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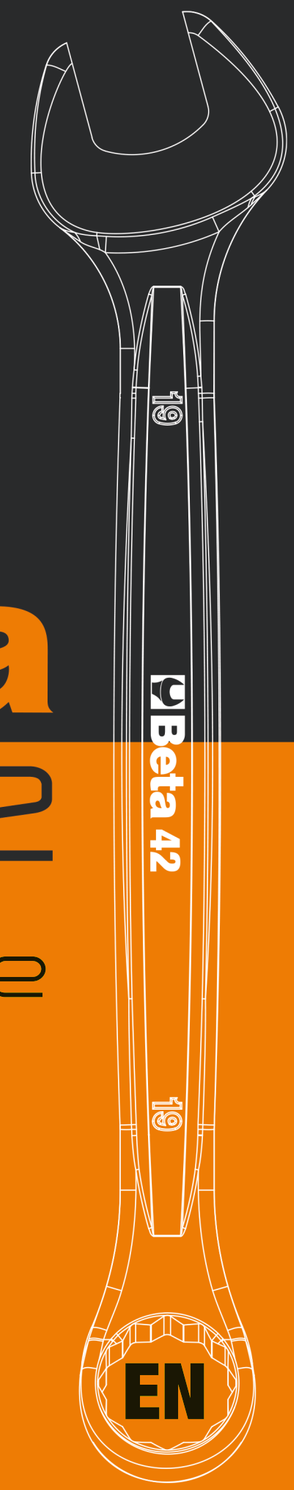
Beta

General Programme 2022

# Beta

# 2022
## General Programme




Beta GROUP

BMC GROUP · Abra Beta · ELPA ABRASIVI · 3D Beta Made in Italy · VDF VERNICIATURA

www.beta-tools.com

8 054809 335223 998068989

1939 1950 1960 1970 1980

# Beta GROUP

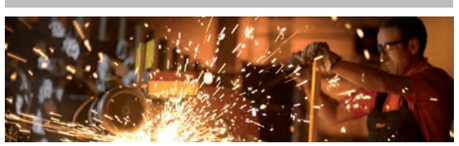
BM GROUP · Abro Beta · ELPA ABRASIVI · 3D Beta Made in Italy · VOF VERNICIATURA

**8** production **units**

**11 Subsidiaries**

Active in more than **100 countries** worldwide with over **250 importers**

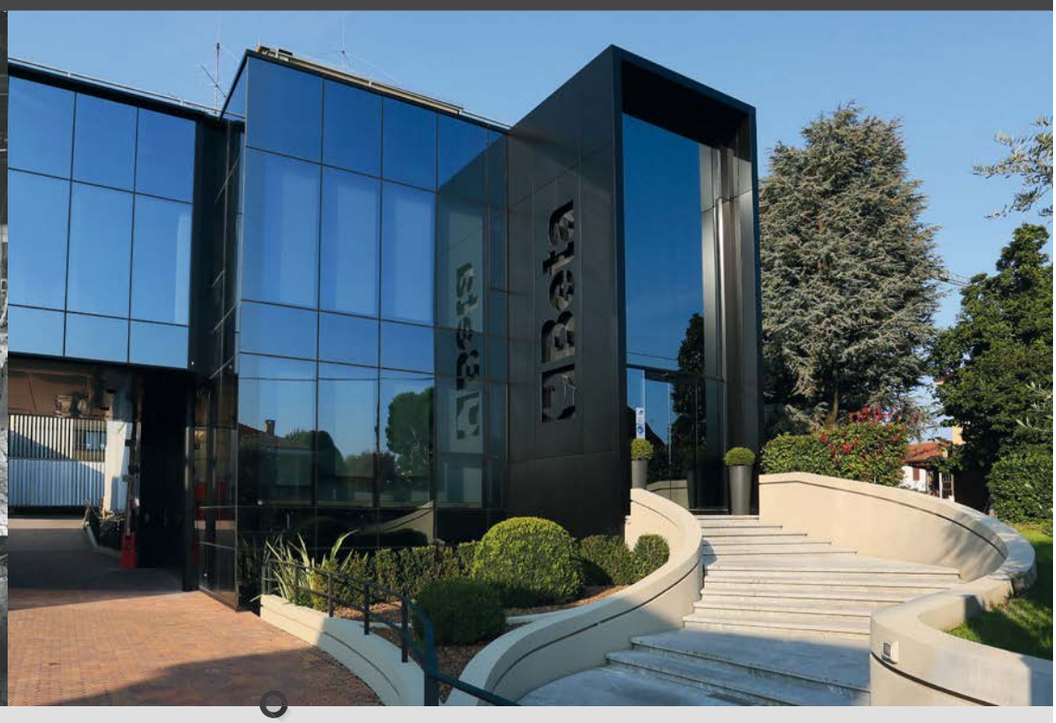
Almost **900** staff



**BETA UTENSILI S.p.A.** - 20845 Sovico (MB)
Via A.Volta, 18 - Tel. 039.2077.1 - Fax 039.2010742
www.beta-tools.com

**Robur Wire rope accessories:**
67039 Sulmona (AQ) Zona industriale - C.da S. Nicola
Tel. 0864.2504.1 - Fax 0864.253132
www.roburitaly.com - info@roburitaly.com

**1939** Forging department



**2021** Sovico headquarters

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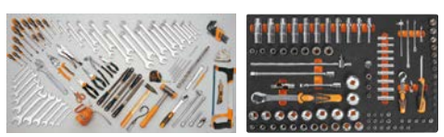

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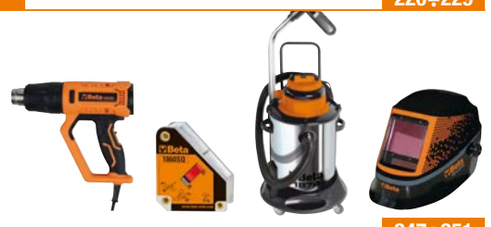
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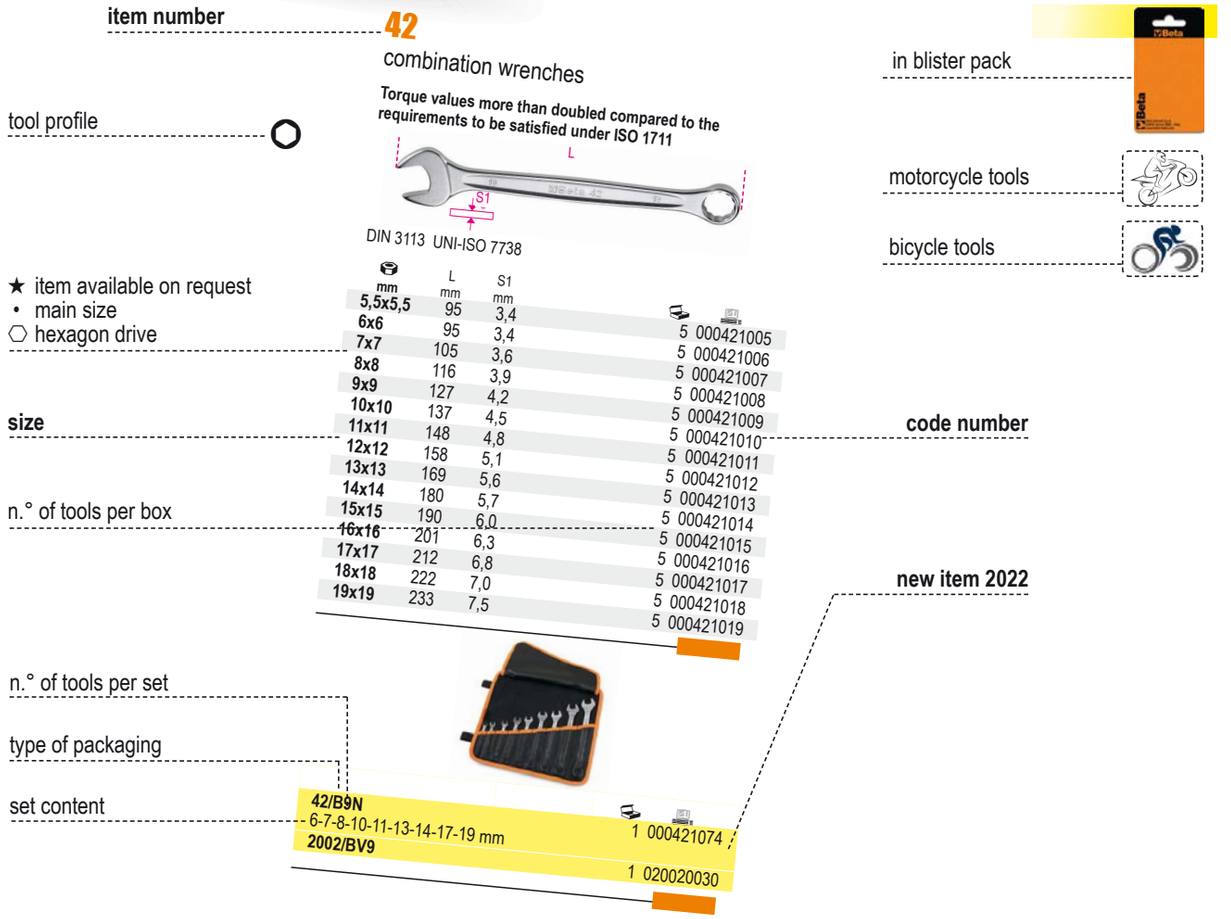
# KEY READING




| mm | L mm | S1 mm | | |
|---|---|---|---|---|
| 5,5x5,5 | 95 | 3,4 | 5 | 000421005 |
| 6x6 | 95 | 3,4 | 5 | 000421006 |
| 7x7 | 105 | 3,6 | 5 | 000421007 |
| 8x8 | 116 | 3,9 | 5 | 000421008 |
| 9x9 | 127 | 4,2 | 5 | 000421009 |
| 10x10 | 137 | 4,5 | 5 | 000421010 |
| 11x11 | 148 | 4,8 | 5 | 000421011 |
| 12x12 | 158 | 5,1 | 5 | 000421012 |
| 13x13 | 169 | 5,6 | 5 | 000421013 |
| 14x14 | 180 | 5,7 | 5 | 000421014 |
| 15x15 | 190 | 6,0 | 5 | 000421015 |
| 16x16 | 201 | 6,3 | 5 | 000421016 |
| 17x17 | 212 | 6,8 | 5 | 000421017 |
| 18x18 | 222 | 7,0 | 5 | 000421018 |
| 19x19 | 233 | 7,5 | 5 | 000421019 |

| 42/B9N 6-7-8-10-11-13-14-17-19 mm | 1 | 000421074 |
|---|---|---|
| 2002/BV9 | 1 | 020020030 |

| Most used symbols | | Example |
|---|---|---|
| | **Sets** | |
| **B** | = in plastic wallet | 42/B9N |
| **BV** | = empty wallet | 2002/BV9 |
| **C** | = in case | 900/C11 |
| **D** | = in hanging pack | 1293/D6 |
| **S** | = in box | 42/S17 |
| **SP** | = with display | 42/SP25 |
| **SPV** | = empty display | 42/SPV7 |
| **SC** | = with compact support | 96/SC9 |
| **SCV** | = compact support, empty | 96/SCV |
| | **Assortments** | |
| **AS** | = with tools in inches | 5915VU/AS |
| **E** | = Electronics/Electrotechnics | 5980ET/A |
| **I** | = Plumbing | 5980ID |
| **MT** | = Earth-moving | 5902MT |
| **U** | = Universal | 5915VU/3 |
| **SBK** | = Motorcycle Repairs | 5940SBK |
| **VG** | = Automotive | 5904VG/5T |
| **VI** | = Industry | 5902VI |
| | **Sockets** | |
| **A** | = hexagon profile | 910A |
| **B** | = bi-hex profile | 910B |
| **ES** | = grooved profile | 920ES |
| **FTX** | = for TORX® screws | 910FTX |

| Most used symbols | | Example |
|---|---|---|
| **PT** | = for 5-star head screws | 910PT |
| **X** | = reversible ratchet in cases | 920A/C12X |
| | **Screwdrivers and bits** | |
| **LP** | = for slotted head screws | 920LP |
| **PE** | = for hexagon screws | 920PE |
| **PH** | = for cross head PHILLIPS® screws | 920PH |
| **PZ** | = for cross head POZIDRIV® - SUPADRIV® screws | 1299PZ |
| **RTX** | = for TAMPER RESISTANT TORX® screws | 1298RTX |
| **SP** | = for SPANNER screws | 861SP |
| **TRW** | = for TRI-WING® screws | 861TRW |
| **TQS** | = for TORQ-SET® screws | 861TQS |
| **TX** | = for TORX® head screws | 920TX |
| **XZN** | = for XZN® screws | 920XZN |
| | **Miscellaneous** | |
| **AS** | = sizes in inches | 42AS |
| **BA** | = spark-proof tools | 42BA |
| **BM** | = bi-material handle | 1150BM |
| **C** | = empty metal container | C25 |
| **HS** | = tethered tools | 42HS |
| **INOX** | = tools made of stainless steel | 42 INOX |
| **L** | = long series | 952L |
| **MQ** | = 1000V insulated tools | 1150MQ |
| **MP** | = bright finish | 42MP |
| **R** | = spare part | 338R |

**The pictures are given by way of example.**
**Beta Utensili reserve the right to update and enhance their product range without notice.**

**Beta RECOMMENDS using the tools correctly and complying with personal protection standards.**

# PIN PUNCHES

Beta's striking tools have been designed to provide optimal performance and ensure the operator's safety.

A special type of steel, which contains chrome, molybdenum and vanadium (65CrMoV2-2) is used for production, resulting in remarkably hard and tough tools. The products are made – if so allowed by their geometry – with drawn bars; otherwise, they are hot-forged in a controlled atmosphere, to avoid slag formation.

**1**
The hexagon profiles prevent the tool from rolling on the supporting surface.

**2**
the pin punches are fitted with extremely long though perfectly straight shanks, to allow access to small spaces.

**3**
To make sure that the pin punches are correctly sized, every single piece is faced, so that a uniform cylindrical part and a perfectly flat end can be obtained, for increased efficacy.

**4**
All the faces are subjected to induction tempering, to prevent splintering; the deformation of the striking point is a natural consequence, so that the operator's safety can be ensured.

**5**

The centre and pin punches are sharpened after being chrome-plated, to provide improved engraving and cutting performance, and remove the galvanic deposit from the tips. Overdeposits need to be removed, to prevent "rounding" of the corners and brittleness as a result of the amount of hydrogen produced during electroplating. The worked areas are protected with a rust-proof layer.

## 30
drift punches

| Ø mm | L mm | | |
|---|---|---|---|
| 2 | 125 | 10 | 000300020 |
| 3 | 125 | 10 | 000300030 |
| 4 | 150 | 10 | 000300040 |
| 5 | 150 | 10 | 000300050 |
| 6 | 150 | 10 | 000300060 |

## 31
pin punches

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 2 | 110 | 22 | 10 | 000310002 |
| 3 | 128 | 35 | 10 | 000310003 |
| 4 | 146 | 45 | 10 | 000310004 |
| 5 | 164 | 55 | 10 | 000310005 |
| 6 | 182 | 65 | 5 | 000310006 |
| 8 | 200 | 80 | 5 | 000310008 |
| 10 | 220 | 95 | 5 | 000310010 |

31/B6N

31/SP6

| | | |
|---|---|---|
| **31/B6N**<br>2-3-4-5-6-8 mm | 1 | 000310024 |
| **2002/BV6** | 1 | 020020000 |
| **31/SP6**<br>2-3-4-5-6-8 mm | 1 | 000310030 |
| **31/SPV** | 1 | 000310031 |

## 31BM
pin punches with handles

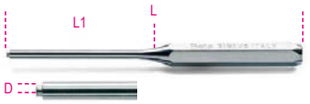
| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 2 | 168 | 42 | 2 | 000310402 |
| 3 | 180 | 52 | 2 | 000310403 |
| 4 | 191 | 62 | 2 | 000310404 |
| 5 | 200 | 72 | 2 | 000310405 |
| 6 | 221 | 82 | 2 | 000310406 |
| 8 | 235 | 94 | 2 | 000310408 |

| | | |
|---|---|---|
| **31BM/D6**<br>2-3-4-5-6-8 mm | 1 | 000310420 |

## 31L
pin punches, long series

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 4 | 175 | 80 | 5 | 000310104 |
| 5 | 175 | 80 | 5 | 000310105 |
| 6 | 175 | 80 | 5 | 000310106 |

## 31SE
punches for spring pins




| Ø mm | D mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 4 | 2,4 | 175 | 80 | 5 | 000310204 |
| 5 | 3,0 | 175 | 80 | 5 | 000310205 |
| 6 | 3,6 | 175 | 80 | 5 | 000310206 |

| | | |
|---|---|---|
| **31/B6N-LSE** | 1 | 000310324 |
| **31L:** 4-5-6 mm | | |
| **31SE:** 4-5-6 mm | | |
| **2002/BV6** | 1 | 020020000 |

## 32
centre punches

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 3 | 100 | 44 | 10 | 000320100 |
| 4 | 125 | 52 | 10 | 000320125 |
| 5 | 150 | 62 | 10 | 000320150 |

## 32AU
automatic centre punches

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 3 | 150 | 23 | 2 | 000320160 |

## 32AUR
spare tip for automatic centre punch

| Ø mm | | |
|---|---|---|
| 3 | 5 | 000320170 |

## 34
flat chisels

| L mm | A mm | L1 mm | | |
|---|---|---|---|---|
| 125 | 14,5 | 45 | 5 | 000340001 |
| 150 | 17,0 | 58 | 5 | 000340002 |
| 175 | 21,5 | 68 | 5 | 000340003 |

## 35
flat chisels, ribbed type

| L mm | A mm | | |
|---|---|---|---|
| 100 | 14,5 | 5 | 000350001 |
| 125 | 17,0 | 5 | 000350002 |
| 150 | 20,5 | 5 | 000350003 |
| 200 | 23,0 | 5 | 000350004 |
| 250 | 28,5 | 2 | 000350005 |
| 300 | 34,0 | 2 | 000350006 |

## 35PM
flat chisels, ribbed type
with hand guards

| L mm | A mm | | |
|---|---|---|---|
| 200 | 23,0 | 2 | 000350014 |
| 250 | 28,5 | 2 | 000350015 |
| 300 | 34,0 | 2 | 000350016 |

## 35PMR
spare hand guards

| L mm | | |
|---|---|---|
| 200 | 1 | 000350024 |
| 250 | 1 | 000350025 |
| 300 | 1 | 000350026 |

## 36
cape chisels

| L mm | A mm | L1 mm | | |
|---|---|---|---|---|
| 125 | 4 | 44 | 5 | 000360001 |
| 150 | 6 | 53 | 5 | 000360002 |

## 37
cape chisels, ribbed type

| L mm | A mm | L1 mm | | |
|---|---|---|---|---|
| 150 | 6 | 45 | 5 | 000370001 |
| 200 | 8 | 55 | 3 | 000370002 |

## 37PM
cape chisel, ribbed type
with hand guard

| L mm | A mm | | |
|---|---|---|---|
| 200 | 8 | 2 | 000370012 |

## 37PMR
spare hand guard

| L mm | | |
|---|---|---|
| 200 | 1 | 000370022 |

38/B6N

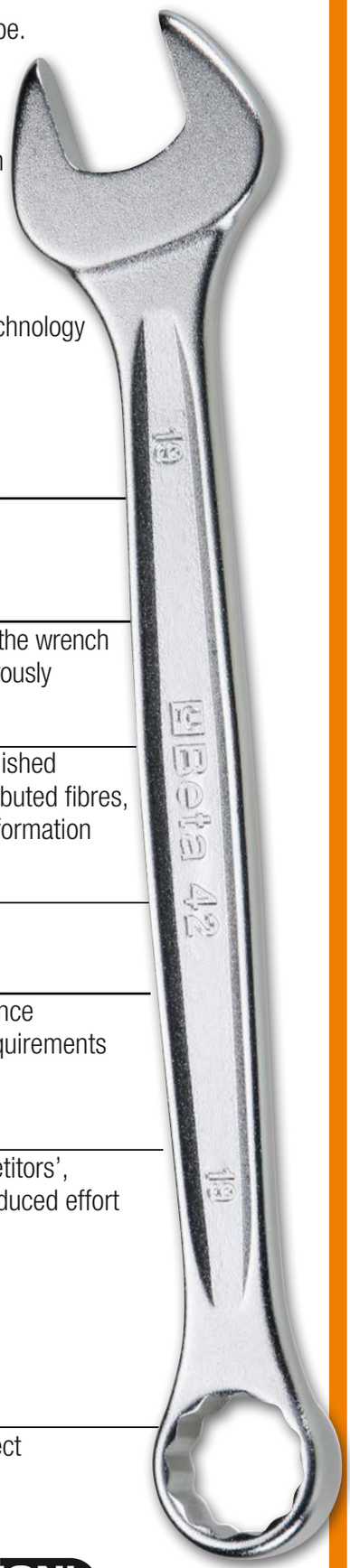
38/SP6

| | | |
|---|---|---|
| **38/B6N** | 1 | 000380016 |
| **30:** 2-3 mm | | |
| **32:** 4 mm | | |
| **34:** 125-150 mm | | |
| **36:** 150 mm | | |
| **2002/BV6** | 1 | 020020000 |
| **38/SP6** | 1 | 000380009 |
| **30:** 2-3 mm | | |
| **32:** 4 mm | | |
| **34:** 125-150 mm | | |
| **36:** 150 mm | | |
| **38/SPV** | 1 | 000380019 |

# A NEW SHAPE

Our epoch-making wrench 42 has a new shape.

A stylish, slim shape enhanced by a slender profile, lighter to the touch.
The strength, resilience and ergonomic design of the Beta wrench reach even higher values, to provide users with the best possible tool.
The manufacturing process is carried out in our factories in Sovico and Sulmona, on the basis of state-of-the-art automation technology and the best trained workers.




## RAPID

A 15 degree angle compared to the axis, to reduce the take-up angle

## RESILIENT

Remarkable strength: in case of improper use, the wrench buckles, without breaking suddenly and dangerously

## HOMOGENEUS

Pressing is based on a round-section semi-finished product which results in homogeneously distributed fibres, thereby preventing dangerous internal stress formation

## ACCESSIBLE

Reduced thickness for improved accessibility

## PROTECTED

Nickel-chrome plating provides lasting resistance to external agents and meets the stringent requirements of adhesion tests under ISO 2819

## OPTIMIZED

The wrench, which is longer than most competitors', allows high torques to be obtained through reduced effort

## ERGONOMIC

The offset ring has a 15 degree angle to protect the hand. The shape is obtained from a die; it is not bent later

**CAUTION!**
The new shape of wrench 42 is perfectly compatible with all the containers and trays of our epoch-making wrench 42

## 42

combination wrenches

**Torque values more than doubled compared to the requirements to be satisfied under ISO 1711**

DIN 3113 UNI-ISO 7738

| mm | L mm | S1 mm | | |
|---|---|---|---|---|
| **5,5x5,5** | 95 | 3,4 | 5 | 000421005 |
| **6x6** | 95 | 3,4 | 5 | 000421006 |
| **7x7** | 105 | 3,6 | 5 | 000421007 |
| **8x8** | 116 | 3,9 | 5 | 000421008 |
| **9x9** | 127 | 4,2 | 5 | 000421009 |
| **10x10** | 137 | 4,5 | 5 | 000421010 |
| **11x11** | 148 | 4,8 | 5 | 000421011 |
| **12x12** | 158 | 5,1 | 5 | 000421012 |
| **13x13** | 169 | 5,6 | 5 | 000421013 |
| **14x14** | 180 | 5,7 | 5 | 000421014 |
| **15x15** | 190 | 6,0 | 5 | 000421015 |
| **16x16** | 201 | 6,3 | 5 | 000421016 |
| **17x17** | 212 | 6,8 | 5 | 000421017 |
| **18x18** | 222 | 7,0 | 5 | 000421018 |
| **19x19** | 233 | 7,5 | 5 | 000421019 |
| **20x20** | 243 | 7,7 | 3 | 000421020 |
| **21x21** | 254 | 7,9 | 3 | 000421021 |
| **22x22** | 264 | 8,3 | 3 | 000421022 |
| **23x23** | 275 | 8,5 | 3 | 000421023 |
| **24x24** | 285 | 8,7 | 3 | 000421024 |
| **25x25** | 296 | 8,7 | 2 | 000421025 |
| **26x26** | 307 | 8,9 | 2 | 000421026 |
| **27x27** | 317 | 9,1 | 2 | 000421027 |
| **28x28** | 328 | 9,3 | 2 | 000421028 |
| **29x29** | 338 | 9,5 | 2 | 000421029 |
| **30x30** | 349 | 9,7 | 2 | 000421030 |
| **32x32** | 370 | 10,1 | 2 | 000421032 |
| **34x34** | 391 | 10,5 | 1 | 000421034 |
| **35x35** | 412 | 10,7 | 1 | 000421035 |
| **36x36** | 412 | 10,7 | 1 | 000421036 |
| **38x38** | 433 | 11,3 | 1 | 000421038 |
| **41x41** | 465 | 12,0 | 1 | 000421041 |

| | | |
|---|---|---|
| **42/B9N**<br>6-7-8-10-11-13-14-17-19 mm | 1 | 000421074 |
| **2002/BV9** | 1 | 020020030 |

| | | |
|---|---|---|
| **42/S14**<br>6-7-8-10-11-12-13-14<br>-15-16-17-19-22-24 mm | 1 | 000421067 |
| **42/S17**<br>6-7-8-9-10-11-12-13-14-15<br>16-17-18-19-20-21-22 mm | 1 | 000421065 |
| **42/S15**<br>6-7-8-10-11-12-13-14<br>17-19-22-24-27-30-32 mm | 1 | 000421066 |
| **42/S17X**<br>6-7-8-10-11-12-13-14-<br>15-16-17-19-21-22-<br>24-27-30 mm | 1 | 000421068 |
| **42/S26**<br>6-7-8-9-10-11-12-13-14<br>15-16-17-18-19-20-21<br>22-23-24-25-26-27-28<br>29-30-32 mm | 1 | 000421070 |

set of 9 combination wrenches with compact support

**Torque values more than doubled compared to the requirements to be satisfied under ISO 1711**

| | | |
|---|---|---|
| **42/SC9I**<br>8-10-11-12-13-14-15-17-19 mm | 1 | 000421087 |
| **142/SCV9I** | 1 | 001420103 |
| **42/SC9E**<br>8-10-11-12-13-16-17-18-19 mm | 1 | 000421088 |
| **142/SCV9E** | 1 | 001420104 |

| | | |
|---|---|---|
| **42/SP25**<br>6-7-8-9-10-11-12-13-14<br>15-16-17-18-19-20-21<br>22-23-24-25-26-27-28<br>30-32 mm | 1 | 000421085 |
| **42/SPV2** | 1 | 000420090 |

**42/SP15**

**42/SPV...**

| | | |
|---|---|---|
| **42/SP15**<br>6-7-8-9-10-11-12-13-14-15<br>16-17-19-22-24 mm | 1 | 000421078 |
| **42/SPV7**<br>**42:** 8-10-11-13-14-17-19 mm<br>**55:** 6x7-8x9-10x11-12x13<br>14x15-16x17-18x19 mm | 1 | 000420097 |
| **42/SPV11**<br>**42MP:** 8-9-10-11-12-13<br>14-15-16-17-19 mm<br>**142-142SN:** 8-9-10-11-12-13<br>14-15-16-17-19 mm | 1 | 000420100 |
| **42/SPV15**<br>**42:** 6-7-8-9-10-11-12-13-14<br>15-16-17-19-22-24 mm | 1 | 000420102 |

# 42AS

combination wrenches, open and offset ring ends

| " | L mm | | |
|---|---|---|---|
| **1/4x1/4** | 95 | 2 | 000420106 |
| **9/32X9/32** | 106 | 2 | 000420107 |
| **5/16x5/16** | 116 | 2 | 000420108 |
| **3/8x3/8** | 137 | 2 | 000420110 |
| **7/16x7/16** | 148 | 2 | 000420111 |
| **1/2x1/2** | 169 | 2 | 000420113 |
| **9/16x9/16** | 180 | 2 | 000420114 |
| **19/32X19/32** | 191 | 2 | 000420115 |
| **5/8x5/8** | 201 | 2 | 000420116 |
| **11/16x11/16** | 212 | 2 | 000420117 |
| **3/4x3/4** | 233 | 2 | 000420119 |
| **13/16x13/16** | 254 | 2 | 000420121 |
| **7/8x7/8** | 264 | 2 | 000420122 |
| **15/16x15/16** | 285 | 2 | 000420124 |
| **1x1** | 296 | 2 | 000420125 |
| **1.1/16x1.1/16** | 317 | 2 | 000420127 |
| **1.1/8x1.1/8** | 338 | 2 | 000420129 |
| **1.1/4x1.1/4** | 370 | 2 | 000420132 |
| **1.5/16x1.5/16** | 391 | 1 | 000420133 |
| **1.3/8x1.3/8** | 412 | 1 | 000420135 |
| **1.7/16x1.7/16** | 412 | 1 | 000420136 |
| **1.1/2x1.1/2** | 433 | 1 | 000420138 |

| | | |
|---|---|---|
| **42AS/B9N**<br>1/4-5/16-3/8-7/16-1/2<br>9/16-5/8-11/16-3/4 | 1 | 000420159 |
| **2002/BV9** | 1 | 020020030 |

| | | |
|---|---|---|
| **42AS/13**<br>1/4-5/16-3/8-7/16-1/2-9/16-5/8<br>11/16-3/4-13/16-7/8-15/16-1 | 1 | 000420163 |
| **42AS/16**<br>1/4-5/16-3/8-7/16-1/2-9/16-5/8<br>11/16-3/4-13/16-7/8-15/16-1-<br>1.1/16-1.1/8-1.1/4 | 1 | 000420166 |
| **42AS/17**<br>1/4-9/32-5/16-3/8-7/16-1/2-<br>9/16-19/32-5/8-11/16-3/4-<br>13/16-7/8-15/16-1-1.1/16-1.1/8 | 1 | 000420168 |

# 42MP

combination wrenches, open and offset ring ends, bright chrome-plated

DIN 3113 UNI-ISO 7738

| mm | L mm | | |
|---|---|---|---|
| **6x6** | 95 | 5 | 000420606 |
| **7x7** | 105 | 5 | 000420607 |
| **8x8** | 116 | 5 | 000420608 |
| **9x9** | 127 | 5 | 000420609 |
| **10x10** | 137 | 5 | 000420610 |
| **11x11** | 148 | 5 | 000420611 |
| **12x12** | 158 | 5 | 000420612 |
| **13x13** | 169 | 5 | 000420613 |
| **14x14** | 180 | 5 | 000420614 |
| **15x15** | 190 | 5 | 000420615 |
| **16x16** | 201 | 5 | 000420616 |
| **17x17** | 212 | 5 | 000420617 |
| **18x18** | 222 | 5 | 000420618 |
| **19x19** | 233 | 5 | 000420619 |
| **20x20** | 243 | 3 | 000420620 |
| **21x21** | 254 | 3 | 000420621 |
| **22x22** | 264 | 3 | 000420622 |
| **24x24** | 285 | 3 | 000420624 |
| **27x27** | 317 | 3 | 000420627 |
| **30x30** | 349 | 3 | 000420630 |
| **32x32** | 370 | 3 | 000420632 |

| | | |
|---|---|---|
| **42MP/B9N**<br>6-7-8-10-11-13-14-17-19 mm | 1 | 000420661 |
| **2002/BV9** | 1 | 020020030 |

| | | |
|---|---|---|
| **42MP/S17**<br>6-7-8-9-10-11-12-13-14-15<br>16-17-18-19-20-21-22 mm | 1 | 000420652 |
| **42MP/S21**<br>6-7-8-9-10-11-12-13-14<br>15-16-17-18-19-20-21-22<br>24-27-30-32 mm | 1 | 000420653 |

## 42LMP

combination wrenches, open and offset ring ends, long series, bright chrome-plated

| mm | L mm | | |
|---|---|---|---|
| **8x8** | 148 | 2 | 000420508 |
| **9x9** | 167 | 2 | 000420509 |
| **10x10** | 172 | 2 | 000420510 |
| **11x11** | 186 | 2 | 000420511 |
| **12x12** | 197 | 2 | 000420512 |
| **13x13** | 207 | 2 | 000420513 |
| **14x14** | 223 | 2 | 000420514 |
| **15x15** | 233 | 2 | 000420515 |
| **16x16** | 243 | 2 | 000420516 |
| **17x17** | 261 | 2 | 000420517 |
| **18x18** | 270 | 2 | 000420518 |
| **19x19** | 280 | 2 | 000420519 |
| **21x21** | 301 | 2 | 000420521 |
| **22x22** | 318 | 2 | 000420522 |
| **24x24** | 338 | 2 | 000420524 |
| **27x27** | 376 | 2 | 000420527 |
| **30x30** | 409 | 2 | 000420530 |
| **32x32** | 435 | 2 | 000420532 |

| | | |
|---|---|---|
| **42LMP/S14**<br>8-9-10-11-12-13-14<br>15-16-17-18-19-21-22 mm | 1 | 000420551 |
| **42LMP/S18**<br>8-9-10-11-12-13-14<br>15-16-17-18-19-21-22<br>24-27-30-32 mm | 1 | 000420552 |

## 42SLIM

combination wrenches with thin open ends

DIN 3113 UNI-ISO 7738

| mm | L mm | S1 mm | | |
|---|---|---|---|---|
| **8x8** | 116 | 3,4 | 5 | 000420408 |
| **10x10** | 137 | 3,8 | 5 | 000420410 |
| **11x11** | 148 | 3,8 | 5 | 000420411 |
| **12x12** | 158 | 4,2 | 5 | 000420412 |
| **13x13** | 169 | 4,4 | 5 | 000420413 |
| **14x14** | 180 | 4,6 | 5 | 000420414 |
| **15x15** | 190 | 4,7 | 5 | 000420415 |
| **16x16** | 201 | 4,7 | 5 | 000420416 |
| **17x17** | 212 | 5,1 | 5 | 000420417 |
| **18x18** | 222 | 5,1 | 5 | 000420418 |
| **19x19** | 233 | 5,6 | 5 | 000420419 |

| | | |
|---|---|---|
| **42SLIM/B8NI**<br>10-11-12-13-14-15-17-19 mm | 1 | 000420478 |
| **42SLIM/B8NE**<br>10-11-12-13-16-17-18-19 mm | 1 | 000420479 |
| **2002/BV8** | 1 | 020020020 |

| | | |
|---|---|---|
| **42SLIM/S11**<br>8-10-11-12-13-14-15-<br>16-17-18-19 mm | 1 | 000420471 |

## 45

combination wrenches, open and offset ring ends, heavy series

DIN 3113 UNI-ISO 7738

| mm | L mm | | |
|---|---|---|---|
| **46x46** | 500 | 1 | 000450046 |
| **50x50** | 540 | 1 | 000450050 |
| **55x55** | 560 | 1 | 000450055 |
| **60x60** | 600 | 1 | 000450060 |
| **65x65** | 675 | 1 | 000450065 |
| **70x70** | 675 | 1 | 000450070 |
| **75x75** | 720 | 1 | 000450075 |
| **80x80** | 720 | 1 | 000450080 |

## 52

single open end wrenches

UNI 6733 DIN 3114

| mm | L mm | | |
|---|---|---|---|
| **10** | 119 | 5 | 000520010 |
| **11** | 119 | 5 | 000520011 |
| **12** | 119 | 5 | 000520012 |
| **13** | 145 | 5 | 000520013 |
| **14** | 145 | 5 | 000520014 |
| **15** | 145 | 5 | 000520015 |
| **16** | 159 | 5 | 000520016 |
| **17** | 159 | 5 | 000520017 |
| **18** | 159 | 5 | 000520018 |
| **19** | 175 | 5 | 000520019 |
| **20** | 175 | 5 | 000520020 |
| **21** | 175 | 5 | 000520021 |
| **22** | 196 | 2 | 000520022 |
| **23** | 196 | 2 | 000520023 |
| **24** | 196 | 2 | 000520024 |
| **25** | 215 | 2 | 000520025 |
| **26** | 215 | 2 | 000520026 |
| **27** | 215 | 2 | 000520027 |
| **28** | 240 | 2 | 000520028 |
| **30** | 240 | 2 | 000520030 |
| **32** | 270 | 2 | 000520032 |
| **34** | 270 | 1 | 000520034 |
| **35** | 295 | 1 | 000520035 |
| **36** | 295 | 1 | 000520036 |
| **38** | 295 | 1 | 000520038 |
| **40** | 335 | 1 | 000520040 |
| **41** | 335 | 1 | 000520041 |
| **42** | 335 | 1 | 000520042 |
| **45** | 370 | 1 | 000520045 |
| **46** | 370 | 1 | 000520046 |
| **48** | 370 | 1 | 000520048 |
| **50** | 415 | 1 | 000520050 |
| **52** | 415 | 1 | 000520052 |
| **55** | 415 | 1 | 000520055 |
| **60** | 490 | 1 | 000520060 |
| **65** | 490 | 1 | 000520065 |
| **70** | 490 | 1 | 000520070 |

## 53

single open end wrenches DIN 894

| mm | L mm | | |
|---|---|---|---|
| **36** | 317 | 1 | 000530036 |
| **38** | 320 | 1 | 000530038 |
| **41** | 342 | 1 | 000530041 |
| **46** | 396 | 1 | 000530046 |
| **50** | 412 | 1 | 000530050 |
| **55** | 457 | 1 | 000530055 |
| **60** | 492 | 1 | 000530060 |
| **65** | 528 | 1 | 000530065 |
| **70** | 572 | 1 | 000530070 |
| **75** | 608 | 1 | 000530075 |
| **80** | 645 | 1 | 000530080 |
| **85** | 690 | 1 | 000530085 |
| **90** | 690 | 1 | 000530090 |
| **95** | 847 | 1 | 000530095 |
| **100** | 847 | 1 | 000530100 |
| **105** | 1000 | 1 | 000530105 |
| **110** | 1000 | 1 | 000530110 |
| **115** | 1000 | 1 | 000530115 |
| **120** | 1000 | 1 | 000530120 |
| **125** | 1000 | 1 | 000530125 |
| **130** | 1000 | 1 | 000530130 |
| **135** | 1000 | 1 | 000530135 |

## 55

double open end wrenches

UNI-ISO 10102 DIN 3110

| mm | L mm | | |
|---|---|---|---|
| **4x5** | 101 | 5 | 000550003 |
| **5x5,5** | 101 | 5 | 000550006 |
| **5,5x7** | 120 | 5 | 000550009 |
| • **6x7** | 120 | 5 | 000550012 |
| **7x8** | 140 | 5 | 000550018 |
| • **8x9** | 140 | 5 | 000550021 |
| **8x10** | 140 | 5 | 000550024 |
| • **10x11** | 155 | 5 | 000550030 |
| **10x12** | 155 | 5 | 000550033 |
| **10x13** | 170 | 5 | 000550035 |
| • **12x13** | 170 | 5 | 000550042 |
| **12x14** | 170 | 5 | 000550045 |
| **13x14** | 185 | 5 | 000550047 |
| **13x17** | 189 | 5 | 000550051 |
| • **14x15** | 185 | 5 | 000550054 |
| **14x17** | 189 | 5 | 000550057 |
| • **16x17** | 202 | 5 | 000550060 |
| **17x19** | 220 | 2 | 000550063 |
| • **18x19** | 220 | 2 | 000550066 |
| **19x22** | 236 | 2 | 000550069 |
| • **20x22** | 236 | 2 | 000550075 |
| • **21x23** | 245 | 2 | 000550078 |
| **22x24** | 245 | 2 | 000550081 |
| • **24x26** | 262 | 2 | 000550087 |
| **24x27** | 262 | 2 | 000550090 |
| • **25x28** | 272 | 2 | 000550096 |
| • **27x29** | 284 | 2 | 000550099 |
| **27x30** | 284 | 2 | 000550102 |
| **27x32** | 297 | 2 | 000550105 |
| • **30x32** | 297 | 2 | 000550108 |
| **32x36** | 325 | 1 | 000550114 |
| **34x36** | 325 | 1 | 000550117 |
| **35x38** | 375 | 1 | 000550120 |
| **36x41** | 375 | 1 | 000550123 |
| **41x46** | 425 | 1 | 000550129 |
| **46x50** | 475 | 1 | 000550132 |
| **50x55** | 500 | 1 | 000550135 |
| **55x60** | 500 | 1 | 000550138 |

| | | |
|---|---|---|
| **55/B8N**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22 mm | 1 | 000550160 |
| **2002/BV8** | 1 | 020020020 |
| **55/B12N**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22-21x23-24x26<br>25x28-30x32 mm | 1 | 000550164 |
| **2002/BV12** | 1 | 020020040 |

| | | |
|---|---|---|
| **55/S8**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22 mm | 1 | 000550174 |
| **55/S12**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22-21x23-24x26<br>25x28-30x32 mm | 1 | 000550178 |
| **55/S12X**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22-21x23-24x27<br>25x28-30x32 mm | 1 | 000550179 |
| **55/S13**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22-21x23-24x26<br>25x28-27x29-30x32 mm | 1 | 000550182 |

**55/SP7**

**55/SP13**

| | | |
|---|---|---|
| **55/SP7**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19 mm | 1 | 000550167 |
| **42/SPV7**<br>**42:** 8-10-11-13-14-17-19 mm<br>**55:** 6x7-8x9-10x11-12x13<br>14x15-16x17-18x19 mm | 1 | 000420097 |
| **55/SP13**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22-21x23-24x26<br>25x28-27x29-30x32 mm | 1 | 000550186 |
| **55/SPV** | 1 | 000550190 |

## 55AS

double open end wrenches

| " | L mm | | |
|---|---|---|---|
| **1/4x9/32** | 120 | 2 | 000550203 |
| **1/4x5/16** | 120 | 2 | 000550206 |
| **5/16x11/32** | 140 | 2 | 000550209 |
| **5/16x3/8** | 140 | 2 | 000550212 |
| **3/8x7/16** | 155 | 2 | 000550215 |
| **7/16x1/2** | 170 | 2 | 000550218 |
| **1/2x9/16** | 170 | 2 | 000550221 |
| **9/16x5/8** | 185 | 2 | 000550224 |
| **19/32x11/16** | 189 | 2 | 000550227 |
| **5/8x11/16** | 202 | 2 | 000550230 |
| **5/8x3/4** | 202 | 2 | 000550233 |
| **11/16x13/16** | 220 | 2 | 000550242 |
| **3/4x7/8** | 236 | 2 | 000550245 |
| **25/32x13/16** | 236 | 2 | 000550244 |
| **7/8x15/16** | 245 | 2 | 000550251 |
| **15/16x1** | 262 | 1 | 000550257 |
| **1x1.1/8** | 272 | 1 | 000550259 |
| **1.1/16x1.1/4** | 284 | 1 | 000550267 |
| **1.1/8x1.5/16** | 297 | 1 | 000550266 |
| **1.5/16x1.1/2** | 325 | 1 | 000550269 |
| **1.3/8x1.1/2** | 375 | 1 | 000550272 |
| **1.7/16x1.5/8** | 375 | 1 | 000550275 |

| | | |
|---|---|---|
| **55AS/5**<br>5/16x11/32-3/8x7/16<br>1/2x9/16-5/8x11/16<br>3/4x7/8 | 1 | 000550290 |
| **55AS/8**<br>1/4x9/32-5/16x11/32-3/8x7/16-<br>1/2x9/16-9/16x5/8-5/8x11/16-<br>11/16x13/16-3/4x7/8 | 1 | 000550296 |
| **55AS/12**<br>1/4x9/32-5/16x11/32-3/8x7/16-1<br>/2x9/16-9/16x5/8-5/8x11/16-<br>11/16x13/16-25/32x13/16-3/4x7/8-<br>15/16x1-1x1.1/8-1.1/16x1.1/4 | 1 | 000550298 |

## 55MP

double open end wrenches,
bright chrome-plated

UNI-ISO 10102 DIN 3110

| mm | L mm | | |
|---|---|---|---|
| **6x7** | 120 | 2 | 000550603 |
| **8x9** | 140 | 2 | 000550606 |
| **10x11** | 155 | 2 | 000550609 |
| **12x13** | 170 | 2 | 000550612 |
| **14x15** | 185 | 2 | 000550615 |
| **16x17** | 202 | 2 | 000550618 |
| **18x19** | 220 | 2 | 000550621 |
| **20x22** | 236 | 2 | 000550624 |
| **21x23** | 245 | 2 | 000550627 |
| **24x26** | 262 | 1 | 000550630 |
| **25x28** | 272 | 1 | 000550633 |
| **27x29** | 284 | 1 | 000550636 |
| **30x32** | 297 | 1 | 000550639 |

| | | |
|---|---|---|
| **55MP/S8**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22 mm | 1 | 000550650 |
| **55MP/S13**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22-21x23-24x26<br>25x28-27x29-30x32 mm | 1 | 000550651 |
| **55MP/S12**<br>6x7-8x9-10x11-12x13-14x15-<br>16x17-18x19-20x22-21x23-24x26-<br>25x28-30x32 mm | 1 | 000550653 |

## 58

open end slogging wrenches

DIN 133

| mm | L mm | | |
|---|---|---|---|
| **24** | 177 | 1 | 000580024 |
| **27** | 180 | 1 | 000580027 |
| **30** | 190 | 1 | 000580030 |
| **32** | 190 | 1 | 000580032 |
| **34** | 200 | 1 | 000580034 |
| **36** | 215 | 1 | 000580036 |
| **41** | 235 | 1 | 000580041 |
| **46** | 255 | 1 | 000580046 |
| **50** | 275 | 1 | 000580050 |
| **55** | 300 | 1 | 000580055 |
| **60** | 320 | 1 | 000580060 |
| **65** | 342 | 1 | 000580065 |
| **70** | 375 | 1 | 000580070 |
| **75** | 375 | 1 | 000580075 |
| **80** | 408 | 1 | 000580080 |
| **85** | 408 | 1 | 000580085 |
| **90** | 445 | 1 | 000580090 |
| **95** | 445 | 1 | 000580095 |
| **100** | 485 | 1 | 000580100 |
| **105** | 485 | 1 | 000580105 |
| **110** | 510 | 1 | 000580110 |
| **115** | 510 | 1 | 000580115 |
| **120** | 545 | 1 | 000580120 |
| **125** | 545 | 1 | 000580125 |
| **130** | 575 | 1 | 000580130 |
| **135** | 575 | 1 | 000580135 |
| **★140** | 575 | 1 | 000580140 |
| **★145** | 640 | 1 | 000580145 |
| **★150** | 640 | 1 | 000580150 |
| **★155** | 640 | 1 | 000580155 |
| **★160** | 640 | 1 | 000580160 |
| **★165** | 715 | 1 | 000580165 |
| **★170** | 715 | 1 | 000580170 |
| **★175** | 715 | 1 | 000580175 |
| **★180** | 715 | 1 | 000580180 |
| **★185** | 715 | 1 | 000580185 |
| **★190** | 800 | 1 | 000580190 |
| **★195** | 800 | 1 | 000580195 |
| **★200** | 800 | 1 | 000580200 |
| **★210** | 800 | 1 | 000580210 |
| **★220** | 800 | 1 | 000580220 |
| **★230** | 800 | 1 | 000580230 |

# 73
small double open end wrenches

UNI 6737

| mm | L mm | | |
|---|---|---|---|
| 4x4 | 78 | 5 | 000730040 |
| 4,5x4,5 | 78 | 5 | 000730045 |
| 5x5 | 78 | 5 | 000730050 |
| 5,5x5,5 | 86 | 5 | 000730055 |
| 6x6 | 86 | 5 | 000730060 |
| 7x7 | 86 | 5 | 000730070 |
| 8x8 | 97 | 5 | 000730080 |
| 9x9 | 97 | 5 | 000730090 |
| 10x10 | 108 | 5 | 000730100 |
| 11x11 | 108 | 5 | 000730110 |
| 12x12 | 124 | 5 | 000730120 |
| 13x13 | 124 | 5 | 000730130 |
| 14x14 | 124 | 5 | 000730140 |

| | | |
|---|---|---|
| **73/B13N**<br>4-4,5-5-5,5-6-7-8-9<br>10-11-12-13-14 mm | 1 | 000730202 |
| **2002 BV13** | 1 | 020020050 |

| | | |
|---|---|---|
| **73/S13**<br>4-4,5-5-5,5-6-7-8-9<br>10-11-12-13-14 mm | 1 | 000730210 |

# 78
ring slogging wrenches

DIN 7444

| mm | L mm | | |
|---|---|---|---|
| 24 | 162 | 1 | 000780024 |
| 27 | 180 | 1 | 000780027 |
| 30 | 190 | 1 | 000780030 |
| 32 | 190 | 1 | 000780032 |
| 34 | 200 | 1 | 000780034 |
| 36 | 205 | 1 | 000780036 |
| 41 | 225 | 1 | 000780041 |
| 46 | 235 | 1 | 000780046 |
| 50 | 250 | 1 | 000780050 |
| 55 | 265 | 1 | 000780055 |
| 60 | 275 | 1 | 000780060 |
| 65 | 295 | 1 | 000780065 |
| 70 | 325 | 1 | 000780070 |
| 75 | 325 | 1 | 000780075 |
| 80 | 350 | 1 | 000780080 |
| 85 | 350 | 1 | 000780085 |
| 90 | 390 | 1 | 000780090 |
| 95 | 390 | 1 | 000780095 |
| 100 | 420 | 1 | 000780100 |
| 105 | 420 | 1 | 000780105 |
| 110 | 450 | 1 | 000780110 |
| 115 | 450 | 1 | 000780115 |
| 120 | 490 | 1 | 000780120 |
| 125 | 480 | 1 | 000780125 |
| 130 | 520 | 1 | 000780130 |
| 135 | 520 | 1 | 000780135 |
| ★140 | 520 | 1 | 000780140 |
| ★145 | 580 | 1 | 000780145 |
| ★150 | 580 | 1 | 000780150 |
| ★155 | 580 | 1 | 000780155 |
| ★160 | 650 | 1 | 000780160 |
| ★165 | 650 | 1 | 000780165 |
| ★170 | 650 | 1 | 000780170 |
| ★175 | 650 | 1 | 000780175 |
| ★180 | 650 | 1 | 000780180 |
| ★185 | 695 | 1 | 000780185 |
| ★190 | 695 | 1 | 000780190 |
| ★195 | 695 | 1 | 000780195 |
| ★200 | 695 | 1 | 000780200 |
| ★210 | 740 | 1 | 000780210 |
| ★215 | 740 | 1 | 000780215 |
| ★220 | 740 | 1 | 000780220 |
| ★230 | 740 | 1 | 000780230 |

# 78AS
ring slogging wrenches

| " | L mm | | |
|---|---|---|---|
| ★1.1/16 | 180 | 1 | 000780327 |
| ★1.1/8 | 190 | 1 | 000780329 |
| ★1.3/16 | 190 | 1 | 000780330 |
| ★1.1/4 | 197 | 1 | 000780332 |
| ★1.5/16 | 197 | 1 | 000780333 |
| ★1.3/8 | 223 | 1 | 000780335 |
| ★1.7/16 | 223 | 1 | 000780336 |
| ★1.1/2 | 223 | 1 | 000780338 |
| ★1.5/8 | 223 | 1 | 000780341 |
| ★1.11/16 | 225 | 1 | 000780343 |
| ★1.13/16 | 240 | 1 | 000780346 |
| ★1.7/8 | 250 | 1 | 000780348 |
| ★2 | 250 | 1 | 000780350 |
| ★2.1/16 | 250 | 1 | 000780352 |
| ★2.3/16 | 275 | 1 | 000780355 |
| ★2.3/8 | 270 | 1 | 000780360 |
| ★2.9/16 | 302 | 1 | 000780365 |
| ★2.3/4 | 350 | 1 | 000780370 |
| ★2.15/16 | 350 | 1 | 000780375 |
| ★3.1/8 | 354 | 1 | 000780380 |

# 80
double swivel end socket wrenches

| mm | L mm | | |
|---|---|---|---|
| 6x7 | 170 | 3 | 000800006 |
| 8x9 | 176 | 3 | 000800008 |
| 8x10 | 179 | 3 | 000800009 |
| 10x11 | 182 | 3 | 000800010 |
| 12x13 | 228 | 3 | 000800012 |
| 14x15 | 232 | 3 | 000800014 |
| 13x17 | 231 | 3 | 000800015 |
| 16x17 | 234 | 2 | 000800016 |
| 18x19 | 285 | 2 | 000800018 |
| 19x22 | 287 | 2 | 000800019 |
| 20x22 | 289 | 2 | 000800020 |
| 21x23 | 289 | 2 | 000800021 |
| 24x27 | 405 | 2 | 000800024 |
| 30x32 | 413 | 2 | 000800030 |

| | | |
|---|---|---|
| **80/S8**<br>6x7-8x9-10x11-12x13-14x15<br>16x17-18x19-20x22 mm | 1 | 000800051 |
| **80/S11**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19-20x22<br>21x23-24x27-30x32 mm | 1 | 000800056 |

# 83
half-moon ring wrenches

ISO 3318

| mm | L mm | | |
|---|---|---|---|
| 8x10 | 126 | 3 | 000830008 |
| 10x12 | 137 | 3 | 000830010 |
| 11x13 | 138 | 3 | 000830011 |
| 14x17 | 183 | 3 | 000830014 |
| 15x17 | 184 | 2 | 000830015 |
| 16x18 | 196 | 2 | 000830016 |
| 19x22 | 231 | 2 | 000830019 |

| | | |
|---|---|---|
| **83/S3**<br>11x13-14x17-19x22 mm | 1 | 000830081 |
| **83/S5**<br>10x12-11x13-15x17<br>16x18-19x22 mm | 1 | 000830085 |

## 83AS
half-moon ring wrenches

| " | L mm | | |
|---|---|---|---|
| **7/16x1/2** | 138 | 2 | 000830111 |
| **9/16x5/8** | 183 | 2 | 000830114 |
| **3/4x7/8** | 230 | 2 | 000830119 |

| | | |
|---|---|---|
| **83AS/3**<br>7/16x1/2-9/16x5/8<br>3/4x7/8 | 1 | 000830181 |

## 88
double ended flat ring wrenches, extra-long series

| mm | L mm | | |
|---|---|---|---|
| **8x10** | 235 | 2 | 000880008 |
| **12x14** | 330 | 2 | 000880012 |
| **13x15** | 330 | 2 | 000880013 |
| **16x18** | 405 | 2 | 000880016 |
| **17x19** | 405 | 2 | 000880017 |
| **21x23** | 435 | 2 | 000880021 |
| **22x24** | 435 | 2 | 000880022 |

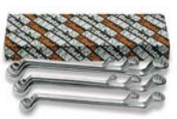
| | | |
|---|---|---|
| **88/S7**<br>8x10-12x14-13x15-16x18-<br>17x19-21x23-22x24 mm | 1 | 000880107 |

## 90
double ended deep offset ring wrenches

DIN 838 ISO 10104

| mm | L mm | | |
|---|---|---|---|
| **6x7** | 165 | 5 | 000900006 |
| **8x9** | 180 | 5 | 000900012 |
| **8x10** | 180 | 5 | 000900015 |
| **10x11** | 195 | 5 | 000900018 |
| **10x12** | 195 | 5 | 000900021 |
| **11x13** | 215 | 5 | 000900024 |
| **12x13** | 215 | 5 | 000900027 |
| **12x14** | 215 | 5 | 000900030 |
| **14x15** | 230 | 5 | 000900033 |
| **14x17** | 250 | 5 | 000900036 |
| **16x17** | 250 | 5 | 000900039 |
| **17x19** | 265 | 5 | 000900042 |
| **18x19** | 265 | 5 | 000900045 |
| **19x22** | 285 | 3 | 000900048 |
| **20x22** | 285 | 3 | 000900051 |
| **21x23** | 305 | 2 | 000900057 |
| **22x24** | 305 | 2 | 000900060 |
| **24x26** | 325 | 2 | 000900063 |
| **24x27** | 325 | 2 | 000900067 |
| **25x28** | 340 | 2 | 000900070 |
| **27x29** | 355 | 2 | 000900073 |
| **27x30** | 355 | 2 | 000900076 |
| **27x32** | 375 | 2 | 000900078 |
| **30x32** | 375 | 2 | 000900080 |
| **32x36** | 395 | 1 | 000900088 |
| **34x36** | 415 | 1 | 000900089 |
| **35x38** | 415 | 1 | 000900091 |
| **36x41** | 435 | 1 | 000900094 |
| **41x46** | 460 | 1 | 000900097 |
| **46x50** | 500 | 1 | 000900100 |

| | | |
|---|---|---|
| **90/B8N**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22 mm | 1 | 000900156 |
| **2002/BV8** | 1 | 020020020 |



| | | |
|---|---|---|
| **90/S8**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22 mm | 1 | 000900162 |
| **90/S12**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22-21x23-24x26<br>25x28-30x32 mm | 1 | 000900166 |
| **90/S12X**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22-21x23-24x27<br>25x28-30x32 mm | 1 | 000900167 |
| **90/S13**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22-21x23-24x26<br>25x28-27x29-30x32 mm | 1 | 000900170 |

| | | |
|---|---|---|
| **90/SP13**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22-21x23-24x26<br>25x28-27x29-30x32 mm | 1 | 000900174 |
| **55/SPV** | 1 | 000550190 |

## 90AS
double ended deep offset ring wrenches

| " | L mm | | |
|---|---|---|---|
| **1/4x5/16** | 165 | 2 | 000900203 |
| **5/16x11/32** | 180 | 2 | 000900206 |
| **5/16x3/8** | 180 | 2 | 000900209 |
| **3/8x7/16** | 195 | 2 | 000900212 |
| **7/16x1/2** | 215 | 2 | 000900215 |
| **1/2x9/16** | 230 | 2 | 000900218 |
| **9/16x5/8** | 230 | 2 | 000900221 |
| **19/32x11/16** | 250 | 2 | 000900222 |
| **5/8x11/16** | 250 | 2 | 000900224 |
| **5/8x3/4** | 265 | 2 | 000900227 |
| **11/16x3/4** | 265 | 1 | 000900230 |
| **11/16x13/16** | 265 | 1 | 000900233 |
| **3/4x25/32** | 265 | 1 | 000900235 |
| **3/4x7/8** | 285 | 1 | 000900237 |
| **13/16x7/8** | 285 | 1 | 000900240 |
| **7/8x15/16** | 305 | 1 | 000900243 |
| **15/16x1** | 325 | 1 | 000900252 |
| **1.1/16x1.1/4** | 375 | 1 | 000900258 |
| **1.1/8x1.5/16** | 375 | 1 | 000900261 |

| | | |
|---|---|---|
| **90AS/8**<br>1/4x5/16-5/16x11/32<br>3/8x7/16-1/2x9/16<br>5/8x11/16-11/16x3/4<br>13/16x7/8-15/16x1 | 1 | 000900298 |
| **90AS/10**<br>1/4x5/16-5/16x11/32<br>3/8x7/16-1/2x9/16<br>5/8x11/16-11/16x3/4<br>13/16x7/8-15/16x1<br>1.1/16x1.1/4-1.1/8x1.5/16 | 1 | 000900300 |

## 91
heavy duty offset ring wrenches

| mm | Ø mm | | |
|---|---|---|---|
| **24** | 38 | 1 | 000910024 |
| **27** | 41 | 1 | 000910027 |
| **30** | 48 | 1 | 000910030 |
| **32** | 49 | 1 | 000910032 |
| **36** | 54 | 1 | 000910036 |
| **41** | 62 | 1 | 000910041 |
| **46** | 69 | 1 | 000910046 |
| **50** | 76 | 1 | 000910050 |
| **55** | 81 | 1 | 000910055 |
| **60** | 90 | 1 | 000910060 |
| **65** | 98 | 1 | 000910065 |
| **70** | 105 | 1 | 000910070 |
| **75** | 110 | 1 | 000910075 |
| **80** | 125 | 1 | 000910080 |
| **85** | 125 | 1 | 000910085 |
| **90** | 140 | 1 | 000910090 |
| **95** | 140 | 1 | 000910095 |
| **100** | 143 | 1 | 000910100 |
| **105** | 146 | 1 | 000910105 |

## 92
tubes for item 91

| | L mm | 91 mm | Ø mm | | |
|---|---|---|---|---|---|
| **92/1** | 460 | 24÷30 | 19 | 1 | 000920010 |
| **92/2** | 610 | 32÷41 | 22 | 1 | 000920020 |
| **92/3** | 760 | 46÷55 | 25 | 1 | 000920030 |
| **92/4** | 860 | 60÷105 | 30 | 1 | 000920040 |

## 93
double-ended offset ring wrench
for scaffolding bolts

| mm | L mm | | |
|---|---|---|---|
| **21x22** | 310 | 3 | 000930021 |

## 93C
ratcheting double-ended offset ring wrenches
for scaffolding bolts

| mm | L mm | | |
|---|---|---|---|
| **17x19** | 310 | 1 | 000930117 |
| **19x22** | 310 | 1 | 000930119 |
| **19x24** | 310 | 1 | 000930120 |
| **21x22** | 365 | 1 | 000930121 |
| **36x38** | 445 | 1 | 000930136 |

## 94
flare nut open ring wrenches

DIN 3118

| mm | L mm | | |
|---|---|---|---|
| ○ **8x10** | 140 | 2 | 000940008 |
| ○ **9x11** | 153 | 2 | 000940009 |
| ○ **10x11** | 153 | 2 | 000940010 |
| ○ **11x13** | 175 | 2 | 000940011 |
| ○ **12x14** | 175 | 2 | 000940012 |
| ○ **13x15** | 175 | 2 | 000940013 |
| **14x15** | 175 | 2 | 000940014 |
| **14x17** | 195 | 2 | 000940015 |
| **17x19** | 212 | 2 | 000940017 |
| **19x22** | 228 | 2 | 000940019 |
| **22x24** | 242 | 2 | 000940022 |
| **24x27** | 260 | 2 | 000940024 |
| **30x32** | 300 | 2 | 000940030 |
| **36x41** | 320 | 1 | 000940036 |

| | | |
|---|---|---|
| **94/S6**<br>8x10-10x11-11x13-12x14<br>17x19-19x22 mm | 1 | 000940050 |
| **94/S10**<br>8x10-9x11-10x11-11x13<br>12x14-17x19-19x22<br>22x24-24x27-30x32 mm | 1 | 000940052 |

## 95
double ended flat ring wrenches

DIN 837 ISO 10103

| mm | L mm | | |
|---|---|---|---|
| **6x7** | 120 | 3 | 000950161 |
| **8x9** | 135 | 3 | 000950162 |
| **10x11** | 150 | 3 | 000950163 |
| **12x13** | 165 | 3 | 000950164 |
| **14x15** | 185 | 3 | 000950165 |
| **16x17** | 210 | 3 | 000950166 |
| **17x19** | 225 | 3 | 000950167 |
| **18x19** | 225 | 2 | 000950168 |
| **20x22** | 240 | 2 | 000950169 |
| **21x23** | 255 | 2 | 000950170 |
| **24x26** | 270 | 2 | 000950171 |
| **25x28** | 285 | 2 | 000950172 |
| **27x29** | 315 | 2 | 000950173 |
| **30x32** | 335 | 2 | 000950174 |

| | | |
|---|---|---|
| **95/S8**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22 mm | 1 | 000950177 |
| **95/S13**<br>6x7-8x9-10x11-12x13<br>14x15-16x17-18x19<br>20x22-21x23-24x26<br>25x28-27x29-30x32 mm | 1 | 000950179 |

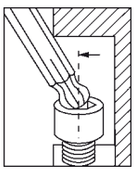
## 95FTX
double-ended straight wrenches,
for Torx® head screws

| | L mm | | |
|---|---|---|---|
| **E6xE8** | 115 | 2 | 000950306 |
| **E10xE12** | 143 | 2 | 000950310 |
| **E14xE18** | 177 | 2 | 000950314 |
| **E20xE24** | 224 | 2 | 000950320 |

| | | |
|---|---|---|
| **95FTX/S4**<br>E6xE8-E10xE12<br>E14xE18-E20xE24 | 1 | 000950325 |

# OFFSET HEXAGON KEY WRENCHES

Beta's hexagon key wrenches have been designed for long, accurate operation. The wide range covers all use requirements: the extra-short, short, long, extra-long, ball head and T-wrenches as well as the wrenches with high torque handles are among Beta's flagship products and are unrivalled in the market.



The ball head offset hexagon key wrenches allow operation at an angle of up to 30° to the screw axis.

The keys are packaged in a wallet for quick identification of the required size. When closed, it prevents the wrenches, including the smaller ones, from accidentally coming out.

The Color version combines the outstanding features of the standard wrenches with immediate identification of the required size to speed up daily work.

## 96

offset hexagon key wrenches
chrome-plated

ISO 2936

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 0,9 | 35 | 8 | 20 | 000960013 |
| 1,3 | 39 | 10 | 20 | 000960014 |
| 1,5 | 45 | 15 | 20 | 000960015 |
| 2 | 50 | 17 | 20 | 000960020 |
| 2,5 | 57 | 20 | 20 | 000960025 |
| 3 | 64 | 22 | 20 | 000960030 |
| 3,5 | 68 | 25 | 20 | 000960035 |
| 4 | 72 | 28 | 20 | 000960040 |
| 4,5 | 78 | 30 | 20 | 000960045 |
| 5 | 83 | 32 | 20 | 000960050 |
| 5,5 | 88 | 35 | 20 | 000960055 |
| 6 | 94 | 37 | 20 | 000960060 |
| 7 | 99 | 40 | 10 | 000960070 |
| 8 | 105 | 43 | 10 | 000960080 |
| 9 | 111 | 46 | 10 | 000960090 |
| 10 | 119 | 49 | 10 | 000960100 |
| 11 | 126 | 52 | 10 | 000960110 |
| 12 | 134 | 56 | 10 | 000960120 |
| 13 | 142 | 62 | 10 | 000960130 |
| 14 | 151 | 69 | 10 | 000960140 |
| 16 | 165 | 75 | 5 | 000960160 |
| 17 | 174 | 79 | 5 | 000960170 |
| 19 | 196 | 88 | 5 | 000960190 |
| 22 | 216 | 100 | 3 | 000960220 |
| 24 | 242 | 112 | 1 | 000960240 |
| 27 | 271 | 125 | 1 | 000960270 |
| 30 | 309 | 140 | 1 | 000960300 |
| 32 | 341 | 155 | 1 | 000960312 |
| 36 | 385 | 174 | 1 | 000960316 |

**96/ST6** — 3 — 000960370
2,5-3-4-5-6-8 mm

**96/BGS7** — 1 — 000960367
1,5-2-2,5-3-4-5-6 mm

**96/BG7** — 1 — 000960368
2,5-3-4-5-6-8-10 mm

**96/B8** — 5 — 000960386
2-2,5-3-4-5-6-8-10 mm

**96/B10** — 5 — 000960380
1,5-2-2,5-3-4-5-6-8-10-12 mm

**96N/BV** — 1 — 000960651

**96/SC9** — 1 — 000960374
1,5-2-2,5-3-4-5-6-8-10 mm

**96/SCV** — 1 — 000960985

**96/SC12** — 1 — 000960395
2-2,5-3-3,5-4-4,5-5
6-7-8-9-10 mm

**96/SCV12** — 1 — 000960975

## 96N

offset hexagon key wrenches,
burnished

ISO 2936

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 0,9 | 32 | 10 | 20 | 000960409 |
| 1,3 | 44 | 12 | 20 | 000960413 |
| 1,5 | 46 | 15 | 20 | 000960415 |
| 2 | 51 | 17 | 20 | 000960420 |
| 2,5 | 57 | 20 | 20 | 000960425 |
| 3 | 64 | 22 | 20 | 000960430 |
| 3,5 | 68 | 25 | 20 | 000960435 |
| 4 | 72 | 28 | 20 | 000960440 |
| 4,5 | 78 | 30 | 20 | 000960445 |
| 5 | 83 | 32 | 20 | 000960450 |
| 6 | 94 | 37 | 20 | 000960460 |
| 7 | 99 | 40 | 10 | 000960470 |
| 8 | 105 | 43 | 10 | 000960480 |
| 9 | 111 | 46 | 10 | 000960490 |
| 10 | 119 | 49 | 10 | 000960500 |
| 11 | 126 | 52 | 10 | 000960510 |
| 12 | 134 | 56 | 10 | 000960520 |
| 13 | 142 | 62 | 10 | 000960530 |
| 14 | 151 | 69 | 10 | 000960540 |
| 16 | 165 | 72 | 5 | 000960560 |
| 17 | 174 | 79 | 5 | 000960570 |
| 19 | 194 | 88 | 5 | 000960590 |
| 22 | 216 | 99 | 1 | 000960592 |
| 24 | 242 | 111 | 1 | 000960594 |

**96N/ST6** 3 000960640
2,5-3-4-5-6-8 mm

**96N/G7** 3 000960645
2,5-3-4-5-6-8-10 mm
**96N/G7A** 3 000960643
1,5-2-2,5-3-4-5-6 mm

**96N/B10** 5 000960650
1,5-2-2,5-3-4-5-6
8-10-12 mm
**96N/BV** 1 000960651

**96N/SC9** 1 000960644
1,5-2-2,5-3-4-5-6-8-10 mm
**96N/SCV** 1 000960986

**96N/SC12** 1 000960661
2-2,5-3-3,5-4-4,5-5
6-7-8-9-10 mm
**96N/SCV12** 1 000960976

## 96C/AS

offset hexagon key wrenches, chrome-plated

| " | L mm | L1 mm | g | | |
|---|---|---|---|---|---|
| **1/16** | 46 | 16 | 1,01 | 20 | 000961702 |
| **3/32** | 53 | 19 | 2,70 | 20 | 000961706 |
| **1/8** | 60 | 22 | 5,33 | 20 | 000961710 |
| **5/32** | 67 | 25 | 9.33 | 20 | 000961714 |
| **3/16** | 74 | 28 | 14,87 | 20 | 000961716 |
| **7/32** | 81 | 32 | 22,00 | 20 | 000961718 |
| **1/4** | 89 | 35 | 31,40 | 20 | 000961720 |
| **5/16** | 103 | 40 | 56,16 | 10 | 000961724 |
| **3/8** | 117 | 45 | 91,31 | 10 | 000961728 |

**96C-AS/SC9** 1 000961753
1/16-3/32-1/8-5/32-3/16-
7/32-1/4-5/16-3/8

## 96AS

offset hexagon key wrenches, burnished

| " | L mm | L1 mm | | |
|---|---|---|---|---|
| **1/30 (0,035")** | 44 | 14 | 20 | 000960698 |
| **1/20 (0,050")** | 44 | 15 | 20 | 000960701 |
| **1/16** | 46 | 16 | 20 | 000960702 |
| **5/64** | 50 | 18 | 20 | 000960704 |
| **3/32** | 53 | 19 | 20 | 000960706 |
| **7/64** | 57 | 21 | 20 | 000960708 |
| **1/8** | 60 | 22 | 20 | 000960710 |
| **9/64** | 64 | 24 | 20 | 000960712 |
| **5/32** | 68 | 25 | 20 | 000960714 |
| **3/16** | 75 | 29 | 20 | 000960716 |
| **7/32** | 82 | 32 | 20 | 000960718 |
| **1/4** | 89 | 35 | 20 | 000960720 |
| **5/16** | 103 | 40 | 10 | 000960724 |
| **3/8** | 117 | 44 | 10 | 000960728 |
| **7/16** | 132 | 49 | 10 | 000960730 |
| **1/2** | 149 | 54 | 10 | 000960732 |
| **9/16** | 151 | 69 | 2 | 000960734 |
| **5/8** | 165 | 72 | 1 | 000960736 |
| **3/4** | 194 | 88 | 1 | 000960738 |

**96AS/SC9** 1 000960743
1/16-3/32-1/8-5/32-3/16
7/32-1/4-5/16-3/8
**96AS/SCV** 1 000960744

**96AS/T7** 3 000960740
3/32-1/8-5/32
3/16-7/32-1/4-5/16

**96AS/G7** 3 000960745
3/32-1/8-5/32
3/16-1/4-5/16-3/8

**96AS/BG7** 1 000960747
3/32-1/8-5/32-3/16
1/4-5/16-3/8

**96AS/B11** 1 000960749
1/20-1/16-5/64-3/32
1/8-5/32-3/16-7/32
1/4-5/16-3/8
**96N/BV** 1 000960651

## 96LC

offset hexagon key wrenches, long series, chrome-plated

ISO 2936

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **2** | 101 | 17 | 20 | 000960320 |
| **2,5** | 113 | 20 | 20 | 000960321 |
| **3** | 127 | 22 | 20 | 000960322 |
| **3,5** | 138 | 25 | 20 | 000960323 |
| **4** | 142 | 28 | 20 | 000960324 |
| **4,5** | 154 | 28 | 20 | 000960325 |
| **5** | 163 | 32 | 20 | 000960326 |
| **6** | 184 | 37 | 20 | 000960327 |
| **7** | 194 | 40 | 10 | 000960328 |
| **8** | 205 | 43 | 10 | 000960329 |
| **9** | 216 | 46 | 10 | 000960330 |
| **10** | 231 | 49 | 10 | 000960331 |
| **12** | 259 | 56 | 10 | 000960332 |

| | | |
|---|---|---|
| **96LC/SC8**<br>2-2,5-3-4-5-6-8-10 mm | 1 | 000960334 |
| **96LC/SCV** | 1 | 000960983 |

| | | |
|---|---|---|
| **96LC/SC12**<br>2-2,5-3-3,5-4-4,5-5<br>6-7-8-9-10 mm | 1 | 000960337 |
| **96LC/SCV12** | 1 | 000960977 |

## 96L

offset hexagon key wrenches,
long series, burnished

ISO 2936

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **2** | 99 | 15 | 20 | 000960820 |
| **2,5** | 110 | 17 | 20 | 000960825 |
| **3** | 124 | 19 | 20 | 000960830 |
| **3,5** | 135 | 21 | 20 | 000960835 |
| **4** | 138 | 24 | 20 | 000960840 |
| **4,5** | 150 | 25 | 20 | 000960845 |
| **5** | 158 | 27 | 20 | 000960850 |
| **6** | 178 | 31 | 20 | 000960860 |
| **7** | 187 | 33 | 10 | 000960870 |
| **8** | 197 | 35 | 10 | 000960880 |
| **9** | 207 | 37 | 10 | 000960890 |
| **10** | 221 | 39 | 10 | 000960900 |
| **12** | 247 | 44 | 10 | 000960920 |

| | | |
|---|---|---|
| **96L/SC8**<br>2-2,5-3-4-5-6-8-10 mm | 1 | 000960924 |
| **96L/SCV** | 1 | 000960987 |

| | | |
|---|---|---|
| **96L/SC12**<br>2-2,5-3-3,5-4-4,5-5<br>6-7-8-9-10 mm | 1 | 000960929 |
| **96L/SCV12** | 1 | 000960978 |

## 96BP-CL

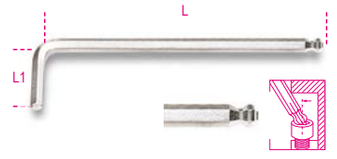
ball head offset hexagon key wrenches,
chrome-plated,
coloured

| mm | L mm | L1 mm | | | |
|---|---|---|---|---|---|
| **1,5** | 91 | 16 | | 5 | 000961600 |
| **2** | 102 | 17 | | 5 | 000961601 |
| **2,5** | 113 | 21 | | 5 | 000961602 |
| **3** | 128 | 23 | | 5 | 000961603 |
| **4** | 143 | 28 | | 5 | 000961604 |
| **5** | 163 | 33 | | 5 | 000961605 |
| **6** | 185 | 37 | | 5 | 000961606 |
| **8** | 206 | 43 | | 2 | 000961608 |
| **10** | 231 | 50 | | 2 | 000961610 |

| | | |
|---|---|---|
| **96BP-CL/SC9**<br>1,5-2-2,5-3-4-5-6-8-10 mm | 1 | 000961619 |
| **96BP-CL/SCV** | 1 | 000961629 |

## 96BPC

ball head offset hexagon key wrenches
chrome-plated




| mm | L mm | L1 mm | | | |
|---|---|---|---|---|---|
| **1,5** | 79 | 13 | | 10 | 000960340 |
| **2** | 84 | 15 | | 10 | 000960341 |
| **2,5** | 89 | 17 | | 10 | 000960342 |
| **3** | 99 | 19 | | 10 | 000960343 |
| **4** | 108 | 24 | | 10 | 000960344 |
| **5** | 126 | 27 | | 10 | 000960345 |
| **6** | 148 | 31 | | 10 | 000960346 |
| **7** | 157 | 33 | | 5 | 000960353 |
| **8** | 168 | 35 | | 5 | 000960347 |
| **10** | 187 | 39 | | 5 | 000960348 |
| **12** | 220 | 55 | | 5 | 000960352 |

| | | |
|---|---|---|
| **96BPC/SC9**<br>1,5-2-2,5-3-4-5-6-8-10 mm | 1 | 000960354 |
| **96BPC/SCV** | 1 | 000960984 |

## 96BP

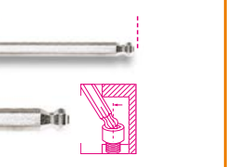
ball head offset hexagon key wrenches
burnished

| mm | L mm | L1 mm | | | |
|---|---|---|---|---|---|
| **1,5** | 79 | 13 | | 10 | 000960960 |
| **2** | 84 | 15 | | 10 | 000960961 |
| **2,5** | 89 | 17 | | 10 | 000960962 |
| **3** | 99 | 19 | | 10 | 000960963 |
| **4** | 108 | 24 | | 10 | 000960965 |
| **5** | 126 | 27 | | 10 | 000960967 |
| **6** | 148 | 31 | | 10 | 000960968 |
| **8** | 168 | 35 | | 5 | 000960970 |
| **10** | 187 | 39 | | 5 | 000960972 |
| **12** | 220 | 55 | | 5 | 000960973 |

| | | |
|---|---|---|
| **96BP/SC9**<br>1,5-2-2,5-3-4-5-6-8-10 mm | 1 | 000960974 |
| **96BP/SCV** | 1 | 000960988 |

## 96LBP

ball head offset hexagon key wrenches,
extra-long model

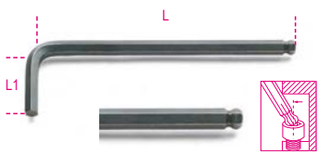



| mm | L mm | L1 mm | | | |
|---|---|---|---|---|---|
| **1,5** | 90 | 15 | | 5 | 000961340 |
| **2** | 100 | 17 | | 5 | 000961341 |
| **2,5** | 112 | 20 | | 5 | 000961342 |
| **3** | 127 | 22 | | 5 | 000961343 |
| **4** | 144 | 27 | | 5 | 000961344 |
| **5** | 163 | 32 | | 5 | 000961345 |
| **6** | 184 | 37 | | 5 | 000961346 |
| **8** | 204 | 44 | | 2 | 000961348 |
| **10** | 230 | 49 | | 2 | 000961350 |

| | | |
|---|---|---|
| **96LBP/SC9**<br>1,5-2-2,5-3-4-5-6-8-10 mm | 1 | 000961354 |
| **96LBP/SCV** | 1 | 000961984 |

## 96BP/AS

ball head offset hexagon wrenches
burnished




| " | L mm | L1 mm | | |
|---|---|---|---|---|
| **3/32** | 89 | 17 | 10 | 000960989 |
| **1/8** | 98 | 18 | 10 | 000960990 |
| **5/32** | 108 | 24 | 10 | 000960991 |
| **3/16** | 126 | 26 | 10 | 000960992 |
| **7/32** | 139 | 28 | 10 | 000960993 |
| **1/4** | 152 | 31 | 10 | 000960994 |
| **5/16** | 168 | 34 | 5 | 000960995 |
| **3/8** | 190 | 39 | 5 | 000960996 |

| | | |
|---|---|---|
| **96BP-AS/SC9**<br>1/16-3/32-1/8-5/32-3/16<br>7/32-1/4-5/16-3/8 | 1 | 000961000 |
| **96BP-AS/SCV** | 1 | 000961001 |

| | | |
|---|---|---|
| **96BP-AS/8**<br>3/32-1/8-5/32-3/16-7/32<br>1/4-5/16-3/8 | 1 | 000960997 |
| **96BP-AS/BV** | 1 | 000960998 |

## 96BPA

ball head offset hexagon key wrenches, 110°,
extra-short side model

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **1,5** | 71 | 9 | 5 | 000961960 |
| **2** | 86 | 11 | 5 | 000961961 |
| **2,5** | 96 | 13 | 5 | 000961962 |
| **3** | 104 | 15 | 5 | 000961963 |
| **4** | 116 | 17 | 5 | 000961964 |
| **5** | 132 | 19 | 5 | 000961965 |
| **6** | 155 | 21 | 5 | 000961966 |
| **8** | 176 | 24 | 2 | 000961968 |
| **10** | 200 | 27 | 2 | 000961970 |

| | | |
|---|---|---|
| **96BPA/SC9**<br>1,5-2-2,5-3-4-5-6-8-10 mm | 1 | 000961974 |
| **96BPA/SCV** | 1 | 000961988 |

## 96T
# OFFSET HEXAGON KEY WRENCHES
with high torque handles

*Rapid and easy to handle*

The small-size handle is perfectly balanced to quickly rotate in the palm of the hand. The ergonomic shape allows extremely high torques to be applied.

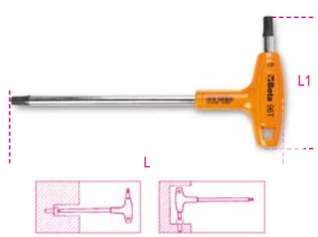
The hexagon ends have been designed to transmit the maximum possible torque to the screw.

The round blade has a homogenous frame compared to the hexagon blade and provides increased strength.

Blade passes through handle

## 96T

offset hexagon key wrenches,
with high torque handles



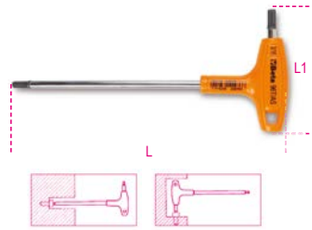

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **2** | 139 | 52 | 5 | 000960934 |
| **2,5** | 153 | 55 | 5 | 000960935 |
| **3** | 153 | 55 | 5 | 000960936 |
| **3,5** | 179 | 70 | 5 | 000960937 |
| **4** | 179 | 70 | 5 | 000960938 |
| **4,5** | 200 | 84 | 5 | 000960939 |
| **5** | 200 | 84 | 5 | 000960940 |
| **6** | 221 | 103 | 5 | 000960941 |
| **7** | 236 | 106 | 3 | 000960942 |
| **8** | 255 | 117 | 3 | 000960943 |
| **10** | 285 | 132 | 3 | 000960945 |

| | | |
|---|---|---|
| **96T/S6**<br>2-2,5-3-4-5-6 mm | 1 | 000960952 |
| **96T/S8**<br>2-2,5-3-4-5-6-8-10 mm | 1 | 000960933 |
| **96T/S11**<br>2-2,5-3-3,5-4-4,5-5-6-7-8-10 mm | 1 | 000960951 |

| | | |
|---|---|---|
| **96T/SP11**<br>2-2,5-3-3,5-4-4,5-5<br>6-7-8-10 mm | 1 | 000960957 |
| **96T/SPV**<br>96T/S11<br>97TTX/S11 | 1 | 000960958 |

## 96T/AS

offset hexagon key wrenches,
with high torque handles

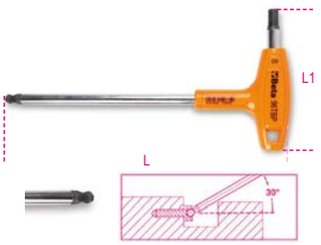



| " | L mm | L1 mm | | |
|---|---|---|---|---|
| **3/32** | 153 | 55 | 2 | 000960669 |
| **7/64** | 153 | 55 | 2 | 000960670 |
| **1/8** | 179 | 70 | 2 | 000960671 |
| **9/64** | 179 | 70 | 2 | 000960672 |
| **5/32** | 200 | 84 | 2 | 000960673 |
| **3/16** | 200 | 84 | 2 | 000960674 |
| **7/32** | 221 | 103 | 2 | 000960675 |
| **1/4** | 236 | 106 | 2 | 000960676 |
| **5/16** | 255 | 117 | 2 | 000960678 |
| **3/8** | 285 | 132 | 2 | 000960680 |

| | | |
|---|---|---|
| **96T/AS8**<br>3/32-7/64-1/8-5/32-3/16-<br>1/4-5/16-3/8 | 1 | 000960682 |
| **96T/AS10**<br>3/32-7/64-1/8-9/64-5/32<br>3/16-7/32-1/4-5/16-3/8 | 1 | 000960683 |

## 96TBP

ball head offset hexagon key wrenches
with high torque handles




| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **2,5** | 153 | 55 | 3 | 000960685 |
| **3** | 153 | 55 | 3 | 000960686 |
| **4** | 179 | 70 | 3 | 000960687 |
| **5** | 200 | 84 | 3 | 000960688 |
| **6** | 221 | 103 | 3 | 000960689 |
| **8** | 255 | 117 | 2 | 000960690 |
| **10** | 285 | 132 | 2 | 000960692 |

**96TBP/S6** 1 000960694
2,5-3-4-5-6-8 mm

## 97TX

offset key wrenches,
for Torx® head screws

| | L mm | L1 mm | | |
|---|---|---|---|---|
| **T6** | 42 | 16 | 5 | 000970006 |
| **T7** | 48 | 16 | 5 | 000970007 |
| **T8** | 48 | 16 | 5 | 000970008 |
| **T9** | 48 | 16 | 5 | 000970009 |
| **T10** | 51 | 17 | 5 | 000970010 |
| **T15** | 54 | 18 | 5 | 000970015 |
| **T20** | 57 | 19 | 5 | 000970020 |
| **T25** | 60 | 20 | 5 | 000970025 |
| **T27** | 64 | 21 | 5 | 000970027 |
| **T30** | 70 | 24 | 5 | 000970030 |
| **T40** | 76 | 26 | 5 | 000970040 |
| **T45** | 83 | 29 | 5 | 000970045 |
| **T50** | 95 | 32 | 5 | 000970050 |
| **T55** | 108 | 35 | 5 | 000970055 |
| **T60** | 120 | 38 | 5 | 000970060 |

**97TX/ST8** 1 000970640
T9-T10-T15-T20-T25
T27-T30-T40

**97TX/G8** 1 000970645
T9-T10-T15-T20-T25
T27-T30-T40

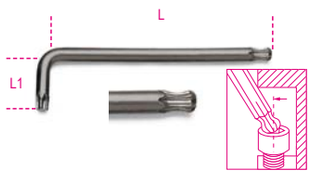
**97TX/BG8** 1 000970368
T9-T10-T15-T20-T25-T27-T30-T40

**97TX/SC8** 1 000970064
T9-T10-T15-T20-T25
T27-T30-T40
**97TX/SCV** 1 000970985

**97TX/B13** 1 000970650
T6-T7-T8-T9-T10-T15-T20
T25-T27-T30-T40-T45-T50
**96N/BV** 1 000960651

## 97BTX

ball head offset key wrenches,
for Torx® head screws




| | L mm | L1 mm | | |
|---|---|---|---|---|
| **T9** | 62 | 16 | 5 | 000970109 |
| **T10** | 71 | 17 | 5 | 000970110 |
| **T15** | 81 | 18 | 5 | 000970115 |
| **T20** | 92 | 19 | 5 | 000970120 |
| **T25** | 94 | 20 | 5 | 000970125 |
| **T27** | 105 | 21 | 5 | 000970127 |
| **T30** | 114 | 24 | 5 | 000970130 |
| **T40** | 129 | 26 | 5 | 000970140 |
| **T45** | 133 | 28 | 5 | 000970145 |
| **T50** | 152 | 32 | 3 | 000970150 |
| **T55** | 164 | 35 | 3 | 000970155 |

**97BTX/SC8** 1 000970164
T9-T10-T15-T20-T25-T27-T30-T40
**97BTX/SCV** 1 000970983

**97BTX/B8** 1 000970159
T9-T10-T15-T20-T25
T27-T30-T40
**96N/BV** 1 000960651

## 97BTX-C

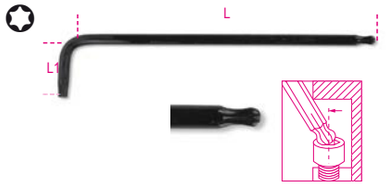
ball head offset key wrenches,
for Torx® head screws,
coloured

| | L mm | L1 mm | | |
|---|---|---|---|---|
| **T9** | 80 | 16 | 5 | 000971609 |
| **T10** | 86 | 17 | 5 | 000971610 |
| **T15** | 90 | 18 | 5 | 000971615 |
| **T20** | 95 | 19 | 5 | 000971620 |
| **T25** | 100 | 20 | 5 | 000971625 |
| **T27** | 105 | 21 | 5 | 000971627 |
| **T30** | 114 | 24 | 5 | 000971630 |
| **T40** | 124 | 26 | 5 | 000971640 |

**97BTX-C/SC8** 1 000971658
T9-T10-T15-T20-T25-T27-T30-T40
**97BTX-C/SCV** 1 000971659

## 97BTXL

ball head offset key wrenches, long model, for Torx® head screws




| | L mm | L1 mm | | |
|---|---|---|---|---|
| **T9** | 80 | 15 | 3 | 000970309 |
| **T10** | 86 | 17 | 3 | 000970310 |
| **T15** | 100 | 18 | 3 | 000970315 |
| **T20** | 110 | 19 | 3 | 000970320 |
| **T25** | 126 | 20 | 3 | 000970325 |
| **T27** | 140 | 24 | 3 | 000970327 |
| **T30** | 160 | 28 | 3 | 000970330 |
| **T40** | 176 | 32 | 3 | 000970340 |

| | | |
|---|---|---|
| **97BTXL/SC8**<br>T9-T10-T15-T20-<br>T25-T27-T30-T40 | 1 | 000970364 |
| **97BTXL/SCV** | 1 | 000970982 |

## 97RTX

offset key wrenches for Tamper Resistant Torx® head screws

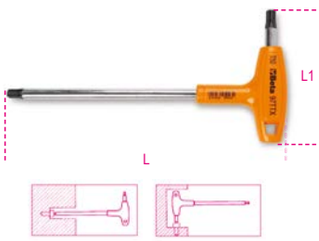
| | L mm | L1 mm | | |
|---|---|---|---|---|
| **T6** | 40 | 15 | 5 | 000970206 |
| **T7** | 45 | 15 | 5 | 000970207 |
| **T8** | 50 | 16 | 5 | 000970208 |
| **T9** | 56 | 16 | 5 | 000970209 |
| **T10** | 62 | 17 | 5 | 000970210 |
| **T15** | 72 | 17 | 5 | 000970215 |
| **T20** | 83 | 18 | 5 | 000970220 |
| **T25** | 90 | 18 | 5 | 000970225 |
| **T27** | 100 | 20 | 5 | 000970227 |
| **T30** | 105 | 24 | 5 | 000970230 |
| **T40** | 112 | 26 | 5 | 000970240 |
| **T45** | 118 | 26 | 5 | 000970245 |
| **T50** | 122 | 28 | 3 | 000970250 |
| **T55** | 128 | 30 | 3 | 000970255 |

| | | |
|---|---|---|
| **97RTX/SC8**<br>T9-T10-T15-T20-T25<br>T27-T30-T40 | 1 | 000970263 |
| **97RTX/SCV** | 1 | 000970984 |

| | | |
|---|---|---|
| **97RTX/B8**<br>T9-T10-T15-T20-T25<br>T27-T30-T40 | 1 | 000970260 |
| **96N/BV** | 1 | 000960651 |

## 97TTX

offset key wrenches with handles for Torx® head screws




| | L mm | L1 mm | | |
|---|---|---|---|---|
| **T6** | 130 | 52 | 3 | 000970706 |
| **T7** | 130 | 52 | 3 | 000970707 |
| **T8** | 139 | 52 | 3 | 000970708 |
| **T9** | 139 | 52 | 3 | 000970709 |
| **T10** | 179 | 70 | 3 | 000970710 |
| **T15** | 179 | 70 | 3 | 000970715 |
| **T20** | 179 | 70 | 3 | 000970720 |
| **T25** | 179 | 70 | 3 | 000970725 |
| **T27** | 200 | 84 | 3 | 000970727 |
| **T30** | 200 | 84 | 3 | 000970730 |
| **T40** | 221 | 103 | 3 | 000970740 |
| **T45** | 236 | 106 | 2 | 000970745 |
| **T50** | 255 | 117 | 2 | 000970750 |

| | | |
|---|---|---|
| **97TTX/S6**<br>T10-T15-T20-T25-T30-T40 | 1 | 000970791 |
| **97TTX/S8**<br>T8-T10-T15-T20-T25-<br>T27-T30-T40 | 1 | 000970808 |
| **97TTX/S11**<br>T8-T9-T10-T15-T20-T25<br>T27-T30-T40-T45-T50 | 1 | 000970800 |
| **97TTX/S13**<br>T6-T7-T8-T9-T10-T15-T20-T25<br>T27-T30-T40-T45-T50 | 1 | 000970813 |

| | | |
|---|---|---|
| **97TTX/SP11**<br>T8-T9-T10-T15-T20-T25<br>T27-T30-T40-T45-T50 | 1 | 000970840 |
| **96T/SPV**<br>96T/S11<br>97TTX/S11 | 1 | 000960958 |

## 98XZN

offset key wrenches with XZN® profile

DIN 65253

| | L mm | L1 mm | | |
|---|---|---|---|---|
| **M5** | 83 | 25 | 5 | 000980005 |
| **M6** | 89 | 30 | 5 | 000980006 |
| **M8** | 97 | 32 | 5 | 000980008 |
| **M10** | 106 | 35 | 5 | 000980010 |
| **M12** | 116 | 37 | 5 | 000980012 |
| **M14** | 118 | 45 | 5 | 000980014 |
| **M16** | 125 | 45 | 5 | 000980016 |

| | | |
|---|---|---|
| **98XZN/B5**<br>M5-M6-M8-M10-M12 | 1 | 000980650 |
| **96N/BV** | 1 | 000960651 |

## 99

hook wrenches with square noses, for ring nuts UNI/ISO 2982, 2983

UNI 6752

| mm | A mm | | |
|---|---|---|---|
| **12-14** | 1,5 | 3 | 000990012 |
| **16-18-20** | 1,8 | 3 | 000990016 |
| **22-25-28** | 1,8 | 3 | 000990022 |
| **30-32** | 2,1 | 3 | 000990030 |
| **34-36-38** | 2,4 | 3 | 000990034 |
| **40-42** | 2,4 | 3 | 000990040 |
| **45-50** | 2,5 | 3 | 000990045 |
| **52-55-58** | 2,5 | 3 | 000990052 |
| **62-65** | 3,1 | 3 | 000990062 |
| **68-70-75** | 3,1 | 3 | 000990068 |
| **80-85-90** | 3,8 | 2 | 000990080 |
| **92-95** | 4,3 | 2 | 000990092 |
| **98-100** | 4,3 | 2 | 000990098 |
| **105-110-115** | 4,4 | 1 | 000990105 |
| **120-125-130** | 4,9 | 1 | 000990120 |
| **135-145** | 6,0 | 1 | 000990135 |
| **155-165** | 6,0 | 1 | 000990155 |

## 99SQ

hook wrenches with square noses for ring nuts

| mm | B mm | | |
|---|---|---|---|
| **15-35** | 2,7 | 2 | 000990215 |
| **35-50** | 3,5 | 2 | 000990235 |
| **50-80** | 4,7 | 2 | 000990250 |
| **80-120** | 6,2 | 2 | 000990280 |
| **120-180** | 7,8 | 2 | 000990290 |

## 99ST
hook wrenches with round noses for ring nuts

| mm | Ø mm | B mm | | |
|---|---|---|---|---|
| **15-35** | 3,0 | 2,5 | 2 | 000990315 |
| **35-50** | 4,0 | 4,5 | 2 | 000990335 |
| **50-80** | 5,0 | 5,0 | 2 | 000990350 |
| **80-120** | 6,0 | 7,0 | 2 | 000990380 |
| **120-180** | 8,0 | 9,0 | 2 | 000990390 |

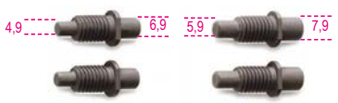
## 99 VN/...
spare nose for item 99ST

| | mm | | |
|---|---|---|---|
| **99ST VN/15** | 15-35 | 1 | 000990295 |
| **99ST VN/35** | 35-50 | 1 | 000990296 |
| **99ST VN/50** | 50-80 | 1 | 000990297 |
| **99ST VN/80** | 80-120 | 1 | 000990298 |
| **99ST VN/120** | 120-180 | 1 | 000990299 |

## 100
round pin wrench for ring nuts with front holes

| Ø mm | L mm | Ø min-max mm | | |
|---|---|---|---|---|
| **4,9-5,9 6,9-7,9** | 250 | 18÷100 | 1 | 001000001 |

## 100/KIT
spare pins for item 100




| | | |
|---|---|---|
| **100/KIT** | 1 | 001000010 |

## 111
adjustable wrenches with scales, chrome-plated
- **Right-hand rotation of pin**
- **With mm and inch scale**

DIN 3117 ISO 6787

| L mm | L " | A max mm | | |
|---|---|---|---|---|
| **100** | 4 | 15 | 3 | 001110010 |
| **150** | 6 | 24 | 3 | 001110015 |
| **200** | 8 | 28 | 3 | 001110020 |
| **250** | 10 | 34 | 3 | 001110025 |
| **300** | 12 | 35 | 3 | 001110030 |
| **380** | 15 | 45 | 3 | 001110038 |
| **450** | 18 | 54 | 2 | 001110045 |
| **600** | 24 | 62 | 1 | 001110060 |

## 111N
adjustable wrenches with scales, phosphatized
- **Left-hand rotation of pin**
- **With mm and inch scale**

DIN 3117 ISO 6787

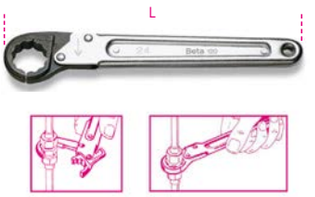
| L mm | L " | A max mm | | |
|---|---|---|---|---|
| **100** | 4 | 15 | 3 | 001110210 |
| **150** | 6 | 24 | 3 | 001110215 |
| **200** | 8 | 28 | 3 | 001110220 |
| **250** | 10 | 34 | 3 | 001110225 |
| **300** | 12 | 35 | 3 | 001110230 |
| **380** | 15 | 45 | 3 | 001110238 |
| **450** | 18 | 54 | 2 | 001110245 |

## 111G
adjustable wrenches with scales chrome-plated
- **Right-hand rotation of pin**
- **Mm and inch scale**
- **Ergonomic handle**

DIN 3117 ISO 6787

| L mm | L " | A max | | |
|---|---|---|---|---|
| **200** | 8 | 28 | 3 | 001110620 |
| **250** | 10 | 34 | 3 | 001110625 |
| **300** | 12 | 35 | 2 | 001110630 |

## 120
ratchet opening single ended bi-hex wrenches



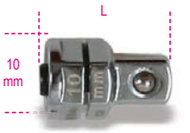

| mm | L mm | | |
|---|---|---|---|
| **10** | 135 | 1 | 001200010 |
| **11** | 135 | 1 | 001200011 |
| **12** | 135 | 1 | 001200012 |
| **13** | 135 | 1 | 001200013 |
| **14** | 135 | 1 | 001200014 |
| **17** | 185 | 1 | 001200017 |
| **19** | 185 | 1 | 001200019 |
| **22** | 230 | 1 | 001200022 |
| **24** | 230 | 1 | 001200024 |
| **27** | 230 | 1 | 001200027 |
| **30** | 320 | 1 | 001200030 |
| **32** | 320 | 1 | 001200032 |

| | | |
|---|---|---|
| **120/B6N** 10-11-13 17-19-22 mm | 1 | 001200060 |
| **2002/BVL6** | 1 | 020020010 |

## 123E1/4
bit holder adaptor, 1/4", for 10 mm ratcheting wrenches

| mm | L mm | | |
|---|---|---|---|
| **10** | 20,6 | 1 | 001230010 |

## 123Q1/4
quick release adaptor, 1/4", for 10 mm ratcheting wrenches




| mm | L mm | | |
|---|---|---|---|
| **10** | 17,5 | 1 | 001230310 |

## 123Q3/8
quick release adaptor, 3/8", for 13 mm ratcheting wrenches

| mm | L mm | | |
|---|---|---|---|
| **13** | 22,5 | 1 | 001230313 |

## 123Q1/2
quick release adaptor, 1/2", for 19 mm ratcheting wrenches

| mm | L mm | | |
|---|---|---|---|
| **19** | 30,5 | 1 | 001230319 |

## 123/K4

kit with 4 adapters for ratchet wrenches:
1 bit adapter
3 quick release adapters

| | | |
|---|---|---|
| **123/K4** | 1 | 001230504 |

## 141

ratcheting combination wrenches, straight series

ISO 21982:2020

| mm | L mm | | |
|---|---|---|---|
| **8x8** | 136 | 3 | 001410008 |
| **9x9** | 143 | 3 | 001410009 |
| **10x10** | 160 | 3 | 001410010 |
| **11x11** | 168 | 3 | 001410011 |
| **12x12** | 174 | 3 | 001410012 |
| **13x13** | 180 | 3 | 001410013 |
| **14x14** | 193 | 2 | 001410014 |
| **15x15** | 200 | 2 | 001410015 |
| **16x16** | 216 | 2 | 001410016 |
| **17x17** | 233 | 2 | 001410017 |
| **18x18** | 239 | 2 | 001410018 |
| **19x19** | 250 | 2 | 001410019 |

| | | |
|---|---|---|
| **141/B6**<br>8-10-13-14-17-19 mm | 1 | 001410066 |
| **141/B9**<br>8-10-11-12-13-14-15-17-19 mm | 1 | 001410069 |

| | | |
|---|---|---|
| **141/S12**<br>8-9-10-11-12-13-<br>14-15-16-17-18-19 mm | 1 | 001410072 |

## 142
## RATCHETING WRENCHES

The rapid 72-tooth ratchet provides a take-up angle of no more than 5°, thereby resulting in quick, accurate tightening.

❶ The fixed mouth makes strong tightening possible, based on the long shank.

❷ The built-in reversing lever avoids any risk of accidental reversal.

❸ The bi-hex ring end is angled at 15°, to protect the hand and allow easier access.

❹ The fixed head is angled at 15° to the axis, thereby resulting in a reduced take-up angle.

## 142

reversible ratcheting combination wrenches

ISO 21982:2020

| mm | L mm | | |
|---|---|---|---|
| **6x6** | 136 | 3 | 001420006 |
| **7x7** | 136 | 3 | 001420007 |
| **8x8** | 136 | 3 | 001420008 |
| **9x9** | 143 | 3 | 001420009 |
| **10x10** | 159 | 3 | 001420010 |
| **11x11** | 168 | 3 | 001420011 |
| **12x12** | 174 | 3 | 001420012 |
| **13x13** | 180 | 3 | 001420013 |
| **14x14** | 190 | 2 | 001420014 |
| **15x15** | 200 | 2 | 001420015 |
| **16x16** | 216 | 2 | 001420016 |
| **17x17** | 233 | 2 | 001420017 |
| **18x18** | 239 | 2 | 001420018 |
| **19x19** | 248 | 2 | 001420019 |
| **21x21** | 285 | 1 | 001420021 |
| **22x22** | 285 | 1 | 001420022 |
| **24x24** | 325 | 1 | 001420024 |
| **27x27** | 355 | 1 | 001420027 |
| **30x30** | 420 | 1 | 001420030 |
| **32x32** | 420 | 1 | 001420032 |
| **34x34** | 482 | 1 | 001420034 |
| **36x36** | 482 | 1 | 001420036 |
| **38x38** | 482 | 1 | 001420038 |

| | | |
|---|---|---|
| **142/B6**<br>8-10-13-14-17-19 mm | 1 | 001420066 |
| **142/BV6** | 1 | 001420076 |
| **142/B9**<br>8-10-11-12-13-14-15-17-19 mm | 1 | 001420069 |
| **142/BV9** | 1 | 001420079 |

| | | |
|---|---|---|
| **142/S15**<br>6-7-8-9-10-11-12-13<br>14-15-16-17-18-19-22 mm | 1 | 001420074 |
| **142/S17**<br>6-7-8-10-11-12-13-14-15-<br>16-17-18-19-21-22-24-27 mm | 1 | 001420068 |
| **142/S19**<br>6-7-8-9-10-11-12<br>13-14-15-16-17-18<br>19-22-24-27-30-32 mm | 1 | 001420075 |

## 142/SC9I-E

set of 9 reversible ratcheting combination wrenches, with compact support

| | | |
|---|---|---|
| **142/SC9I**<br>8-10-11-12-13-14-15-17-19 mm | 1 | 001420087 |
| **142/SCV9I** | 1 | 001420103 |
| **142/SC9E**<br>8-10-11-12-13-16-17-18-19 mm | 1 | 001420088 |
| **142/SCV9E** | 1 | 001420104 |

## 142MC

reversible ratcheting combination wrenches, coloured

ISO 21982:2020

| mm | L mm | | | |
|---|---|---|---|---|
| **8x8** | 136 | | 3 | 001422008 |
| **10x10** | 159 | | 3 | 001422010 |
| **11x11** | 168 | | 3 | 001422011 |
| **12x12** | 174 | | 3 | 001422012 |
| **13x13** | 180 | | 3 | 001422013 |
| **14x14** | 190 | | 2 | 001422014 |
| **15x15** | 200 | | 2 | 001422015 |
| **16x16** | 216 | | 2 | 001422016 |
| **17x17** | 233 | | 2 | 001422017 |
| **18x18** | 239 | | 2 | 001422018 |
| **19x19** | 248 | | 2 | 001422019 |

| | | |
|---|---|---|
| **142MC/SC9I**<br>8-10-11-12-13-14-15-17-19 mm | 1 | 001422087 |
| **142MC/SC9E**<br>8-10-11-12-13-16-17-18-19 mm | 1 | 001422088 |

## 142AS

reversible ratcheting combination wrenches

| " | L mm | | |
|---|---|---|---|
| **5/16x5/16** | 136 | 2 | 001420308 |
| **3/8x3/8** | 159 | 2 | 001420310 |
| **7/16x7/16** | 168 | 2 | 001420311 |
| **1/2x1/2** | 180 | 2 | 001420313 |
| **9/16x9/16** | 190 | 2 | 001420314 |
| **5/8x5/8** | 216 | 2 | 001420316 |
| **11/16x11/16** | 233 | 2 | 001420317 |
| **3/4x3/4** | 248 | 2 | 001420319 |

| | | |
|---|---|---|
| **142AS /8**<br>5/16-3/8-7/16-1/2<br>9/16-5/8-11/16-3/4 | 1 | 001420330 |

## 142C

ratcheting combination wrenches, straight short series

ISO 21982:2020

| mm | L mm | | |
|---|---|---|---|
| **8x8** | 88 | 2 | 001420108 |
| **9x9** | 96 | 2 | 001420109 |
| **10x10** | 96 | 2 | 001420110 |
| **11x11** | 100 | 2 | 001420111 |
| **12x12** | 104 | 2 | 001420112 |
| **13x13** | 108 | 2 | 001420113 |
| **14x14** | 114 | 2 | 001420114 |
| **15x15** | 118 | 2 | 001420115 |
| **16x16** | 122 | 2 | 001420116 |
| **17x17** | 128 | 2 | 001420117 |
| **18x18** | 132 | 2 | 001420118 |
| **19x19** | 138 | 2 | 001420119 |

| | | |
|---|---|---|
| **142C/A12**<br>8-9-10-11-12-13-14<br>15-16-17-18-19 mm | 1 | 001420175 |

## 142SN

swivel end ratcheting combination wrenches

ISO 21982:2020

| mm | L mm | | |
|---|---|---|---|
| **7x7** | 136 | 2 | 001420207 |
| **8x8** | 136 | 2 | 001420208 |
| **9x9** | 143 | 2 | 001420209 |
| **10x10** | 160 | 2 | 001420210 |
| **11x11** | 168 | 2 | 001420211 |
| **12x12** | 174 | 2 | 001420212 |
| **13x13** | 180 | 2 | 001420213 |
| **14x14** | 193 | 2 | 001420214 |
| **15x15** | 200 | 2 | 001420215 |
| **16x16** | 216 | 2 | 001420216 |
| **17x17** | 233 | 2 | 001420217 |
| **18x18** | 239 | 2 | 001420218 |
| **19x19** | 250 | 2 | 001420219 |
| **22x22** | 285 | 1 | 001420222 |
| **24x24** | 325 | 1 | 001420224 |

| | | |
|---|---|---|
| **142SN/S13**<br>7-8-9-10-11-12-13-14<br>15-16-17-18-19 mm | 1 | 001420263 |

| | | |
|---|---|---|
| **142SN/SC9**<br>8-10-11-12-13-14-15-17-19 mm | 1 | 001420259 |

## 186

self-locking wrench with automatic take-up device
for hexagons, 8 to 32 mm

**Ideal for hexagon, Spline, square and Torx® head screws, including damaged screws.**

| L mm | | |
|---|---|---|
| **260** | 1 | 001860008 |

## 187

swivelling, openable wrenches

| mm | L mm | | |
|---|---|---|---|
| **8x9** | 125 | 1 | 001870008 |
| **10x11** | 155 | 1 | 001870010 |
| **12x13** | 175 | 1 | 001870012 |
| **14x15** | 205 | 1 | 001870014 |
| **16x17** | 235 | 1 | 001870016 |

| | | |
|---|---|---|
| **187/B5**<br>8x9-10x11-12x13<br>14x15-16x17 mm | 1 | 001870050 |

## 188

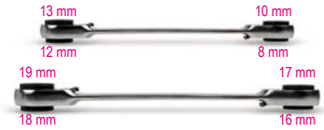
ratcheting flat bi-hex ring wrenches for free alternator pulleys

| mm | L mm | | |
|---|---|---|---|
| **10** | 240 | 2 | 001880010 |
| **15** | 322 | 2 | 001880015 |

## 192

reversible ratcheting double-ended flat bi-hex ring wrenches, 4 in1

| mm | L mm | | |
|---|---|---|---|
| **8x10/12x13** | 160 | 1 | 001920008 |
| **16x17/18x19** | 230 | 1 | 001920016 |




| | | | |
|---|---|---|---|
| **192/S2**<br>8x10/12x13 mm<br>16x17/18x19 mm | | 1 | 001920070 |

## 194

reversible ratcheting wrench for bits

| ⬭ | L mm | | |
|---|---|---|---|
| **1/4x5/16** | 128 | 2 | 001940006 |

## 195

ratcheting double-ended flat bi-hex ring wrenches

ISO 21982:2020

| mm | L mm | | |
|---|---|---|---|
| **8x10** | 128 | 2 | 001950010 |
| **12x13** | 170 | 2 | 001950013 |
| **14x15** | 190 | 2 | 001950015 |
| **16x18** | 230 | 2 | 001950018 |
| **17x19** | 230 | 2 | 001950019 |

| | | |
|---|---|---|
| **195/B5**<br>8x10-12x13-14x15<br>16x18-17x19 mm | 1 | 001950066 |
| **195/BV5** | 1 | 001950070 |

## 195AS

ratcheting double-ended flat bi-hex ring wrenches

| " | L mm | | |
|---|---|---|---|
| **5/16x3/8** | 128 | 2 | 001950606 |
| **7/16x1/2** | 170 | 2 | 001950611 |
| **9/16x5/8** | 190 | 2 | 001950614 |
| **11/16x3/4** | 230 | 2 | 001950617 |

| | | |
|---|---|---|
| **195AS/B4**<br>5/16x3/8 - 7/16x1/2 -<br>9/16x5/8 - 11/16x3/4 | 1 | 001950654 |
| **195FTX/BV4** | 1 | 001950520 |

## 195P

reversible ratcheting double-ended offset bi-hex ring wrenches, bent at 15°

ISO 21982:2020

| mm | L mm | | |
|---|---|---|---|
| **8x10** | 128 | 2 | 001950210 |
| **12x13** | 170 | 2 | 001950213 |
| **14x15** | 190 | 2 | 001950215 |
| **16x18** | 230 | 2 | 001950218 |
| **17x19** | 230 | 2 | 001950219 |

| | | |
|---|---|---|
| **195P/B5**<br>8x10-12x13-14x15<br>16x18-17x19 mm | 1 | 001950266 |
| **195/BV5** | 1 | 001950070 |

## 310

polywelder for PE, PP, PVC and PVDF pipes and fittings

CE

| | Ø mm | | |
|---|---|---|---|
| **310/1** | 16÷50 | 1 | 003100001 |
| **310/2** | 16÷63 | 1 | 003100002 |

## 310B

forms for polywelder item 310

| Ø mm | | |
|---|---|---|
| **16** | 1 | 003100016 |
| **20** | 1 | 003100020 |
| **25** | 1 | 003100025 |
| **32** | 1 | 003100032 |
| **40** | 1 | 003100040 |
| **50** | 1 | 003100050 |
| **63** | 1 | 003100063 |

## 310/C4

polywelder with assortment of 3 forms

| | | |
|---|---|---|
| **310/C4**<br>310/1+310B: Ø 20-25-32 | 1 | 003100104 |

410x260x82 mm - 4,8 kg

## 310/C8

polywelder with assortment of 7 forms

| | | |
|---|---|---|
| **310/C8**<br>310/2+310B: Ø 16-20-25<br>32-40-50-63 | 1 | 003100108 |

440x270x120 mm - 7,7 kg

## 311

heating plates for manual straight and slanted welding of PE, PP, PVC and PVDF pipes

CE

| | Ø mm | Watt | | |
|---|---|---|---|---|
| **311/1** | 120 | 300 | 1 | 003110001 |
| **311/2** | 190 | 900 | 1 | 003110002 |

# FIELD OF USE OF BETA'S PIPE CUTTERS

Beta's pipe cutters cover a wide range of applications. They rely on accurate, smooth rollers and screw or telescopic feed to make accurate, clean cuts possible on all the materials used for pipes.

**The table below shows the pipe cutter / cutter wheel combinations for each material.**

| | STEEL GAS PIPES | | |
|---|---|---|---|
| | 10 mm | 60 mm | 115 mm |
| | 1/8" | 2" | 4" |
| **330/2** | | | |
| **330/4** | | | |

| | STAINLESS STEEL GAS PIPES | | |
|---|---|---|---|
| | 10 mm | 60 mm | 115 mm |
| | 1/8" | 2" | 4" |
| **330/2+330R/I2** | | | |
| **330/4+330R/I4** | | | |

| | COPPER AND LIGHT ALLOY PIPES | | | | | | |
|---|---|---|---|---|---|---|---|
| | 3 mm | 6 mm | 8 mm | 16 mm | 30 mm | 38 mm | 67 mm |
| | 1/8" | 1/4" | 5/16" | 5/8" | 1"1/8 | 1"1/2 | 2"5/8 |
| **331L** | | | | | | | |
| **332** | | | | | | | |
| **334** | | | | | | | |
| **336** | | | | | | | |
| **338** | | | | | | | |

| | THIN-WALLED STAINLESS STEEL PIPES | | | | | | |
|---|---|---|---|---|---|---|---|
| | 3 mm | 6 mm | 8 mm | 16 mm | 30 mm | 38 mm | 67 mm |
| | 1/8" | 1/4" | 5/16" | 5/8" | 1"1/8 | 1"1/2 | 2"5/8 |
| **332 + 334R/I** | | | | | | | |
| **334 + 334R/I** | | | | | | | |
| **336 + 338R/I** | | | | | | | |
| **338 + 338R/I** | | | | | | | |

| | PLASTIC PIPES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 6 mm | 8 mm | 16 mm | 30 mm | 38 mm | 50 mm | 67 mm | 127 mm |
| | 1/4" | 5/16" | 5/8" | 1"1/8 | 1"1/2 | 2" | 2"5/8 | 5" |
| **336 + 338RP** | | | | | | | | |
| **338 + 338RP** | | | | | | | | |
| **339A** | | | | | | | | |

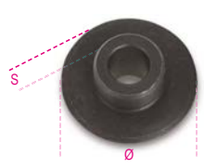
## 330

pipe cutters for steel gas pipes

| | Ø mm - " | L mm | | |
|---|---|---|---|---|
| **330/2** | 10÷60<br>1/8"÷ 2" | 380 | 1 | 003300002 |
| **330/4** | 60÷115<br>2"÷ 4" | 585 | 1 | 003300004 |

## 330R/A

spare cutters for item 330 wheels for steel pipes




| | Ø mm | S mm | | |
|---|---|---|---|---|
| **330R/A2** | 32 | 7 | 1 | 003300012 |
| **330R/A4** | 42 | 9 | 1 | 003300014 |

## 330R/I

spare cutter wheel for item 330 for stainless steel pipes

| | Ø mm | S mm | | |
|---|---|---|---|---|
| **330R/I2** | 32 | 7 | 1 | 003300024 |
| **330R/I4** | 32 | 9 | 1 | 003300034 |

## 332

mini pipe cutter for copper and light alloy pipes

| Ø mm - " | L mm | | |
|---|---|---|---|
| 3÷16<br>1/8"÷5/8" | 59 | 2 | 003320001 |

## 334

pipe cutter for copper and light alloy pipes

| Ø mm - " | L mm | | |
|---|---|---|---|
| 3÷30<br>1/8"÷1"1/8 | 150 | 1 | 003340001 |

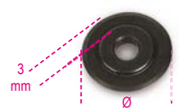
## 334R

spare cutter wheel for items 332 and 334 for copper and light alloy pipes

| | Ø mm | | |
|---|---|---|---|
| **334R** | 18 | 1 | 003340021 |

## 334R/I

spare cutter wheel for items 332 and 334 for stainless steel pipes




| | Ø mm | | |
|---|---|---|---|
| **334R/I** | 18 | 1 | 003340023 |

## 336

telescopic pipe cutter for copper and light alloy pipes

| Ø mm - " | L mm | | |
|---|---|---|---|
| 6÷38<br>1/4"÷1"1/2 | 160 | 1 | 003360001 |

## 338

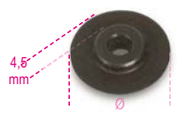
telescopic pipe cutter, fast advance for copper, light alloys and plastic pipes

| Ø mm - " | L mm | | |
|---|---|---|---|
| 6÷67<br>1/4"÷2"5/8 | 290 | 1 | 003380001 |

## 338R
spare cutter wheel for items 331L, 336 and 338 for copper and light alloy pipes

| | Ø mm | | |
|---|---|---|---|
| 338R | 18,5 | 1 | 003380022 |

## 338R/I
spare cutter wheel for items 336 and 338 for stainless steel pipes

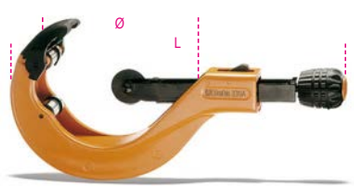



| | Ø mm | | |
|---|---|---|---|
| 338R/I | 21,8 | 1 | 003380023 |

## 338RP
spare cutter wheel for items 336 and 338 for plastic pipes

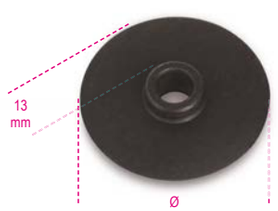
| | Ø mm | | |
|---|---|---|---|
| 338RP | 21,9 | 1 | 003380025 |

## 339A
telescopic pipe cutter, fast advance for plastic pipes




| | Ø mm - " | L mm | | |
|---|---|---|---|---|
| | 50÷127<br>2"÷ 5" | 345 | 1 | 003390011 |

## 339A/R
spare cutter wheels for item 339A




| | Ø mm | | |
|---|---|---|---|
| 339A/R | 42 | 1 | 003390061 |

## 340
multilayer pipe cutting pliers, max. Ø 26 mm

**PTFE-coated blade**
**4 support rollers making it easier to rotate pipe during cutting jobs**
**system for cutting corrugated pipes built into handle**
**lightweight magnesium body**

| | Ø max mm | | |
|---|---|---|---|
| | 26 | 1 | 003400001 |

## 340RL
spare blade for item 340

| | | | |
|---|---|---|---|
| 340RL | | 1 | 003400010 |

## 340C
corrugated pipe cutting pliers

- **pliers made of alloy aluminium and magnesium**
- **compact, pocket-size, lightweight**
- **additional blade for lengthwise cutting**

| | Ø mm | L mm | | |
|---|---|---|---|---|
| | 14-45 | 134 | 1 | 003400050 |

## 340C/KRL
kit of 3 spare blades for 340C

| | | | |
|---|---|---|---|
| 340C/KRL | | 1 | 003400055 |

## 341
pipe cutting pliers for plastic pipes

| | Ø mm | L mm | | |
|---|---|---|---|---|
| | 0÷25 | 190 | 1 | 003410001 |

## 341RL
spare blade for item 341

| | | | |
|---|---|---|---|
| 341RL | | 1 | 003410010 |

## 341B
ratchet-type shears for plastic pipes

| | Ø mm | L mm | | |
|---|---|---|---|---|
| | 0÷35 | 195 | 1 | 003410051 |

## 341B/RM
spare spring for item 341B

| | | | |
|---|---|---|---|
| 341B/RM | | 1 | 003410061 |

## 341B/RL
spare blade for item 341B

| | | | |
|---|---|---|---|
| 341B/RL | | 1 | 003410060 |

## 342
Ratchet-type shears
for plastic pipes

| Ø mm - " | L mm | | |
|---|---|---|---|
| 0÷42<br>1"5/8 | 200 | 1 | 003420030 |

## 342MOL
spare spring for item 342

| | | |
|---|---|---|
| 342MOL | 1 | 003420033 |

## 342RL
spare blade for item 342

| | | |
|---|---|---|
| 342RL | 1 | 003420032 |

## 342A
ratchet-type shears for plastic pipes

| Ø mm - " | L mm | | |
|---|---|---|---|
| 0÷50<br>2" | 270 | 1 | 003420101 |

## 342A/MOL
spare spring for item 342A

| | | |
|---|---|---|
| 342A/MOL | 1 | 003420111 |

## 342A/RL
spare blade for item 342A

| | | |
|---|---|---|
| 342A/RL | 1 | 003420110 |

## 342P
ratchet-type shears for plastic pipes, made from magnesium alloy

| Ø mm - " | L mm | | |
|---|---|---|---|
| 0÷50<br>2" | 260 | 1 | 003420121 |

## 342P/RL
spare blade for item 342P

| | | |
|---|---|---|
| 342P/RL | 1 | 003420130 |

## 345
pipe reamer metal body

| Ø mm - " | L mm | | |
|---|---|---|---|
| 3÷42<br>1/8"÷1"5/8 | 58 | 5 | 003450001 |

## 345U
pipe reamer for stainless steel, steel, copper and light alloys

| Ø mm - " | L mm | | |
|---|---|---|---|
| 4÷36<br>5/32÷1"7/16 | 60 | 1 | 003450050 |

## 345U/A
adapter for pipe reamer 345U, 1/4" hexagon drive, for power drivers

1/4"

| L mm | | |
|---|---|---|
| 90 | 3 | 003450055 |

## 345C
multilayer pipe gauge

| Ø mm | | |
|---|---|---|
| 16-20-26-32 | 1 | 003450032 |

## 345SB
deburrer with revolving replacement blade

| L mm | | |
|---|---|---|
| 150 | 5 | 003450010 |

## 345SB/R
spare blade for item 345SB

| | | |
|---|---|---|
| 345SB/R | 3 | 003450015 |

## 349
tube flaring tool with clutch, for copper and light alloy pipes

3/8"

| Ø mm - " | | |
|---|---|---|
| 6-8-10-12-14-15-16-18<br>(1/8-3/16-1/4-5/16<br>3/8-1/2-5/8-3/4) | 1 | 003490001 |

270x200x50 mm - 2,7 kg

## 349/SMM
metric slide for item 349

| Ø mm | | |
|---|---|---|
| 6-8-10-12-14-15-16-18 | 1 | 003490011 |

## 349/SMAS
inch slide for item 349

| Ø " | | |
|---|---|---|
| 1/8-3/16-1/4-5/16 3/8-1/2-5/8-3/4 | 1 | 003490012 |

## 350
tube flaring tool for copper and light alloy pipes

| Ø mm | L mm | A mm | | |
|---|---|---|---|---|
| 4-4,75-6-8 10-12-14 | 175 | 104 | 1 | 003500001 |

## 351C
pipe cutter and tube flaring tool

| | | |
|---|---|---|
| 351C | 1 | 003510010 |

| | |
|---|---|
| 334 | Ø 3÷30 mm (1/8"÷1"1/8) |
| 350 | Ø 4÷14 mm |
| 351P | Ø 4-4,75-6-8-10-12-14 mm |

225x150x45 mm - 1,6 kg

## 351P
inserts for tube flaring tool item 350

| | Ø mm | | |
|---|---|---|---|
| 351P 4 | 4 | 3 | 003510101 |
| 351P 4,75 | 4,75 | 3 | 003510102 |
| 351P 6 | 6 | 3 | 003510103 |
| 351P 8 | 8 | 3 | 003510104 |
| 351P 10 | 10 | 3 | 003510105 |
| 351P 12 | 12 | 3 | 003510106 |
| 351P 14 | 14 | 3 | 003510107 |

## 352U
adjustable tube flaring tool for copper and light alloy pipes

| Ø mm - " | A mm | | |
|---|---|---|---|
| 5÷16 3/16÷5/8 | 130 | 1 | 003520101 |

## 352C/U
pipe cutter, deburrer and adjustable tube flaring tool

| | | |
|---|---|---|
| 352C/U | 1 | 003520110 |

| | |
|---|---|
| 334 | Ø 3÷30 mm (1/8"÷1"1/8) |
| 345SB | |
| 352U | Ø 5÷16 mm (3/16"÷5/8") |

335x145x60 mm - 2120 g

## 353N
tube expanding pliers, with interchangeable forms

| L mm | | |
|---|---|---|
| 380 | 1 | 003530201 |

## 353NM
forms for tube expanding pliers item 353N

| Ø mm | A mm | | |
|---|---|---|---|
| 10 | 7 | 1 | 003530210 |
| 12 | 10 | 1 | 003530212 |
| 14 | 10 | 1 | 003530214 |
| 16 | 12 | 1 | 003530216 |
| 18 | 12 | 1 | 003530218 |
| 22 | 13 | 1 | 003530222 |

## 353N/C6
tube expanding pliers item 353N with forms item 353NM

| | | |
|---|---|---|
| 353N/C6 | 1 | 003530300 |

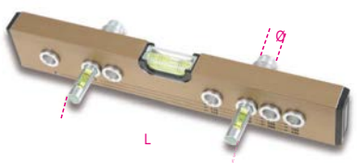
| | |
|---|---|
| 353N | |
| 353NM | Ø 10-12-14-16-18-22 mm |

420x185x60 mm - 2,2 kg

## 355
combination spud wrench, five steps

| Ø " | L mm | | |
|---|---|---|---|
| 3/8"-1/2" 3/4"-1" | 90 | 2 | 003550001 |

## 357F3
three-vial spirit level




| Ø " | L mm | | |
|---|---|---|---|
| 3/8" / 1/2" | 90÷220 | 1 | 003570100 |

## 357R/F3
spare vial for item 357F3

| | | |
|---|---|---|
| 357R/F3 | 1 | 003570101 |

## 358
tools for chamfering plastic pipes

| | Ø mm | | |
|---|---|---|---|
| **358/1** | 16÷110 | 1 | 003580001 |
| **358/2** | 40÷250 | 1 | 003580002 |

## 358RL
spare blade for items 358/1 and 358/2

| | | |
|---|---|---|
| **358RL** | 1 | 003580011 |

## 359
universal drain wrench

| Ø " | L mm | A mm | | |
|---|---|---|---|---|
| **1"÷1"1/4** | 160 | 140 | 1 | 003590001 |

## 359CH
drain adaptor, cross-shape for item 359

| Ø " | L mm | | |
|---|---|---|---|
| **1"1/2** | 74 | 1 | 003590005 |

## 360
pipe wrenches, Stillson pattern

| L mm | Ø max " | Ø max mm | | |
|---|---|---|---|---|
| **250** | 1" gas | 34 | 1 | 003600025 |
| **350** | 1"1/2 gas | 49 | 1 | 003600035 |
| **450** | 2" gas | 60 | 1 | 003600045 |
| **600** | 2"1/2 gas | 76 | 1 | 003600060 |
| **900** | 3"1/2 gas | 102 | 1 | 003600090 |

## 360R/...
spare parts kit for item 360
with moving jaw and ring nut.

| | | |
|---|---|---|
| **360R250** | 1 | 003600225 |
| **360R350** | 1 | 003600235 |
| **360R450** | 1 | 003600245 |
| **360R600** | 1 | 003600260 |
| **360R900** | 1 | 003600290 |

## 362
heavy duty pipe wrenches

| L mm | Ø max " | Ø max mm | | |
|---|---|---|---|---|
| **200** | 1" gas | 34 | 1 | 003620020 |
| **250** | 1"1/2 gas | 49 | 1 | 003620025 |
| **300** | 2" gas | 60 | 1 | 003620030 |
| **350** | 2" gas | 60 | 1 | 003620035 |
| **450** | 2"1/2 gas | 76 | 1 | 003620045 |
| **600** | 3" gas | 90 | 1 | 003620060 |
| **900** | 5" gas | 140 | 1 | 003620090 |

## 362R/...
spare parts kit for item 362
with: fixed jaw, moving jaw; ring nut; lockpin.

| | | |
|---|---|---|
| **362R 200** | 1 | 003620220 |
| **362R 250** | 1 | 003620225 |
| **362R 300** | 1 | 003620230 |
| **362R 350** | 1 | 003620235 |
| **362R 450** | 1 | 003620245 |
| **362R 600** | 1 | 003620260 |
| **362R 900** | 1 | 003620290 |

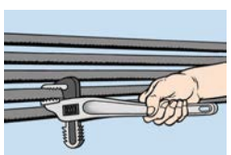
## 363
heavy duty pipe wrenches
made from light alloy

| L mm | Ø max " | Ø max mm | | |
|---|---|---|---|---|
| **350** | 2" gas | 60 | 1 | 003630035 |
| **450** | 2"1/2 gas | 76 | 1 | 003630045 |
| **600** | 3" gas | 90 | 1 | 003630060 |
| **900** | 5" gas | 140 | 1 | 003630090 |
| **1200** | 6" gas | 165 | 1 | 003630120 |

## 363R/...
spare parts kit for item 363
with: fixed jaw; moving jaw; ring nut; lockpin.

| | | |
|---|---|---|
| **363R 350** | 1 | 003630235 |
| **363R 450** | 1 | 003630245 |
| **363R 600** | 1 | 003630260 |
| **363R 900** | 1 | 003630290 |
| **363R 1200** | 1 | 003630320 |

## 365
heavy duty pipe wrenches,
offset pattern made from light alloy



| L mm | Ø max " | Ø max mm | | |
|---|---|---|---|---|
| **350** | 2" gas | 60 | 1 | 003650035 |
| **450** | 2"1/2 gas | 76 | 1 | 003650045 |

## 365R/...
spare parts kit for item 365
with: fixed jaw; moving jaw; ring nut; lockpin.

| | | |
|---|---|---|
| **365R 350** | 1 | 003650235 |
| **365R 450** | 1 | 003650245 |

## 366
pipe wrenches, light pattern

| L mm | Ø max " | Ø max mm | | |
|---|---|---|---|---|
| **175** | 1" gas | 34 | 1 | 003660017 |
| **225** | 1"1/2 gas | 49 | 1 | 003660022 |
| **275** | 2" gas | 60 | 1 | 003660027 |
| **300** | 2"1/2 gas | 76 | 1 | 003660030 |
| **350** | 3" gas | 90 | 1 | 003660035 |

## 374
pipe wrenches,
Swedish pattern, 45° slim jaws

DIN 5234

| L mm | Ø max " | Ø max mm | | |
|---|---|---|---|---|
| **240** | 1/2" gas | 21 | 1 | 003740024 |
| **320** | 1" gas | 34 | 1 | 003740032 |
| **410** | 1"1/2 gas | 49 | 1 | 003740041 |
| **550** | 2" gas | 60 | 1 | 003740055 |
| **630** | 3" gas | 90 | 1 | 003740063 |

## 375
pipe wrench, Swedish pattern,
45° flat jaws

DIN 5234

| L mm | Ø max " | Ø max mm | | |
|---|---|---|---|---|
| **320** | 1" gas | 34 | 1 | 003750032 |
| **410** | 1"1/2 gas | 49 | 1 | 003750041 |
| **550** | 2" gas | 60 | 1 | 003750055 |

## 376
pipe wrenches,
Swedish pattern, 90° flat jaws

DIN 5234

| L mm | Ø max " | Ø max mm | | |
|---|---|---|---|---|
| **320** | 1" gas | 34 | 1 | 003760032 |
| **410** | 1"1/2 gas | 49 | 1 | 003760041 |
| **550** | 2" gas | 60 | 1 | 003760055 |
| **630** | 3" gas | 90 | 1 | 003760063 |

## 378
pipe wrenches,
Swedish pattern, 45° slim jaws

DIN 5234

| L mm | Ø max " | Ø max mm | | |
|---|---|---|---|---|
| **250** | 1/2" gas | 21 | 1 | 003780025 |
| **320** | 1" gas | 34 | 1 | 003780032 |
| **410** | 1"1/2 gas | 49 | 1 | 003780041 |
| **550** | 2" gas | 60 | 1 | 003780055 |
| **650** | 3" gas | 90 | 1 | 003780065 |

## 374R/...
complete spare parts kit for items 374 - 375 - 376 - 378
with ring nut and ring nut stop

| | | |
|---|---|---|
| **374R 240**<br>x 374/240-378/250 | 1 | 003740724 |
| **374R 320**<br>x 374/320-376/320-378/320 | 1 | 003740732 |
| **374R 410**<br>x 374/410-375/410-376/410-378/410 | 1 | 003740741 |
| **374R 550**<br>x 374/550-376/550-378/550 | 1 | 003740755 |
| **374R 630**<br>x 374/630-378/650 | 1 | 003740763 |

## 383
reversible strip pipe wrenches

| | Ø max " | Ø max mm | L mm | | |
|---|---|---|---|---|---|
| **383/1** | 3" gas | 90 | 300 | 1 | 003830001 |
| **383/2** | 8" gas | 220 | 300 | 1 | 003830002 |

## 383R
spare strips for item 383

| | S mm | | |
|---|---|---|---|
| **383R/1** | 27 | 1 | 003830010 |
| **383R/2** | 27 | 1 | 003830015 |

## 384
reversible chain pipe wrench

| Ø max " | Ø max mm | L mm | | |
|---|---|---|---|---|
| **4" gas** | 115 | 300 | 1 | 003840032 |

## 384RC
spare chain for item 384

| | | |
|---|---|---|
| **384RC** | 1 | 003840033 |

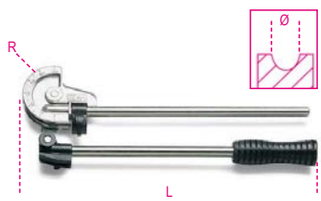
## 386A
heavy duty reversible
chain pipe wrenches

| | Ø max | L mm | | |
|---|---|---|---|---|
| **386A/3** | 4" gas 115 mm | 900 | 1 | 003860003 |
| **386A/4** | 6" gas 168 mm | 900 | 1 | 003860004 |
| **386A/5** | 8" gas 220 mm | 1100 | 1 | 003860005 |
| **386A/6** | 12" gas 324 mm | 1300 | 1 | 003860006 |

## 386A/RC
spare chains for item 386A

| | | |
|---|---|---|
| **386A3/RC** | 1 | 003860013 |
| **386A4/RC** | 1 | 003860014 |
| **386A5/RC** | 1 | 003860015 |
| **386A6/RC** | 1 | 003860016 |

## 388
pipe benders for thin walled copper, light alloy and mild steel pipes




| Ø mm | L mm | R mm | | |
|---|---|---|---|---|
| **6** | 305 | 18,0 | 1 | 003880006 |
| **8** | 315 | 23,5 | 1 | 003880008 |
| **10** | 350 | 31,0 | 1 | 003880010 |
| **12** | 360 | 31,0 | 1 | 003880012 |
| **14** | 455 | 46,5 | 1 | 003880014 |
| **15** | 465 | 46,5 | 1 | 003880015 |
| **16** | 465 | 46,5 | 1 | 003880016 |

## 388A
pipe bending pliers for thin walled copper and light alloy pipes

| | Ø | L mm | | |
|---|---|---|---|---|
| **388A/1** | 6-8-10 mm | 220 | 1 | 003880051 |
| **388A/2** | 1/4"-5/16"-3/8" | 220 | 1 | 003880055 |

## 388C/C8
pipe bender with 7 forms
for thin walled copper and light alloy pipes

| | Ø mm | | |
|---|---|---|---|
| 388C/C8 | 10-12-14-16<br>18-20-22 | 1 | 003880200 |

400x330x110 mm - 3,6 kg

## 389/K4
kit of pipe bending springs for copper pipes
for external use

| Ø " | L mm | | |
|---|---|---|---|
| 1/4-3/8-1/2-5/8 | 290 | 1 | 003890001 |

## 392C
adjustable drain tap pliers

| Ø mm | L mm | | |
|---|---|---|---|
| 25÷65 | 260 | 1 | 003920100 |

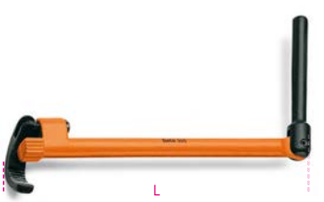
## 392RG/C
spare jaw protectors for item 392C, pair

| | | | |
|---|---|---|---|
| 392RG/C | | 1 | 003920101 |

## 393
water tap wrench

| L mm | | |
|---|---|---|
| 270 | 1 | 003930001 |

## 395
hinged water tap wrench

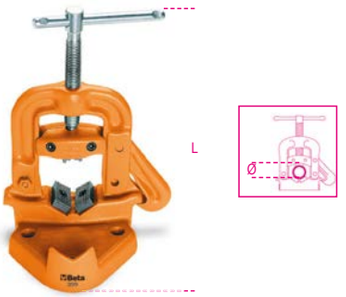



| | L mm | | |
|---|---|---|---|
| 15÷32 mm<br>5/8"÷1"1/4 | 240 | 1 | 003950001 |

## 395T
telescopic hinged water tap wrench

| | L mm | | |
|---|---|---|---|
| 10÷32 mm<br>3/8"÷1"1/4 | 250÷430 | 1 | 003950100 |

## 399
pivoting clamp vices

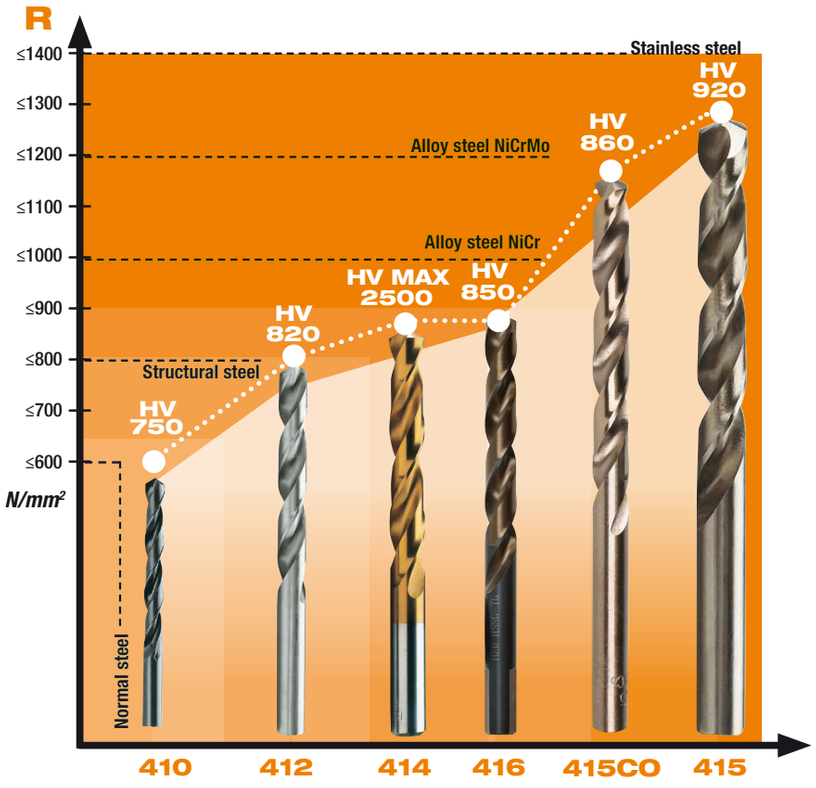



| Ø | L min mm | | |
|---|---|---|---|
| 10÷60 mm<br>1/8÷2" | 220 | 1 | 003990005 |
| 10÷89 mm<br>1/8÷3" | 290 | 1 | 003990010 |

## 399R/...
spare kit for item 399
composed of two lower jaws and one upper jaw

| | | |
|---|---|---|
| 399RG1/8-2" | 1 | 003990105 |
| 399RG1/8-3" | 1 | 003990110 |

# CHART FOR METAL TWIST DRILLS




***R N/mm²*** *– Mechanical resistance of the material to drill.*

***HV –*** *Twist drill hardness according to the Vickers scale: the higher the value, the higher the hardness of the material.*

# GUIDE TO TWIST DRILLS WITH CYLINDRICAL SHANKS

**Rolled twist drills** – Twist drills obtained from a hot-rolling manufacturing process. Good-quality twist drills, for use for light-duty jobs, e.g. drilling of iron, mild steel, light alloys and nonferrous metals in general.

**Ground twist drills** – Twist drills obtained entirely from grounding from a heat-treated steel bar. High-performance twist drills, for drilling steel and light alloys: constant efficiency, excellent chip removal and drilling precision.

**HSS** – High-speed steel, extremely hard, and resistant to high temperatures; the best material for cutting, tapping and threading tools.

**Cobalt (Co)** – A base alloy element, providing steel with improved heat resistance, and decreasing twist drill wear, e.g. at high temperatures. The higher the cobalt content, the better the performance of the tool. The most commonly used alloys have a 5% or 8% cobalt content.

**HSS-Co** – High-speed steel with a 5% or 8% cobalt content.

**TiN** – Ultrathin titanium nitride coating; based on its high hardness and low friction factor, it provides increased resistance to wear and oxidation and improved drilling chip removal.

**Chrome steel** – Tools made from chrome steel are suitable for manual use for threading of iron, light alloys, untreated steel and steel heat-treated at low hardness. They are widely used for cleaning and repairing damaged threads in all professional jobs in general, and in the automotive sector in particular.

**Hard metal** – Material with high wear resistance, used for plates in masonry drill bits.

**118° sharpening** – Standard sharpening angle of twist drills for metal, allowing quick drilling into metals, for easier centring and excellent heat dissipation.

**130° sharpening** – Wide sharpening angle, providing more precision in early drilling operations and requiring less drilling force.

**Double 115°/135° sharpening** – Combined benefits of the two angles, plus chip breaking function; the best choice for long chip materials.

**SDS-Plus –** Quick, safe tang for hammer drills.

## 410

twist drills with cylindrical shanks, short series HSS, rolled

**R ≤ 650 N/mm²**
**HV ~ 750÷820**

DIN 338 ISO 235

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 0,50 | 22 | 6 | 10 | 004100030 |
| 1,00 | 34 | 12 | 10 | 004100040 |
| 1,25 | 38 | 16 | 10 | 004100043 |
| 1,50 | 40 | 18 | 10 | 004100046 |
| 1,75 | 46 | 22 | 10 | 004100049 |
| 2,00 | 49 | 24 | 10 | 004100052 |
| 2,25 | 53 | 27 | 10 | 004100055 |
| 2,50 | 57 | 30 | 10 | 004100058 |
| 2,75 | 61 | 33 | 10 | 004100061 |
| 3,00 | 61 | 33 | 10 | 004100064 |
| 3,20 | 65 | 36 | 10 | 004100066 |
| 3,25 | 65 | 36 | 10 | 004100067 |
| 3,50 | 70 | 39 | 10 | 004100070 |
| 3,75 | 70 | 39 | 10 | 004100073 |
| 4,00 | 75 | 43 | 10 | 004100076 |
| 4,20 | 75 | 43 | 10 | 004100078 |
| 4,25 | 75 | 43 | 10 | 004100079 |
| 4,50 | 80 | 47 | 10 | 004100082 |
| 4,75 | 80 | 47 | 10 | 004100085 |
| 5,00 | 86 | 52 | 10 | 004100088 |
| 5,25 | 86 | 52 | 10 | 004100091 |
| 5,50 | 93 | 57 | 10 | 004100094 |
| 5,75 | 93 | 57 | 10 | 004100097 |
| 6,00 | 93 | 57 | 10 | 004100100 |
| 6,25 | 101 | 63 | 10 | 004100103 |
| 6,50 | 101 | 63 | 10 | 004100106 |
| 6,75 | 109 | 69 | 10 | 004100109 |
| 7,00 | 109 | 69 | 10 | 004100112 |
| 7,50 | 109 | 69 | 10 | 004100118 |
| 8,00 | 117 | 75 | 10 | 004100124 |
| 8,50 | 117 | 75 | 10 | 004100130 |
| 9,00 | 125 | 81 | 5 | 004100136 |
| 9,50 | 125 | 81 | 5 | 004100142 |
| 10,00 | 133 | 87 | 5 | 004100148 |
| 10,50 | 133 | 87 | 5 | 004100172 |
| 11,00 | 142 | 94 | 5 | 004100184 |
| 11,50 | 142 | 94 | 5 | 004100196 |
| 12,00 | 151 | 101 | 5 | 004100210 |
| 12,50 | 151 | 101 | 5 | 004100222 |
| 13,00 | 151 | 101 | 5 | 004100234 |
| 14,00 | 160 | 108 | 5 | 004100242 |
| 15,00 | 169 | 114 | 5 | 004100250 |
| 16,00 | 178 | 120 | 5 | 004100258 |
| 17,00 | 184 | 125 | 3 | 004100262 |
| 18,00 | 191 | 130 | 3 | 004100266 |
| 19,00 | 198 | 135 | 3 | 004100270 |
| 20,00 | 205 | 140 | 3 | 004100274 |

| | | |
|---|---|---|
| **410/SP19**<br>Ø 1÷10 x 0,5 mm | 1 | 004100419 |
| **410/SPV1** | 1 | 004100420 |
| **410/SP25**<br>Ø 1÷13 x 0,5 mm | 1 | 004100425 |
| **410/SPV2** | 1 | 004100426 |

| | | |
|---|---|---|
| **410/SEL19**<br>Ø 1÷10 x 0,5 mm | 1 | 004100418 |

## 410MIX/SEL19

set of 13 twist drills, item 410,
and 6 twist drills with hard metal insets

| | | |
|---|---|---|
| **410MIX/SEL19** | 1 | 004100417 |

Ø 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4
4,5 - 5 - 5,5 - 6 - 8 - 10 mm

Ø 4 - 5 - 6 - 8 - 9 - 10 mm

## 410A

twist drills with cylindrical shanks,
short series, HSS, rolled,
with small tang

**R ≤ 650 N/mm²**
**HV ~ 750÷820**

DIN 338 ISO 235

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **13,50** | 160 | 108 | 5 | 004100281 |
| **14,00** | 160 | 108 | 5 | 004100283 |
| **14,50** | 169 | 114 | 5 | 004100285 |
| **15,00** | 169 | 114 | 5 | 004100287 |
| **15,50** | 178 | 120 | 5 | 004100289 |
| **16,00** | 178 | 120 | 5 | 004100291 |
| **16,50** | 184 | 125 | 3 | 004100292 |
| **17,00** | 184 | 125 | 3 | 004100293 |
| **17,50** | 191 | 130 | 3 | 004100294 |
| **18,00** | 191 | 130 | 3 | 004100295 |
| **18,50** | 198 | 135 | 3 | 004100296 |
| **19,00** | 198 | 135 | 3 | 004100297 |
| **19,50** | 205 | 140 | 3 | 004100298 |
| **20,00** | 205 | 140 | 3 | 004100299 |

## 410AS

twist drills with cylindrical shanks,
short series, HSS,
rolled,
in inches

**R ≤ 650 N/mm²**
**HV ~ 750÷820**

ANSI B94

| Ø " | L mm | L1 mm | | |
|---|---|---|---|---|
| **1/16** | 48 | 22 | 10 | 004100371 |
| **5/64** | 51 | 25 | 10 | 004100372 |
| **3/32** | 57 | 32 | 10 | 004100373 |
| **7/64** | 67 | 38 | 10 | 004100374 |
| **1/8** | 70 | 41 | 10 | 004100375 |
| **9/64** | 73 | 44 | 10 | 004100376 |
| **5/32** | 79 | 51 | 10 | 004100377 |
| **11/64** | 83 | 54 | 10 | 004100378 |
| **3/16** | 89 | 59 | 10 | 004100379 |
| **13/64** | 92 | 62 | 10 | 004100380 |
| **7/32** | 95 | 64 | 10 | 004100381 |
| **15/64** | 98 | 67 | 10 | 004100382 |
| **1/4** | 102 | 70 | 10 | 004100383 |
| **17/64** | 105 | 73 | 10 | 004100384 |
| **9/32** | 108 | 75 | 10 | 004100385 |
| **19/64** | 111 | 78 | 10 | 004100386 |
| **5/16** | 114 | 81 | 10 | 004100387 |
| **21/64** | 117 | 84 | 10 | 004100388 |
| **11/32** | 121 | 87 | 5 | 004100389 |
| **23/64** | 124 | 89 | 5 | 004100390 |
| **3/8** | 127 | 92 | 5 | 004100391 |

| | | |
|---|---|---|
| **410AS/SP21**<br>Ø 1/16-5/64-3/32-7/64<br>1/8-9/64-5/32-11/64-3/16<br>13/64-7/32-15/64-1/4<br>17/64-9/32-19/64-5/16<br>21/64-11/32-23/64-3/8 | 1 | 004100429 |
| **410AS/SPV1** | 1 | 004100430 |

| | | |
|---|---|---|
| **410AS/SEL21**<br>Ø 1/16-5/64-3/32-7/64<br>1/8-9/64-5/32-11/64-3/16<br>13/64-7/32-15/64-1/4<br>17/64-9/32-19/64-5/16<br>21/64-11/32-23/64-3/8 | 1 | 004100433 |

## 412

twist drills with cylindrical shanks,
short series HSS entirely ground glossy
finishing

**R ≤ 800 N/mm²**
**HV ~ 750÷820**

DIN 338 ISO 235

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **0,50** | 22 | 6 | 10 | 004120030 |
| **1,00** | 34 | 12 | 10 | 004120040 |
| **1,25** | 38 | 16 | 10 | 004120043 |
| **1,50** | 40 | 18 | 10 | 004120046 |
| **1,75** | 46 | 22 | 10 | 004120049 |
| **2,00** | 49 | 24 | 10 | 004120052 |
| **2,25** | 53 | 27 | 10 | 004120055 |
| **2,50** | 57 | 30 | 10 | 004120058 |
| **2,75** | 61 | 33 | 10 | 004120061 |
| **3,00** | 61 | 33 | 10 | 004120064 |
| **3,25** | 65 | 36 | 10 | 004120067 |
| **3,50** | 70 | 39 | 10 | 004120070 |
| **3,75** | 70 | 39 | 10 | 004120073 |
| **4,00** | 75 | 43 | 10 | 004120076 |
| **4,25** | 75 | 43 | 10 | 004120079 |
| **4,50** | 80 | 47 | 10 | 004120082 |
| **4,75** | 80 | 47 | 10 | 004120085 |
| **5,00** | 86 | 52 | 10 | 004120088 |
| **5,25** | 86 | 52 | 10 | 004120091 |
| **5,50** | 93 | 57 | 10 | 004120094 |
| **5,75** | 93 | 57 | 10 | 004120097 |
| **6,00** | 93 | 57 | 10 | 004120100 |
| **6,25** | 101 | 63 | 10 | 004120103 |
| **6,50** | 101 | 63 | 10 | 004120106 |
| **6,75** | 109 | 69 | 10 | 004120109 |
| **7,00** | 109 | 69 | 10 | 004120112 |
| **7,25** | 109 | 69 | 5 | 004120115 |
| **7,50** | 109 | 69 | 5 | 004120118 |
| **7,75** | 117 | 75 | 5 | 004120121 |
| **8,00** | 117 | 75 | 5 | 004120124 |
| **8,25** | 117 | 75 | 5 | 004120127 |
| **8,50** | 117 | 75 | 5 | 004120130 |
| **8,75** | 125 | 81 | 5 | 004120133 |
| **9,00** | 125 | 81 | 5 | 004120136 |
| **9,25** | 125 | 81 | 5 | 004120139 |
| **9,50** | 125 | 81 | 5 | 004120142 |
| **9,75** | 133 | 87 | 5 | 004120145 |
| **10,00** | 133 | 87 | 5 | 004120148 |
| **10,25** | 133 | 87 | 5 | 004120149 |
| **10,50** | 133 | 87 | 5 | 004120150 |
| **10,75** | 142 | 94 | 5 | 004120151 |
| **11,00** | 142 | 94 | 5 | 004120152 |
| **11,25** | 142 | 94 | 5 | 004120153 |
| **11,50** | 142 | 94 | 5 | 004120154 |
| **11,75** | 142 | 94 | 5 | 004120155 |
| **12,00** | 151 | 101 | 5 | 004120156 |
| **12,25** | 151 | 101 | 5 | 004120157 |
| **12,50** | 151 | 101 | 5 | 004120158 |
| **12,75** | 151 | 101 | 5 | 004120159 |
| **13,00** | 151 | 101 | 5 | 004120160 |

| | | |
|---|---|---|
| **412/SP19**<br>Ø 1÷10 x 0,5 mm | 1 | 004120419 |
| **412/SPV1** | 1 | 004120420 |
| **412/SP25**<br>Ø 1÷13 x 0,5 mm | 1 | 004120425 |
| **412/SPV2** | 1 | 004120426 |
| **412/SP49**<br>Ø 1÷13 x 0,25 mm | 1 | 004120449 |
| **412/SPV4** | 1 | 004120451 |

## 412/C150

| | | | |
|---|---|---|---|
| **412/C150** | | 1 | 004120450 |

| | | n. |
|---|---|---|
| **412** | Ø 3 mm | 20 |
| | Ø 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 4,5 - 5 mm | 10 |
| | Ø 5,5 - 6 - 6,5 - 7 - 7,5 - 8 - 8,5 - 9 - 9,5 - 10 mm | 5 |

365x230x47 mm - 3,3 kg

| | | | |
|---|---|---|---|
| **412/SP91**<br>Ø 1÷10 x 0,10 mm | | 1 | 004120452 |

## 412A

twist drills with cylindrical shanks, short series, HSS, entirely ground, burnished, with small tang

**R ≤ 800 N/mm²**
**HV ~ 750÷820**

DIN 338 ISO 235

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **13,50** | 160 | 108 | 3 | 004120202 |
| **14,00** | 160 | 108 | 3 | 004120204 |
| **14,50** | 169 | 114 | 3 | 004120206 |
| **15,00** | 169 | 114 | 3 | 004120208 |
| **15,50** | 178 | 120 | 3 | 004120210 |
| **16,00** | 178 | 120 | 3 | 004120212 |
| **16,50** | 184 | 125 | 1 | 004120213 |
| **17,00** | 184 | 125 | 1 | 004120214 |
| **17,50** | 191 | 130 | 1 | 004120215 |
| **18,00** | 191 | 130 | 1 | 004120216 |
| **18,50** | 198 | 135 | 1 | 004120217 |
| **19,00** | 198 | 135 | 1 | 004120218 |
| **19,50** | 205 | 140 | 1 | 004120219 |
| **20,00** | 205 | 140 | 1 | 004120220 |

## 412C

twist drills with cylindrical shanks, extra-short series, HSS, entirely ground, burnished

**R ≤ 800 N/mm²**
**HV ~ 750÷820**

DIN 1897 ISO 235

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **3,00** | 46 | 16 | 10 | 004120288 |
| **3,25** | 49 | 18 | 10 | 004120289 |
| **3,50** | 52 | 20 | 10 | 004120290 |
| **4,00** | 55 | 22 | 10 | 004120292 |
| **4,50** | 58 | 24 | 10 | 004120294 |
| **5,00** | 62 | 26 | 10 | 004120296 |
| **5,50** | 66 | 28 | 10 | 004120298 |
| **6,00** | 66 | 28 | 10 | 004120300 |
| **6,5** | 70 | 31 | 10 | 004120301 |
| **7,00** | 74 | 34 | 10 | 004120302 |
| **7,5** | 74 | 34 | 5 | 004120303 |
| **8,00** | 79 | 37 | 5 | 004120304 |

## 412L

twist drills with cylindrical shanks, long series, HSS entirely ground burnished

**R ≤ 800 N/mm²**
**HV ~ 750÷820**

DIN 340

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **2,00** | 85 | 56 | 10 | 004120232 |
| **2,50** | 95 | 62 | 10 | 004120234 |
| **3,00** | 100 | 66 | 10 | 004120236 |
| **3,50** | 112 | 73 | 10 | 004120238 |
| **4,00** | 119 | 78 | 10 | 004120240 |
| **4,50** | 126 | 82 | 10 | 004120242 |
| **5,00** | 132 | 87 | 10 | 004120244 |
| **5,50** | 139 | 91 | 10 | 004120246 |
| **6,00** | 139 | 91 | 10 | 004120248 |
| **6,50** | 148 | 97 | 5 | 004120250 |
| **7,00** | 156 | 102 | 5 | 004120252 |
| **8,00** | 165 | 109 | 5 | 004120256 |
| **9,00** | 175 | 115 | 5 | 004120260 |
| **10,00** | 184 | 121 | 5 | 004120264 |

## 412XL

twist drills with cylindrical shanks, extra-long series, HSS, entirely ground

**R ≤ 800 N/mm²**
**HV ~ 750÷820**

DIN 1869/1

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **3,00** | 150 | 100 | 1 | 004120520 |
| **3,50** | 165 | 115 | 1 | 004120522 |
| **4,00** | 175 | 120 | 1 | 004120524 |
| **4,50** | 185 | 125 | 1 | 004120526 |
| **5,00** | 195 | 135 | 1 | 004120528 |
| **5,50** | 205 | 140 | 1 | 004120530 |
| **6,00** | 205 | 140 | 1 | 004120532 |

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **6,50** | 215 | 150 | 1 | 004120534 |
| **7,00** | 225 | 155 | 1 | 004120536 |
| **7,50** | 225 | 155 | 1 | 004120538 |
| **8,00** | 240 | 165 | 1 | 004120540 |
| **8,50** | 240 | 165 | 1 | 004120542 |
| **9,00** | 250 | 175 | 1 | 004120544 |
| **9,50** | 250 | 175 | 1 | 004120546 |
| **10,00** | 265 | 185 | 1 | 004120548 |
| **10,50** | 265 | 185 | 1 | 004120550 |
| **11,00** | 280 | 195 | 1 | 004120552 |
| **12,00** | 295 | 205 | 1 | 004120556 |
| **13,00** | 295 | 205 | 1 | 004120560 |

## 414

twist drills with cylindrical shanks, short series, HSS-TiN entirely ground

**R ≤ 900 N/mm²**
**HV 0,05 ~ 2500**

DIN 338 ISO 235

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **1,00** | 34 | 12 | 10 | 004140040 |
| **1,25** | 38 | 16 | 10 | 004140042 |
| **1,50** | 40 | 18 | 10 | 004140046 |
| **1,75** | 46 | 22 | 10 | 004140048 |
| **2,00** | 49 | 24 | 10 | 004140052 |
| **2,25** | 53 | 27 | 10 | 004140054 |
| **2,50** | 57 | 30 | 10 | 004140058 |
| **2,75** | 61 | 33 | 10 | 004140060 |
| **3,00** | 61 | 33 | 10 | 004140064 |
| **3,25** | 65 | 36 | 10 | 004140066 |
| **3,50** | 70 | 39 | 10 | 004140070 |
| **3,75** | 70 | 39 | 10 | 004140072 |
| **4,00** | 75 | 43 | 10 | 004140076 |
| **4,25** | 75 | 43 | 10 | 004140078 |
| **4,50** | 80 | 47 | 10 | 004140082 |
| **4,75** | 80 | 47 | 10 | 004140084 |
| **5,00** | 86 | 52 | 10 | 004140088 |
| **5,25** | 86 | 52 | 10 | 004140090 |
| **5,50** | 93 | 57 | 10 | 004140094 |
| **5,75** | 93 | 57 | 10 | 004140096 |
| **6,00** | 93 | 57 | 10 | 004140100 |
| **6,25** | 101 | 63 | 10 | 004140102 |
| **6,50** | 101 | 63 | 10 | 004140106 |
| **6,75** | 109 | 69 | 10 | 004140108 |
| **7,00** | 109 | 69 | 10 | 004140112 |
| **7,25** | 109 | 69 | 5 | 004140114 |
| **7,50** | 109 | 69 | 5 | 004140118 |
| **7,75** | 117 | 75 | 5 | 004140120 |
| **8,00** | 117 | 75 | 5 | 004140124 |
| **8,25** | 117 | 75 | 5 | 004140125 |
| **8,50** | 117 | 75 | 5 | 004140130 |
| **8,75** | 125 | 81 | 5 | 004140132 |
| **9,00** | 125 | 81 | 5 | 004140136 |
| **9,25** | 125 | 81 | 5 | 004140138 |
| **9,50** | 125 | 81 | 5 | 004140142 |
| **9,75** | 133 | 87 | 5 | 004140144 |
| **10,00** | 133 | 87 | 5 | 004140148 |
| **10,50** | 133 | 87 | 5 | 004140150 |
| **11,00** | 142 | 94 | 5 | 004140152 |
| **11,50** | 142 | 94 | 5 | 004140154 |
| **12,00** | 151 | 101 | 5 | 004140156 |
| **12,50** | 151 | 101 | 5 | 004140158 |
| **13,00** | 151 | 101 | 5 | 004140160 |

| | | |
|---|---|---|
| **414/SP19**<br>Ø 1÷10 x 0,5 mm | 1 | 004140419 |
| **414/SPV1** | 1 | 004140420 |
| **414/SP25**<br>Ø 1÷13 x 0,5 mm | 1 | 004140425 |
| **414/SPV2** | 1 | 004140426 |
| **414/SP49**<br>Ø 1÷13 x 0,25 mm | 1 | 004140429 |
| **414/SPV4** | 1 | 004140430 |

## 414/C116

| | | |
|---|---|---|
| **414/C116** | 1 | 004140450 |

| | | n. |
|---|---|---|
| **414** | Ø 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 4,5 - 5 mm | 10 |
| | Ø 5,5 - 6 - 6,5 - 7 - 7,5 - 8 mm | 3 |
| | Ø 8,5 - 9 - 9,5 - 10 mm | 2 |

365x230x47 mm - 2,7 Kg

## 415

twist drills with cylindrical shanks, short series, HSS-CO 8% entirely ground

**R ≤ 1400 N/mm²**
**HV ~ 850÷920**

Co8%

DIN 338 ISO 235

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **0,50** | 22 | 6 | 10 | 004150029 |
| **1,00** | 34 | 12 | 10 | 004150040 |
| **1,25** | 38 | 16 | 10 | 004150043 |
| **1,50** | 40 | 18 | 10 | 004150046 |
| **1,75** | 46 | 22 | 10 | 004150049 |
| **2,00** | 49 | 24 | 10 | 004150052 |
| **2,25** | 53 | 27 | 10 | 004150055 |
| **2,50** | 57 | 30 | 10 | 004150058 |
| **2,75** | 61 | 33 | 10 | 004150061 |
| **3,00** | 61 | 33 | 10 | 004150064 |
| **3,25** | 65 | 36 | 10 | 004150067 |
| **3,50** | 70 | 39 | 10 | 004150070 |
| **3,75** | 70 | 39 | 10 | 004150073 |
| **4,00** | 75 | 43 | 10 | 004150076 |
| **4,25** | 75 | 43 | 10 | 004150079 |
| **4,50** | 80 | 47 | 10 | 004150082 |
| **4,75** | 80 | 47 | 10 | 004150085 |
| **5,00** | 86 | 52 | 10 | 004150088 |
| **5,25** | 86 | 52 | 10 | 004150091 |
| **5,50** | 93 | 57 | 10 | 004150094 |
| **5,75** | 93 | 57 | 10 | 004150097 |
| **6,00** | 93 | 57 | 10 | 004150100 |
| **6,25** | 101 | 63 | 10 | 004150103 |
| **6,50** | 101 | 63 | 10 | 004150106 |
| **6,75** | 109 | 69 | 10 | 004150109 |
| **7,00** | 109 | 69 | 10 | 004150112 |
| **7,25** | 109 | 69 | 5 | 004150115 |
| **7,50** | 109 | 69 | 5 | 004150118 |
| **7,75** | 117 | 75 | 5 | 004150121 |
| **8,00** | 117 | 75 | 5 | 004150124 |
| **8,25** | 117 | 75 | 5 | 004150127 |
| **8,50** | 117 | 75 | 5 | 004150130 |
| **8,75** | 125 | 81 | 5 | 004150133 |
| **9,00** | 125 | 81 | 5 | 004150136 |
| **9,25** | 125 | 81 | 5 | 004150139 |
| **9,50** | 125 | 81 | 5 | 004150142 |
| **9,75** | 133 | 87 | 5 | 004150145 |
| **10,00** | 133 | 87 | 5 | 004150148 |
| **10,25** | 133 | 87 | 5 | 004150149 |
| **10,50** | 133 | 87 | 5 | 004150150 |
| **10,75** | 142 | 94 | 5 | 004150151 |
| **11,00** | 142 | 94 | 5 | 004150152 |
| **11,25** | 142 | 94 | 5 | 004150153 |
| **11,50** | 142 | 94 | 5 | 004150154 |
| **11,75** | 142 | 94 | 5 | 004150155 |
| **12,00** | 151 | 101 | 5 | 004150156 |
| **12,25** | 151 | 101 | 5 | 004150157 |
| **12,50** | 151 | 101 | 5 | 004150158 |
| **12,75** | 151 | 101 | 5 | 004150159 |
| **13,00** | 151 | 101 | 5 | 004150160 |
| **14,00** | 160 | 108 | 3 | 004150164 |
| **15,00** | 169 | 114 | 3 | 004150168 |
| **16,00** | 178 | 120 | 3 | 004150172 |
| **17,00** | 186 | 125 | 1 | 004150174 |
| **18,00** | 194 | 130 | 1 | 004150176 |
| **19,00** | 202 | 135 | 1 | 004150178 |
| **20,00** | 210 | 140 | 1 | 004150180 |

Co8%

| | | |
|---|---|---|
| **415/SP19**<br>Ø 1÷10 x 0,5 mm | 1 | 004150419 |
| **415/SPV1** | 1 | 004150420 |
| **415/SP25**<br>Ø 1÷13 x 0,5 mm | 1 | 004150425 |
| **415/SPV2** | 1 | 004150426 |
| **415/SP49**<br>Ø 1÷13 x 0,25 mm | 1 | 004150431 |
| **415/SPV4** | 1 | 004150432 |

## 415/C116

| | | |
|---|---|---|
| **415/C116** | 1 | 004150450 |

| | | n. |
|---|---|---|
| **415** | Ø 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 4,5 - 5 mm | 10 |
| | Ø 5,5 - 6 - 6,5 - 7 - 7,5 - 8 mm | 3 |
| | Ø 8,5 - 9 - 9,5 - 10 mm | 2 |

365x230x47 mm - 2,7 kg

| | | |
|---|---|---|
| **415/SP91**<br>Ø 1÷10 x 0,10 mm | 1 | 004150460 |

## 415CO

twist drills with cylindrical shanks, short series, HSS-CO 5%, entirely ground

**R ≤ 1200 N/mm²**
**HV ~ 800÷860**

Co5%

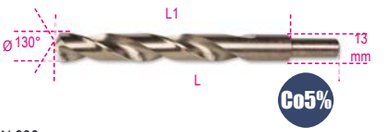
DIN 338 ISO 235

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **1,00** | 34 | 12 | 10 | 004150310 |
| **1,50** | 40 | 18 | 10 | 004150312 |
| **2,00** | 49 | 24 | 10 | 004150314 |
| **2,50** | 57 | 30 | 10 | 004150316 |
| **3,00** | 61 | 33 | 10 | 004150320 |
| **3,50** | 70 | 39 | 10 | 004150322 |
| **4,00** | 75 | 43 | 10 | 004150324 |
| **4,50** | 80 | 47 | 10 | 004150326 |
| **5,00** | 86 | 52 | 10 | 004150328 |
| **5,50** | 93 | 57 | 10 | 004150330 |
| **6,00** | 93 | 57 | 10 | 004150332 |
| **6,50** | 101 | 63 | 10 | 004150334 |
| **7,00** | 109 | 69 | 10 | 004150336 |
| **7,50** | 109 | 69 | 5 | 004150338 |
| **8,00** | 117 | 75 | 5 | 004150340 |
| **8,50** | 117 | 75 | 5 | 004150342 |
| **9,00** | 125 | 81 | 5 | 004150344 |
| **9,50** | 125 | 81 | 5 | 004150346 |
| **10,00** | 133 | 87 | 5 | 004150348 |
| **10,50** | 133 | 87 | 5 | 004150350 |
| **11,00** | 142 | 94 | 5 | 004150352 |
| **11,50** | 142 | 94 | 5 | 004150354 |
| **12,00** | 151 | 101 | 5 | 004150356 |
| **12,50** | 151 | 101 | 5 | 004150358 |
| **13,00** | 151 | 101 | 5 | 004150360 |

## 415CO-A

twist drills with cylindrical shanks, short series, HSS-CO 5%, entirely ground

**R ≤ 1200 N/mm²**
**HV ~ 800÷860**




Co5%

DIN 338

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **14,00** | 160 | 108 | 3 | 004150364 |
| **15,00** | 169 | 114 | 3 | 004150366 |
| **16,00** | 178 | 120 | 3 | 004150368 |
| **17,00** | 184 | 125 | 1 | 004150370 |
| **18,00** | 191 | 130 | 1 | 004150372 |
| **19,00** | 198 | 135 | 1 | 004150374 |
| **20,00** | 205 | 140 | 1 | 004150376 |

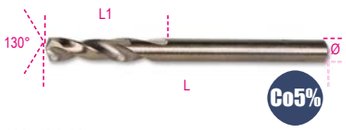
DIN 338

| | | |
|---|---|---|
| **415CO/SP19**<br>Ø 1÷10 x 0,5 mm | 1 | 004150421 |
| **415/SPV1** | 1 | 004150420 |

## 415C

twist drills with cylindrical shanks, extra-short series, HSS-CO 5%, entirely ground

**R ≤ 1200 N/mm²**
**HV ~ 800÷860**



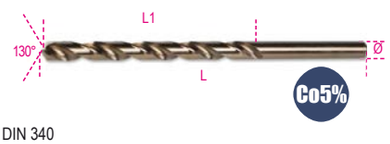

DIN 1897 ISO 235

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **3,00** | 46 | 16 | 10 | 004150288 |
| **3,25** | 49 | 18 | 10 | 004150289 |
| **3,50** | 52 | 20 | 10 | 004150290 |
| **4,00** | 55 | 22 | 10 | 004150292 |
| **4,50** | 58 | 24 | 10 | 004150294 |
| **5,00** | 62 | 26 | 10 | 004150296 |
| **5,50** | 66 | 28 | 10 | 004150298 |
| **6,00** | 66 | 28 | 10 | 004150300 |
| **6,50** | 70 | 31 | 10 | 004150301 |
| **7,00** | 74 | 34 | 10 | 004150302 |
| **7,50** | 74 | 34 | 5 | 004150303 |
| **8,00** | 79 | 37 | 5 | 004150304 |

## 415L

twist drills with cylindrical shanks, long series, HSS-CO 5%, entirely ground

**R ≤ 1200 N/mm²**
**HV ~ 800÷860**



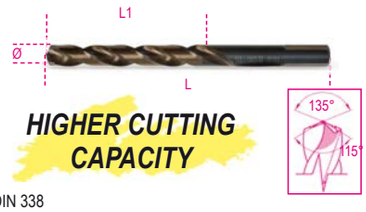

DIN 340

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **3,00** | 100 | 66 | 10 | 004150236 |
| **3,50** | 112 | 73 | 10 | 004150238 |
| **4,00** | 119 | 78 | 10 | 004150240 |
| **4,50** | 126 | 82 | 10 | 004150242 |
| **5,00** | 132 | 87 | 10 | 004150244 |
| **5,50** | 139 | 91 | 10 | 004150246 |
| **6,00** | 139 | 91 | 10 | 004150248 |
| **6,50** | 148 | 97 | 5 | 004150250 |
| **7,00** | 156 | 102 | 5 | 004150252 |
| **8,00** | 165 | 109 | 5 | 004150256 |
| **9,00** | 175 | 115 | 5 | 004150260 |
| **10,00** | 184 | 121 | 5 | 004150264 |

## 416

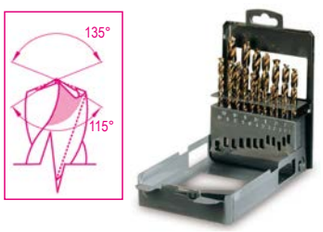
drill with cylindrical shank, specially ground, with two cutter pairs

**R ≤ 900 N/mm²**
**HV  820÷850**




DIN 338

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **1,00** | 34 | 12 | 10 | 004160010 |
| **1,50** | 40 | 18 | 10 | 004160015 |
| **2,00** | 49 | 24 | 10 | 004160020 |
| **2,50** | 57 | 30 | 10 | 004160025 |
| **3,00** | 61 | 33 | 10 | 004160030 |
| **3,50** | 70 | 39 | 10 | 004160035 |
| **4,00** | 75 | 43 | 10 | 004160040 |
| **4,50** | 80 | 47 | 10 | 004160045 |
| **5,00** | 86 | 52 | 10 | 004160050 |
| **5,50** | 93 | 57 | 10 | 004160055 |
| **6,00** | 93 | 57 | 10 | 004160060 |
| **6,50** | 101 | 63 | 10 | 004160065 |
| **7,00** | 109 | 69 | 10 | 004160070 |
| **7,50** | 109 | 69 | 5 | 004160075 |
| **8,00** | 117 | 75 | 5 | 004160080 |
| **8,50** | 117 | 75 | 5 | 004160085 |
| **9,00** | 125 | 81 | 5 | 004160090 |
| **9,50** | 125 | 81 | 5 | 004160095 |
| **10,00** | 133 | 87 | 5 | 004160100 |




| | | |
|---|---|---|
| **416/SP19**<br>Ø 1÷10 x 0,5 mm | 1 | 004160419 |

## 417

helical cylindrical masonry drill bits, short series, made from milled steel with hard metal plates

DIN 8039

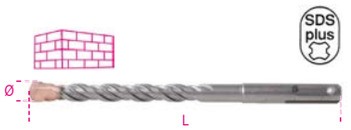
| Ø mm | L mm | | |
|---|---|---|---|
| **3** | 70 | 10 | 004170003 |
| **4** | 75 | 10 | 004170004 |
| **5** | 85 | 10 | 004170005 |
| **5L** | 150 | 5 | 004170105 |
| **6** | 100 | 10 | 004170007 |
| **6L** | 150 | 5 | 004170106 |
| **7** | 120 | 10 | 004170009 |
| **8** | 120 | 10 | 004170010 |
| **8L** | 200 | 5 | 004170113 |
| **9** | 120 | 10 | 004170011 |
| **10** | 120 | 10 | 004170012 |
| **10L** | 200 | 5 | 004170120 |
| **12** | 150 | 10 | 004170014 |
| **12L** | 200 | 5 | 004170125 |
| **14** | 150 | 5 | 004170016 |
| **16** | 150 | 5 | 004170018 |

| | | |
|---|---|---|
| **417/SP8**<br>Ø 3-4-5-6-8-9-10-12 mm | 1 | 004170100 |

## 419

hammer drill bits with milled shanks and hard metal plates

**HVA~ 1650**



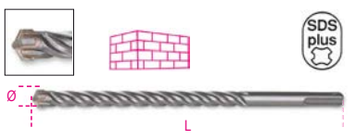

DIN 8039

| Ø mm | L mm | | |
|---|---|---|---|
| **4** | 110 | 10 | 004190002 |
| **5** | 110 | 10 | 004190004 |
| **5** | 160 | 10 | 004190006 |
| **6** | 110 | 10 | 004190012 |
| **6** | 160 | 10 | 004190014 |
| **6** | 210 | 10 | 004190016 |
| **7** | 160 | 10 | 004190028 |
| **8** | 110 | 10 | 004190030 |
| **8** | 160 | 10 | 004190032 |
| **8** | 210 | 10 | 004190034 |
| **8** | 260 | 10 | 004190036 |
| **8** | 310 | 10 | 004190038 |
| **8** | 460 | 10 | 004190042 |
| **9** | 160 | 5 | 004190044 |
| **10** | 160 | 5 | 004190050 |
| **10** | 210 | 5 | 004190052 |
| **10** | 260 | 5 | 004190054 |
| **10** | 310 | 5 | 004190056 |
| **10** | 460 | 5 | 004190060 |
| **12** | 160 | 5 | 004190064 |
| **12** | 210 | 5 | 004190066 |
| **12** | 260 | 5 | 004190068 |
| **12** | 460 | 5 | 004190074 |
| **14** | 160 | 3 | 004190086 |
| **14** | 260 | 3 | 004190090 |
| **14** | 310 | 3 | 004190092 |
| **14** | 460 | 3 | 004190096 |
| **16** | 210 | 3 | 004190112 |
| **16** | 250 | 3 | 004190114 |
| **16** | 300 | 3 | 004190116 |
| **16** | 450 | 3 | 004190120 |
| **18** | 250 | 1 | 004190124 |
| **20** | 310 | 1 | 004190128 |

## 419T

hammer drill bits
with milled shanks, 4 spirals and 4 cutters

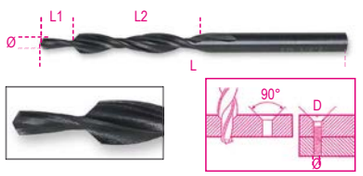
**HVA~ 1650**




| Ø mm | L mm | | |
|---|---|---|---|
| **5** | 110 | 5 | 004190604 |
| **5** | 160 | 5 | 004190606 |
| **6** | 110 | 5 | 004190612 |
| **6** | 160 | 5 | 004190614 |
| **6** | 210 | 5 | 004190616 |
| **7** | 160 | 5 | 004190628 |
| **8** | 110 | 5 | 004190630 |
| **8** | 160 | 5 | 004190632 |
| **8** | 210 | 5 | 004190634 |
| **8** | 260 | 5 | 004190636 |
| **8** | 310 | 5 | 004190638 |
| **9** | 160 | 3 | 004190644 |
| **10** | 160 | 3 | 004190650 |
| **10** | 210 | 3 | 004190652 |
| **10** | 260 | 3 | 004190654 |
| **10** | 310 | 3 | 004190656 |
| **10** | 460 | 3 | 004190660 |
| **12** | 160 | 3 | 004190664 |
| **12** | 210 | 3 | 004190666 |
| **12** | 260 | 3 | 004190668 |
| **12** | 460 | 3 | 004190674 |
| **14** | 160 | 2 | 004190686 |
| **14** | 260 | 2 | 004190690 |
| **14** | 310 | 2 | 004190692 |
| **14** | 460 | 2 | 004190696 |
| **16** | 210 | 2 | 004190712 |
| **16** | 260 | 2 | 004190714 |
| **16** | 310 | 2 | 004190716 |
| **16** | 460 | 2 | 004190720 |
| **18** | 260 | 1 | 004190724 |
| **20** | 310 | 1 | 004190728 |

## 420A

subland twist drills with independent spirals,
for screw holes, 90°,
HSS,
for through holes

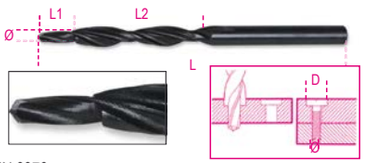



DIN 8374

| M | Ø mm | D mm | L1 mm | L2 mm | L mm | | |
|---|---|---|---|---|---|---|---|
| **3** | 3,2 | 6 | 9,00 | 57,00 | 93,00 | 1 | 004200003 |
| **4** | 4,3 | 8 | 11,00 | 75,00 | 117,00 | 1 | 004200004 |
| **5** | 5,3 | 10 | 13,00 | 87,00 | 133,00 | 1 | 004200005 |
| **6** | 6,4 | 11,5 | 15,00 | 94,00 | 142,00 | 1 | 004200006 |
| **8** | 8,4 | 15 | 19,00 | 114,00 | 169,00 | 1 | 004200008 |
| **10** | 10,5 | 19 | 23,00 | 135,00 | 198,00 | 1 | 004200010 |

## 420B

subland twist drills with independent spirals for screw holes, 180°,
HSS,
for through holes

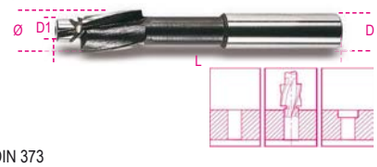



DIN 8376

| M | Ø mm | D mm | L1 mm | L2 mm | L mm | | |
|---|---|---|---|---|---|---|---|
| **3** | 3,4 | 6 | 9,00 | 57,00 | 93,00 | 1 | 004200053 |
| **4** | 4,5 | 8 | 11,00 | 75,00 | 117,00 | 1 | 004200054 |
| **5** | 5,5 | 10 | 13,00 | 87,00 | 133,00 | 1 | 004200055 |
| **6** | 6,6 | 11 | 15,00 | 94,00 | 142,00 | 1 | 004200056 |
| **8** | 9 | 15 | 19,00 | 114,00 | 169,00 | 1 | 004200058 |
| **10** | 11 | 18 | 23,00 | 130,00 | 191,00 | 1 | 004200060 |

## 421

countersinks with guide pins,
fine grade,
made of HSS




DIN 373

| M | L mm | Ø mm | D1 mm | D mm | | |
|---|---|---|---|---|---|---|
| **3** | 71 | 6 | 3,2 | 5 | 1 | 004210003 |
| **4** | 71 | 8 | 4,3 | 5 | 1 | 004210004 |
| **5** | 80 | 10 | 5,3 | 8 | 1 | 004210005 |
| **6** | 80 | 11 | 6,4 | 8 | 1 | 004210006 |
| **8** | 100 | 15 | 8,4 | 12,5 | 1 | 004210008 |
| **10** | 100 | 18 | 10,5 | 12,5 | 1 | 004210010 |
| **12** | 100 | 20 | 13,0 | 12,5 | 1 | 004210012 |

| | | | |
|---|---|---|---|
| **421/SP6**<br>M 3-4-5-6-8-10 | 1 | 004210019 |
| **421/SPV** | 1 | 004210020 |

## 422

ground centre drill bits,
60° countersink angle,
made of HSS

**• For quick, safe centre holes**

DIN 333/A

| Ø mm | D mm | L mm | | |
|---|---|---|---|---|
| **1,60** | 4,0 | 35,5 | 1 | 004220116 |
| **2,50** | 6,3 | 45,0 | 1 | 004220125 |
| **3,15** | 8,0 | 50,0 | 1 | 004220131 |

## 423

special end mills for welding
HSS ground

| Ø mm | L mm | | |
|---|---|---|---|
| **6** | 66 | 5 | 004230006 |
| **7** | 74 | 5 | 004230007 |
| **8** | 79 | 5 | 004230008 |
| **10** | 89 | 5 | 004230010 |

## 423A

special mills for spot welding,
HSS ground

DIN 1412/E

| Ø mm | L mm | | |
|---|---|---|---|
| **6,5** | 40 | 1 | 004230015 |
| **8,0** | 40 | 1 | 004230020 |

## 424

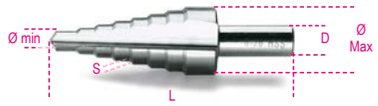
conical drill bits, HSS

| | L mm | Ø mm | D mm | | |
|---|---|---|---|---|---|
| **424/1** | 58 | 3÷14 | 6 | 2 | 004240001 |
| **424/2** | 63 | 6÷20 | 8 | 2 | 004240002 |
| **424/3** | 60 | 16÷30 | 10 | 2 | 004240003 |
| **424/4** | 80 | 3÷22 | 8 | 1 | 004240004 |
| **424/5** | 102 | 3÷31 | 10 | 1 | 004240005 |
| **424/6** | 86 | 26÷40 | 13 | 1 | 004240006 |
| **424/7** | 89 | 36÷50 | 13 | 1 | 004240007 |
| **424/8** | 90 | 40÷61 | 13 | 1 | 004240008 |

| | | |
|---|---|---|
| **424/SP3**<br>424/1+424/2+424/3<br>Ø 3÷30 mm | 1 | 004240019 |
| **424/SPV** | 1 | 004240020 |

# 425

stepped drills, HSS




| | L mm | Ø mm | S mm | D mm | | |
|---|---|---|---|---|---|---|
| **425/1** | 70 | 4÷12 | 1 | 6 | 2 | 004250010 |
| **425/2** | 55 | 4÷12 | 2 | 6 | 2 | 004250012 |
| **425/3** | 85 | 4÷20 | 2 | 10 | 2 | 004250015 |
| **425/4** | 85 | 12÷20 | 1 | 10 | 1 | 004250016 |
| **425/5** | 97 | 20÷30 | 1 | 10 | 1 | 004250017 |
| **425/6** | 75 | 4÷30 | 2 | 10 | 1 | 004250020 |
| **425/7** | 97 | 30÷40 | 1 | 13 | 1 | 004250025 |
| **425/8** | 100 | 40÷50 | 1 | 13 | 1 | 004250029 |

| | | |
|---|---|---|
| **425/SP3**<br>425/1+425/3+425/6<br>Ø 4÷30 mm | 1 | 004250030 |
| **425/SPV** | 1 | 004250035 |

# 426

countersinking cutters with three cutters, HSS

DIN 335-C

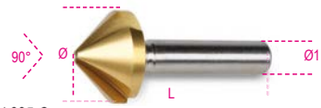
| GR | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **1** | 4,3 | 44 | 4 | 3 | 004260001 |
| **2** | 5,3 | 44 | 4 | 3 | 004260002 |
| **3** | 6,3 | 44 | 5 | 3 | 004260003 |
| **4** | 7,3 | 44 | 6 | 3 | 004260004 |
| **5** | 8,3 | 50 | 6 | 3 | 004260005 |
| **6** | 9,4 | 50 | 6 | 3 | 004260006 |
| **7** | 10,4 | 54 | 6 | 3 | 004260007 |
| **8** | 12,4 | 54 | 8 | 3 | 004260008 |
| **9** | 15,0 | 56 | 10 | 3 | 004260009 |
| **10** | 16,5 | 60 | 10 | 3 | 004260010 |
| **11** | 20,5 | 63 | 10 | 3 | 004260011 |
| **12** | 25,0 | 66 | 10 | 3 | 004260012 |
| **13** | 28,0 | 71 | 12 | 3 | 004260013 |
| **14** | 31,0 | 71 | 12 | 3 | 004260014 |

DIN 335-C

| | | |
|---|---|---|
| **426/SP6**<br>GR 3-5-7-8-10-11<br>Ø 6,3÷20,5 mm | 1 | 004260030 |
| **426/SPV** | 1 | 004260035 |

# 426T

countersinking cutters with three cutters, HSS + TiN




DIN 335-C

| GR | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **1** | 4,3 | 44 | 4 | 3 | 004260061 |
| **2** | 5,3 | 44 | 4 | 3 | 004260062 |
| **3** | 6,3 | 44 | 5 | 3 | 004260063 |
| **4** | 7,3 | 44 | 6 | 3 | 004260064 |
| **5** | 8,3 | 50 | 6 | 3 | 004260065 |
| **6** | 9,4 | 50 | 6 | 3 | 004260066 |
| **7** | 10,4 | 54 | 6 | 3 | 004260067 |
| **8** | 12,4 | 54 | 8 | 3 | 004260068 |
| **9** | 15,0 | 56 | 10 | 3 | 004260069 |
| **10** | 16,5 | 60 | 10 | 3 | 004260070 |
| **11** | 20,5 | 63 | 10 | 3 | 004260071 |
| **12** | 25,0 | 66 | 10 | 3 | 004260072 |
| **13** | 28,0 | 71 | 12 | 3 | 004260073 |
| **14** | 31,0 | 71 | 12 | 3 | 004260074 |

DIN 335-C

| | | |
|---|---|---|
| **426T/SP6**<br>GR 3-5-7-8-10-11<br>Ø 6,3÷20,5 mm | 1 | 004260080 |
| **426/SPV** | 1 | 004260035 |

# 426SB

countersinking cutters, HSS

| | GR | Ø mm | D mm | L mm | | |
|---|---|---|---|---|---|---|
| **426/SB1** | 1 | 2÷5 | 6 | 45 | 1 | 004260101 |
| **426/SB2** | 2 | 5÷10 | 8 | 48 | 1 | 004260102 |
| **426/SB3** | 3 | 10÷15 | 10 | 65 | 1 | 004260103 |
| **426/SB4** | 4 | 15÷20 | 12 | 85 | 1 | 004260104 |
| **426/SB5** | 5 | 20÷25 | 15 | 102 | 1 | 004260105 |
| **426/SB6** | 6 | 25÷30 | 15 | 115 | 1 | 004260106 |

| | | |
|---|---|---|
| **426SB/SP4**<br>426/SB1-426/SB2<br>426/SB3-426/SB4<br>Ø 2÷20 mm | 1 | 004260130 |
| **426SB/SPV1** | 1 | 004260135 |

# 426MD-3/CP3

mini rotary cutters made from hard metal

- **Smooth cross cut with chip breaker**

| L mm | Ø mm | | |
|---|---|---|---|
| **38,1** | 3 | 1 | 004260332 |

# 426MD-3/CT3

mini rotary cutters made from hard metal

- **Smooth cross cut with chip breaker**

| L mm | Ø mm | | |
|---|---|---|---|
| **37,8** | 3 | 1 | 004260333 |

# 426MD-3/F3

mini rotary cutters made from hard metal

- **Smooth cross cut with chip breaker**

| L mm | Ø mm | | |
|---|---|---|---|
| **38,3** | 3 | 1 | 004260334 |

# 426MD-3/FA3

mini rotary cutters made from hard metal

- **Smooth cross cut with chip breaker**

| L mm | Ø mm | | |
|---|---|---|---|
| **38,2** | 3 | 1 | 004260339 |

# 426MD-3/OG3

mini rotary cutters made from hard metal

- **Smooth cross cut with chip breaker**

| L mm | Ø mm | | |
|---|---|---|---|
| **38,1** | 3 | 1 | 004260337 |

## 426MD-3/OV3
mini rotary cutters made from hard metal

• Smooth cross cut with chip breaker

| L mm | Ø mm | | |
|---|---|---|---|
| 38,2 | 3 | 1 | 004260331 |

## 426MD-3/S3
mini rotary cutters made from hard metal

• Smooth cross cut with chip breaker

| L mm | Ø mm | | |
|---|---|---|---|
| 38,0 | 3 | 1 | 004260338 |

## 426MD-3/T3
mini rotary cutters made from hard metal

• Smooth cross cut with chip breaker

| L mm | Ø mm | | |
|---|---|---|---|
| 38,3 | 3 | 1 | 004260336 |

## 426MD-3/TA3
mini rotary cutters made from hard metal

• Smooth cross cut with chip breaker

| L mm | Ø mm | | |
|---|---|---|---|
| 38,3 | 3 | 1 | 004260335 |

| | | |
|---|---|---|
| **426MD-3/A9**<br>426MD-3/OV3 - 426MD-3/CP3<br>426MD-3/CT3 - 426MD-3/F3<br>426MD-3/TA3 - 426MD-3/T3<br>426MD-3/OG3 - 426MD-3/S3<br>426MD-3/FA3 | 1 | 004260349 |

## 426MD/CP
rotary files, made from hard metal

cross cut HM6

| L mm | Ø mm | | |
|---|---|---|---|
| 50 | 6 | 1 | 004260532 |
| 63 | 8 | 1 | 004260512 |
| 63 | 9,5 | 1 | 004260542 |
| 69 | 12 | 1 | 004260522 |
| 69 | 16 | 1 | 004260552 |

## 426MD/CT
rotary files, made from hard metal

cross cut HM6

| L mm | Ø mm | | |
|---|---|---|---|
| 50 | 6 | 1 | 004260533 |
| 63 | 8 | 1 | 004260513 |
| 63 | 9,5 | 1 | 004260543 |
| 69 | 12 | 1 | 004260523 |
| 69 | 16 | 1 | 004260553 |

## 426MD/F
rotary files, made from hard metal

cross cut HM6

| L mm | Ø mm | | |
|---|---|---|---|
| 50 | 6 | 1 | 004260534 |
| 63 | 8 | 1 | 004260514 |
| 63 | 9,5 | 1 | 004260544 |
| 69 | 12 | 1 | 004260524 |
| 69 | 16 | 1 | 004260554 |

## 426MD/FA
rotary files, made from hard metal

cross cut HM6

| L mm | Ø mm | | |
|---|---|---|---|
| 50 | 6 | 1 | 004260539 |
| 63 | 8 | 1 | 004260519 |
| 63 | 9,5 | 1 | 004260549 |
| 69 | 12 | 1 | 004260529 |
| 69 | 16 | 1 | 004260559 |

## 426MD/OG
rotary files, made from hard metal

cross cut HM6

| L mm | Ø mm | | |
|---|---|---|---|
| 50 | 6 | 1 | 004260537 |
| 63 | 8 | 1 | 004260517 |
| 70 | 10 | 1 | 004260547 |
| 76 | 12 | 1 | 004260527 |
| 81 | 16 | 1 | 004260557 |

## 426MD/OV
rotary files, made from hard metal

cross cut HM6

| L mm | Ø mm | | |
|---|---|---|---|
| 50 | 6 | 1 | 004260531 |
| 61 | 9,5 | 1 | 004260541 |
| 67 | 12 | 1 | 004260521 |
| 69 | 16 | 1 | 004260551 |

## 426MD/S
rotary files, made from hard metal

cross cut HM6

| L mm | Ø mm | | |
|---|---|---|---|
| 50 | 6 | 1 | 004260538 |
| 51 | 8 | 1 | 004260518 |
| 53 | 9,5 | 1 | 004260548 |
| 56 | 12 | 1 | 004260528 |
| 59 | 16 | 1 | 004260558 |

## 426MD/T
rotary files, made from hard metal

cross cut HM6

| L mm | Ø mm | | |
|---|---|---|---|
| 50 | 6 | 1 | 004260536 |
| 63 | 8 | 1 | 004260516 |
| 63 | 9,5 | 1 | 004260546 |
| 69 | 12 | 1 | 004260526 |
| 70 | 16 | 1 | 004260556 |

## 426MD/TA
rotary files, made from hard metal

cross cut HM6

| L mm | Ø mm | | |
|---|---|---|---|
| 50 | 6 | 1 | 004260535 |
| 67 | 8 | 1 | 004260515 |
| 72 | 9,5 | 1 | 004260545 |
| 73 | 12 | 1 | 004260525 |
| 78 | 16 | 1 | 004260555 |

| | | |
|---|---|---|
| **426MD/SP10**<br>426MD/CP-426MD/CT-426MD/F<br>426MD/T-426MD/S<br>ø 8-12 mm | 1 | 004260510 |

## 427
morse taper extractors

DIN 317

| GR | L mm | A mm | | |
|---|---|---|---|---|
| **0** | 92 | 13 | 3 | 004270000 |
| **1-2** | 140 | 19 | 3 | 004270002 |
| **3** | 190 | 25 | 3 | 004270003 |
| **4** | 225 | 30 | 3 | 004270004 |
| **5-6** | 260 | 35 | 3 | 004270006 |

## 428FP
machine taps for clearance holes, coarse pitch threads, HSS

ISO 529

| M | ■ mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **3x0,5** | 2,7 | 56 | 11 | 10 | 004280003 |
| **4x0,7** | 3,4 | 63 | 13 | 10 | 004280004 |
| **5x0,8** | 4,9 | 70 | 16 | 10 | 004280005 |
| **6x1** | 4,9 | 80 | 19 | 10 | 004280006 |
| **8x1,25** | 6,2 | 90 | 22 | 10 | 004280008 |
| **10x1,5** | 8,0 | 100 | 24 | 10 | 004280010 |
| **12x1,75** | 7,0 | 110 | 29 | 5 | 004280012 |
| **14x2** | 9,0 | 110 | 30 | 5 | 004280014 |
| **16x2** | 9,0 | 110 | 30 | 5 | 004280016 |
| **18x2,5** | 11,0 | 125 | 34 | 3 | 004280018 |
| **20x2,5** | 12,0 | 140 | 34 | 3 | 004280020 |
| **22x2,5** | 14,5 | 140 | 34 | 3 | 004280022 |
| **24x3** | 14,5 | 160 | 38 | 3 | 004280024 |

## 428FC
machine taps for blind holes, coarse pitch threads, HSS

ISO 529

| M | ■ mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **3x0,5** | 2,7 | 56 | 11 | 10 | 004280103 |
| **4x0,7** | 3,4 | 63 | 13 | 10 | 004280104 |
| **5x0,8** | 4,9 | 70 | 16 | 10 | 004280105 |
| **6x1** | 4,9 | 80 | 19 | 10 | 004280106 |
| **8x1,25** | 6,2 | 90 | 22 | 10 | 004280108 |
| **10x1,5** | 8,0 | 100 | 24 | 10 | 004280110 |
| **12x1,75** | 7,0 | 110 | 29 | 5 | 004280112 |
| **14x2** | 9,0 | 110 | 30 | 5 | 004280114 |
| **16x2** | 9,0 | 110 | 30 | 5 | 004280116 |
| **18x2,5** | 11,0 | 125 | 34 | 3 | 004280118 |
| **20x2,5** | 12,0 | 140 | 34 | 3 | 004280120 |
| **22x2,5** | 14,5 | 140 | 34 | 3 | 004280122 |
| **24x3** | 14,5 | 160 | 38 | 3 | 004280124 |

## 428/C14
assortment of 14 machine taps
items 428FP + 428FC

| | | |
|---|---|---|
| **428/C14**<br>428FP M3÷12<br>428FC M3÷12 | 1 | 004280201 |
| **428/SPV** | 1 | 004280202 |

## 429FP
machine taps for clearance holes, coarse pitch threads HSS-CO 5%

ISO 529

| M | ■ mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **3x0,5** | 2,7 | 56 | 11 | 5 | 004290003 |
| **4x0,7** | 3,4 | 63 | 13 | 5 | 004290004 |
| **5x0,8** | 4,9 | 70 | 16 | 5 | 004290005 |
| **6x1** | 4,9 | 80 | 19 | 5 | 004290006 |
| **8x1,25** | 6,2 | 90 | 22 | 5 | 004290008 |
| **10x1,5** | 8,0 | 100 | 24 | 5 | 004290010 |
| **12x1,75** | 7,0 | 110 | 29 | 5 | 004290012 |
| **14x2** | 9,0 | 110 | 30 | 5 | 004290014 |

## 429FC
machine taps for blind holes, coarse pitch threads HSS-CO 5%

ISO 529

| M | ■ mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **3x0,5** | 2,7 | 56 | 11 | 5 | 004290103 |
| **4x0,7** | 3,4 | 63 | 13 | 5 | 004290104 |
| **5x0,8** | 4,9 | 70 | 16 | 5 | 004290105 |
| **6x1** | 4,9 | 80 | 19 | 5 | 004290106 |
| **8x1,25** | 6,2 | 90 | 22 | 5 | 004290108 |
| **10x1,5** | 8,0 | 100 | 24 | 5 | 004290110 |
| **12x1,75** | 7,0 | 110 | 29 | 5 | 004290112 |
| **14x2** | 9,0 | 110 | 30 | 5 | 004290114 |

## 429/C14
assortment of 14 machine taps
items 429FP + 429FC

| | | |
|---|---|---|
| **429/C14**<br>429FP M3÷12<br>429FC M3÷12 | 1 | 004290201 |
| **428/SPV** | 1 | 004280202 |

## 430
hand taps, **coarse pitch**, metric thread made from chrome-steel

DIN 352 UNI 4535

| M | ■ mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **2x0,4** | 2,5 | 36 | 11 | 5 | 004300002 |
| **3x0,5** | 2,5 | 40 | 12 | 5 | 004300003 |
| **4x0,7** | 3,0 | 45 | 14 | 5 | 004300004 |
| **5x0,8** | 4,0 | 48 | 16 | 5 | 004300005 |
| **6x1** | 5,0 | 50 | 18 | 5 | 004300006 |
| **7x1** | 4,5 | 50 | 18 | 5 | 004300007 |
| **8x1,25** | 5,0 | 56 | 22 | 3 | 004300008 |
| **9x1,25** | 5,5 | 63 | 22 | 3 | 004300009 |
| **10x1,5** | 6,0 | 70 | 25 | 3 | 004300010 |
| **11x1,5** | 7,0 | 70 | 25 | 3 | 004300011 |
| **12x1,75** | 7,0 | 75 | 30 | 3 | 004300012 |
| **14x2** | 8,0 | 80 | 32 | 3 | 004300014 |
| **16x2** | 10,0 | 80 | 32 | 3 | 004300016 |
| **18x2,5** | 11,0 | 95 | 40 | 1 | 004300018 |
| **20x2,5** | 12,0 | 95 | 40 | 1 | 004300020 |
| **22x2,5** | 14,5 | 100 | 40 | 1 | 004300022 |
| **24x3** | 14,5 | 110 | 50 | 1 | 004300024 |

| | | |
|---|---|---|
| **430/SP21**<br>M 3-4-5-6-8-10-12 | 1 | 004300201 |
| **430/SPV** | 1 | 004300202 |

## 430ASW

hand taps, **Whitworth** thread
made from chrome-steel

DIN 352

| BSW | ■ mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 1/8x40 | 2,7 | 40 | 12 | 5 | 004300031 |
| 5/32x32 | 3,4 | 45 | 14 | 5 | 004300032 |
| 3/16x24 | 4,3 | 48 | 18 | 5 | 004300033 |
| 1/4x20 | 4,9 | 50 | 22 | 5 | 004300034 |
| 5/16x18 | 4,9 | 56 | 25 | 3 | 004300035 |
| 3/8x16 | 5,5 | 70 | 28 | 3 | 004300036 |
| 7/16x14 | 6,2 | 70 | 30 | 3 | 004300037 |
| 1/2x12 | 7,0 | 75 | 32 | 3 | 004300038 |
| 9/16x12 | 9,0 | 80 | 32 | 1 | 004300039 |
| 5/8x11 | 9,0 | 80 | 38 | 1 | 004300040 |
| 3/4x10 | 11,0 | 95 | 40 | 1 | 004300041 |
| 7/8x9 | 14,5 | 100 | 40 | 1 | 004300042 |
| 1"x8 | 16,0 | 110 | 50 | 1 | 004300043 |

## 430ASC

hand taps, **UNC** thread
made from chrome-steel

ANSI B1.1

| UNC | ■ mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 1/4x20 | 4,9 | 70 | 30 | 5 | 004300051 |
| 5/16x18 | 4,9 | 70 | 30 | 5 | 004300052 |
| 3/8x16 | 5,5 | 75 | 35 | 3 | 004300053 |
| 7/16x14 | 6,2 | 80 | 40 | 3 | 004300054 |
| 1/2x13 | 7,0 | 85 | 45 | 3 | 004300055 |
| 9/16x12 | 9,0 | 90 | 45 | 3 | 004300056 |
| 5/8x11 | 9,0 | 100 | 47 | 3 | 004300057 |
| 3/4x10 | 11,0 | 110 | 50 | 3 | 004300058 |
| 7/8x9 | 14,5 | 120 | 60 | 1 | 004300059 |
| 1"x8 | 16,0 | 130 | 60 | 1 | 004300060 |

## 431

hand taps, **coarse pitch**,
metric thread HSS

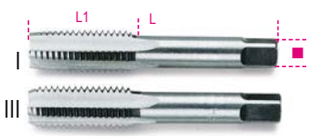
DIN 352 UNI 4535

| M | ■ mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 3x0,5 | 2,5 | 40 | 12 | 5 | 004310003 |
| 4x0,7 | 3,0 | 45 | 14 | 5 | 004310004 |
| 5x0,8 | 4,0 | 48 | 16 | 5 | 004310005 |
| 6x1 | 5,0 | 50 | 18 | 5 | 004310006 |
| 7x1 | 5,0 | 50 | 18 | 5 | 004310007 |
| 8x1,25 | 5,0 | 56 | 22 | 3 | 004310008 |
| 10x1,5 | 6,0 | 70 | 25 | 3 | 004310010 |
| 12x1,75 | 7,0 | 75 | 30 | 3 | 004310012 |
| 14x2 | 9,0 | 80 | 32 | 1 | 004310014 |
| 16x2 | 9,0 | 80 | 32 | 1 | 004310016 |
| 18x2,5 | 11,0 | 95 | 40 | 1 | 004310018 |
| 20x2,5 | 12,0 | 95 | 40 | 1 | 004310020 |
| 22x2,5 | 12,0 | 100 | 40 | 1 | 004310022 |
| 24x3 | 14,5 | 110 | 50 | 1 | 004310024 |

| | | |
|---|---|---|
| **431/SP21**<br>M 3-4-5-6-8-10-12 | 1 | 004310201 |
| **431/SPV** | 1 | 004310202 |

## 433

hand taps, **fine pitch**, metric thread
made from chrome-steel




DIN 2181 UNI 4535

| M | ■ mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 6x0,75 | 4,5 | 48 | 16 | 5 | 004330201 |
| 7x0,75 | 4,5 | 56 | 18 | 5 | 004330202 |
| 8x0,75 | 5,0 | 50 | 16 | 5 | 004330203 |
| 8x1 | 5,0 | 56 | 16 | 5 | 004330204 |
| 9x0,75 | 6,0 | 63 | 22 | 5 | 004330205 |
| 9x1 | 6,0 | 63 | 22 | 5 | 004330206 |
| 10x0,75 | 6,5 | 63 | 18 | 5 | 004330207 |
| 10x1 | 6,5 | 63 | 18 | 5 | 004330208 |
| 10x1,25 | 6,5 | 63 | 18 | 5 | 004330209 |
| 11x0,75 | 7,0 | 70 | 25 | 3 | 004330210 |
| 11x1 | 7,0 | 70 | 25 | 3 | 004330211 |
| 11x1,25 | 7,0 | 70 | 25 | 3 | 004330212 |
| 12x0,75 | 7,0 | 70 | 20 | 3 | 004330213 |
| 12x1 | 7,0 | 70 | 20 | 3 | 004330214 |
| 12x1,25 | 7,0 | 70 | 20 | 3 | 004330215 |
| 12x1,5 | 7,0 | 70 | 20 | 3 | 004330216 |
| 14x1 | 8,0 | 80 | 32 | 1 | 004330217 |
| 14x1,25 | 8,0 | 80 | 32 | 1 | 004330218 |
| 14x1,5 | 8,0 | 80 | 32 | 1 | 004330219 |
| 16x1 | 10,0 | 80 | 32 | 1 | 004330220 |
| 16x1,5 | 10,0 | 80 | 32 | 1 | 004330221 |
| 18x1,5 | 11,0 | 95 | 40 | 1 | 004330222 |
| 18x2 | 11,0 | 80 | 25 | 1 | 004330223 |
| 20x1,5 | 14,5 | 80 | 22 | 1 | 004330224 |
| 22x1,5 | 14,5 | 80 | 22 | 1 | 004330225 |
| 24x1,5 | 14,5 | 80 | 22 | 1 | 004330226 |
| 24x2 | 14,5 | 80 | 22 | 1 | 004330227 |

## 433ASF

hand taps, **fine pitch**, UNF thread
made from chrome-steel

ANSI B1.1

| UNF | ■ mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 1/4x28 | 4,9 | 70 | 30 | 5 | 004330301 |
| 5/16x24 | 4,9 | 70 | 30 | 5 | 004330302 |
| 3/8x24 | 5,5 | 75 | 35 | 3 | 004330303 |
| 7/16x20 | 6,2 | 80 | 40 | 3 | 004330304 |
| 1/2x20 | 7,0 | 85 | 45 | 3 | 004330305 |
| 9/16x18 | 9,0 | 90 | 45 | 3 | 004330306 |
| 5/8x18 | 9,0 | 100 | 47 | 3 | 004330307 |
| 3/4x16 | 11,0 | 110 | 50 | 3 | 004330308 |
| 7/8x14 | 14,5 | 120 | 60 | 1 | 004330309 |
| 1"x12 | 16,0 | 130 | 60 | 1 | 004330310 |

## 433ASG

hand taps, cylindrical **GAS** (BSP) thread
made from chrome-steel

DIN 5157

| GAS | ■ mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 1/8x28 | 5,5 | 65 | 18 | 1 | 004330401 |
| 1/4x19 | 9,0 | 70 | 24 | 1 | 004330402 |
| 3/8x19 | 9,0 | 75 | 25 | 1 | 004330403 |
| 1/2x14 | 12,0 | 80 | 31 | 1 | 004330405 |
| 3/4x14 | 16,0 | 90 | 33 | 1 | 004330408 |
| 1"x11 | 20,0 | 100 | 39 | 1 | 004330410 |

## 434

hand taps, **fine pitch**, metric thread HSS

DIN 2181 UNI 4535

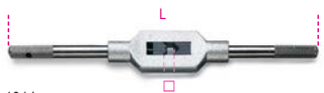
| M | ■ mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 6x0,75 | 4,5 | 48 | 16 | 5 | 004340001 |
| 8x0,75 | 5,0 | 56 | 16 | 5 | 004340003 |
| 8x1 | 5,0 | 56 | 16 | 5 | 004340004 |
| 10x0,75 | 6,5 | 63 | 18 | 5 | 004340007 |
| 10x1 | 6,5 | 63 | 18 | 5 | 004340008 |
| 10x1,25 | 6,5 | 63 | 18 | 5 | 004340009 |
| 12x1 | 7,0 | 70 | 20 | 3 | 004340014 |
| 12x1,25 | 7,0 | 70 | 20 | 3 | 004340015 |
| 12x1,5 | 7,0 | 70 | 20 | 3 | 004340016 |
| 13x1,5 | 9,0 | 70 | 20 | 1 | 004340017 |
| 14x1 | 9,0 | 70 | 20 | 1 | 004340018 |
| 14x1,25 | 9,0 | 70 | 20 | 1 | 004340019 |
| 14x1,5 | 9,0 | 70 | 20 | 1 | 004340020 |
| 15x1,5 | 9,0 | 70 | 20 | 1 | 004340021 |
| 16x1 | 9,0 | 70 | 20 | 1 | 004340022 |
| 16x1,5 | 9,0 | 70 | 20 | 1 | 004340023 |
| 18x1,5 | 11,0 | 80 | 22 | 1 | 004340024 |
| 18x2 | 11,0 | 90 | 25 | 1 | 004340025 |
| 20x1,25 | 12,0 | 80 | 22 | 1 | 004340026 |
| 20x1,5 | 12,0 | 80 | 22 | 1 | 004340027 |
| 20x2 | 12,0 | 90 | 25 | 1 | 004340028 |
| 22x1,5 | 14,5 | 80 | 22 | 1 | 004340029 |
| 24x1 | 14,5 | 80 | 22 | 1 | 004340030 |
| 24x1,5 | 14,5 | 80 | 22 | 1 | 004340031 |
| 24x2 | 14,5 | 80 | 22 | 1 | 004340032 |

## 435
adjustable tap wrenches, steel body

DIN 1814

| | □ mm | L mm | | |
|---|---|---|---|---|
| **435/0** | 2÷5 M1÷M8 | 170 | 3 | 004350007 |
| **435/1** | 2÷6 M1÷M10 | 200 | 2 | 004350009 |
| **435/1,5** | 2,5÷6 M1÷M12 | 200 | 2 | 004350011 |
| **435/2** | 3÷7 M4÷M12 | 260 | 2 | 004350013 |
| **435/3** | 4÷12 M5÷M20 | 345 | 1 | 004350020 |
| **435/4** | 5,5÷16 M9÷M27 | 430 | 1 | 004350027 |
| **435/5** | 7÷18 M13÷M32 | 770 | 1 | 004350032 |

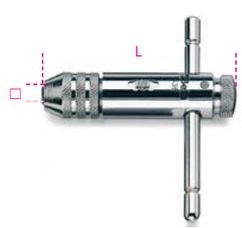
## 435G
adjustable tap wrenches, light alloy body



DIN 1814

| | □ mm | L mm | | |
|---|---|---|---|---|
| **435G/0** | 2÷5 M1÷M8 | 130 | 5 | 004350108 |
| **435G/1** | 2÷6 M1÷M10 | 190 | 5 | 004350110 |
| **435G/1,5** | 2÷7 M2÷M12 | 175 | 5 | 004350112 |
| **435G/2** | 3,4÷7 M4÷M12 | 280 | 5 | 004350114 |
| **435G/3** | 4,9÷12 M5÷M20 | 380 | 2 | 004350121 |
| **435G/4** | 7÷16 M11÷M27 | 500 | 2 | 004350127 |
| **435G/5** | 7÷18 M13÷M32 | 700 | 1 | 004350132 |
| **435G/6** | 11÷24 M18÷M42 | 800 | 1 | 004350142 |

## 436
reversible ratcheting tap wrenches



| | □ mm | L mm | | |
|---|---|---|---|---|
| **436/1** | 2÷5 M3÷M8 | 85 | 5 | 004360002 |
| **436/2** | 4,6÷8 M5÷M12 | 110 | 5 | 004360004 |

## 436L
reversible ratcheting tap wrenches, long series

| | □ mm | L mm | | |
|---|---|---|---|---|
| **436L/1** | 2÷5 M3÷M8 | 245 | 2 | 004360012 |
| **436L/2** | 4,6÷8 M5÷M12 | 295 | 2 | 004360014 |

## 436R
spare clamps for items 436 and 436L

| | | |
|---|---|---|
| **436R/1** | 1 | 004360022 |
| **436R/2** | 1 | 004360024 |

## 437P
thread dresser, for repairing internal and external, right-hand and left-hand threads

**P 0.80÷3.00 mm**

| L mm | | |
|---|---|---|
| **230** | 1 | 004370003 |

## 437C
set for repairing damaged spark plug threads, M14x1.25 mm

- **Helicoids height: 8.40 - 12.40 - 16.40 mm (5 pcs/size)**

| | | |
|---|---|---|
| **437C** | 1 | 004370100 |

## 437C/...
stainless steel helicoids for item 437C

| H mm | | |
|---|---|---|
| **8.4** | 1 | 004370108 |
| **12.4** | 1 | 004370112 |
| **16.4** | 1 | 004370116 |

## 437C/RM14
male thread for spark plugs M14x1.25

| | | |
|---|---|---|
| **437C/RM14** | 1 | 004370124 |

## 437K/8
tool assortment for repairing axle shaft threads

- **Allows original thread to be rectified and dressed.**

**Kit contents:**
- **Metric sizes:**
  **20x1.25 - 20x1.5 - 22x1.00 - 22x1.5 - 24x1.5 - 24x2.00**
- **Inch sizes:**
  **3/4x20 - 13/16x20**

| | | |
|---|---|---|
| **437K/8** | 1 | 004370020 |

200x110x30 mm

## 437K/9
tool assortment for repairing male and female threads, wheel fixing screws

**allows original thread to be rectified and dressed**

**Kit contents:**
- **Taps:**
  **M12x1.25 - M12x1.5 - M12x1.75 - M14x1.5**
- **Dies:**
  **M12x1.25 - M12x1.5 - M14x1.5**

| | | |
|---|---|---|
| **437K/9** | 1 | 004370029 |

161x123x50 mm

## 437K/10

assortment for repairing damaged threads on oxygen sensors M18x1.5

**Kit contents:**
- **1 pilot reamer M18**
- **1 tap M18x1.5**
- **1 tap M20x1.5**
- **5 threaded bushes M18x1.5**
- **1 bushing tool**

⬡ 13 - 27 mm

| | | |
|---|---|---|
| **437K/10** | 1 | 004370030 |

190x105x40 mm

## 437K/12

tool assortment for repairing axle shaft threads

**allows original thread to be rectified and dressed**

**Kit contents:**
- **Metric sizes:**
  **M16x1.0 - M16x1.5 - M20x1.0 - M20x1.5 - M22x1.5 - M24x1.5 - M24x2.0 - M27x2.0**
- **Inch sizes:**
  **3/4x16 - 3/4x20 - 13/16x20 - 27/32x20**

⬡ 32 - 35 mm

| | | |
|---|---|---|
| **437K/12** | 1 | 004370032 |

220x118x52 mm

## 437K/16

tool assortment for repairing damaged threads on brake caliper brackets M9x1.25

| | | |
|---|---|---|
| **437K/16** | 1 | 004370016 |

210x150x50 mm

## 437K/33

tool assortment for repairing damaged spark plug threads

**Bushes:**
**M8x1.0 - M10x1.0 - M10x1.25 - M12x1.25**
**Taps:**
**M8x1.0 - M10x1.0 - M10x1.25 - M12x1.0 - M12x1.25 - M14x1.25**

| | | |
|---|---|---|
| **437K/33** | 1 | 004370133 |

210x150x50 mm

## 437U/09

assortment for repairing damaged threads M5-M6-M8-M10-M12

| | | |
|---|---|---|
| **437U/09** | 1 | 004370550 |
| M5X0,8 | | |
| M6X1,0 | | |
| M8X1,25 | | |
| M10X1,5 | | |
| M12X1,75 | | |

370x230x55 mm - 2 Kg

## 437U/E-M...

stainless steel helicoids

| | H mm | | |
|---|---|---|---|
| **M5** | 7.5 | 1 | 004370555 |
| **M6** | 9 | 1 | 004370556 |
| **M8** | 12 | 1 | 004370558 |
| **M10** | 15 | 1 | 004370560 |
| **M12** | 18 | 1 | 004370562 |

## 437U/PM

bits and taps for item 437U/09

| | | |
|---|---|---|
| **M5** | 1 | 004370565 |
| **M6** | 1 | 004370566 |
| **M8** | 1 | 004370568 |
| **M10** | 1 | 004370570 |
| **M12** | 1 | 004370572 |

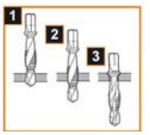
## 438A

set of bits for drilling, threading and countersinking; HSS

- **M3 - M4 - M5 - M6 - M8 - M10**
- **With magnetic bit holder**

1/4

S MAX mm = Ø mm




| | | |
|---|---|---|
| **438A** | 1 | 004380010 |

## 438...

bits for drilling, threading and countersinking

**HSS, 1/4" drive**

1/4

| | S max mm | | |
|---|---|---|---|
| **M3** | 3 | 2 | 004380103 |
| **M4** | 4 | 2 | 004380104 |
| **M5** | 5 | 2 | 004380105 |
| **M6** | 6 | 2 | 004380106 |
| **M8** | 8 | 2 | 004380108 |
| **M10** | 10 | 2 | 004380110 |

## 440

round dies, **coarse pitch**, metric thread made from chrome-steel

**R ≤ 600 N/mm²**
**HRC ≅ 60÷61**

UNI 4535
DIN 223

| M | Ø x S mm | | |
|---|---|---|---|
| **2x0,4** | 25,4 x 9 | 5 | 004400002 |
| **3x0,5** | 25,4 x 9 | 5 | 004400003 |
| **4x0,7** | 25,4 x 9 | 5 | 004400004 |
| **5x0,8** | 25,4 x 9 | 5 | 004400005 |
| **6x1** | 25,4 x 9 | 5 | 004400006 |
| **7x1** | 25,4 x 9 | 5 | 004400007 |
| **8x1,25** | 25,4 x 9 | 5 | 004400008 |
| **9x1,25** | 25,4 x 9 | 5 | 004400009 |
| **10x1,5** | 25,4 x 9 | 5 | 004400010 |
| **12x1,75** | 25,4 x 9 | 5 | 004400012 |

## 440A

round dies, **coarse pitch**,
metric thread made from chrome-steel

**R ≤ 600 N/mm²**
**HRC ≅ 60÷61**

UNI 4535
DIN 223

| M | Ø x S mm | | |
|---|---|---|---|
| **10x1,5** | 38,1 x 14 | 3 | 004400110 |
| **11x1,5** | 38,1 x 14 | 3 | 004400111 |
| **12x1,75** | 38,1 x 14 | 3 | 004400112 |
| **14x2** | 38,1 x 14 | 3 | 004400114 |
| **16x2** | 38,1 x 14 | 3 | 004400116 |
| **18x2,5** | 38,1 x 14 | 3 | 004400118 |
| **20x2,5** | 38,1 x 14 | 3 | 004400120 |

## 440B

round dies, **coarse pitch**,
metric thread made from chrome-steel

**R ≤ 600 N/mm²**
**HRC ≅ 60÷61**

UNI 4535
DIN 223

| M | Ø x S mm | | |
|---|---|---|---|
| **18x2,5** | 50,8 x 16 | 3 | 004400122 |
| **20x2,5** | 50,8 x 16 | 3 | 004400124 |
| **22x2,5** | 50,8 x 16 | 3 | 004400126 |
| **24x3** | 50,8 x 16 | 3 | 004400128 |

## 440ASW

round dies, **Whitworth** thread
made from chrome-steel

**R ≤ 600 N/mm²**

UNI EN 22568
DIN 223

| BSW | Ø x S mm | | |
|---|---|---|---|
| **1/8x40** | 25,4 x 9 | 5 | 004400201 |
| **5/32x32** | 25,4 x 9 | 5 | 004400202 |
| **3/16x24** | 25,4 x 9 | 5 | 004400203 |
| **1/4x20** | 25,4 x 9 | 5 | 004400204 |
| **5/16x18** | 25,4 x 9 | 5 | 004400205 |
| **3/8x16** | 38,1 x 14 | 3 | 004400206 |
| **7/16x14** | 38,1 x 14 | 3 | 004400207 |
| **1/2x12** | 38,1 x 14 | 3 | 004400208 |
| **9/16x12** | 38,1 x 14 | 3 | 004400209 |
| **5/8x11** | 50,8 x 16 | 3 | 004400210 |
| **3/4x10** | 50,8 x 16 | 3 | 004400211 |
| **7/8x9** | 50,8 x 16 | 3 | 004400212 |
| **1"x8** | 50,8 x 16 | 3 | 004400213 |

## 440ASC

round dies, **coarse pitch**,
UNC thread made from chrome-steel

**R ≤ 600 N/mm²**

UNI EN 22568
DIN 223

| UNC | Ø x S mm | | |
|---|---|---|---|
| **1/4x20** | 25,4 x 9 | 5 | 004400221 |
| **5/16x18** | 25,4 x 9 | 5 | 004400222 |
| **3/8x16** | 38,1 x 14 | 3 | 004400223 |
| **7/16x14** | 38,1 x 14 | 3 | 004400224 |
| **1/2x13** | 38,1 x 14 | 3 | 004400225 |
| **9/16x12** | 38,1 x 14 | 3 | 004400226 |
| **5/8x11** | 50,8 x 16 | 3 | 004400227 |
| **3/4x10** | 50,8 x 16 | 3 | 004400228 |
| **7/8x9** | 50,8 x 16 | 3 | 004400229 |
| **1"x8** | 50,8 x 16 | 3 | 004400230 |

## 440ASF

round dies, **fine pitch**,
**UNF** thread made from chrome-steel

UNI EN 2258
DIN 223

| UNF | Ø x S mm | | |
|---|---|---|---|
| **1/4x28** | 25,4 x 9 | 5 | 004400241 |
| **5/16x24** | 25,4 x 9 | 5 | 004400242 |
| **3/8x24** | 38,1 x14 | 3 | 004400243 |
| **7/16x20** | 38,1 x14 | 3 | 004400244 |
| **1/2x20** | 38,1 x14 | 3 | 004400245 |
| **9/16x18** | 38,1 x14 | 3 | 004400246 |
| **5/8x18** | 50,8 x 16 | 3 | 004400247 |
| **3/4x16** | 50,8 x 16 | 3 | 004400248 |
| **7/8x14** | 50,8 x 16 | 3 | 004400249 |
| **1"x12** | 50,8 x 16 | 3 | 004400250 |

## 440ASG

round dies, cylindrical **GAS** (BSP) thread
made from chrome-steel

**R ≤ 600 N/mm²**

UNI EN 24231
DIN 223

| GAS | Ø x S mm | | |
|---|---|---|---|
| **1/8x28** | 38,1 x 14 | 3 | 004400255 |
| **1/4x19** | 38,1 x 14 | 3 | 004400256 |
| **3/8x19** | 38,1 x 14 | 3 | 004400257 |
| **1/2x14** | 50,8 x 16 | 3 | 004400259 |
| **3/4x14** | 50,8 x 16 | 3 | 004400260 |
| **1"x11** | 63,5 x 19 | 3 | 004400261 |

## 441

round dies, **fine pitch**, metric thread
made from chrome-steel

**R ≤ 600 N/mm²**
**HRC ≅ 60÷61**

UNI 4535
DIN 223

| M | Ø x S mm | | |
|---|---|---|---|
| **6x0,75** | 25,4 x 9 | 5 | 004410004 |
| **7x0,75** | 25,4 x 9 | 5 | 004410005 |
| **8x0,75** | 25,4 x 9 | 5 | 004410006 |
| **8x1** | 25,4 x 9 | 5 | 004410007 |
| **9x0,75** | 25,4 x 9 | 5 | 004410008 |
| **9x1** | 25,4 x 9 | 5 | 004410009 |

## 441A

round dies, **fine pitch**, metric thread
made from chrome-steel

**R ≤ 600 N/mm²**
**HRC ≅ 60÷61**

UNI 4535
DIN 223

| M | Ø x S mm | | |
|---|---|---|---|
| **10x0,75** | 38,1 x 14 | 3 | 004410100 |
| **10x1** | 38,1 x 14 | 3 | 004410101 |
| **10x1,25** | 38,1 x 14 | 3 | 004410102 |
| **11x0,75** | 38,1 x 14 | 3 | 004410103 |
| **11x1** | 38,1 x 14 | 3 | 004410104 |
| **11x1,25** | 38,1 x 14 | 3 | 004410105 |
| **12x0,75** | 38,1 x 14 | 3 | 004410106 |
| **12x1** | 38,1 x 14 | 3 | 004410107 |
| **12x1,25** | 38,1 x 14 | 3 | 004410108 |
| **12x1,5** | 38,1 x 14 | 3 | 004410109 |
| **14x1** | 38,1 x 14 | 3 | 004410110 |
| **14x1,25** | 38,1 x 14 | 3 | 004410111 |
| **14x1,5** | 38,1 x 14 | 3 | 004410112 |
| **16x1** | 38,1 x 14 | 3 | 004410113 |
| **16x1,5** | 38,1 x 14 | 3 | 004410114 |
| **18x1,5** | 38,1 x 14 | 3 | 004410115 |

## 441B

round dies, **fine pitch**, metric thread made from chrome-steel

**R ≤ 600 N/mm²**
**HRC ≈ 60÷61**

UNI 4535
DIN 223

| M | Ø x S mm | | |
|---|---|---|---|
| **18x1,5** | 50,8 x 16 | 3 | 004410117 |
| **18x2** | 50,8 x 16 | 3 | 004410118 |
| **20x1,5** | 50,8 x 16 | 3 | 004410119 |
| **22x1,5** | 50,8 x 16 | 3 | 004410120 |
| **24x1,5** | 50,8 x 16 | 3 | 004410121 |
| **24x2** | 50,8 x 16 | 3 | 004410122 |

## 442

round dies, **coarse pitch**, metric thread HSS

**HRC ≈ 62÷63**
**AISI M2**

UNI EN 22568
DIN 223

| M | ØxS mm | | |
|---|---|---|---|
| **3x0,5** | 20x5 | 3 | 004420003 |
| **4x0,7** | 20x5 | 3 | 004420004 |
| **5x0,8** | 20x7 | 3 | 004420005 |
| **6x1** | 20x7 | 3 | 004420006 |
| **7x1** | 25x9 | 3 | 004420007 |
| **8x1,25** | 25x9 | 3 | 004420008 |
| **10x1,5** | 30x11 | 3 | 004420010 |
| **12x1,75** | 38x14 | 3 | 004420012 |
| **14x2** | 38x14 | 1 | 004420014 |
| **16x2** | 45x18 | 1 | 004420016 |
| **18x2,5** | 45x18 | 1 | 004420018 |
| **20x2,5** | 45x18 | 1 | 004420020 |
| **22x2,5** | 55x22 | 1 | 004420022 |
| **24x3** | 55x22 | 1 | 004420024 |

## 443

round dies, **fine pitch**, metric thread HSS

**HRC ≈ 62÷63**
**AISI M2**

UNI EN 22568
DIN 223

| M | ØxS mm | | |
|---|---|---|---|
| **6x0,75** | 20x7 | 1 | 004430107 |
| **8x0,75** | 25x9 | 1 | 004430110 |
| **8x1** | 25x9 | 1 | 004430111 |
| **10x0,75** | 30x11 | 1 | 004430113 |
| **10x1** | 30x11 | 1 | 004430114 |
| **10x1,25** | 30x11 | 1 | 004430115 |
| **12x1** | 38x10 | 1 | 004430116 |
| **12x1,25** | 38x10 | 1 | 004430117 |
| **12x1,5** | 38x10 | 1 | 004430118 |
| **13x1,5** | 38x10 | 1 | 004430119 |
| **14x1** | 38x10 | 1 | 004430120 |
| **14x1,25** | 38x10 | 1 | 004430121 |
| **14x1,5** | 38x10 | 1 | 004430122 |
| **15x1,5** | 38x10 | 1 | 004430123 |
| **16x1** | 45x14 | 1 | 004430124 |
| **16x1,5** | 45x14 | 1 | 004430125 |
| **18x1,5** | 45x14 | 1 | 004430127 |
| **20x1,25** | 45x14 | 1 | 004430129 |
| **20x1,5** | 45x14 | 1 | 004430130 |
| **20x2** | 45x14 | 1 | 004430131 |
| **22x1,5** | 55x16 | 1 | 004430132 |
| **24x1** | 55x16 | 1 | 004430133 |
| **24x1,5** | 55x16 | 1 | 004430135 |
| **24x2** | 55x16 | 1 | 004430136 |

## 444

die stocks, steel body

EN 22568
DIN 225

| | Ø mm | L mm | | |
|---|---|---|---|---|
| **444** | 20x5 | 190 | 5 | 004440005 |
| **444/0** | 20x7 | 190 | 5 | 004440007 |
| **444/1** | 25,4x9,5 | 210 | 5 | 004440025 |
| **444/1A** | 25x9 | 215 | 5 | 004440027 |
| **444/1B** | 30x11 | 250 | 5 | 004440030 |
| **444/C** | 38x10 | 310 | 3 | 004440033 |
| **444/1C** | 38x14 | 310 | 3 | 004440035 |
| **444/2** | 38,1x12,7 | 300 | 3 | 004440038 |
| **444/1D** | 45x14 | 445 | 1 | 004440045 |
| **444/2D** | 45x18 | 445 | 1 | 004440046 |
| **444/3** | 50,8x15,9 | 520 | 1 | 004440050 |
| **444/4** | 55x16 | 495 | 1 | 004440055 |
| **444/5A** | 63,5x19 | 520 | 1 | 004440057 |

## 444G

die stocks, light alloy body

UNI EN 22568
DIN 225

| | Ø mm | L mm | | |
|---|---|---|---|---|
| **444G/A** | 16x5 | 160 | 5 | 004440103 |
| **444G** | 20x5 | 185 | 5 | 004440105 |
| **444G/0** | 20x7 | 185 | 5 | 004440107 |
| **444G/1** | 25,4x9,5 | 215 | 5 | 004440125 |
| **444G/1A** | 25x9 | 215 | 5 | 004440127 |
| **444G/1B** | 30x11 | 265 | 5 | 004440130 |
| **444G/C** | 38x10 | 315 | 3 | 004440133 |
| **444G/1C** | 38x14 | 315 | 3 | 004440135 |
| **444G/2** | 38,1x12,6 | 310 | 3 | 004440138 |
| **444G/1D** | 45x14 | 450 | 1 | 004440145 |
| **444G/2D** | 45x18 | 450 | 1 | 004440146 |
| **444G/3** | 50,8x16 | 485 | 1 | 004440150 |
| **444G/4** | 55x16 | 560 | 1 | 004440155 |
| **444G/5A** | 63,5x19 | 630 | 1 | 004440163 |
| **444G/6** | 65x18 | 630 | 1 | 004440165 |

## 446/C30

assortment of chrome-steel taps and dies, metric thread, and accessories in wooden case

| | | |
|---|---|---|
| **446/C30** | 1 | 004460055 |

325x220x35 mm - 3,2 Kg

| 430 M mm | 440 M mm | | |
|---|---|---|---|
| 3x0,5 | 3x0,5 | 435/1,5 | 444/1 |
| 4x0,7 | 4x0,7 | | |
| 5x0,8 | 5x0,8 | | |
| 6x1 | 6x1 | | |
| 8x1,25 | 8x1,25 | | |
| 10x1,5 | 10x1,5 | | |
| 12x1,75 | 12x1,75 | | |

## 446/C48

assortment of chrome-steel taps and dies, metric thread, and accessories in wooden case

| | | |
|---|---|---|
| **446/C48** | 1 | 004460057 |

580x300x50 mm - 5 Kg

| 430 M mm | 440 M mm | 440A M mm | | |
|---|---|---|---|---|
| 3x0,5 | 3x0,5 | 10x1,5 | 435/1 | 444/1 |
| 4x0,7 | 4x0,7 | 12x1,75 | 435/3 | 444/2 |
| 5x0,8 | 5x0,8 | 14x2 | | |
| 6x1 | 6x1 | 16x2 | | |
| 8x1,25 | 8x1,25 | 18x2,5 | | |
| 10x1,5 | | 20x2,5 | | |
| 12x1,75 | | | | |
| 14x2 | | | | |
| 16x2 | | | | |
| 18x2,5 | | | | |
| 20x2,5 | | | | |

## 446/C110

assortment of chrome-steel taps and dies, metric thread, and accessories for car repair jobs in wooden case

**446/C110** 1 004460060

500x337x60 mm - 8,1 Kg

| 430 M mm | 433 M mm | 440/440A M mm | 441/441A M mm |
|---|---|---|---|
| 2x0,4 | 6x0,75 | 2x0,4 | 6x0,75 |
| 3x0,5 | 7x0,75 | 3x0,5 | 7x0,75 |
| 4x0,7 | 8x0,75 | 4x0,7 | 8x0,75 |
| 5x0,8 | 8x1 | 5x0,8 | 8x1 |
| 6x1 | 9x0,75 | 6x1 | 9x0,75 |
| 7x1 | 9x1 | 7x1 | 9x1 |
| 8x1,25 | 10x0,75 | 8x1,25 | 10x0,75 |
| 9x1,25 | 10x1 | 9x1,25 | 10x1 |
| 10x1,5 | 10x1,25 | 10x1,5 | 10x1,25 |
| 11x1,5 | 11x0,75 | 11x1,5 | 11x0,75 |
| 12x1,75 | 11x1 | 12x1,75 | 11x1 |
| 14x2 | 11x1,25 | 14x2 | 11x1,25 |
| 16x2 | 12x0,75 | 16x2 | 12x0,75 |
| | 12x1 | | 12x1 |
| | 12x1,25 | | 12x1,25 |
| | 12x1,5 | | 12x1,5 |
| | 14x1 | | 14x1 |
| | 14x1,25 | | 14x1,25 |
| | 14x1,5 | | 14x1,5 |
| | 16x1 | | 16x1 |
| | 16x1,5 | | 16x1,5 |
| | 18x1,5 | | 18x1,5 |

| 435/0 | 444/1 | 436/1 |
|---|---|---|
| 435/3 | 444/2 | |

## 446ASF/C29

assortment of chrome-steel taps and dies, **UNF** thread, and accessories in wooden case

**446ASF/C29** 1 004460070

660x410x50 mm - 6 Kg

| 433ASF | 440ASF | | |
|---|---|---|---|
| 1/4 | 1/4 | 435/1,5 | 444/1 |
| 5/16 | 5/16 | 435/3 | 444/2 |
| 3/8 | 3/8 | | 444/3 |
| 7/16 | 7/16 | | |
| 1/2 | 1/2 | | |
| 9/16 | 9/16 | | |
| 5/8 | 5/8 | | |
| 3/4 | 3/4 | | |

## 446ASW/C36

assortment of chrome-steel taps and dies, **Whitworth** thread, and accessories in wooden case

**446ASW/C36** 1 004460075

525x310x50 mm - 3,4 Kg

| 430ASW | 440ASW | | |
|---|---|---|---|
| 1/8 | 1/8 | 435/1,5 | 444/1 |
| 5/32 | 5/32 | 435/2 | 444/2 |
| 3/16 | 3/16 | | |
| 1/4 | 1/4 | | |
| 5/16 | 5/16 | | |
| 3/8 | 3/8 | | |
| 7/16 | 7/16 | | |
| 1/2 | 1/2 | | |

## 446ASC/C37

assortment of chrome-steel taps and dies, **UNC** thread, and accessories in wooden case

**446ASC/C37** 1 004460080

660x410x50 mm - 6,7 Kg

| 430ASC | 440ASC | | |
|---|---|---|---|
| 1/4 | 1/4 | 435/1,5 | 444/1 |
| 5/16 | 5/16 | 435/3 | 444/2 |
| 3/8 | 3/8 | | 444/3 |
| 7/16 | 7/16 | | |
| 1/2 | 1/2 | | |
| 9/16 | 9/16 | | |
| 5/8 | 5/8 | | |
| 3/4 | 3/4 | | |

## 446ASG/C23

assortment of chrome-steel taps and dies, cylindrical **GAS** thread, and accessories in wooden case

**446ASG/C23** 1 004460085

700x430x70 mm - 9,8 Kg

| 433ASG | 440ASG | | |
|---|---|---|---|
| 1/8 | 1/8 | 435/3 | 444/2 |
| 1/4 | 1/4 | 435/5 | 444/3 |
| 3/8 | 3/8 | | 444/5A |
| 1/2 | 1/2 | | |
| 3/4 | 3/4 | | |
| 1" | 1" | | |

## 447/C37

assortment of HSS taps and dies,
metric thread,
and accessories in metal case

| | | |
|---|---|---|
| **447/C37** | 1 | 004470055 |

380x185x35 mm - 3,9 Kg

| 431 M mm | 442 M mm | | |
|---|---|---|---|
| 3x0,5 | 3x0,5 | 435/0 | 444 |
| 4x0,7 | 4x0,7 | 435/2 | 444/0 |
| 5x0,8 | 5x0,8 | | 444/1A |
| 6x1 | 6x1 | | 444/1B |
| 8x1,25 | 8x1,25 | | 444/1C |
| 10x1,5 | 10x1,5 | | |
| 12x1,75 | 12x1,75 | | |

| | |
|---|---|
| 436/1 | 0,5x3x75 |

## 447/C53

assortment of HSS taps and dies,
metric thread,
and accessories in metal case

| | | |
|---|---|---|
| **447/C53** | 1 | 004470060 |

500x235x50 mm - 9 Kg

| 431 M mm | 442 M mm | | | |
|---|---|---|---|---|
| 3x0,5 | 3x0,5 | 435/1,5 | 444 | 436/1 |
| 4x0,7 | 4x0,7 | 435/3 | 444/0 | 436/2 |
| 5x0,8 | 5x0,8 | | 444/1A | |
| 6x1 | 6x1 | | 444/1B | |
| 8x1,25 | 8x1,25 | | 444/1C | |
| 10x1,5 | 10x1,5 | | 444/2D | |
| 12x1,75 | 12x1,75 | | | |
| 14x2 | 14x2 | | | |
| 16x2 | 16x2 | | | |
| 18x2,5 | 18x2,5 | | | |
| 20x2,5 | 20x2,5 | | | |

## 447/C70

assortment of HSS taps and dies,
metric thread, and accessories
for car repair jobs industrial maintenance
in wooden case

| | | |
|---|---|---|
| **447/C70** | 1 | 004470065 |

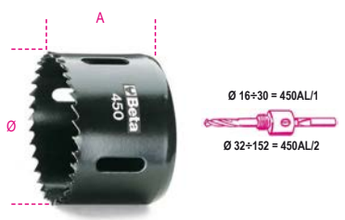
510x340x70 mm - 7,5 Kg

| 431 M mm | 434 M mm | 442 M mm | 443 M mm |
|---|---|---|---|
| 3x0,5 | 8x1 | 3x0,5 | 8x1 |
| 4x0,7 | 10x1,25 | 4x0,7 | 10x1,25 |
| 5x0,8 | 12x1,25 | 5x0,8 | 12x1,25 |
| 6x1 | 12x1,5 | 6x1 | 12x1,5 |
| 7x1 | 14x1,25 | 7x1 | 14x1,25 |
| 8x1,25 | 14x1,5 | 8x1,25 | 14x1,5 |
| 10x1,5 | 16x1,5 | 10x1,5 | 16x1,5 |
| 12x1,75 | | 12x1,75 | |
| 14x2 | | 14x2 | |
| 16x2 | | 16x2 | |

| | | |
|---|---|---|
| 435/0 | 444 | 436/1 |
| 435/3 | 444/0 | |
| | 444/1A | |
| | 444/1B | |
| | 444/C | |
| | 444/1C | |
| | 444/1D | |
| | 444/2D | |

## 450

holesaws HSS, Bimetal




HSS-Co 8%

| Ø mm | Ø " | A mm | | |
|---|---|---|---|---|
| **16** | (5/8) | 57 | 1 | 004500016 |
| **17** | (11/16) | 57 | 1 | 004500017 |
| **19** | (3/4) | 51 | 1 | 004500019 |
| **20** | - | 51 | 1 | 004500020 |
| **21** | (13/16) | 51 | 1 | 004500021 |
| **22** | (7/8) | 51 | 1 | 004500022 |
| **24** | (15/16) | 51 | 1 | 004500024 |
| **25** | (1") | 51 | 1 | 004500025 |
| **27** | (1"1/16) | 51 | 1 | 004500027 |
| **29** | (1"1/8) | 51 | 1 | 004500029 |
| **30** | (1"3/16) | 51 | 1 | 004500030 |
| **32** | (1"1/4) | 51 | 1 | 004500032 |
| **33** | (1"5/16) | 51 | 1 | 004500033 |
| **35** | (1"3/8) | 51 | 1 | 004500035 |
| **37** | (1"7/16) | 51 | 1 | 004500037 |
| **38** | (1"1/2) | 44 | 1 | 004500038 |
| **40** | (1"9/16) | 44 | 1 | 004500040 |
| **41** | (1"5/8) | 44 | 1 | 004500041 |
| **43** | (1"11/16) | 44 | 1 | 004500043 |
| **44** | (1"3/4) | 44 | 1 | 004500044 |
| **46** | (1"13/16) | 44 | 1 | 004500046 |
| **48** | (1"7/8) | 44 | 1 | 004500048 |
| **51** | (2") | 44 | 1 | 004500051 |
| **52** | (2"1/16) | 44 | 1 | 004500052 |
| **54** | (2"1/8) | 44 | 1 | 004500054 |
| **57** | (2"1/4) | 44 | 1 | 004500057 |
| **59** | (2"5/16) | 44 | 1 | 004500059 |
| **60** | (2"3/8) | 44 | 1 | 004500060 |
| **64** | (2"1/2) | 44 | 1 | 004500064 |
| **65** | (2"9/16) | 44 | 1 | 004500065 |
| **67** | (2"5/8) | 44 | 1 | 004500067 |
| **68** | - | 44 | 1 | 004500068 |
| **70** | (2"3/4) | 44 | 1 | 004500070 |
| **73** | (2"7/8) | 44 | 1 | 004500073 |
| **76** | (3") | 44 | 1 | 004500076 |
| **79** | (3"1/8) | 44 | 1 | 004500079 |
| **83** | (3"1/4) | 44 | 1 | 004500083 |
| **86** | (3"3/8) | 44 | 1 | 004500086 |
| **89** | (3"1/2) | 44 | 1 | 004500089 |
| **92** | (3"5/8) | 44 | 1 | 004500092 |
| **95** | (3"3/4) | 44 | 1 | 004500095 |
| **98** | (3"7/8) | 44 | 1 | 004500098 |
| **102** | (4") | 44 | 1 | 004500102 |
| **105** | (4"1/8) | 44 | 1 | 004500105 |
| **108** | (4"1/4) | 44 | 1 | 004500108 |
| **111** | (4"3/8) | 44 | 1 | 004500111 |
| **114** | (4"1/2) | 44 | 1 | 004500114 |
| **121** | (4"3/4) | 44 | 1 | 004500121 |
| **127** | (5") | 44 | 1 | 004500127 |
| **140** | (5"1/2) | 44 | 1 | 004500140 |
| **152** | (6") | 44 | 1 | 004500152 |

## 450AL

arbors for holesaws

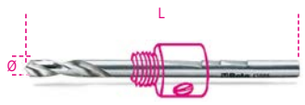
| | Ø mm | L mm | | |
|---|---|---|---|---|
| **450AL/1** | 16÷30 | 54 | 1 | 004500210 |
| **450AL/2** | 32÷152 | 70 | 1 | 004500215 |

## 450AD

adaptors for arbors item 450AL/1

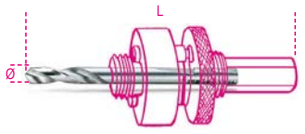
| | Ø mm | | |
|---|---|---|---|
| **450AD** | 32÷51 | 1 | 004500230 |

## 450PA/1
pilot drills for arbors item 450AL/1, HSS




| ØxL mm | | |
|---|---|---|
| 6,35x105 | 1 | 004500252 |

## 450PA/2
pilot drills for arbors item 450AL/2, HSS




| ØxL mm | | |
|---|---|---|
| 6,35x80 | 1 | 004500253 |

## 450PR
extension for holesaws

| L mm | | |
|---|---|---|
| 305 | 1 | 004500255 |

## 450/C9
assortment of holesaws and accessories for electricians

HSS-Co 8%

| | | |
|---|---|---|
| 450/C9 | 1 | 004500305 |

| | |
|---|---|
| 450 | Ø 22 - 29 - 35 - 44 - 51 - 64 mm |
| 450AL | /1 - /2 |
| 450AD | |

220x160x60 mm - 1,6 Kg

## 450/C13
assortment of holesaws and accessories for **installers**

HSS-Co 8%

| | | |
|---|---|---|
| 450/C13 | 1 | 004500310 |

| | |
|---|---|
| 450 | Ø 19 - 22 - 29 - 35 - 38<br>44 - 51 - 57 - 64 mm |
| 450AL | /1 - /2 |
| 450PA/1 | |
| 450AD | |

215x180x65 mm - 1,8 Kg

## 450/C15
assortment of holesaws and accessories for electricians

| | | |
|---|---|---|
| 450/C15 | 1 | 004500313 |

| | |
|---|---|
| 450 | Ø 16 - 20 - 25 - 32 - 40<br>51 - 60 - 65 - 70 mm |
| 450AL | /1 - /2 |
| 450PA | /1 - /2 |
| 450PR | |
| 450AD | |

420x185x60 mm - 3,2 Kg

## 450/C21
assortment of holesaws and accessories for **industrial use**

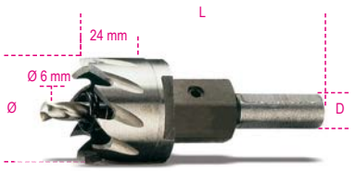
HSS-Co 8%

| | | |
|---|---|---|
| 450/C21 | 1 | 004500315 |

| | |
|---|---|
| 450 | Ø 19 - 22 - 29 - 35 - 38<br>44 - 51 - 57 - 64 - 76<br>83 - 92 - 95 - 105 - 114 mm |
| 450AL | /1 - /2 |
| 450PA | /1 - /2 |
| 450PR | |
| 450AD | |

420x280x60 mm - 7 Kg

## 451
hole cutters HSS, entirely ground




| Ø mm | L mm | D mm | | |
|---|---|---|---|---|
| 12 | 85 | 8 | 1 | 004510012 |
| 13 | 85 | 8 | 1 | 004510013 |
| 14 | 85 | 8 | 1 | 004510014 |
| 15 | 85 | 10 | 1 | 004510015 |
| 16 | 85 | 10 | 1 | 004510016 |
| 17 | 85 | 10 | 1 | 004510017 |
| 18 | 85 | 10 | 1 | 004510018 |
| 19 | 85 | 10 | 1 | 004510019 |
| 20 | 85 | 10 | 1 | 004510020 |
| 21 | 85 | 10 | 1 | 004510021 |
| 22 | 85 | 10 | 1 | 004510022 |
| 23 | 85 | 10 | 1 | 004510023 |
| 24 | 85 | 10 | 1 | 004510024 |
| 25 | 85 | 10 | 1 | 004510025 |
| 26 | 90 | 10 | 1 | 004510026 |
| 27 | 90 | 10 | 1 | 004510027 |
| 28 | 90 | 10 | 1 | 004510028 |
| 29 | 90 | 10 | 1 | 004510029 |
| 30 | 90 | 10 | 1 | 004510030 |
| 31 | 90 | 10 | 1 | 004510031 |
| 32 | 90 | 10 | 1 | 004510032 |
| 33 | 90 | 10 | 1 | 004510033 |
| 34 | 90 | 10 | 1 | 004510034 |
| 35 | 90 | 10 | 1 | 004510035 |
| 36 | 85 | 10 | 1 | 004510036 |
| 37 | 85 | 10 | 1 | 004510037 |
| 38 | 85 | 10 | 1 | 004510038 |
| 39 | 85 | 10 | 1 | 004510039 |
| 40 | 85 | 10 | 1 | 004510040 |
| 41 | 85 | 10 | 1 | 004510041 |
| 42 | 85 | 10 | 1 | 004510042 |
| 43 | 85 | 10 | 1 | 004510043 |
| 44 | 85 | 10 | 1 | 004510044 |
| 45 | 85 | 10 | 1 | 004510045 |
| 46 | 85 | 10 | 1 | 004510046 |
| 47 | 85 | 10 | 1 | 004510047 |
| 48 | 85 | 10 | 1 | 004510048 |
| 49 | 85 | 10 | 1 | 004510049 |
| 50 | 85 | 10 | 1 | 004510050 |

## 451GA
arbors for hole cutters item 451

| M | Ø mm | L mm | D mm | | |
|---|---|---|---|---|---|
| 10x1,25 | 12÷14 | 57 | 8 | 1 | 004510101 |
| 12x1,25 | 15÷34 | 57 | 10 | 1 | 004510102 |
| 14x1,5 | 35÷50 | 57 | 10 | 1 | 004510105 |

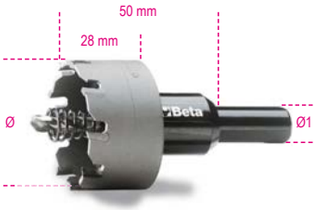
## 451PA
pilot drill for hole cutters item 451
HSS

| Ø mm | L mm | | |
|---|---|---|---|
| 6 | 53 | 1 | 004510103 |

## 451PR
extension for hole cutters item 451

| M | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 12x1,25 | 15÷34 | 400 | 13 | 1 | 004510104 |
| 14x1,5 | 35÷50 | 400 | 13 | 1 | 004510108 |

## 452
hole cutters with hard metal insets



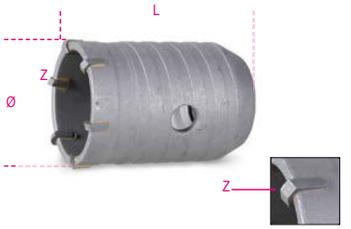

| Ø mm | Ø1 mm | | |
|---|---|---|---|
| 15 | 10 | 1 | 004520015 |
| 16 | 10 | 1 | 004520016 |
| 17 | 10 | 1 | 004520017 |
| 18 | 10 | 1 | 004520018 |
| 19 | 10 | 1 | 004520019 |
| 20 | 10 | 1 | 004520020 |
| 21 | 10 | 1 | 004520021 |
| 22 | 10 | 1 | 004520022 |
| 23 | 10 | 1 | 004520023 |
| 24 | 10 | 1 | 004520024 |
| 25 | 10 | 1 | 004520025 |
| 26 | 10 | 1 | 004520026 |
| 27 | 10 | 1 | 004520027 |
| 28 | 10 | 1 | 004520028 |
| 29 | 10 | 1 | 004520029 |
| 30 | 10 | 1 | 004520030 |
| 31 | 10 | 1 | 004520031 |
| 32 | 10 | 1 | 004520032 |
| 33 | 10 | 1 | 004520033 |
| 34 | 10 | 1 | 004520034 |
| 35 | 10 | 1 | 004520035 |
| 36 | 10 | 1 | 004520036 |
| 37 | 10 | 1 | 004520037 |
| 38 | 10 | 1 | 004520038 |
| 39 | 13 | 1 | 004520039 |
| 40 | 13 | 1 | 004520040 |
| 41 | 13 | 1 | 004520041 |
| 42 | 13 | 1 | 004520042 |
| 43 | 13 | 1 | 004520043 |
| 44 | 13 | 1 | 004520044 |
| 45 | 13 | 1 | 004520045 |
| 46 | 13 | 1 | 004520046 |
| 47 | 13 | 1 | 004520047 |
| 48 | 13 | 1 | 004520048 |
| 49 | 13 | 1 | 004520049 |
| 50 | 13 | 1 | 004520050 |
| 55 | 13 | 1 | 004520055 |
| 60 | 13 | 1 | 004520060 |
| 65 | 13 | 1 | 004520065 |
| 70 | 13 | 1 | 004520070 |
| 75 | 13 | 1 | 004520075 |
| 80 | 13 | 1 | 004520080 |
| 85 | 13 | 1 | 004520085 |
| 90 | 13 | 1 | 004520090 |

## 452GA
arbors for hole cutters item 452

| | Ø mm | | |
|---|---|---|---|
| 452GA/1 | 15÷21 | 1 | 004520125 |
| 452GA/2 | 22÷38 | 1 | 004520126 |
| 452GA/3 | 39÷100 | 1 | 004520127 |

## 460
hole cutters for building materials

- For concrete, cement, natural and artificial stones
- Maximum drilling depth: 60 mm




| Ø mm | L mm | Z | | |
|---|---|---|---|---|
| 50 | 75 | 6 | 1 | 004600050 |
| 60 | 75 | 6 | 1 | 004600060 |
| 65 | 75 | 6 | 1 | 004600065 |
| 80 | 75 | 6 | 1 | 004600080 |
| 90 | 75 | 6 | 1 | 004600090 |
| 100 | 75 | 8 | 1 | 004600100 |
| 112 | 75 | 8 | 1 | 004600112 |
| 125 | 80 | 10 | 1 | 004600125 |
| 150 | 80 | 12 | 1 | 004600150 |

## 460PP
pilot drill for hole cutters for building materials 460

| Ø mm | L mm | | |
|---|---|---|---|
| 8 | 120 | 1 | 004600201 |

## 460G
shanks for hole cutters 460

| L mm | | |
|---|---|---|
| 220 | 1 | 004600222 |
| 370 | 1 | 004600237 |
| 460 | 1 | 004600246 |

# TORQUE MULTIPLIERS

Torque multipliers are essential tools for tightening nuts and screws, as they allow a higher torque than the operator would normally apply to be generated, in small or hardly accessible spaces. They do not require bulky extensions, thereby ensuring total safety. **Beta's range of torque multipliers** provides a variety of solutions and capacities **up to 9500 Nm**, and torque multiplication ratios up to 125:1. Many models – especially the most powerful ones – are fitted with a two-way anti-wind up system, to prevent dangerous tension returns onto the operator. Each of Beta's torque multipliers comes with a **certificate** proving that the tool was tested at the maximum value under optimal operating conditions.

### Operating instructions

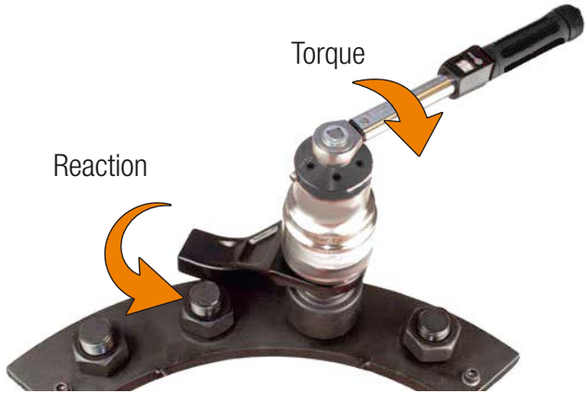
The torque multiplier **must be used with a torque wrench** to ensure control of the output torque; in addition, it must always be used with **impact sockets**.

The ratios of each torque multiplier determine the **multiplication factor** between the input torque and the output torque. Example: torque multiplier with 5:1 ratio. Applying an input torque of 100 Nm, as set on the torque wrench, will result in an output torque of 500 Nm as transmitted to the nut or screw.

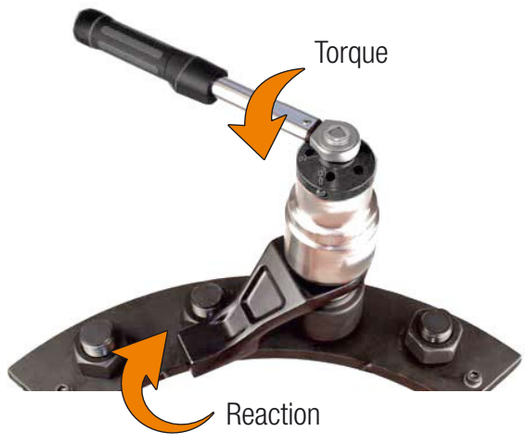
However, make sure that all the parts involved in tightening are properly aligned.

Avoid using **extensions**, as these would twist, thereby producing a spring effect which would modify the applied torque values.

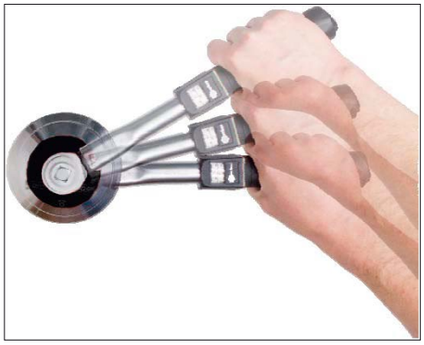
Always check that the **reaction arm** of the torque multiplier has been fixed to, or rests on, a sturdy structure, capable of withstanding the reaction force. As a rule, adequately rigid walls or screws near to the one that must be worked on are used. The reaction arm always rotates in the **opposite** direction to the tightening direction.




Clockwise




Counterclockwise



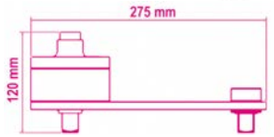
Operate smoothly and uninterruptedly.

Tightening tension must be released by rotating the torque multiplier in the other direction, before disengaging it; if the torque multiplier is fitted with an anti-wind up system, tightening tension must be released through the reversal lever.

The above instructions also apply to **unscrewing** operations.

## 560/C3

torque multiplier for right-hand and left-hand tightening, in plastic case,
ratio 3.8:1,
with anti-wind up system

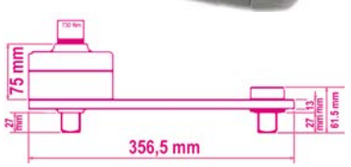



| Nm | kgfm | lbf.ft | □ | ■ | kg |
|---|---|---|---|---|---|
| 1500 | 150 | 1110 | 1/2" | 3/4" | 3,9 |

| | | |
|---|---|---|
| **560/C3** | 1 | 005600030 |

## 560/C3PLUS

torque multiplier for right-hand and left-hand tightening, in plastic case,
ratio 3.8:1,
with anti-wind up system

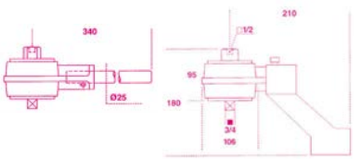



| Nm | kgfm | lbf.ft | □ | ■ | kg |
|---|---|---|---|---|---|
| 2700 | 270 | 1991 | 3/4" | 1" | 7,5 |

| | | |
|---|---|---|
| **560/C3PLUS** | 1 | 005600038 |

## 560/C2

torque multiplier for right-hand and left-hand tightening, and accessories,
ratio 5:1,
in plastic case



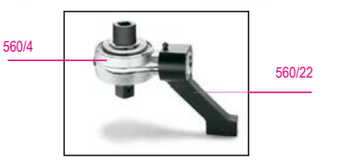

| Nm | Kgfm | lbf.ft | □ | ■ | kg |
|---|---|---|---|---|---|
| 1300 | 130 | 960 | 1/2 | 3/4 | 3,8 |

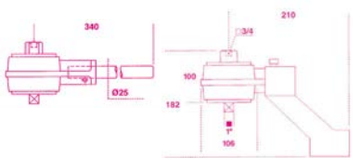
| | | |
|---|---|---|
| **560/C2** | 1 | 005600020 |
| **560/2** | 1 | 005600002 |
| **560/18** | 1 | 005600018 |
| **560/19** | 1 | 005600019 |
| **560/22** | 1 | 005600022 |

310x275x120 mm

## 560/C4+

torque multiplier for right-hand and left-hand tightening, and accessories,
ratio 5:1,
with reaction foot




| Nm | Kgfm | lbf.ft | □ | ■ | kg |
|---|---|---|---|---|---|
| 2700 | 270 | 2000 | 3/4 | 1" | 5 |

| | | |
|---|---|---|
| **560/C4PLUS** | 1 | 005600042 |
| **560/4** | 1 | 005600004 |
| **560/18** | 1 | 005600018 |
| **560/22** | 1 | 005600022 |

310x275x120 mm

## 560/C6

torque multipliers for right-hand and left-hand tightening in plastic case
ratio: 6.5:1

| Nm | kgfm | lbf.ft | □ | ■ | kg |
|---|---|---|---|---|---|
| 1500 | 150 | 1106 | 1/2" | 3/4" | 6 |

| | | |
|---|---|---|
| **560/C6** | 1 | 005600160 |

400x260x110 mm

## 560/C12

torque multipliers for right-hand and left-hand tightening in plastic case
ratio: 12:1

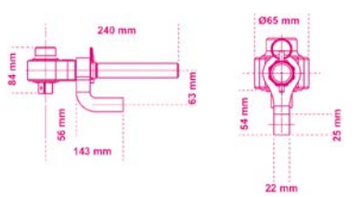
| Nm | kgfm | lbf.ft | □ | ■ | kg |
|---|---|---|---|---|---|
| 2500 | 250 | 1844 | 1/2" | 1" | 7 |

| | | |
|---|---|---|
| **560/C12** | 1 | 005600210 |

400x260x110 mm

## 561/1

torque multiplier for right-hand and left-hand tightening,
ratio 5:1,
with two reaction feet



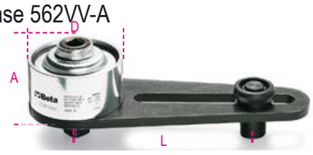

| Nm | kgfm | lbf.ft | □ | ■ | kg |
|---|---|---|---|---|---|
| 1000 | 100 | 740 | 1/2 | 3/4 | 2,7 |

| | | |
|---|---|---|
| **561/1** | 1 | 005610010 |

270x210x70 mm

## 562-1/VA - 562-2/VA

torque multipliers for right-hand and left-hand tightening
ratio 5,2:1
in case 562VV-A




| Nm | Kgfm | lbf.ft | □ | ■ | D mm | A mm | L min mm | L max mm | kg |
|---|---|---|---|---|---|---|---|---|---|
| 1700 | 170 | 1250 | 3/4 | 1" | 108 | 95 | 85 | 220 | 8,8 |

562-1/VA — 1 — 005620601

| Nm | Kgfm | lbf.ft | □ | ■ | D mm | A mm | L min mm | L max mm | kg |
|---|---|---|---|---|---|---|---|---|---|
| 3400 | 340 | 2500 | 3/4 | 1" | 119 | 115 | 85 | 265 | 10,5 |

562-2/VA — 1 — 005620602

## 564-3R/VA - 564-4R/VA

torque multipliers for right-hand and left-hand tightening
ratio 27:1
with anti-wind up system,
in case 562VV-A

| Nm | Kgfm | lbf.ft | □ | ■ | D mm | A mm | L mm | kg |
|---|---|---|---|---|---|---|---|---|
| 3000 | 300 | 2200 | 1/2 | 1" | 108 | 188 | 155 | 12,7 |

564-3R/VA — 1 — 005640603

| Nm | Kgfm | lbf.ft | □ | ■ | D mm | A mm | L mm | kg |
|---|---|---|---|---|---|---|---|---|
| 6000 | 600 | 4500 | 1/2 | 1"1/2 | 119 | 235 | 200 | 19,0 |

564-4R/VA — 1 — 005640604

## 565-1R/VA - 565-2R/VA - 565-3R/VA

torque multipliers for right-hand and left-hand tightening
ratio 27:1
with anti-wind up system,
in case 562VV-A

| Nm | Kgfm | lbf.ft | □ | ■ | D mm | A mm | L min mm | L max mm | kg |
|---|---|---|---|---|---|---|---|---|---|
| 1700 | 170 | 1250 | 1/2 | 1" | 108 | 125 | 80 | 215 | 11,2 |

565-1R/VA — 1 — 005650611

| Nm | Kgfm | lbf.ft | □ | ■ | D mm | A mm | L min mm | L max mm | kg |
|---|---|---|---|---|---|---|---|---|---|
| 3400 | 340 | 2500 | 1/2 | 1" | 119 | 145 | 85 | 265 | 13,6 |

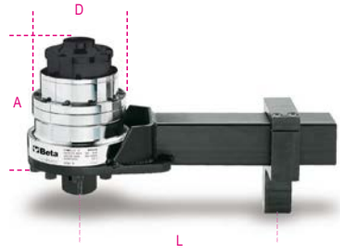
565-2R/VA — 1 — 005650612

| Nm | Kgfm | lbf.ft | □ | ■ | D mm | A mm | L min mm | L max mm | kg |
|---|---|---|---|---|---|---|---|---|---|
| 3400 | 340 | 2500 | 1/2 | 1"1/2 | 119 | 145 | 85 | 265 | 14,2 |

565-3R/VA — 1 — 005650613

## 565-4R/VB

torque multiplier for right-hand and left-hand tightening
ratio 27:1
with anti-wind up system,
in case 565VV-B

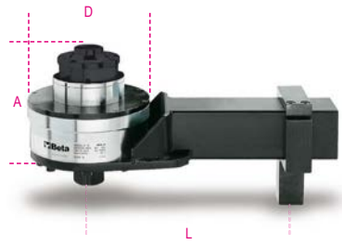



| Nm | Kgfm | lbf.ft | □ | ■ | D mm | A mm | L min mm | L max mm | kg |
|---|---|---|---|---|---|---|---|---|---|
| 6000 | 600 | 4500 | 1/2 | 1"1/2 | 144 | 180 | 125 | 335 | 22,4 |

565-4R/VB — 1 — 005650614

## 565-5R/VB

torque multiplier for right-hand and left-hand tightening
ratio 27:1
with anti-wind up system,
in case 565VV-B




| Nm | Kgfm | lbf.ft | □ | ■ | D mm | A mm | L min mm | L max mm | kg |
|---|---|---|---|---|---|---|---|---|---|
| 9500 | 950 | 7000 | 3/4 | 1"1/2 | 184 | 180 | 155 | 355 | 30,4 |

565-5R/VB — 1 — 005650615

## 567-4R/VB

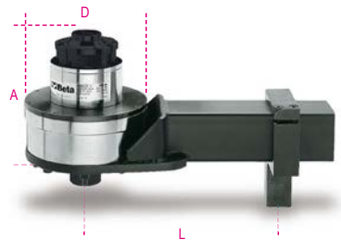
torque multiplier for right-hand and left-hand tightening
ratio 135:1
with anti-wind up system,
in case 565VV-B

| Nm | Kgfm | lbf.ft | □ | ■ | D mm | A mm | L min mm | L max mm | kg |
|---|---|---|---|---|---|---|---|---|---|
| 6000 | 600 | 4500 | 1/2 | 1"1/2 | 144 | 210 | 125 | 335 | 24,4 |

567-4R/VB — 1 — 005670614

## 567-5R/VB

torque multiplier for right-hand and left-hand tightening
ratio 135:1
with anti-wind up system,
in case 565VV-B




| Nm | Kgfm | lbf.ft | □ | ■ | D mm | A mm | L min mm | L max mm | kg |
|---|---|---|---|---|---|---|---|---|---|
| 9500 | 950 | 7000 | 1/2 | 1"1/2 | 184 | 210 | 155 | 350 | 32,4 |

567-5R/VB — 1 — 005670615

## 562VV-A

multiplier case,
made of hard-wearing polypropylene with sponge lining
**Interior dimensions: 380x270x180 mm**

**562VV-A** — 1 — 005620501
562/1-562/2-564/3R
564/4R-565/1R-565/2R
565/3R

410x340x205 mm - 3,5 kg

## 565VV-B

multiplier case,
made of hard-wearing polypropylene with sponge lining
**Interior dimensions: 480x370x205 mm**

**565VV-B** — 1 — 005650502
565/4R-565/5R
567/4R-567/5R

520x435x230 mm - 5,4 kg

# GUIDE TO TORQUE WRENCHES

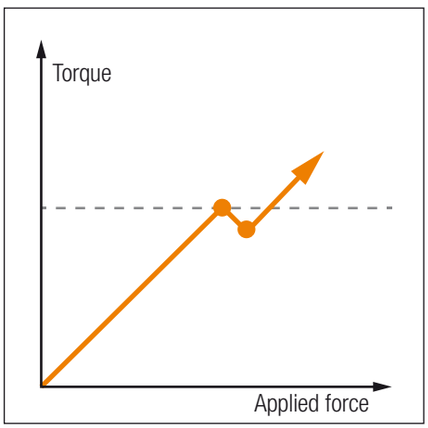
Torque wrenches must always be held in the middle of the handle, in order not to change the lever ratio. They must be operated smoothly and uninterruptedly, avoiding jerks.

The adjustment scale must be reset to zero after use, in order not to affect tightening precision.

Beta provides a wide range of wrenches, with **four different types of operation**.

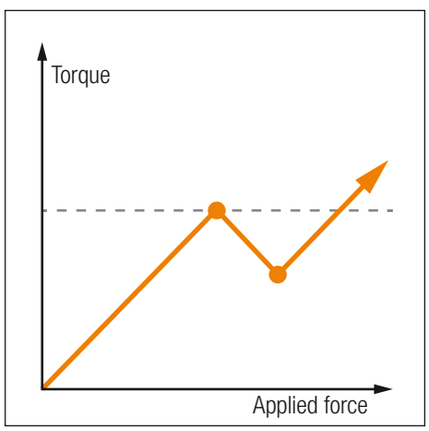
## DIRECT READING MODELS

The applied tightening torque is transmitted directly to the reading index through compression of a coil spring. The applied torque can be read in real time through a pointer. A second pointer can be positioned on the target torque value. When the target torque value is reached, the second pointer will be hooked by the main pointer and record the peak value. Direct reading torque wrenches ensure remarkable accuracy and durability over time.



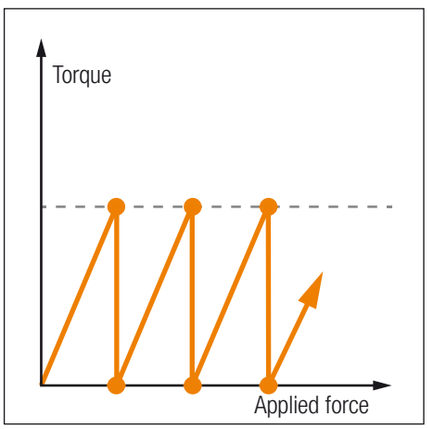

## CLICK-TYPE MODELS

Click-type torque wrenches are the most popular models, as they are easy to use. They enable quick torque preselection by spring loading. The torque value increases as the applied force increases. When the required torque value is reached, a sudden release will occur, and the wrench will not apply any tightening force for approximately 3-5°. If the operator does not interrupt movement, the torque will keep increasing, thereby exceeding the required values.




## BREAK-BACK MODELS

Break-back torque wrenches operate like click-type models, but when the required torque value is reached, a sudden release of the lever arm will occur (approximately 20°). Therefore, it is easier for the operator to stop applying force. They are normally used for high torque values with extremely long lever arms.




## SLIPPING MODELS

When the pre-set torque value is reached, the slipping mechanism will stop the torque from being applied, thereby causing the tool to idle. This will prevent tightening with high torque values compared to the required ones. Keeping applying force will cause the same cycle to be repeated. They are ideal for operations in sequence with low torque values (electronic and micromechanical industries), where avoiding breaking delicate or small-sized parts is a priority.

# FIELDS OF USE FOR TORQUE WRENCHES

**1 Nm = 0,10197 Kgfm = 0,7375 lbf.ft**

| | | Nm |
|---|---|---|
| 1/4" | 590 | 0,3 – 4 |
| | 590/1 | 0,5 – 13,5 |
| | 603/5 | 1 – 5 |
| | 603/10 | 2 – 10 |
| | 605E/5 | 1 – 5 |
| | 605E/10 | 2 – 10 |
| | 666N/2 | 5 – 25 |
| 3/8" | 592/3 | 1 – 27 |
| | 592/4 | 3 – 40 |
| | 599DGT/6 | 12 – 60 |
| | 665/6 | 10 – 60 |
| | 665/10 | 20 – 100 |
| | 665LB/6 | 7 LBF.FT – 45 LBF.FT |
| | 665LB/10 | 15 LBF.FT – 75 LBF.FT |
| | 666N/2X | 5 – 25 |
| | 666N/5 | 10 – 50 |
| | 666N/10 | 20 – 100 |
| | 666N LBF.IN/5 | 90 LBF.IN – 440 LBF.IN |
| | 666N LBF.IN/10 | 200 LBF.IN – 800 LBF.IN |
| | 668RGC/6 | 12 – 60 |
| | 668RGC/10 | 20 – 100 |
| 1/2" | 594/8 | 6 – 80 |
| | 594/21 | 20 – 215 |
| | 599DGT/10X | 20 – 100 |
| | 599DGT/20 | 40 – 200 |
| | 599DGT/30 | 68 – 340 |
| | 599DGT-AN/10 | 20 – 100 |
| | 599DGT-AN/20 | 40 – 200 |
| | 606MQ/50 | 5 – 50 |
| | 610/5 | 90 – 130 |
| | 610L/5 | 90 – 130 |
| | 665/10X | 20 – 100 |
| | 665/20 | 40 – 200 |
| | 665/30 | 60 – 330 |
| | 665LB/10X | 15 LBF.FT – 75 LBF.FT |
| | 665LB/20 | 30 LBF.FT – 150 LBF.FT |
| | 665LB/30 | 45 LBF.FT – 240 LBF.FT |
| | 666N/10X | 20 – 100 |
| | 666N/20 | 40 – 200 |
| | 666N/30 | 60 – 300 |
| | 666N LBF.IN/10X | 200 LBF.IN – 800 LBF.IN |
| | 666N LBF.IN/20 | 400 LBF.IN – 1800 LBF.IN |
| | 666N LBF.IN/30 | 500 LBF.IN – 3000 LBF.IN |
| | 667N/20 | 40 – 200 |
| | 667N/30 | 60 – 300 |
| | 668RGC/10X | 20 – 100 |
| | 668RGC/20 | 40 – 200 |

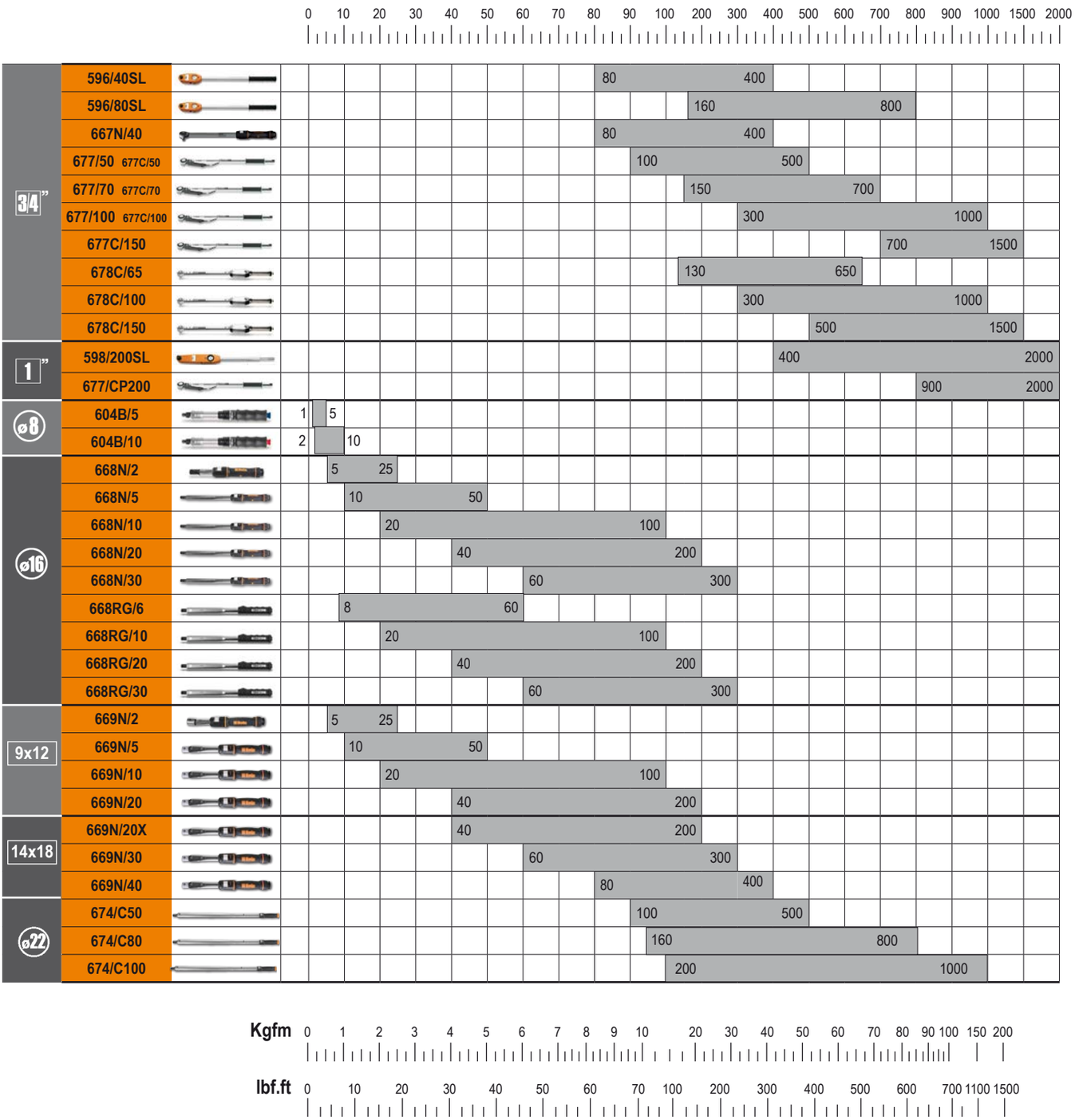
Nm: 0 10 20 30 40 50 60 70 80 90 100 200 300 400 500 600 700 800 900 1000 1500 2000

Kgfm: 0 1 2 3 4 5 6 7 8 9 10 20 30 40 50 60 70 80 90 100 150 200

lbf.ft: 0 10 20 30 40 50 60 70 100 200 300 400 500 600 700 1100 1500

# FIELDS OF USE FOR TORQUE WRENCHES

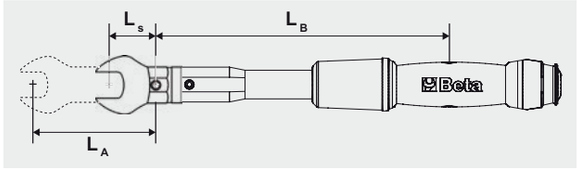
**1 Nm = 0,10197 Kgfm = 0,7375 lbf.ft**




## Torque calculation

The lever arm changes for accessories differing from standard in length, LA ≠LS.
To calculate the correct torque to set, use the formula:

$$C = \frac{M \cdot (L_B + L_S)}{L_B + L_A} \; [N \cdot m]$$




**C** = torque to set

**M** = required torque

$L_A$ = accessory length (see accessory specifications table)

$L_B$ = bar length (see torque bar specifications table)

$L_S$ = standard accessory length (see torque bar specifications table)

## 581

slip-torque screwdriver, **ungraduated**
for right-hand tightening
torque accuracy: ±6%
**(to be used with items 588 - 682)**

UNI EN ISO 6789

| Nm | gfm | ○ | g |
|---|---|---|---|
| 1,2÷6 | 120÷600 | 1/4" | 275 |

| | | |
|---|---|---|
| **581** | 1 | 005810001 |

## 583

slip-torque screwdriver, graduated
for right-hand tightening
torque accuracy: ±6%

UNI EN ISO 6789

| Nm | gfm | ○ | g |
|---|---|---|---|
| 0,3÷1,5 | 30÷150 | 1/4" | 240 |

| | | |
|---|---|---|
| **583/1,5** | 1 | 005830015 |

| Nm | gfm | ○ | g |
|---|---|---|---|
| 0,6÷3 | 60÷300 | 1/4" | 240 |

| | | |
|---|---|---|
| **583/3** | 1 | 005830030 |

| Nm | gfm | ○ | g |
|---|---|---|---|
| 1,2÷6 | 120÷600 | 1/4" | 350 |

| | | |
|---|---|---|
| **583/6** | 1 | 005830060 |

## 583/C31

1 torque screwdriver, 8 hexagon hand sockets, 20 bits and 2 accessories

1/4

| | | |
|---|---|---|
| **583/C31** | 1 | 005830931 |

| | |
|---|---|
| **583/6** | 1.2 - 6 Nm |
| **900** | 4-5-5,5-6-7-8-9-10 mm |
| **860LP** | 0,6x4,5 - 1x5,5 - 1,2x6,5 mm |
| **860PH** | PH1 - PH2 (x2) - PH3 |
| **860PE** | 2-2,5-3-4-5 mm |
| **860TX** | T9-T10-T15-T20-T25-T27-T30-T40 |
| **882P/80** | 80 mm |
| **892/0** | ● 1/4 ■ 1/4 |

270x120x45 mm - 1,2 kg

## 588

electronic digital torque meter

**For testing and setting torque screwdrivers 581-583**
**Reading accuracy: ± 1% of read value**

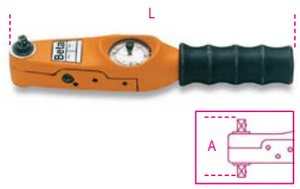
CE

| Nm | lbf.in | □ | kg |
|---|---|---|---|
| 1÷10 | 10÷90 | 1/4" | 1,8 |

| | | |
|---|---|---|
| **588** | 1 | 005880001 |

## 590 - 592

direct reading torque wrenches
for right-hand and left-hand tightening
torque accuracy: ±4%



UNI EN ISO 6789

| Nm | Kgfm | lbf.in | ■ | A mm | L mm | kg |
|---|---|---|---|---|---|---|
| 0,3÷4 | 0,03÷0,4 | 3÷35 | 1/4 | 60 | 253 | 0,52 |

| | | |
|---|---|---|
| **590** | 1 | 005900001 |

| Nm | Kgfm | lbf.in | ■ | A mm | L mm | kg |
|---|---|---|---|---|---|---|
| 0,5÷13,5 | 0,05÷1,35 | 4÷120 | 1/4 | 60 | 253 | 0,52 |

| | | |
|---|---|---|
| **590/1** | 1 | 005900003 |

| Nm | Kgfm | lbf.in | ■ | A mm | L mm | kg |
|---|---|---|---|---|---|---|
| 1÷27 | 0,1÷2,7 | 10÷240 | 3/8 | 70 | 253 | 0,52 |

| | | |
|---|---|---|
| **592/3** | 1 | 005920005 |

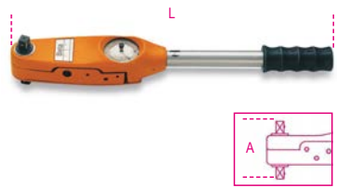
| Nm | Kgfm | lbf.in | ■ | A mm | L mm | kg |
|---|---|---|---|---|---|---|
| 3÷40 | 0,3÷4 | 20÷360 | 3/8 | 70 | 253 | 0,52 |

| | | |
|---|---|---|
| **592/4** | 1 | 005920007 |

## 594

direct reading torque wrenches
for right-hand and left-hand tightening
torque accuracy: ±4%

12"



UNI EN ISO 6789

| Nm | Kgfm | lbf.ft | ■ | A mm | L mm | kg |
|---|---|---|---|---|---|---|
| 6÷80 | 0,6÷8 | 5÷60 | 1/2 | 85 | 455 | 1,35 |

| | | |
|---|---|---|
| **594/8** | 1 | 005940011 |

| Nm | Kgfm | lbf.ft | ■ | A mm | L mm | kg |
|---|---|---|---|---|---|---|
| 20÷215 | 2÷21,5 | 15÷160 | 1/2 | 85 | 530 | 1,40 |

| | | |
|---|---|---|
| **594/21** | 1 | 005940015 |

**Torque calibration service at end of price list**

# 596 - 598

direct reading torque wrenches
for right-hand and left-hand tightening
torque accuracy: ±4%

**A signal light and an intermittent sound mean the pre-set torque load is achieved.**

UNI EN ISO 6789

| Nm | Kgfm | lbf.ft | ■ | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|
| 80÷400 | 8÷40 | 60÷300 | 3/4 | 111 | 710 | 3,2 | 1 | 005960010 |

**596/40SL**

| Nm | Kgfm | lbf.ft | ■ | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|
| 160÷800 | 16÷80 | 120÷600 | 3/4" | 115 | 1025 | 4,85 | 1 | 005960020 |

**596/80SL**

| Nm | Kgfm | lbf.ft | ■ | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|
| 200÷2000 | 20÷200 | 150÷1500 | 1" | 135 | 1930 | 16,70 | 1 | 005980022 |

**598/200SL**

# 599DGT

electronic torque wrench
with reversible ratchet,
right-hand (accuracy: ±2%) and left-hand
(accuracy: ±3%) tightening

- **Dual measurement mode: peak hold and track**
- **Light indicators and an intermittent sound inform user that preset torque has been reached**
- **Power supply: 2 1.5V batteries (included)**

UNI EN ISO 6789

| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|---|
| 12÷60 | 1,2÷6 | 8÷44 | 3/8 | 30 | 33 | 413 | 0,9 | 1 | 005990003 |

**599DGT/6**

| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|---|
| 20÷100 | 2÷10 | 15÷80 | 1/2 | 30 | 37 | 413 | 0,9 | 1 | 005990010 |

**599DGT/10X**

| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|---|
| 40÷200 | 4÷20 | 30÷150 | 1/2 | 40 | 43 | 520 | 2 | 1 | 005990020 |

**599DGT/20**

| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|---|
| 68÷340 | 6,8÷34 | 58÷280 | 1/2 | 40 | 43 | 640 | 2,35 | 1 | 005990030 |

**599DGT/30**

# 599DGT-AN

electronic torque wrench, torque and angle readout,
with reversible ratchet,
right-hand (accuracy: ±2%)
and left-hand (accuracy: ±3%) tightening

- **tightening types: torque, angle, torque + angle**
- **dual measurement mode: peak hold and track**
- **light indicators and an intermittent sound inform user that preset torque or angle has been reached**
- **tightening data storage (up to 250 values)**
- **up to 9 torque/angle values can be preset**
- **key safety lockout**
- **wrench can be associated with 16 users through user ID**
- **tightening data traceability. Software allows date and time, tool serial number, set tightening value and reached value to be stored and associated with user ID**
- **nonslip bi-material handle**
- **included: 2 AA - 1.5V batteries, USB cable and software**

UNI EN 26789
ISO 6789

| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|---|
| 20÷100 | 2÷10 | 15÷80 | 1/2 | 30 | 33 | 413 | 0,9 | 1 | 005990610 |

**599DGT-AN/10**

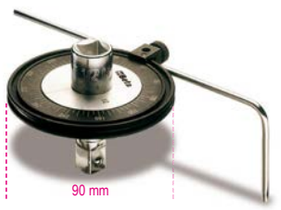
| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|---|
| 40÷200 | 4÷20 | 30÷150 | 1/2 | 40 | 43 | 520 | 1,3 | 1 | 005990620 |

**599DGT-AN/20**

**Torque calibration service at end of price list**

# 600

torque angle indicators




| | □ | ■ | | |
|---|---|---|---|---|
| **600/1** | 1/2 | 1/2 | 1 | 006000001 |
| **600/2** | 3/4 | 3/4 | 1 | 006000002 |

# 601C

digital tangle indicator

**Light signals and an intermittent sound inform user that preset angle has been reached**

| | | |
|---|---|---|
| **601C** | 1 | 006010100 |

85x80x87 mm - 70 g

# 601CA

digital torque and angle indicator

**light indicators and an intermittent sound inform user that preset torque or angle has been reached**

| | □ | ■ | Nm | | |
|---|---|---|---|---|---|
| **601CA** | 1/2" | 1/2" | 10÷200 | 1 | 006010120 |

120x90x120 mm - 240 g

## 603

calibrated slipping torque wrenches
for right-hand tightening
torque accuracy: ±6%

UNI EN ISO 6789

| Nm | Kgfm | lbf.in | ■ | A mm | L mm | g |
|---|---|---|---|---|---|---|
| 1÷5 | 0,1÷0,5 | 10÷45 | 1/4 | 35 | 195 | 235 |

| | | |
|---|---|---|
| **603/5** | 1 | 006030005 |

| Nm | Kgfm | lbf.in | ■ | A mm | L mm | g |
|---|---|---|---|---|---|---|
| 2÷10 | 0,2÷1,0 | 18÷90 | 1/4 | 35 | 195 | 235 |

| | | |
|---|---|---|
| **603/10** | 1 | 006030010 |

## 604B

break-back torque bars
for right-hand and left-hand tightening
torque accuracy: ± 6%

UNI EN ISO 6789

| Nm | kgfm | lbf.in | Ø mm | L mm | g |
|---|---|---|---|---|---|
| 1÷5 | 0,1÷0,5 | 10÷45 | 8 | 220 | 290 |

| | | |
|---|---|---|
| **604B/5** | 1 | 006040015 |

| Nm | Kgfm | lbf.in | Ø mm | L mm | g |
|---|---|---|---|---|---|
| 2÷10 | 0,2÷1,0 | 18÷90 | 8 | 220 | 300 |

| | | |
|---|---|---|
| **604B/10** | 1 | 006040020 |

## 605E

click-type torque wrenches
with reversible ratchets
for right-hand and left-hand tightening
torque accuracy: ± 6%

UNI EN ISO 6789

| Nm | Kgfm | lbf.in | ■ | A mm | L mm | g |
|---|---|---|---|---|---|---|
| 1÷5 | 0,1÷0,5 | 10÷45 | 1/4 | 20 | 190 | 180 |

| | | |
|---|---|---|
| **605E/5** | 1 | 006050105 |

| Nm | Kgfm | lbf.in | ■ | A mm | L mm | g |
|---|---|---|---|---|---|---|
| 2÷10 | 0,2÷1,0 | 18÷90 | 1/4 | 20 | 190 | 180 |

| | | |
|---|---|---|
| **605E/10** | 1 | 006050110 |

## 610/5

click-type torque wrenches
with reversible ratchets,
for right-hand tightening,
with 5 preset values,
torque accuracy: ± 4%

**Selectable torque values:**
**90 - 100 - 110 - 120 - 130 Nm**

UNI EN ISO 6789

| Nm | ■ | D mm | A mm | L mm | g |
|---|---|---|---|---|---|
| 90÷130 | 1/2 | 42 | 39 | 490 | 1330 |

| | | |
|---|---|---|
| **610/5** | 1 | 006100025 |

## 610L/5

click-type torque wrenches
with L-shaped levers,
for right-hand tightening,
with 5 preset values,
torque accuracy: ± 4%

**Selectable torque values:**
**90 - 100 - 110 - 120 - 130 Nm**

UNI EN ISO 6789

| Nm | ■ | L mm | L1 mm | g |
|---|---|---|---|---|
| 90÷130 | 1/2 | 470 | 80 | 1350 |

| | | |
|---|---|---|
| **610L/5** | 1 | 006100125 |

## 611

reversible ratchets
for torque bars items 604B/5 and 604B/10
8 mm drive

| ■ | L mm | | |
|---|---|---|---|
| **1/4** | 42,5 | 1 | 006110001 |

**Torque calibration service at end of price list**

## 612 ÷ 614

reversible ratchets for torque bars

**Items 612 and 612X should not be used with tightening torques exceeding 100 Nm**

| | ■ | L mm | LA mm | | |
|---|---|---|---|---|---|
| **612** | 3/8 | 66 | 32 | 2 | 006120000 |
| **612X** | 1/2 | 66 | 32 | 2 | 006120010 |
| **614** | 1/2 | 71 | 32 | 2 | 006140000 |
| **614X** | 3/4 | 71 | 32 | 2 | 006140004 |

## 614/50

push-through ratchet for torque bars

| | ■ | L mm | LA mm | | |
|---|---|---|---|---|---|
| **614/50** | 1/2 | 71 | 32 | 2 | 006140002 |

**Spare parts**
**rotating mechanism of ratchets,**
**see table after item 929/C8**

## 615

reversible ratchets
for torque bars, rectangular drive

| ■ mm | ■ | L mm | LA mm | | |
|---|---|---|---|---|---|
| **9x12** | 3/8 | 53 | 28,8 | 1 | 006150010 |
| **9x12** | 1/2 | 53 | 28,8 | 1 | 006150020 |
| **14x18** | 1/2 | 70 | 39,8 | 1 | 006150120 |

## 616 - 617 - 619

fixed heads for torque bars

| | ■ | L mm | LA mm | | |
|---|---|---|---|---|---|
| **616** | 1/4 | 61 | 32 | 1 | 006160000 |
| **617** | 3/8 | 61 | 32 | 1 | 006170000 |
| **619** | 1/2 | 63 | 32 | 1 | 006190000 |

## 621
bit holder accessories
for torque bars, rectangular drive

| | ■ mm | ○ | L mm | LA mm | | |
|---|---|---|---|---|---|---|
| P 1/4 | 9x12 | 1/4 | 40 | 28,8 | 1 | 006210000 |
| * P 5/16 | 14x18 | 5/16 | 61 | 32,5 | 1 | 006210110 |

***Caution! Recalculate torque value to set as shown in table at end of price list**

## 622
reversible ratchets
for torque bars,
round drive, Ø 22 mm

3/4"
1"
ø22

| | ■ | L mm | LA mm | | |
|---|---|---|---|---|---|
| 622 3/4 | 3/4 | 110 | 56 | 1 | 006220019 |
| 622 1 | 1 | 110 | 56 | 1 | 006220024 |

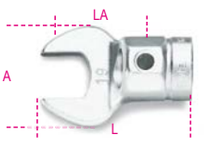
## 641
open jaw wrenches
for torque bars 604B/5 and 604B/10
8 mm drive

ø8

| mm | L mm | | |
|---|---|---|---|
| 4 | 37 | 1 | 006410003 |
| 5 | 37 | 1 | 006410004 |
| 5,5 | 37 | 1 | 006410005 |
| 6 | 37 | 1 | 006410006 |
| 7 | 37 | 1 | 006410007 |
| 8 | 42 | 1 | 006410008 |
| 9 | 42 | 1 | 006410009 |
| 10 | 42 | 1 | 006410010 |

## 642
open jaw wrenches for torque bars

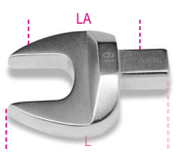
ø16




| mm | L mm | LA mm | A mm | | |
|---|---|---|---|---|---|
| 8 | 54 | 32 | 22 | 1 | 006420008 |
| 10 | 57 | 32 | 26 | 1 | 006420010 |
| 12 | 58 | 32 | 30 | 1 | 006420012 |
| 13 | 58 | 32 | 30 | 1 | 006420013 |
| 14 | 59 | 32 | 32 | 1 | 006420014 |
| 15 | 59 | 32 | 35 | 1 | 006420015 |
| 16 | 59 | 32 | 38 | 1 | 006420016 |
| 17 | 60 | 32 | 39 | 1 | 006420017 |
| 18 | 61 | 32 | 42 | 1 | 006420018 |
| 19 | 61 | 32 | 43 | 1 | 006420019 |
| 20 | 61 | 32 | 50 | 1 | 006420020 |
| 21 | 62 | 32 | 53 | 1 | 006420021 |
| 22 | 62 | 32 | 53 | 1 | 006420022 |
| 23 | 65 | 32 | 53 | 1 | 006420023 |
| 24 | 63 | 32 | 53 | 1 | 006420024 |
| 26 | 64 | 32 | 59 | 1 | 006420026 |
| 27 | 65 | 32 | 59 | 1 | 006420027 |
| 28 | 66 | 32 | 64 | 1 | 006420028 |
| 30 | 66 | 32 | 66 | 1 | 006420030 |
| 32 | 67 | 32 | 66 | 1 | 006420032 |
| * 36 | 76 | 42 | 80 | 1 | 006420036 |
| * 40 | 77 | 52 | 95 | 1 | 006420040 |
| * 41 | 78 | 52 | 95 | 1 | 006420041 |
| * 46 | 90 | 52 | 95 | 1 | 006420046 |

***Caution! Recalculate torque value to set as shown in table at end of price list**

## 643
open jaw wrenches
for torque bars, rectangular drive



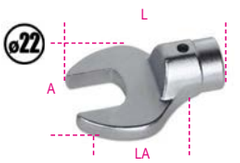

| mm | ■ mm | L mm | LA mm | | |
|---|---|---|---|---|---|
| 7 | 9X12 | 37 | 28,8 | 1 | 006430007 |
| 8 | 9x12 | 37 | 28,8 | 1 | 006430008 |
| 10 | 9x12 | 39 | 28,8 | 1 | 006430010 |
| 12 | 9x12 | 39 | 28,8 | 1 | 006430012 |
| 13 | 9x12 | 39 | 28,8 | 1 | 006430013 |
| 14 | 9x12 | 43 | 28,8 | 1 | 006430014 |
| 15 | 9x12 | 43 | 28,8 | 1 | 006430015 |
| 16 | 9x12 | 43 | 28,8 | 1 | 006430016 |
| 17 | 9x12 | 43 | 28,8 | 1 | 006430017 |
| * 18 | 9x12 | 47 | 36,3 | 1 | 006430018 |
| * 19 | 9x12 | 51 | 36,3 | 1 | 006430019 |
| * 21 | 9X12 | 52 | 36,3 | 1 | 006430021 |
| * 22 | 9x12 | 52 | 36,3 | 1 | 006430022 |

***Caution! Recalculate torque value to set as shown in table at end of price list**

| mm | ■ mm | L mm | LA mm | | |
|---|---|---|---|---|---|
| 13 | 14x18 | 60 | 39,8 | 1 | 006430113 |
| 14 | 14x18 | 58 | 39,8 | 1 | 006430114 |
| 15 | 14x18 | 60 | 39,8 | 1 | 006430115 |
| 16 | 14x18 | 60 | 39,8 | 1 | 006430116 |
| 17 | 14x18 | 60 | 39,8 | 1 | 006430117 |
| 18 | 14x18 | 61 | 39,8 | 1 | 006430118 |
| 19 | 14x18 | 61 | 39,8 | 1 | 006430119 |
| 21 | 14x18 | 61 | 39,8 | 1 | 006430121 |
| 22 | 14x18 | 62 | 39,8 | 1 | 006430122 |
| 24 | 14x18 | 64 | 39,8 | 1 | 006430124 |
| * 27 | 14x18 | 68 | 44,8 | 1 | 006430127 |
| * 30 | 14x18 | 77 | 49,8 | 1 | 006430130 |
| * 32 | 14x18 | 77 | 49,8 | 1 | 006430132 |
| * 34 | 14x18 | 80 | 54,8 | 1 | 006430134 |
| * 36 | 14x18 | 83 | 54,8 | 1 | 006430136 |
| * 38 | 14X18 | 83 | 54,8 | 1 | 006430138 |
| * 41 | 14x18 | 91 | 64,8 | 1 | 006430141 |

***Caution! Recalculate torque value to set as shown in table at end of price list**

## 644
open jaw wrenches
for torque bars,
round drive, Ø 22 mm




| mm | L mm | LA mm | A mm | | |
|---|---|---|---|---|---|
| 22 | 91 | 56 | 52 | 1 | 006440022 |
| 24 | 91 | 56 | 52 | 1 | 006440024 |
| 27 | 94 | 56 | 64 | 1 | 006440027 |
| 30 | 94 | 56 | 64 | 1 | 006440030 |
| 32 | 97 | 56 | 75,5 | 1 | 006440032 |
| 34 | 97 | 56 | 75,5 | 1 | 006440034 |
| 36 | 97 | 56 | 75,5 | 1 | 006440036 |
| 41 | 103,5 | 56 | 94 | 1 | 006440041 |
| 46 | 115,5 | 56 | 94 | 1 | 006440046 |

## 650A
adjustable wrenches
for torque bars,
rectangular drive

| A min-max mm | ■ mm | L mm | LA mm | | |
|---|---|---|---|---|---|
| * 5-27 | 9X12 | 93 | 74,3 | 1 | 006500027 |
| * 5-30 | 9X12 | 106 | 85,3 | 1 | 006500030 |
| * 5-30 | 14X18 | 115 | 89 | 1 | 006500130 |
| * 10-41 | 14X18 | 127 | 100 | 1 | 006500141 |

***Caution! Recalculate torque value to set as shown in table at end of price list**

## 650H

hook wrenches
for torque bars,
rectangular drive

| mm | ■ mm | L mm | LA mm | | |
|---|---|---|---|---|---|
| * 28-36 | 14x18 | 122 | 92 | 1 | 006500928 |
| * 40-45 | 14x18 | 129 | 92 | 1 | 006500940 |
| * 50-55 | 14x18 | 129 | 92 | 1 | 006500950 |
| * 58-62 | 14x18 | 135 | 92 | 1 | 006500958 |
| * 68-75 | 14x18 | 139 | 92 | 1 | 006500968 |
| * 80-90 | 14x18 | 145 | 92 | 1 | 006500980 |

***Caution! Recalculate torque value to set as shown in table at end of price list**

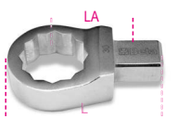
## 652

ring wrenches for torque bars

| mm | L mm | LA mm | | |
|---|---|---|---|---|
| 8 | 58 | 32 | 1 | 006520008 |
| 10 | 58 | 32 | 1 | 006520010 |
| 12 | 58 | 32 | 1 | 006520012 |
| 13 | 58 | 32 | 1 | 006520013 |
| 14 | 58 | 32 | 1 | 006520014 |
| 15 | 62 | 32 | 1 | 006520015 |
| 16 | 63 | 32 | 1 | 006520016 |
| 17 | 64 | 32 | 1 | 006520017 |
| 18 | 65 | 32 | 1 | 006520018 |
| 19 | 65 | 32 | 1 | 006520019 |
| 21 | 67 | 32 | 1 | 006520021 |
| 22 | 68 | 32 | 1 | 006520022 |
| 24 | 69 | 32 | 1 | 006520024 |
| 26 | 71 | 32 | 1 | 006520026 |
| 27 | 71 | 32 | 1 | 006520027 |
| 30 | 73 | 32 | 1 | 006520030 |
| 32 | 74 | 32 | 1 | 006520032 |

## 653

ring wrenches
for torque bars, rectangular drive




| mm | ■ mm | L mm | LA mm | | |
|---|---|---|---|---|---|
| 7 | 9X12 | 40 | 28,8 | 1 | 006530007 |
| 8 | 9x12 | 40 | 28,8 | 1 | 006530008 |
| 10 | 9x12 | 43 | 28,8 | 1 | 006530010 |
| 12 | 9x12 | 44 | 28,8 | 1 | 006530012 |
| 13 | 9x12 | 44 | 28,8 | 1 | 006530013 |
| 14 | 9x12 | 45 | 28,8 | 1 | 006530014 |
| 15 | 9x12 | 46 | 28,8 | 1 | 006530015 |
| 16 | 9x12 | 47 | 28,8 | 1 | 006530016 |
| 17 | 9x12 | 47 | 28,8 | 1 | 006530017 |
| 18 | 9x12 | 48 | 28,8 | 1 | 006530018 |
| 19 | 9x12 | 49 | 28,8 | 1 | 006530019 |
| 21 | 9X12 | 51 | 28,8 | 1 | 006530021 |
| 22 | 9x12 | 51 | 28,8 | 1 | 006530022 |

| mm | ■ mm | L mm | LA mm | | |
|---|---|---|---|---|---|
| 13 | 14x18 | 61 | 39,8 | 1 | 006530113 |
| 14 | 14x18 | 61 | 39,8 | 1 | 006530114 |
| 15 | 14x18 | 62 | 39,8 | 1 | 006530115 |
| 16 | 14x18 | 63 | 39,8 | 1 | 006530116 |

***Caution! Recalculate torque value to set as shown in table at end of price list**

| mm | ■ mm | L mm | LA mm | | |
|---|---|---|---|---|---|
| 17 | 14x18 | 64 | 39,8 | 1 | 006530117 |
| 18 | 14x18 | 64 | 39,8 | 1 | 006530118 |
| 19 | 14x18 | 66 | 39,8 | 1 | 006530119 |
| 21 | 14x18 | 66 | 39,8 | 1 | 006530121 |
| 22 | 14x18 | 67 | 39,8 | 1 | 006530122 |
| 24 | 14x18 | 69 | 39,8 | 1 | 006530124 |
| * 27 | 14x18 | 76 | 44,8 | 1 | 006530127 |
| * 30 | 14x18 | 77 | 44,8 | 1 | 006530130 |
| * 32 | 14x18 | 79 | 44,8 | 1 | 006530132 |
| * 34 | 14x18 | 80 | 44,8 | 1 | 006530134 |
| * 36 | 14x18 | 80 | 44,8 | 1 | 006530136 |
| * 38 | 14X18 | 90 | 49,8 | 1 | 006530138 |
| * 41 | 14x18 | 90 | 49,8 | 1 | 006530141 |

***Caution! Recalculate torque value to set as shown in table at end of price list**

## 654

ring wrenches
for torque bars,
round drive, Ø 22 mm

| mm | L mm | LA mm | A mm | | |
|---|---|---|---|---|---|
| 22 | 98,5 | 56 | 38 | 1 | 006540022 |
| 24 | 98,5 | 56 | 38 | 1 | 006540024 |
| 27 | 102,8 | 56 | 46,5 | 1 | 006540027 |
| 30 | 102,8 | 56 | 46,5 | 1 | 006540030 |
| 32 | 106,5 | 56 | 55 | 1 | 006540032 |
| 34 | 106,5 | 56 | 55 | 1 | 006540034 |
| 36 | 106,5 | 56 | 55 | 1 | 006540036 |
| 41 | 115,5 | 56 | 72 | 1 | 006540041 |
| 46 | 115,5 | 56 | 72 | 1 | 006540046 |

## 659/15

adaptor with rectangular female (14x18 mm)
and male (9x12 mm) drives

| mm | □ mm | ■ mm | LA mm | | |
|---|---|---|---|---|---|
| * 56 | 14x18 | 9x12 | 39 | 1 | 006590815 |

***Caution! Recalculate torque value to set as shown in table at end of price list**

**Always apply torque loads evenly and progressively to avoid breakage and any possible injury.**

## 659/16

adaptor with rectangular female (9x12 mm)
and male (14x18 mm) drives

| mm | □ mm | ■ mm | LA mm | | |
|---|---|---|---|---|---|
| * 52 | 9x12 | 14x18 | 31 | 1 | 006590816 |

***Caution! Recalculate torque value to set as shown in table at end of price list**

# 665 MECHANICAL TORQUE WRENCH WITH DIGITAL READOUT

Torque wrench 665 matches the sturdiness and reliability of Beta's tried-and-test mechanism and established ratchet with quick readings and an accurate digital system.

## RELIABILITY
Beta's sturdy ratchet results in smooth movements and a take-up angle of no more than 5°.

## ACCURACY
±3% improved accuracy compared to standard requirements.

## SMOOTHNESS
The click mechanism translates into lighter movements and improved accuracy.

## LONG OPERATING LIFE

## DIGITAL READING
The torque value is easier to set and read.

## CALIBRATION
Multi-point calibration, to correct nonlinear spring behaviour, obtained with Beta's torque meters 682, without taking the wrench apart.

## RAPIDITY
Quick, efficient torque adjustment.

## QUICK, ACCURATE DIGITAL TORQUE ADJUSTMENT

## 665
mechanical torque wrench with digital setting and reversible ratchet, for right-hand tightening, torque accuracy ± 3%

- **Auto power off after 10" when torque is set under minimum torque threshold**
- **Display will remain on with set torque value**
- **Torque setting to decimal digit**
- **Power supply: battery 1 3V (included)**

UNI EN ISO 6789

| Nm | ■ | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|
| 10÷60 | 3/8 | 30 | 33 | 335 | 655 | | |
| **665/6** | | | | | | 1 | 006650006 |
| 20÷100 | 3/8 | 30 | 33 | 375 | 725 | | |
| **665/10** | | | | | | 1 | 006650010 |
| 20÷100 | 1/2 | 30 | 37 | 375 | 725 | | |
| **665/10X** | | | | | | 1 | 006650011 |
| 40÷200 | 1/2 | 40 | 43 | 470 | 995 | | |
| **665/20** | | | | | | 1 | 006650020 |
| 60÷330 | 1/2 | 40 | 43 | 590 | 1260 | | |
| **665/30** | | | | | | 1 | 006650030 |

## 665LB

mechanical torque wrench, digital readout, with reversible ratchet, for right-hand tightening, torque accuracy: ± 3%

- Unit of measurement: lbf.ft
- Torque is easy to set and read through value shown on display
- Display remains on with set torque value
- Torque reading to 0.1 mm
- Automatic switch-off after 30 sec. with torque setting under minimum threshold
- Power supply: 1 3V battery (included)

UNI EN ISO 6789

| lbf.ft | ■ | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|
| 7÷45 | 3/8 | 30 | 33 | 335 | 655 | | |
| **665LB/6** | | | | | | 1 | 006650106 |
| lbf.ft | ■ | D mm | A mm | L mm | g | | |
| 15÷75 | 3/8 | 30 | 33 | 375 | 725 | | |
| **665LB/10** | | | | | | 1 | 006650110 |
| lbf-ft | ■ | D mm | A mm | L mm | g | | |
| 15÷75 | 1/2 | 30 | 37 | 375 | 725 | | |
| **665LB/10X** | | | | | | 1 | 006650111 |
| lbf.ft | ■ | D mm | A mm | L mm | g | | |
| 30÷150 | 1/2 | 40 | 43 | 470 | 995 | | |
| **665LB/20** | | | | | | 1 | 006650120 |
| lbf.ft | ■ | D mm | A mm | L mm | g | | |
| 45÷240 | 1/2 | 40 | 43 | 590 | 1260 | | |
| **665LB/30** | | | | | | 1 | 006650130 |

## 665SW

calibration device

- Device allows calibration of wrenches item 665 with help of torque meters 680 and 682, without having to dismantle wrench.
- Calibration is performed on several points, to compensate for nonlinear behaviour of spring.
- Fitted with a micro USB port, for firmware updates.

| | | |
|---|---|---|
| **665SW** | 1 | 006650100 |

# 666N CLICK-TYPE TORQUE WRENCHES

17 meshing teeth allow excellent effort distribution




Scale increased for improved visibility and setting accuracy



Handle and lens materials resistant to all chemical substances used in automotive sector, industry and aviation

Extremely high torque adjustment speed

Red colour of o-ring indicates that wrench is unlocked and torque can be adjusted

## 666N

click-type torque wrenches with reversible ratchets, for right-hand tightening, torque accuracy: ±3%

UNI EN ISO 6789

| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 5÷25 | 0,5÷2,5 | 4÷18 | 1/4 | 25 | 29 | 220 | 300 | | |
| **666N/2** | | | | | | | | 1 | 006660002 |
| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | g | | |
| 5÷25 | 0,5÷2,5 | 4÷18 | 3/8 | 25 | 29 | 220 | 300 | | |
| **666N/2X** | | | | | | | | 1 | 006660003 |
| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | g | | |
| 10÷50 | 1÷5 | 7÷37 | 3/8 | 30 | 33 | 325 | 660 | | |
| **666N/5** | | | | | | | | 1 | 006660005 |
| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | g | | |
| 20÷100 | 2÷10 | 15÷75 | 3/8 | 30 | 33 | 367 | 730 | | |
| **666N/10** | | | | | | | | 1 | 006660010 |
| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | g | | |
| 20÷100 | 2÷10 | 15÷75 | 1/2 | 30 | 37 | 367 | 800 | | |
| **666N/10X** | | | | | | | | 1 | 006660011 |
| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | g | | |
| 40÷200 | 4÷20 | 30÷150 | 1/2 | 40 | 43 | 465 | 1010 | | |
| **666N/20** | | | | | | | | 1 | 006660020 |
| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | g | | |
| 60÷300 | 6÷30 | 50÷220 | 1/2 | 40 | 43 | 581 | 1380 | | |
| **666N/30** | | | | | | | | 1 | 006660030 |

## 666N LBF.IN

click-type torque wrenches
with reversible ratchets,
for right-hand tightening
torque accuracy: ±3%

• Scale in pounds force per inch

UNI EN ISO 6789

| lbf.in | ■ | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|
| 90÷440 | 3/8 | 30 | 33 | 325 | 660 | 1 | 006660055 |
| **666N-LBF.IN/5** | | | | | | | |

| lbf.in | ■ | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|
| 200÷900 | 3/8 | 30 | 33 | 367 | 730 | 1 | 006660070 |
| **666N-LBF.IN/10** | | | | | | | |

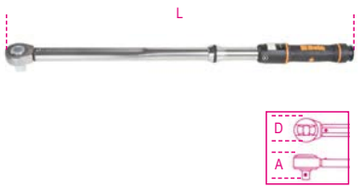
| lbf.in | ■ | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|
| 200÷900 | 1/2 | 30 | 37 | 367 | 800 | 1 | 006660071 |
| **666N-LBF.IN/10X** | | | | | | | |

| lbf.in | ■ | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|
| 400÷1800 | 1/2 | 40 | 43 | 465 | 1010 | 1 | 006660072 |
| **666N-LBF.IN/20** | | | | | | | |

| lbf.in | ■ | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|
| 500÷3000 | 1/2 | 40 | 43 | 581 | 1380 | 1 | 006660073 |
| **666N-LBF.IN/30** | | | | | | | |

## 667N

click-type torque wrenches
with push-through ratchets,
for right-hand and left-hand tightening,
torque accuracy: ±3%




UNI EN ISO 6789

| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 40÷200 | 4÷20 | 30÷150 | 1/2 | 40 | 43 | 465 | 1010 | 1 | 006670020 |
| **667N/20** | | | | | | | | | |

| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 60÷300 | 6÷30 | 50÷220 | 1/2 | 40 | 43 | 581 | 1380 | 1 | 006670030 |
| **667N/30** | | | | | | | | | |

| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 80÷400 | 8÷40 | 60÷295 | 3/4 | 50 | 50 | 687 | 2090 | 1 | 006670040 |
| **667N/40** | | | | | | | | | |

**Spare parts**
**rotating mechanism of ratchets,**
**see table after item 929/C8**

## 668N

click-type torque bars,
for right-hand and left-hand tightening,
torque accuracy: ±3%

UNI EN ISO 6789

| Nm | Kgfm | lbf.ft | Ø mm | L mm | LB mm | LS mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 5÷25 | 0,5÷2,5 | 4÷18 | 16 | 220 | 148 | 32 | 300 | 1 | 006680002 |
| **668N/2** | | | | | | | | | |

| Nm | Kgfm | lbf.ft | Ø mm | L mm | LB mm | LS mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 10÷50 | 1÷5 | 7÷37 | 16 | 307 | 229 | 32 | 590 | 1 | 006680005 |
| **668N/5** | | | | | | | | | |

| Nm | Kgfm | lbf.ft | Ø mm | L mm | LB mm | LS mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 20÷100 | 2÷10 | 15÷75 | 16 | 376 | 269 | 32 | 670 | 1 | 006680010 |
| **668N/10** | | | | | | | | | |

| Nm | Kgfm | lbf.ft | Ø mm | L mm | LB mm | LS mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 40÷200 | 4÷20 | 30÷150 | 16 | 450 | 352,6 | 32 | 795 | 1 | 006680020 |
| **668N/20** | | | | | | | | | |

| Nm | Kgfm | lbf.ft | Ø mm | L mm | LB mm | LS mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 60÷300 | 6÷30 | 50÷220 | 16 | 588 | 475,9 | 32 | 1230 | 1 | 006680030 |
| **668N/30** | | | | | | | | | |

## 668RG

click-type torque bar, ungraduated
for right-hand and left-hand tightening
torque accuracy: ± 4%
(to be used with items 680 - 682)

UNI EN ISO 6789

| Nm | Kgfm | lbf.ft | Ø mm | L mm | g | | |
|---|---|---|---|---|---|---|---|
| 8÷60 | 0,8÷6 | 6÷44 | 16 | 288 | 550 | 1 | 006680206 |
| **668RG/6** | | | | | | | |

| Nm | Kgfm | lbf.ft | Ø mm | L mm | g | | |
|---|---|---|---|---|---|---|---|
| 20÷100 | 2÷10 | 15÷80 | 16 | 315 | 600 | 1 | 006680210 |
| **668RG/10** | | | | | | | |

| Nm | Kgfm | lbf.ft | Ø mm | L mm | g | | |
|---|---|---|---|---|---|---|---|
| 40÷200 | 4÷20 | 30÷150 | 16 | 405 | 780 | 1 | 006680220 |
| **668RG/20** | | | | | | | |

| Nm | Kgfm | lbf.ft | Ø mm | L mm | g | | |
|---|---|---|---|---|---|---|---|
| 60÷300 | 6÷30 | 50÷220 | 16 | 645 | 1130 | 1 | 006680230 |
| **668RG/30** | | | | | | | |

## 668RGC

click-type torque wrench,
ungraduated,
for right-hand tightening,
torque accuracy: ± 4%
(for use with items 680/40 - 682)

UNI EN ISO 6789

| Nm | Kgfm | lbf.in | ■ mm | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 12÷60 | 1,2÷6 | 5÷45 | 3/8 | 30 | 33 | 295 | 600 | 1 | 006680406 |
| **668RGC/6** | | | | | | | | | |

| Nm | Kgfm | lbf.in | ■ mm | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 20÷100 | 2÷10 | 15÷75 | 3/8 | 30 | 33 | 335 | 700 | 1 | 006680410 |
| **668RGC/10** | | | | | | | | | |

| Nm | Kgfm | lbf.in | ■ mm | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 20÷100 | 2÷10 | 15÷75 | 1/2 | 40 | 43 | 342 | 700 | 1 | 006680411 |
| **668RGC/10X** | | | | | | | | | |

| Nm | Kgfm | lbf.in | ■ mm | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 40÷200 | 4÷20 | 30÷150 | 1/2 | 40 | 43 | 425 | 1000 | 1 | 006680420 |
| **668RGC/20** | | | | | | | | | |

## 669N

click-type torque bars,
rectangular drive,
for right-hand and left-hand tightening,
torque accuracy: ±3%

UNI EN ISO 6789

| Nm | Kgfm | lbf.ft | □ mm | L mm | LB mm | LS mm | g |
|---|---|---|---|---|---|---|---|
| 5÷25 | 0,5÷2,5 | 4÷18 | 9x12 | 215 | 140 | 28,8 | 300 |

**669N/2** — 1 — 006690202

| Nm | Kgfm | lbf.ft | □ mm | L mm | LB mm | LS mm | g |
|---|---|---|---|---|---|---|---|
| 10÷50 | 1÷5 | 7÷37 | 9x12 | 307 | 226,8 | 28,8 | 590 |

**669N/5** — 1 — 006690205

| Nm | Kgfm | lbf.ft | □ mm | L mm | LB mm | LS mm | g |
|---|---|---|---|---|---|---|---|
| 20÷100 | 2÷10 | 15÷75 | 9x12 | 376 | 266,8 | 28,8 | 670 |

**669N/10** — 1 — 006690210

| Nm | Kgfm | lbf.ft | □ mm | L mm | LB mm | LS mm | g |
|---|---|---|---|---|---|---|---|
| 40÷200 | 4÷20 | 30÷150 | 9x12 | 450 | 345,6 | 28,8 | 795 |

**669N/20** — 1 — 006690220

| Nm | Kgfm | lbf.ft | □ mm | L mm | LB mm | LS mm | g |
|---|---|---|---|---|---|---|---|
| 40÷200 | 4÷20 | 30÷150 | 14x18 | 450 | 351 | 39,8 | 795 |

**669N/20X** — 1 — 006690221

| Nm | Kgfm | lbf.ft | □ mm | L mm | LB mm | LS mm | g |
|---|---|---|---|---|---|---|---|
| 60÷300 | 6÷30 | 50÷220 | 14x18 | 588 | 468,5 | 39,8 | 1230 |

**669N/30** — 1 — 006690230

| Nm | Kgfm | lbf.ft | □ mm | L mm | LB mm | LS mm | g |
|---|---|---|---|---|---|---|---|
| 80÷400 | 8÷40 | 60÷295 | 14x18 | 664 | 563 | 39,8 | 2100 |

**669N/40** — 1 — 006690240

## 671B/C5

torque bar item 604B/5 and accessories

**671B/C5** — 1 — 006710001

| | | |
|---|---|---|
| 604B/5 | 1÷5 Nm |
| 611 | 1/4 |
| 641 | 5-6-7-8 mm |
| 900 | 4-5-5,5-6-7-8-9-10 mm |

270x120x45 mm - 1,3 kg

## 671B/C10

torque bar item 604B/10 and accessories

**671B/C10** — 1 — 006710002

| | | |
|---|---|---|
| 604B/10 | 2÷10 Nm |
| 611 | 1/4 |
| 641 | 6-7-8-10 mm |
| 900 | 4-5-5,5-6-7-8-9-10 mm |

270x120x45 mm - 1,4 kg

## 671N/C10

torque bar 668N/10
and accessories

**671N/C10** — 1 — 006710110

| | | |
|---|---|---|
| 668N/10 | 100 Nm |
| 612 | ■ 3/8 |
| 617 | ■ 3/8 |
| 642 | 10-13-14-17-19 mm |
| 652 | 10-13-14-17-19 mm |
| 910A | □ 3/8 8-10-11-13-14-17-19 mm |
| 910/21 | 125 mm |
| 910/22 | 250 mm |

400x180x45 mm - 4,3 kg

## 671N/C20

torque bar 668N/20
and accessories

**671N/C20** — 1 — 006710120

| | | |
|---|---|---|
| 668N/20 | 200 Nm |
| 614 | ■ 1/2 |
| 619 | ■ 1/2 |
| 642 | 10-13-14-17-19 mm |
| 652 | 10-13-14-17-19 mm |
| 920A | □ 1/2 10-11-13-14-17-19-22 mm |
| 920/20 | 75 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |

510x180x45 mm - 5,5 kg

## 671N/C30

torque bar 668N/30
and accessories

**671N/C30** — 1 — 006710130

| | | |
|---|---|---|
| 668N/30 | 300 Nm |
| 614 | ■ 1/2 |
| 619 | ■ 1/2 |
| 642 | 13-14-17-19 mm |
| 652 | 13-14-17-19 mm |
| 920A | □ 1/2 13-14-17-19-22-24-27 mm |
| 920/20 | 75 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |

620x180x45 mm - 5,8 kg

## 674/C

click-type torque bars,
round drive Ø 22 mm,
for right-hand and left-hand tightening,
torque accuracy: ± 4%,
in case

UNI EN ISO 6789

| Nm | Kgfm | lbf.ft | Ø mm | L mm | LB mm | LS mm | kg | | |
|---|---|---|---|---|---|---|---|---|---|
| 100÷500 | 10÷50 | 80÷400 | 22 | 786 | 725 | 56 | 3,4 | 1 | 006740005 |
| **674/C50** | | | | | | | | | |
| 160÷800 | 16÷80 | 120÷600 | 22 | 997 | 915 | 56 | 4,5 | 1 | 006740008 |
| **674/C80** | | | | | | | | | |
| 200÷1000 | 20÷100 | 150÷750 | 22 | 997 | 915 | 56 | 4,5 | 1 | 006740010 |
| **674/C100** | | | | | | | | | |

## 677

break-back torque wrenches
with push-through ratchets
for right-hand and left-hand tightening
torque accuracy: ±4%

3/4"

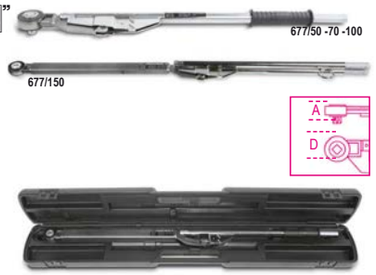
UNI EN ISO 6789

| Nm | Kgfm | lbf.ft | D mm | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|
| 100÷500 | 10÷50 | 70÷350 | 70 | 55 | 915 | 5,2 | 1 | 006770050 |
| **677/50** | | | | | | | | |
| 150÷700 | 15÷70 | 100÷500 | 70 | 55 | 1140 | 6,2 | 1 | 006770070 |
| **677/70** | | | | | | | | |
| 300÷1000 | 30÷100 | 200÷750 | 70 | 55 | 1470 | 7,5 | 1 | 006770100 |
| **677/100** | | | | | | | | |

## 677/C

break-back torque wrenches
with push-through ratchets,
for right-hand and left-hand tightening,
torque accuracy: ±4%
in case

3/4"




UNI EN ISO 6789

| Nm | Kgfm | lbf.ft | D mm | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|
| 100÷500 | 10÷50 | 70÷350 | 70 | 55 | 915 | 5,2 | 1 | 006770606 |
| **677/C50** | | | | | | | | |
| 150÷700 | 15÷70 | 100÷500 | 70 | 55 | 1140 | 6,2 | 1 | 006770611 |
| **677/C70** | | | | | | | | |
| 300÷1000 | 30÷100 | 200÷750 | 70 | 55 | 1470 | 7,5 | 1 | 006770615 |
| **677/C100** | | | | | | | | |
| 700÷1500 | 70÷150 | 500÷1000 | 70 | 70 | 1475 | 10,4 | 1 | 006770620 |
| **677/C150** | | | | | | | | |

## 677/CP200

break-back torque wrenches
with push-through ratchets,
for right-hand and left-hand tightening,
torque accuracy: ± 4%
in case

1"

UNI EN ISO 6789

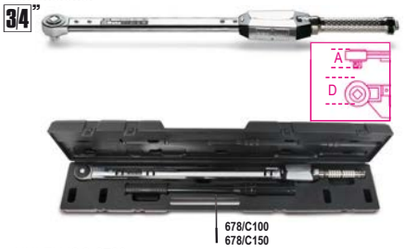
| Nm | kgfm | lbf.ft | D mm | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|
| 900÷2000 | 90÷200 | 600÷1500 | 70 | 63 | 1920 | 13 | 1 | 006770720 |
| **677/CP200** | | | | | | | | |

## 678/C

click-type torque wrenches
with push-through ratchets
for right-hand and left-hand tightening,
torque accuracy: ± 4%
in case

**• Models 678/C100 and 678/C150 supplied complete with extensions.**

3/4"




UNI EN ISO 6789

| Nm | Kgfm | lbf.ft | D mm | A mm | L mm | kg | | |
|---|---|---|---|---|---|---|---|---|
| 130÷650 | 13÷65 | 100÷480 | 63 | 55 | 885 | 3,9 | 1 | 006780607 |
| **678/C65** | | | | | | | | |
| 300÷1000 | 30÷100 | 220÷750 | 75 | 60 | 1250 | 6,0 | 1 | 006780611 |
| **678/C100** | | | | | | | | |
| 500÷1500 | 50÷150 | 370÷1100 | 75 | 60 | 1570 | 8,5 | 1 | 006780615 |
| **678/C150** | | | | | | | | |

## 677/CV - 678/CV

empty cases for torque wrenches
items 677 and 678

| | | |
|---|---|---|
| **677/CV1**<br>677/C50-677/C70 | 1 | 006770450 |
| **678/CV1**<br>678/C65 | 1 | 006780455 |
| **678/CV2**<br>678/C100 | 1 | 006780500 |
| **678/CV3**<br>677/C100-677/C150-678/C150 | 1 | 006780415 |

## 680

electronic digital torque meter
Dynatester 680
for checking calibration,
can be used both clockwise and anticlockwise

- **Accuracy: ±1%**
- **3 measuring units: Nm - lbf.ft. - lbf.in**

| | Nm | kg | | |
|---|---|---|---|---|
| **680/2,5** | 1÷25 | 2,6 | 1 | 006800002 |
| **680/40** | 15÷400 | 4,0 | 1 | 006800040 |
| **680/100** | 100÷1000 | 4,8 | 1 | 006800100 |

## 682

electronic digital torque meter
with transducer Dynatester 682
to be used either clockwise
or anticlockwise
Remarkable reading accuracy
**Supplied with serial output RS 232 for printers**

**TECHNICAL FEATU**
**Reading accuracy**
± 1% of the read valu
**Available measuring units**
Nm-dNm-cNm-Lbf.ft-Lbf.in-Ozf.in-Kgf.m-Kgf.cm-gf.cm
**Supply range**
90 to 264 V AC at 50/60 Hz
**Dimensions** 235x185x185 mm
**Tolerance test according to norm ISO 6789**
Acceptability range
for each torque wrench tested
**Display**
Menu available in 11 languages
**Provided with all certificates required**
Calibration certificate with UKAS traceability

| | Nm | kg | | |
|---|---|---|---|---|
| **682/60** | 1.2÷60 | 5,9 | 1 | 006820006 |
| **682/400** | 8÷400 | 6,1 | 1 | 006820040 |
| **682/1500** | 30÷1500 | 6,4 | 1 | 006820150 |

# IMPACT SOCKETS

Impact sockets are oversized compared to hand sockets, so that they can absorb high torque as developed by impact wrenches and torque multipliers.

The **hexagon profile** provides increased durability following intensive use. They must be used with pins and grommets to prevent disengagement from the drive.

As well as the classic models in standard and long versions, a long, slim series is also available, for use in spaces where screws cannot be accessed with standard models.

However, based on their significantly lower strength, caution is required when using them.

## 710

impact sockets, standard series

3/8"

UNI/ISO 2725 DIN 3129

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **7** | 12,5 | 28 | 19 | 3 | 007100007 |
| **8** | 13,8 | 28 | 19 | 3 | 007100008 |
| **9** | 15,0 | 28 | 19 | 3 | 007100009 |
| **10** | 16,3 | 28 | 19 | 3 | 007100010 |
| **11** | 17,5 | 30 | 19 | 3 | 007100011 |
| **12** | 19,0 | 30 | 19 | 3 | 007100012 |
| **13** | 20,0 | 30 | 22 | 3 | 007100013 |
| **14** | 21,3 | 30 | 22 | 3 | 007100014 |
| **16** | 23,8 | 30 | 22 | 3 | 007100016 |
| **17** | 25,0 | 30 | 22 | 3 | 007100017 |
| **18** | 26,3 | 30 | 22 | 3 | 007100018 |
| **19** | 27,5 | 30 | 22 | 3 | 007100019 |
| **21** | 30,0 | 32 | 22 | 3 | 007100021 |
| **22** | 32,0 | 32 | 22 | 3 | 007100022 |

## 710/C10

10 impact sockets

3/8"

| | | |
|---|---|---|
| **710/C10**<br>7-8-10-11-12-13<br>14-17-19-22 mm | 1 | 007100910 |

130x55x40 mm - 800 g

## 710/16

impact adaptor, 3/8" female
and 1/2" male drives

3/8"

| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| **32** | 22 | 3/8 | 1/2 | 3 | 007100810 |

## 710/20

3/8" drive impact extension bar

3/8"

| L mm | Ø mm | | |
|---|---|---|---|
| **75** | 22 | 2 | 007100821 |

## 710/21

3/8” drive impact extension bar

3/8”

| L mm | Ø mm | | |
|---|---|---|---|
| 125 | 22 | 2 | 007100823 |

## 710/25

3/8” drive impact universal joint

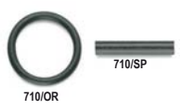
3/8”

| L mm | Ø mm | | |
|---|---|---|---|
| 58 | 24 | 2 | 007100830 |

## 710/OR... - 710/SP...

rubber O-rings and locking pins for impact sockets

3/8”




| | 710 mm | 710/16 L mm | | |
|---|---|---|---|---|
| 710/OR1 | 7÷12 | | 10 | 007100921 |
| 710/OR2 | 13÷22 | 32 | 10 | 007100922 |
| 710/SP1 | 7÷12 | | 10 | 007100911 |
| 710/SP2 | 13÷22 | 32 | 10 | 007100912 |

## 720

impact sockets, standard series

1/2”

UNI/ISO 2725 DIN 3129

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 8 | 15,0 | 38 | 25 | 5 | 007200008 |
| 9 | 16,0 | 38 | 25 | 5 | 007200009 |
| 10 | 17,0 | 38 | 25 | 5 | 007200010 |
| 11 | 18,5 | 38 | 25 | 5 | 007200011 |
| 12 | 20,0 | 38 | 25 | 5 | 007200012 |
| 13 | 21,0 | 38 | 25 | 5 | 007200013 |
| 14 | 22,5 | 38 | 25 | 5 | 007200014 |
| 15 | 23,0 | 38 | 30 | 5 | 007200015 |
| 16 | 25,0 | 38 | 30 | 5 | 007200016 |
| 17 | 26,0 | 38 | 30 | 5 | 007200017 |
| 18 | 27,5 | 38 | 30 | 5 | 007200018 |
| 19 | 28,5 | 38 | 30 | 5 | 007200019 |
| 21 | 31,0 | 38 | 30 | 5 | 007200021 |
| 22 | 32,5 | 38 | 30 | 5 | 007200022 |
| 23 | 34,0 | 38 | 30 | 5 | 007200023 |
| 24 | 35,0 | 38 | 30 | 5 | 007200024 |
| 27 | 38,5 | 45 | 30 | 3 | 007200027 |
| 30 | 42,0 | 50 | 30 | 3 | 007200030 |
| 32 | 44,0 | 50 | 30 | 3 | 007200032 |
| 36 | 50,0 | 50 | 30 | 3 | 007200036 |

## 720/C6

6 impact sockets

1/2”

| | | | |
|---|---|---|---|
| 720/C6<br>13-14-17-19-22-24 mm | | 1 | 007200910 |

195x80x55 mm - 1100 g

## 720/C12

12 impact sockets

1/2”

| | | | |
|---|---|---|---|
| 720/C12<br>10-11-12-13-14-17<br>19-22-24-27-30-32 mm | | 1 | 007200912 |

195x80x55 mm - 2000 g

## 720/C24

24 impact sockets

1/2”

| | | | |
|---|---|---|---|
| 720/C24 | | 1 | 007200904 |

| | | |
|---|---|---|
| 720 | 10 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24 - 27 - 30 - 32 mm |
| 720L | 13 - 17 - 19 - 21 - 22 - 24 mm |
| 720LC | 17 - 19 - 21 mm |

420x185x60 mm - 6,2 kg

## 720MC

impact sockets, standard series, coloured

1/2”

| mm | Ø mm | L mm | | | |
|---|---|---|---|---|---|
| 10 | 17,0 | 38 | | 3 | 007202010 |
| 11 | 18,5 | 38 | | 3 | 007202011 |
| 12 | 20,0 | 38 | | 3 | 007202012 |
| 13 | 21,0 | 38 | | 3 | 007202013 |
| 14 | 22,5 | 38 | | 3 | 007202014 |
| 15 | 23,0 | 38 | | 3 | 007202015 |
| 16 | 25,0 | 38 | | 3 | 007202016 |
| 17 | 26,0 | 38 | | 3 | 007202017 |
| 18 | 27,5 | 38 | | 3 | 007202018 |
| 19 | 28,5 | 38 | | 3 | 007202019 |
| 21 | 31,0 | 38 | | 2 | 007202021 |
| 22 | 32,5 | 38 | | 2 | 007202022 |
| 24 | 35,0 | 38 | | 2 | 007202024 |

## 720MC/C13

13 impact sockets, coloured

1/2”

| | | | |
|---|---|---|---|
| 720MC/C13<br>10-11-12-13-14-15<br>16-17-18-19-21-22<br>24 mm | | 1 | 007202913 |

335x145x60 mm - 2,4 kg

## 720AS

impact sockets, standard series

1/2”

| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 3/8 | 17,0 | 38 | 25 | 2 | 007200210 |
| 7/16 | 18,2 | 38 | 25 | 2 | 007200211 |
| 1/2 | 20,7 | 38 | 25 | 2 | 007200213 |
| 9/16 | 22,0 | 38 | 25 | 2 | 007200214 |
| 5/8 | 24,5 | 38 | 30 | 2 | 007200216 |
| 11/16 | 25,7 | 38 | 30 | 2 | 007200217 |
| 3/4 | 28,2 | 38 | 30 | 2 | 007200219 |
| 13/16 | 30,7 | 38 | 30 | 2 | 007200221 |
| 7/8 | 32,0 | 38 | 30 | 2 | 007200222 |
| 15/16 | 34,5 | 38 | 30 | 2 | 007200224 |
| 1 | 35,7 | 38 | 30 | 2 | 007200225 |
| 1.1/16 | 38,2 | 40 | 30 | 1 | 007200227 |
| 1.1/8 | 40,7 | 42 | 30 | 1 | 007200229 |
| 1.1/4 | 44,5 | 42 | 30 | 1 | 007200232 |

## 720S
impact sockets,
compact series

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 13 | 20,0 | 28,0 | 23,8 | 3 | 007200113 |
| 15 | 23,0 | 28,0 | 23,8 | 3 | 007200115 |
| 17 | 25,8 | 28,0 | 25,8 | 3 | 007200117 |
| 19 | 27,8 | 28,0 | 27,8 | 3 | 007200119 |
| 22 | 31,8 | 28,0 | 30,0 | 3 | 007200122 |
| 24 | 33,8 | 28,0 | 30,0 | 3 | 007200124 |

**720S/SB6** 1 007200906
13-15-17-19-22-24 mm

## 720L
impact sockets, long series

UNI/ISO 2725

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 10 | 17,0 | 80 | 25 | 2 | 007200310 |
| 11 | 18,5 | 80 | 25 | 2 | 007200311 |
| 12 | 20,0 | 80 | 25 | 2 | 007200312 |
| 13 | 21,0 | 80 | 25 | 2 | 007200313 |
| 14 | 22,5 | 80 | 25 | 2 | 007200314 |
| 15 | 23,0 | 80 | 30 | 2 | 007200315 |
| 16 | 25,0 | 80 | 30 | 2 | 007200316 |
| 17 | 26,0 | 80 | 30 | 2 | 007200317 |
| 18 | 27,5 | 80 | 30 | 2 | 007200318 |
| 19 | 28,5 | 80 | 30 | 2 | 007200319 |
| 21 | 31,0 | 80 | 30 | 2 | 007200321 |
| 22 | 32,5 | 80 | 30 | 2 | 007200322 |
| 24 | 35,0 | 80 | 30 | 2 | 007200324 |
| 27 | 38,5 | 80 | 30 | 2 | 007200327 |
| 30 | 42,0 | 80 | 30 | 2 | 007200330 |
| 32 | 44,0 | 80 | 30 | 2 | 007200332 |
| 36 | 50,0 | 80 | 30 | 2 | 007200336 |

## 720L/S3
set of 3 impact sockets item 720L

| mm | | |
|---|---|---|
| 17-19-21 | 1 | 007200355 |

## 720LS
impact sockets,
long, slim series

UNI/ISO 2725

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 10 | 15,5 | 78 | 24 | 2 | 007200360 |
| 11 | 16,7 | 78 | 24 | 2 | 007200361 |
| 12 | 18,0 | 78 | 24 | 2 | 007200362 |
| 13 | 19,2 | 78 | 24 | 2 | 007200363 |
| 14 | 20,5 | 78 | 24 | 2 | 007200364 |
| 15 | 21,7 | 78 | 24 | 2 | 007200365 |
| 16 | 23,0 | 78 | 24 | 2 | 007200366 |
| 17 | 24,2 | 78 | 29 | 2 | 007200367 |
| 18 | 25,5 | 78 | 29 | 2 | 007200368 |
| 19 | 26,7 | 78 | 29 | 2 | 007200369 |
| 21 | 29,2 | 78 | 29 | 2 | 007200371 |
| 22 | 30,5 | 78 | 29 | 2 | 007200372 |
| 24 | 33,0 | 78 | 29 | 2 | 007200374 |
| 27 | 36,7 | 78 | 29 | 2 | 007200377 |
| 30 | 40,5 | 78 | 29 | 2 | 007200380 |
| 32 | 43,0 | 78 | 29 | 2 | 007200382 |
| 36 | 48,0 | 78 | 29 | 2 | 007200386 |

## 720LC
wheel nut impact sockets,
with coloured polymeric inserts

| mm | Ø mm | | | |
|---|---|---|---|---|
| 17 | 26,5 | | 2 | 007200637 |
| 19 | 28,5 | | 2 | 007200639 |
| 21 | 30,3 | | 2 | 007200641 |
| 22 | 32,4 | | 2 | 007200642 |
| 24 | 34,6 | | 2 | 007200644 |

**720LC/C3** 1 007200653
17-19-21 mm
148x132x44 mm - 860 g

**720LC/S5** 1 007200645
17-19-21-22-24 mm

**720LC/PM5** 1 007200646
17-19-21-22-24 mm

## PM 1/2-Q5
magnetic socket rail

**PM 1/2-Q5** 1 088880233

## 720IC
spare coloured polymeric inserts for impact sockets 720LC-720LCL

| | mm | | | |
|---|---|---|---|---|
| 720IC 17 | 17 | | 1 | 007200687 |
| 720IC 19 | 19 | | 1 | 007200689 |
| 720IC 21 | 21 | | 1 | 007200691 |
| 720IC 22 | 22 | | 1 | 007200692 |
| 720IC 24 | 24 | | 1 | 007200694 |

## 720LCL
wheel nut impact sockets
with coloured polymeric inserts,
long series

| mm | Ø mm | | | |
|---|---|---|---|---|
| 17 | 26,5 | | 1 | 007200737 |
| 19 | 28,5 | | 1 | 007200739 |
| 21 | 30,3 | | 1 | 007200741 |

**720LCL/C3** 1 007200753
17-19-21 mm
210x50x150 mm - 1,65 kg

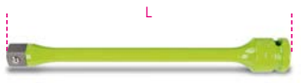
## 720MRC

impact socket
with polymeric insert for Mercedes wheel screw

| mm | Ø mm | L mm | □ | | |
|---|---|---|---|---|---|
| 17 | 27 | 85 | 1/2 | 1 | 007200631 |

## 720TC

impact torsion bars, coloured,
for motor vehicle wheel nuts,
with 1/2" male and female square drives




| Nm | L mm | | | |
|---|---|---|---|---|
| 90 | 200 | | 1 | 007200769 |
| 100 | 200 | | 1 | 007200770 |
| 110 | 200 | | 1 | 007200771 |
| 120 | 200 | | 1 | 007200772 |
| 135 | 200 | | 1 | 007200773 |

**720TC/S5** 1 007200779
90-100-110-120-135 Nm

260x50x175 mm - 1,35 kg

## 720FTX

impact sockets, for Torx® head screws

| | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| E10 | 14,0 | 38 | 25 | 2 | 007200410 |
| E12 | 15,9 | 38 | 25 | 2 | 007200412 |
| E14 | 17,7 | 38 | 25 | 2 | 007200414 |
| E16 | 20,0 | 38 | 25 | 2 | 007200416 |
| E18 | 22,0 | 38 | 25 | 2 | 007200418 |
| E20 | 25,0 | 40 | 25 | 2 | 007200420 |
| E24 | 30,0 | 40 | 30 | 2 | 007200424 |

**720FTX/SB6** 1 007200450
E10-E12-E14
E16-E18-E20

## 720TX

impact socket drivers for Torx® head screws

| | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| T30 | 25 | 78 | 54 | 3 | 007200460 |
| T40 | 25 | 78 | 54 | 3 | 007200470 |
| T45 | 25 | 78 | 54 | 3 | 007200472 |
| T50 | 25 | 78 | 54 | 3 | 007200474 |
| T55 | 25 | 78 | 54 | 3 | 007200476 |
| T60 | 25 | 78 | 54 | 3 | 007200478 |

## 720TX/C6

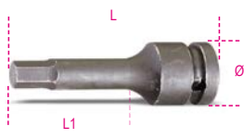
6 impact socket drivers for Torx® head screws

**720TX/C6** 1 007200483
T30-T40-T45
T50-T55-T60

275x120x65 mm - 5700 g

## 720ME

impact socket drivers for hexagon screws




| mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 5 | 25 | 78 | 54 | 3 | 007200505 |
| 6 | 25 | 78 | 54 | 3 | 007200506 |
| 8 | 25 | 78 | 54 | 3 | 007200508 |
| 10 | 25 | 78 | 54 | 3 | 007200510 |
| 12 | 25 | 78 | 54 | 3 | 007200512 |
| 14 | 25 | 78 | 54 | 3 | 007200514 |
| 17 | 25 | 78 | 54 | 3 | 007200517 |
| 19 | 25 | 78 | 54 | 3 | 007200519 |

## 720ME/C8

8 impact socket drivers
for hexagon screws

**720ME/C8** 1 007200525
5-6-8-10-12
14-17-19 mm

270x120x45 mm - 1710 g

## 720/15

impact adaptor, 1/2" female
and 3/8" male drives

| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| 37,5 | 25 | 1/2 | 3/8 | 3 | 007200810 |

**Always apply torque loads evenly and progressively to avoid breakage and any possible injury.**

## 720/16

impact adaptor, 1/2" female
and 3/4" male drives

| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| 44 | 30 | 1/2 | 3/4 | 3 | 007200814 |

## 720/20

1/2" drive impact extension bar

| L mm | Ø mm | | |
|---|---|---|---|
| 75 | 25 | 3 | 007200818 |

## 720/21

1/2" drive impact extension bar

| L mm | Ø mm | | |
|---|---|---|---|
| 125 | 25 | 3 | 007200822 |

## 720/25

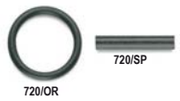
1/2" drive impact universal joint

| L mm | Ø mm | | |
|---|---|---|---|
| 64 | 28 | 2 | 007200831 |

## 720/OR... - 720/SP...

rubber O-rings and locking pins for impact sockets

1/2"




| | 720 mm | 720TX | | |
|---|---|---|---|---|
| 720/OR1 | 10÷14 | T30÷T60 | 10 | 007200923 |
| 720/OR2 | 15÷32 | | 10 | 007200924 |
| 720/SP1 | 10÷14 | T30÷T60 | 10 | 007200913 |
| 720/SP2 | 15÷32 | | 10 | 007200914 |

## 727PI/16

impact bit holder for item 727/ES16 and 727/ES16TX

3/4"

| Ø mm | L mm | ⬡ mm | □ | | |
|---|---|---|---|---|---|
| 44 | 52 | 16 | 3/4 | 2 | 007270016 |

## 727/ES16

impact hexagon bits, 16 mm drive

| | ⬢ mm | L mm | | |
|---|---|---|---|---|
| 10 | 16 | 40 | 2 | 007270110 |
| 12 | 16 | 40 | 2 | 007270112 |
| 13 | 16 | 40 | 2 | 007270113 |
| 14 | 16 | 40 | 2 | 007270114 |
| 16 | 16 | 40 | 2 | 007270116 |
| 17 | 16 | 40 | 2 | 007270117 |
| 18 | 16 | 40 | 2 | 007270118 |
| 19 | 16 | 40 | 2 | 007270119 |
| 22 | 16 | 40 | 2 | 007270122 |

## 727/ES16TX

impact bits for Torx® head screws, 16 mm drive

| | ⬢ mm | L mm | | |
|---|---|---|---|---|
| T55 | 16 | 50 | 2 | 007270355 |
| T60 | 16 | 50 | 2 | 007270360 |
| T70 | 16 | 50 | 2 | 007270370 |

## 727PI/22

impact bit holder for item 727/ES22 and 727/ES22TX

1"

| Ø mm | L mm | ⬡ mm | | |
|---|---|---|---|---|
| 54 | 70 | 22 | 2 | 007270022 |

## 727/ES22

impact hexagon bits, 22 mm drive

| | ⬢ mm | L mm | | |
|---|---|---|---|---|
| 19 | 22 | 50 | 2 | 007270219 |
| 22 | 22 | 50 | 2 | 007270222 |
| 24 | 22 | 50 | 2 | 007270224 |
| 27 | 22 | 50 | 2 | 007270227 |
| 30 | 22 | 50 | 2 | 007270230 |
| 32 | 22 | 50 | 2 | 007270232 |

## 727/ES22TX

impact bits for Torx® head screws, 22 mm drive

| | ⬢ mm | L mm | | |
|---|---|---|---|---|
| T80 | 22 | 60 | 2 | 007270480 |
| T90 | 22 | 60 | 2 | 007270490 |
| T100 | 22 | 60 | 2 | 007270500 |

## 727/C16

12 impact bits and 4 accessories

3/4"

1"

| | | | |
|---|---|---|---|
| 727/C16 | 1 | 007270900 | |

727PI/16
727/ES16 14-17-19 mm
727/ES16TX T55-T60-T70
727PI/22
727/ES22 22-24-27 mm
727/ES22TX T80-T90-T100
96BPC 3-4 mm

335x145x60 mm - 3,6 kg

## 727PI/32

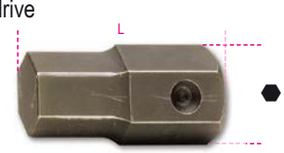
impact bit holder for item 727/ES32

1 1/2"

| Ø mm | L mm | ⬡ mm | | |
|---|---|---|---|---|
| 86 | 66 | 32 | 1 | 007270032 |

## 727/ES32

impact hexagon bit, 32 mm drive




| | ⬢ mm | L mm | | |
|---|---|---|---|---|
| 19 | 32 | 44 | 2 | 007270519 |
| 22 | 32 | 44 | 2 | 007270522 |
| 24 | 32 | 44 | 2 | 007270524 |
| 27 | 32 | 44 | 2 | 007270527 |
| 30 | 32 | 44 | 2 | 007270530 |
| 32 | 32 | 44 | 2 | 007270532 |
| 36 | 32 | 44 | 2 | 007270536 |

## 728

impact sockets, standard series

3/4"

UNI/ISO 2725 DIN 3129

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 17 | 30,0 | 51 | 44 | 2 | 007280017 |
| 18 | 31,0 | 51 | 44 | 2 | 007280018 |
| 19 | 32,5 | 51 | 44 | 2 | 007280019 |
| 21 | 35,0 | 51 | 44 | 2 | 007280021 |
| 22 | 36,0 | 51 | 44 | 2 | 007280022 |
| 23 | 37,5 | 51 | 44 | 2 | 007280023 |
| 24 | 38,5 | 51 | 44 | 2 | 007280024 |
| 27 | 42,5 | 53 | 44 | 2 | 007280027 |
| 28 | 44,0 | 53 | 44 | 2 | 007280028 |
| 30 | 46,0 | 53 | 44 | 2 | 007280030 |
| 32 | 48,5 | 57 | 44 | 2 | 007280032 |
| 33 | 50,0 | 57 | 44 | 2 | 007280033 |
| 34 | 51,0 | 57 | 44 | 2 | 007280034 |
| 35 | 52,5 | 57 | 44 | 2 | 007280035 |
| 36 | 53,5 | 57 | 44 | 2 | 007280036 |
| 38 | 56,0 | 57 | 44 | 1 | 007280038 |
| 40 | 58,5 | 58 | 44 | 1 | 007280040 |
| 41 | 60,0 | 58 | 44 | 1 | 007280041 |
| 44 | 64,0 | 62 | 44 | 1 | 007280044 |
| 45 | 65,0 | 62 | 44 | 1 | 007280045 |
| 46 | 66,0 | 62 | 44 | 1 | 007280046 |
| 50 | 71,0 | 68 | 54 | 1 | 007280050 |
| 55 | 77,5 | 71 | 54 | 1 | 007280055 |
| 60 | 83,0 | 73 | 54 | 1 | 007280060 |
| 65 | 88,0 | 78 | 54 | 1 | 007280065 |

## 728/C10
10 impact sockets

3/4"

| | | |
|---|---|---|
| **728/C10**<br>17-19-22-24-27-30<br>32-36-41-46 mm | 1 | 007280910 |

275x120x65 mm - 5,7 kg

## 728AS
impact sockets,
standard series

3/4"

| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **3/4** | 32,0 | 51 | 41 | 1 | 007280219 |
| **13/16** | 35,0 | 51 | 41 | 1 | 007280221 |
| **7/8** | 36,0 | 51 | 41 | 1 | 007280222 |
| **15/16** | 38,5 | 51 | 41 | 1 | 007280224 |
| **1** | 40,0 | 53 | 41 | 1 | 007280225 |
| **1.1/16** | 42,5 | 53 | 44 | 1 | 007280227 |
| **1.1/8** | 44,0 | 53 | 44 | 1 | 007280230 |
| **1.1/4** | 48,5 | 57 | 44 | 1 | 007280232 |
| **1.5/16** | 50,0 | 57 | 44 | 1 | 007280233 |
| **1.7/16** | 53,5 | 57 | 44 | 1 | 007280236 |
| **1.1/2** | 56,0 | 57 | 44 | 1 | 007280238 |
| **1.5/8** | 60,0 | 58 | 44 | 1 | 007280241 |

## 728FTX
impact sockets, for Torx® head screws

3/4"

| | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **E20** | 28,5 | 50 | 44 | 2 | 007280420 |
| **E22** | 30,0 | 50 | 44 | 2 | 007280422 |
| **E24** | 32,5 | 50 | 44 | 2 | 007280424 |

## 728L
impact sockets,
long series

3/4"

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **19** | 32,5 | 90 | 44 | 2 | 007280319 |
| **21** | 35,0 | 90 | 44 | 2 | 007280321 |
| **22** | 36,0 | 90 | 44 | 2 | 007280322 |
| **24** | 38,5 | 90 | 44 | 2 | 007280324 |
| **26** | 41,0 | 90 | 44 | 2 | 007280326 |
| **27** | 42,5 | 90 | 44 | 2 | 007280327 |
| **30** | 46,0 | 90 | 44 | 2 | 007280330 |
| **32** | 48,5 | 90 | 44 | 2 | 007280332 |
| **33** | 50,0 | 90 | 44 | 1 | 007280333 |
| **34** | 51,0 | 90 | 44 | 1 | 007280334 |
| **36** | 53,5 | 90 | 44 | 1 | 007280336 |
| **38** | 56,0 | 90 | 44 | 1 | 007280338 |
| **41** | 60,0 | 90 | 44 | 1 | 007280341 |
| **44** | 64,0 | 90 | 44 | 1 | 007280344 |
| **46** | 66,0 | 90 | 44 | 1 | 007280346 |
| **50** | 71,0 | 90 | 44 | 1 | 007280350 |
| **55** | 77,5 | 100 | 54 | 1 | 007280355 |

3/4"

| | | |
|---|---|---|
| **728L/S3**<br>30-32-36 mm | 1 | 007280393 |

## 728LS
impact sockets, long slim series

3/4"

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **17** | 28,0 | 100 | 43 | 2 | 007280517 |
| **19** | 30,5 | 100 | 43 | 2 | 007280519 |
| **22** | 34,3 | 100 | 43 | 2 | 007280522 |
| **24** | 36,8 | 100 | 43 | 2 | 007280524 |
| **27** | 40,5 | 100 | 43 | 2 | 007280527 |
| **30** | 44,3 | 100 | 43 | 2 | 007280530 |
| **32** | 46,8 | 100 | 43 | 2 | 007280532 |
| **33** | 48,0 | 100 | 43 | 2 | 007280533 |
| **36** | 51,8 | 100 | 43 | 1 | 007280536 |

## 728LQ
impact sockets, long series

**(for ISUZU wheel nuts)**

3/4"

| mm | L mm | Ø mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **19** | 90 | 35 | 43,5 | 1 | 007280619 |
| **21** | 90 | 42 | 43,5 | 1 | 007280621 |

## 728/15
impact adaptor, 3/4" female
and 1/2" male drives

3/4"

| mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| **58** | 38 | 3/4 | 1/2 | 2 | 007280810 |

**Always apply torque loads evenly and progressively to avoid breakage and any possible injury.**

## 728/16
impact adaptor, 3/4" female and 1" male drives

3/4"

| mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| **62** | 44 | 3/4 | 1 | 2 | 007280813 |

## 728/21
3/4" drive impact extension bar

3/4"

| mm | Ø mm | | |
|---|---|---|---|
| **175** | 44 | 2 | 007280815 |

## 728/22
3/4" drive impact extension bar

3/4"

| mm | Ø mm | | |
|---|---|---|---|
| **250** | 44 | 2 | 007280825 |

## 728/22L
3/4" drive impact extension bar

3/4"

| mm | Ø mm | | |
|---|---|---|---|
| **330** | 44 | 1 | 007280826 |

## 728/25
3/4" drive impact universal joint

3/4"

| mm | Ø mm | | |
|---|---|---|---|
| **107,5** | 44 | 1 | 007280830 |

## 728/OR - 728/SP
rubber O-rings and locking pins
for impact sockets

3/4"

| | 728 mm | 728FTX | | |
|---|---|---|---|---|
| **728/OR** | 728/15 | | 5 | 007280925 |
| **728/OR** | 17÷46 | E20÷E24 | 10 | 007280926 |
| **728/SP** | 17÷46 | E20÷E24 | 10 | 007280916 |

## 729
impact sockets, standard series

UNI/ISO 2725 DIN 3129

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 24 | 41,5 | 58 | 54 | 1 | 007290024 |
| 27 | 45,0 | 60 | 54 | 1 | 007290027 |
| 30 | 49,0 | 62 | 54 | 1 | 007290030 |
| 32 | 51,5 | 63 | 54 | 1 | 007290032 |
| 33 | 52,5 | 63 | 54 | 1 | 007290033 |
| 34 | 54,0 | 63 | 54 | 1 | 007290034 |
| 36 | 56,5 | 66 | 54 | 1 | 007290036 |
| 38 | 59,0 | 66 | 54 | 1 | 007290038 |
| 41 | 62,5 | 68 | 54 | 1 | 007290041 |
| 46 | 69,0 | 72 | 54 | 1 | 007290046 |
| 50 | 74,0 | 76 | 54 | 1 | 007290050 |
| 55 | 80,0 | 84 | 54 | 1 | 007290055 |
| 60 | 86,5 | 88 | 54 | 1 | 007290060 |
| 65 | 92,5 | 92 | 54 | 1 | 007290065 |
| 70 | 99,0 | 96 | 54 | 1 | 007290070 |
| 75 | 105,0 | 102 | 63 | 1 | 007290075 |
| 80 | 111,5 | 102 | 63 | 1 | 007290080 |

## 729L
impact sockets, long series

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 24 | 41,5 | 108 | 54 | 1 | 007290324 |
| 27 | 45,0 | 108 | 54 | 1 | 007290327 |
| 30 | 49,0 | 108 | 54 | 1 | 007290330 |
| 32 | 51,5 | 108 | 54 | 1 | 007290332 |
| 33 | 52,2 | 108 | 54 | 1 | 007290333 |
| 34 | 54,0 | 108 | 54 | 1 | 007290334 |
| 36 | 56,5 | 108 | 54 | 1 | 007290336 |
| 41 | 62,5 | 108 | 54 | 1 | 007290341 |
| 46 | 69,0 | 108 | 54 | 1 | 007290346 |
| 50 | 74,0 | 108 | 54 | 1 | 007290350 |
| 55 | 80,0 | 108 | 54 | 1 | 007290355 |
| 60 | 86,5 | 108 | 54 | 1 | 007290360 |
| 65 | 92,5 | 108 | 54 | 1 | 007290365 |
| 70 | 99,0 | 108 | 54 | 1 | 007290370 |
| 75 | 105,0 | 108 | 63 | 1 | 007290375 |
| 80 | 111,5 | 108 | 63 | 1 | 007290380 |

## 729LS
impact sockets, long slim series

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 22 | 36,0 | 108 | 53 | 1 | 007290522 |
| 24 | 38,5 | 108 | 53 | 1 | 007290524 |
| 27 | 46,0 | 108 | 53 | 1 | 007290527 |
| 30 | 50,0 | 108 | 53 | 1 | 007290530 |
| 32 | 50,0 | 108 | 53 | 1 | 007290532 |
| 33 | 52,0 | 108 | 53 | 1 | 007290533 |
| 36 | 56,0 | 108 | 53 | 1 | 007290536 |

## 729T
impact torsion bars for wheel nuts

| mm | Nm | L mm | | |
|---|---|---|---|---|
| 24 | 350 | 300 | 1 | 007290724 |
| 27 | 450 | 300 | 1 | 007290757 |
| 30 | 500 | 300 | 1 | 007290730 |
| 32 | 450 | 300 | 1 | 007290732 |
| 32 | 600 | 300 | 1 | 007290762 |
| 33 | 600 | 300 | 1 | 007290763 |
| 36 | 600 | 300 | 1 | 007290736 |

## 729/15
impact adaptor, 1" female and 3/4" male drives

| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| 66,5 | 54 | 1 | 3/4 | 1 | 007290810 |

**Always apply torque loads evenly and progressively to avoid breakage and any possible injury.**

## 729/16
impact adaptor, 1" female and 1.1/2" male drives

| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| 88 | 54,0 | 1 | 1.1/2 | 1 | 007290813 |

## 729/21
1" drive impact extension bar

| L mm | Ø mm | | |
|---|---|---|---|
| 175 | 54 | 1 | 007290815 |

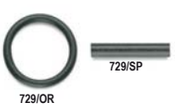
## 729/22
1" drive impact extension bar

| L mm | Ø mm | | |
|---|---|---|---|
| 330 | 54 | 1 | 007290825 |

## 729/25
1" drive impact universal joint

| L mm | Ø mm | | |
|---|---|---|---|
| 130 | 54 | 1 | 007290830 |

## 729/OR... - 729/SP...
rubber O-rings and locking pins for impact sockets




| | 728 mm | 729-730 mm | | |
|---|---|---|---|---|
| 729/OR1 | 50÷60 | 24÷70 | 5 | 007290927 |
| 729/OR2 | | 75÷125 | 5 | 007290928 |
| 729/SP1 | 50÷60 | 24÷70 | 5 | 007290917 |
| 729/SP2 | | 75÷125 | 5 | 007290918 |

## 730
impact sockets, standard series

UNI/ISO 2725 DIN 3129

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 50 | 81 | 87 | 84 | 1 | 007300050 |
| 55 | 88 | 90 | 86 | 1 | 007300055 |
| 60 | 94 | 95 | 86 | 1 | 007300060 |
| 65 | 100 | 100 | 86 | 1 | 007300065 |
| 70 | 106 | 105 | 86 | 1 | 007300070 |
| 75 | 113 | 110 | 86 | 1 | 007300075 |
| 80 | 119 | 115 | 86 | 1 | 007300080 |
| 85 | 125 | 120 | 86 | 1 | 007300085 |
| 90 | 132 | 125 | 86 | 1 | 007300090 |
| 95 | 138 | 125 | 96 | 1 | 007300095 |
| 100 | 144 | 130 | 96 | 1 | 007300100 |
| 105 | 150 | 135 | 96 | 1 | 007300105 |
| 110 | 157 | 140 | 96 | 1 | 007300110 |
| 115 | 163 | 140 | 96 | 1 | 007300115 |
| 120 | 169 | 145 | 96 | 1 | 007300120 |
| 125 | 175 | 145 | 96 | 1 | 007300125 |

## 730/15
adaptor

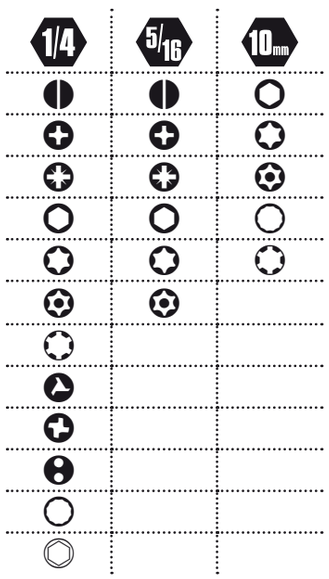
| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| 105 | 84,0 | 1.1/2 | 1 | 1 | 007300810 |

**Always apply torque loads evenly and progressively to avoid breakage and any possible injury.**

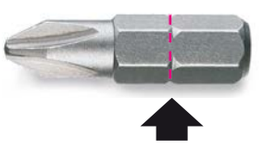
## 733/15
adaptor

| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| 156 | 127 | 2.1/2 | 1.1/2 | 1 | 007330810 |

# BITS




### ISO 1173-C 6,3



retainer spring seat

### ISO 1173-E 6,3

retainer ball slot

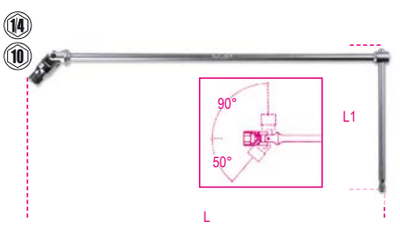
## 851
magnetic bit holder with handle

| L1 mm | L mm | | |
|---|---|---|---|
| 45 | 165 | 2 | 008510165 |
| 125 | 245 | 2 | 008510245 |

## 851SR
quick release bit holder with handle

| L mm | L1 mm | | |
|---|---|---|---|
| 230 | 110 | 2 | 008510001 |

## 852
bit holder with articulated T handle




| ○ | L mm | L1 mm | | |
|---|---|---|---|---|
| 1/4" | 400 | 160 | 2 | 008520006 |
| 10 mm | 400 | 160 | 2 | 008520010 |

## 855P
reversible ratchet bit holder with articulated handle, and 7 built-in bits

| L mm | L1 mm | | |
|---|---|---|---|
| 240 | 100 | 1 | 008550010 |

| | | |
|---|---|---|
| 860PH | PH1 - PH2 |
| 860PZ | PZ1 - PZ2 |
| 860LP | LP 0,8X5,5 mm |
| 860PE | 4 - 5 mm |

## 860LP
bits for slotted head screws, coloured

ISO 2351-1
ISO 1173 C 6,3

| SxA mm | L mm | | |
|---|---|---|---|
| 0,5x3 | 25 | 5 | 008600005 |
| 0,6x4,5 | 25 | 5 | 008600010 |
| 0,8x5,5 | 25 | 5 | 008600015 |
| 1x5,5 | 25 | 5 | 008600020 |
| 1,2x6,5 | 25 | 5 | 008600025 |

## 860PH
bits for cross head Phillips® screws, coloured

ISO 2351-2
ISO 1173 C 6,3

| PH | L mm | | |
|---|---|---|---|
| 0 | 25 | 5 | 008600220 |
| 1 | 25 | 5 | 008600225 |
| 2 | 25 | 5 | 008600230 |
| 3 | 25 | 5 | 008600245 |
| 4 | 25 | 5 | 008600250 |

## 860PZ
bits for cross head Pozidriv® - Supadriv® screws, coloured

ISO 2351-2
ISO 1173 C 6,3

| PZ | L mm | | |
|---|---|---|---|
| 1 | 25 | 5 | 008600320 |
| 2 | 25 | 5 | 008600325 |
| 3 | 25 | 5 | 008600330 |
| 4 | 25 | 5 | 008600335 |

## 860PE
hexagon bits for power drivers, coloured

ISO 2351-3
ISO 1173 C 6,3

| mm | L mm | | |
|---|---|---|---|
| 2 | 25 | 5 | 008600101 |
| 2,5 | 25 | 5 | 008600102 |
| 3 | 25 | 5 | 008600103 |
| 4 | 25 | 5 | 008600104 |
| 5 | 25 | 5 | 008600105 |
| 6 | 25 | 5 | 008600106 |
| 8 | 25 | 5 | 008600108 |
| 10 | 25 | 5 | 008600110 |

## 860TX

bits for Torx® head screws, coloured

ISO 1173 C 6,3

| | L mm | | |
|---|---|---|---|
| T6 | 25 | 5 | 008600704 |
| T7 | 25 | 5 | 008600705 |
| T8 | 25 | 5 | 008600710 |
| T9 | 25 | 5 | 008600715 |
| T10 | 25 | 5 | 008600720 |
| T15 | 25 | 5 | 008600725 |
| T20 | 25 | 5 | 008600730 |
| T25 | 25 | 5 | 008600735 |
| T27 | 25 | 5 | 008600740 |
| T30 | 25 | 5 | 008600745 |
| T40 | 25 | 5 | 008600750 |

## 860RTX

bits for Tamper Resistant Torx® head screws, coloured

ISO 1173 C 6,3

| | L mm | | |
|---|---|---|---|
| T9 | 25 | 5 | 008600550 |
| T10 | 25 | 5 | 008600555 |
| T15 | 25 | 5 | 008600560 |
| T20 | 25 | 5 | 008600565 |
| T25 | 25 | 5 | 008600570 |
| T27 | 25 | 5 | 008600575 |
| T30 | 25 | 5 | 008600580 |
| T40 | 25 | 5 | 008600585 |

## 860/55

reversible bit ratchet

| L mm | | | |
|---|---|---|---|
| 100 | 1/4 | 3 | 008600870 |

## 860/58

bit ratchet with rotating handle

- **Bit can be fitted onto both sides, for screwing or unscrewing**
- **Bi-material handle**

| | L mm | | Ø mm | A mm | | |
|---|---|---|---|---|---|---|
| 860/58 | 126 | 1/4" | 27 | 15 | 1 | 008600884 |

## 860/C27

25 bits,1 connector and 1 reversible ratchet in plastic case

| | | | |
|---|---|---|---|
| 860/C27 | | 1 | 008600880 |

| | | |
|---|---|---|
| 860/55 | 100 mm | |
| 860LP | 0,5x3-1,0x5,5-1,2x6,5 mm | |
| 860PH | PH1-PH2(x2)-PH3 | |
| 860PZ | PZ1-PZ2(x2)-PZ3 | |
| 860PE | 2-2,5-3-4-5-6 mm | |
| 860TX | T6-T8-T10-T15-T20-T25-T30-T40 | |
| 892/0 | ⬣ 1/4 ■ 1/4 | |

## 860PHZ/A10

set of 10 bits with magnetic bit holder in plastic case

| | | | |
|---|---|---|---|
| 860PHZ/A10 | | 1 | 008600910 |

| | | n. |
|---|---|---|
| 860PH | PH1 | 1 |
| | PH2 | 3 |
| | PH3 | 1 |
| 860PZ | PZ1 | 1 |
| | PZ2 | 3 |
| | PZ3 | 1 |
| 882M1 | ⬡ 1/4 ⬣ 1/4 | |

## 860PE/A10

set of 10 bits with magnetic bit holder in plastic case

| | | | |
|---|---|---|---|
| 860PE/A10 | | 1 | 008600920 |

| | | n. |
|---|---|---|
| 860PE | 2 - 2,5 mm | 1 |
| | 3 - 4 - 5 - 6 mm | 2 |
| 882M1 | ⬡ 1/4 ⬣ 1/4 | |

## 860TX/A10

set of 10 bits with magnetic bit holder in plastic case

| | | | |
|---|---|---|---|
| 860TX/A10 | | 1 | 008600970 |

| | | | n. |
|---|---|---|---|
| 860TX | T7 - T8 - T9 - T10 - T15 - T20<br>T25 - T27 - T30 - T40 | | 1 |
| 882M1 | ⬡ 1/4 ⬣ 1/4 | | |

## 860MIX/A10

set of 10 bits with magnetic bit holder in plastic case

| | | | |
|---|---|---|---|
| 860MIX/A10 | | 1 | 008600900 |

| | | | n. |
|---|---|---|---|
| 860LP | 0,5x3 - 1x5,5 - 1,2x6,5 mm | | 1 |
| 860PH | PH1 | | 1 |
| | PH2 | | 2 |
| | PH3 | | 1 |
| 860PZ | PZ1 - PZ2 - PZ3 | | 1 |
| 882M1 | ⬡ 1/4 ⬣ 1/4 | | |

## 860MIX/A31

set of 30 bits with magnetic quick release bit holder in plastic case

| | | | |
|---|---|---|---|
| 860MIX/A31 | | 1 | 008600902 |

| | | |
|---|---|---|
| 860LP | 0,5x3 - 0,6x4,5 - 0,8x5,5<br>1,0x5,5 - 1,2x6,5 mm | |
| 860PE | 2 - 2,5 - 3 - 4 - 5 - 6<br>8 - 10 mm | |
| 860PH | PH0 - PH1 - PH2 - PH3 - PH4 | |
| 860PZ | PZ1 - PZ2 - PZ3 - PZ4 | |
| 860RTX | T9 - T10 - T15 - T20<br>T25 - T27 - T30 - T40 | |
| 882MSR 50 | ⬡ 1/4⬣ 1/4 | |

## 860/C38P

1 reversible ratchet bit holder with articulated handle, 27 bits, 8 hexagon sockets and 2 accessories

| | | |
|---|---|---|
| 860/C38P | 1 | 008600878 |

| | | |
|---|---|---|
| 860LP | 0,6x4,5 - 0,8x5,5 - 1,0x5,5 - 1,2x6,5 mm |
| 860PE | 2-2,5-3-4(x2)-5(x2) |
| 860PH | PH1(x2)-PH2(x2)-PH3 |
| 860PZ | PZ1(x2)-PZ2(x2)-PZ3 |
| 860TX | T10-T15-T20-T25-T30-T40 |
| 900 | 5-5,5-6-7-8-9-10-13 mm |
| 892/0 | ● 1/4 ■ 1/4 |
| 892/3 | ● 1/4 ■ 1/4 |
| 855P | 240 mm |

270x120x45 mm

## 861LP

bits for slotted head screws

ISO 2351-1

ISO 1173 C 6,3

| SxA mm | L mm | | |
|---|---|---|---|
| 0,5x3 | 25 | 10 | 008610005 |
| 0,6x4 | 25 | 10 | 008610007 |
| 0,6x4,5 | 25 | 10 | 008610010 |
| 0,8x5,5 | 25 | 10 | 008610015 |
| 1x5,5 | 25 | 10 | 008610020 |
| 1,2x6,5 | 25 | 10 | 008610025 |
| 1,2x8 | 25 | 10 | 008610028 |
| 1,6x8 | 25 | 10 | 008610030 |

## 861PH

bits for cross head Phillips® screws

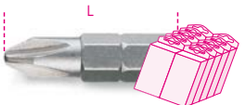
ISO 2351-2

ISO 1173 C 6,3

| PH | L mm | | |
|---|---|---|---|
| 0 | 25 | 10 | 008610200 |
| 1 | 25 | 10 | 008610205 |
| 2 | 25 | 10 | 008610210 |
| 2L | 50 | 10 | 008610213 |
| 3 | 25 | 10 | 008610215 |
| 4 | 25 | 10 | 008610220 |

## 861PH/C

bits for cross head Phillips® screws




ISO 2351-2
ISO 1173 C 6,3

| PH | L mm | | |
|---|---|---|---|
| 0 | 25 | 200 | 008610250 |
| 1 | 25 | 200 | 008610255 |
| 2 | 25 | 200 | 008610260 |
| 2L | 50 | 100 | 008610263 |
| 3 | 25 | 200 | 008610265 |
| 4 | 25 | 100 | 008610270 |

## 861PZ

bits for cross head Pozidriv®-Supadriv® screws

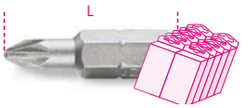
ISO 2351-2

ISO 1173 C 6,3

| PZ | L mm | | |
|---|---|---|---|
| 1 | 25 | 10 | 008610300 |
| 2 | 25 | 10 | 008610305 |
| 2L | 50 | 10 | 008610308 |
| 3 | 25 | 10 | 008610310 |
| 4 | 25 | 10 | 008610315 |

## 861PZ/C

bits for cross head Pozidriv®-Supadriv® screws




ISO 2351-2
ISO 1173 C 6,3

| PZ | L mm | | |
|---|---|---|---|
| 1 | 25 | 200 | 008610350 |
| 2 | 25 | 200 | 008610355 |
| 2L | 50 | 100 | 008610358 |
| 3 | 25 | 200 | 008610360 |
| 4 | 25 | 100 | 008610365 |

## 861PE

hexagon bits for power drivers

ISO 2351-3

ISO 1173 C 6,3

| mm | L mm | | |
|---|---|---|---|
| 2 | 25 | 10 | 008610100 |
| 2,5 | 25 | 10 | 008610105 |
| 3 | 25 | 10 | 008610110 |
| 4 | 25 | 10 | 008610115 |
| 5 | 25 | 10 | 008610120 |
| 6 | 25 | 10 | 008610125 |
| 8 | 25 | 10 | 008610130 |
| 10 | 25 | 10 | 008610135 |

## 861TX

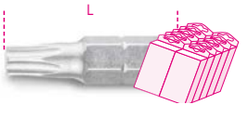
bits for Torx® head screws

ISO 1173 C 6,3

| | L mm | | |
|---|---|---|---|
| T5 | 25 | 10 | 008610399 |
| T6 | 25 | 10 | 008610400 |
| T7 | 25 | 10 | 008610405 |
| T8 | 25 | 10 | 008610410 |
| T9 | 25 | 10 | 008610415 |
| T10 | 25 | 10 | 008610420 |
| T15 | 25 | 10 | 008610425 |
| T20 | 25 | 10 | 008610430 |
| T25 | 25 | 10 | 008610435 |
| T27 | 25 | 10 | 008610440 |
| T30 | 25 | 10 | 008610445 |
| T40 | 25 | 10 | 008610450 |

## 861TX/C

bits for Torx® head screws




ISO 1173 C 6,3

| | L mm | | |
|---|---|---|---|
| T10 | 25 | 200 | 008610470 |
| T15 | 25 | 200 | 008610475 |
| T20 | 25 | 200 | 008610480 |
| T25 | 25 | 200 | 008610485 |
| T27 | 25 | 200 | 008610490 |
| T30 | 25 | 200 | 008610495 |
| T40 | 25 | 200 | 008610499 |

## 861RTX

bits for Tamper Resistant Torx® head screws

ISO 1173 C 6,3

| | L mm | | |
|---|---|---|---|
| T6 | 25 | 10 | 008610537 |
| T7 | 25 | 10 | 008610538 |
| T8 | 25 | 10 | 008610540 |
| T9 | 25 | 10 | 008610500 |
| T10 | 25 | 10 | 008610505 |
| T15 | 25 | 10 | 008610510 |
| T20 | 25 | 10 | 008610515 |
| T25 | 25 | 10 | 008610520 |
| T27 | 25 | 10 | 008610525 |
| T30 | 25 | 10 | 008610530 |
| T40 | 25 | 10 | 008610535 |
| T45 | 25 | 10 | 008610539 |

## 861RIBE
bits for RIBE® screws

ISO 1173 C 6,3

| | L mm | | |
|---|---|---|---|
| M5 | 25 | 10 | 008610705 |
| M6 | 25 | 10 | 008610706 |
| M7 | 25 | 10 | 008610707 |
| M8 | 25 | 10 | 008610708 |
| M9 | 25 | 10 | 008610709 |

## 861TRW
bits for Tri-Wing® head screws

ISO 1173 C 6,3

| GR | L mm | | |
|---|---|---|---|
| 1 | 25 | 10 | 008610601 |
| 2 | 25 | 10 | 008610602 |
| 3 | 25 | 10 | 008610603 |
| 4 | 25 | 10 | 008610604 |
| 5 | 25 | 10 | 008610605 |
| 6 | 25 | 10 | 008610606 |

## 861TQS
bits for Torq-Set® head screws

ISO 1173 C 6,3

| GR | L mm | | |
|---|---|---|---|
| 0 | 25 | 10 | 008610620 |
| 1 | 25 | 10 | 008610621 |
| 2 | 25 | 10 | 008610622 |
| 3 | 25 | 10 | 008610623 |
| 4 | 25 | 10 | 008610624 |
| 5 | 25 | 10 | 008610625 |
| 6 | 25 | 10 | 008610626 |
| 8 | 25 | 10 | 008610628 |
| 10 | 25 | 10 | 008610630 |

## 861SP
bits for Spanner screws

ISO 1173 C 6,3

| SP | D mm | L mm | | |
|---|---|---|---|---|
| 4 | 1,5 | 25 | 10 | 008610650 |
| 6 | 2,4 | 25 | 10 | 008610653 |
| 8 | 2,8 | 25 | 10 | 008610656 |
| 10 | 3,3 | 25 | 10 | 008610658 |
| 12 | 3,9 | 25 | 10 | 008610660 |

## 1483KV-PT/S7

| | | |
|---|---|---|
| 1483KV PT/S7 | | 184 |

## 861XZN
bits for XZN® screws

ISO 1173 C 6,3

| | L mm | | |
|---|---|---|---|
| M5 | 25 | 10 | 008610725 |
| M6 | 25 | 10 | 008610726 |
| M8 | 25 | 10 | 008610728 |

## 861/C61P
61 bits and 1 magnetic quick release bit holder

| | | |
|---|---|---|
| 861/C61P | 1 | 008610978 |

| | | |
|---|---|---|
| 861LP | 0,5x3 - 0,6x4,5 - 0,8x5,5 - 1,0x5,5 1,2x6,5 - 1,2x8 - 1,6x8 mm |
| 861PE | 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm |
| 861PH | PH0 - PH1 - PH2 - PH3 |
| 861PZ | PZ1 - PZ2 - PZ3 |
| 861TX | T6 - T7 - T8 - T9 - T10 - T15 T20 - T25 - T27 - T30 - T40 |
| 861RTX | T9 - T10 - T15 - T20 - T25 T27 - T30 - T40 |
| 861TRW | 1 - 2 - 3 - 4 - 5 - 6 |
| 861TQS | 0 - 1 - 2 - 3 - 4 - 5 - 6 - 8 - 10 |
| 861SP | 4 - 6 - 8 - 10 - 12 |
| 851SR | 1/4" |

270x120x45 mm - 975 g

## 862LP
bits for slotted head screws

ISO 2351-1

ISO 1173 E 6,3

| SxA mm | L mm | | |
|---|---|---|---|
| 0,5x3 | 50 | 5 | 008620005 |
| 0,6x4,5 | 50 | 5 | 008620010 |
| 0,8x5,5 | 50 | 5 | 008620015 |
| 1x5,5 | 50 | 5 | 008620020 |
| 1,2x6,5 | 50 | 5 | 008620025 |
| 1,2x8 | 50 | 5 | 008620030 |
| 1,6x8 | 50 | 5 | 008620035 |

## 862PH
bits for cross head Phillips® screws

ISO 2351-2

ISO 1173 E 6,3

| PH | L mm | | |
|---|---|---|---|
| 1 | 50 | 5 | 008620200 |
| 2 | 50 | 5 | 008620205 |
| 3 | 50 | 5 | 008620210 |

## 862PH/L
bits for cross head Phillps® screws

ISO 2351-2

ISO 1173 E 6,3

| PH | L mm | | |
|---|---|---|---|
| 1 | 70 | 5 | 008620230 |
| 2 | 70 | 5 | 008620232 |
| 3 | 70 | 5 | 008620234 |

## 862PH-XL
bits for cross head Phillips® screws

ISO 2351-2ISO 1173 E 6,3

| PH | L mm | | |
|---|---|---|---|
| 1 | 100 | 5 | 008620250 |
| 2 | 100 | 5 | 008620252 |
| 3 | 100 | 5 | 008620254 |

## 862PZ
bits for cross head Pozidriv®-Supadriv® screws

ISO 2351-2

ISO 1173 E 6,3

| PZ | L mm | | |
|---|---|---|---|
| 1 | 50 | 5 | 008620300 |
| 2 | 50 | 5 | 008620305 |
| 3 | 50 | 5 | 008620310 |

## 862PE
hexagon bits for power drivers

ISO 2351-3

ISO 1173 E 6,3

| mm | L mm | | |
|---|---|---|---|
| 3 | 50 | 5 | 008620103 |
| 4 | 50 | 5 | 008620104 |
| 5 | 50 | 5 | 008620105 |
| 6 | 50 | 5 | 008620106 |
| 8 | 50 | 5 | 008620108 |

## 862TX
bits for Torx® head screws

ISO 1173 E 6,3

| | L mm | | |
|---|---|---|---|
| T6 | 50 | 5 | 008620506 |
| T7 | 50 | 5 | 008620507 |
| T8 | 50 | 5 | 008620508 |
| T9 | 50 | 5 | 008620509 |
| T10 | 50 | 5 | 008620510 |
| T15 | 50 | 5 | 008620515 |
| T20 | 50 | 5 | 008620520 |
| T25 | 50 | 5 | 008620525 |
| T27 | 50 | 5 | 008620527 |
| T30 | 50 | 5 | 008620530 |
| T40 | 50 | 5 | 008620540 |

## 862TX/L
bits for Torx® head screws

ISO 1173 E 6,3

| | L mm | | |
|---|---|---|---|
| T6 | 70 | 5 | 008620556 |
| T7 | 70 | 5 | 008620557 |
| T8 | 70 | 5 | 008620558 |
| T9 | 70 | 5 | 008620559 |
| T10 | 70 | 5 | 008620560 |
| T15 | 70 | 5 | 008620565 |
| T20 | 70 | 5 | 008620570 |
| T25 | 70 | 5 | 008620575 |
| T27 | 70 | 5 | 008620577 |
| T30 | 70 | 5 | 008620580 |
| T40 | 70 | 5 | 008620590 |

## 862TX-XL
bits for Torx® head screws

ISO 1173 E 6,3

| | L mm | | |
|---|---|---|---|
| T9 | 100 | 5 | 008620659 |
| T10 | 100 | 5 | 008620660 |
| T15 | 100 | 5 | 008620665 |
| T20 | 100 | 5 | 008620670 |
| T25 | 100 | 5 | 008620675 |
| T27 | 100 | 5 | 008620677 |
| T30 | 100 | 5 | 008620680 |
| T40 | 100 | 5 | 008620690 |

## 862F
magnetic bits, hexagon sockets

ISO 1173 E 6,3

| mm | L mm | Ø mm | | |
|---|---|---|---|---|
| 5,5 | 65 | 11 | 5 | 008620405 |
| 6 | 65 | 11 | 5 | 008620406 |
| 7 | 65 | 11 | 5 | 008620407 |
| 8 | 65 | 13 | 5 | 008620408 |
| 10 | 65 | 15 | 5 | 008620410 |
| 12 | 65 | 18 | 5 | 008620412 |
| 13 | 65 | 18 | 5 | 008620413 |

## 862F/A7
7 magnetic bits, hexagon sockets, in plastic case

| | | |
|---|---|---|
| 862F/A7 | 1 | 008620950 |

862F 5,5-6-7-8-10-12-13 mm

## 866LP
bits for slotted head screws

ISO 2351-1
ISO 1173 C 8

| SxA mm | L mm | | |
|---|---|---|---|
| 1x5,5 | 41 | 10 | 008660005 |
| 1,2x6,5 | 41 | 10 | 008660010 |
| 1,6x8 | 41 | 10 | 008660015 |
| 1,6x10 | 41 | 10 | 008660020 |
| 2x12 | 41 | 10 | 008660025 |

## 866PH
bits for cross head Phillips® screws

ISO 2351-2

ISO 1173 C 8

| PH | L mm | | |
|---|---|---|---|
| 1 | 32 | 10 | 008660200 |
| 2 | 32 | 10 | 008660205 |
| 3 | 32 | 10 | 008660210 |
| 4 | 38 | 10 | 008660215 |

## 866PZ
bits for cross head Pozidriv®-Supadriv® screws

ISO 2351-2

ISO 1173 C 8

| PZ | L mm | | |
|---|---|---|---|
| 1 | 32 | 10 | 008660300 |
| 2 | 32 | 10 | 008660305 |
| 3 | 32 | 10 | 008660310 |
| 4 | 38 | 10 | 008660315 |

## 866PE
hexagon bits for power drivers

ISO 2351-3

ISO 1173 C 8

| mm | L mm | | |
|---|---|---|---|
| 3 | 30 | 10 | 008660100 |
| 4 | 30 | 10 | 008660105 |
| 5 | 30 | 10 | 008660110 |
| 6 | 30 | 10 | 008660115 |
| 7 | 30 | 10 | 008660117 |
| 8 | 30 | 10 | 008660120 |
| 10 | 30 | 10 | 008660125 |
| 12 | 30 | 10 | 008660132 |
| 14 | 30 | 10 | 008660134 |

## 866TX
bits for Torx® head screws

ISO 1173 C 8

| | L mm | | |
|---|---|---|---|
| T20 | 30 | 10 | 008660400 |
| T25 | 30 | 10 | 008660405 |
| T27 | 30 | 10 | 008660410 |
| T30 | 30 | 10 | 008660415 |
| T40 | 30 | 10 | 008660420 |
| T45 | 30 | 10 | 008660425 |
| T50 | 30 | 10 | 008660430 |
| T55 | 30 | 10 | 008660435 |
| T60 | 30 | 10 | 008660440 |
| T70 | 30 | 10 | 008660445 |

## 866RTX
bits for Tamper Resistant Torx® head screws

ISO 1173 C 8

| | L mm | | |
|---|---|---|---|
| T40 | 30 | 10 | 008660520 |
| T45 | 30 | 10 | 008660525 |
| T50 | 30 | 10 | 008660530 |
| T55 | 30 | 10 | 008660535 |
| T60 | 30 | 10 | 008660540 |
| T70 | 30 | 10 | 008660545 |

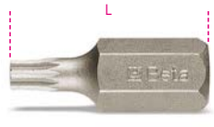
## 867PE
hexagon bits

| mm | L mm | | |
|---|---|---|---|
| 4 | 30 | 5 | 008670104 |
| 5 | 30 | 5 | 008670105 |
| 6 | 30 | 5 | 008670106 |
| 7 | 30 | 5 | 008670107 |
| 8 | 30 | 5 | 008670108 |
| 10 | 30 | 5 | 008670110 |
| 12 | 30 | 5 | 008670112 |

## 867PE/L
hexagon bits

| mm | L mm | | |
|---|---|---|---|
| 4 | 75 | 5 | 008670154 |
| 5 | 75 | 5 | 008670155 |
| 6 | 75 | 5 | 008670156 |
| 7 | 75 | 5 | 008670157 |
| 8 | 75 | 5 | 008670158 |
| 10 | 75 | 5 | 008670160 |
| 12 | 75 | 5 | 008670162 |

## 867XZN
bits with XZN® profile



| | L mm | | |
|---|---|---|---|
| M4 | 30 | 5 | 008670204 |
| M5 | 30 | 5 | 008670205 |
| M6 | 30 | 5 | 008670206 |
| M8 | 30 | 5 | 008670208 |
| M10 | 30 | 5 | 008670210 |
| M12 | 30 | 5 | 008670212 |

## 867XZN/L
bits with XZN® profile

| | L mm | | |
|---|---|---|---|
| M5 | 75 | 5 | 008670255 |
| M6 | 75 | 5 | 008670256 |
| M8 | 75 | 5 | 008670258 |
| M10 | 75 | 5 | 008670260 |
| M12 | 75 | 5 | 008670262 |

## 867TX
bits for Torx® head screws

| | L mm | | |
|---|---|---|---|
| T20 | 30 | 5 | 008670400 |
| T25 | 30 | 5 | 008670405 |
| T30 | 30 | 5 | 008670410 |
| T40 | 30 | 5 | 008670415 |
| T45 | 30 | 5 | 008670420 |
| T50 | 30 | 5 | 008670425 |
| T55 | 30 | 5 | 008670430 |

## 867TX/L
bits for Torx® head screws

| | L mm | | |
|---|---|---|---|
| T20 | 75 | 5 | 008670450 |
| T25 | 75 | 5 | 008670455 |
| T30 | 75 | 5 | 008670460 |
| T40 | 75 | 5 | 008670465 |
| T45 | 75 | 5 | 008670470 |
| T50 | 75 | 5 | 008670475 |
| T55 | 75 | 5 | 008670480 |

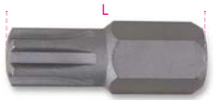
## 867RTX
bits for Tamper Resistant Torx® head screws

| | L mm | | |
|---|---|---|---|
| T20 | 30 | 5 | 008670500 |
| T25 | 30 | 5 | 008670505 |
| T30 | 30 | 5 | 008670510 |
| T40 | 30 | 5 | 008670515 |
| T45 | 30 | 5 | 008670520 |
| T50 | 30 | 5 | 008670525 |
| T55 | 30 | 5 | 008670530 |

## 867RTX/L
bits for Tamper Resistant Torx® head screws

| | L mm | | |
|---|---|---|---|
| T20 | 75 | 5 | 008670550 |
| T25 | 75 | 5 | 008670555 |
| T30 | 75 | 5 | 008670560 |
| T40 | 75 | 5 | 008670565 |
| T45 | 75 | 5 | 008670570 |
| T50 | 75 | 5 | 008670575 |
| T55 | 75 | 5 | 008670580 |

## 867RIBE
bits for RIBE® screws



| | L mm | | |
|---|---|---|---|
| M5 | 30 | 5 | 008670705 |
| M6 | 30 | 5 | 008670706 |
| M7 | 30 | 5 | 008670707 |
| M8 | 30 | 5 | 008670708 |
| M9 | 30 | 5 | 008670709 |
| M10 | 30 | 5 | 008670710 |
| M11 | 30 | 5 | 008670711 |
| M12 | 30 | 5 | 008670712 |
| M13 | 30 | 5 | 008670713 |

## 867RIBE/L
bits for RIBE® screws

| | L mm | | |
|---|---|---|---|
| M5 | 75 | 5 | 008670755 |
| M6 | 75 | 5 | 008670756 |
| M7 | 75 | 5 | 008670757 |
| M8 | 75 | 5 | 008670758 |
| M9 | 75 | 5 | 008670759 |
| M10 | 75 | 5 | 008670760 |
| M11 | 75 | 5 | 008670761 |
| M12 | 75 | 5 | 008670762 |
| M13 | 75 | 5 | 008670763 |

## 867/...
bit holder sockets for item 867

| | mm | □ | L mm | Ø mm | | |
|---|---|---|---|---|---|---|
| 867/1 | 10 | 3/8" | 38 | 17 | 5 | 008670600 |
| 867/2 | 10 | 1/2" | 38 | 22 | 5 | 008670601 |

## 867/C20
18 bits for RIBE® screws, with 10 mm hexagon drive and 2 accessories

| | | |
|---|---|---|
| 867/C20 | 1 | 008670920 |

867RIBE 5-6-7-8-9-10-11-12-13 mm
867RIBE/L 5-6-7-8-9-10-11-12-13 mm
867/1
867/2
335x145x60 mm - 1,7 kg

## 867/C38

38 hexagon bits, 10 mm, 1 bit holder with articulated T handle

867/C38 — 1 — 008670938

| | | |
|---|---|---|
| | 852 | 10 mm |
| | 867PE | 4-5-6-7-8-10-12mm |
| | 867PE/L | 4-5-6-7-8-10-12mm |
| | 867XZN | M5-M6-M8-M10-M12 |
| | 867XZN/L | M5-M6-M8-M10-M12 |
| | 867TX | T20-T25-T30-T40-T45-T50-T55 |
| | 867TX/L | T20-T25-T30-T40-T45-T50-T55 |
| | 882 | |

420x185x60 mm - 3 kg

## 867/C52

52 hexagon bits, 10 mm and 2 accessories

867/C52 — 1 — 008670901

| | | |
|---|---|---|
| | 867PE | 4-5-6-7-8-10-12 mm |
| | 867PE/L | 4-5-6-7-8-10-12 mm |
| | 867XZN | M5-M6-M8-M10-M12 |
| | 867XZN/L | M5-M6-M8-M10-M12 |
| | 867TX | T20-T25-T30-T40-T45-T50-T55 |
| | 867TX/L | T20-T25-T30-T40-T45-T50-T55 |
| | 867RTX | T20-T25-T30-T40-T45-T50-T55 |
| | 867RTX/L | T20-T25-T30-T40-T45-T50-T55 |
| | 867/1 | ⬡ 10 mm - □ 3/8" |
| | 867/2 | ⬡ 10 mm - □ 1/2" |

250x170x70 mm - 2,1 kg

## 852

852 — 76,113

## 882

bit holder with retaining ring for drivers

ISO 1173 E 6,3

| L mm | ⬡ | ⬢ | Ø mm | | |
|---|---|---|---|---|---|
| 57 | 1/4 | 1/4 | 11 | 5 | 008820001 |

## 882AN

bevel gearbox, 1/4" hexagon drive

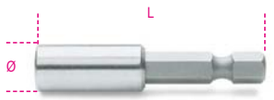
- For electric drills with 10 mm and 13 mm spindles and 1/4" impact wrenches
- Max. speed: 3600 rpm
- Max. torque: 30 Nm
- With quick change bit holder
- Gear ratio: 1:1
- Connection to tool through 1/4" hexagon D6.3

ISO 1173 E 6,3
ISO 1173 C 6,3

| L mm | ⬡ | ⬢ | | |
|---|---|---|---|---|
| 137 | 1/4 | 1/4 | 1 | 008820090 |

## 882M1

magnetic bit holder




ISO 1173 E 6,3

| L mm | ⬡ | ⬢ | Ø mm | | |
|---|---|---|---|---|---|
| 50 | 1/4 | 1/4 | 11 | 5 | 008820006 |

## 882M

magnetic bit holder

ISO 1173 E 6,3

| L mm | ⬡ | ⬢ | Ø mm | | |
|---|---|---|---|---|---|
| 75 | 1/4 | 1/4 | 11 | 5 | 008820005 |

## 882MSR

magnetic quick release bit holder for drivers

ISO 1173 E 6,3

| L mm | ⬡ | ⬢ | Ø mm | | |
|---|---|---|---|---|---|
| 50 | 1/4 | 1/4 | 11 | 5 | 008820205 |
| 75 | 1/4 | 1/4 | 11 | 5 | 008820207 |

## 882P

magnetic bit holder extension bar

| L mm | ⬢ | ⬡ | Ø mm | | |
|---|---|---|---|---|---|
| 80 | 1/4 | 1/4 | 10 | 5 | 008820080 |

## 892

adaptors for drivers

| | ■ | ⬢ | L mm | | |
|---|---|---|---|---|---|
| 892/0 | 1/4 | 1/4 | 25 | 5 | 008920000 |
| * 892/1 | 1/4 | 5,5 | 50 | 5 | 008920001 |
| * 892/2 | 3/8 | 5,5 | 50 | 5 | 008920002 |
| ° 892/3 | 1/4 | 1/4 | 50 | 5 | 008920003 |
| ° 892/4 | 3/8 | 1/4 | 50 | 5 | 008920004 |
| 892/5 | 1/4 | 5/16 | 75 | 5 | 008920005 |
| 892/6 | 3/8 | 5/16 | 75 | 5 | 008920006 |
| 892/7 | 1/2 | 1/4 | 75 | 5 | 008920007 |

* ISO 1173 A 5,5
° ISO 1173 C 6,3

# RATCHETS 9xx/55

## 895
socket holder for bits
item 861 - 862 - 866

DIN 7427

| | ○ | □ | L mm | Ø mm | | |
|---|---|---|---|---|---|---|
| **895/1** | 1/4 | 1/4 | 25,4 | 12 | 5 | 008950000 |
| **895/3** | 1/4 | 3/8 | 29 | 16,8 | 5 | 008950001 |
| **895/4** | 5/16 | 3/8 | 29 | 16,8 | 5 | 008950002 |
| **895/5** | 1/4 | 1/2 | 38 | 22 | 5 | 008950005 |
| **895/6** | 5/16 | 1/2 | 38 | 22 | 5 | 008950003 |

## 897
flexible bit holder with handle

| L mm | L1 mm | | |
|---|---|---|---|
| **280** | 154 | 2 | 008970010 |

## 897L
flexible bit holder with handle, long model

| L mm | L1 mm | | |
|---|---|---|---|
| **500** | 380 | 2 | 008970015 |

- Pressing of hand on ratchet head does not cause reversal and always allows free lever return
- One-handed reversal
- Outstanding mechanical characteristics

Reduced work load, 17 teeth in contact with gear at all times

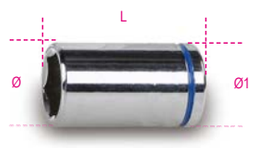
## 900
hexagon hand sockets

UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 3,2 | 6,6 | 25 | 11,8 | 10 | 009000032 |
| 4 | 6,8 | 25 | 11,8 | 10 | 009000040 |
| 4,5 | 7,4 | 25 | 11,8 | 10 | 009000045 |
| 5 | 8,0 | 25 | 11,8 | 10 | 009000050 |
| 5,5 | 8,7 | 25 | 11,8 | 10 | 009000055 |
| 6 | 9,3 | 25 | 11,8 | 10 | 009000060 |
| 7 | 10,4 | 25 | 11,8 | 10 | 009000070 |
| 8 | 11,8 | 25 | 12,7 | 10 | 009000080 |
| 9 | 12,7 | 25 | 11,8 | 10 | 009000090 |
| 10 | 14,2 | 25 | 12,0 | 10 | 009000100 |
| 11 | 15,8 | 25 | 12,5 | 10 | 009000110 |
| 12 | 17,2 | 25 | 13,5 | 10 | 009000120 |
| 13 | 18,0 | 25 | 13,5 | 10 | 009000130 |
| 14 | 20,0 | 25 | 15,0 | 10 | 009000140 |

**900/SB13** 1 009000150
4-4,5-5-5,5-6-7-8-9
10-11-12-13-14 mm

## 900MC
hexagon hand sockets, coloured




| mm | L mm | Ø mm | Ø1 mm | | | |
|---|---|---|---|---|---|---|
| 4 | 24,8 | 6,7 | 11,8 | | 5 | 009002040 |
| 5 | 24,8 | 8,0 | 11,8 | | 5 | 009002050 |
| 6 | 24,8 | 9,2 | 11,8 | | 5 | 009002060 |
| 7 | 24,8 | 10,7 | 11,8 | | 5 | 009002070 |
| 8 | 24,8 | 11,8 | 11,8 | | 5 | 009002080 |
| 9 | 24,8 | 12,8 | 12,8 | | 5 | 009002090 |
| 10 | 24,8 | 14,8 | 14,8 | | 5 | 009002100 |
| 11 | 24,8 | 15,8 | 15,8 | | 5 | 009002110 |
| 12 | 24,8 | 16,8 | 16,8 | | 5 | 009002120 |
| 13 | 24,8 | 17,8 | 17,8 | | 5 | 009002130 |
| 14 | 24,8 | 19,5 | 19,5 | | 5 | 009002140 |

## 900MB
bi-hex hand sockets

UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 4 | 6,7 | 22 | 11,2 | 5 | 009000160 |
| 5 | 7,7 | 25 | 11,2 | 5 | 009000161 |
| 5,5 | 8,3 | 25 | 11,2 | 5 | 009000162 |
| 6 | 9,0 | 25 | 11,2 | 5 | 009000163 |
| 7 | 10,2 | 25 | 11,2 | 5 | 009000164 |
| 8 | 11,3 | 25 | 12,0 | 5 | 009000165 |
| 9 | 13,0 | 25 | 12,0 | 5 | 009000166 |
| 10 | 14,3 | 25 | 12,9 | 5 | 009000167 |
| 11 | 16,0 | 25 | 14,3 | 5 | 009000168 |
| 12 | 17,4 | 25 | 16,0 | 5 | 009000169 |
| 13 | 18,0 | 25 | 16,4 | 5 | 009000170 |
| 14 | 19,3 | 25 | 17,9 | 5 | 009000171 |

**900MB/SB12** 1 009000179
4-5-5,5-6-7-8-9-10
11-12-13-14 mm

## 900L
hexagon hand sockets, long series

UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 4 | 6,5 | 50 | 12,0 | 5 | 009000181 |
| 4,5 | 7,0 | 50 | 12,0 | 5 | 009000182 |
| 5 | 7,5 | 50 | 12,0 | 5 | 009000183 |
| 5,5 | 8,5 | 50 | 12,0 | 5 | 009000184 |
| 6 | 9,5 | 50 | 12,0 | 5 | 009000185 |
| 7 | 10,5 | 50 | 12,0 | 5 | 009000186 |
| 8 | 12,0 | 50 | 12,0 | 5 | 009000187 |
| 9 | 13,0 | 50 | 13,0 | 5 | 009000188 |
| 10 | 14,0 | 50 | 14,0 | 5 | 009000189 |
| 11 | 16,0 | 50 | 16,0 | 5 | 009000190 |
| 12 | 17,5 | 50 | 17,5 | 5 | 009000191 |
| 13 | 17,5 | 50 | 17,5 | 5 | 009000192 |
| 14 | 20,0 | 50 | 20,0 | 5 | 009000193 |

**900L/SB13** 1 009000203
4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm

## 900MB/L
bi-hex hand sockets, long series

UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 5 | 8,0 | 50 | 12,0 | 3 | 009000211 |
| 6 | 9,3 | 50 | 12,0 | 3 | 009000212 |
| 7 | 10,9 | 50 | 12,0 | 3 | 009000213 |
| 8 | 11,6 | 50 | 12,0 | 3 | 009000214 |
| 9 | 13,0 | 50 | 12,0 | 3 | 009000215 |
| 10 | 14,3 | 50 | 12,8 | 3 | 009000216 |
| 11 | 16,0 | 50 | 14,2 | 3 | 009000217 |
| 12 | 17,4 | 50 | 15,5 | 3 | 009000218 |
| 13 | 18,0 | 50 | 16,2 | 3 | 009000219 |
| 14 | 19,0 | 50 | 17,1 | 3 | 009000220 |

## 900AS
hexagon hand sockets

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 5/32 | 8,8 | 25 | 11,9 | 5 | 009000349 |
| 3/16 | 7,7 | 25 | 11,9 | 5 | 009000340 |
| 7/32 | 8,8 | 25 | 11,9 | 5 | 009000345 |
| 1/4 | 9,6 | 25 | 11,9 | 5 | 009000350 |
| 9/32 | 10,2 | 25 | 11,9 | 5 | 009000355 |
| 5/16 | 11,3 | 25 | 11,9 | 5 | 009000360 |
| 11/32 | 12,7 | 25 | 11,6 | 5 | 009000365 |
| 3/8 | 14,0 | 25 | 12,9 | 5 | 009000370 |
| 7/16 | 15,3 | 25 | 14,5 | 5 | 009000375 |
| 1/2 | 17,5 | 25 | 16,4 | 5 | 009000380 |
| 9/16 | 19,0 | 25 | 17,9 | 5 | 009000385 |

**900AS/SB11** 1 009000389
3/16-7/32-5/32-1/4-9/32-5/16-11/32-3/8-
7/16-1/2-9/16

## 900AS/MB
bi-hex hand sockets

SAE AS 954E

| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 3/16 | 7,7 | 22 | 10,9 | 2 | 009000390 |
| 7/32 | 8,5 | 22 | 10,9 | 2 | 009000391 |
| 1/4 | 9,4 | 22 | 10,9 | 2 | 009000392 |
| 9/32 | 10,2 | 22 | 10,9 | 2 | 009000393 |
| 5/16 | 11,3 | 22 | 11,7 | 2 | 009000394 |
| 11/32 | 12,5 | 22 | 12,0 | 2 | 009000395 |
| 3/8 | 13,7 | 22 | 12,9 | 2 | 009000396 |
| 7/16 | 15,6 | 22 | 14,3 | 2 | 009000397 |
| 1/2 | 17,2 | 22 | 16,4 | 2 | 009000398 |
| 9/16 | 18,8 | 24 | 17,9 | 2 | 009000399 |

## 900AS/L
hexagon hand sockets, long series

SAE AS 954E

| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 3/16 | 7,0 | 50 | 12,0 | 2 | 009000301 |
| 7/32 | 8,5 | 50 | 12,0 | 2 | 009000303 |
| 1/4 | 9,8 | 50 | 12,0 | 2 | 009000305 |
| 9/32 | 10,5 | 50 | 12,0 | 2 | 009000307 |
| 5/16 | 12,0 | 50 | 12,0 | 2 | 009000309 |
| 11/32 | 13,0 | 50 | 13,0 | 2 | 009000311 |
| 3/8 | 14,0 | 50 | 14,0 | 2 | 009000313 |
| 7/16 | 16,0 | 50 | 16,0 | 2 | 009000315 |
| 1/2 | 17,5 | 50 | 17,5 | 2 | 009000317 |
| 9/16 | 20,0 | 50 | 20,0 | 2 | 009000319 |

## 900AS/MBL
bi-hex hand sockets, long series

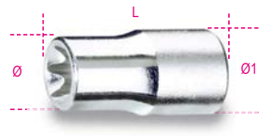
| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 5/32 | 6,8 | 50 | 12,0 | 2 | 009000325 |
| 3/16 | 8,0 | 50 | 12,0 | 2 | 009000326 |
| 7/32 | 8,5 | 50 | 12,0 | 2 | 009000327 |
| 1/4 | 9,8 | 50 | 12,0 | 2 | 009000328 |
| 9/32 | 10,9 | 50 | 12,0 | 2 | 009000329 |
| 5/16 | 11,6 | 50 | 12,0 | 2 | 009000330 |
| 11/32 | 13,0 | 50 | 12,0 | 2 | 009000331 |
| 3/8 | 14,3 | 50 | 12,8 | 2 | 009000332 |
| 7/16 | 16,0 | 50 | 14,2 | 2 | 009000333 |
| 1/2 | 18,0 | 50 | 16,2 | 2 | 009000334 |
| 9/16 | 19,0 | 50 | 17,1 | 2 | 009000335 |

## 900U
gear lock hand sockets

| mm | " | | | | |
|---|---|---|---|---|---|
| 4 | 5/32 | E5 | M5 | 5 | 009001702 |
| 4,5 | 3/16 | E6 | | 5 | 009001703 |
| 5 | 13/64 | | M6 | 5 | 009001704 |
| 5,5 | 7/32 | E7 | | 5 | 009001705 |
| 6 | 1/4 | E8 | M8 | 5 | 009001706 |
| 7 | 9/32 | | | 5 | 009001707 |
| 8 | 5/16 | E10 | M10 | 5 | 009001708 |
| 9 | 11/32 | | | 5 | 009001709 |
| 10 | 3/8 | E12 | M12 | 5 | 009001710 |
| 11 | 7/16 | E14 | M14 | 5 | 009001711 |
| 12 | 15/32 | E16 | | 5 | 009001712 |
| 13 | 1/2 | | M16 | 5 | 009001713 |
| 14 | 9/16 | E18 | M18 | 5 | 009001714 |

**900U/SB13** — 1 009001750
4-4,5-5-5,5-6-7-8-9
10-11-12-13-14 mm

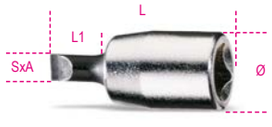
## 900FTX
hand sockets for Torx® head screws




| | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| E4 | 5,4 | 22 | 11,2 | 5 | 009000404 |
| E5 | 6,7 | 22 | 11,2 | 5 | 009000405 |
| E6 | 7,7 | 22 | 11,2 | 5 | 009000406 |
| E7 | 8,3 | 22 | 11,2 | 5 | 009000407 |
| E8 | 9,6 | 22 | 11,2 | 5 | 009000408 |
| E10 | 11,3 | 22 | 12,0 | 5 | 009000410 |
| E11 | 12,1 | 22 | 12,5 | 5 | 009000411 |
| E12 | 12,9 | 23 | 12,9 | 5 | 009000412 |
| E14 | 14,0 | 25 | 14,0 | 5 | 009000414 |

**900FTX/SB9** — 1 009000419
E4-E5-E6-E7-E8
E10-E11-E12-E14

## 900LP
socket drivers for slotted head screws




| SxA mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 0,8x4 | 12 | 28 | 9 | 5 | 009000605 |
| 1x5,5 | 12 | 28 | 9 | 5 | 009000610 |
| 1,2x6,5 | 12 | 28 | 9 | 5 | 009000615 |
| 1,2x8 | 13 | 28 | 8 | 5 | 009000620 |
| 1,6x10 | 14 | 28 | 8 | 5 | 009000625 |

## 900MC/LP
socket drivers
for slotted head screws, coloured

| SxA mm | Ø mm | L mm | L1 mm | | | |
|---|---|---|---|---|---|---|
| 0,8x4 | 12 | 28 | 9 | | 3 | 009002605 |
| 1,2x6,5 | 12 | 28 | 9 | | 3 | 009002615 |
| 1,2x8 | 13 | 28 | 8 | | 3 | 009002620 |

## 900PH
socket drivers
for cross head Phillips® screws

| PH | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 1 | 12 | 28 | 12 | 5 | 009000701 |
| 2 | 12 | 28 | 12 | 5 | 009000702 |
| 3 | 12 | 28 | 12 | 5 | 009000703 |
| 4 | 13 | 28 | 11 | 5 | 009000704 |

**900PH/SB4** — 1 009000708
PH1-PH2-PH3-PH4

## 900MC/PH
socket drivers
for cross head Phillips® screws, coloured

| PH | Ø mm | L mm | L1 mm | | | |
|---|---|---|---|---|---|---|
| 1 | 12 | 28 | 12 | | 3 | 009002701 |
| 2 | 12 | 28 | 12 | | 3 | 009002702 |
| 3 | 12 | 28 | 12 | | 3 | 009002703 |

## 900PZ
socket drivers for cross head Pozidriv®-Supadriv® screws

| PZ | Ø mm | L mm | | |
|---|---|---|---|---|
| 1 | 12 | 28 | 3 | 009000711 |
| 2 | 12 | 28 | 3 | 009000712 |
| 3 | 12 | 28 | 3 | 009000713 |

## 900ME
socket drivers for hexagon screws

| mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 2,5 | 12 | 25 | 4,5 | 5 | 009000502 |
| 3 | 12 | 25 | 5,0 | 5 | 009000503 |
| 4 | 12 | 25 | 5,6 | 5 | 009000504 |
| 5 | 12 | 25 | 6,3 | 5 | 009000505 |
| 6 | 12 | 25 | 7,6 | 5 | 009000506 |
| 7 | 13 | 25 | 7,2 | 5 | 009000507 |
| 8 | 13 | 25 | 8,0 | 5 | 009000508 |
| 10 | 13 | 25 | 8,7 | 5 | 009000510 |

| | | |
|---|---|---|
| **900ME/SB8**<br>2,5-3-4-5-6-7-8-10 mm | 1 | 009000518 |

## 900PE/AS
socket drivers for hexagon screws

| " | Ø mm | L mm | | |
|---|---|---|---|---|
| 1/8 | 11,9 | 25 | 5 | 009000521 |
| 5/32 | 11,9 | 25 | 5 | 009000522 |
| 3/16 | 11,9 | 25 | 5 | 009000523 |
| 7/32 | 11,9 | 25 | 5 | 009000524 |
| 1/4 | 11,9 | 25 | 5 | 009000525 |
| 9/32 | 13,1 | 25 | 5 | 009000526 |
| 5/16 | 13,1 | 25 | 5 | 009000527 |

## 900PT
socket drivers for 5-star head screws

| | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| PT10 | 12 | 28 | 12 | 5 | 009000750 |
| PT15 | 12 | 28 | 12 | 5 | 009000755 |
| PT20 | 12 | 28 | 12 | 5 | 009000760 |
| PT25 | 12 | 28 | 12 | 5 | 009000765 |
| PT27 | 12 | 28 | 12 | 5 | 009000767 |
| PT30 | 12 | 28 | 12 | 5 | 009000770 |

## 900TX
socket drivers for Torx® head screws

| | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| T6 | 12 | 28 | 12 | 5 | 009000717 |
| T7 | 12 | 28 | 12 | 5 | 009000718 |
| T8 | 12 | 28 | 12 | 5 | 009000719 |
| T9 | 12 | 28 | 12 | 5 | 009000720 |
| T10 | 12 | 28 | 12 | 5 | 009000721 |
| T15 | 12 | 28 | 12 | 5 | 009000722 |
| T20 | 12 | 28 | 12 | 5 | 009000723 |
| T25 | 12 | 28 | 12 | 5 | 009000724 |
| T27 | 12 | 28 | 12 | 5 | 009000725 |
| T30 | 12 | 28 | 12 | 5 | 009000726 |
| T40 | 12 | 28 | 12 | 5 | 009000727 |

| | | |
|---|---|---|
| **900TX/SB8**<br>T9-T10-T15-T20<br>T25-T27-T30-T40 | 1 | 009000730 |

## 900MC/TX
socket drivers
for Torx® head screws, coloured

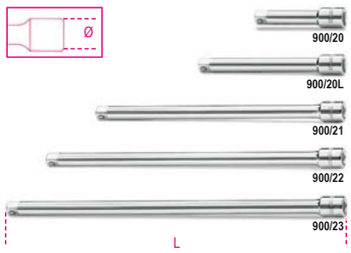
| | Ø mm | L mm | L1 mm | | | |
|---|---|---|---|---|---|---|
| T10 | 12 | 28 | 12 | | 3 | 009002721 |
| T15 | 12 | 28 | 12 | | 3 | 009002722 |
| T20 | 12 | 28 | 12 | | 3 | 009002723 |
| T25 | 12 | 28 | 12 | | 3 | 009002724 |
| T27 | 12 | 28 | 12 | | 3 | 009002725 |
| T30 | 12 | 28 | 12 | | 3 | 009002726 |
| T40 | 12 | 28 | 12 | | 3 | 009002727 |

## 900/16
adaptor, 1/4" female and 3/8"
male drives

UNI/ISO 3316 DIN 3123

| mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| 28 | 13,0 | 1/4 | 3/8 | 5 | 009000814 |

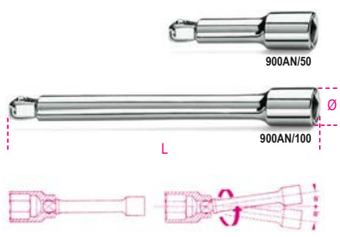
## 900/...
1/4" female and male drive
extension bars




UNI/ISO 3316 DIN 3123

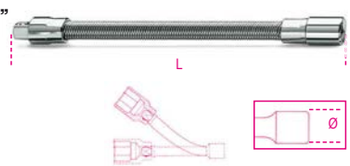
| | L mm | Ø mm | | |
|---|---|---|---|---|
| 900/20 | 50 | 11,5 | 5 | 009000818 |
| 900/20L | 100 | 11,5 | 5 | 009000819 |
| 900/21 | 150 | 11,5 | 5 | 009000822 |
| 900/22 | 250 | 11,5 | 5 | 009000823 |
| 900/23 | 350 | 11,5 | 5 | 009000824 |

## 900AN
1/4" wobble extension bars




| | L mm | Ø mm | | |
|---|---|---|---|---|
| 900AN/50 | 50 | 11,5 | 3 | 009000825 |
| 900AN/100 | 100 | 11,5 | 3 | 009000826 |

## 900FL
1/4" flexible universal extension bar




| L mm | Ø mm | | |
|---|---|---|---|
| 150 | 12 | 3 | 009000828 |

## 900/25
1/4" drive universal joint

UNI/ISO 3316 DIN 3123

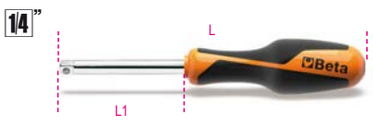
| L mm | Ø mm | | |
|---|---|---|---|
| 41 | 12,5 | 5 | 009000830 |

## 900BG/30C
1/4” drive spinner handle

UNI/ISO 3315 DIN 3122

| L mm | L1 mm | | |
|---|---|---|---|
| 128 | 20 | 5 | 009000833 |

## 900BG/30
1/4” drive spinner handle




UNI/ISO 3315 DIN 3122

| L mm | L1 mm | | |
|---|---|---|---|
| 176 | 68 | 5 | 009000834 |

## 900/32
1/4” drive flexible handle

| L mm | L1 mm | | |
|---|---|---|---|
| 280 | 154 | 2 | 009000839 |

## 900/35A
1/4” drive swivel handle

UNI/ISO 3315 DIN 3122

| L mm | L1 mm | | |
|---|---|---|---|
| 148 | 84 | 5 | 009000840 |

## 900M/35
1/4” swivel drive with metal handle

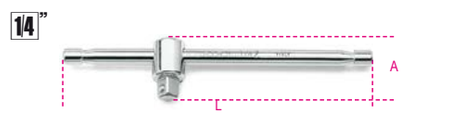
UNI/ISO 3315 DIN 3122

| L mm | | |
|---|---|---|
| 130 | 3 | 009000845 |

## 900/40
1/4” drive swivel T-handle

| L mm | L1 mm | | |
|---|---|---|---|
| 390 | 145 | 3 | 009000843 |

## 900/42
1/4” drive sliding T-handle




UNI/ISO 3315 DIN 3122

| L mm | A mm | | |
|---|---|---|---|
| 115 | 22 | 5 | 009000854 |

## 900T/44
1/4" male drive, bent,
with high torque handle

| L mm | L1 mm | | |
|---|---|---|---|
| 238 | 105 | 2 | 009000860 |

## 900/55
1/4” drive reversible ratchet, 48 teeth

UNI/ISO 3315 DIN 3122

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 125 | 25 | 29 | 5 | 009000870 |

## 900/55Z

Ratchet 900/55Z
was developed
by Beta’s Technical Department
with a new 72-tooth mechanism,
15 teeth being in contact
with the gear at all times.

Therefore, the work load is distributed over a large number of teeth, thereby resulting in reduced wear of the individual parts and in an extremely long work life.

In addition, the 72 teeth ensure a take-up angle of no more than 5° and an extremely compact head, thereby providing quick access to smaller spaces as well.

Beta’s ergonomic bi-material handle allows both quick use of the ratchet and the application of increased force.

## 900/55Z
1/4" drive reversible ratchet, 72 tooth mechanism

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 126 | 25 | 23 | 3 | 009000882 |

## 900M/55

1/4” drive reversible ratchet with metal handle

UNI/ISO 3315
DIN 3122

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 110 | 22 | 18 | 3 | 009000905 |

**Spare parts**
**rotating mechanism of ratchets,**
**see table after item 929/C8**

## 900/58

1/4" drive reversible ratchet with rotating handle, 52 tooth mechanism

- **Socket release button**
- **Ring nut reversal system on ratchet head**
- **Bi-material handle**

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 126 | 28 | 28,5 | 2 | 009000884 |

## 900/C39N

11 hexagon sockets, 21 bits and 7 accessories

**900/C39N** — 1 009000947

| | | |
|---|---|---|
| 861LP | 0,6x4,5 - 1,2x6,5 - 1,2x8 mm |
| 861PH | PH1-PH2-PH3 |
| 861PZ | PZ1-PZ2-PZ3 |
| 861PE | 2,5-3-4-5-6 mm |
| 861RTX | T10-T15-T20-T25-T27-T30-T40 |
| 900 | 5-5,5-6-7-8-9-10-11-12-13-14 mm |
| 900/20 | 50 mm |
| 900/20L | 100 mmm |
| 900/25 | |
| 900BG/30C | 128 mm |
| 892/0 | |
| 895/1 | |
| 900/55Z | 126 mm |

## 900/C39U

11 gear lock sockets, 21 bits and 7 accessories

**900/C39U** — 1 009001947

| | | |
|---|---|---|
| 861LP | 0,6x4,5 - 1,2x6,5 - 1,2x8 mm |
| 861PH | PH1-PH2-PH3 |
| 861PZ | PZ1-PZ2-PZ3 |
| 861PE | 2,5-3-4-5-6 mm |
| 861RTX | T10-T15-T20-T25-T27-T30-T40 |
| 900U | ◌ 5-5,5-6-7-8-9-10-11-12-13-14 mm<br>“ 3/16-13/64-7/32-1/4-9/32-5/16-11/32-3/8-7/16-15/32-1/2-9/16<br>◌ E6-E7-E8-E10-E12-E14-E16-E18<br>○ M6-M8-M10-M12-M14-M16-M18 |
| 900/20 | 50 mm |
| 900/20L | 100 mmm |
| 900/25 | |
| 900BG/30C | 128 mm |
| 892/0 | |
| 895/1 | |
| 900/55Z | 126 mm |

## 900/C11

11 hexagon sockets, 20 bits and 8 accessories

**900/C11** — 1 009000971

| | | |
|---|---|---|
| 861LP | 0,5x3 - 0,8x5,5 - 1x5,5 - 1,2x6,5 mm |
| 861PE | 3 - 4 - 5 - 6 - 8 mm |
| 861PH | 0 - 1 - 2 - 3 |
| 861TX | T8 - T10 - T15 - T20<br>T25 - T30 - T40 |
| 895/1 | |
| 900 | 5 - 5,5 - 6 - 7 - 8 - 9 - 10<br>11 - 12 - 13 - 14 mm |
| 900/16 | □ 1/4 - ■ 3/8 |
| 900/20 | 50 mm |
| 900/21 | 150 mm |
| 900/25 | |
| 900BG/30 | 176 mm |
| 900/42 | |
| 900/55 | |

270x120x45 mm - 1,2 kg

## 900/C11Z

11 hexagon sockets, 20 bits and 8 accessories

**900/C11Z** — 1 009000984

| | | |
|---|---|---|
| 861LP | 0,5x3 - 0,8x5,5 - 1x5,5 - 1,2x6,5 mm |
| 861PE | 3 - 4 - 5 - 6 - 8 mm |
| 861PH | 0 - 1 - 2 - 3 |
| 861TX | T8 - T10 - T15 - T20<br>T25 - T30 - T40 |
| 895/1 | |
| 900 | 5 - 5,5 - 6 - 7 - 8 - 9 - 10<br>11 - 12 - 13 - 14 mm |
| 900/16 | □ 1/4 - ■ 3/8 |
| 900/20 | 50 mm |
| 900/21 | 150 mm |
| 900/25 | |
| 900BG/30 | 176 mm |
| 900/42 | |
| 900/55Z | |

350x150x50 mm - 1,2 kg

## 900/C12MR

12 hexagon sockets, 20 bits and 7 accessories in foam tray, in metal case

**900/C12MR** — 1 009000962

| | |
|---|---|
| 900 | 4-5-5,5-6-7-8-9-10-11-12-13-14 mm |
| 900/20 | 50 mm |
| 900/21 | 150 mm |
| 900/25 | |
| 900/42 | 115 mm |
| 900BG/30 | 128 mm |
| 900/58 | |
| 895/1 | |
| 861TX | T8-T10-T15-T20-T25-T30-T40 |
| 861PH | PH0-PH1-PH2-PH3 |
| 861LP | 0,5-0,8-1-1,2 mm |
| 861PE | 3-4-5-6-8 mm |

350x150x50 mm 1,3 kg

## 900/C12MZ

12 hexagon sockets,
20 bits and 7 accessories
in foam tray

1/4

1/4"

900/C12MZ — 1 — 009000983

| | | |
|---|---|---|
| | 900 | 4-5-5,5-6-7-8-9-10-11-12-13-14 mm |
| | 900/20 | 50 mm |
| | 900/21 | 150 mm |
| | 900/25 | |
| | 900/42 | 115 mm |
| | 900BG/30 | 176 mm |
| | 900/55Z | |
| | 895/1 | |
| | 861TX | T8-T10-T15-T20-T25-T30-T40 |
| | 861PH | PH0-PH1-PH2-PH3 |
| | 861LP | 0,5x3 - 0,8x5,5 - 1x5,5 - 1,2x6,5 mm |
| | 861PE | 3-4-5-6-8 mm |

350x150x50 mm - 1,2 kg

## 900/C13-5

13 hexagon sockets and 5 accessories

1/4"

900/C13-5 — 1 — 009000953

| | | |
|---|---|---|
| | 900 | 4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9<br>10 - 11 - 12 - 13 - 14 mm |
| | 900/21 | 150 mm |
| | 900/25 | |
| | 900BG/30 | |
| | 900/42 | |
| | 900/55 | |

270x120x45 mm - 1 kg

## 900/C13-8

13 hexagon sockets and 8 accessories

1/4"

900/C13-8 — 1 — 009000954

| | | |
|---|---|---|
| | 900 | 4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9<br>10 - 11 - 12 - 13 - 14 mm |
| | 900/16 | 1/4 - 3/8 |
| | 900/20 | 50 mm |
| | 900/21 | 150 mm |
| | 900/25 | |
| | 900BG/30 | |
| | 900/35A | |
| | 900/42 | |
| | 900/55 | |

270x120x45 mm - 1,1 kg

## 900MB/C19

11 bi-hex sockets and 8 accessories

1/4"

900MB/C19 — 1 — 009000977

| | | |
|---|---|---|
| | 900MB | 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11<br>12 - 13 - 14 mm |
| | 900/16 | 1/4 - 3/8 |
| | 900/20 | 50 mm |
| | 900/21 | 150 mm |
| | 900/25 | |
| | 900BG/30 | |
| | 900/35A | |
| | 900/42 | |
| | 900/55 | |

270x120x45 mm - 1,1 kg

## 900/C24

13 hexagon sockets, 11 socket drivers
and 6 accessories

1/4"

900/C24 — 1 — 009000956

| | | |
|---|---|---|
| | 900 | 4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9<br>10 - 11 - 12 - 13 - 14 mm |
| | 900LP | 0,8x4 - 1,2x6,5 - 1,2x8 mm |
| | 900PH | PH1 - PH2 - PH3 |
| | 900ME | 3 - 4 - 5 - 6 - 8 mm |
| | 900/20 | 50 mm |
| | 900/21 | 150 mm |
| | 900/25 | |
| | 900BG/30 | |
| | 900/42 | |
| | 900/55 | |

270x120x45 mm - 1,1 kg

## 900MB/C28

11 bi-hex sockets, 11 socket drivers
and 6 accessories

1/4"

900MB/C28 — 1 — 009000979

| | | |
|---|---|---|
| | 900MB | 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11<br>12 - 13 - 14 mm |
| | 900LP | 0,8x4 - 1,2x6,5 - 1,2x8 mm |
| | 900PH | PH1 - PH2 - PH3 |
| | 900ME | 3 - 4 - 5 - 6 - 8 mm |
| | 900/20 | 50 mm |
| | 900/21 | 150 mm |
| | 900/25 | |
| | 900BG/30 | |
| | 900/42 | |
| | 900/55 | |

270x120x45 mm - 1,1 kg

## 900MC/C24

11 hexagon sockets,
13 coloured socket drivers and 6 accessories

1/4"

**900/MC/C24** — 1 009002960

| | | |
|---|---|---|
| | 900MC | 4 - 5 - 6 - 7 - 8 - 9<br>10 - 11 - 12 - 13 - 14 mm |
| | 900MC/PH | PH1 - PH2 - PH3 |
| | 900MC/TX | T10 - T15- T20 - T25 - T27 - T30<br>- T40 |
| | 900MC/LP | 0,8x4 - 1,2x6,5 - 1,2x8 mm |
| | 900/20 | 50 mm |
| | 900/21 | 150 mm |
| | 900/25 | |
| | 900BG/30 | |
| | 900/42 | |
| | 900/55 | |

270x120x45 mm - 1 kg

## 900MC/C32

11 coloured sockets, 20 coloured bits and 7 accessories

1/4"

**900MC/C32** — 1 009002963

| | | |
|---|---|---|
| | 900MC | 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13<br>- 14 mm |
| | 860LP | 0,5x3 - 0,8x5,5 -<br>1,0x5,5 - 1,2x6,5 mm |
| | 860PH | 0 - 1 - 2 - 3 |
| | 860PE | 3 - 4 - 5 - 6 - 8 mm |
| | 860TX | T8 - T10 - T15 - T20 -T25 - T30 - T40 |
| | 895/1 | |
| | 900/20 | |
| | 900/21 | |
| | 900/25 | |
| | 900BG/30 | |
| | 900/42 | |
| | 900/55 | |

270x120x45 mm - 1,2 kg

## 900U/C12M

12 gear lock hand sockets,
20 bits and 7 accessories,
in soft foam tray

1/4
1/4"

**900U/C12M** — 1 009001792

| | | |
|---|---|---|
| | 900U | 4-5-5,5-6-7-8-9-10-11-12-13-14 mm<br>" 5/32-3/16-13/64-7/32-1/4-9/32-5/16<br>11/32-3/8-7/16-15/32-1/2-9/16<br>E5-E6-E7-E8-E10-E12-E14-E16-E18<br>M5-M6-M8-M10-M12-M14-M16-M18 |
| | 900/20 | 50 mm |
| | 900/21 | 150 mm |
| | 900/25 | |
| | 900/42 | 115 mm |
| | 900BG/30 | 176 mm |
| | 900/55 | 125 mm |
| | 895/1 | 1/4 - 1/4 |
| | 861LP | 0,5x3 - 0,8x5,5 - 1,0x5,5 - 1,2x6,5 mm |
| | 861PE | 3-4-5-6-8 mm |
| | 861PH | PH0-PH1-PH2-PH3 |
| | 861TX | T8-T10-T15-T20-T25-T30-T40 |

350x150x50 mm - 1,2 kg

## 900AS/C10 - /MB-C17

10 sockets and 7 accessories

1/4"

**900AS/C10** — 1 009000961

| | | |
|---|---|---|
| | 900AS | 3/16 - 7/32 - 1/4 - 9/32 - 5/16<br>11/32 - 3/8 - 7/16 - 1/2 - 9/16 |
| | 900/20 | 50 mm |
| | 900/21 | 150 mm |
| | 900/25 | |
| | 900BG/30 | |
| | 900/35A | |
| | 900/42 | |
| | 900/55 | |

270x120x45 mm - 1,1 kg

**900AS/MB-C17** — 1 009000981

| | | |
|---|---|---|
| | 900AS/MB | 3/16 - 7/32 - 1/4 - 9/32 - 5/16<br>11/32 - 3/8 - 7/16 - 1/2 - 9/16 |
| | 900/20 | 50 mm |
| | 900/21 | 150 mm |
| | 900/25 | |
| | 900BG/30 | |
| | 900/35A | |
| | 900/42 | |
| | 900/55 | |

270x120x45 mm - 1,1 kg

## 900AS/C17-MBM

10 bi-hex sockets
and 7 accessories
**for aeronautical maintenance**

1/4"

**900AS/C17-MBM** — 1 009000982

| | | |
|---|---|---|
| | 900AS/MB | 3/16 - 7/32 - 1/4 - 9/32 - 5/16<br>11/32 - 3/8 - 7/16 - 1/2 - 9/16 |
| | 900/20 | 50 mm |
| | 900/21 | 150 mm |
| | 900/25 | |
| | 900BG/30 | |
| | 900M/35 | |
| | 900/42 | |
| | 900M/55 | |

270x120x45 mm - 1,2 kg

## 900/C11HR

11 hexagon sockets,
20 bits and 7 accessories
in hard foam tray,
in metal case

• ratchet with rotating handle

**900/C11HR** — 1 — 009000980

| | | |
|---|---|---|
| | 861LP | 0,5x3-0,8x5,5-1x5,5-1,2x6,5 mm |
| | 861PH | PH0-PH1-PH2-PH3 |
| | 861PE | 3-4-5-6-8 mm |
| | 861TX | T8-T10-T15-T20-T25-T30-T40 |
| | 895/1 | |
| | 900 | 5-5,5-6-7-8-9-10-11-12-13-14 mm |
| | 900/16 | □ 1/4 - ■ 3/8 |
| | 900/20 | 50 mm |
| | 900/21 | 150 mm |
| | 900/25 | |
| | 900/42 | |
| | 900BG/30 | |
| | 900/58 | |

350x150x50 mm - 1,3 kg

## 902R/C6

6 adaptors for socket drivers

**902R/C6** — 1 — 009020814

| | | |
|---|---|---|
| | 900/16 | □ 1/4 - ■ 3/8 |
| | 910/15 | □ 3/8 - ■ 1/4 |
| | 910/16 | □ 3/8 - ■ 1/2 |
| | 920/15 | □ 1/2 - ■ 3/8 |
| | 920/16 | □ 1/2 - ■ 3/4 |
| | 928/15 | □ 3/4 - ■ 1/2 |

170x100x35 mm - 600 g

## 902A/C22

22 hexagon sockets and 6 accessories
in metal case

**902A/C22** — 1 — 009020807

| | | |
|---|---|---|
| | 900 | 5-5,5-6-7-8-9-10-11-12-13 mm |
| | 900/20 | 50 mm |
| | 900/25 | |
| 1/4" | 900/55 | |
| | 920A | 10-13-14-15-17-18-19-22-24-27-30-32 mm |
| | 920/21 | 125 mm |
| | 920/25 | |
| 1/2" | 920/55 | |

420x185x60 mm - 3,5 kg

## 910A

hexagon hand sockets

UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 6 | 9,5 | 28 | 16,7 | 5 | 009100006 |
| 7 | 10,7 | 28 | 16,7 | 5 | 009100007 |
| 8 | 12,1 | 28 | 16,7 | 5 | 009100008 |
| 9 | 13,2 | 28 | 16,7 | 5 | 009100009 |
| 10 | 14,6 | 29 | 16,7 | 5 | 009100010 |
| 11 | 15,8 | 29 | 16,7 | 5 | 009100011 |
| 12 | 17,2 | 30 | 17,7 | 5 | 009100012 |
| 13 | 18,4 | 31 | 17,0 | 5 | 009100013 |
| 14 | 19,7 | 32 | 17,5 | 5 | 009100014 |
| 15 | 20,9 | 32 | 18,0 | 5 | 009100015 |
| 16 | 22,2 | 33 | 18,5 | 5 | 009100016 |
| 17 | 23,2 | 33 | 19,0 | 5 | 009100017 |
| 18 | 24,7 | 34 | 20,0 | 5 | 009100018 |
| 19 | 25,8 | 35 | 21,0 | 5 | 009100019 |
| 20 | 27,2 | 35 | 22,0 | 5 | 009100020 |
| 21 | 28,2 | 36 | 23,0 | 5 | 009100021 |
| 22 | 29,7 | 37 | 24,0 | 5 | 009100022 |

**910A/SB17** — 1 — 009100030
6-7-8-9-10-11-12
13-14-15-16-17
18-19-20-21-22 mm

## 910B

bi-hex hand sockets

UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 6 | 9,5 | 28 | 16,7 | 5 | 009100106 |
| 7 | 10,7 | 28 | 16,7 | 5 | 009100107 |
| 8 | 12,1 | 28 | 16,7 | 5 | 009100108 |
| 9 | 13,2 | 28 | 16,7 | 5 | 009100109 |
| 10 | 14,6 | 29 | 16,7 | 5 | 009100110 |
| 11 | 15,8 | 29 | 16,7 | 5 | 009100111 |
| 12 | 17,2 | 30 | 17,7 | 5 | 009100112 |
| 13 | 18,4 | 31 | 17,0 | 5 | 009100113 |
| 14 | 19,7 | 32 | 17,5 | 5 | 009100114 |
| 15 | 20,9 | 32 | 18,0 | 5 | 009100115 |
| 16 | 22,2 | 33 | 18,5 | 5 | 009100116 |
| 17 | 23,2 | 33 | 19,0 | 5 | 009100117 |
| 18 | 24,7 | 34 | 20,0 | 5 | 009100118 |
| 19 | 25,8 | 35 | 21,0 | 5 | 009100119 |
| 20 | 27,2 | 35 | 22,0 | 5 | 009100120 |
| 21 | 28,2 | 36 | 23,0 | 5 | 009100121 |
| 22 | 29,7 | 37 | 24,0 | 5 | 009100122 |

**910B/SB17** — 1 — 009100130
6-7-8-9-10-11-12
13-14-15-16-17
18-19-20-21-22 mm

## 910AL

hexagon hand sockets,
long series

UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 8 | 12,0 | 55 | 17 | 3 | 009100158 |
| 9 | 13,0 | 55 | 17 | 3 | 009100159 |
| 10 | 14,5 | 55 | 17 | 3 | 009100160 |
| 11 | 16,0 | 55 | 17 | 3 | 009100161 |
| 12 | 17,0 | 55 | 17 | 3 | 009100162 |
| 13 | 18,0 | 55 | 17 | 3 | 009100163 |
| 14 | 20,0 | 55 | 18 | 3 | 009100164 |
| 15 | 21,0 | 55 | 20 | 3 | 009100165 |
| 16 | 22,0 | 55 | 20 | 3 | 009100166 |
| 17 | 23,5 | 55 | 22 | 3 | 009100167 |
| 18 | 24,5 | 55 | 23 | 2 | 009100168 |
| 19 | 25,0 | 55 | 24 | 2 | 009100169 |
| 21 | 27,0 | 65 | 26 | 2 | 009100171 |
| 22 | 29,0 | 65 | 28 | 2 | 009100172 |

**910AL/SB14** — 1 — 009100174
8-9-10-11-12-13-14
15-16-17-18-19-21-22 mm

## 910BL
bi-hex hand sockets, long series

UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **8** | 12,0 | 55 | 17 | 3 | 009100308 |
| **9** | 13,0 | 55 | 17 | 3 | 009100309 |
| **10** | 14,5 | 55 | 17 | 3 | 009100310 |
| **11** | 16,0 | 55 | 17 | 3 | 009100311 |
| **12** | 17,0 | 55 | 17 | 3 | 009100312 |
| **13** | 18,0 | 55 | 17 | 3 | 009100313 |
| **14** | 20,0 | 55 | 18 | 3 | 009100314 |
| **15** | 21,0 | 55 | 20 | 3 | 009100315 |
| **16** | 22,0 | 55 | 20 | 3 | 009100316 |
| **17** | 23,5 | 55 | 22 | 3 | 009100317 |
| **18** | 24,5 | 55 | 23 | 2 | 009100318 |
| **19** | 25,0 | 55 | 24 | 2 | 009100319 |
| **21** | 27,0 | 65 | 26 | 2 | 009100321 |
| **22** | 29,0 | 65 | 28 | 2 | 009100322 |

**910BL/SB14** — 1 009100340
8-9-10-11-12-13
14-15-16-17-18
19-21-22 mm

## 910B/SN
swivel end bi-hex hand sockets

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **10** | 14,5 | 48,5 | 19 | 2 | 009100230 |
| **11** | 15,8 | 49,5 | 19 | 2 | 009100231 |
| **12** | 17,0 | 50,0 | 19 | 2 | 009100232 |
| **13** | 18,3 | 51,0 | 19 | 2 | 009100233 |
| **14** | 19,5 | 51,0 | 19 | 2 | 009100234 |
| **15** | 20,8 | 53,5 | 19 | 2 | 009100235 |
| **16** | 22,0 | 53,5 | 19 | 2 | 009100236 |
| **17** | 23,3 | 54,5 | 19 | 2 | 009100237 |
| **18** | 24,5 | 54,5 | 19 | 2 | 009100238 |
| **19** | 25,8 | 56,5 | 19 | 2 | 009100239 |

## 910A/AS
hexagon hand sockets

| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **1/4** | 10,3 | 26 | 17,3 | 5 | 009100276 |
| **5/16** | 11,9 | 26 | 17,3 | 5 | 009100278 |
| **11/32** | 13,3 | 26 | 17,3 | 5 | 009100279 |
| **3/8** | 13,9 | 26 | 17,3 | 5 | 009100280 |
| **7/16** | 15,8 | 26 | 17,3 | 5 | 009100281 |
| **1/2** | 17,9 | 26 | 17,3 | 5 | 009100283 |
| **9/16** | 19,5 | 27 | 18,5 | 5 | 009100284 |
| **19/32** | 20,6 | 27 | 19,5 | 5 | 009100285 |
| **5/8** | 21,9 | 28 | 20,0 | 5 | 009100286 |
| **11/16** | 24,6 | 30 | 22,5 | 5 | 009100287 |
| **3/4** | 25,9 | 30 | 23,5 | 5 | 009100289 |
| **13/16** | 27,9 | 32 | 26,0 | 5 | 009100291 |
| **7/8** | 29,6 | 32 | 26,5 | 5 | 009100292 |

**910A-AS/SB13** — 1 009100295
1/4-5/16-11/32-3/8-7/16
1/2-9/16-19/32-5/8-11/16
3/4-13/16-7/8

## 910AS
bi-hex hand sockets

| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **1/4** | 9,5 | 28 | 16,7 | 5 | 009100201 |
| **5/16** | 12,1 | 28 | 16,7 | 5 | 009100202 |
| **11/32** | 13,2 | 28 | 16,7 | 5 | 009100203 |
| **3/8** | 14,6 | 29 | 16,7 | 5 | 009100204 |
| **7/16** | 15,8 | 29 | 16,7 | 5 | 009100205 |
| **1/2** | 18,4 | 31 | 17,0 | 5 | 009100206 |
| **9/16** | 19,7 | 32 | 17,5 | 5 | 009100207 |
| **19/32** | 20,9 | 32 | 18,0 | 5 | 009100208 |
| **5/8** | 22,2 | 33 | 18,5 | 5 | 009100209 |
| **11/16** | 24,7 | 34 | 20,0 | 5 | 009100210 |
| **3/4** | 25,8 | 35 | 21,0 | 5 | 009100211 |
| **13/16** | 28,2 | 36 | 23,0 | 5 | 009100212 |
| **7/8** | 29,7 | 37 | 24,0 | 5 | 009100213 |

**910AS/SB13** — 1 009100215
1/4-5/16-11/32-3/8-7/16
1/2-9/16-19/32-5/8-11/16
3/4-13/16-7/8

## 910AS/L
bi-hex hand sockets, long series

| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **1/4** | 10 | 55 | 17 | 3 | 009100350 |
| **5/16** | 12 | 55 | 17 | 3 | 009100351 |
| **3/8** | 14 | 55 | 17 | 3 | 009100352 |
| **7/16** | 16 | 55 | 17 | 3 | 009100353 |
| **1/2** | 18 | 55 | 17 | 3 | 009100354 |
| **9/16** | 20 | 55 | 18 | 3 | 009100355 |
| **19/32** | 21 | 55 | 20 | 3 | 009100356 |
| **5/8** | 22 | 55 | 20 | 3 | 009100357 |
| **11/16** | 23 | 55 | 22 | 3 | 009100359 |
| **3/4** | 25 | 55 | 24 | 3 | 009100360 |
| **13/16** | 27 | 65 | 26 | 3 | 009100362 |
| **7/8** | 29 | 65 | 28 | 3 | 009100363 |

**910ASL/SB12** — 1 009100365
1/4-5/16-3/8-7/16
1/2-9/16-19/32-5/8-11/16
3/4-13/16-7/8

## 910AS/SN
swivel end bi-hex hand sockets

* SAE AS 954E

| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| * **3/8** | 14,0 | 48,0 | 19 | 2 | 009100260 |
| * **7/16** | 15,8 | 51,0 | 19 | 2 | 009100261 |
| * **1/2** | 18,3 | 51,0 | 19 | 2 | 009100262 |
| * **9/16** | 19,5 | 51,0 | 19 | 2 | 009100263 |
| * **5/8** | 22,0 | 53,5 | 19 | 2 | 009100264 |
| **11/16** | 24,5 | 54,5 | 19 | 2 | 009100265 |
| **3/4** | 25,8 | 56,5 | 19 | 2 | 009100266 |

## 910FTX
hand sockets for Torx® head screws

| | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **E4** | 6,2 | 26 | 17,3 | 5 | 009100404 |
| **E5** | 7,0 | 26 | 17,3 | 5 | 009100405 |
| **E6** | 8,3 | 26 | 17,3 | 5 | 009100406 |
| **E7** | 8,9 | 26 | 17,3 | 5 | 009100407 |
| **E8** | 9,9 | 26 | 17,3 | 5 | 009100408 |
| **E10** | 12,0 | 26 | 17,3 | 5 | 009100410 |
| **E11** | 13,3 | 26 | 17,3 | 5 | 009100411 |
| **E12** | 14,5 | 26 | 17,3 | 5 | 009100412 |
| **E14** | 15,8 | 26 | 17,3 | 5 | 009100414 |
| **E16** | 18,0 | 26 | 17,3 | 5 | 009100416 |
| **E18** | 19,5 | 26 | 18,5 | 3 | 009100418 |
| **E20** | 21,9 | 26 | 20,0 | 3 | 009100420 |

**910FTX/SB9** — 1 009100430
E4-E5-E6-E7-E8
E10-E12-14-E16

## 910FTX/L

hand sockets for Torx® head screws, long series

| | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **E4** | 6,2 | 55 | 17,3 | 3 | 009100440 |
| **E5** | 7,0 | 55 | 17,3 | 3 | 009100441 |
| **E6** | 8,3 | 55 | 17,3 | 3 | 009100442 |
| **E7** | 8,9 | 55 | 17,3 | 3 | 009100443 |
| **E8** | 9,9 | 55 | 17,3 | 3 | 009100444 |
| **E10** | 12,0 | 55 | 17,3 | 3 | 009100445 |

**910FTX-L/SB6** — 1 009100449
E4-E5-E6
E7-E8-E10

## 910FTX/XL

hexagon hand sockets for Torx® head screws, extra-long series

| | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **E6** | 8,0 | 200 | 18 | 2 | 009100766 |
| **E7** | 8,0 | 200 | 18 | 2 | 009100767 |
| **E8** | 10,0 | 200 | 18 | 2 | 009100768 |
| **E10** | 14,0 | 200 | 18 | 2 | 009100770 |
| **E11** | 14,0 | 200 | 18 | 2 | 009100771 |
| **E12** | 14,0 | 200 | 18 | 2 | 009100772 |
| **E14** | 17,0 | 200 | 18 | 2 | 009100774 |
| **E16** | 18,6 | 200 | 18 | 2 | 009100776 |
| **E18** | 21,5 | 200 | 18 | 2 | 009100778 |
| **E20** | 21,5 | 200 | 18 | 2 | 009100780 |

## 910FTX-XL/C10

set of 10 hand sockets for Torx® head screws, long series, in plastic case

**910FTX-XL/C10** — 1 009100976
E6-E7-E8-E10-E11-
E12-E14-E16-E18-E20

255x195x62 mm - 2,3 kg

## 910LP

socket drivers for slotted head screws

| SxA mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **1x5,5** | 18,5 | 54 | 24 | 2 | 009100452 |
| **1,2x6,5** | 18,5 | 54 | 24 | 2 | 009100453 |
| **1,2x8** | 18,5 | 54 | 24 | 2 | 009100454 |
| **1,6x9** | 18,5 | 54 | 24 | 2 | 009100456 |

## 910PH

socket drivers for cross head Phillips® screws

| PH | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **1** | 18,5 | 48 | 18 | 2 | 009100471 |
| **2** | 18,5 | 48 | 18 | 2 | 009100472 |
| **3** | 18,5 | 48 | 18 | 2 | 009100473 |
| **4** | 18,5 | 48 | 18 | 2 | 009100474 |

**910PH/SB4** — 1 009100478
PH1-PH2-PH3-PH4

## 910PE

socket drivers for hexagon screws

DIN 7422

| mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **3** | 18,5 | 50 | 20 | 5 | 009100490 |
| **4** | 18,5 | 50 | 20 | 5 | 009100492 |
| **5** | 18,5 | 50 | 20 | 5 | 009100494 |
| **6** | 18,5 | 50 | 20 | 5 | 009100496 |
| **7** | 18,5 | 50 | 20 | 5 | 009100497 |
| **8** | 18,5 | 50 | 20 | 5 | 009100498 |
| **9** | 18,5 | 50 | 20 | 5 | 009100499 |
| **10** | 18,5 | 50 | 20 | 5 | 009100500 |

**910PE/SB7** — 1 009100503
3-4-5-6-7-8-10 mm

## 910BP

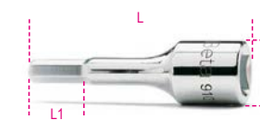
ball head socket drivers for hexagon screws

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **4L** | 92 | 62 | 3 | 009100584 |
| **5L** | 92 | 62 | 3 | 009100585 |
| **6L** | 92 | 62 | 3 | 009100586 |
| **7L** | 92 | 62 | 3 | 009100587 |
| **8L** | 92 | 62 | 3 | 009100588 |
| **10L** | 132 | 102 | 3 | 009100590 |

**910BP/SB6L** — 1 009100596
4L-5L-6L-7L-8L-10L mm

## 910ME

socket drivers for hexagon screws




| mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **4** | 18 | 62 | 15 | 5 | 009100504 |
| **5** | 18 | 62 | 15 | 5 | 009100505 |
| **6** | 18 | 62 | 15 | 5 | 009100506 |
| **7** | 18 | 62 | 15 | 5 | 009100507 |
| **8** | 19 | 62 | 15 | 5 | 009100508 |
| **10** | 20 | 62 | 15 | 5 | 009100510 |
| **12** | 20 | 62 | 15 | 5 | 009100512 |

**910ME/SB5** — 1 009100515
4-5-6-8-10 mm

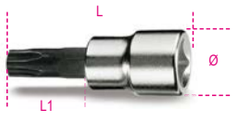
## 910PE/AS

socket drivers for hexagon screws

| " | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **1/8** | 18,5 | 50 | 20 | 2 | 009100531 |
| **5/32** | 18,5 | 50 | 20 | 2 | 009100532 |
| **3/16** | 18,5 | 50 | 20 | 2 | 009100533 |
| **7/32** | 18,5 | 50 | 20 | 2 | 009100534 |
| **1/4** | 18,5 | 50 | 20 | 2 | 009100535 |
| **5/16** | 18,5 | 50 | 20 | 2 | 009100536 |
| **3/8** | 18,5 | 50 | 20 | 2 | 009100537 |

## 910PT
socket drivers for 5-star head screws

3/8”




| | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| PT40 | 20 | 50 | 20 | 3 | 009100540 |
| PT45 | 20 | 50 | 20 | 3 | 009100545 |
| PT50 | 20 | 50 | 20 | 3 | 009100550 |

1/4” 3/8”

**910PT/SB8** 1 009100558
PT10-PT15-PT20-PT25
PT30-PT40-PT45-PT50

## 910TX
socket drivers for Torx® head screws

3/8”

| | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| T15 | 18,5 | 50 | 20 | 5 | 009100519 |
| T20 | 18,5 | 50 | 20 | 5 | 009100520 |
| T25 | 18,5 | 50 | 20 | 5 | 009100521 |
| T27 | 18,5 | 50 | 20 | 5 | 009100522 |
| T30 | 18,5 | 50 | 20 | 5 | 009100523 |
| T40 | 18,5 | 50 | 20 | 5 | 009100524 |
| T45 | 18,5 | 50 | 20 | 3 | 009100525 |
| T50 | 18,5 | 50 | 20 | 3 | 009100526 |

3/8”

**910TX/SB6** 1 009100530
T15-T20-T25
T27-T30-T40

## 910XZN
socket drivers
with XZN® profile

3/8”

| | L mm | | |
|---|---|---|---|
| M4 | 50 | 3 | 009100559 |
| M5 | 50 | 3 | 009100560 |
| M6 | 50 | 3 | 009100561 |
| M8 | 50 | 3 | 009100563 |
| M10 | 50 | 3 | 009100565 |

## 910CF
3/8” square drive crowfoot wrenches

3/8”

| mm | A mm | L mm | | |
|---|---|---|---|---|
| 10 | 21,3 | 32,3 | 2 | 009100135 |
| 11 | 23,1 | 34,3 | 2 | 009100136 |
| 12 | 25,5 | 36,2 | 2 | 009100137 |
| 13 | 26,9 | 37,4 | 2 | 009100138 |
| 14 | 30,2 | 40,0 | 2 | 009100139 |
| 15 | 33,3 | 41,3 | 2 | 009100140 |
| 16 | 33,3 | 41,3 | 2 | 009100141 |
| 17 | 38,1 | 46,5 | 2 | 009100142 |
| 18 | 38,1 | 46,5 | 2 | 009100143 |
| 19 | 39,6 | 48,0 | 2 | 009100144 |

3/8”

**910CF/SB10** 1 009100147
10-11-12-13-14-15
16-17-18-19 mm

## 910/15
adaptor, 3/8” female
and 1/4” male drivers

3/8”

UNI/ISO 3316 DIN 3123

| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| 30 | 17,0 | 3/8 | 1/4 | 5 | 009100810 |

**Always apply torque loads evenly and progressively to avoid breakage and any possible injury.**

## 910/16
adaptor, 3/8” female
and 1/2” male drives

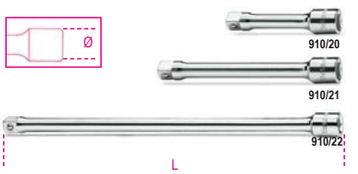
3/8”

UNI/ISO 3316 DIN 3123

| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| 32 | 18,0 | 3/8 | 1/2 | 5 | 009100814 |

## 910/20 - 910/21 - 910/22
3/8” drive extension bars

3/8”

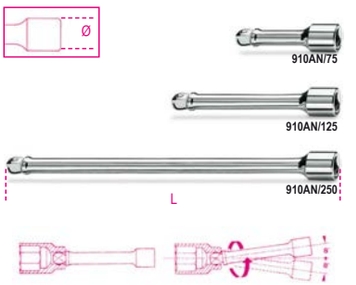



UNI/ISO 3316 DIN 3123

| | L mm | Ø mm | | |
|---|---|---|---|---|
| 910/20 | 75 | 17 | 5 | 009100820 |
| 910/21 | 125 | 17 | 5 | 009100822 |
| 910/22 | 250 | 17 | 5 | 009100826 |

## 910AN
3/8” wobble extension bars

3/8”




| | L mm | Ø mm | | |
|---|---|---|---|---|
| 910AN/75 | 75 | 17 | 3 | 009100827 |
| 910AN/125 | 125 | 17 | 3 | 009100828 |
| 910AN/250 | 250 | 17 | 3 | 009100829 |

## 910/25
3/8” drive universal joint

3/8”

UNI/ISO 3316 DIN 3123

| L mm | Ø mm | | |
|---|---|---|---|
| 54,6 | 19 | 5 | 009100830 |

## 910M/35
3/8” swivel drive with metal handle

3/8”

UNI/ISO 3315 DIN 3122

| L mm | | |
|---|---|---|
| 250 | 3 | 009100839 |

## 910/36A
3/8” drive swivel handle

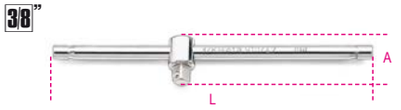
UNI/ISO 3315 DIN 3122

| L mm | L1 mm | | |
|---|---|---|---|
| 255 | 154 | 3 | 009100845 |

## 910/40
3/8” drive swivel T-handle

| L mm | L1 mm | | |
|---|---|---|---|
| 420 | 175 | 3 | 009100850 |

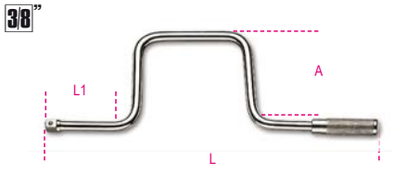
## 910/42
3/8” drive sliding T-handle




UNI/ISO 3315 DIN 3122

| L mm | A mm | | |
|---|---|---|---|
| 210 | 30,5 | 5 | 009100854 |

## 910/46
3/8” square drive with speed brace




UNI/ISO 3315 DIN 3122

| L mm | L1 mm | A mm | | |
|---|---|---|---|---|
| 315 | 80 | 115 | 1 | 009100862 |

## 910/55
3/8” drive reversible ratchet 72 teeth

UNI/ISO 3315 DIN 3122

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 200 | 30 | 33 | 3 | 009100882 |

## 910/55Q
3/8” drive reversible ratchet 48 teeth

UNI/ISO 3315 DIN 3122

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 200 | 30 | 33 | 3 | 009100885 |

**Spare parts**
**rotating mechanism of ratchets,**
**see table after item 929/C8**

## 910M/55
3/8” drive reversible ratchet
with metal handle

DIN 3122 - UNI ISO 3315

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 178 | 30 | 26 | 2 | 009100875 |

## 910M/56
3/8” drive reversible swivel ratchet
with metal handle

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 265 | 31 | 29 | 2 | 009100887 |

## 910/58
3/8" drive reversible ratchet
with rotating handle,
52 tooth mechanism

- **Socket release button**
- **Ring nut reversal system on ratchet head**
- **Bi-material handle**

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 222 | 37 | 38,5 | 1 | 009100884 |

## 910.../C10
10 sockets and 2 accessories

**910A/C10** 1 009100909

| | | |
|---|---|---|
| 910A | 6 - 7 - 8 - 10 - 11 - 12<br>13 - 14 - 17 - 19 mm |
| 910/21 | 125 mm |
| 910/55 | |

270x120x45 mm - 1,3 kg

**910B/C10** 1 009100910

| | | |
|---|---|---|
| 910B | 6 - 7 - 8 - 10 - 11 - 12<br>13 - 14 - 17 - 19 mm |
| 910/21 | 125 mm |
| 910/55 | |

270x120x45 mm - 1,3 kg

## 910A/C16...
16 hexagon sockets and 5 accessories

**910A/C16** 1 009100936

| | | |
|---|---|---|
| 910A | 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13<br>14 - 15 - 16 - 17 - 18 - 19<br>21 - 22 mm |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/42 | |
| 910/55 | |

335x145x60 mm - 2,3 kg

**910A/C16Q** 1 009100932

| | | |
|---|---|---|
| 910A | 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13<br>14 - 15 - 16 - 17 - 18 - 19<br>21 - 22 mm |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/42 | |
| 910/55Q | |

335x145x60 mm - 2,3 kg

## 910B/C16...

16 bi-hex sockets and 5 accessories

3/8"

**910B/C16** — 1 — 009100937

| | | |
|---|---|---|
| 910B | 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13<br>14 - 15 - 16 - 17 - 18 - 19<br>21 - 22 mm |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/42 | |
| 910/55 | |

335x145x60 mm - 2,3 kg

**910B/C16Q** — 1 — 009100933

| | |
|---|---|
| 910B | 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13<br>14 - 15 - 16 - 17 - 18 - 19<br>21 - 22 mm |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/42 | |
| 910/55Q | |

335x145x60 mm - 2,3 kg

## 910A/C17

17 hexagon sockets and 9 accessories

3/8"

**910A/C17** — 1 — 009100938

| | |
|---|---|
| 910A | 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13<br>14 - 15 - 16 - 17 - 18 - 19 - 20<br>21 - 22 mm |
| 910/15 | 3/8 - 1/4 |
| 910/16 | 3/8 - 1/2 |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/36A | |
| 910/42 | |
| 910/46 | |
| 910/55 | |

420x280x60 mm - 4,0 kg

## 910.../C29

17 sockets, 12 socket drivers and 5 accessories

3/8"

**910A/C29** — 1 — 009100944

| | |
|---|---|
| 910A | 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13<br>14 - 15 - 16 - 17 - 18 - 19 - 20<br>21 - 22 mm |
| 910LP | 1x5,5 - 1,2x6,5 - 1,2x8 mm |
| 910PH | PH1 - PH2 - PH3 |
| 910PE | 3 - 4 - 5 - 6 - 8 - 10 mm |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/42 | |
| 910/55 | |

420x185x60 mm - 3,5 kg

**910B/C29** — 1 — 009100945

| | |
|---|---|
| 910B | 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13<br>14 - 15 - 16 - 17 - 18 - 19 - 20<br>21 - 22 mm |
| 910LP | 1x5,5 - 1,2x6,5 - 1,2x8 mm |
| 910PH | PH1 - PH2 - PH3 |
| 910PE | 3 - 4 - 5 - 6 - 8 - 10 mm |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/42 | |
| 910/55 | |

420x185x60 mm - 3,5 kg

## 910AS/C13...

13 bi-hex sockets and 5 accessories

3/8"

**910AS/C13** — 1 — 009100925

| | |
|---|---|
| 910AS | 1/4 - 5/16 - 11/32 - 3/8 - 7/16<br>1/2 - 9/16 - 19/32 - 5/8 - 11/16<br>3/4 - 13/16 - 7/8 |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/42 | |
| 910/25 | |
| 910/55 | |

335x145x60 mm - 2,3 kg

## 910AS/MBM-C18

13 bi-hex sockets and 5 accessories **for aeronautical maintenance**

3/8"

**910AS/MBM-C18** — 1 — 009100926

| | |
|---|---|
| 910AS | 1/4 - 5/16 - 11/32 - 3/8 - 7/16<br>1/2 - 9/16 - 19/32 - 5/8 - 11/16<br>3/4 - 13/16 - 7/8 |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/42 | |
| 910M/55 | |

335x145x60 mm - 2,5 kg

## 910A/C16HR

16 hexagon sockets and 5 accessories

3/8"

**910A/C16HR** — 1 — 009100935

| | |
|---|---|
| 910A | 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13<br>14 - 15 - 16 - 17 - 18 - 19<br>21 - 22 mm |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/42 | 210 mm |
| 910/58 | |

335x145x60 mm - 2,4 kg

## 920A
hexagon hand sockets

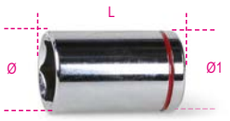
UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 8 | 12,4 | 38 | 21,7 | 10 | 009200008 |
| 9 | 13,5 | 38 | 21,7 | 10 | 009200009 |
| 10 | 14,9 | 38 | 21,7 | 10 | 009200010 |
| 11 | 16,1 | 38 | 21,7 | 10 | 009200011 |
| 12 | 17,5 | 38 | 21,7 | 10 | 009200012 |
| 13 | 18,7 | 38 | 21,7 | 10 | 009200013 |
| 14 | 20,1 | 38 | 21,7 | 10 | 009200014 |
| 15 | 21,5 | 38 | 22,5 | 10 | 009200015 |
| 16 | 22,7 | 38 | 23,7 | 10 | 009200016 |
| 17 | 24,1 | 38 | 23,1 | 10 | 009200017 |
| 18 | 25,3 | 39 | 24,0 | 10 | 009200018 |
| 19 | 26,6 | 39 | 24,0 | 10 | 009200019 |
| 20 | 27,8 | 40 | 25,0 | 5 | 009200020 |
| 21 | 28,8 | 40 | 25,0 | 5 | 009200021 |
| 22 | 29,9 | 41 | 26,0 | 5 | 009200022 |
| 23 | 30,8 | 42 | 26,0 | 5 | 009200023 |
| 24 | 32,2 | 43 | 27,0 | 5 | 009200024 |
| 25 | 33,2 | 44 | 27,0 | 5 | 009200025 |
| 26 | 34,7 | 45 | 28,0 | 5 | 009200026 |
| 27 | 36,2 | 46 | 29,0 | 5 | 009200027 |
| 28 | 37,2 | 47 | 30,0 | 5 | 009200028 |
| 29 | 38,6 | 48 | 31,0 | 5 | 009200029 |
| 30 | 40,2 | 48 | 32,0 | 5 | 009200030 |
| 32 | 42,3 | 49 | 34,0 | 5 | 009200032 |

**920A/SB13** — 1 009200040
10-11-12-13-14-15-16
17-18-19-20-21-22 mm

**920A/SB8** — 1 009200042
23-24-25-26-27-28-30-32 mm

## 920MC
hexagon hand sockets, coloured




| mm | Ø mm | L mm | Ø1 mm | | | |
|---|---|---|---|---|---|---|
| 8 | 13,2 | 38 | 22 | | 5 | 009202008 |
| 10 | 15,3 | 38 | 22 | | 5 | 009202010 |
| 11 | 16,5 | 38 | 22 | | 5 | 009202011 |
| 12 | 17,8 | 38 | 22 | | 5 | 009202012 |
| 13 | 19,0 | 38 | 22 | | 5 | 009202013 |
| 14 | 20,3 | 38 | 22 | | 5 | 009202014 |
| 15 | 21,6 | 38 | 22 | | 5 | 009202015 |
| 16 | 23,0 | 38 | 23 | | 5 | 009202016 |
| 17 | 23,9 | 38 | 24 | | 5 | 009202017 |
| 18 | 25,0 | 38 | 25 | | 5 | 009202018 |
| 19 | 26,5 | 38 | 24 | | 5 | 009202019 |
| 21 | 28,8 | 38 | 27 | | 3 | 009202021 |
| 22 | 29,9 | 40 | 28 | | 3 | 009202022 |
| 24 | 32,8 | 40 | 30 | | 3 | 009202024 |

## 920B
bi-hex hand sockets

UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 8 | 12,4 | 38 | 21,7 | 10 | 009200108 |
| 9 | 13,5 | 38 | 21,7 | 10 | 009200109 |
| 10 | 14,9 | 38 | 21,7 | 10 | 009200110 |
| 11 | 16,1 | 38 | 21,7 | 10 | 009200111 |
| 12 | 17,5 | 38 | 21,7 | 10 | 009200112 |
| 13 | 18,7 | 38 | 21,7 | 10 | 009200113 |
| 14 | 20,1 | 38 | 21,7 | 10 | 009200114 |
| 15 | 21,5 | 38 | 22,5 | 10 | 009200115 |
| 16 | 22,7 | 38 | 23,7 | 10 | 009200116 |
| 17 | 24,1 | 38 | 23,1 | 10 | 009200117 |
| 18 | 25,3 | 39 | 24,0 | 10 | 009200118 |
| 19 | 26,6 | 39 | 24,0 | 10 | 009200119 |
| 20 | 27,8 | 40 | 25,0 | 5 | 009200120 |
| 21 | 28,8 | 40 | 25,0 | 5 | 009200121 |
| 22 | 29,9 | 41 | 26,0 | 5 | 009200122 |
| 23 | 30,8 | 42 | 26,0 | 5 | 009200123 |
| 24 | 32,2 | 43 | 27,0 | 5 | 009200124 |
| 25 | 33,2 | 44 | 27,0 | 5 | 009200125 |
| 26 | 34,7 | 45 | 28,0 | 5 | 009200126 |
| 27 | 36,2 | 46 | 29,0 | 5 | 009200127 |
| 28 | 37,2 | 47 | 30,0 | 5 | 009200128 |
| 29 | 38,6 | 48 | 31,0 | 5 | 009200129 |
| 30 | 40,2 | 48 | 32,0 | 5 | 009200130 |
| 32 | 42,3 | 49 | 33,9 | 5 | 009200132 |

**920B/SB13** — 1 009200140
10-11-12-13-14-15-16
17-18-19-20-21-22 mm

**920B/SB8** — 1 009200142
23-24-25-26-27
28-30-32 mm

## 920AL
hexagon hand sockets, long series

UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 10 | 14,7 | 77 | 21 | 5 | 009200626 |
| 12 | 17,8 | 77 | 21 | 5 | 009200627 |
| 13 | 19,0 | 77 | 22 | 5 | 009200628 |
| 14 | 20,3 | 77 | 22 | 5 | 009200629 |
| 15 | 21,5 | 77 | 22 | 5 | 009200630 |
| 16 | 22,8 | 77 | 22 | 5 | 009200631 |
| 17 | 24,0 | 77 | 23 | 5 | 009200632 |
| 18 | 25,0 | 77 | 24 | 5 | 009200633 |
| 19 | 26,5 | 77 | 25 | 5 | 009200634 |
| 21 | 29,0 | 77 | 27 | 5 | 009200635 |
| 22 | 30,0 | 77 | 28 | 5 | 009200636 |
| 23 | 31,5 | 77 | 29 | 5 | 009200637 |
| 24 | 32,8 | 77 | 30 | 5 | 009200638 |
| 27 | 36,5 | 77 | 33 | 3 | 009200639 |
| 30 | 40,0 | 77 | 36 | 3 | 009200640 |
| 32 | 42,8 | 77 | 38 | 3 | 009200641 |
| 36 | 48,0 | 77 | 41 | 3 | 009200642 |

**920AL/SB11** — 1 009200644
10-12-13-14-15-16
17-18-19-21-22 mm

## 920BL
bi-hex hand sockets, long series

UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 10 | 14,7 | 77 | 21 | 5 | 009200310 |
| 12 | 17,8 | 77 | 21 | 5 | 009200312 |
| 13 | 19,0 | 77 | 22 | 5 | 009200313 |
| 14 | 20,3 | 77 | 22 | 5 | 009200314 |
| 15 | 21,5 | 77 | 22 | 5 | 009200315 |
| 16 | 22,8 | 77 | 22 | 5 | 009200316 |
| 17 | 24,0 | 77 | 23 | 5 | 009200317 |
| 18 | 25,0 | 77 | 24 | 5 | 009200318 |
| 19 | 26,5 | 77 | 25 | 5 | 009200319 |
| 21 | 29,0 | 77 | 27 | 5 | 009200321 |
| 22 | 30,0 | 77 | 28 | 5 | 009200322 |
| 23 | 31,5 | 77 | 29 | 5 | 009200323 |
| 24 | 32,8 | 77 | 30 | 5 | 009200324 |
| 27 | 36,5 | 77 | 33 | 3 | 009200327 |
| 30 | 40,0 | 77 | 36 | 3 | 009200330 |
| 32 | 42,8 | 77 | 38 | 3 | 009200332 |
| 36 | 48,0 | 77 | 41 | 3 | 009200336 |

**920BL/SB11** — 1 009200338
10-12-13-14-15-16-17-18
19-21-22 mm

## 920A/AS
hexagon hand sockets

| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **3/8** | 14,6 | 37 | 21 | 2 | 009200270 |
| **7/16** | 16,5 | 37 | 21 | 3 | 009200272 |
| **1/2** | 19,0 | 37 | 22 | 3 | 009200273 |
| **9/16** | 20,3 | 37 | 22 | 3 | 009200274 |
| **19/32** | 21,0 | 37 | 22 | 3 | 009200275 |
| **5/8** | 22,8 | 37 | 22 | 3 | 009200276 |
| **11/16** | 25,0 | 37 | 24 | 3 | 009200277 |
| **3/4** | 26,5 | 38 | 25 | 3 | 009200279 |
| **25/32** | 28,0 | 38 | 26 | 3 | 009200280 |
| **13/16** | 29,0 | 38 | 27 | 3 | 009200281 |
| **7/8** | 30,0 | 40 | 28 | 3 | 009200282 |
| **15/16** | 32,8 | 42 | 30 | 3 | 009200284 |
| **1** | 35,0 | 42 | 32 | 3 | 009200285 |
| **1.1/16** | 36,5 | 43 | 33 | 2 | 009200287 |
| **1.1/8** | 39,0 | 43 | 35 | 2 | 009200289 |
| **1.3/16** | 41,0 | 46 | 36 | 2 | 009200290 |
| **1.1/4** | 42,8 | 46 | 38 | 2 | 009200292 |

**920A-AS/SB11** — 1 009200295
3/8-7/16-1/2-9/16-5/8
11/16-3/4-13/16-7/8
15/16-1

## 920AS
bi-hex hand sockets

| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **3/8** | 14,9 | 38 | 21,7 | 3 | 009200201 |
| **7/16** | 16,1 | 38 | 21,7 | 3 | 009200202 |
| **1/2** | 18,7 | 38 | 21,7 | 3 | 009200203 |
| **9/16** | 20,1 | 38 | 21,7 | 3 | 009200204 |
| **5/8** | 22,7 | 38 | 22,5 | 3 | 009200206 |
| **19/32** | 21,5 | 38 | 23,7 | 3 | 009200207 |
| **11/16** | 25,3 | 39 | 24,0 | 3 | 009200208 |
| **3/4** | 26,6 | 39 | 24,0 | 3 | 009200209 |
| **25/32** | 27,8 | 40 | 25,0 | 3 | 009200210 |
| **13/16** | 28,8 | 40 | 25,0 | 3 | 009200211 |
| **7/8** | 29,9 | 41 | 26,0 | 3 | 009200212 |
| **15/16** | 32,2 | 43 | 27,0 | 3 | 009200214 |
| **1** | 34,2 | 45 | 28,0 | 3 | 009200216 |
| **1.1/16** | 36,2 | 46 | 29,0 | 2 | 009200217 |
| **1.1/8** | 38,6 | 48 | 31,0 | 2 | 009200218 |
| **1.3/16** | 40,2 | 48 | 32,0 | 2 | 009200219 |
| **1.1/4** | 42,3 | 49 | 33,5 | 2 | 009200220 |

**920AS/SB11** — 1 009200225
3/8-7/16-1/2-9/16-5/8
11/16-3/4-13/16-7/8
15/16-1

## 920AS/L
bi-hex hand sockets, long series

| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **1/2** | 19,0 | 77 | 22 | 2 | 009200352 |
| **9/16** | 20,3 | 77 | 22 | 2 | 009200353 |
| **5/8** | 22,8 | 77 | 22 | 2 | 009200355 |
| **11/16** | 25,0 | 77 | 24 | 2 | 009200357 |
| **3/4** | 26,5 | 77 | 25 | 2 | 009200358 |
| **13/16** | 29,0 | 77 | 27 | 2 | 009200360 |
| **7/8** | 30,0 | 77 | 28 | 2 | 009200361 |
| **15/16** | 32,8 | 77 | 30 | 2 | 009200362 |
| **1** | 35,0 | 77 | 32 | 2 | 009200363 |
| **1.1/16** | 36,5 | 77 | 33,0 | 2 | 009200364 |
| **1.1/8** | 37,8 | 77 | 34 | 2 | 009200365 |

**920ASL/SB11** — 1 009200369
1/2-9/16-5/8-11/16
3/4-13/16-7/8-15/16
1-1.1/8-1.1/16

## 920U
gear lock hand sockets

| mm | " | | | L mm | | |
|---|---|---|---|---|---|---|
| **10** | 3/8 | E12 | M12 | 38 | 5 | 009201710 |
| **11** | 7/16 | E14 | M14 | 38 | 5 | 009201711 |
| **12** | 15/32 | E16 | | 38 | 5 | 009201712 |
| **13** | 1/2 | | M16 | 38 | 5 | 009201713 |
| **14** | 9/16 | E18 | M18 | 38 | 5 | 009201714 |
| **15** | 19/32 | | | 38 | 5 | 009201715 |
| **16** | 5/8 | E20 | | 38 | 5 | 009201716 |
| **17** | | | | 38 | 5 | 009201717 |
| **18** | | E22 | | 38 | 5 | 009201718 |
| **19** | 3/4 | E24 | | 38 | 5 | 009201719 |
| **20** | 25/32 | | | 38 | 3 | 009201720 |
| **21** | | | | 38 | 3 | 009201721 |
| **22** | 7/8 | | | 38 | 3 | 009201722 |
| **24** | 15/16 | | | 38 | 3 | 009201724 |
| **27** | 1.1/16 | | | 42 | 3 | 009201727 |
| **30** | 1.1/18 | | | 44 | 3 | 009201730 |
| **32** | 1.1/4 | | | 44 | 3 | 009201732 |

**920U/SB13** — 1 009201740
10-11-12-13-14-15-16
17-18-19-20-21-22 mm

**920U/SB4** — 1 009201744
24-27-30-32 mm

## 920FTX
hand sockets for Torx® head screws

| | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **E10** | 13,2 | 36 | 21 | 5 | 009200380 |
| **E12** | 15,0 | 37 | 21 | 5 | 009200381 |
| **E14** | 16,3 | 37 | 21 | 5 | 009200382 |
| **E16** | 18,8 | 37 | 22 | 5 | 009200383 |
| **E18** | 20,4 | 37 | 22 | 5 | 009200384 |
| **E20** | 22,9 | 37 | 22 | 5 | 009200385 |
| **E22** | 25,0 | 37 | 24 | 3 | 009200387 |
| **E24** | 26,5 | 40 | 25 | 3 | 009200388 |

**920FTX/SB6** — 1 009200390
E10-E12-E14
E16-E18-E20

**920FTX/C8** — 1 009200391
E10-E12-E14-E16
E18-E20-E22-E24

270X120X45 mm - 1 kg

## 920FTX/L
hand sockets for Torx® head screws, long series

| | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **E10** | 13,2 | 77 | 21,0 | 5 | 009200400 |
| **E12** | 15,0 | 77 | 21,0 | 5 | 009200401 |
| **E14** | 16,3 | 77 | 21,0 | 5 | 009200402 |
| **E16** | 18,8 | 77 | 21,8 | 3 | 009200403 |
| **E18** | 20,4 | 77 | 21,8 | 3 | 009200404 |
| **E20** | 22,9 | 77 | 22,0 | 3 | 009200405 |

**920FTX-LSB6** — 1 009200409
E10-E12-E14
E16-E18-E20

## 920LP

socket drivers for slotted head screws

| SxA mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **1x5,5** | 22,5 | 62 | 24 | 3 | 009200452 |
| **1,2x6,5** | 22,5 | 62 | 24 | 3 | 009200453 |
| **1,2x8** | 22,5 | 62 | 24 | 3 | 009200454 |
| **1,6x9** | 22,5 | 62 | 24 | 3 | 009200456 |
| **2x12** | 22,5 | 62 | 24 | 3 | 009200458 |

## 920PH

socket drivers for cross head Phillips® screws

| PH | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **1** | 22,5 | 56 | 18 | 3 | 009200471 |
| **2** | 22,5 | 56 | 18 | 3 | 009200472 |
| **3** | 22,5 | 56 | 18 | 3 | 009200473 |
| **4** | 22,5 | 56 | 18 | 3 | 009200474 |

**920PH/SB4** — 1 009200479
PH1-PH2-PH3-PH4

## 920LH/SB7

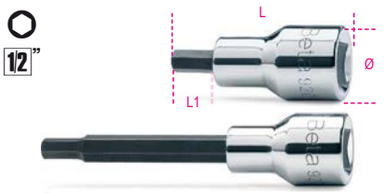
socket drivers for cross head Phillips® screws

**920LH/SB7** — 1 009200478

| | |
|---|---|
| 920LP | 1,2x6,5 - 1,2x8<br>1,6x9 - 2x12 mm |
| 920PH | PH2 - PH3 - PH4 |

## 920PE

socket drivers for hexagon screws




DIN 7422

| mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **3** | 22,5 | 58 | 20 | 5 | 009200410 |
| **4** | 22,5 | 58 | 20 | 5 | 009200412 |
| **5** | 22,5 | 58 | 20 | 5 | 009200414 |
| **5L** | 22,5 | 100 | 62 | 5 | 009200415 |
| **6** | 22,5 | 58 | 20 | 5 | 009200417 |
| **6L** | 22,5 | 100 | 62 | 5 | 009200418 |
| **7** | 22,5 | 58 | 20 | 5 | 009200420 |
| **7L** | 22,5 | 100 | 62 | 5 | 009200421 |
| **8** | 22,5 | 58 | 20 | 5 | 009200423 |
| **8L** | 22,5 | 100 | 62 | 5 | 009200424 |
| **9** | 22,5 | 58 | 20 | 5 | 009200425 |
| **9L** | 22,5 | 140 | 102 | 5 | 009200426 |
| **10** | 22,5 | 58 | 20 | 5 | 009200428 |
| **10L** | 22,5 | 140 | 102 | 5 | 009200429 |
| **12** | 23,0 | 58 | 20 | 5 | 009200432 |
| **12L** | 22,5 | 140 | 102 | 5 | 009200433 |
| **14** | 23,0 | 58 | 20 | 5 | 009200434 |
| **14L** | 22,5 | 140 | 102 | 5 | 009200435 |
| **17** | 29,5 | 60 | 22 | 5 | 009200437 |
| **19** | 29,5 | 60 | 22 | 5 | 009200439 |

**920PE/SB9** — 1 009200441
4-5-6-8-10 mm
5L-6L-8L-10L mm

**920PE/C10** — 1 009200443
4-5-6-7-8-10
12-14-17-19 mm

270X120X45 mm - 1,5 kg

## 920PE/AS

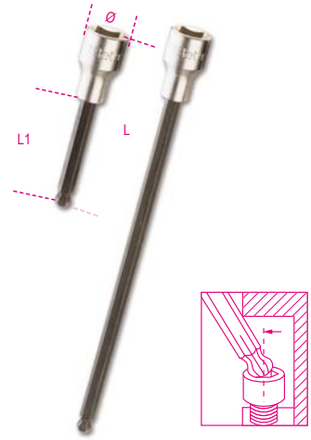
socket drivers for hexagon screws

| " | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **1/8** | 22,5 | 58 | 20 | 2 | 009200460 |
| **3/16** | 22,5 | 58 | 20 | 2 | 009200461 |
| **1/4** | 22,5 | 58 | 20 | 2 | 009200463 |
| **3/8** | 22,5 | 58 | 20 | 2 | 009200464 |
| **1/2** | 22,5 | 60 | 20 | 2 | 009200465 |
| **3/4** | 22,5 | 60 | 20 | 1 | 009200468 |

**920PE-AS/SB6** — 1 009200469
1/8-3/16-1/4-3/8-1/2-3/4

## 920BP

ball head socket drivers for hexagon screws




| mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **5L** | 22,5 | 100 | 62 | 5 | 009200490 |
| **5XL** | 22,5 | 240 | 202 | 1 | 009200495 |
| **6L** | 22,5 | 100 | 62 | 5 | 009200491 |
| **6XL** | 22,5 | 240 | 202 | 1 | 009200496 |
| **7L** | 22,5 | 100 | 62 | 5 | 009200492 |
| **8L** | 22,5 | 100 | 62 | 5 | 009200493 |
| **8XL** | 22,5 | 240 | 202 | 1 | 009200497 |
| **10L** | 22,5 | 140 | 102 | 5 | 009200494 |

**920BP/SB8** — 1 009200500
5L-6L-7L-8L-10L mm
5XL-6XL-8XL mm

## 920ME

socket drivers for hexagon screws

| mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **5** | 21 | 75 | 15,5 | 5 | 009200505 |
| **6** | 21 | 75 | 15,5 | 5 | 009200506 |
| **7** | 21 | 75 | 15,5 | 5 | 009200507 |
| **8** | 21 | 75 | 15,5 | 5 | 009200508 |
| **10** | 23 | 75 | 15,5 | 5 | 009200510 |
| **12** | 24 | 75 | 15,5 | 5 | 009200512 |
| **14** | 24 | 75 | 15,5 | 5 | 009200514 |
| **17** | 24 | 75 | 15,5 | 5 | 009200517 |

**920ME/SB7** 1 009200519
5-6-8-10-12-14-17 mm

**920ME/C7** 1 009200518
5-6-8-10-12-14-17 mm
250X100X35 mm - 1,4 kg

## 920TX
socket drivers for Torx® head screws

| | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| T20 | 22,5 | 58 | 20 | 5 | 009200520 |
| T20L | 22,5 | 120 | 82 | 3 | 009200530 |
| T25 | 22,5 | 58 | 20 | 5 | 009200521 |
| T25L | 22,5 | 120 | 82 | 3 | 009200531 |
| T27 | 22,5 | 58 | 20 | 5 | 009200522 |
| T27L | 22,5 | 120 | 82 | 3 | 009200533 |
| T30 | 22,5 | 58 | 20 | 5 | 009200523 |
| T30L | 22,5 | 120 | 82 | 3 | 009200534 |
| T40 | 22,5 | 58 | 20 | 5 | 009200524 |
| T40L | 22,5 | 120 | 82 | 3 | 009200535 |
| T45 | 22,5 | 58 | 20 | 5 | 009200525 |
| T45L | 22,5 | 120 | 82 | 3 | 009200537 |
| T50 | 22,5 | 58 | 20 | 5 | 009200526 |
| T50L | 23,0 | 140 | 102 | 3 | 009200538 |
| T55 | 23,0 | 58 | 20 | 3 | 009200527 |
| T55L | 23,0 | 140 | 102 | 3 | 009200539 |
| T60 | 23,0 | 58 | 20 | 3 | 009200528 |
| T60L | 23,0 | 140 | 102 | 3 | 009200540 |
| T70L | 23,0 | 120 | 82 | 3 | 009200541 |

**920TX-SB9** 1 009200532
T20-T25-T27-T30
T40-T45-T50-T55-T60

**920TX-L/SB10** 1 009200545
T20L-T25L-T27L-T30L-T40L-
T45L-T50L-T55L-T60L-T70L

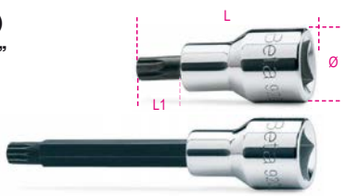
**920TX/C9** 1 009200546
T20-T25-T27-T30-T40
T45-T50-T55-T60
270X120X45 mm - 1,2 kg

## 920RTX
socket drivers
for Tamper Resistant Torx® head screws

| | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| T20 | 22,5 | 58 | 20 | 5 | 009200370 |
| T25 | 22,5 | 58 | 20 | 5 | 009200371 |
| T27 | 22,5 | 58 | 20 | 5 | 009200372 |
| T30 | 22,5 | 58 | 20 | 5 | 009200373 |
| T40 | 22,5 | 58 | 20 | 5 | 009200374 |

**920RTX/SB5** 1 009200378
T20-T25-T27-T30-T40

## 920XZN
socket drivers with XZN® profile




DIN 2324

| | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| M4 | 22,5 | 58 | 20 | 3 | 009200559 |
| M5 | 22,5 | 58 | 20 | 3 | 009200560 |
| M6 | 22,5 | 58 | 20 | 3 | 009200561 |
| M6L | 22,5 | 100 | 62 | 3 | 009200562 |
| M8 | 22,5 | 58 | 20 | 3 | 009200563 |
| M8L | 22,5 | 100 | 62 | 3 | 009200564 |
| M9 | 22,5 | 58 | 20 | 3 | 009200582 |
| M9L | 22,5 | 100 | 62 | 3 | 009200583 |
| M10 | 22,5 | 58 | 20 | 3 | 009200565 |
| M10L | 22,5 | 100 | 62 | 3 | 009200566 |
| M12 | 22,5 | 58 | 20 | 3 | 009200568 |
| M12L | 22,5 | 100 | 62 | 3 | 009200569 |
| M14 | 23,0 | 58 | 20 | 3 | 009200571 |
| M14L | 23,0 | 100 | 62 | 3 | 009200572 |
| M16 | 23,0 | 58 | 20 | 3 | 009200573 |
| M18 | 23,0 | 58 | 20 | 3 | 009200574 |

**920XZN/SB7** 1 009200579
M4-M5-M6-M8
M10-M12-M14

**920XZN/SB12** 1 009200577
M5-M6-M8-M10-M12
M14-M16-M6L-M8L
M10L-M12L-M14L

**920XZN-L/S5** 1 009200578
M6L-M8L-M10L
M12L-M14L

## 920ES
special form socket drivers

UNI 9326

| Ø mm | | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 7 | (6R) | 58 | 20 | 5 | 009200587 |
| 7XL | (6R) | 240 | 202 | 1 | 009200607 |
| 9 | (8R) | 58 | 20 | 5 | 009200589 |
| 9XL | (8R) | 240 | 202 | 1 | 009200609 |
| 10 | (8S) | 58 | 20 | 5 | 009200590 |
| 10XL | (8S) | 240 | 202 | 1 | 009200610 |
| 11 | (10R) | 58 | 20 | 5 | 009200591 |
| 11XL | (10R) | 240 | 202 | 1 | 009200611 |
| 12L | (10S) | 100 | 62 | 3 | 009200592 |
| 12XL | (10S) | 240 | 202 | 1 | 009200612 |
| 14L | (12S) | 100 | 62 | 3 | 009200594 |
| 14XL | (12S) | 240 | 202 | 1 | 009200614 |
| 16L | (14R) | 100 | 62 | 3 | 009200596 |
| 16XL | (14R) | 240 | 202 | 1 | 009200616 |

**920ES/SB7** 1 009200598
7-9-10-11-12L-14L-16L

**920ES-XL/SB7** 1 009200618
7XL-9XL-10XL-11XL
12XL-14XL-16XL

## PM 1/2-Q5

**PM 1/2-Q5** 71,504

## 920/15
adaptor, 1/2" female
and 3/8" male drives

UNI/ISO 3316 DIN 3123

| L mm | □ | ■ | Ø mm | | |
|---|---|---|---|---|---|
| **42** | 1/2 | 3/8 | 22,0 | 5 | 009200810 |

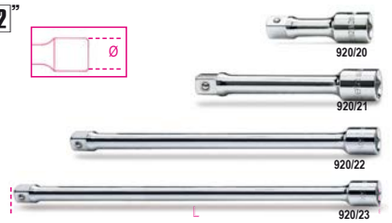
**Always apply torque loads evenly and progressively to avoid breakage and any possible injury.**

## 920/16
adaptor, 1/2" female
and 3/4" male drives

UNI/ISO 3316 DIN 3123

| L mm | □ | ■ | Ø mm | | |
|---|---|---|---|---|---|
| **46** | 1/2 | 3/4 | 26 | 5 | 009200814 |

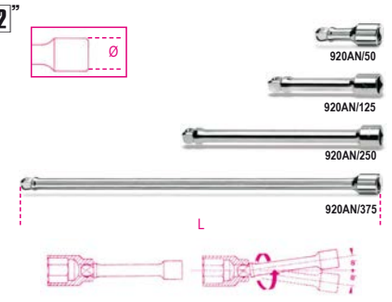
## 920/20÷920/23
1/2" drive extension bars




UNI/ISO 3316 DIN 3123

| | L mm | Ø mm | | |
|---|---|---|---|---|
| **920/20** | 75 | 22 | 5 | 009200818 |
| **920/21** | 125 | 22 | 5 | 009200822 |
| **920/22** | 255 | 22 | 5 | 009200826 |
| **920/23** | 375 | 22 | 2 | 009200827 |

## 920AN
1/2" wobble extension bars




| | L mm | Ø mm | | |
|---|---|---|---|---|
| **920AN/50** | 50 | 22 | 5 | 009200833 |
| **920AN/125** | 125 | 22 | 5 | 009200834 |
| **920AN/250** | 250 | 22 | 3 | 009200835 |
| **920AN/375** | 375 | 22 | 3 | 009200836 |

## 920/25
1/2" drive universal joint

UNI/ISO 3316 DIN 3123

| L mm | Ø mm | | |
|---|---|---|---|
| **75** | 27 | 5 | 009200830 |

## 920/35A
1/2" drive swivel handle

UNI/ISO 3315 DIN 3122

| L mm | L1 mm | | |
|---|---|---|---|
| **285** | 160 | 3 | 009200846 |

## 920M/35
1/2" swivel drive with metal handle

UNI/ISO 3315 DIN 3122

| L mm | | |
|---|---|---|
| **380** | 2 | 009200845 |

## 920M/35L
1/2" swivel drive with metal handle, long series

| L mm | | |
|---|---|---|
| **600** | 1 | 009200843 |

**Always apply torque loads evenly and progressively to avoid breakage and any possible injury.**

## 920/36A
1/2" drive swivel handle

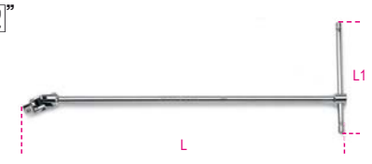
UNI/ISO 3315 DIN 3122

| L mm | L1 mm | | |
|---|---|---|---|
| **408** | 283 | 2 | 009200847 |

## 920/38
1/2" extension drive swivel handle

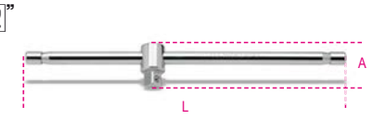
| L mm | L max mm | | |
|---|---|---|---|
| **262** | 402 | 1 | 009200839 |

## 920/40
1/2" drive swivel T-handle




| L mm | L1 mm | | |
|---|---|---|---|
| **490** | 230 | 2 | 009200850 |

## 920/42
1/2" drive sliding T handle




UNI/ISO 3315 DIN 3122

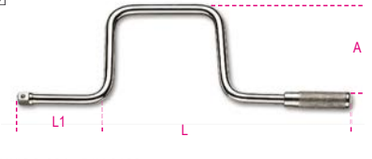
| L mm | A mm | | |
|---|---|---|---|
| **305** | 42 | 5 | 009200854 |

## 920/44
1/2" drive offset handle

UNI/ISO 3315 DIN 3122

| L mm | L1 mm | | |
|---|---|---|---|
| **230** | 60 | 3 | 009200858 |

## 920/46
1/2" drive with speed brace




UNI/ISO 3315 DIN 3122

| L mm | L1 mm | A mm | | |
|---|---|---|---|---|
| **385** | 110 | 160 | 1 | 009200862 |

## 920/50

1/2” push-through drive ratchet,
72 teeth

UNI/ISO 3315 DIN 3122

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 275 | 40 | 42 | 3 | 009200871 |

## 920/50F

1/2” female square drive ratchet,
72 teeth

UNI/ISO 3315 DIN 3122

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 275 | 40 | 27 | 2 | 009200889 |

## 920/55

1/2" drive reversible ratchet,
72 teeth

UNI/ISO 3315 DIN 3122

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 275 | 40 | 43 | 3 | 009200882 |

## 920/55Q

1/2” drive reversible ratchet, 48 teeth

UNI/ISO 3315 DIN 3122

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 275 | 40 | 43 | 3 | 009200885 |

## 920/55X

1/2” drive reversible ratchet, 72 teeth

UNI/ISO 3315 DIN 3122

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 200 | 30 | 33 | 3 | 009200895 |

## 920/55LC

1/2” drive reversible ratchet
“Locking System”, 72 teeth

UNI/ISO 3315 DIN 3122

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 275 | 40 | 43 | 2 | 009200896 |

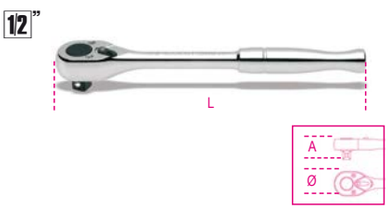
## 920/55L

extension reversible ratchet,
1/2" male drive,
72 tooth mechanism

| L mm | L max mm | Ø mm | A mm | | |
|---|---|---|---|---|---|
| 282 | 422 | 40 | 43 | 1 | 009200927 |

## 920M/55

1/2”drive reversible ratchet
with metal handle



| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 253 | 38 | 35 | 1 | 009200893 |

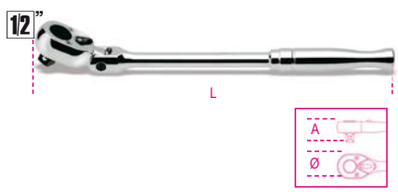
## 920/56A

1/2” drive swivel reversible ratchet,
72 teeth

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 315 | 40 | 43 | 1 | 009200911 |

## 920M/56

1/2” drive reversible swivel ratchet
with metal handle

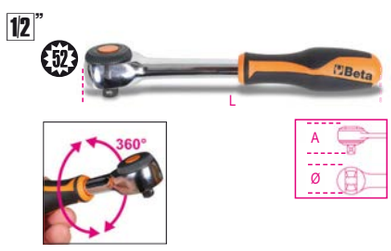


| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 330 | 38 | 35,7 | 2 | 009200894 |

## 920/58

1/2" drive reversible ratchet
with rotating handle,
52 tooth mechanism

- **Socket release button**
- **Ring nut reversal system on ratchet head**
- **Bi-material handle**






| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 281 | 42,5 | 45 | 1 | 009200926 |

**Spare parts**
**rotating mechanism of ratchets,**
**see table after item 929/C8**

## 920.../C11

11 sockets and 2 accessories

12"

**920A/C11** 1 009200921

| | | |
|---|---|---|
| 920A | 10 - 12 - 13 - 14 - 15 - 16 17 - 18 - 19 - 21 - 22 mm |
| 920/22 | 255 mm |
| 920/50 | |

335x145x60 mm - 2,5 kg

**920B/C11** 1 009200922

| | | |
|---|---|---|
| 920B | 10 - 12 - 13 - 14 - 15 - 16 17 - 18 - 19 - 21 - 22 mm |
| 920/22 | 255 mm |
| 920/50 | |

335x145x60 mm - 2,5 kg

## 920.../C12...

12 sockets and 5 accessories

12"

**920A/C12X** 1 009200933

| | | |
|---|---|---|
| 920A | 10 - 11 - 12 - 13 - 14 - 17 - 19 22 - 24 - 27 - 30 - 32 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | |
| 920/55 | |

420x185x60 mm - 4,2 kg

**920A/C12** 1 009200931

| | | |
|---|---|---|
| 920A | 10 - 11 - 12 - 13 - 14 - 17 - 19 22 - 24 - 27 - 30 - 32 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | |
| 920/50 | |

420x185x60 mm - 4,2 kg

**920B/C12X** 1 009200934

| | | |
|---|---|---|
| 920B | 10 - 11 - 12 - 13 - 14 - 17 - 19 22 - 24 - 27 - 30 - 32 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | |
| 920/55 | |

420x185x60 mm - 4,0 kg

**920B/C12** 1 009200932

| | | |
|---|---|---|
| 920B | 10 - 11 - 12 - 13 - 14 - 17 - 19 22 - 24 - 27 - 30 - 32 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | |
| 920/50 | |

420x185x60 mm - 4,0 kg

## 920MC/C14

14 coloured hexagon hand sockets and 5 accessories

12"

**920MC/C14** 1 009202964

| | | |
|---|---|---|
| 920MC | 8 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | |
| 920/55 | |

420x185x60 mm - 4,2 kg

## 920.../C20...

20 sockets and 5 accessories

12"

**920A/C20X** 1 009200950

| | | |
|---|---|---|
| 920A | 10 - 11 - 12 - 13 - 14 - 15 - 16 17 - 18 - 19 - 20 - 21 - 22 -23 24 - 26 - 27 - 28 - 30 - 32 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | |
| 920/55 | |

420x185x60 mm - 5,1 kg

**920A/C20** 1 009200948

| | | |
|---|---|---|
| 920A | 10 - 11 - 12 - 13 - 14 - 15 - 16 17 - 18 - 19 - 20 - 21 - 22 -23 24 - 26 - 27 - 28 - 30 - 32 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | |
| 920/50 | |

420x185x60 mm - 5,1 kg

**920A/C20Q** 1 009200955

| | | |
|---|---|---|
| 920A | 10 - 11 - 12 - 13 - 14 - 15 - 16 17 - 18 - 19 - 20 - 21 - 22 -23 24 - 26 - 27 - 28 - 30 - 32 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | |
| 920/55Q | |

420x185x60 mm - 5,1 kg

**920B/C20** 1 009200949

| | | |
|---|---|---|
| 920B | 10 - 11 - 12 - 13 - 14 - 15 - 16 17 - 18 - 19 - 20 - 21 - 22 -23 24 - 26 - 27 - 28 - 30 - 32 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | |
| 920/50 | |

420x185x60 mm - 5,0 kg

**920B/C20X** — 1 — 009200951

| | | |
|---|---|---|
| | 920B | 10 - 11 - 12 - 13 - 14 - 15 - 16<br>17 - 18 - 19 - 20 - 21 - 22 -23<br>24 - 26 - 27 - 28 - 30 - 32 mm |
| | 920/21 | 125 mm |
| | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |
| | 920/55 | |

420x185x60 mm - 5,0 kg

## 920.../C21...

21 sockets and 6 accessories

12"

**920A/C21** — 1 — 009200952

| | | |
|---|---|---|
| | 920A | 10 - 11 - 12 - 13 - 14 - 15 - 16<br>17 - 18 - 19 - 20 - 21 - 22 -23<br>24 - 25 - 26 - 27 - 28 - 30 - 32 mm |
| | 920/21 | 125 mm |
|  | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |
| | 920/46 | |
| | 920/50 | |

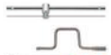
420x280x60 mm - 6,5 kg

**920A/C21X** — 1 — 009200983

| | | |
|---|---|---|
| | 920A | 10 - 11 - 12 - 13 - 14 - 15 - 16<br>17 - 18 - 19 - 20 - 21 - 22 -23<br>24 - 25 - 26 - 27 - 28 - 30 - 32 mm |
| | 920/21 | 125 mm |
|  | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |
| | 920/46 | |
| | 920/55 | |

420x280x60 mm - 6,4 kg

**920B/C21** — 1 — 009200953

| | | |
|---|---|---|
| | 920B | 10 - 11 - 12 - 13 - 14 - 15 - 16<br>17 - 18 - 19 - 20 - 21 - 22 -23<br>24 - 25 - 26 - 27 - 28 - 30 - 32 mm |
| | 920/21 | 125 mm |
|  | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |
|  | 920/46 | |
|  | 920/50 | |

420x280x60 mm - 6,4 kg

**920B/C21X** — 1 — 009200984

| | | |
|---|---|---|
| | 920B | 10 - 11 - 12 - 13 - 14 - 15 - 16<br>17 - 18 - 19 - 20 - 21 - 22 -23<br>24 - 25 - 26 - 27 - 28 - 30 - 32 mm |
| | 920/21 | 125 mm |
| | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |
| | 920/46 | |
| | 920/55 | |

420x280x60 mm - 6,4 kg

## 920B/C30Q

30 bi-hex sockets and 5 accessories

12"

**920B/C30Q** — 1 — 009200975

| | | |
|---|---|---|
| | 920B | 8 - 9 - 10 - 11 - 12 - 13 - 14<br>15 - 16 - 17 - 18 - 19 - 20 - 21<br>22 -23 - 24 - 26 - 27 - 30 mm |
| | 920BL | 12 - 13 - 14 - 17 - 19 - 21<br>22 - 24 - 27 - 30 mm |
| | 920/21 | 125 mm |
| | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |
| | 920/55Q | |

420x280x60 mm - 7,6 kg

## 920.../C33

20 sockets, 13 socket drivers
and 5 accessories

12"

**920A/C33** — 1 — 009200985

| | | |
|---|---|---|
| | 920A | 10 - 11 - 12 - 13 - 14 - 15 - 16<br>17 - 18 - 19 - 20 - 21 - 22 -23<br>24 - 26 - 27 - 28 - 30 - 32 mm |
| | 920LP | 1,2x8 - 1,6x9 - 2x12 mm |
|  | 920PH | PH2 - PH3 - PH4 |
| | 920PE | 4 - 5 - 6 - 8 - 10 - 12 - 14 mm |
| | 920/21 | 125 mm |
|  | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |
| | 920/55 | |

420x280x60 mm - 6,7 kg

**920B/C33** — 1 — 009200986

| | | |
|---|---|---|
| | 920B | 10 - 11 - 12 - 13 - 14 - 15 - 16<br>17 - 18 - 19 - 20 - 21 - 22 -23<br>24 - 26 - 27 - 28 - 30 - 32 mm |
| | 920LP | 1,2x8 - 1,6x9 - 2x12 mm |
| | 920PH | PH2 - PH3 - PH4 |
|  | 920PE | 4 - 5 - 6 - 8 - 10 - 12 - 14 mm |
| | 920/21 | 125 mm |
| | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |
| | 920/55 | |

420x280x60 mm - 6,7 kg

## 920A/C17M - 920A/C17MR

Assortment of 17 hexagon sockets and 5 accessories in foam tray, in metal case

**920A/C17M** 1 009200924

| | | |
|---|---|---|
| | 920A | 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32 mm |
| | 920/21 | 125 mm |
| | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | 305 mm |
| | 920/55 | |

420x185x60 mm - 5 kg

**920A/C17MR** 1 009200937

| | | |
|---|---|---|
| | 920/21 | 125 mm |
| | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | 305 mm |
| | 920/58 | |

420x185x60 mm 5,1 kg

## 920/C37

37 bi-hex sockets and 5 accessories

**920/C37** 1 009200988

| | | |
|---|---|---|
| | 920B | 10 - 11 - 12 - 13 - 14 - 15 - 16 17 - 18 - 19 - 20 - 21 - 22 -23 24 - 26 - 27 - 28 - 30 - 32 mm |
| | 920AS | 3/8 - 7/16 - 1/2 - 9/16 - 19/32 5/8 - 11/16 - 3/4 - 25/32 - 13/16 7/8 - 15/16 - 1 - 1.1/16 - 1.1/8 1.3/16 - 1.1/4 |
| | 920/21 | 125 mm |
| | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |
| | 920/55 | |

420x280x60 mm - 7,5 kg

## 920AS/C10

10 bi-hex sockets and 2 accessories

**920AS/C10** 1 009200919

| | | |
|---|---|---|
| | 920AS | 3/8 - 7/16 - 1/2 - 9/16 - 5/8 11/16 - 3/4 - 13/16 - 7/8 - 15/16 |
| | 920/22 | 255 mm |
| | 920/50 | |

335x145x60 mm - 2,6 kg

## 920AS/C15

15 bi-hex sockets and 6 accessories

**920AS/C15** 1 009200947

| | | |
|---|---|---|
| | 920AS | 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 3/4 - 13/16 - 7/8 - 15/16 - 1 1.1/16 - 1.1/8 - 1.3/16 - 1.1/4 |
| | 920/21 | 125 mm |
| | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |
| | 920/46 | |
| | 920/50 | |

420x280x60 mm - 5,9 kg

## 920AS/C17X

17 bi-hex sockets and 5 accessories

**920AS/C17X** 1 009200942

| | | |
|---|---|---|
| | 920AS | 3/8 - 7/16 - 1/2 - 9/16 - 19/32 - 5/8 11/16 - 3/4 - 25/32 - 13/16 - 7/8 15/16 - 1 - 1.1/16 - 1.1/8 - 1.3/16 - 1.1/4 |
| | 920/21 | 125 mm |
| | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |
| | 920/55 | |

420x185x60 mm - 4,8 kg

## 920AS/MBM-C21

16 bi-hex sockets and 5 accessories for aeronautical maintenance

**920AS/MBM-C21** 1 009200944

| | | |
|---|---|---|
| | 920AS | 3/8 - 7/16 - 1/2 - 9/16 19/32 - 5/8 - 11/16 - 3/4 25/32 - 13/16 - 7/8 - 15/16 1 - 1.1/16 - 1.3/16 - 1.1/4 |
| | 920M/55 | |
| | 920/21 | 125 mm |
| | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |

420x185x60 mm - 5,0 kg

## 920TX/C17

6 bits , 6 sockets, 5 socket drivers
and 4 accessories for Torx® head screws

| | | | |
|---|---|---|---|
| 920TX/C17 | | 1 | 009200989 |

| | | |
|---|---|---|
| | 861TX | T8 - T10 - T15 - T20 - T25 - T27 |
| | 897 | |
| | 920TX | T27 - T30 - T40 - T45 - T50 |
| | 920FTX | E10 - E12 - E14 - E16 - E18 - E20 |
| | 920/20 | 75 mm |
| | 920/22 | 255 mm |
| | 920/55 | |

420x185x60 mm - 2,9 kg

## 920A/C17HR

17 hexagon sockets and 5 accessories
in hard foam tray, in metal case

• ratchet with rotating handle

| | | | |
|---|---|---|---|
| 920A/C17HR | | 1 | 009200939 |

| | | |
|---|---|---|
| | 920A | 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32 mm |
| | 920/21 | 125 mm |
| | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | |
| | 920/58 | |

420x185x60 mm - 5,1 kg

## 920U/C17M

17 gear lock hand sockets
and 5 accessories,
in soft foam tray

| | | | |
|---|---|---|---|
| 920U/C17M | | 1 | 009201797 |

| | | |
|---|---|---|
| | 920U | ○ 10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32 mm<br>" 3/8-7/16-15/32-1/2-9/16-19/32-5/8-3/4-25/32-7/8-15/16-1.1/16-1.1/8-1.1/4<br>○ M12-M14-M16-M18<br>◌ E12-E14-E16-E18-E20-E22-E24 |
| | 920/21 | 125 mm |
| | 920/22 | 255 mm |
| | 920/25 | |
| | 920/42 | 305 mm |
| | 920/55 | 275 mm |

420x185x60 mm - 5 kg

## 928A

hexagon hand sockets

UNI/ISO 2725
DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 19 | 29,2 | 50 | 34 | 5 | 009280019 |
| 21 | 30,0 | 51 | 34 | 5 | 009280021 |
| 22 | 31,3 | 53 | 34 | 5 | 009280022 |
| 23 | 33,3 | 53 | 34 | 5 | 009280023 |
| 24 | 34,5 | 53 | 34 | 5 | 009280024 |
| 26 | 36,8 | 55 | 35 | 5 | 009280026 |
| 27 | 38,0 | 56 | 35 | 5 | 009280027 |
| 28 | 39,0 | 57 | 35 | 3 | 009280028 |
| 29 | 40,2 | 58 | 35 | 3 | 009280029 |
| 30 | 41,5 | 58 | 37 | 3 | 009280030 |
| 32 | 44,3 | 60 | 37 | 3 | 009280032 |
| 33 | 45,8 | 60 | 37 | 3 | 009280033 |
| 34 | 46,8 | 60 | 37 | 3 | 009280034 |
| 35 | 48,1 | 62 | 38 | 3 | 009280035 |
| 36 | 49,5 | 64 | 38 | 3 | 009280036 |
| 38 | 52,0 | 68 | 40 | 3 | 009280038 |
| 41 | 56,0 | 71 | 40 | 3 | 009280041 |
| 46 | 62,3 | 75 | 43 | 3 | 009280046 |
| 50 | 67,4 | 80 | 43 | 3 | 009280050 |
| 55 | 73,7 | 84 | 48 | 1 | 009280055 |
| 60 | 80,0 | 87 | 48 | 1 | 009280060 |

## 928B

bi-hex hand sockets

UNI/ISO 2725
DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 19 | 29,2 | 50 | 34 | 5 | 009280119 |
| 21 | 30,0 | 51 | 34 | 5 | 009280121 |
| 22 | 31,3 | 53 | 34 | 5 | 009280122 |
| 23 | 33,3 | 53 | 34 | 5 | 009280123 |
| 24 | 34,5 | 53 | 34 | 5 | 009280124 |
| 26 | 36,8 | 55 | 35 | 5 | 009280126 |
| 27 | 38,0 | 56 | 35 | 5 | 009280127 |
| 28 | 39,0 | 57 | 35 | 3 | 009280128 |
| 29 | 40,2 | 58 | 35 | 3 | 009280129 |
| 30 | 41,5 | 58 | 37 | 3 | 009280130 |
| 32 | 44,3 | 60 | 37 | 3 | 009280132 |
| 33 | 45,8 | 60 | 37 | 3 | 009280133 |
| 34 | 46,8 | 60 | 37 | 3 | 009280134 |
| 35 | 48,1 | 62 | 38 | 3 | 009280135 |
| 36 | 49,5 | 64 | 38 | 3 | 009280136 |
| 38 | 52,0 | 68 | 40 | 3 | 009280138 |
| 41 | 56,0 | 71 | 40 | 3 | 009280141 |
| 46 | 62,3 | 75 | 43 | 3 | 009280146 |
| 50 | 67,4 | 80 | 43 | 3 | 009280150 |
| 55 | 73,7 | 84 | 48 | 1 | 009280155 |
| 60 | 80,0 | 87 | 48 | 1 | 009280160 |

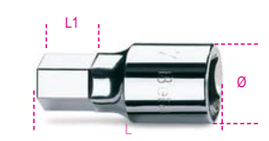
## 928AS

hexagon hand sockets

| " | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 7/8 | 32,0 | 53 | 34 | 1 | 009280202 |
| 15/16 | 34,5 | 53 | 34 | 1 | 009280203 |
| 1 | 36,2 | 55 | 35 | 1 | 009280204 |
| 1.1/16 | 38,0 | 56 | 35 | 1 | 009280205 |
| 1.1/8 | 40,2 | 58 | 35 | 1 | 009280206 |
| 1.1/4 | 44,2 | 60 | 37 | 1 | 009280208 |
| 1.5/16 | 45,8 | 60 | 37 | 1 | 009280209 |
| 1.3/8 | 48,1 | 62 | 38 | 1 | 009280210 |
| 1.7/16 | 49,5 | 64 | 38 | 1 | 009280211 |
| 1.1/2 | 52,0 | 68 | 40 | 1 | 009280212 |
| 1.5/8 | 56,0 | 71 | 40 | 1 | 009280214 |
| 1.11/16 | 58,8 | 74 | 40 | 1 | 009280215 |
| 1.13/16 | 62,3 | 75 | 43 | 1 | 009280217 |
| 1.7/8 | 65,0 | 78 | 43 | 1 | 009280218 |
| 2 | 68,3 | 80 | 43 | 1 | 009280219 |
| 2.1/16 | 71,5 | 83 | 48 | 1 | 009280220 |

## 928ME

socket drivers for hexagon screws



| mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 14 | 35 | 75 | 15,5 | 2 | 009280514 |
| 17 | 35 | 75 | 15,5 | 2 | 009280517 |
| 19 | 35 | 75 | 15,5 | 2 | 009280519 |
| 22 | 35 | 75 | 22,5 | 2 | 009280522 |

## 928/15
adaptor, 3/4” female and 1/2” male drives

UNI/ISO 3316
DIN 3123

| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| 51,5 | 34 | 3/4 | 1/2 | 5 | 009280801 |

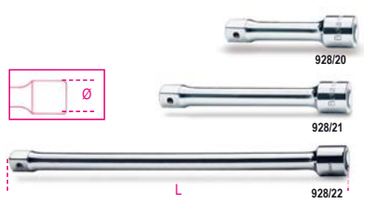
**Always apply torque loads evenly and progressively to avoid breakage and any possible injury.**

## 928/16
adaptor, 3/4” female and 1” male drives

UNI/ISO 3316
DIN 3123

| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| 65 | 34 | 3/4 | 1" | 5 | 009280807 |

## 928/20 - 928/21 - 928/22
3/4” drive extension bars




UNI/ISO 3316
DIN 3123

| | L mm | Ø mm | | |
|---|---|---|---|---|
| 928/20 | 100 | 34 | 3 | 009280810 |
| 928/21 | 200 | 34 | 3 | 009280815 |
| 928/22 | 380 | 34 | 3 | 009280825 |

## 928/25
3/4" drive universal joint

UNI/ISO 3316 DIN 3123

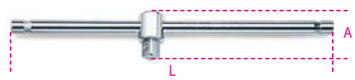
| L mm | Ø mm | | |
|---|---|---|---|
| 108 | 40 | 1 | 009280830 |

## 928/36A
3/4” drive swivel handle

DIN 3122 - UNI ISO 3315

| L mm | | |
|---|---|---|
| 545 | 1 | 009280844 |

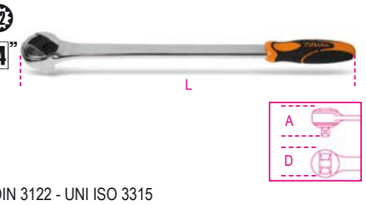
## 928/42
3/4” drive slide T-handle




UNI/ISO 3315 DIN 3122

| L mm | A mm | | |
|---|---|---|---|
| 450 | 62,5 | 3 | 009280850 |

## 928/55
3/4" drive reversible ratchet, 72 teeth




DIN 3122 - UNI ISO 3315

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| 510 | 58 | 59 | 2 | 009280862 |

**Spare parts**
**rotating mechanism of ratchets,**
**see table after item 929/C8**

## 928.../C12
assortment of 12 hexagon hand sockets and 5 accessories in sheet metal case

**928A/C12** 1 009280955

| | | |
|---|---|---|
| 928A | 22 - 24 - 27 - 30 - 32 - 34 - 36<br>38 - 41 - 46 - 50 - 55 mm |
| 928/21 | 200 mm |
| 928/22 | 380 mm |
| 928/25 | |
| 928/42 | |
| 928/55 | |

530x220x80 mm - 13,5 kg

**928B/C12** 1 009280957

| | | |
|---|---|---|
| 928B | 22 - 24 - 27 - 30 - 32 - 34 - 36<br>38 - 41 - 46 - 50 - 55 mm |
| 928/21 | 200 mm |
| 928/22 | 380 mm |
| 928/25 | |
| 928/42 | |
| 928/55 | |

530x220x80 mm - 13,5 kg

## 928AS/C12
assortment of 12 hexagon hand sockets and 5 accessories in sheet metal case

**928AS/C12** 1 009280968

| | | |
|---|---|---|
| 928AS | 7/8-15/16-1.1/16-1.1/8-1.1/4<br>1.5/16-1.7/16-1.1/2-1.11/16<br>1.13/16-1.7/8-2.1/16 |
| 928/21 | 200 mm |
| 928/22 | 380 mm |
| 928/25 | |
| 928/42 | |
| 928/55 | |

530x220x80 mm - 13,5 kg

## 929
hexagon hand sockets

1"

UNI/ISO 2725 DIN 3124

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| **36** | 51 | 65 | 48 | 1 | 009290036 |
| **41** | 57 | 70 | 48 | 1 | 009290041 |
| **46** | 65 | 75 | 48 | 1 | 009290046 |
| **50** | 70 | 80 | 48 | 1 | 009290050 |
| **55** | 76 | 85 | 54 | 1 | 009290055 |
| **60** | 82 | 90 | 54 | 1 | 009290060 |
| **65** | 88 | 95 | 54 | 1 | 009290065 |
| **70** | 92 | 100 | 60 | 1 | 009290070 |
| **75** | 99 | 110 | 60 | 1 | 009290075 |
| **80** | 106 | 120 | 60 | 1 | 009290080 |

## 929/15
adaptor, 1" female and 3/4" male drives

1"

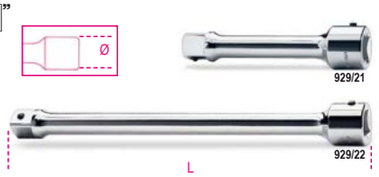
UNI/ISO 3316 DIN 3123

| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| **65** | 47 | 1" | 3/4 | 2 | 009290801 |

**Always apply torque loads evenly and progressively to avoid breakage and any possible injury.**

## 929/21 - 929/22
1" drive extension bars

1"




UNI/ISO 3316 DIN 3123

| | L mm | Ø mm | | |
|---|---|---|---|---|
| **929/21** | 200 | 47 | 1 | 009290815 |
| **929/22** | 400 | 47 | 1 | 009290825 |

## 929/42
1" drive slide T-handle

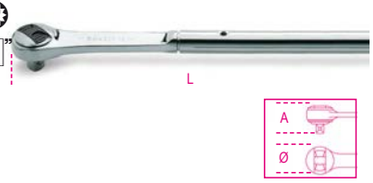
1"

UNI/ISO 3315 DIN 3122

| L mm | | |
|---|---|---|
| **535** | 1 | 009290850 |

## 929/55
1" reversible ratchet 72 teeth

72
1"




UNI/ISO 3315 DIN 3122

| L mm | Ø mm | A mm | | |
|---|---|---|---|---|
| **770** | 62 | 63 | 1 | 009290860 |

## 929/55PR
extension bars for ratchets 929/55

| L mm | Ø mm | Ø1 mm | | |
|---|---|---|---|---|
| **540** | 32 | 26 | 1 | 009290868 |

## 929/C8
8 hexagon sockets and 5 accessories

1"

| | | | | |
|---|---|---|---|---|
| **929/C8** | | | 1 | 009290925 |

| | | |
|---|---|---|
| | **929** | 46 - 50 - 55 - 60 - 65<br>70 - 75 - 80 mm |
| | **929/15** | □ 1" - ■ 3/4 |
| | **929/21** | 200 mm |
| | **929/22** | 400 mm |
| | **929/42** | |
| 72 | **929/55** | |

560x290x120 mm - 29 kg

## 900/R55
1/4"

48

| | | | |
|---|---|---|---|
| **900/R55**<br>666N/2-900/55 | 1 | 009000871 |

## 900/R55-Z
1/4"

72

| | | | |
|---|---|---|---|
| **900/R55-Z** | 1 | 009000872 |

## 900M/R55
1/4"

| | | | |
|---|---|---|---|
| **900M/R55**<br>900M/55 | 1 | 009000888 |

## 910/R55
3/8"

72

| | | | |
|---|---|---|---|
| **910/R55**<br>599DGT/6-606/6-606/10-612<br>665/6-665/10-665LB/6-665LB/10<br>666N/5-666N/10-666N LBF.IN/5-<br>666N LBF.IN/10<br>666/6-666/10-668RGC/6-<br>668RGC/10-910/55 | 1 | 009100879 |

## 910M/R55
3/8"

| | | | |
|---|---|---|---|
| **910M/R55**<br>910M/55-910M/56 | 1 | 009100888 |

## 910/R55Q
3/8"

48

| | | | |
|---|---|---|---|
| **910/R55Q**<br>910/55Q | 1 | 009100877 |

## 910/R55X

3/8" 10

**910/R55X** 1 009100897
666N/2X

## 920/R50

1/2" 12

**920/R50** 1 009200866
614/50-667/20-667/30
920/50

## 920/R55

1/2" 12

**920/R55** 1 009200879
606/20-606/30-666/20-666/30
920/55-920/56A- 599DGT/20-599DGT/30-599DGT-AN/20
665/20-665/30-665LB/20-665LB/30
666N/20-666N/30-666N LBF.IN/20-666N LBF.IN/30
668RGC/20

## 920M/R55

1/2"

**920M/R55** 1 009200888
920M/55-920M/56

## 920/R55Q

1/2" 10

**920/R55Q** 1 009200877
920/55Q

## 920/R55X

1/2" 12

**920/R55X** 1 009200878
606/10X-612X
666/10X-920/55X-599DGT/10X-599DGT-AN/10
665/10X-665LB/10X-666N10X-666N LBF.IN/10X
668RGC/10X

## 920/R55LC

1/2" 12

**920/R55LC** 1 009200887
920/55LC "Locking System"

## 928/R55

3/4" 12

**928/R55** 1 009280859
928/55

## 928/R55X

3/4" 12

**928/R55X** 1 009280858
614X

## 929/R55

1" 12

**929/R55** 1 009290859
929/55

## 930

double ended bi-hex tubular socket wrenches, heavy series

UNI 6745

| mm | L mm | Ø mm | Ø1 mm | | |
|---|---|---|---|---|---|
| ○6x7 | 100 | 9,5 | 11,0 | 3 | 009300006 |
| ○8x9 | 108 | 12,5 | 14,0 | 3 | 009300010 |
| 10x11 | 116 | 15,0 | 16,5 | 3 | 009300014 |
| 12x13 | 124 | 17,5 | 19,0 | 3 | 009300018 |
| 14x15 | 132 | 20,0 | 21,5 | 3 | 009300023 |
| 16x17 | 140 | 23,0 | 24,0 | 3 | 009300027 |
| 18x19 | 148 | 25,0 | 26,5 | 3 | 009300032 |
| 20x22 | 156 | 28,0 | 30,0 | 2 | 009300036 |
| 21x23 | 163 | 29,0 | 31,5 | 2 | 009300040 |
| 24x26 | 173 | 33,0 | 35,5 | 2 | 009300044 |
| 25x28 | 182 | 34,5 | 38,0 | 2 | 009300048 |
| 27x29 | 191 | 37,0 | 39,5 | 2 | 009300052 |
| 30x32 | 200 | 40,5 | 43,0 | 2 | 009300056 |

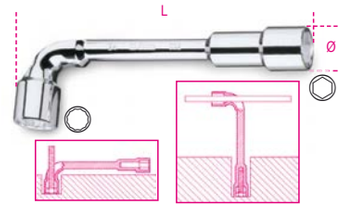
**930/S8** 1 009300081
6x7-8x9-10x11
12x13-14x15-16x17
18x19-20x22 mm
**940/1 - /2**

**930/S13** 1 009300083
6x7-8x9-10x11-12x13
14x15-16x17-18x19
20x22-21x23-24x26
25x28-27x29-30x32 mm
**940/1 - /2 - /3**

**930/C13** 1 009300098
6x7-8x9-10x11-12x13
14x15-16x17-18x19
20x22-21x23-24x26
25x28-27x29-30x32 mm
**940/1 - /2 - /3**

## 932

double ended hexagon / bi-hex offset socket wrenches, bright chrome-plated



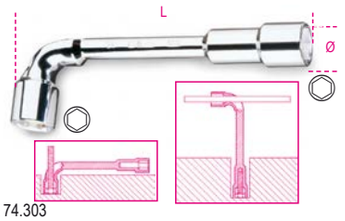

NF E 74.303

| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| 6x6 | 11,5 | 110 | 5 | 009320006 |
| 7x7 | 12,5 | 116 | 5 | 009320007 |
| 8x8 | 13,0 | 120 | 5 | 009320008 |
| 9x9 | 14,0 | 125 | 5 | 009320009 |
| 10x10 | 16,5 | 133 | 5 | 009320010 |
| 11x11 | 17,5 | 143 | 5 | 009320011 |
| 12x12 | 19,0 | 148 | 5 | 009320012 |
| 13x13 | 19,5 | 154 | 5 | 009320013 |
| 14x14 | 21,5 | 167 | 5 | 009320014 |
| 15x15 | 22,5 | 182 | 5 | 009320015 |
| 16x16 | 24,5 | 193 | 5 | 009320016 |
| 17x17 | 26,0 | 198 | 5 | 009320017 |
| 18x18 | 26,5 | 215 | 5 | 009320018 |
| 19x19 | 29,0 | 220 | 5 | 009320019 |
| 20x20 | 30,5 | 222 | 3 | 009320020 |
| 21x21 | 30,5 | 236 | 3 | 009320021 |
| 22x22 | 32,5 | 250 | 2 | 009320022 |
| 23x23 | 33,5 | 256 | 2 | 009320023 |
| 24x24 | 35,0 | 272 | 2 | 009320024 |
| 25x25 | 36,5 | 282 | 2 | 009320025 |
| 26x26 | 37,5 | 296 | 2 | 009320026 |
| 27x27 | 39,0 | 296 | 2 | 009320027 |
| 28x28 | 39,0 | 314 | 2 | 009320028 |
| 30x30 | 42,5 | 348 | 2 | 009320030 |
| 32x32 | 45,5 | 364 | 2 | 009320032 |

| | | |
|---|---|---|
| **932/S11**<br>6-7-8-10-11-12<br>13-14-17-19-22 mm | 1 | 009320080 |
| **932/S17**<br>6-7-8-9-10-11-12<br>13-14-15-16-17<br>18-19-20-21-22 mm | 1 | 009320081 |
| **932/S25**<br>6-7-8-9-10-11-12-13<br>14-15-16-17-18-19<br>20-21-22-23-24-25<br>26-27-28-30-32 mm | 1 | 009320082 |

## 933

double ended offset hexagon socket wrenches, bright chrome-plated




NF E 74.303

| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| **6x6** | 11,5 | 110 | 5 | 009330006 |
| **7x7** | 12,5 | 116 | 5 | 009330007 |
| **8x8** | 13,0 | 120 | 5 | 009330008 |
| **9x9** | 14,0 | 125 | 5 | 009330009 |
| **10x10** | 16,5 | 133 | 5 | 009330010 |
| **11x11** | 17,5 | 143 | 5 | 009330011 |
| **12x12** | 19,0 | 148 | 5 | 009330012 |
| **13x13** | 19,5 | 154 | 5 | 009330013 |
| **14x14** | 21,5 | 167 | 5 | 009330014 |
| **15x15** | 22,5 | 182 | 5 | 009330015 |
| **16x16** | 24,5 | 193 | 5 | 009330016 |
| **17x17** | 26,0 | 198 | 5 | 009330017 |
| **18x18** | 26,5 | 215 | 5 | 009330018 |
| **19x19** | 29,0 | 220 | 5 | 009330019 |
| **20x20** | 30,5 | 222 | 3 | 009330020 |
| **21x21** | 30,5 | 236 | 3 | 009330021 |
| **22x22** | 32,5 | 250 | 2 | 009330022 |
| **23x23** | 33,5 | 256 | 2 | 009330023 |
| **24x24** | 35,0 | 272 | 2 | 009330024 |
| **25x25** | 36,5 | 282 | 2 | 009330025 |
| **26x26** | 37,5 | 296 | 2 | 009330026 |
| **27x27** | 39,0 | 296 | 2 | 009330027 |
| **28x28** | 39,0 | 314 | 2 | 009330028 |
| **30x30** | 42,5 | 348 | 2 | 009330030 |
| **32x32** | 45,5 | 364 | 2 | 009330032 |

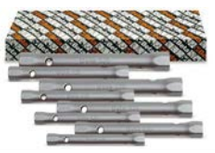
| | | |
|---|---|---|
| **933/S11**<br>6-7-8-10-11-12<br>13-14-17-19-22 mm | 1 | 009330080 |
| **933/S17**<br>6-7-8-9-10-11-12<br>13-14-15-16-17<br>18-19-20-21-22 mm | 1 | 009330081 |
| **933/S25**<br>6-7-8-9-10-11-12-13<br>14-15-16-17-18-19<br>20-21-22-23-24-25<br>26-27-28-30-32 mm | 1 | 009330082 |

## 935

double ended hexagon tubular socket wrenches, light series

UNI 6746 DIN 896

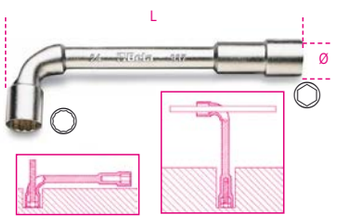
| mm | L mm | | |
|---|---|---|---|
| **6x7** | 100 | 5 | 009350105 |
| **8x9** | 110 | 5 | 009350111 |
| **10x11** | 120 | 5 | 009350115 |
| **12x13** | 130 | 5 | 009350117 |
| **14x15** | 140 | 5 | 009350126 |
| **16x17** | 150 | 5 | 009350128 |
| **18x19** | 160 | 5 | 009350131 |
| **20x22** | 170 | 3 | 009350138 |
| **21x23** | 180 | 3 | 009350141 |
| **24x26** | 190 | 3 | 009350144 |
| **25x28** | 200 | 2 | 009350150 |
| **27x29** | 210 | 2 | 009350153 |
| **30x32** | 220 | 2 | 009350156 |



| | | |
|---|---|---|
| **935/S8**<br>6x7-8x9-10x11<br>12x13-14x15-16x17<br>18x19-20x22 mm<br>**940/1 - /2** | 1 | 009350181 |
| **935/S13**<br>6x7-8x9-10x11<br>12x13-14x15-16x17<br>18x19-20x22-21x23<br>24x26-25x28-27x29<br>30x32 mm<br>**940/1 - /2 - /3** | 1 | 009350183 |

## 937

double ended hexagon / bi-hex socket wrenches, chrome-plated




| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| **6x6** | 11,5 | 110 | 5 | 009370006 |
| **7x7** | 12,5 | 116 | 5 | 009370007 |
| **8x8** | 13,0 | 120 | 5 | 009370008 |
| **9x9** | 14,0 | 125 | 5 | 009370009 |
| **10x10** | 16,5 | 133 | 5 | 009370010 |
| **11x11** | 17,5 | 143 | 5 | 009370011 |
| **12x12** | 19,0 | 148 | 5 | 009370012 |
| **13x13** | 19,5 | 154 | 5 | 009370013 |
| **14x14** | 21,5 | 167 | 5 | 009370014 |
| **15x15** | 22,5 | 182 | 5 | 009370015 |
| **16x16** | 24,5 | 193 | 5 | 009370016 |
| **17x17** | 26,0 | 198 | 5 | 009370017 |
| **18x18** | 26,5 | 215 | 5 | 009370018 |
| **19x19** | 29,0 | 220 | 5 | 009370019 |
| **20x20** | 30,5 | 222 | 3 | 009370020 |
| **21x21** | 30,5 | 236 | 3 | 009370021 |
| **22x22** | 32,5 | 250 | 2 | 009370022 |
| **23x23** | 33,5 | 256 | 2 | 009370023 |
| **24x24** | 35,0 | 272 | 2 | 009370024 |
| **25x25** | 36,5 | 282 | 2 | 009370025 |
| **26x26** | 37,5 | 296 | 2 | 009370026 |
| **27x27** | 39,0 | 296 | 2 | 009370027 |
| **28x28** | 39,0 | 314 | 2 | 009370028 |
| **30x30** | 42,5 | 348 | 2 | 009370030 |
| **32x32** | 45,5 | 364 | 2 | 009370032 |

| | | |
|---|---|---|
| **937/S11**<br>6-7-8-10-11-12<br>13-14-17-19-22 mm | 1 | 009370080 |
| **937/S17**<br>6-7-8-9-10-11-12<br>13-14-15-16-17<br>18-19-20-21-22 mm | 1 | 009370081 |

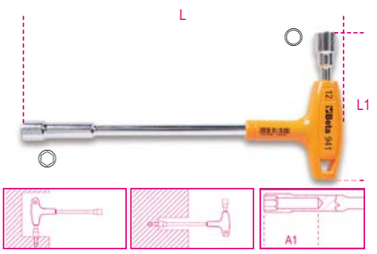
## 940

tommy bars for tubular wrenches items 930 and 935

| | mm | L mm | | |
|---|---|---|---|---|
| **940/1** | 6÷13 | 100 | 5 | 009400001 |
| **940/2** | 14÷22 | 170 | 5 | 009400002 |
| **940/3** | 21÷32 | 290 | 5 | 009400003 |

## 941

hexagon / bi-hex socket wrenches, with high torque handles

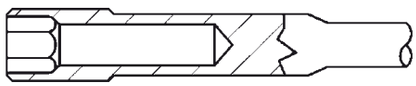



| mm | L mm | L1 mm | A1 mm | | |
|---|---|---|---|---|---|
| **7x7** | 200 | 91 | 35 | 2 | 009410107 |
| **8x8** | 220 | 107 | 50 | 2 | 009410108 |
| **9x9** | 220 | 109 | 50 | 2 | 009410109 |
| **10x10** | 236 | 111 | 50 | 2 | 009410110 |
| **11x11** | 236 | 114 | 50 | 2 | 009410111 |
| **12x12** | 255 | 122 | 50 | 2 | 009410112 |
| **13x13** | 255 | 124 | 55 | 2 | 009410113 |

| | | |
|---|---|---|
| **941/S7**<br>7-8-9-10-11-12-13 mm | 1 | 009410170 |

# NUT SPINNERS WITH HANDLES

Suitable for quick, repeated screwing operations. The reduced thickness of the hexagons allows access to small spaces.
The interior exhaust hole makes it easier to work on nuts with projecting threaded parts. This is the case, in particular with deep, hi-torque nut spinners 944BX and 949.



The triple marking on the head makes it easier to identify the required size.

The flexible blade of model 943FL, which is made up of a steel core protected by a sheath, allows torque transmission in case of misalignment with the screw.

## 942BX

hi-torque hexagon nut spinners
short series

UNI 6750

| mm | L mm | L1 mm | A1 mm | | |
|---|---|---|---|---|---|
| **4** | 190 | 70 | 13,0 | 5 | 009420003 |
| **5** | 190 | 70 | 14,0 | 5 | 009420004 |
| **5,5** | 190 | 70 | 12,5 | 5 | 009420005 |
| **6** | 190 | 70 | 14,5 | 5 | 009420006 |
| **7** | 190 | 70 | 15,5 | 5 | 009420007 |
| **8** | 202 | 70 | 18,5 | 5 | 009420008 |
| **9** | 202 | 70 | 19,5 | 5 | 009420009 |
| **10** | 202 | 70 | 20,5 | 3 | 009420010 |
| **11** | 202 | 70 | 21,5 | 3 | 009420011 |
| **12** | 202 | 70 | 22,5 | 3 | 009420012 |
| **13** | 202 | 70 | 23,5 | 3 | 009420013 |
| **14** | 202 | 70 | 24,5 | 3 | 009420014 |

**942BX/S12** 1 009420030
4-5-5,5-6-7-8-9
10-11-12-13-14 mm

## 943BX

hi-torque hexagon nut spinners
long series

ISO 2236 UNI 6750

| mm | L mm | L1 mm | A1 mm | | |
|---|---|---|---|---|---|
| **4** | 270 | 150 | 13,0 | 5 | 009430003 |
| **5** | 270 | 150 | 14,0 | 5 | 009430004 |
| **5,5** | 270 | 150 | 12,5 | 5 | 009430005 |
| **6** | 270 | 150 | 14,5 | 5 | 009430006 |
| **7** | 270 | 150 | 15,5 | 5 | 009430007 |
| **8** | 282 | 150 | 18,5 | 5 | 009430008 |
| **9** | 282 | 150 | 19,5 | 5 | 009430009 |
| **10** | 282 | 150 | 20,5 | 3 | 009430010 |
| **11** | 282 | 150 | 21,5 | 3 | 009430011 |
| **12** | 282 | 150 | 22,5 | 3 | 009430012 |
| **13** | 282 | 150 | 23,5 | 3 | 009430013 |
| **14** | 282 | 150 | 24,5 | 3 | 009430014 |

**943BX/S12** 1 009430030
4-5-5,5-6-7-8-9
10-11-12-13-14 mm

**943BX/D6** 1 009430026
5-6-7-8-10-13 mm

## 943FL

flexible hexagon nut spinners
with handles

| mm | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **5** | 265 | 150 | 8 | 2 | 009430304 |
| **5,5** | 265 | 150 | 8 | 2 | 009430305 |
| **6** | 265 | 150 | 9 | 2 | 009430306 |
| **7** | 265 | 150 | 11 | 2 | 009430307 |
| **8** | 265 | 150 | 12 | 2 | 009430308 |
| **10** | 290 | 175 | 14 | 2 | 009430310 |

**943FL/S6** 1 009430320
5-5,5-6-7-8-10 mm

## 944BX

deep, hi-torque hexagon nut spinners
long series

ISO 2236 UNI 6750

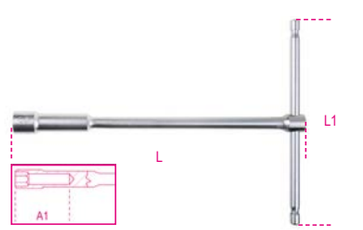
| mm | L mm | L1 mm | A1 mm | | |
|---|---|---|---|---|---|
| **4** | 245 | 125 | 20 | 3 | 009440003 |
| **5** | 245 | 125 | 25 | 3 | 009440004 |
| **5,5** | 245 | 125 | 30 | 3 | 009440005 |
| **6** | 245 | 125 | 35 | 3 | 009440006 |
| **7** | 245 | 125 | 35 | 3 | 009440007 |
| **8** | 257 | 125 | 50 | 3 | 009440008 |
| **9** | 257 | 125 | 50 | 3 | 009440009 |
| **10** | 257 | 125 | 50 | 3 | 009440010 |
| **11** | 257 | 125 | 50 | 3 | 009440011 |
| **12** | 257 | 125 | 50 | 3 | 009440012 |
| **13** | 257 | 125 | 55 | 3 | 009440013 |
| **14** | 257 | 125 | 55 | 3 | 009440014 |

**944BX/S12** 1 009440062
4-5-5,5-6-7-8-9
10-11-12-13-14 mm

**944BX/D6** 1 009440056
5-6-7-8-10-13 mm

## 949

deep T-handle socket wrenches

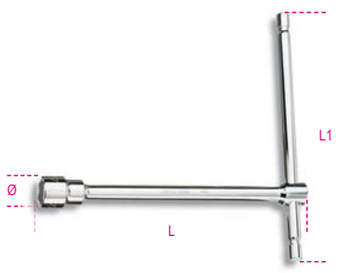



| mm | L mm | L1 mm | A1 mm | | |
|---|---|---|---|---|---|
| **8** | 220 | 160 | 50 | 2 | 009490008 |
| **10** | 230 | 160 | 50 | 2 | 009490010 |
| **12** | 240 | 175 | 50 | 2 | 009490012 |
| **13** | 244 | 175 | 55 | 2 | 009490013 |
| **14** | 250 | 190 | 55 | 2 | 009490014 |
| **17** | 264 | 200 | 60 | 2 | 009490017 |

| | | |
|---|---|---|
| **949/S6**<br>8-10-12-13-14-17mm | 1 | 009490076 |

## 950

T-handle hexagon socket wrenches




UNI 6742 DIN 3112

| mm | L mm | Ø mm | L1 mm | | |
|---|---|---|---|---|---|
| **6** | 210 | 10,1 | 145 | 3 | 009500006 |
| **7** | 212 | 11,2 | 145 | 3 | 009500007 |
| **8** | 220 | 12,4 | 160 | 3 | 009500008 |
| **9** | 223 | 13,5 | 160 | 3 | 009500009 |
| **10** | 230 | 14,9 | 160 | 3 | 009500010 |
| **11** | 233 | 16,1 | 160 | 3 | 009500011 |
| **12** | 240 | 17,5 | 175 | 3 | 009500012 |
| **13** | 244 | 19,7 | 175 | 3 | 009500013 |
| **14** | 250 | 20,1 | 190 | 3 | 009500014 |
| **15** | 254 | 21,5 | 190 | 3 | 009500015 |
| **16** | 260 | 22,7 | 200 | 3 | 009500016 |
| **17** | 264 | 24,1 | 200 | 3 | 009500017 |
| **19** | 274 | 26,6 | 230 | 3 | 009500019 |
| **22** | 290 | 29,9 | 290 | 2 | 009500022 |
| **24** | 300 | 32,2 | 320 | 2 | 009500024 |
| **27** | 315 | 36,2 | 370 | 2 | 009500027 |

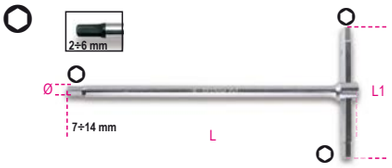
| | | |
|---|---|---|
| **950/S9**<br>7-8-10-11-12<br>13-14-17-19 mm | 1 | 009500079 |
| **950/S14**<br>6-7-8-9-10-11-12-13<br>14-15-16-17-19-22 mm | 1 | 009500082 |

## 951 T-HANDLE WRENCHES WITH THREE HEXAGON MALE ENDS

When this wrench was launched, back in 1980, it was a revolution.
Designed to work on high-resistance screws, it is the name for quick handling, accurate fit and flexible use.
The hexagon T handle can be adjusted as required.
The hexagon ends are designed to transmit the maximum possible torque to the screw.
The rod length allows remarkable torques to be effortlessly applied to the screws.
Ongoing production improvements have translated, for example, into sandblasted finishes and sharp-edged hexagon ends which allow a better fit onto any screws, including damaged ones.
Laser marking results in a sturdier rod.

## 951

T-handle wrenches with three hexagon male ends



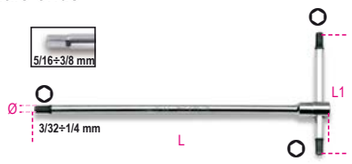

| mm | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **2** | 125 | 63 | 4,0 | 5 | 009510521 |
| **2,5** | 150 | 63 | 4,0 | 5 | 009510525 |
| **3** | 150 | 63 | 4,0 | 5 | 009510530 |
| **3,5** | 175 | 76 | 5,5 | 5 | 009510535 |
| **4** | 175 | 76 | 5,5 | 5 | 009510540 |
| **4,5** | 195 | 87 | 6,5 | 5 | 009510545 |
| **5** | 195 | 87 | 6,5 | 5 | 009510550 |
| **6** | 215 | 99 | 8,0 | 5 | 009510560 |
| **7** | 230 | 109 | 9,0 | 5 | 009510570 |
| **8** | 250 | 122 | 10,0 | 5 | 009510580 |
| **9** | 265 | 132 | 11,0 | 5 | 009510590 |
| **10** | 280 | 142 | 12,0 | 5 | 009510610 |
| **12** | 305 | 160 | 15,0 | 3 | 009510620 |
| **14** | 330 | 178 | 17,0 | 3 | 009510640 |

| | | |
|---|---|---|
| **951/S6**<br>2,5-3-4-5-6-8 mm | 1 | 009510687 |
| **951/S8**<br>2-2,5-3-3,5-4-4,5-5-6 mm | 1 | 009510693 |
| **951/S14**<br>2-2,5-3-3,5-4-4,5<br>5-6-7-8-9-10-12-14 mm | 1 | 009510695 |

| | | |
|---|---|---|
| **951/SP6**<br>3-4-5-6-8-10 mm | 1 | 009510696 |
| **951/SPV** | 1 | 009510697 |

## 951AS

T-handle wrenches with three hexagon male ends




| " | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **3/32** | 125 | 63 | 4,0 | 2 | 009510750 |
| **7/64** | 150 | 63 | 4,0 | 2 | 009510751 |
| **1/8** | 150 | 63 | 4,0 | 2 | 009510752 |
| **9/64** | 175 | 76 | 5,5 | 2 | 009510753 |
| **5/32** | 175 | 76 | 5,5 | 2 | 009510754 |
| **3/16** | 195 | 86 | 6,5 | 2 | 009510755 |
| **7/32** | 215 | 99 | 8,0 | 2 | 009510757 |
| **1/4** | 230 | 109 | 9,0 | 2 | 009510758 |
| **5/16** | 250 | 122 | 10,0 | 2 | 009510759 |
| **3/8** | 280 | 142 | 12,0 | 2 | 009510760 |

**951AS/S6X** 1 009510771
1/8-3/16-7/32-1/4-5/16-3/8

## 951TX

T-handle wrenches with three male ends for Torx® head screws

| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **T6** | 125 | 63 | 4 | 3 | 009510806 |
| **T7** | 125 | 63 | 4 | 3 | 009510807 |
| **T8** | 125 | 63 | 4 | 3 | 009510808 |
| **T9** | 125 | 63 | 4 | 3 | 009510809 |
| **T10** | 150 | 63 | 4 | 3 | 009510810 |
| **T15** | 150 | 63 | 4 | 3 | 009510815 |
| **T20** | 175 | 76 | 5 | 3 | 009510820 |
| **T25** | 175 | 76 | 5 | 3 | 009510825 |
| **T27** | 195 | 87 | 6 | 3 | 009510827 |
| **T30** | 195 | 87 | 6 | 3 | 009510830 |
| **T40** | 215 | 99 | 7 | 3 | 009510840 |
| **T45** | 230 | 109 | 8 | 3 | 009510845 |
| **T50** | 250 | 122 | 9 | 3 | 009510850 |

**951TX/S6** 1 009510866
T8-T10-T15-T20-T25-T30

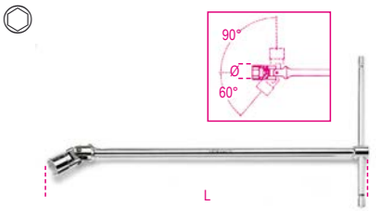
**951TX/S13** 1 009510863
T6-T7-T8-T9-T10-T15-T20-T25
T27-T30-T40-T45-T50

## 952 T-HANDLE WRENCHES WITH SWIVELLING HEXAGON SOCKETS

Reliable, precise pre-positioning is the secret for the success of this wrench.
The articulated joint maintains its function over the years, no adjustment being required.
Socket rotation angle: 60°.
Can be used at 90° in fixed position.
Sliding T-handle, can be stopped in the required position throughout its length.
Triple size marking on head.

## 952

T-handle wrenches with swivelling hexagon sockets




UNI 6743

| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| **6** | 9,5 | 395 | 5 | 009520006 |
| **7** | 10,7 | 395 | 5 | 009520007 |
| **8** | 12,1 | 395 | 5 | 009520008 |
| **9** | 13,2 | 395 | 5 | 009520009 |
| **10** | 14,6 | 400 | 5 | 009520010 |
| **11** | 15,8 | 400 | 5 | 009520011 |
| **12** | 17,0 | 400 | 5 | 009520012 |
| **13** | 18,7 | 432 | 5 | 009520013 |
| **14** | 19,7 | 432 | 5 | 009520014 |
| **15** | 20,9 | 450 | 3 | 009520015 |
| **16** | 22,0 | 450 | 3 | 009520016 |
| **17** | 23,4 | 450 | 3 | 009520017 |
| **18** | 24,7 | 450 | 3 | 009520018 |
| **19** | 26,0 | 500 | 3 | 009520019 |
| **20** | 27,4 | 500 | 3 | 009520020 |
| **21** | 28,5 | 500 | 3 | 009520021 |
| **22** | 29,7 | 500 | 3 | 009520022 |
| **24** | 32,4 | 500 | 3 | 009520024 |

**952/S7** 1 009520074
8-10-11-13-14-17-19 mm

**952/S10** 1 009520080
7-8-10-11-12-13-
14-15-17-19 mm

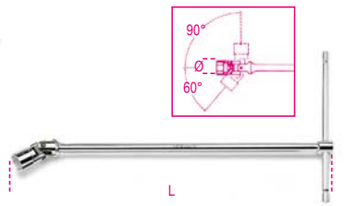
**952/S18** 1 009520083
6-7-8-9-10-11-12
13-14-15-16-17
18-19-20-21-22-24 mm

## 852

**852** 76,82

## 952AS

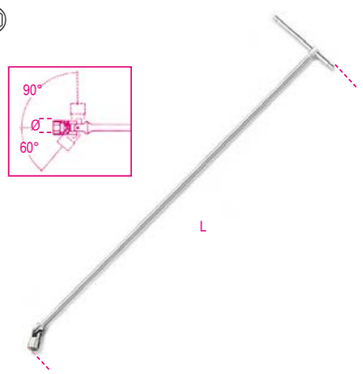
T-handle wrenches with swivelling hexagon sockets




| " | Ø mm | L mm | | |
|---|---|---|---|---|
| **1/4** | 9,5 | 395 | 2 | 009520256 |
| **5/16** | 12,1 | 395 | 2 | 009520258 |
| **3/8** | 14,6 | 400 | 2 | 009520260 |
| **7/16** | 15,8 | 400 | 2 | 009520261 |
| **1/2** | 18,7 | 432 | 2 | 009520263 |
| **9/16** | 19,7 | 432 | 2 | 009520264 |
| **5/8** | 22,0 | 450 | 2 | 009520266 |
| **11/16** | 23,4 | 450 | 2 | 009520267 |
| **3/4** | 26,0 | 500 | 2 | 009520269 |

## 952L

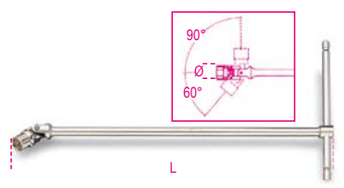
T-handle wrenches with swivelling hexagon sockets, long series




| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| **10** | 14,6 | 930 | 1 | 009520410 |
| **12** | 17,0 | 1063 | 1 | 009520412 |
| **13** | 18,7 | 1100 | 1 | 009520413 |
| **14** | 19,7 | 1100 | 1 | 009520414 |
| **15** | 20,9 | 1100 | 1 | 009520415 |
| **16** | 22,0 | 1100 | 1 | 009520416 |
| **17** | 23,4 | 1100 | 1 | 009520417 |
| **18** | 24,7 | 1100 | 1 | 009520418 |
| **19** | 26,0 | 1100 | 1 | 009520419 |

## 952FTX

T-handle wrenches with swivelling socket, for Torx® head screws

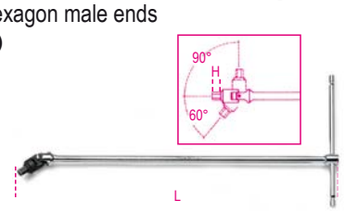



| | Ø mm | L mm | | |
|---|---|---|---|---|
| **E6** | 8 | 392 | 2 | 009520106 |
| **E7** | 9 | 392 | 2 | 009520107 |
| **E8** | 10 | 395 | 2 | 009520108 |
| **E10** | 13 | 400 | 2 | 009520110 |
| **E12** | 15 | 440 | 2 | 009520112 |
| **E14** | 17 | 490 | 2 | 009520114 |
| **E16** | 19 | 490 | 2 | 009520116 |
| **E18** | 21 | 490 | 2 | 009520118 |
| **E20** | 23 | 490 | 2 | 009520120 |

**952FTX/S9** — 1 — 009520141
E6-E7-E8-E10-E12
E14-E16-E18-E20

## 953

T-handle wrenches with swivelling hexagon male ends




UNI 6754

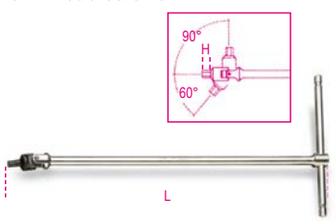
| mm | H mm | L mm | | |
|---|---|---|---|---|
| **3** | 5 | 395 | 5 | 009530130 |
| **3,5** | 6 | 395 | 3 | 009530135 |
| **4** | 6 | 395 | 5 | 009530140 |
| **4,5** | 7 | 395 | 3 | 009530145 |
| **5** | 7 | 395 | 5 | 009530150 |
| **6** | 9 | 400 | 5 | 009530160 |
| **7** | 10 | 425 | 3 | 009530170 |
| **8** | 11 | 425 | 5 | 009530180 |
| **10** | 13 | 440 | 5 | 009530200 |

**953/S5** — 1 — 009530305
3-4-5-6-8 mm

**953/S9** — 1 — 009530301
3-3,5-4-4,5
5-6-7-8-10 mm

## 953TX

T-handle wrenches with swivelling end for Torx® head screws




| | H mm | L mm | | |
|---|---|---|---|---|
| **T20** | 11 | 396 | 2 | 009530020 |
| **T25** | 11 | 396 | 2 | 009530025 |
| **T27** | 11 | 396 | 2 | 009530027 |
| **T30** | 13 | 400 | 2 | 009530030 |
| **T40** | 13 | 400 | 2 | 009530040 |
| **T45** | 13 | 426 | 2 | 009530045 |
| **T50** | 14 | 442 | 2 | 009530050 |
| **T55** | 14 | 442 | 2 | 009530055 |

**953TX/S8** — 1 — 009530060
T20-T25-T27-T30
T40-T45-T50-T55

## VEHICLE REPAIR

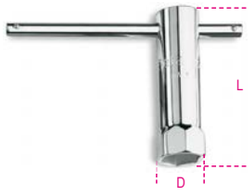
Our vehicle repair tools, which are used by the most demanding professionals, are developed and manufactured to meet the world's highest standards, and regularly tested under the most stressful operating conditions.

For over 50 years, we have been proudly working hand in hand with the greatest champions, who help us improve our products non-stop and provide testimony to the highest quality standard.

### The vehicle repair tools are found in these sections:


| | |
|---|---|
| **Diagnostics** | |
| | items 1438 to 1499<br>items 1758VT to 1760TMC |
| **Engine** | |
| | items 955 to 989A<br>items 1438 to 1499 |
| **Oil and filters** | |
| | items 1438 to 1499<br>items 1877 to 1885 |
| **Electric system** | |
| | items 1438 to 1499 |
| **Transmission** | |
| | items 1438 to 1499 |
| **Suspension** | |
| | items 1549 to 1569CP |
| **Brakes** | |
| | items 1438 to 1499 |
| **Wheels** | |
| | items 955 to 989A |
| **Body work** | |
| | items 1302 to 1369<br>items 1763 to 1767A |
| **Other equipment** | |
| | items 1878 to 3067 |

## 955
tubular spark-plug wrench
chrome-plated, hexagon end




| mm - " | D mm | L mm | | |
|---|---|---|---|---|
| **16 5/8** | 21 | 86 | 3 | 009550016 |
| **20,8 13/16** | 29 | 86 | 3 | 009550021 |

## 956C
1/2" square drive spark plug sockets
chrome-plated, hexagon ends

ISO 11168

| mm - " | Ø mm | L mm | | |
|---|---|---|---|---|
| **14 9/16** | 18,8 | 70 | 3 | 009560008 |
| **16 5/8** | 21,4 | 70 | 3 | 009560010 |
| **17,8 11/16** | 23,6 | 70 | 3 | 009560011 |
| **20,8 13/16** | 27,0 | 70 | 3 | 009560012 |

## 956E
3/8" square drive spark plug sockets
chrome-plated, hexagon ends

ISO 11168

| mm - " | Ø mm | L mm | | |
|---|---|---|---|---|
| **14 9/16** | 18,8 | 70 | 3 | 009560018 |
| **16 5/8** | 21,4 | 70 | 3 | 009560020 |
| **17,8 11/16** | 23,6 | 70 | 3 | 009560021 |
| **20,8 13/16** | 27,0 | 70 | 3 | 009560022 |

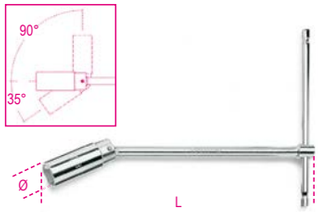
## 956F
3/8" square drive spark plug sockets

| mm -" | Ø mm | L mm | | |
|---|---|---|---|---|
| **14 9/16** | 18,8 | 70 | 1 | 009560114 |
| **16 5/8** | 20,5 | 70 | 1 | 009560116 |

## 956L
1/2" square drive spark plug sockets,
bi-hex ends, long series

| mm - " | Ø mm | L mm | | |
|---|---|---|---|---|
| **14 9/16** | 20,2 | 250 | 2 | 009560214 |
| **16 5/8** | 24,0 | 250 | 2 | 009560216 |
| **17,8 11/16** | 24,0 | 250 | 2 | 009560217 |
| **20,8 13/16** | 28,5 | 250 | 2 | 009560221 |

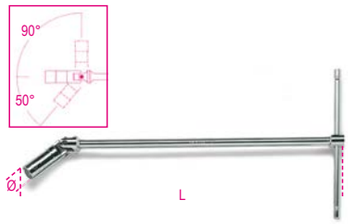
## 957
T-handle spark plug wrenches
with swivelling sockets




ISO 11168

| mm - " | Ø mm | L mm | | |
|---|---|---|---|---|
| **16 5/8** | 21,4 | 275 | 3 | 009570000 |
| **20,8 13/16** | 27,0 | 275 | 3 | 009570001 |

## 959
T-handle spark plug wrenches
with swivelling sockets, standard series



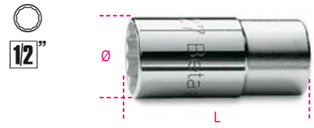

ISO 11168

| mm - " | Ø mm | L mm | | |
|---|---|---|---|---|
| **14 9/16** | 18,8 | 483 | 3 | 009590009 |
| **16 5/8** | 21,4 | 483 | 3 | 009590010 |
| **20,8 13/16** | 27,0 | 527 | 3 | 009590011 |

## 959R
rubber inset and spare spring
for items 956C - 956E - 957 - 959

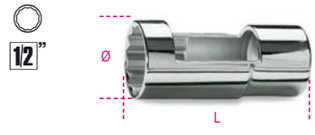
| | | |
|---|---|---|
| **959R/14**<br>956C/14-956E/14 | 3 | 009590223 |
| **959R/16**<br>956C/16-956E/16<br>957/16-959/16 | 3 | 009590224 |
| **959R/17,8**<br>956C/17,8-956E/17,8 | 3 | 009590225 |
| **959R/20,8**<br>956C/20,8-956E/20,8<br>957/20,8-959/20,8-959L | 3 | 009590226 |

## 960
1/2" square drive socket
for Diesel engine injectors




| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| **27** | 36,5 | 77 | 2 | 009600027 |

## 960A
1/2" square drive socket
for Diesel engine injectors




| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| **27** | 36,5 | 77 | 2 | 009600017 |

## 960BC/C5

set of 5 sockets
for injector electric connection

**set contents:**
- 1 open hexagon socket, 25 mm
- 1 open hexagon socket, 27 mm
- 1 open hexagon socket, 29 mm
- 1 open hexagon socket, 30 mm
- 1 bi-hex socket, 28 mm

1/2" 22 mm

| | | |
|---|---|---|
| 960BC/C5 | 1 | 009600280 |

280x160x55 mm - 1,9 kg

## 960BC

open-end hexagon sockets
for injector electrical connections

1/2"

22 mm

| mm | | |
|---|---|---|
| 25 | 1 | 009600285 |
| 27 | 1 | 009600287 |
| 29 | 1 | 009600289 |
| 30 | 1 | 009600290 |

## 960BC/P 28

bi-hex socket
for injector electrical connections

1/2"

22 mm

| mm | | |
|---|---|---|
| 28 | 1 | 009600288 |

## 960BT/B

sockets for injector electrical connections

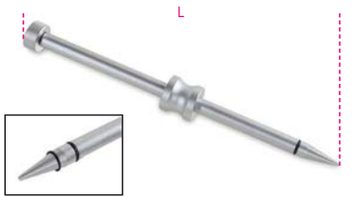
1/2"

| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| 29 | 38,5 | 77 | 1 | 009600128 |

## 960ER

slide hammer for injector washers

stepped drill bit




| L mm | | |
|---|---|---|
| 350 | 1 | 009600726 |

## 960F

socket for nozzle holder ring nuts

| Ø mm | Ø1 mm | 1 mm | 2 mm | | |
|---|---|---|---|---|---|
| 28,3 | 22 | 32 | 22 | 1 | 009600148 |

## 960G

socket for Diesel engine injectors
of Mercedes-Benz trucks

| Ø mm | Ø1 mm | mm | L mm | | |
|---|---|---|---|---|---|
| 28,5 | 22 | 32 | 122 | 1 | 009600151 |

## 960L

socket
for nozzle holder ring nuts

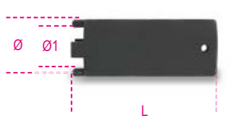
1/2"

| Ø mm | Ø1 mm | L mm | | |
|---|---|---|---|---|
| 30 | 22 | 122 | 1 | 009600153 |

## 960M

socket
for nozzle holder ring nuts

1/2"




| Ø mm | Ø1 mm | L mm | | |
|---|---|---|---|---|
| 28,5 | 22 | 72 | 1 | 009600154 |

## 960H/C4

set of sockets for nozzle holder ring nuts

| | | |
|---|---|---|
| 960H/C4 | 1 | 009600152 |

## 960S

1/2" square drive socket
for Diesel engine injectors

1/2"

| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| 22 | 30 | 82 | 1 | 009600022 |

## 960SL

sockets for Lambda probes
with 1/2" female square drives

1/2"

| | Ø mm | | |
|---|---|---|---|
| 960SL85<br>⬡ 22xL= 85 mm | 33 | 2 | 009600085 |
| 960SL110<br>⬡ 22xL= 110 mm | 33 | 2 | 009600110 |

## 960SN

Diesel engine glow plug wrenches

1/4"
3/8"

| mm | Ø mm | □ mm | L mm | | |
|---|---|---|---|---|---|
| 8 | 12,0 | 1/4 | 60 | 2 | 009600834 |
| 9 | 13,3 | 1/4 | 60 | 2 | 009600835 |
| 10 | 14,5 | 3/8 | 70 | 2 | 009600836 |
| 11 | 15,8 | 3/8 | 70 | 2 | 009600837 |
| 12 | 17,0 | 3/8 | 70 | 2 | 009600838 |

## 960T/C11

assortment of sockets for removing/installing sensors

**Kit contents:**

- 1 double ended hexagon socket, size 1" - 11/16" for oil pressure sensors
- 1 open end hexagon socket, 29 mm, for oxygen sensors
- 1 open end bi-hex socket, 27 mm, for injectors
- 1 open end hexagon socket, 22 mm, for vacuostats
- 1 open end hexagon socket, 22 mm, 80 mm long, for oxygen sensors
- 1 open end hexagon socket, 22 mm, 90 mm long, for oxygen sensors
- 1 open end hexagon socket, 22 mm, compact, 30 mm long, for oxygen sensors
- 1 open end hexagon socket, 22 mm, compact, 50 mm long, for oxygen sensors
- 1 open end hexagon and bi-hex socket, 22 mm, compact, 34 mm long, for oxygen sensors
- 1 open end hexagon socket, 22 mm, tube-shaped
- 1 tap M18x1.5

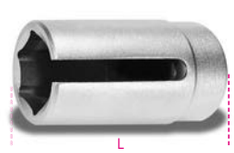
⬡ 22 - 29 mm

| | | |
|---|---|---|
| 960T/C11 | 1 | 009600031 |

330x270x25 mm

## 960T/A

open end hexagon socket, 29 mm, for oxygen sensors



| mm | L mm | | |
|---|---|---|---|
| 29 | 90 | 1 | 009600032 |

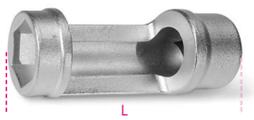
## 960T/B

open end bi-hex socket, 27 mm, for injectors

| mm | L mm | | |
|---|---|---|---|
| 27 | 85 | 1 | 009600033 |

## 960T/C

open end hexagon socket, 22 mm, for vacuostats



| mm | L mm | | |
|---|---|---|---|
| 22 | 88 | 1 | 009600034 |

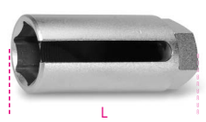
## 960T/D

open end hexagon socket, 22 mm, 90 mm long, for oxygen sensors

| mm | ● mm | L mm | | |
|---|---|---|---|---|
| 22 | 25 | 90 | 1 | 009600035 |

## 960T/E

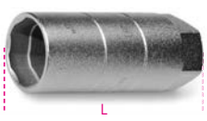
open end hexagon socket, 22 mm, 80 mm long, for oxygen sensors



| mm | ● mm | L mm | | |
|---|---|---|---|---|
| 22 | 25 | 80 | 1 | 009600036 |

## 960T/F

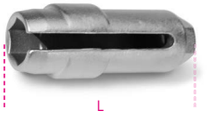
double ended hexagon socket, size 1" - 1 1/16", for oil pressure sensors



| " | ● mm | L mm | | |
|---|---|---|---|---|
| 1 - 1 1/16 | 28 | 74 | 1 | 009600037 |

## 960T/G

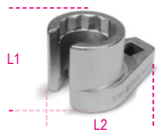
open end hexagon socket, 22 mm, tube-shaped



| mm | ● mm | L mm | | |
|---|---|---|---|---|
| 22 | 25 | 98 | 1 | 009600038 |

## 960T/H

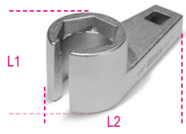
open end hexagon and bi-hex socket, 22 mm, compact, 34 mm long, for oxygen sensors



| mm | L1 mm | L2 mm | | |
|---|---|---|---|---|
| 22 | 34 | 55 | 1 | 009600039 |

## 960T/I

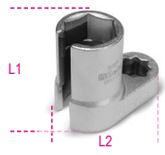
open end socket, 22 mm, compact, 30 mm long, for oxygen sensors



| mm | L1 mm | L2 mm | | |
|---|---|---|---|---|
| 22 | 30 | 81 | 1 | 009600040 |

## 960T/L

open end socket, 22 mm, compact, 50 mm long, for oxygen sensors



| mm | L1 mm | L2 mm | | |
|---|---|---|---|---|
| 22 | 50 | 58 | 1 | 009600041 |

## 960T/M

tap M18x1.5

| mm | ● mm | L mm | | |
|---|---|---|---|---|
| 21 | 50 | | 1 | 009600042 |

## 960/22EP

double head swivel socket wrench
for Lambda probes

**Double hexagon/bi-hex and 180° joint result in remarkable versatility**

| L mm | ○ mm | ○ mm | | |
|---|---|---|---|---|
| 300 | 22 | 22 | 1 | 009600052 |

## 960/C6

3/8" female drive hexagon sockets
for removing/installing exhaust gas
temperature sensors

**Kit contents:**
- **3 short sizes, 13, 14, 17 mm**
- **3 long sizes, 13, 14, 17 mm**

| | | |
|---|---|---|
| 960/C6 | 1 | 009600055 |

170x120x50 mm

## 960/D

open hexagon wrenches, long series, for
removing/installing exhaust gas temperature
sensors

| mm | | |
|---|---|---|
| 13 | 1 | 009600073 |
| 14 | 1 | 009600074 |
| 17 | 1 | 009600077 |

## 960YP

open offset hexagon wrenches
for removing/installing exhaust gas
temperature sensors

| mm | | |
|---|---|---|
| 13 | 1 | 009600063 |
| 14 | 1 | 009600064 |
| 17 | 1 | 009600067 |

## 960AVE

device for testing common rail diesel electrical
injectors

| | | |
|---|---|---|
| 960AVE | 1 | 009600245 |

430x310x50 mm - 2,0 kg

## 960CMB

instrument for controlling compression on
petrol engines

| Bar | | |
|---|---|---|
| 4÷17 | 1 | 009600250 |

440x370x100 mm - 2,2 kg

## 960CMB/R2

spare cards for item 960CMB

| | | |
|---|---|---|
| 960CMB/R2 | 1 | 009600252 |

## 960CMD

instrument for controlling compression
on Diesel engines

| Bar | | |
|---|---|---|
| 8÷40 | 1 | 009600270 |

440x370x100 mm - 2,4 kg

## 960CMD/R1

spare cards for item 960CMD

| | | |
|---|---|---|
| 960CMD/R1 | 1 | 009600271 |

## 960EPC

set of tools for removing glow plug electrode

**M8x1 - M9x1 - M10x1 - M10x1,25**

| | | |
|---|---|---|
| 960EPC | 1 | 009600790 |

270x230x80 mm - 900 g

## 960EPC/L

set of tools for removing glow plug electrode face

**M8x1 - M9x1 - M10x1 - M10x1.25**

**960EPC/L** 1 009600890

270x230x80 mm - 2 kg

## 960E-PI/P

injector washer extractor

**• Male thread M10 for use with sliding hammer (Beta 1540)**

**960E-PI/P** 1 009600706

300x90x60 mm

## 960KC-M8/M9/M10

assortment of tools for removing broken or damaged glow plugs

**• For spark plugs with threads M8-M9-M10**

**960KC-M8/9/10** 1 009600801

380x290x50 mm - 2,3 kg

## 960KPC

reversible impulse extractor with adjustable torque for glow plugs

**Torque can be adjusted in 4 positions: 10-20-30-40 Nm**

1/4" CE

**960KPC** 1 009600780

8-9-10-11-12 mm

420x185x60 mm - 2,8 kg

## 960UC

tool set for removing stuck M8-M9-M10 glow plugs with deformed tips

**960UC** 1 009600900

270x230x80 mm - 2,6 kg

## 960P

pressure/depressure tester with accessories and adaptors

**960P** 1 009600777

350x320x95 mm - 1,9 kg

## 960PI

assortment of reamers for cleaning injector seats in plastic case

**For removing residues from injector seats**
**- Flat reamer, Ø 19 - 15 mm, for universal injectors**
**- Flat reamer, Ø 17 - 17 mm, for Delphi/Bosch injectors (BMW/PSA/Renault/Ford)**
**- Flat reamer, Ø 19 - 17 mm, for Bosch injectors (Mercedes CDI).**
**- Angled reamer, Ø 21 - 17 mm, for Fiat/Iveco injectors.**
**- Handle**

**960PI** 1 009600215

250x130x50 mm - 600 g

## 960PI/C19

assortment of 19 tools for cleaning injector seats

Kit contents:
• 11 flat reamers, Ø:
14/14 mm - 15.5/15.5 mm - 15/19 mm - 17/19 mm - 17/17.5 mm
17/19 mm - 17/19.5 mm - 17/20 mm - 18/21 mm - 19 mm - 20/21 mm
• 4 angled reamers, Ø:
15.5/15.5 mm - 17/17 mm - 17.5/20.5 mm - 17/21 mm
• Handle and cutter accessories

**960PI/C19** 1 009600217

360x230x60 mm

## 960PI/S

kit for cleaning injector seats

Kit contents:
• 3 steel brushes, Ø 18, 22, 25 mm, for cleaning injector seats
• 2 brushes, Ø 14 and 16 mm, for cleaning injector seat bottoms
• 6 caps for closing hole connecting with combustion chamber
• 1 brush for cleaning hole connecting with combustion chamber
• 1 flexible bit holder with handle

(14)

**960PI/S** 1 009600214

360x140x50 mm - 700 g

## 960RPI
blowing tool for injectors seat cleaning

**for M8x1 - M9x1 - M10x1 - M10x1.25 glow plugs**

| | | |
|---|---|---|
| **960RPI** | 1 | 009600940 |

## 960PMC
diesel injector test and calibrating hand pump

| Bar Max. | | |
|---|---|---|
| **600** | 1 | 009600200 |

## 960AVL
vapour extractor

| Bar Max. | | |
|---|---|---|
| **6** | 1 | 009600210 |

## 961P6
electronic videoscope with flexible probe

- Supports SD cards (8 GB)
- Supports flash memories (8 GB)
- Internal memory: 128M
- TV-OUT feature
- Supports video formats (MP4, AVI, 3GP)
- 4 LEDs
- Power supplied by USB port (built-in battery)

**SPECIFICATIONS**
- Sensor pixels: 640x480
- Maximum resolution: 320x240
- Probe length: 1 m
- Camera diameter: 6 mm
- Video formats: MPEG4, 3GP, AVI,ASF.
- Photo formats: JPEG
- Shooting angle: 0÷180°
- Data output: USB cable and SD card
- Power supply: 3.7V 2000 mAh battery

| | | |
|---|---|---|
| **961P6** | 1 | 009610000 |

## 961P6/S
flexible probes, 6 mm

| | L mm | | |
|---|---|---|---|
| **961P6/S1** | 1000 | 1 | 009610006 |
| **961P6/S2** | 2000 | 1 | 009610262 |
| **961P6/S3** | 3000 | 1 | 009610263 |

## 962
tyre levers

| L mm | A mm | | |
|---|---|---|---|
| **300** | 21 | 5 | 009620003 |
| **400** | 25 | 5 | 009620004 |
| **500** | 27 | 3 | 009620005 |
| **600** | 27 | 3 | 009620006 |

## 962C

| | |
|---|---|
| **962C** | 272 |

## 962P
tyre levers with non-scratch rubber protection

| L mm | A mm | | |
|---|---|---|---|
| **490** | 25 | 1 | 009620049 |

## 962M
tyre removal/installation tool

particularly recommended for runfalt tyres and lower shoulder models

- **non-scratch rim locking jaws**
- **tyre removal lever seat**

| | | |
|---|---|---|
| **962M** | 1 | 009620501 |

## 963
pry bar with pointed and flat bent ends

| L mm | A mm | | |
|---|---|---|---|
| **400** | 23 | 5 | 009630001 |

## 964
pry bar with pointed and leverage ends

| L mm | A mm | | |
|---|---|---|---|
| 400 | 46 | 5 | 009640001 |

## 965
pry bars with flat curved ends

| L mm | A mm | L1 mm | | |
|---|---|---|---|---|
| 300 | 16 | 185 | 2 | 009650013 |
| 450 | 20 | 312 | 2 | 009650014 |
| 600 | 20 | 462 | 2 | 009650016 |

| | | |
|---|---|---|
| 965/S3 | 1 | 009650019 |

## 966/C3
set of 3 levers with articulated, flat, curved heads

| | | |
|---|---|---|
| 966/C3<br>L=200-250-300 mm | 1 | 009660103 |

355x140x65 mm - 1,8 kg

## 720LS
impact sockets, long, slim series

UNI/ISO 2725

| | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 720LS 36 | 36 | 48,0 | 78 | 29 | 2 | 007200386 |

## 969B
hub nut locking socket

| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| 24 | 36,0 | 76 | 1 | 009690124 |
| 27 | 36,0 | 76 | 1 | 009690127 |
| 30 | 40,0 | 76 | 1 | 009690130 |
| 31 | 42,0 | 76 | 1 | 009690131 |
| 32 | 42,5 | 76 | 1 | 009690132 |
| 34 | 45,0 | 76 | 1 | 009690134 |
| 35 | 46,0 | 76 | 1 | 009690135 |
| 36 | 49,0 | 76 | 1 | 009690136 |

## 969/C5
set of 5 hub nut locking sockets in plastic case

| | | |
|---|---|---|
| 969/C5 | 1 | 009690201 |

969B 30-32-34-35-36

## 970EA
impact sockets for axle nuts

| mm | ⬢ mm | Ø mm | | |
|---|---|---|---|---|
| 98 | 36 | 122 | 1 | 009700398 |

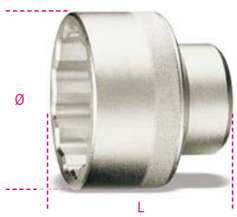
## 970EB
impact sockets for axle nuts

| mm | ⬢ mm | Ø mm | | |
|---|---|---|---|---|
| 95 | 36 | 126 | 1 | 009700595 |
| 110 | 36 | 133 | 1 | 009700410 |

## 970Q
impact sockets for rectangular nuts

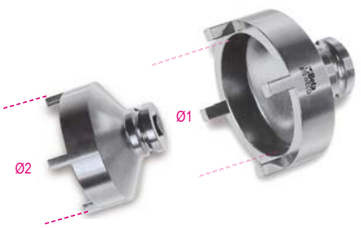
| L mm | □ | | |
|---|---|---|---|
| 56 | 3/4" | 1 | 009700756 |
| 60 | 3/4" | 1 | 009700760 |

## 970B
socket for locking Fiat Daily hub nuts




| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| 65 | 88 | 75 | 1 | 009700010 |

## 970IVECO
hook socket
for Iveco Daily hub nuts
**for versions from year 2014**




| Ø1 mm | Ø2 mm | | |
|---|---|---|---|
| 61,5 | 74,8 | 1 | 009700011 |

## 970C
octagonal impact sockets for locking hub nuts

| mm | □ - ⬡ | | |
|---|---|---|---|
| 80 | 41 mm | 1 | 009700808 |
| 95 | 3/4" | 1 | 009700815 |
| 100 | 3/4" | 1 | 009700820 |
| 109 | 41 mm | 1 | 009700829 |
| 115 | 3/4" | 1 | 009700835 |
| 120 | 41 mm | 1 | 009700840 |

## 9700T
oval impact sockets for locking trailer hub nuts

| L mm | L1 mm | □ - ○ | | |
|---|---|---|---|---|
| 65 | 61 | 3/4" | 1 | 009700165 |
| 80 | 73 | 3/4" | 1 | 009700180 |
| 96 | 90 | 3/4" | 1 | 009700196 |
| 111 | 104 | 41 mm | 1 | 009700211 |

## 971/C8
torque screwdriver with accessories
for controlled tightening of
tyre valves with pressure control system

| | | | |
|---|---|---|---|
| 971/C8 | 1 | 009710108 | |

| | | |
|---|---|---|
| 583/6 | 1,2÷6 Nm | |
| 892/0 | | |
| ○ 862TX | T10-T15-T20 | |
| ◎ 900L | 11-12 mm | |
| 986 78 | | |

## 972/C4BMW
removal kit for anti-theft bolts
with free rings, for BMW and Mini cars

| | | |
|---|---|---|
| 972/C4BMW | 1 | 009720004 |

516x145x66 mm - 3,8 kg

## 972/C10
removal kit for damaged wheel nuts

**for use on anti-theft and conventional nuts**

| | | |
|---|---|---|
| 972/C10 | 1 | 009720010 |

290x250x60 mm - 2,4 kg

## 973
kit of 4 nylon wheel covers

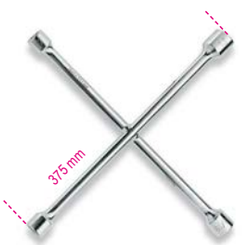
suitable for the following rims:
14" ÷ 18" item number 009730014
19" ÷ 22" item number 009730019

- Preserves and protects wheel from scratches and dust
- During storage, it prevents early deterioration of rubber polymers in summer or winter tyres
- An icon allows wheel position (right/left front or right/left rear) identification
- Provided with handles for convenient transportation
- Fabric: nylon, washable

| | | |
|---|---|---|
| 973 14"÷18" | 1 | 009730014 |
| 973 19"÷22" | 1 | 009730019 |

## 978 - 979
four-way hexagon wheel nut wrenches

12"




UNI/ISO 6788 DIN 3119

| | | |
|---|---|---|
| 978 | 2 | 009780001 |
| 17x19x21x22 mm | | |
| 979 | 2 | 009790001 |
| 17x19x22x■1/2 mm | | |

## 982
four-way hexagon wheel nut wrench

3/4"

UNI/ISO 6788 DIN 3119

| | | |
|---|---|---|
| 24x27x32x■3/4 mm | 1 | 009820001 |

## 983PM
abrasive brush for cleaning hubs

1/4"
1/2"

| Ø1 mm | Ø2 mm | | |
|---|---|---|---|
| 90 | 150 | 1 | 009830010 |

## 984
wheel nut plastic cap pliers

| L mm | H mm | | |
|---|---|---|---|
| 195 | 4 | 1 | 009840005 |

## 985/B7
assortment of 7 guide pins
for wheel installation

**Included sizes:**
- M12X1.25 male
- M12x1.25 female
- M12x1.5 male
- M12x1.5 female
- M14x1.25 male
- M14x1.5 male
- M16x1.5 male

| | | |
|---|---|---|
| 985/B7 | 1 | 009850007 |

## 985M
male guide pins for wheel installation

| | L mm | | |
|---|---|---|---|
| **985M M12X1,25** | 150 | 1 | 009850101 |
| **985M M12X1,50** | 150 | 1 | 009850102 |
| **985M M14X1,25** | 150 | 1 | 009850103 |
| **985M M14X1,50** | 150 | 1 | 009850104 |
| **985M M16X1,50** | 150 | 1 | 009850105 |

## 985F
female guide pins for wheel installation

| | L mm | | |
|---|---|---|---|
| **985F M12X1,25** | 150 | 1 | 009850106 |
| **985F M12X1,50** | 150 | 1 | 009850107 |

## 986 48
tyre valve screwdriver,
short model

**automatic valve retention**

| L mm | L1 mm | | |
|---|---|---|---|
| **18** | 48 | 1 | 009860048 |

## 986 78
tyre valve screwdriver

**automatic valve retention**

| L mm | L1 mm | | |
|---|---|---|---|
| **18** | 78 | 1 | 009860078 |

## 986PT
tyre valve screwdriver,
precalibrated, 0.4 Nm

automatic valve retention

**slip mechanism prevents**
**valve core gasket**
**from getting damaged**

| L mm | L1 mm | | |
|---|---|---|---|
| **19** | 120 | 1 | 009860140 |

## 987
tyre valve lever
with rubber protection

| L mm | | |
|---|---|---|
| **310** | 1 | 009870001 |

## 987AR
tyre valve lever
with non-scratch fulcrum

- **rubber and nylon fulcrum for alloy and iron rims**
- **valve quick coupling, does not require screwing**

| L mm | | |
|---|---|---|
| **305** | 1 | 009870021 |

## 987P
tyre valve lever
made of plastic

**Handle accommodates screwdriver to work on mechanism inside valve**

| L mm | | |
|---|---|---|
| **335** | 1 | 009870011 |

## 988/K4
set of 4 scratchproof plastic flat chisels

| | | |
|---|---|---|
| **988/K4**<br>A= 19-21-25-38 mm | 1 | 009880104 |

## 989
wheel balancing weight tool

| L mm | | |
|---|---|---|
| **250** | 2 | 009890001 |

## 989A
pliers for removing wheel balancing adhesive weights

Nose profile specially designed to
remove weights without making contact with rim

| | L mm | | |
|---|---|---|---|
| **989A** | 220 | 1 | 009890011 |

## 989B
combination pliers for wheel
balancing weights

**functions:**
- **removing adhesive weights for alloy rims**
- **removing weights for iron rims**
- **hammer with removable PE-HD covering for adhesive weights and iron rims**
- **weight jaws for iron rims**

| L mm | | |
|---|---|---|
| **230** | 1 | 009890015 |

## 990
straight thin knurled point spring tweezers made from stainless steel bright finish

| L mm | | |
|---|---|---|
| 130 | 5 | 009900001 |

## 991
bent thin knurled point spring tweezers made from stainless steel, bright finish

| L mm | | |
|---|---|---|
| 130 | 5 | 009910001 |

## 992
straight thin knurled point pin spring tweezers made from stainless steel bright finish

| L mm | | |
|---|---|---|
| 150 | 5 | 009920001 |

## 993
bent thin knurled point pin spring tweezers made from stainless steel bright finish

| L mm | | |
|---|---|---|
| 145 | 5 | 009930001 |

## 993PL
bent thin knurled point pin spring tweezers made from stainless steel PVC-coated

| L mm | | |
|---|---|---|
| 150 | 3 | 009930010 |

## 993G
pin spring tweezers, curved round ends, knurled made from stainless steel bright finish

| L mm | | |
|---|---|---|
| 160 | 3 | 009930030 |

## 994
straight large knurled point spring tweezers made from stainless steel bright finish

| L mm | | |
|---|---|---|
| 150 | 5 | 009940001 |

## 994PL
straight large knurled point spring tweezers made from stainless steel PVC-coated

| L mm | | |
|---|---|---|
| 150 | 3 | 009940010 |

## 994TF
spring tweezers, acid and magnetic resistant, large round noses, strong and knurled ends made from stainless steel semi-bright finish

| L mm | | |
|---|---|---|
| 150 | 3 | 009940020 |

## 996
straight end spring tweezers with wide tips made from stainless steel bright finish

| L mm | | |
|---|---|---|
| 150 | 5 | 009960001 |

## 998
cross knurled end spring tweezers made from stainless steel bright finish

| L mm | | |
|---|---|---|
| 155 | 5 | 009980001 |

## 999
flat round end spring tweezers, acid and magnetic resistant made from stainless steel semi-bright finish

| L mm | | |
|---|---|---|
| 115 | 3 | 009990011 |

## 999A
extra slim short end spring tweezers, acid and magnetic resistant made from stainless steel semi-bright finish

| L mm | | |
|---|---|---|
| 120 | 3 | 009990015 |

## 999B
strong straight end spring tweezers, acid and magnetic resistant made from stainless steel semi-bright finish

| L mm | | |
|---|---|---|
| 120 | 3 | 009990017 |

## 999C
extra slim straight end spring tweezers,
acid and magnetic resistant
made from stainless steel semi-bright finish

| L mm | | |
|---|---|---|
| 110 | 3 | 009990019 |

## 999D
extra slim angled end spring tweezers,
acid and magnetic resistant
made from stainless steel semi-bright finish

| L mm | | |
|---|---|---|
| 115 | 3 | 009990021 |

## 999E
extra slim curved end spring tweezers,
acid and magnetic resistant
made from stainless steel semi-bright finish

| L mm | | |
|---|---|---|
| 120 | 3 | 009990023 |

## 999G
extra slim straight end spring tweezers, acid
and magnetic resistant with stop
mechanism made from stainless steel
semi-bright finish

| L mm | | |
|---|---|---|
| 140 | 3 | 009990027 |

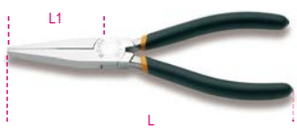
## 999/B6N
set of 6 spring tweezers,
acid and magnetic resistant

| | | |
|---|---|---|
| 999/B6N<br>999-999A-999B<br>999C-999D-999E | 1 | 009990060 |

## 1002
self-locking round end knurled tool made of
stainless steel

| L mm | | |
|---|---|---|
| 160 | 2 | 010020001 |

## 1008
long flat knurled nose pliers,
slip-proof double layer PVC coated handles




ISO 5745

| L mm | L1 mm | | |
|---|---|---|---|
| 160 | 51,5 | 5 | 010080006 |

## 1008BM
long flat knurled nose pliers
bi-material handles

ISO 5745

| L mm | L1 mm | | |
|---|---|---|---|
| 160 | 51,5 | 3 | 010080036 |

## 1009
extra-long knurled nose pliers, slip-proof
double layer PVC coated handles

ISO 5745

| L mm | L1 mm | | |
|---|---|---|---|
| 160 | 56,5 | 2 | 010090006 |

## 1009L/A
extra long needle knurled nose pliers,
for special operations,
slip-proof double layer PVC coated handles

| L mm | L1 mm | | |
|---|---|---|---|
| 283 | 80 | 2 | 010090008 |

## 1009L/B
curved extra long knurled nose pliers,
45°, for special operations,
slip-proof double layer PVC coated handles

| L mm | L1 mm | | |
|---|---|---|---|
| 273 | 73 | 2 | 010090009 |

## 1009L/C
bent extra long knurled nose pliers, 90°,
for special operations,
slip-proof double layer PVC coated handles

| L mm | L1 mm | | |
|---|---|---|---|
| 253 | 45 | 2 | 010090010 |

## 1009L/D
extra-long, knurled double swivel nose pliers, slip-proof double layer PVC coated handles

| L mm | L1 mm | | |
|---|---|---|---|
| 342 | 71 | 1 | 010090058 |

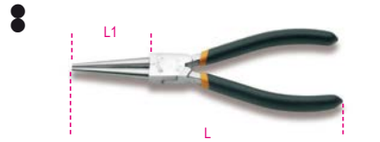
## 1009L/DP
curved extra-long knurled double swivel nose pliers, 45°, slip-proof double layer PVC-coated handles

| L mm | L1 mm | | |
|---|---|---|---|
| 336 | 66 | 1 | 010090059 |

## 1009L/DP-S2
Set of 2 extra-long, knurled double swivel nose pliers

| | | |
|---|---|---|
| 1009L/DP-S2 | 1 | 010090060 |

## 1010
long round knurled nose pliers, slip-proof double layer PVC coated handles




ISO 5745

| L mm | L1 mm | | |
|---|---|---|---|
| 160 | 51,5 | 2 | 010100006 |

## 1010BM
long round knurled nose pliers bi-material handles

ISO 5745

| L mm | L1 mm | | |
|---|---|---|---|
| 160 | 51,5 | 2 | 010100036 |

# CIRCLIP PLIERS (SEEGER TYPE)

### PERFECT ALIGNMENT
Tests have shown that Beta's circlip pliers provide excellent seeger (snap ring) alignment, based on the special reverse cone geometry of the tips, obtained through the company's exclusive cold-pressing technology.

### REDUCED TIP BREAKAGE
Beta's pliers are fitted with built-in cold-pressed tips, which provide increased durability compared to competitors', both when used and in case of accidental drops.

## 1031/S4
set of 4 circlip pliers

| | | | |
|---|---|---|---|
| 1031/S4 | | 1 | 010310000 |
| 1032 180 | ⊙ 19 ÷ 60 mm | | |
| 1034 170 | ⊙ 19 ÷ 60 mm | | |
| 1036 175 | ● 19 ÷ 60 mm | | |
| 1038 175 | ● 19 ÷ 60 mm | | |

## 1032
internal circlip pliers, straight pattern PVC-coated handles

UNI 7914 DIN 5256

| L mm | ⊙ Ø mm | | |
|---|---|---|---|
| 140x0,9 | 8÷12 | 5 | 010320013 |
| 140x1,3 | 12÷25 | 5 | 010320014 |
| 180 | 19÷60 | 5 | 010320017 |
| 225 | 40÷100 | 3 | 010320021 |
| 300 | 85÷200 | 2 | 010320028 |

## 1033
internal circlip pliers, bent pattern, 45° PVC-coated handles

UNI 7914 DIN 5256

| L mm | ⊙ Ø mm | | |
|---|---|---|---|
| 140x0,9 | 8÷12 | 5 | 010330013 |
| 140x1,3 | 12÷25 | 5 | 010330014 |
| 180 | 19÷60 | 5 | 010330017 |
| 225 | 40÷100 | 3 | 010330021 |

## 1034
internal circlip pliers, bent pattern, 90° PVC-coated handles

UNI 7914 DIN 5256

| L mm | ⊙ Ø mm | | |
|---|---|---|---|
| 130x0,9 | 8÷12 | 5 | 010340013 |
| 130x1,3 | 12÷25 | 5 | 010340014 |
| 170 | 19÷60 | 5 | 010340017 |
| 210 | 40÷100 | 3 | 010340021 |
| 290 | 85÷200 | 2 | 010340028 |

## 1034L

90° curved long nose pliers
for elastic safety rings for holes,
PVC-coated handles

| L mm | Ø mm | | |
|---|---|---|---|
| 190 | 40÷100 | 2 | 010340320 |

## 1036

external circlip pliers, straight pattern
PVC-coated handles

UNI 7915 DIN 5254

| L mm | Ø mm | | |
|---|---|---|---|
| 140x0,9 | 3÷10 | 5 | 010360013 |
| 140x1,3 | 10÷25 | 5 | 010360014 |
| 175 | 19÷60 | 5 | 010360017 |
| 225 | 40÷100 | 3 | 010360021 |
| 300 | 85÷200 | 2 | 010360028 |

## 1037

external circlip pliers, bent pattern,
45° PVC-coated handles

UNI 7915 DIN 5254

| L mm | Ø mm | | |
|---|---|---|---|
| 140x0,9 | 3÷10 | 5 | 010370013 |
| 140x1,3 | 10÷25 | 5 | 010370014 |
| 175 | 19÷60 | 5 | 010370017 |
| 225 | 40÷100 | 3 | 010370021 |

## 1038

external circlip pliers, bent pattern,
90° PVC-coated handles

UNI 7915 DIN 5254

| L mm | Ø mm | | |
|---|---|---|---|
| 135x0,9 | 3÷10 | 5 | 010380013 |
| 135x1,3 | 10÷25 | 5 | 010380014 |
| 175 | 19÷60 | 5 | 010380017 |
| 220 | 40÷100 | 3 | 010380021 |
| 300 | 85÷200 | 2 | 010380028 |

## 1039

straight point pliers for internal
and external circlips PVC-coated handles

| L mm | Ø mm | Ø mm | | |
|---|---|---|---|---|
| 150 | 10÷15 | 6÷25 | 2 | 010390015 |

## 1558/C4

internal and external snap ring tool,
screw-operated

**square drive allows a high force to be applied in both operating conditions**
**Supplied tips:**
**Ø 2.5-3-3.5 mm**

| | Ø mm | Ø mm | | |
|---|---|---|---|---|
| 1558/C4 | 5,5 ÷ 77 | 5,5 ÷ 77 | 1 | 015580100 |

330x220x50 mm - 900 g

## 1044

slip joint pliers overlapping joint
PVC-coated handles

· **9-position model**

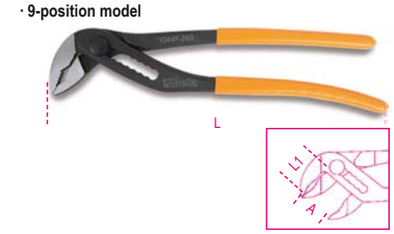
ISO 8976

| L mm | A max mm | L1 mm | | |
|---|---|---|---|---|
| 250 | 48 | 39 | 5 | 010440250 |

## 1044F

slip joint pliers
overlapping joint
PVC-coated handles

· **9-position model**

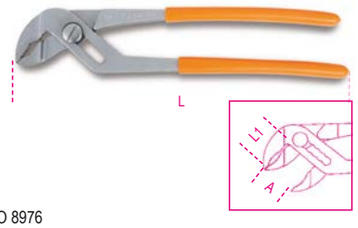


ISO 8976

| L mm | A max mm | L1 mm | | |
|---|---|---|---|---|
| 250 | 48 | 39 | 5 | 010440015 |

## 1046

slip joint pliers overlapping rack-type joint
PVC-coated handles

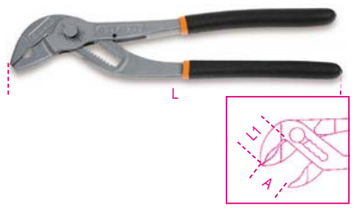


ISO 8976

| L mm | A max mm | L1 mm | | |
|---|---|---|---|---|
| 240 | 28 | 33 | 5 | 010460240 |
| 400 | 107 | 55 | 1 | 010460400 |

## 1047

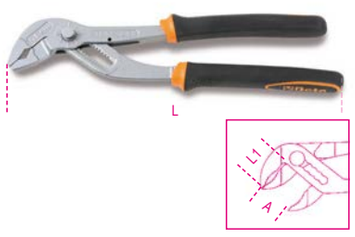
slip joint pliers, push button adjustment



| L mm | A max mm | L1 mm | | |
|---|---|---|---|---|
| 180 | 30 | 29 | 2 | 010470180 |
| 240 | 36 | 35 | 2 | 010470240 |
| 300 | 50 | 48 | 1 | 010470300 |

## 1047BM

slip joint pliers, push button adjustment,
bimaterial handles

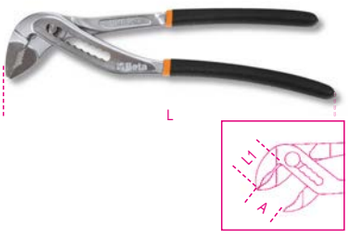


| L mm | A max mm | L1 mm | | |
|---|---|---|---|---|
| 240 | 36 | 35 | 2 | 010470340 |

## 1048

Slip joint pliers, boxed joints,
slip-proof double layer PVC coated handles

· **9-position model**



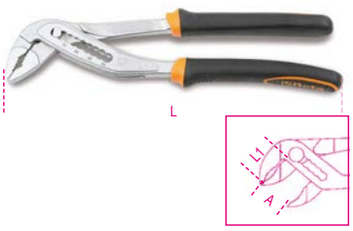

ISO 8976

| L mm | A max mm | L1 mm | | |
|---|---|---|---|---|
| **175** | 30 | 29 | 3 | 010480010 |
| **250** | 48 | 39 | 5 | 010480015 |
| **300** | 56 | 47 | 2 | 010480020 |

## 1048BM

slip joint pliers, boxed joint, bimaterial handles

· **new 9-position model**



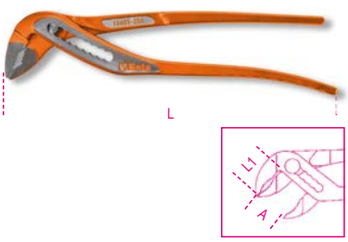

ISO 8976

| L mm | A max mm | L1 mm | | |
|---|---|---|---|---|
| **250** | 48 | 39 | 3 | 010480215 |

## 1048V

slip joint pliers boxed joints, orange lacquered

· **new 9-position model**

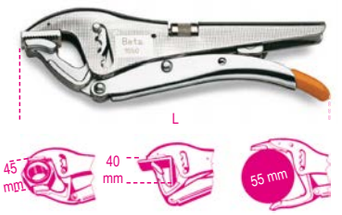



ISO 8976

| L mm | A max mm | L1 mm | | |
|---|---|---|---|---|
| **175** | 30 | 29 | 3 | 010480110 |
| **250** | 48 | 39 | 5 | 010480115 |
| **300** | 56 | 47 | 2 | 010480120 |

## 1050

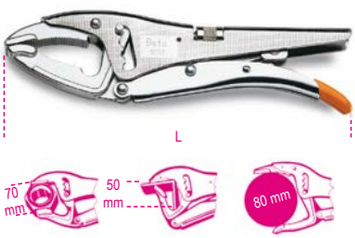
double adjustment self-locking pliers




| L mm | | |
|---|---|---|
| **220** | 2 | 010500022 |

## 1051

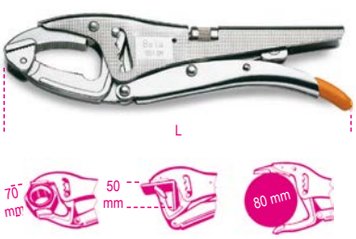
double adjustment self-locking pliers long jaws




| L mm | | |
|---|---|---|
| **255** | 2 | 010510025 |

## 1051GM

double adjustment self-locking pliers,
floating jaw




| L mm | | |
|---|---|---|
| **255** | 2 | 010510250 |

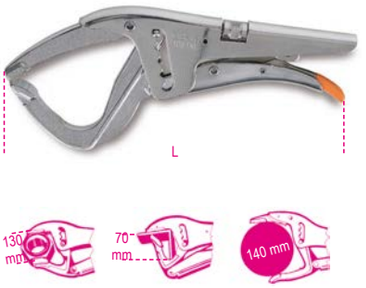
## 1051L

large-capacity double adjustment
self-locking pliers

| L mm | | |
|---|---|---|
| **270** | 2 | 010510100 |

## 1051XL

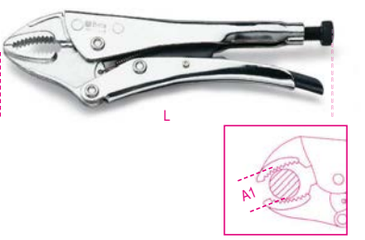
large-capacity double adjustment
self-locking pliers, extra-long jaws




| L mm | | |
|---|---|---|
| **270** | 2 | 010510140 |

## 1052

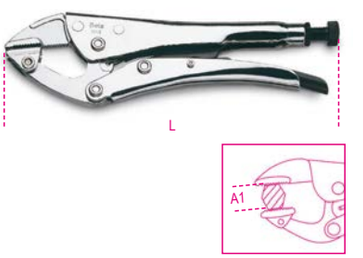
adjustable self-locking pliers,
concave jaws




| L mm | A1 max mm | | |
|---|---|---|---|
| **140** | 22 | 3 | 010520014 |
| **190** | 36 | 3 | 010520019 |
| **240** | 42 | 3 | 010520024 |
| **300** | 55 | 2 | 010520030 |

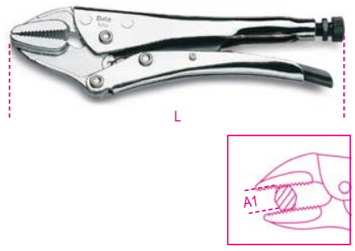
## 1053

adjustable self-locking pliers,
floating jaw



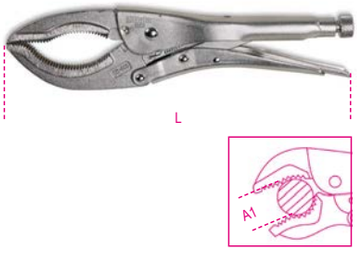

| L mm | A1 max mm | | |
|---|---|---|---|
| **240** | 35 | 2 | 010530024 |

## 1054
adjustable self-locking pliers,
straight jaws



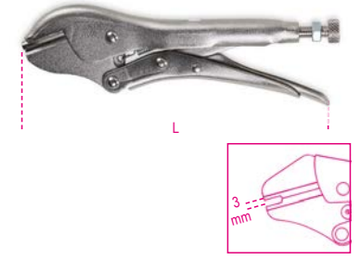

| L mm | A1 max mm | | |
|---|---|---|---|
| 235 | 40 | 2 | 010540022 |

## 1055
adjustable self-locking pliers,
curved jaws




| L mm | A1 max mm | | |
|---|---|---|---|
| 270 | 75 | 2 | 010550027 |

## 1056
adjustable self-locking pliers
for refrigeration technicians

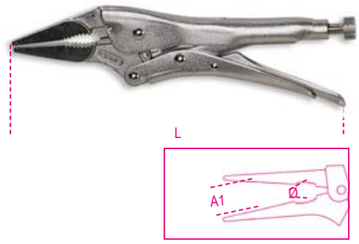



| L mm | | |
|---|---|---|
| 195 | 2 | 010560017 |

## 1057A
automatic self-locking pliers with adjustable
force

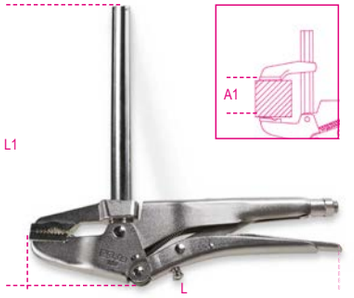
| L mm | | |
|---|---|---|
| 240 | 2 | 010570124 |

## 1058
adjustable self-locking pliers,
long jaws



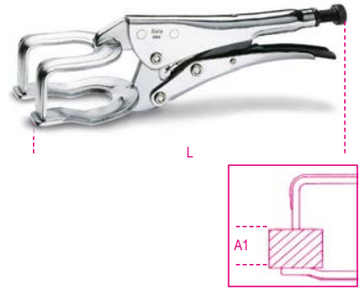

| L mm | A1 max mm | Ø max mm | | |
|---|---|---|---|---|
| 175 | 34 | 26 | 2 | 010580017 |
| 225 | 46 | 31 | 2 | 010580025 |

## 1059
adjustable self-locking pliers
with one sliding jaw



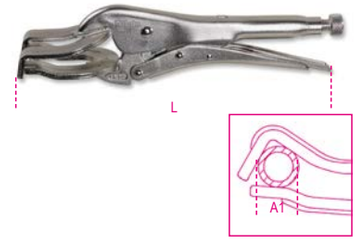

| L1 mm | L mm | A1 mm | | |
|---|---|---|---|---|
| 160 | 255 | 120 | 1 | 010590016 |
| 270 | 255 | 220 | 1 | 010590027 |

## 1060
adjustable self-locking pliers,
fork-type jaws



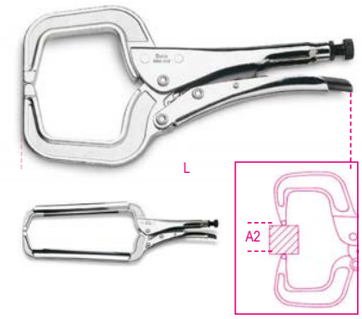

| L mm | A1 max mm | | |
|---|---|---|---|
| 200 | 50 | 2 | 010600020 |
| 280 | 80 | 2 | 010600028 |

## 1061
adjustable self-locking pliers,
fork-type jaws



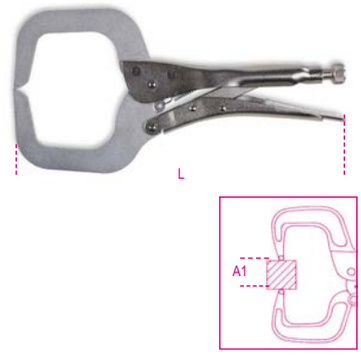

| L mm | A1 max mm | | |
|---|---|---|---|
| 275 | 80 | 2 | 010610027 |

## 1062
adjustable self-locking pliers
with C-shaped jaws



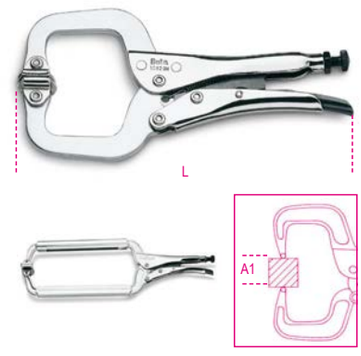

| L mm | A2 max mm | | |
|---|---|---|---|
| 170 | 50 | 2 | 010620017 |
| 290 | 120 | 2 | 010620029 |
| 460 | 255 | 1 | 010620045 |

## 1062AL
adjustable self-locking pliers,
aluminium C-shaped jaws



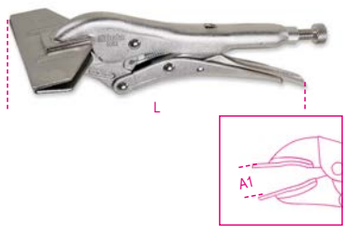

| L mm | A1 max mm | | |
|---|---|---|---|
| 275 | 88 | 2 | 010620327 |

## 1062GM
adjustable self-locking pliers
with floating C-shaped jaws




| L mm | A1 max mm | | |
|---|---|---|---|
| 170 | 45 | 2 | 010620217 |
| 290 | 88 | 2 | 010620229 |
| 460 | 255 | 1 | 010620245 |

## 1063
adjustable self-locking pliers
for tinsmiths

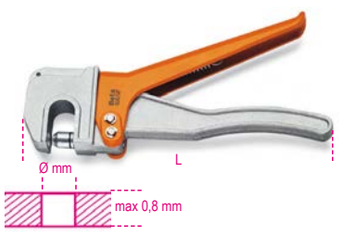



| L mm | A1 max mm | | |
|---|---|---|---|
| 200 | 31 | 2 | 010630021 |

## 1064
adjustable self-locking pliers with chain

| L mm | Ø mm | | |
|---|---|---|---|
| 230 | 150 | 2 | 010640023 |

## 1065F
hand punch steel punch and matrix

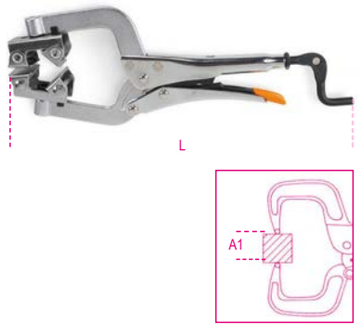



| ø mm | L mm | | |
|---|---|---|---|
| 5 | 228 | 1 | 010650010 |
| 6 | 228 | 1 | 010650015 |

## 1065P
hand crimper steel matrix

| L mm | | |
|---|---|---|
| 228 | 1 | 010650020 |

## 1067
adjustable self-locking pliers for pipes,
articulated pipe clamping jaws




| L mm | A1 max mm | | |
|---|---|---|---|
| 285 | 76 | 1 | 010670285 |
| 380 | 89 | 1 | 010670380 |

## 1077
straight wide blade tinsmith's pliers,
PVC-coated handles

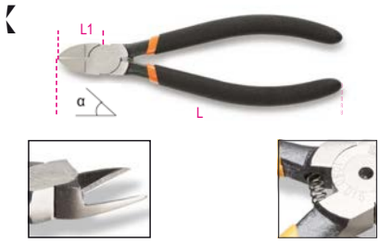
| L ~ | A mm | L1 mm | | |
|---|---|---|---|---|
| 280 | 60 | 53 | 1 | 010770026 |

## 1078
curved wide blade tinsmith's pliers,
45° PVC-coated handles

| L ~ | A mm | L1 mm | | |
|---|---|---|---|---|
| 280 | 60 | 77 | 1 | 010780026 |

## 1080D
diagonal flush cutting nippers,
slip-proof double layer PVC coated handles

**For cutting plastic**




| α | L mm | L1 mm | | |
|---|---|---|---|---|
| 15° | 160 | 22 | 3 | 010800015 |
| 45° | 160 | 22 | 3 | 010800045 |

## 1081
semi-flush cutting nippers,
slip-proof double layer PVC
coated handles
- **For micro-mechanics and heavy-duty electronics**

| L mm | L1 mm | | |
|---|---|---|---|
| 125 | 16 | 3 | 010810130 |

## 1082
diagonal cutting nippers,
chrome-plated,
slip-proof double layer PVC coated handles

UNI/ISO 5749

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 140 | 20 | 1,6 | 5 | 010820004 |
| 160 | 22 | 1,6 | 5 | 010820006 |

## 1082G
diagonal cutting nippers,
slip-proof double layer PVC coated handles,
industrial finish

UNI/ISO 5749

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 140 | 20 | 1,6 | 5 | 010820064 |
| 160 | 22 | 1,6 | 5 | 010820066 |

## 1082BM
diagonal cutting nippers,
bi-material handles

UNI/ISO 5749

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 140 | 20 | 1,6 | 3 | 010820034 |
| 160 | 22 | 1,6 | 3 | 010820036 |

## 1082GBM

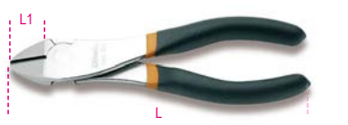
diagonal cutting nippers,
bi-material handles,
industrial finish

UNI/ISO 5749

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 140 | 20 | 1,6 | 3 | 010820264 |
| 160 | 22 | 1,6 | 3 | 010820266 |

## 1084

heavy duty diagonal cutting nippers,
chrome-plated,
slip-proof double layer PVC coated handles




UNI/ISO 5749

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 22 | 1,6 | 5 | 010840006 |
| 200 | 28 | 2,0 | 3 | 010840010 |

## 1084G

heavy duty diagonal cutting nippers,
slip-proof double layer PVC coated handles,
industrial finish

UNI/ISO 5749

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 22 | 1,6 | 5 | 010840066 |
| 200 | 28 | 2,0 | 3 | 010840070 |

## 1084BM

heavy duty diagonal cutting nippers,
chrome-plated,
bi-material handles

UNI/ISO 5749

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 22 | 1,6 | 3 | 010840036 |
| 200 | 28 | 2,0 | 3 | 010840040 |

## 1084GBM

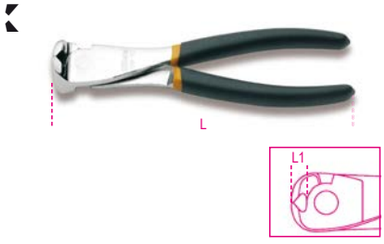
heavy duty diagonal cutting nippers,
bi-material handles,
industrial finish

UNI/ISO 5749

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 22 | 1,6 | 3 | 010840266 |
| 200 | 28 | 2,0 | 3 | 010840270 |

## 1088

heavy duty end cutting nippers,
slip-proof double layer PVC coated handles




UNI/ISO 5748

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 9 | 1,6 | 2 | 010880006 |
| 200 | 11 | 2,0 | 2 | 010880010 |

## 1088BM

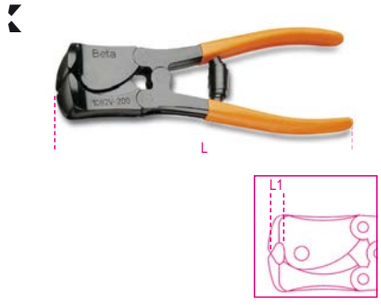
heavy duty end cutting nippers,
bi-material handles

UNI/ISO 5748

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 9 | 1,6 | 2 | 010880036 |
| 200 | 11 | 2,0 | 2 | 010880040 |

## 1092V

toggle lever assisted end cutting nippers




UNI/ISO 5748

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 180 | 8 | 2,0 | 2 | 010920280 |
| 200 | 9 | 2,5 | 2 | 010920310 |

## 1094V

toggle lever assisted
diagonal cutting nippers

UNI/ISO 5749

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 200 | 23 | 2,5 | 2 | 010940200 |

## 1095N

toggle lever assisted
diagonal cutting nippers

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 195 | 26 | 1,6 | 2 | 010950010 |

## 1096

carpenter's pincers

ISO 9243

| L ~ | L1 mm | | |
|---|---|---|---|
| 160 | 21 | 5 | 010960016 |
| 200 | 23 | 5 | 010960020 |
| 250 | 30 | 5 | 010960025 |

## 1098
construction worker's pincers

ISO 9242 DIN 5242

| L ~ mm | L1 mm | | |
|---|---|---|---|
| 190 | 12 | 5 | 010980190 |
| 220 | 13 | 5 | 010980220 |
| 250 | 15 | 5 | 010980250 |
| 280 | 18 | 5 | 010980280 |

## 1098PL
construction worker's pincers,
PVC coated handles

ISO 9242 DIN 5242

| L ~ mm | L1 mm | | |
|---|---|---|---|
| 220 | 13 | 5 | 010980320 |
| 250 | 15 | 5 | 010980350 |
| 280 | 18 | 5 | 010980380 |

## 1101
bolt cutter phosphatized blades
and rubber grip handles

| L mm | L " | | |
|---|---|---|---|
| 300 | 12 | 2 | 011010030 |
| 350 | 14 | 2 | 011010035 |
| 450 | 18 | 1 | 011010045 |
| 600 | 24 | 1 | 011010060 |
| 750 | 30 | 1 | 011010075 |
| 900 | 36 | 1 | 011010090 |

| L mm | R = 80 Kgf/mm² Ø mm | R = 140 Kgf/mm² Ø mm | g |
|---|---|---|---|
| 300 | 5 | 4 | 745 |
| 350 | 6 | 5 | 1043 |
| 450 | 7 | 6 | 1537 |
| 600 | 9 | 7 | 2540 |
| 750 | 11 | 8 | 3870 |
| 900 | 12 | 9 | 6170 |

## 1101R
spare blades for item 1101

| mm | 1101 | | |
|---|---|---|---|
| 300 | 300 | 1 | 011010130 |
| 350 | 350 | 1 | 011010135 |
| 450 | 450 | 1 | 011010145 |
| 600 | 600 | 1 | 011010160 |
| 750 | 750 | 1 | 011010175 |
| 900 | 900 | 1 | 011010190 |

## 1102
bolt cutters, small series

**Cutting capacity**
**R= 80 Kgf/mm²**

| L ~ mm | mm | | |
|---|---|---|---|
| 230 | 4 | 3 | 011020020 |

## 1104
heavy-duty cutters for flexible steel cables,
handles with thermoplastic grips

**R=80 Kgf/mm²**

| L mm | mm | | |
|---|---|---|---|
| 420 | 12 | 1 | 011040004 |
| 600 | 16 | 1 | 011040006 |

## 1104R
spare blades for item 1104

| mm | | |
|---|---|---|
| 420 | 1 | 011040014 |
| 600 | 1 | 011040016 |

## 1105
punches made from burnished steel

| D mm | L mm | | |
|---|---|---|---|
| 2 | 27 | 1 | 011050002 |
| 3 | 27 | 1 | 011050003 |
| 4 | 27 | 1 | 011050004 |
| 5 | 27 | 1 | 011050005 |
| 6 | 27 | 1 | 011050006 |
| 7 | 27 | 1 | 011050007 |
| 8 | 27 | 1 | 011050008 |
| 9 | 27 | 1 | 011050009 |
| 10 | 27 | 1 | 011050010 |
| 12 | 27 | 1 | 011050012 |
| 14 | 27 | 1 | 011050014 |
| 16 | 27 | 1 | 011050016 |
| 18 | 27 | 1 | 011050018 |
| 20 | 27 | 1 | 011050020 |
| 22 | 32 | 1 | 011050022 |
| 24 | 32 | 1 | 011050024 |
| 26 | 32 | 1 | 011050026 |
| 28 | 32 | 1 | 011050028 |
| 30 | 32 | 1 | 011050030 |
| 32 | 37 | 1 | 011050032 |
| 34 | 37 | 1 | 011050034 |
| 36 | 37 | 1 | 011050036 |
| 38 | 37 | 1 | 011050038 |
| 40 | 37 | 1 | 011050040 |
| 42 | 42 | 1 | 011050042 |
| 44 | 42 | 1 | 011050044 |
| 46 | 42 | 1 | 011050046 |
| 48 | 42 | 1 | 011050048 |
| 50 | 42 | 1 | 011050050 |

## 1105T20
shank for punches 1105,
2 to 20 mm

| L mm | | |
|---|---|---|
| 110 | 1 | 011050200 |

## 1105T30
shank for punches 1105,
3 to 30 mm

| L mm | | |
|---|---|---|
| 175 | 1 | 011050205 |

## 1105T50

shank for punches 1105
2 to 50 mm

| L mm | | |
|---|---|---|
| 175 | 1 | 011050207 |

## 1105AD-50

shank adaptor for item 1105T50

| Ø mm | | |
|---|---|---|
| 57 | 1 | 011050210 |

## 1105/C10T

assortment of 10 punches,
3 to 20 mm, and 1 accessory

| | | |
|---|---|---|
| 1105/C10T | 1 | 011050250 |

1105 — 3 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 mm

1105T20

135x92x32 mm

## 1105/C16T

assortment of 15 punches,
3 to 30 mm, and 1 accessory

| | | |
|---|---|---|
| 1105C/16T | 1 | 011050255 |

1105 — 3 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 26 - 28 -30 mm

1105T30

240x210x60 mm

## 1105/C32T

assortment of 29 punches,
2 to 50 mm, and 3 accessories

| | | |
|---|---|---|
| 1105/C32T | 1 | 011050257 |

1105 — 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 26 - 28 - 30 - 32 - 34 - 36 - 38 - 40 - 42 - 44 - 46 - 48 - 50 mm

1105T50

1105AD-50

455x380x115 mm

## 1112

tin snips straight wide blades

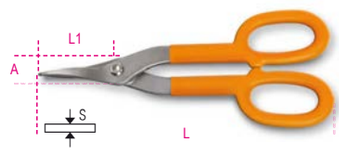
**Cutting capacity**
**R= 60 Kgf/mm²**

| L ~ | L1 mm | S mm | A mm | | |
|---|---|---|---|---|---|
| 200 | 50 | 0,5 | 26 | 2 | 011120020 |
| 250 | 62 | 0,8 | 33 | 2 | 011120025 |
| 300 | 76 | 1,0 | 37 | 2 | 011120030 |
| 375 | 76 | 1,2 | 44 | 1 | 011120037 |

## 1114

tin snips straight narrow blades

**R = 60 Kgf/mm²**




| L ~ | L1 mm | S mm | A mm | | |
|---|---|---|---|---|---|
| 250 | 58 | 0,5 | 15 | 1 | 011140265 |
| 350 | 76 | 1 | 22 | 1 | 011140340 |

## 1118

safety strap cutting shears

**Fe = normal steel**
**Inox = stainless steel**

| L ~ | L1 mm | Fe S mm | Inox S mm | | |
|---|---|---|---|---|---|
| 310 | 42 | 1 | 0,8 | 2 | 011180001 |

## 1120A

hand nibbler

**Fe = normal steel**

| L mm | Fe S mm | | |
|---|---|---|---|
| 280 | 1,2 | 1 | 011200101 |

## 1120ARL - ARG

spare parts for item 1120A

| | | |
|---|---|---|
| 1120ARL | 1 | 011200110 |
| 1120ARG | 1 | 011200120 |

## 1122

compound leverage shears,
straight blades

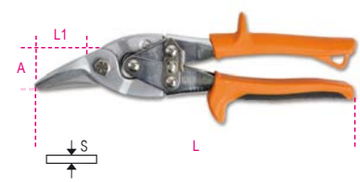
**Inox = stainless steel**

| L ~ | L1 mm | Inox S mm | A mm | | |
|---|---|---|---|---|---|
| 250 | 40 | 1 | 24 | 2 | 011220020 |

## 1123

right cut compound leverage shears,
curved blades

**Inox = stainless steel**




| L ~ | L1 mm | Inox S mm | A mm | | |
|---|---|---|---|---|---|
| 250 | 40 | 1 | 24 | 2 | 011230020 |

## 1124

left cut compound leverage shears, curved blades

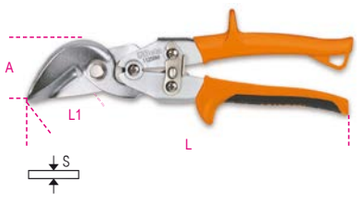
**Inox = stainless steel**

| L ~ | L1 mm | Inox S mm | A mm | | |
|---|---|---|---|---|---|
| **250** | 40 | 1 | 24 | 2 | 011240020 |

## 1125

compound leverage shears for straight and right cuts

**Inox = stainless steel**

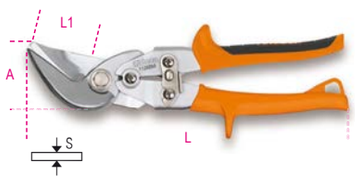



| L ~ | L1 mm | Inox S mm | A mm | | |
|---|---|---|---|---|---|
| **250** | 35 | 1 | 46 | 2 | 011250020 |

## 1126

compound leverage shears for straight and left cuts

**Inox = stainless steel**




| L ~ | L1 mm | Inox S mm | A mm | | |
|---|---|---|---|---|---|
| **250** | 35 | 1 | 46 | 2 | 011260020 |

## 1122 - 1125MOL

| | | | |
|---|---|---|---|
| **1122 MOL** | 1122 - 1124 | 1 | 011220010 |
| **1123 MOL** | 1123 | 1 | 011230010 |
| **1125 MOL** | 1125 - 1126 | 1 | 011250040 |

## 1127

telephone engineer's scissors, straight blades

| L mm | L1 mm | | |
|---|---|---|---|
| **150** | 35 | 5 | 011270001 |

## 1128BAX

Double-acting electricians' scissors, with milling profiles in DLC-coated stainless steel

Double-acting cutting: a special cam on the fulcrum allows the blades to run lengthwise, which results in increased cutting power while closing the blades.

Profile and mill: designed to enlarge holes on plastic, from 13 mm to 25 mm.

DLC coating: DLC (diamond-like carbon) is an innovative carbon-based coating: the high hardness and low coefficient of friction arise from the simultaneous presence of carbon on the surface in the form of graphite, and diamond.

- High blade surface hardness (resistance to abrasion and wear)
- Low coefficient of friction (smoothness and anti-adherence)
- Anti-loose eccentric pin
- Large handles with pipe throttling grooves
- With articulated plastic case

| L mm | L1 mm | mm² | | |
|---|---|---|---|---|
| **150** | 50 | 50 | 5 | 011280088 |

## 1128BMX

electrician's scissors, straight stainless steel blades, with microteeth

| L mm | L1 mm | | |
|---|---|---|---|
| **147** | 58,2 | 5 | 011280051 |

## 1128BMX/F

articulated plastic case for item 1128BMX

| | | |
|---|---|---|
| **1128BMX/F** | 1 | 011280059 |

## 1128BSX

electrician's scissors with graduated milling profiles with case

| L mm | L1 mm | | |
|---|---|---|---|
| **148** | 58,2 | 5 | 011280061 |

## 1128FX

electrician's scissors, straight stainless steel blades, with microteeth, cable cutting groove and crimping pliers for tube terminals

- **Articulated belt hook case**
- **Bimaterial handles**
- **Anti-loose pin**

| L mm | L1 mm | mm² | | |
|---|---|---|---|---|
| **145** | 52 | 50 | 5 | 011280090 |

# 1128FXS ELECTRICIAN'S SCISSORS WITH GRADUATED MILLING PROFILES

To redesign our electrician's scissors, we observed users' daily work.
We have made it into a universal tool, incorporating the 4 main features into one object.

**CUTTING** Quick and sharp, for cables up to 50 mm2, with a cable cutting groove and a microtoothed blade, for improved hold.

**STRIPPING** The sensitive anti-loosening pin allows even the thinnest cables to be accurately stripped.

**CRIMPING** Safe and durable, for tube terminals.

**COUNTERSINKING** The milling profile allows the holes in pull boxes to be countersunk accurately and neatly.

# 1128BAX DOUBLE-ACTING ELECTRICIANS' SCISSORS WITH MILLING PROFILES IN DLC-COATED STAINLESS STEEL

**Scissors 1128BAX stand out for their DLC-finished blades**. DLC (diamond-like carbon) is an innovative carbon-based coating: the high hardness and low coefficient of friction arise from the simultaneous presence of carbon on the surface in the form of graphite, and diamond.

- High blade surface hardness - resistance to abrasion and wear
- Low coefficient of friction - smoothness and anti-adherence

**Milling profile:** designed to enlarge holes on plastic, from 13 mm to 25 mm.

DLC DIAMOND LIKE CARBON

***+HARDNESS***
***-COEFFICIENT OF FRICTION***

## 1128FXS

electrician's scissors with graduated milling profiles, straight stainless steel blades, with microteeth, cable cutting groove and crimping pliers for tube terminals

- **Articulated belt hook case**
- **Bimaterial handles**
- **Anti-loose pin**

- **Profile and mill: designed to enlarge holes on plastic, from 13 to 21 mm.**

| L mm | L1 mm | mm² | | |
|---|---|---|---|---|
| **145** | 52 | 50 | 5 | 011280095 |

## 1128BM

electrician's scissors, straight blades

| L mm | L1 mm | | |
|---|---|---|---|
| **145** | 50 | 5 | 011280000 |

## 1129BM

electrician's scissors, curved blades

| L mm | L1 mm | | |
|---|---|---|---|
| **145** | 44 | 5 | 011290000 |

## 1130BMX

Multiuse scissors, straight stainless steel blades, with microteeth

| L mm | L1 mm | | |
|---|---|---|---|
| **185** | 60 | 1 | 011300002 |

## 1131CK

Kevlar® and fibre optics scissors

| L mm | L1 mm | | |
|---|---|---|---|
| **203** | 75 | 1 | 011310001 |

## 1132

cable cutters for insulated copper and aluminium cables, slip-proof double layer PVC coated handles

UNI 8791

| L ~ mm | mm | mm² | | |
|---|---|---|---|---|
| **170** | 14 | 50 | 2 | 011320107 |
| **230** | 18 | 95 | 2 | 011320113 |

## 1132BM

cable cutters for insulated copper and aluminium cables, bi-material handles

UNI 8791

| L ~ mm | mm | mm² | | |
|---|---|---|---|---|
| **170** | 14 | 50 | 2 | 011320137 |
| **230** | 18 | 95 | 2 | 011320143 |

## 1133

cable cutter for copper cables, flexible

**up to 325 mm²**

| L ~ mm | mm | mm² | | |
|---|---|---|---|---|
| **600** | 32 | 300 | 1 | 011330001 |

## 1133RL
spare blades for item 1133

| | | |
|---|---|---|
| 1133RL | 1 | 011330011 |

## 1134
ratchet cable cutters burnished finish, plastic handles

| L mm | mm | mm² | | |
|---|---|---|---|---|
| 260 | 35 | 400 | 1 | 011340032 |

## 1134RL
spare blade for item 1134

| | | |
|---|---|---|
| 1134RL | 1 | 011340132 |

## 1134A
ratchet cable cutters burnished finish, plastic handles

| L mm | mm | mm² | | |
|---|---|---|---|---|
| 240 | 45 | 500 | 1 | 011340045 |

## 1134A/RL
spare blade for item 1134A

| | | |
|---|---|---|
| 1134A/RL | 1 | 011340145 |

## 1142BM
wire stripping pliers, bi-material handles

UNI 7923

| L mm | mm² | mm | | |
|---|---|---|---|---|
| 160 | 0,5÷6 | 0-2,8 | 3 | 011420036 |

## 1143
wire stripping pliers

| L ~ mm | mm² | mm | | |
|---|---|---|---|---|
| 165 | 0,5÷6 | 1-3,2 | 1 | 011430001 |

## 1143R
spare blades for item 1143

| | | |
|---|---|---|
| 1143R | 1 | 011430011 |

## 1144D
cable stripping tool

| L mm | mm² | mm | | |
|---|---|---|---|---|
| 170 | 4,5÷240 | 2,5-18 | 1 | 011440010 |

## 1144D/RG
spare hook for item 1144D

| | | |
|---|---|---|
| 1144D/RG | 1 | 011440012 |

## 1144D/RL
spare blades for item 1144D

| | | |
|---|---|---|
| 1144D/RL | 1 | 011440011 |

## 1144G
cable stripping tool

**with adjustable blade for transverse and longitudinal cuts**

| L mm | mm² | mm | | |
|---|---|---|---|---|
| 140 | 6÷75 | 2.8-12 | 1 | 011440004 |

## 1144G/RL
spare blade for item 1144G

| | | |
|---|---|---|
| 1144G/RL | 1 | 011440005 |

## 1144L
cable stripping tool with adjustable blade depth, for transverse and longitudinal stripping

**with smooth and hook-shaped retractable blade**

| L mm | mm² | mm | | |
|---|---|---|---|---|
| 145 | 6-150 | 4-28 | 1 | 011440050 |

## 1148A
wire stripping pliers, self-adjusting, with cutting device

**cutting capacity**
**10 mm² (8 AWG) flexible wires**
**1,5 mm² (16 AWG) sturdy wires**

| L mm | mm² | mm | | |
|---|---|---|---|---|
| 190 | 0,02÷10 | 0-4 | 1 | 011480100 |

## 1148A/R
spare blades for item 1148A

| | | |
|---|---|---|
| 1148A/R | 1 | 011480102 |

## 1148B
wire stripping pliers, self-adjusting, with cutting device

| L mm | mm² | mm | | |
|---|---|---|---|---|
| 190 | 4÷16 | 2-5 | 1 | 011480200 |

## 1148B/R
spare blades for item 1148B

| | | |
|---|---|---|
| 1148B/R | 1 | 011480202 |

## 1148P

wire stripping pliers, self-adjusting, with cutting device

| L mm | mm² | mm | | |
|---|---|---|---|---|
| 165 | 0.2-6 | 0-3.5 | 1 | 011480300 |

## 1149F

front wire stripping pliers with cutting blade, self-adjusting

| L mm | mm² | | |
|---|---|---|---|
| 175 | 0,2 ÷ 6 | 1 | 011490010 |

## 1150

combination pliers
bright chrome-plated,
slip-proof double layer PVC coated handles

**• The decentralized pin increases the lever effect, thereby reducing effort, for powerful cutting capacity.**

ISO 5746

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 42 | 1,6 | 5 | 011500046 |
| 180 | 46 | 1,8 | 5 | 011500048 |
| 200 | 50 | 2,0 | 5 | 011500050 |
| 220 | 50 | 2,0 | 2 | 011500052 |

## 1150G

heavy duty combination pliers,
slip-proof double layer PVC coated handles,
industrial finish

**• The decentralized pin increases the lever effect, thereby reducing effort, for powerful cutting capacity.**

ISO 5746

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 42 | 1,6 | 5 | 011500066 |
| 180 | 46 | 1,8 | 5 | 011500068 |
| 200 | 50 | 2,0 | 5 | 011500070 |
| 220 | 50 | 2,0 | 2 | 011500072 |

# 1150HPC HEAVY DUTY UNIVERSAL PLIERS

## WITH CUTTING EDGES MADE OF M2 SINTERED STEEL

- The decentralized pin allows the fulcrum to be closer to the cutting point, thereby resulting in an improved lever effect.
- Perfect alignment of the nose and the thin profile allow the pliers to be used in very small areas.
- The body of the pliers is made of a reliable molybdenum steel which has been heat treated in order to be flexible and resistant so as to guarantee a safe grip in any moment.

| | |
|---|---|
| Shearing stress - static test = | -73% |
| Average life of cutting edges = (test ISO 5744) | +127% |
| Hardness of M2 steel cutting edges = | 65HRC |

**ABSOLUTELY GROUNDBREAKING**

**PEARL CHROME-PLATED FINISH**

**REMARKABLE CUTTING CAPACITY**

## 1150HPC

heavy duty combination pliers with integrated cutting edges
and decentralized pin
matt chrome plated finish
bi-material handles
open joint
**integrated cutting edge**
**steel: M2**
**thickness: 0.20 mm**
**angle: 62°**
**hardness: 63÷65 HRC**

ISO 5746

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 180 | 42 | 1,8 | 2 | 011500618 |

## 1150BM

combination pliers bright chrome-plated,
bi-material handles

**• The decentralized pin increases the lever effect, thereby reducing effort, for powerful cutting capacity.**

ISO 5746

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 42 | 1,6 | 3 | 011500146 |
| 180 | 46 | 1,8 | 3 | 011500148 |
| 200 | 50 | 2,0 | 3 | 011500150 |
| 220 | 50 | 2,0 | 2 | 011500152 |

## 1150GBM

heavy duty combination pliers,
bi-material handles,
industrial finish

• The decentralized pin increases the lever effect, thereby reducing effort, for powerful cutting capacity.

ISO 5746

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 42 | 1,6 | 3 | 011500266 |
| **180** | 39 | 1,8 | 3 | 011500268 |
| **200** | 50 | 2,0 | 3 | 011500270 |
| **220** | 50 | 2,0 | 2 | 011500272 |

## 1153

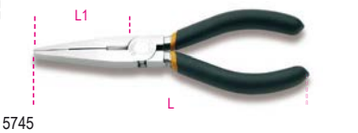
adjustable pliers,
two positions, PVC-coated handles

UNI ISO 9343

| L mm | L1 mm | | |
|---|---|---|---|
| **200** | 34 | 2 | 011530120 |

## 1162

extra-long flat knurled nose pliers,
chrome-plated,
slip-proof double layer PVC coated handles




ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 58 | 1,6 | 5 | 011620006 |
| **200** | 86 | 1,6 | 5 | 011620010 |

## 1162G

extra-long flat knurled nose pliers,
slip-proof double layer PVC coated handles,
industrial finish

ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 58 | 1,6 | 5 | 011620066 |
| **200** | 86 | 1,6 | 5 | 011620070 |

## 1162BM

extra-long flat knurled nose pliers,
chrome-plated,
bi-material handles

ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 58 | 1,6 | 3 | 011620036 |
| **200** | 86 | 1,6 | 3 | 011620040 |

## 1162GBM

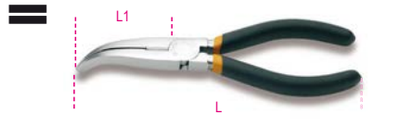
extra-long flat knurled nose pliers,
bi-material handles,
industrial finish

ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 58 | 1,6 | 3 | 011620266 |
| **200** | 86 | 1,6 | 3 | 011620270 |

## 1164

extra long bent flat knurled nose pliers,
slip-proof double layer PVC coated handles




ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 54 | 1,6 | 5 | 011640006 |
| **200** | 76 | 1,6 | 5 | 011640010 |

## 1164BM

extra long bent flat knurled nose pliers,
bi-material handles

ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 54 | 1,6 | 3 | 011640036 |
| **200** | 76 | 1,6 | 3 | 011640040 |

## 1166

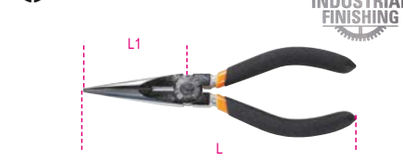
extra-long needle knurled nose pliers,
chrome-plated,
slip-proof double layer PVC coated handles

ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 56 | 1,6 | 5 | 011660006 |
| **200** | 76 | 1,6 | 5 | 011660010 |

## 1166G

extra-long needle knurled nose pliers,
slip-proof double layer PVC coated handles,
industrial finish




ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 56 | 1,6 | 5 | 011660066 |
| **200** | 76 | 1,6 | 5 | 011660070 |

## 1166BM

extra-long needle knurled nose pliers,
chrome-plated,
bi-material handles

ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 56 | 1,6 | 3 | 011660036 |
| **200** | 76 | 1,6 | 3 | 011660040 |

## 1166GBM

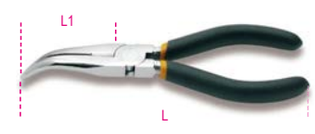
extra-long needle knurled nose pliers,
bi-material handles,
industrial finish

ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 56 | 1,6 | 3 | 011660266 |
| **200** | 76 | 1,6 | 3 | 011660270 |

## 1168

extra-long bent needle knurled nose pliers,
chrome-plated,
slip-proof double layer PVC coated handles




ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 54 | 1,6 | 5 | 011680006 |
| **200** | 76 | 1,6 | 5 | 011680010 |

## 1168G

extra-long bent needle knurled nose pliers,
slip-proof double layer PVC coated handles,
industrial finish

ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 54 | 1,6 | 5 | 011680066 |
| **200** | 76 | 1,6 | 5 | 011680070 |

## 1168BM

extra-long bent needle knurled nose pliers,
chrome-plated,
bi-material handles

ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 54 | 1,6 | 3 | 011680036 |
| **200** | 70 | 1,6 | 3 | 011680040 |

## 1168GBM

extra-long bent needle knurled nose pliers,
bi-material handles,
industrial finish

ISO 5745

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **160** | 54 | 1,6 | 3 | 011680266 |
| **200** | 70 | 1,6 | 3 | 011680270 |

## 1169/D3

set of 1 combination pliers, 1 long needle nose pliers and 1 diagonal cutting nippers

**1169/D3** 1 011690053
1082 160mm
1150 180mm
1166 160mm

## 1169G/D3

set of 1 combination pliers,
1 long needle nose pliers
and 1 diagonal cutting nippers, slip-proof
double layer PVC, industrial finish

**1169G/D3** 1 011690073
1082G 160mm
1150G 180mm
1166G 160mm

## 1169BM/D3

**set of 1 combination pliers, 1 long needle nose pliers and 1 diagonal cutting nippers**

**1169BM/D3** 1 011690133
1082BM 160mm
1150BM 180mm
1166BM 160mm

## 1169GBM/D3

set of 1 combination pliers,
1 long needle nose pliers
and 1 diagonal cutting nippers, bi-material
handles, industrial finish

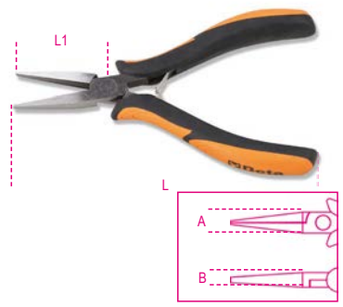
**1169GBM/D3** 1 011690273
1082GBM 160mm
1150GBM 180mm
1166GBM 160mm

## 1171BM
smooth, flat short nose pliers
bi-material handles

ISO 9655

| L ~ | L1 mm | A mm | B mm | | |
|---|---|---|---|---|---|
| 130 | 18 | 12 | 8 | 2 | 011710101 |

## 1172BM
smooth, flat long nose pliers
bi-material handles



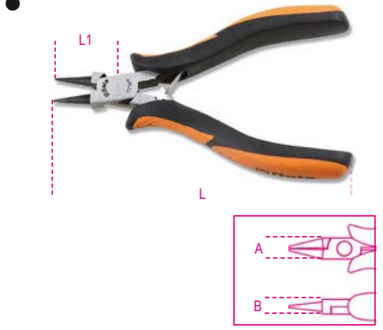

ISO 9655

| L ~ | L1 mm | A mm | B mm | | |
|---|---|---|---|---|---|
| 140 | 40 | 12 | 8 | 2 | 011720101 |

## 1172BM/P
smooth, flat bent long nose pliers
bi-material handles

| L ~ | L1 mm | A mm | B mm | | |
|---|---|---|---|---|---|
| 140 | 38 | 12 | 13 | 2 | 011720102 |

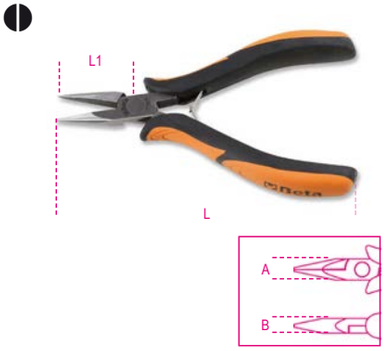
## 1173BM
round short nose pliers
bi-material handles




ISO 9655

| L ~ | L1 mm | A mm | B mm | | |
|---|---|---|---|---|---|
| 125 | 22 | 12 | 8 | 2 | 011730101 |

## 1175BM
smooth half-round short nose pliers
bi-material handles




ISO 9655

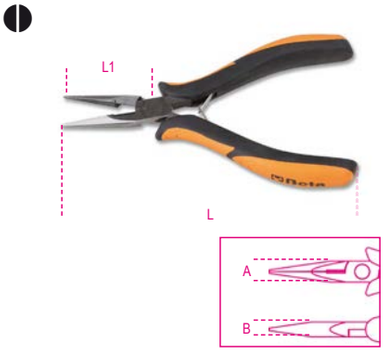
| L ~ | L1 mm | A mm | B mm | | |
|---|---|---|---|---|---|
| 140 | 29 | 12 | 8 | 2 | 011750101 |

## 1177BM
smooth half-round long nose pliers
bi-material handles

ISO 9655

| L ~ | L1 mm | A mm | B mm | | |
|---|---|---|---|---|---|
| 140 | 38 | 12 | 8 | 2 | 011770101 |

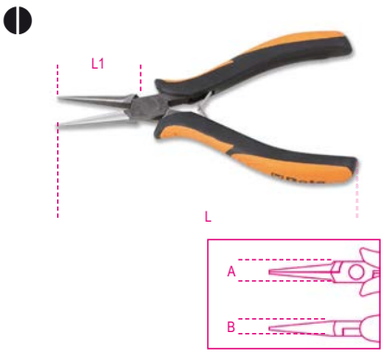
## 1177BM/Z
half-round long knurled nose pliers
bi-material handles




ISO 9655

| L ~ | L1 mm | A mm | B mm | | |
|---|---|---|---|---|---|
| 140 | 39 | 12 | 8 | 2 | 011770113 |

## 1178BM
smooth half-round long needle nose pliers
bi-material handles




ISO 9655

| L ~ | L1 mm | A mm | B mm | | |
|---|---|---|---|---|---|
| 140 | 37 | 12 | 8 | 2 | 011780101 |

## 1178BM/P
smooth half-round long bent
needle nose pliers
bi-material handles

| L ~ | L1 mm | A mm | B mm | | |
|---|---|---|---|---|---|
| 140 | 36,5 | 12 | 12 | 2 | 011780102 |

**Copper cutting nippers.**
**For heavier duty jobs see item 1081**

## 1182BM

diagonal semi-flush cutting nippers,
slim tips
bi-material handles

ISO 9654

| L mm | L1 mm | A mm | Cu mm | | |
|---|---|---|---|---|---|
| **120** | 11 | 10 | 1 | 2 | 011820101 |

## 1183BM

diagonal semi-flush cutting nippers,
rounded tips
bi-material handles

ISO 9654

| L mm | L1 mm | A mm | Cu mm | | |
|---|---|---|---|---|---|
| **120** | 11 | 10 | 1 | 2 | 011830101 |

## 1184BM

diagonal flush cutting nippers,
rounded tips
bi-material handles

ISO 9654

| L mm | L1 mm | A mm | Cu mm | | |
|---|---|---|---|---|---|
| **120** | 11 | 10 | 1 | 2 | 011840101 |
| **130** | 13 | 12,5 | 1,25 | 2 | 011840102 |

## 1185BM

diagonal flush cutting nippers,
slim tips
bi-material handles

ISO 9654

| L mm | L1 mm | A mm | Cu mm | | |
|---|---|---|---|---|---|
| **120** | 11 | 10 | 1 | 2 | 011850101 |
| **130** | 13 | 12,5 | 1,25 | 2 | 011850102 |

## 1186BM

diagonal flush cutting nippers,
slim tapering tips
bi-material handles

ISO 9654

| L mm | L1 mm | A mm | Cu mm | | |
|---|---|---|---|---|---|
| **120** | 11 | 10 | 1 | 2 | 011860101 |
| **130** | 13 | 12,5 | 1,25 | 2 | 011860102 |

## 1188BM

diagonal axial cutting nippers
bi-material handles

ISO 9654

| L mm | L1 mm | A mm | Cu mm | | |
|---|---|---|---|---|---|
| **125** | 12 | 12 | 1,25 | 2 | 011880101 |
| **130** | 17 | 15 | 2 | 2 | 011880102 |

## 1190BM

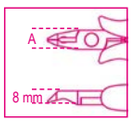
end semi-flush cutting nippers
bi-material handles

ISO 9654

| L mm | L1 mm | A mm | Cu mm | | |
|---|---|---|---|---|---|
| **120** | 12 | 12 | 1,25 | 2 | 011900113 |

## 1191BM

end flush oblique cutting nippers
bi-material handles

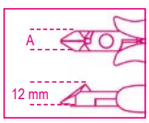



ISO 9654

| L mm | L1 mm | A mm | Cu mm | | |
|---|---|---|---|---|---|
| 130 | 8 | 12 | 0,8 | 2 | 011910101 |

## 1191BM/L

end flush long oblique cutting nippers
bi-material handles




ISO 9654

| L mm | L1 mm | A mm | Cu mm | | |
|---|---|---|---|---|---|
| 130 | 18 | 12 | 1 | 2 | 011910110 |

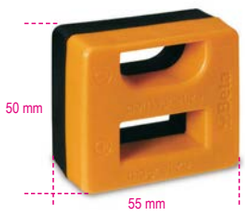
## 1191R/5-M

spare spring kit for pliers and nippers for electronics, 5 pairs (items: 1171...1191)

| | | |
|---|---|---|
| 1191R/5-M | 1 | 011910995 |

## 1200MS

magnetizer/demagnetizer




| | | |
|---|---|---|
| 1200MS | 5 | 012000000 |

# Beta EVOX

## THE EVOLUTION OF THE SCREWDRIVER!

The ergonomic design fits the palm of the hand perfectly. The large contact surface makes it possible to transmit maximum force with minimum effort.
Beta's tried-and-tested blades ensure unique elasticity, hardness and wear resistance, for top-end professional tools.
The octagonal section prevents any bothersome rolling on the worktop.
The precision area allows the screwdriver to be quickly rotated between the fingers.
The hole on the handle allows the screwdriver to hang for easy storage.
New thermoplastic rubber makes each use including heavy-duty ones even more comfortable.
The style and size of the tip is printed on the round cap for quick identification.

## 1201E
screwdriver for slotted head screws

ISO 2380

| SxAxL mm | L1 mm | Ø mm | | |
|---|---|---|---|---|
| **0,4x2,5x50** | 146 | 2,5 | 5 | 012011003 |
| **0,4X2,5x75** | 166 | 2,5 | 5 | 012011006 |
| **0,5x3x75** | 171 | 3,0 | 5 | 012011009 |
| **0,5x3x100** | 196 | 3,0 | 5 | 012011012 |
| **0,6x3,5X75** | 171 | 3,5 | 5 | 012011018 |
| **0,6x3,5x100** | 196 | 3,5 | 5 | 012011021 |
| **0,8x4x100** | 196 | 4,0 | 5 | 012011030 |
| **0,8x4x125** | 221 | 4,0 | 5 | 012011033 |
| **0,8x4X150** | 246 | 4,0 | 5 | 012011036 |
| **1,0x5,5x100** | 209 | 5,0 | 5 | 012011039 |
| **1,0x5,5X125** | 234 | 5,0 | 5 | 012011040 |
| **1,0x5,5x150** | 259 | 5,0 | 5 | 012011042 |
| **1,2x6,5X100** | 220 | 6,0 | 5 | 012011048 |
| **1,2x6,5x125** | 234 | 6,0 | 5 | 012011050 |
| **1,2x6,5x150** | 270 | 6,0 | 5 | 012011051 |
| **1,2x8x150** | 282 | 8,0 | 3 | 012011057 |
| **1,2x8X200** | 332 | 8,0 | 3 | 012011060 |
| **1,6x10x200** | 332 | 9,5 | 3 | 012011066 |

**1201E/S6** — 1 — 012011206
0,5x3x75-0,6x3,5x100
0,8x4x100-1,0x5,5x100
1,2x8x150-1,6x10x200 mm

## 1201EN
screwdriver for slotted head screws, extra-short series

ISO 2380

| SxAxL mm | L1 mm | Ø mm | | |
|---|---|---|---|---|
| **0,8x4x30** | 86,5 | 4 | 3 | 012011103 |
| **1,2x6,5x30** | 86,5 | 6 | 3 | 012011106 |

## 1201E/DZ
screwdriver for Dzus® head screws

| L mm | L1 mm | | |
|---|---|---|---|
| **53** | 173 | 2 | 012011501 |

## 1202E
screwdriver for cross head Phillips® screws

UNI-ISO 8764

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| **0x3x60** | 156 | 5 | 012021003 |
| **0x3X100** | 200 | 5 | 012021006 |
| **1x4,5x80** | 189 | 5 | 012021009 |
| **1x4,5x120** | 229 | 5 | 012021012 |
| **2x6x100** | 220 | 5 | 012021018 |
| **2x6x150** | 270 | 5 | 012021021 |
| **3x8x150** | 282 | 3 | 012021024 |
| **4x9,5x200** | 332 | 3 | 012021027 |

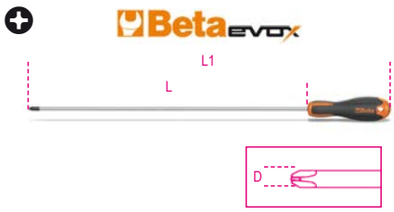
**1202E/S4** — 1 — 012021204
PH0x3x60-PH1x4,5x120
PH2x6x150-PH3x8x150 mm

## 1202EN
screwdriver for cross head Phillips® screws, extra-short series

UNI-ISO 8764

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| **1x4,5x30** | 86,5 | 3 | 012021103 |
| **2x6x30** | 86,5 | 3 | 012021106 |

## 1202EL
screwdriver for cross head Phillips® screws, long series




UNI-ISO 8764-1

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| **0x3x300** | 400 | 3 | 012021303 |
| **1x4,5x300** | 400 | 3 | 012021305 |
| **1x4,5x400** | 508 | 3 | 012021306 |
| **2x6x400** | 519 | 3 | 012021309 |

## 1203E/D
set of screwdrivers

| | | | |
|---|---|---|---|
| **1203E/D5** | | 1 | 012031001 |
| 1201E | 0,6x3,5x100-1,0x5,5x150<br>1,2x6,5x150 mm | | |
| 1202E | PH1x4,5x80-PH2x6x100 mm | | |
| **1203E/D5PZ** | | 1 | 012031003 |
| 1201E | 0,5x3x75-0,8x4x125<br>1,0x5,5x150 mm | | |
| 1209E/PZ | PZ1x4,5x80-PZ2x6x100 mm | | |
| **1203E/D6** | | 1 | 012031006 |
| 1202E | PH1x4,5x80-PH2x6x100 mm | | |
| 1204E | 0,4x2,5x60-0,5x3x100<br>0,8x4x100-1,0x5x125 mm | | |
| **1203E/D7** | | 1 | 012031007 |
| 1201E | 0,5x3x75-0,8x4x100<br>1,0x5,5x100-1,2x6,5x150 mm | | |
| 1202E | PH0x3x60-PH1x4,5x80<br>PH2x6x100 mm | | |
| **1203E/D8** | | 1 | 012031008 |
| 1201E | 0,5x3x75-0,8x4x125<br>1,0x5,5x150-1,2x6,5x150 mm | | |
| 1202E | PH0x3x60-PH1x4,5x80<br>PH2x6x100-PH3x8x150 mm | | |
| **1203E/D8P** | | 1 | 012031018 |
| 1201E | 2,5x50-3x75-4x100-5,5x100-<br>6,5x150 mm | | |
| 1202E | PH0x60-PH1x80-PH2x100 mm | | |
| **1203E/D10** | | 1 | 012031010 |
| 1201E | 0,4x2,5x50-0,5x3x75<br>0,8x4x100-1,0x5,5x100<br>1,2x6,5x150-1,2x8x150 mm | | |
| 1202E | PH0x3x60-PH1x4,5x80<br>PH2x6x100-PH3x8x150 mm | | |
| **1203E/D10N** | | 1 | 012031019 |
| 1201E | 0,4x2,5x50-0,5x3x75-0,8x4x100-<br>1,0x5,5x150-1,2x6,5x150 mm | | |
| 1201EN | 0,8x4x30 mm | | |
| 1202E | PH0x3x60-PH1x4,5x80-<br>PH2x6x100 mm | | |
| 1202EN | PH1x4,5x30 mm | | |

## 1203E/S

| | | | |
|---|---|---|---|
| **1203E/S8** | | 1 | 012031009 |
| 1201E | 2,5x50-3x75-4x100-5,5x125-6,5x150 mm | | |
| 1202E | PH0x3x60-PH1x4,5x80-PH2x6x100 mm | | |
| **1203E/S10** | | 1 | 012031021 |
| 1201E | 0,4x2,5x50-0,5x3x75<br>0,8x4x125-1,0x5,5x150<br>1,2x6,5x150-1,2x8x150 mm | | |
| 1202E | PH0x3x60-PH1x4,5x80<br>PH2x6x100-PH3x8x150 mm | | |

## 1204E

screwdriver for headless slotted screws

ISO 2380

| SxDxL mm | L1 mm | | |
|---|---|---|---|
| **0,4x2,5x60** | 156 | 5 | 012041003 |
| **0,6x3x75** | 175 | 5 | 012041006 |
| **0,5x3x100** | 196 | 5 | 012041009 |
| **0,8x4x100** | 196 | 5 | 012041012 |
| **0,8x4x125** | 233 | 5 | 012041015 |
| **1x5x125** | 234 | 5 | 012041018 |
| **1x5x150** | 258 | 5 | 012041021 |
| **1,2x6,5x150** | 270 | 5 | 012041024 |

| | | |
|---|---|---|
| **1204E/S5**<br>0,4x2,5x60-0,5x3x100<br>0,8x4x100-1x5x125<br>1,2x6,5x150 mm | 1 | 012041205 |

## 1204EL

screwdriver for headless slotted screws, long series

ISO 2380

| SxDxL mm | L1 mm | | |
|---|---|---|---|
| **0,5x2,5x200** | 300 | 3 | 012041303 |
| **0,5x3x300** | 400 | 3 | 012041306 |
| **0,8x4x400** | 508 | 3 | 012041309 |
| **1x5x400** | 508 | 3 | 012041315 |
| **1,2x6,5x400** | 519 | 3 | 012041318 |

## 1205E/ES

hexagon drivers with handles

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **1,5** | 100 | 200 | 3 | 012051315 |
| **2** | 100 | 200 | 3 | 012051320 |
| **2,5** | 100 | 200 | 3 | 012051325 |
| **3** | 100 | 200 | 3 | 012051330 |
| **4** | 100 | 208 | 3 | 012051340 |
| **5** | 100 | 219 | 3 | 012051350 |
| **6** | 125 | 244 | 3 | 012051360 |
| **8** | 150 | 277 | 2 | 012051380 |

| | | |
|---|---|---|
| **1205E/ES-S8**<br>1,5-2-2,5-3-4-5-6-8 mm | 1 | 012051408 |

## 1206E/BP

ball head hexagon drivers with handles

| mm | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **2** | 100 | 198 | 2,5 | 3 | 012061320 |
| **2,5** | 100 | 198 | 3,0 | 3 | 012061325 |
| **3** | 100 | 198 | 3,5 | 3 | 012061330 |
| **4** | 100 | 209 | 5,0 | 3 | 012061340 |
| **5** | 100 | 220 | 6,0 | 3 | 012061350 |
| **6** | 125 | 245 | 7,0 | 3 | 012061360 |
| **8** | 150 | 287 | 9,5 | 2 | 012061380 |

| | | |
|---|---|---|
| **1206E/BP-S7**<br>2-2,5-3-4-5-6-8 mm | 1 | 012061407 |

## 1207E/TX

screwdrivers for Torx® head screws, with handles

| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **T5** | 50 | 150 | 3 | 5 | 012071005 |
| **T6** | 60 | 156 | 4 | 5 | 012071006 |
| **T7** | 60 | 156 | 4 | 5 | 012071007 |
| **T8** | 60 | 156 | 4 | 5 | 012071008 |
| **T9** | 60 | 156 | 4 | 5 | 012071009 |
| **T10** | 80 | 189 | 5 | 5 | 012071010 |
| **T15** | 80 | 189 | 5 | 5 | 012071015 |
| **T20** | 100 | 209 | 5 | 5 | 012071020 |
| **T25** | 100 | 209 | 5 | 5 | 012071025 |
| **T27** | 100 | 220 | 6 | 5 | 012071027 |
| **T30** | 100 | 220 | 6 | 5 | 012071030 |
| **T40** | 130 | 262 | 7 | 2 | 012071040 |
| **T45** | 130 | 262 | 8 | 2 | 012071045 |

| | | |
|---|---|---|
| **1207E/TX-D7**<br>T6-T8-T10-T15<br>T20-T25-T30 | 1 | 012071207 |
| **1207E/TX-D13**<br>T5-T6-T7-T8-T9-T10-T15<br>T20-T25-T27-T30-T40-T45 | 1 | 012071213 |

## 1208E/RTX

screwdrivers for Tamper Resistant Torx® head screws, with handles

| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **T9** | 60 | 156 | 4 | 5 | 012081009 |
| **T10** | 80 | 189 | 5 | 5 | 012081010 |
| **T15** | 80 | 189 | 5 | 5 | 012081015 |
| **T20** | 100 | 209 | 5 | 5 | 012081020 |
| **T25** | 100 | 209 | 5 | 5 | 012081025 |
| **T27** | 100 | 220 | 6 | 5 | 012081027 |
| **T30** | 100 | 220 | 6 | 5 | 012081030 |
| **T40** | 130 | 262 | 7 | 2 | 012081040 |

**1208E/RTX-D7** 1 012081207
T9-T10-T15-T20
T25-T27-T30

## 1209E/PZ

screwdriver for cross head
Pozidriv®-Supadriv® screws

UNI-ISO 8764

| PZ | L mm | L1 mm | | |
|---|---|---|---|---|
| **0** | 60 | 156 | 5 | 012091000 |
| **1** | 80 | 189 | 5 | 012091003 |
| **2** | 100 | 220 | 5 | 012091006 |
| **3** | 150 | 282 | 3 | 012091009 |
| **4** | 200 | 327 | 3 | 012091012 |

**1209E/PZ-S4** 1 012091204
PZ0-PZ1-PZ2-PZ3

## 1209EN/PZ

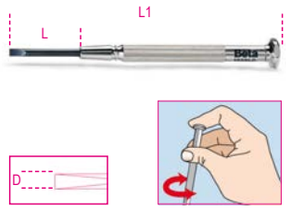
screwdriver for cross head Pozidriv®-Supadriv® screws,
extra-short series

ISO 8764

| PZ | L mm | L1 mm | | |
|---|---|---|---|---|
| **1** | 30 | 87 | 3 | 012091103 |
| **2** | 30 | 87 | 3 | 012091106 |

## 1229LP

micro-screwdrivers
for headless slotted screws

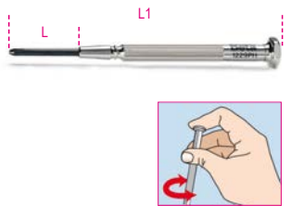



| D mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **1,0** | 17 | 75 | 5 | 012290210 |
| **1,2** | 21 | 85 | 5 | 012290212 |
| **1,4** | 21 | 89 | 5 | 012290214 |
| **1,8** | 23 | 94 | 5 | 012290218 |
| **2,0** | 23 | 98 | 5 | 012290220 |
| **2,4** | 26 | 103 | 5 | 012290224 |
| **3,0** | 28 | 108 | 5 | 012290230 |

**1229LP/A6** 1 012290300
1,2-1,4-1,8-2-2,4-3 mm

## 1229PH

micro-screwdrivers for cross head
Phillips® screws




| PH | L mm | L1 mm | | |
|---|---|---|---|---|
| **0** | 26 | 102 | 5 | 012290250 |
| **1** | 29 | 107 | 5 | 012290251 |

## 1229LPH/A6

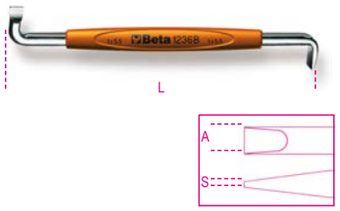
set of 6 micro-screwdrivers
items 1229LP-1229PH

**1229LPH/A6** 1 012290310

| | |
|---|---|
| 1229LP | 1,4-2,0-2,4-3 mm |
| 1229PH | PH0-PH1 |

## 1236B

offset screwdrivers
for slotted head screws




UNI 7079 DIN 5200

| SxA mm | L mm | | |
|---|---|---|---|
| **0,8x4** | 100 | 5 | 012360201 |
| **1x5,5** | 125 | 5 | 012360202 |
| **1,2x8** | 150 | 5 | 012360204 |

## 1238B

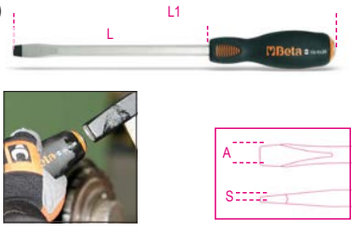
offset screwdrivers
for cross head Phillips® screws

UNI 7083 DIN 5208

| PH | L mm | | |
|---|---|---|---|
| **1-2** | 125 | 5 | 012380201 |
| **3-4** | 200 | 5 | 012380203 |

## 1241

screwdrivers with steel head for slotted head screws

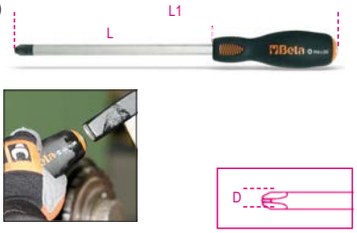



ISO 2380

| SxAxL mm | L1 mm | | |
|---|---|---|---|
| **1x5,5x100** | 202 | 5 | 012410039 |
| **1,2x6,5x125** | 240 | 5 | 012410050 |
| **1,2x8x150** | 268 | 3 | 012410057 |
| **1,6x10x200** | 325 | 2 | 012410066 |

## 1242

screwdrivers with steel head for cross head
Phillips® screws



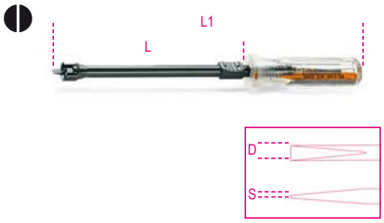

UNI/ISO 8764

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| **1x4,5x100** | 202 | 5 | 012420209 |
| **2x6x100** | 215 | 5 | 012420218 |
| **3x8x150** | 268 | 3 | 012420221 |
| **4x11x200** | 325 | 2 | 012420224 |

## 1243/D7
Set of 7 screwdrivers with steel heads

| 1243/D7 | | 1 | 012430017 |
|---|---|---|---|
| 1241 | 1x5,5x100-1,2x6,5x125<br>1,2x8x150-1,6x10x200 mm | | |
| 1242 | PH1x4,5x100-PH2x6x100<br>PH3x8x150 mm | | |

## 1250
screwholding screwdrivers
for slotted head screws




| SxDxL mm | L1 mm | | |
|---|---|---|---|
| 0,5x3x125 | 190 | 5 | 012500030 |
| 0,6x4x125 | 225 | 5 | 012500040 |
| 0,7x5x150 | 255 | 5 | 012500050 |

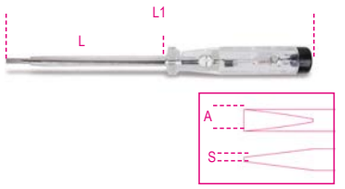
## 1251
screwholding screwdrivers
for cross head Phillips® screws

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| 0x4x125 | 225 | 5 | 012510000 |
| 1x5x150 | 255 | 5 | 012510010 |
| 2x6x175 | 280 | 5 | 012510020 |

## 1252/S5

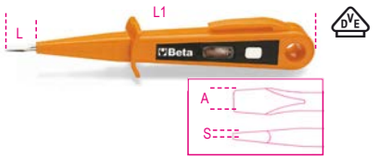
| 1252/S5 | | 1 | 012520001 |
|---|---|---|---|
| 1250 | 0,5x3x125-0,6x4x125<br>0,7x5x150 mm | | |
| 1251 | PH1x5x150-PH2x6x175 mm | | |

## 1253
mains testing screwdriver 150/250V



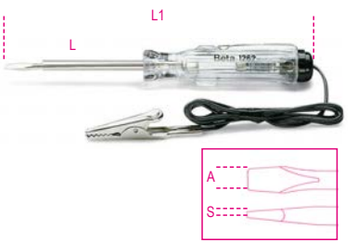

| SxAxL mm | L1 mm | | |
|---|---|---|---|
| 0,5x3,5x100 | 190 | 5 | 012530001 |

## 1253A
mains testing screwdriver 125/250V,
double insulation




| SxAxL mm | L1 mm | | |
|---|---|---|---|
| 0,5x3x15 | 150 | 5 | 012530010 |

## 1254
circuit testing screwdriver 6-24V




| SxAxL mm | L1 mm | | |
|---|---|---|---|
| 0,5x3x44 | 123 | 5 | 012540001 |

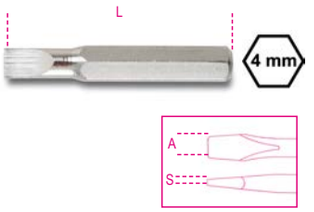
## 1256/C36-2
microscrewdriver with 36 interchangeable
4-mm bits and magnetic extension

| 1256/C36-2 | | 1 | 012560100 |
|---|---|---|---|

| | | |
|---|---|---|
| 1256TX | T3 - T4 -T5 - T6 - T7<br>T8 - T9 - T10 - T15 |
| 1256RTX | T6 - T7 - T8 - T9 - T10 |
| 1256LP | 0,8 - 1,2 - 1,5 - 1,8 - 2 - 2,5<br>3 - 3,5 - 4 mm |
| 1256PE | 0,7 - 0,9 - 1,3 - 1,5 - 2 mm |
| 1256PH | PH000 - PH00 - PH0 - PH1 |
| 1256PZ | PZ000 - PZ00 - PZ0 - PZ1 |
| 1256/20 | |
| 1256/30 | |

130x60x35 mm - 200 g

## 1256LP
4-mm bits
for slotted head screws




| SxA mm | L mm | | |
|---|---|---|---|
| 0.25x0.8 | 27 | 5 | 012560001 |
| 0.25x1.2 | 27 | 5 | 012560002 |
| 0.3x1.5 | 27 | 5 | 012560003 |
| 0.35x1.8 | 27 | 5 | 012560004 |
| 0.4x2.0 | 27 | 5 | 012560005 |
| 0.4x2.5 | 27 | 5 | 012560006 |
| 0.5x3.0 | 27 | 5 | 012560007 |
| 0.6x3.5 | 27 | 5 | 012560008 |
| 0.8x4.0 | 27 | 5 | 012560009 |

## 1256PH
4-mm bits
for cross head Phillips® screws

| PH | L mm | | |
|---|---|---|---|
| 000 | 27 | 5 | 012560011 |
| 00 | 27 | 5 | 012560012 |
| 0 | 27 | 5 | 012560013 |
| 1 | 27 | 5 | 012560014 |

## 1256PZ
4-mm bits
for slotted head Pozidriv® - Supradriv® screws

| PZ | L mm | | |
|---|---|---|---|
| 000 | 27 | 5 | 012560061 |
| 00 | 27 | 5 | 012560062 |
| 0 | 27 | 5 | 012560063 |
| 1 | 27 | 5 | 012560064 |

## 1256PE
4-mm bits
for hexagon head screws

| mm | L mm | | |
|---|---|---|---|
| 0.7 | 27 | 5 | 012560021 |
| 0.9 | 27 | 5 | 012560022 |
| 1.3 | 27 | 5 | 012560023 |
| 1.5 | 27 | 5 | 012560024 |
| 2.0 | 27 | 5 | 012560025 |

## 1256TX

4-mm bits
for Torx® head screws

| | L mm | | |
|---|---|---|---|
| T3 | 27 | 5 | 012560041 |
| T4 | 27 | 5 | 012560042 |
| T5 | 27 | 5 | 012560043 |
| T6 | 27 | 5 | 012560044 |
| T7 | 27 | 5 | 012560045 |
| T8 | 27 | 5 | 012560046 |
| T9 | 27 | 5 | 012560047 |
| T10 | 27 | 5 | 012560048 |
| T15 | 27 | 5 | 012560049 |

## 1256RTX

4-mm bits
for Tamper Resistant Torx® head screws

| | L mm | | |
|---|---|---|---|
| T6 | 27 | 5 | 012560051 |
| T7 | 27 | 5 | 012560052 |
| T8 | 27 | 5 | 012560053 |
| T9 | 27 | 5 | 012560054 |
| T10 | 27 | 5 | 012560055 |

## 1256/20

hexagon drive extension, 4 mm

| | | |
|---|---|---|
| 1256/20 | 5 | 012560092 |

## 1256/30

4-mm bit holder with handle

| L mm | | |
|---|---|---|
| 110 | 2 | 012560097 |

## 1257LP

micro-screwdrivers
for slotted head screws

| SxD mm | L mm | | |
|---|---|---|---|
| 0,25x1,2 | 60 | 5 | 012570012 |
| 0,23x1,5 | 60 | 5 | 012570015 |
| 0,3x1,8 | 60 | 5 | 012570018 |
| 0,4x2 | 60 | 5 | 012570020 |
| 0,4x2,5 | 60 | 5 | 012570024 |
| 0,5x3 | 60 | 5 | 012570030 |
| 0,6x3,5 | 60 | 5 | 012570035 |
| 0,8x4 | 60 | 5 | 012570040 |

| | | |
|---|---|---|
| 1257LP/S8<br>0,2x1,2-0,25x1,5<br>0,3x1,8-0,4x2-0,4x2,5<br>0,5x3-0,6x3,5-0,8x4 mm | 1 | 012570200 |

## 1257PH

micro-screwdrivers
for cross-head Phillips® screws

| PH | L mm | | |
|---|---|---|---|
| 00 | 60 | 5 | 012570060 |
| 0 | 60 | 5 | 012570063 |
| 1 | 60 | 5 | 012570066 |

## 1257LPH/S8

| | | |
|---|---|---|
| 1257LPH/S8 | 1 | 012570210 |
| 1257PH PH00-PH0-PH1<br>1257LP 0,4x2-0,4x2,5-0,5x3<br>0,6x3,5-0,8x4 mm | | |

## 1257ES

micro-screwdrivers hexagon male ends

| mm | L mm | | |
|---|---|---|---|
| 0,9 | 60 | 5 | 012570045 |
| 1,3 | 60 | 5 | 012570046 |
| 1,5 | 60 | 5 | 012570047 |
| 2 | 60 | 5 | 012570048 |
| 2,5 | 60 | 5 | 012570049 |
| 3 | 60 | 5 | 012570050 |

## 1257ESB/S8

| | | |
|---|---|---|
| 1257ESB/S8 | 1 | 012570230 |
| 1257ES 0,9-1,3-1,5-2-2,5-3 mm<br>1257BE 4-5 mm | | |

## 1257TX

micro-screwdrivers for Torx®
head screws

| | L mm | | |
|---|---|---|---|
| T5 | 60 | 5 | 012570075 |
| T6 | 60 | 5 | 012570076 |
| T7 | 60 | 5 | 012570077 |
| T8 | 60 | 5 | 012570078 |
| T9 | 60 | 5 | 012570079 |
| T10 | 60 | 5 | 012570080 |
| T15 | 60 | 5 | 012570081 |
| T20 | 60 | 5 | 012570082 |

| | | |
|---|---|---|
| 1257TX/S8<br>T5-T6-T7-T8<br>T9-T10-T15-T20 | 1 | 012570220 |

## 1257BE

micro-screwdrivers hexagon socket wrenches

| mm | L mm | | |
|---|---|---|---|
| 3,2 | 60 | 5 | 012570085 |
| 4 | 60 | 5 | 012570086 |
| 5 | 60 | 5 | 012570087 |
| 5,5 | 60 | 5 | 012570088 |

The BetaGrip screwdrivers are the fruit of Beta's long expertise in screwdriver design and close cooperation with the mechanics of motor racing teams.
New, one-of-a-kind technical solutions capable of satisfying the most demanding professionals' requirements have been used with a view to achieving the highest standards as regards ergonomics, strength and quality of the materials.

- The **blade** is made from special steel with a high silicon, chromium and vanadium content, to ensure improved performance in terms of torsional and flexural strength.
A non-glare, matt chrome-plated finish has been chosen.
- The **geometry of the tip** has been designed to ensure perfect coupling between the blade and the screw head. The phosphate-coated finish prevents the tip from getting oxidized, while maintaining precise profiles.
- The **texture** has been inspired by the treads of Racing tyres, developed to maximize grip on different grounds. Hence it ensures effective screwdriver hold under any working conditions, for enhanced precision and control when fitting the tip onto the screw.

## 1260
screwdrivers for slotted head screws

ISO 2380

| SxAxL mm | L1 mm | Ø mm | | |
|---|---|---|---|---|
| **0,4x2,5x50** | 150 | 2,5 | 5 | 012600003 |
| **0,4x2,5x75** | 175 | 2,5 | 5 | 012600006 |
| **0,5x3x75** | 175 | 3,0 | 5 | 012600009 |
| **0,5x3x100** | 200 | 3,0 | 5 | 012600012 |
| **0,6x3,5x75** | 175 | 3,5 | 5 | 012600018 |
| **0,6x3,5x100** | 200 | 3,5 | 5 | 012600021 |
| **0,8x4x100** | 208 | 4,0 | 5 | 012600030 |
| **0,8x4x125** | 233 | 4,0 | 5 | 012600033 |
| **0,8x4x150** | 258 | 4,0 | 5 | 012600036 |
| **1x5,5x100** | 208 | 5,0 | 5 | 012600039 |
| **1x5,5x125** | 233 | 5,0 | 5 | 012600040 |
| **1x5,5x150** | 258 | 5,0 | 5 | 012600042 |
| **1,2x6,5x100** | 219 | 6,0 | 5 | 012600048 |
| **1,2x6,5x125** | 244 | 6,0 | 5 | 012600050 |
| **1,2x6,5x150** | 269 | 6,0 | 5 | 012600051 |
| **1,2x8x150** | 277 | 8,0 | 3 | 012600057 |
| **1,2x8x200** | 327 | 8,0 | 3 | 012600060 |
| **1,6x10x200** | 327 | 9,5 | 3 | 012600066 |
| **2x12x250** | 377 | 10 | 3 | 012600069 |
| **2x14x250** | 377 | 10 | 2 | 012600073 |

| | | |
|---|---|---|
| **1260/S6**<br>0,4x2,5x75-0,5x3x75-0,8x4x125<br>1x5,5x150-1,2x6,5x150-1,2x8x200 mm | 1 | 012600306 |

## 1260N
screwdrivers for slotted head screws, extra-short series

ISO 2380

| SxAxL mm | L1 mm | Ø mm | | |
|---|---|---|---|---|
| **0,8x4x30** | 87 | 4 | 5 | 012600103 |
| **1,2x6,5x30** | 87 | 6 | 5 | 012600106 |

## 1260E

screwdrivers for slotted head screws with hexagon bolsters

ISO 2380

| SxAxL mm | L1 mm | Ø mm | | |
|---|---|---|---|---|
| 1,2x6,5x150 | 269 | 6,0 | 3 | 012600156 |
| 1,2x8x175 | 301 | 8,0 | 3 | 012600157 |
| 1,6x10x200 | 327 | 9,5 | 2 | 012600159 |
| 2x12x250 | 377 | 9,5 | 2 | 012600162 |

## 1260MC

screwdriver for slotted head screws, coloured

| SxAxL mm | L1 mm | Ø mm | | |
|---|---|---|---|---|
| 0,4x2,5x50 | 150 | 2,5 | 3 | 012602003 |
| 0,6x3,5x75 | 175 | 3,5 | 3 | 012602018 |
| 0,8x4x100 | 208 | 4,0 | 3 | 012602030 |
| 1x5,5x125 | 233 | 5,0 | 5 | 012602040 |
| 1,2x6,5x150 | 269 | 6,0 | 5 | 012602051 |

## 1262

screwdrivers for cross head Phillips® screws

UNI/ISO 8764

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| 0x3x60 | 160 | 5 | 012620003 |
| 0x3x100 | 200 | 5 | 012620006 |
| 1x4,5x80 | 188 | 5 | 012620009 |
| 1x4,5x120 | 228 | 5 | 012620012 |
| 2x6x100 | 219 | 5 | 012620018 |
| 2x6x150 | 269 | 5 | 012620021 |
| 3x8x150 | 277 | 3 | 012620024 |
| 4x10x200 | 327 | 3 | 012620027 |

| | | |
|---|---|---|
| 1262/S4 | 1 | 012620304 |
| PH0x3x60-PH1x4,5x80<br>PH2x6x100-PH3x8x150 mm | | |

## 1262N

screwdrivers for cross head Phillips® screws, extra-short series

UNI/ISO 8764

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| 1x4,5x30 | 87 | 5 | 012620103 |
| 2x6x30 | 87 | 5 | 012620106 |

## 1262E

screwdrivers for cross head Phillips® screws with hexagon bolsters

UNI/ISO 8764

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| 2x6x150 | 269 | 3 | 012620153 |
| 3x8x175 | 302 | 3 | 012620156 |
| 4x10x200 | 327 | 2 | 012620159 |

## 1262L

screwdrivers for cross head Phillips® screws, long series

UNI/ISO 8764-1

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| 0x3x300 | 400 | 3 | 012620203 |
| 1x4,5x300 | 400 | 3 | 012620205 |
| 1x4,5x400 | 508 | 3 | 012620206 |
| 2x6x400 | 519 | 3 | 012620209 |

## 1262MC

screwdriver for cross head Phillips® screws, coloured

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| 0x3x60 | 160 | 3 | 012622003 |
| 1x4,5x80 | 188 | 3 | 012622009 |
| 2x6x100 | 219 | 3 | 012622018 |

## 1263/D...

set of screwdrivers

| | | | |
|---|---|---|---|
| 1263/D6 | | 1 | 012630006 |
| 1260 | 0,5x3x75-0,8x4x100<br>1x5,5x125-1,2x6,5x150 mm | | |
| 1262 | PH1x4,5x80-PH2x6x100 mm | | |
| 1263/D7 | | 1 | 012630017 |
| 1262 | PH0x3x60<br>PH1x4,5x80<br>PH2x6x100 mm | | |
| 1264 | 0,5x2,5x60-0,6x3x100<br>0,8x4x125-1x5x125 mm | | |
| 1263/D7PZ | | 1 | 012630007 |
| 1260 | 0,5x3x75-0,8x4x100<br>1x5,5x150-1,2x6,5X150 mm | | |
| 1269PZ | PZ0 - PZ1 - PZ2 | | |
| 1263/D8 | | 1 | 012630008 |
| 1260 | 0,4x2,5x50-0,5x3x75<br>0,8x4x100-1x5,5x125<br>1,2x6,5X150 mm | | |
| 1262 | PH0x3x60-PH1x4,5x80<br>PH2x6x100 mm | | |
| 1263/D10 | | 1 | 012630010 |
| 1260 | 0,5x3x75-0,6x3,5x100<br>0,8x4x125-1x5,5x150<br>1,2x6,5X150 mm | | |
| 1260N | 0,8x4x30 | | |
| 1262 | PH0x3x60-PH1x4,5x80<br>PH2x6x100 mm | | |
| 1262N | PH1x4,5x30 | | |

## 1263/S12

set of 12 screwdrivers

| 1263/S12 | | 1 | 012630112 |
|---|---|---|---|
| 1260 | 0,4x2,5x50-0,5x3x75<br>0,6x3,5x100-0,8x4x125<br>1x5,5x125-1,2x6,5x150<br>1,2x8x200-1,6x10x200 mm | | |
| 1262 | PH0x3x60-PH1x4,5x80<br>PH2x6x100-PH3x8x150 mm | | |

## 1263MC/D8

set of 8 coloured screwdrivers

| 1263MC/D8 | | 1 | 012632008 |
|---|---|---|---|
| 1260MC | 0,4x2,5x50-0,5x3x75<br>0,8x4x100-1x5,5x125<br>1,2x6,5X150 mm | | |
| 1262MC | PH0x3x60-PH1x4,5x80<br>PH2x6x100 mm | | |

## 1264

screwdrivers for headless slotted screws

| SxDxL mm | L1 mm | | |
|---|---|---|---|
| 0,5x2,5x60 | 160 | 5 | 012640003 |
| 0,6x3x75 | 175 | 5 | 012640006 |
| 0,6x3x100 | 200 | 5 | 012640009 |
| 0,8x4x100 | 208 | 5 | 012640012 |
| 0,8x4x125 | 233 | 5 | 012640015 |
| 1x5x125 | 233 | 5 | 012640018 |
| 1x5x150 | 258 | 5 | 012640021 |
| 1,2x6,5x150 | 269 | 5 | 012640024 |

| 1264/S5 | | 1 | 012640305 |
|---|---|---|---|
| 0,5x2,5x60-0,6x3x75<br>0,8x4x100-1x5x125-1,2x6,5x150 mm | | | |

## 1264L

screwdrivers for headless slotted screws, long series

| SxDxL mm | L1 mm | | |
|---|---|---|---|
| 0,5x2,5x200 | 300 | 3 | 012640203 |
| 0,6x3x300 | 400 | 3 | 012640206 |
| 0,8x4x400 | 508 | 3 | 012640209 |
| 1x5x400 | 508 | 3 | 012640215 |
| 1,2x6,5x400 | 519 | 3 | 012640218 |

## 1265ES

hexagon drivers with handles

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 1,5 | 100 | 200 | 3 | 012650015 |
| 2 | 100 | 200 | 3 | 012650020 |
| 2,5 | 100 | 200 | 3 | 012650025 |
| 3 | 100 | 200 | 3 | 012650030 |
| 4 | 100 | 208 | 3 | 012650040 |
| 5 | 100 | 219 | 3 | 012650050 |
| 6 | 125 | 244 | 3 | 012650060 |
| 8 | 150 | 277 | 2 | 012650080 |

| 1265ES/S8 | | 1 | 012650308 |
|---|---|---|---|
| 1,5-2-2,5-3-4-5-6-8 mm | | | |

## 1266BP

ball head hexagon drivers with handles

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 2 | 100 | 200 | 3 | 012660020 |
| 2,5 | 100 | 200 | 3 | 012660025 |
| 3 | 125 | 225 | 3 | 012660030 |
| 4 | 125 | 233 | 3 | 012660040 |
| 5 | 120 | 239 | 3 | 012660050 |
| 6 | 140 | 259 | 3 | 012660060 |
| 8 | 160 | 287 | 2 | 012660080 |
| 10 | 160 | 287 | 2 | 012660100 |

| 1266BP/S8 | | 1 | 012660308 |
|---|---|---|---|
| 2-2,5-3-4-5-6-8-10 mm | | | |

## 1267TX

drivers for Torx® head screws, with handles

| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| T5 | 50 | 150 | 3 | 5 | 012670005 |
| T6 | 50 | 150 | 3 | 5 | 012670006 |
| T7 | 50 | 150 | 3 | 5 | 012670007 |
| T8 | 60 | 160 | 3 | 5 | 012670008 |
| T9 | 60 | 167 | 4 | 5 | 012670009 |
| T10 | 80 | 188 | 4 | 5 | 012670010 |
| T15 | 80 | 188 | 4 | 5 | 012670015 |
| T20 | 100 | 208 | 4,5 | 5 | 012670020 |
| T25 | 100 | 208 | 5 | 5 | 012670025 |
| T27 | 115 | 234 | 6 | 5 | 012670027 |
| T30 | 115 | 234 | 6 | 5 | 012670030 |
| T40 | 130 | 257 | 7 | 2 | 012670040 |
| T45 | 130 | 257 | 8 | 2 | 012670045 |

**1267TX/D7** — 1 — 012670307
T6-T8-T10-T15
T20-T25-T30

**1267TX/S13** — 1 — 012670312
T5-T6-T7-T8-T9
T10-T15-T20-T25
T27-T30-T40-T45

## 1267MC/TX

drivers for Torx® head screws, with handles, coloured

| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **T6** | 50 | 150 | 3 | 5 | 012672006 |
| **T8** | 60 | 160 | 3 | 5 | 012672008 |
| **T10** | 80 | 188 | 4 | 5 | 012672010 |
| **T15** | 80 | 188 | 4 | 5 | 012672015 |
| **T20** | 100 | 208 | 4,5 | 5 | 012672020 |
| **T25** | 100 | 208 | 5 | 3 | 012672025 |
| **T30** | 115 | 234 | 6 | 3 | 012672030 |

**1267MC/TX-D7** — 1 — 012672307
T6-T8-T10-T15
T20-T25-T30

## 1268RTX

screwdrivers for Tamper Resistant Torx® head screws, with handles

| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **T9** | 60 | 167 | 4,0 | 3 | 012680009 |
| **T10** | 80 | 188 | 4,0 | 3 | 012680010 |
| **T15** | 80 | 188 | 4,0 | 3 | 012680015 |
| **T20** | 100 | 208 | 4,5 | 3 | 012680020 |
| **T25** | 100 | 208 | 5,0 | 3 | 012680025 |
| **T27** | 115 | 234 | 6,0 | 3 | 012680027 |
| **T30** | 115 | 234 | 6,0 | 3 | 012680030 |
| **T40** | 130 | 257 | 7,0 | 2 | 012680040 |

**1268RTX/S8** — 1 — 012680307
T9-T10-T15-T20
T25-T27-T30-T40

## 1269PZ

screwdrivers for cross head Pozidriv®-Supadriv® screws

UNI/ISO 8764

| PZ | L mm | L1 mm | | |
|---|---|---|---|---|
| **0** | 60 | 160 | 5 | 012690000 |
| **1** | 80 | 188 | 5 | 012690001 |
| **2** | 100 | 219 | 5 | 012690002 |
| **3** | 150 | 277 | 3 | 012690003 |
| **4** | 200 | 327 | 3 | 012690004 |

**1269PZ/S4** — 1 — 012690304
PZ0-PZ1-PZ2-PZ3

## 1269N/PZ

screwdrivers for cross head Pozidriv®-Supadriv® screws, extra-short series

UNI/ISO 8764

| PZ | L mm | L1 mm | | |
|---|---|---|---|---|
| **1** | 30 | 87 | 5 | 012690011 |
| **2** | 30 | 87 | 5 | 012690012 |

## 1281BG

interchangeable blade screwdriver handle

| L mm | ● mm | | |
|---|---|---|---|
| **118** | 10 | 5 | 012810280 |

## 1281PM

quick-fit magnetic bit holder

| L mm | | |
|---|---|---|
| **165** | 5 | 012810292 |

## 1281PB

socket holder with 1/4" male drive

| L mm | | |
|---|---|---|
| **175** | 5 | 012810293 |

## 1281LP

reversible screwdrivers for slotted head screws

**1281LP/1** — 5 — 012810302
0,8x4-1,2x6,5 mm

**1281LP/2** — 5 — 012810304
1x5,5-1,2x6,5 mm

## 1281PH
reversible screwdrivers
for cross head Phillips® screws

| PH | | |
|---|---|---|
| 1-2 | 5 | 012810310 |
| 2-3 | 5 | 012810312 |

## 1281LPH
reversible screwdrivers
for slotted and Phillips® head screws

| | | |
|---|---|---|
| **1281LPH/1**<br>PH0-0,8X4 mm | 5 | 012810321 |
| **1281LPH/2**<br>PH1-1x5,5 mm | 5 | 012810322 |
| **1281LPH/3**<br>PH2-1,2x6,5 mm | 5 | 012810323 |

## 1281PZ
reversible screwdrivers
for cross head Pozidriv®-Supadriv® screws

| PZ | | |
|---|---|---|
| 1-2 | 5 | 012810330 |
| 2-3 | 5 | 012810332 |

## 1281PE
reversible ball head hexagon
screwdriver blades

| mm | | |
|---|---|---|
| 2,5 | 5 | 012810342 |
| 3 | 5 | 012810343 |
| 4 | 5 | 012810344 |
| 5 | 5 | 012810345 |
| 6 | 5 | 012810346 |

## 1281TX
reversible screwdrivers for Torx® head screws

| | | |
|---|---|---|
| **1281TX/1**<br>T6-T8 | 5 | 012810349 |
| **1281TX/2**<br>T7-T9 | 5 | 012810350 |
| **1281TX/3**<br>T10-T15 | 5 | 012810351 |
| **1281TX/4**<br>T20-T25 | 5 | 012810352 |
| **1281TX/5**<br>T30-T40 | 5 | 012810353 |

## 1281RTX
reversible screwdrivers
for Tamper Resistant Torx® head screws

| | | |
|---|---|---|
| **1281RTX/3**<br>T10-T15 | 5 | 012810361 |
| **1281RTX/4**<br>T20-T25 | 5 | 012810362 |
| **1281RTX/5**<br>T30-T40 | 5 | 012810363 |

## 1281BG/A9
assortment of 9 reversible screwdrivers
and 1 accessory in case

1/4"

| | | |
|---|---|---|
| **1281BG/A9** | 1 | 012810520 |

- **1281BG**
- **1281LPH/1** PH0-0,8x4 mm
- **1281LPH/2** PH1-1x5,5 mm
- **1281LPH/3** PH2-1,2x6,5 mm
- **1281PZ/1** PZ1-PZ2
- **1281PE** 2,5 mm
- **1281PE** 3 mm
- **1281PE** 4 mm
- **1281PE** 5 mm
- **1281PE** 6 mm

## 1281BG-TX/A8
assortment of 8 reversible screwdrivers
and 1 accessory in case

1/4"

| | | |
|---|---|---|
| **1281BG-TX/A8** | 1 | 012810530 |

- **1281BG**
- **1281LPH/1** PH0-0,8x4 mm
- **1281LPH/2** PH1-1x5,5 mm
- **1281LPH/3** PH2-1,2x6,5 mm
- **1281TX/1** T6-T8
- **1281TX/2** T7-T9
- **1281TX/3** T10-T15
- **1281TX/4** T20-T25
- **1281TX/5** T30-T40

## 1281BG/B28NA
assortment of 16 reversible screwdrivers, 9 1/4" sockets, 2 accessories and 1 handle, in durable polyester wallet

1/4"

| | | |
|---|---|---|
| **1281BG/B28NA** | 1 | 012810511 |

- **900** 4 - 4,5 - 5 - 5,5 6 - 7 - 8 - 9 - 10 mm
- **1281BG**
- **1281PB** ■ 1/4
- **900/25**
- **1281LP/1** 0,8x4 - 1,2x6,5 mm
- **1281LP/2** 1,0x5,5 - 1,2x6,5 mm
- **1281PH/1** PH1 - PH2
- **1281PH/2** PH2 - PH3
- **1281PZ/1** PZ1 - PZ2
- **1281PZ/2** PZ2 - PZ3
- **1281PE** 2,5 - 3 - 4 - 5 - 6 mm
- **1281TX/1** T6 - T8
- **1281TX/2** T7 - T9
- **1281RTX/3** T10 - T15
- **1281RTX/4** T20 - T25
- **1281RTX/5** T30 - T40

| | | |
|---|---|---|
| **2002/BV7-ZIP** | 1 | 020020060 |

Betamax
MAXIMUM PERFORMANCE

The **BetaMax screwdrivers** rely on several technical characteristics to make work operations even easier.

- The handle is inspired by the triangular section, which ensures optimal screwing, based on a 120° range, in line with maximum wrist rotation.
- The design provides remarkable ergonomic properties, during both quick screwing and tightening operations.
- The chrome-plating free tip ensures perfect coupling with the screw and is protected from oxidation with phosphate-coating treatment.

## 1290

screwdrivers for slotted head screws

ISO 2380

| SxAxL mm | L1 mm | Ø mm | | |
|---|---|---|---|---|
| **0,4x2,5x50** | 146 | 2,5 | 5 | 012900003 |
| **0,4x2,5x75** | 171 | 2,5 | 5 | 012900006 |
| **0,5x3x75** | 171 | 3,0 | 10 | 012900009 |
| **0,5x3x100** | 196 | 3,0 | 10 | 012900012 |
| **0,6x3,5x75** | 171 | 3,5 | 10 | 012900018 |
| **0,6x3,5x100** | 196 | 3,5 | 10 | 012900021 |
| **0,8x4x100** | 196 | 4,0 | 10 | 012900030 |
| **0,8x4x125** | 221 | 4,0 | 10 | 012900033 |
| **0,8x4x150** | 246 | 4,0 | 10 | 012900036 |
| **1x5,5x100** | 209 | 5,0 | 10 | 012900039 |
| **1x5,5x150** | 259 | 5,0 | 10 | 012900042 |
| **1,2x6,5x100** | 220 | 6,0 | 10 | 012900048 |
| **1,2x6,5x150** | 270 | 6,0 | 10 | 012900051 |
| **1,2x8x150** | 282 | 7,0 | 3 | 012900057 |
| **1,2x8x200** | 332 | 7,0 | 3 | 012900060 |
| **1,6x10x200** | 332 | 8,0 | 3 | 012900066 |
| **2x12x250** | 382 | 10 | 2 | 012900069 |

## 1290/S

screwdriver set

| | | | |
|---|---|---|---|
| **1290/S5** | | 1 | 012900305 |
| 1290 | 0,5x3x75-0,8x4x100 -1x5,5x150 1,2x6,5x150 -1,2x8x150 mm | | |

| | | | |
|---|---|---|---|
| **1290/S9X** | | 1 | 012900319 |
| 1290 | 0,4x2,5x75 - 0,5x3,5x100 0,8x4x125 - 1x5,5x150 1,2x6,5x150 - 1,2x8x200 1,6x10x200 mm | | |
| 1290N | 0,8x4x30 -1,2x6,5x30 mm | | |

## 1290N

screwdrivers for slotted head screws extra short series

ISO 2380

| SxAxL mm | L1 mm | Ø mm | | |
|---|---|---|---|---|
| **0,8x4x30** | 86 | 4 | 5 | 012900103 |
| **1,2x6,5x30** | 86 | 6 | 5 | 012900106 |

## 1292

screwdrivers for cross head Phillips® screws

UNI/ISO 8764

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| **0x3x60** | 156 | 10 | 012920003 |
| **0x3x100** | 196 | 5 | 012920006 |
| **1x4,5x80** | 189 | 10 | 012920009 |
| **1x4,5x120** | 229 | 10 | 012920012 |
| **2x6x100** | 220 | 10 | 012920018 |
| **2x6x150** | 270 | 10 | 012920021 |
| **3x8x150** | 282 | 3 | 012920024 |
| **4x10x200** | 332 | 3 | 012920027 |

| | | | |
|---|---|---|---|
| **1292/S4** PH0x3x60-PH1x4,5x80 PH2x6x100-PH3x8x150 mm | | 1 | 012920304 |

## 1292N

screwdrivers for cross head Phillips® screws extra short series

UNI/ISO 8764

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| **1x4,5x30** | 86 | 5 | 012920103 |
| **2x6x30** | 86 | 5 | 012920106 |

## 1292L

screwdrivers for cross head Phillips® screws, long series

UNI/ISO 8764-1

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| **0x3x300** | 396 | 3 | 012920203 |
| **1x4,5x400** | 509 | 3 | 012920206 |
| **2x6x400** | 520 | 3 | 012920209 |

## 1293/D...
screwdriver set

**1293/D6** — 1 — 012930401

| | |
|---|---|
| 1290 | 0,6x3,5x75-1x5,5x150<br>1,2x6,5x150 mm |
| 1292 | PH0x3x60 -PH1x4,5x80<br>PH2x6x100 mm |

**1293/D8** — 1 — 012930403

| | |
|---|---|
| 1290 | 0,5x3x75-0,8x4x100<br>1x5,5x150-1,2x6,5x150<br>1,2x8x150 mm |
| 1292 | PH0x3x60 -PH1x4,5x80<br>PH2x6x100 mm |

## 1293/S...
screwdriver set

**1293/S8** — 1 — 012930208

| | |
|---|---|
| 1290 | 2,5x50-3x75-4x100-5,5x150<br>6,5x150 mm |
| 1292 | PH0x3x60-PH1x4,5x80<br>PH2x6x100 mm |

**1293/S10** — 1 — 012930201

| | |
|---|---|
| 1290 | 0,4x2,5x50 -0,6x3,5x100<br>1x5,5x100-1,2x6,5x150<br>1,2x8x150-1,6x10x200 mm |
| 1292 | PH0x3x60 -PH1x4,5x80<br>PH2x6x100-PH3x8x150 mm |

**1293/S12** — 1 — 012930203

| | |
|---|---|
| 1290 | 0,5x3x75-0,8x4x125<br>1x5,5x150-1,2x6,5x150<br>1,2x8x200 mm |
| 1290N | 0,8x4x30 mm |
| 1292 | PH0x3x60 -PH1x4,5x80<br>PH2x6x100-PH3x8x150 mm |
| 1292N | PH1x4,5x30-PH2x6x30 mm |

**1293/S7** — 1 — 012930207

| | |
|---|---|
| 1292 | PH0x3x60 -PH1x4,5x80<br>PH2x6x100 mm |
| 1294 | 0,5x2,5x60-0,6x3x75<br>0,8x4x100-1x5x125 mm |

## 1293ES
hexagon drivers with handles

| mm | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **2** | 100 | 196 | 3 | 5 | 012930001 |
| **2,5** | 100 | 196 | 4 | 5 | 012930002 |
| **3** | 100 | 196 | 4 | 5 | 012930003 |
| **4** | 100 | 196 | 5 | 5 | 012930004 |
| **5** | 100 | 209 | 6 | 5 | 012930005 |
| **6** | 125 | 245 | 7 | 5 | 012930006 |
| **8** | 150 | 282 | 10 | 2 | 012930008 |

**1293ES/S7** — 1 — 012930057
2-2,5-3-4-5-6-8 mm

## 1293BP
ball head hexagon drivers with handles

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **2** | 100 | 196 | 5 | 012930501 |
| **2,5** | 100 | 196 | 5 | 012930502 |
| **3** | 100 | 196 | 5 | 012930503 |
| **4** | 100 | 196 | 5 | 012930506 |
| **5** | 100 | 209 | 5 | 012930509 |
| **6** | 125 | 245 | 5 | 012930512 |
| **8** | 150 | 282 | 2 | 012930515 |

**1293BP/S7** — 1 — 012930558
2-2,5-3-4-5-6-8 mm

## 1294
screwdrivers for headless slotted screws

| SxDxL mm | L1 mm | | |
|---|---|---|---|
| **0,5x2,5x60** | 156 | 5 | 012940003 |
| **0,6x3x75** | 171 | 5 | 012940006 |
| **0,6x3x100** | 196 | 5 | 012940009 |
| **0,8x4x100** | 196 | 5 | 012940012 |
| **0,8x4x150** | 246 | 5 | 012940015 |
| **1x5x125** | 234 | 5 | 012940018 |
| **1,2x6,5x150** | 282 | 5 | 012940027 |

**1294/S5** — 1 — 012940305
0,5x2,5x60-0,6x3x100
0,8x4x100-1x5x125
1,2x6,5x150 mm

## 1294L
screwdrivers for headless slotted screws
long series

| SxDxL mm | L1 mm | | |
|---|---|---|---|
| **0,6x3x300** | 396 | 3 | 012940206 |
| **0,8x4x400** | 496 | 3 | 012940209 |
| **1x5x400** | 509 | 3 | 012940215 |
| **1,2x6,5x400** | 532 | 3 | 012940218 |

## 1295
impact screwdriver

| L mm | | |
|---|---|---|
| **130** | 1 | 012950001 |

## 1295/C14

impact screwdriver
with 14 insets and 1 socket holder

| | | | |
|---|---|---|---|
| 1295/C14 | | 1 | 012950108 |

| | | |
|---|---|---|
| 866LP | 1,2x6,5 - 1,6x10 mm |
| 866PH | PH2 - PH3 |
| 866PZ | PZ2 - PZ3 |
| 866PE | 5 - 6 mm |
| 866TX | T27 - T30 - T40 - T45 - T50 - T55 |
| 895/6 | □ 1/2 - ⬡ 5/16 |
| 1295 | ■ 1/2 |

170x100x35 mm - 1,3 kg

## 1297TX

drivers for Torx® head screws,
with handles

| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| T6 | 50 | 146 | 3,0 | 5 | 012970006 |
| T7 | 50 | 146 | 3,0 | 5 | 012970007 |
| T8 | 60 | 156 | 3,0 | 5 | 012970008 |
| T9 | 60 | 169 | 4,0 | 5 | 012970009 |
| T10 | 80 | 189 | 4,0 | 5 | 012970010 |
| T15 | 80 | 189 | 4,0 | 5 | 012970015 |
| T20 | 100 | 209 | 4,5 | 5 | 012970020 |
| T25 | 100 | 209 | 5,0 | 5 | 012970025 |
| T27 | 115 | 235 | 6,0 | 5 | 012970027 |
| T30 | 115 | 235 | 6,0 | 5 | 012970030 |
| T40 | 130 | 262 | 7,0 | 2 | 012970040 |
| T45 | 130 | 262 | 8,0 | 2 | 012970045 |

| | | |
|---|---|---|
| 1297TX/S12<br>T6-T7-T8-T9-T10<br>T15-T20-T25-T27<br>T30-T40-T45 | 1 | 012970312 |

| | | |
|---|---|---|
| 1297TX/D6<br>T10-T15-T20<br>T25-T27-T30 | 1 | 012970409 |

## 1297TX/L

drivers for Torx® head screws, long series

| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| T15 | 210 | 319 | 4,0 | 2 | 012970115 |
| T20 | 210 | 319 | 4,5 | 2 | 012970120 |
| T25 | 210 | 319 | 5,0 | 2 | 012970125 |
| T30 | 210 | 330 | 6,0 | 2 | 012970130 |
| T45 | 210 | 342 | 8,0 | 2 | 012970145 |

| | | |
|---|---|---|
| 1297TX/L-S5<br>TX/L15-TX/L20-TX/L25-<br>TX/L30-TX/L45 | 1 | 012970325 |

## 1298RTX

screwdrivers for Tamper Resistant Torx®
head screws, with handles

| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| T9 | 60 | 169 | 4,0 | 5 | 012980009 |
| T10 | 80 | 189 | 4,0 | 5 | 012980010 |
| T15 | 80 | 189 | 4,0 | 5 | 012980015 |
| T20 | 100 | 209 | 4,0 | 5 | 012980020 |
| T25 | 100 | 209 | 4,5 | 5 | 012980025 |
| T27 | 115 | 235 | 5,5 | 5 | 012980027 |
| T30 | 115 | 235 | 6,0 | 5 | 012980030 |
| T40 | 130 | 262 | 7,0 | 2 | 012980040 |

| | | |
|---|---|---|
| 1298RTX/S8<br>T9-T10-T15-T20<br>T25-T27-T30-T40 | 1 | 012980308 |

## 1299PZ

screwdrivers for cross head
Pozidriv®-Supadriv® screws

UNI/ISO 8764

| PZ | L mm | L1 mm | | |
|---|---|---|---|---|
| 0 | 60 | 156 | 5 | 012990000 |
| 1 | 80 | 189 | 5 | 012990003 |
| 2 | 100 | 220 | 5 | 012990006 |
| 3 | 150 | 282 | 2 | 012990009 |
| 4 | 200 | 332 | 2 | 012990012 |

| | | |
|---|---|---|
| 1299PZ/S6<br>1299PZ PZ0-PZ1-PZ2-PZ3<br>1299N/PZ PZ1-PZ2 | 1 | 012990306 |

## 1299N/PZ

screwdrivers for cross head
Pozidriv®-Supadriv® screws
extra short series

UNI/ISO 8764

| PZ | L mm | L1 mm | | |
|---|---|---|---|---|
| 1 | 30 | 86 | 5 | 012990021 |
| 2 | 30 | 86 | 5 | 012990024 |

# VEHICLE REPAIR

Our vehicle repair tools, which are used by the most demanding professionals, are developed and manufactured to meet the world's highest standards, and regularly tested under the most stressful operating conditions.

For over 50 years, we have been proudly working hand in hand with the greatest champions, who help us improve our products non-stop and provide testimony to the highest quality standard.

## The vehicle repair tools are found in these sections:


| | |
|---|---|
| **Diagnostics** | |
| | items 1438 to 1499<br>items 1758VT to 1760TMC |
| **Engine** | |
| | items 955 to 989A<br>items 1438 to 1499 |
| **Oil and filters** | |
| | items 1438 to 1499<br>items 1877 to 1885 |
| **Electric system** | |
| | items 1438 to 1499 |
| **Transmission** | |
| | items 1438 to 1499 |
| **Suspension** | |
| | items 1549 to 1569CP |
| **Brakes** | |
| | items 1438 to 1499 |
| **Wheels** | |
| | items 955 to 989A |
| **Body work** | |
| | items 1302 to 1369<br>items 1763 to 1767A |
| **Other equipment** | |
| | items 1878 to 3067 |

## 1302
double end dolly, round, convex pein head

g 770 | 1 | 013020001

## 1303
curved dolly

g 1350 | 1 | 013030001

## 1304
sole dolly

g 875 | 1 | 013040001

## 1305
toe dolly

g 1190 | 1 | 013050001

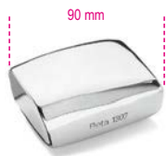
## 1305Z
milled toe dolly

g 1065 | 1 | 013050002

## 1306
heel dolly

g 1040 | 1 | 013060001

## 1307
regular dolly




g 1100 | 1 | 013070001

## 1308
egg dolly

g 1100 | 1 | 013080001

## 1309
hatchet dolly

g 460 | 1 | 013090001

## 1310
general purpose dolly

g 1225 | 1 | 013100001

## 1312
anvil dolly

| g | | |
|---|---|---|
| 1220 | 1 | 013120001 |

## 1313
buffer dolly

| g | | |
|---|---|---|
| 990 | 1 | 013130001 |

## 1314
double end dolly, convex, flat head

| g | | |
|---|---|---|
| 760 | 1 | 013140001 |

## 1326
curved angle spoon

| g | | |
|---|---|---|
| 560 | 1 | 013260001 |

## 1327
heavy-duty spoon

| g | | |
|---|---|---|
| 1075 | 1 | 013270001 |

## 1328
pry and bumping spoon

| g | | |
|---|---|---|
| 935 | 1 | 013280001 |

## 1329
double-ended spoon

| g | | |
|---|---|---|
| 1800 | 1 | 013290001 |

## 1330
long double-ended spoon

| g | | |
|---|---|---|
| 2125 | 1 | 013300001 |

## 1331
bending iron with leather face

| g | | |
|---|---|---|
| 1100 | 1 | 013310001 |

## 1335BM
bumping blade
with plastic handle

| g | | |
|---|---|---|
| 500 | 2 | 013350010 |

## 1337/S5
set of 5 stopping knives for car repairers, made of stainless steel

**Japanese type**
**(25-50-75-100-125 mm)**

| L mm | | |
|---|---|---|
| 25-50-75-100-125 | 1 | 013370015 |

## 1338A - 1338B
adjustable body blade holder
with flexible flat blades

| | ″/1″ | L mm | | |
|---|---|---|---|---|
| 1338A | 9 | 360 | 2 | 013380001 |
| 1338B | 12 | 360 | 2 | 013380002 |

## 1338
body blade holder for item 1338R

| | | |
|---|---|---|
| 1338 | 2 | 013380003 |

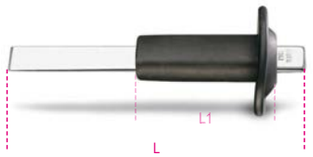
## 1338R9 - 1338R12
spare body blades for item 1338A-B

| | ″/1″ | | |
|---|---|---|---|
| 1338R9 | 9 | 2 | 013380004 |
| 1338R12 | 12 | 2 | 013380005 |

## 1342
extra flat chisel with straight cutter

| L mm | | |
|---|---|---|
| 235 | 5 | 013420001 |

## 1342PM
extra flat chisel with straight cutter with hand guard




| L mm | L1 mm | | |
|---|---|---|---|
| 235 | 118 | 2 | 013420002 |

## 1342PMR
spare hand guard for item 1342

| | | |
|---|---|---|
| 1342PMR | 1 | 013420003 |

## 1343
flat chisel with side cutter

| L mm | | |
|---|---|---|
| 200 | 5 | 013430001 |

## 1344
feeler gauges for car body repair shops, pair, 10-bladed, with suction cup

**suitable for:**
- **fitting rear windows**
- **maintaining position during installation**

| | | |
|---|---|---|
| 1344 | 1 | 013440010 |

## 1344A/VW
fixing hook removal tool for Volkswagen handles

| L mm | | |
|---|---|---|
| 260 | 1 | 013440100 |

## 1345
hammer with round, convex face and pein, wooden shaft

| | | |
|---|---|---|
| 1345 | 2 | 013450010 |

## 1351
hammer with round, flat face and ball pein, wooden shaft

| | | |
|---|---|---|
| 1351 | 2 | 013510010 |

## 1353
hammer with round, flat face and point pein, wooden shaft

| | | |
|---|---|---|
| 1353 | 2 | 013530010 |

## 1357Z/45
hammers with flat, round, milled face and square, smooth face, wooden shafts

| | | |
|---|---|---|
| 1357Z/45 | 2 | 013570045 |

## 1359T
hammer with round, flat face and horizontal pein, wooden shaft

| | | |
|---|---|---|
| 1359 T | 2 | 013590010 |

## 1360G
soft dead-blow rubber hammer, for installing gaskets and delicate parts

**The extremely soft faces prevent any parts being worked on from getting damaged, as they absorb impact by getting deformed.**

| L mm | Ø mm | | |
|---|---|---|---|
| 280 | 72 | 1 | 013600000 |

## 1360/K6
aluminium hammer with flat, round face, interchangeable plastic pins and punch

**supplied with:**
- **4 plastic pins**
- **1 punch, adjustable in 2 different lengths, applicable to hammer**

| L mm | Ø mm | | |
|---|---|---|---|
| 320 | 34 | 1 | 013600006 |

## 1360/KP3
hammers with ball heads and point peins/ punches, made of plastic

**Kit contents:**
- **1 210 g hammer with head Ø 30 mm**
- **1 290 g hammer with head Ø 40 mm**
- **1 75 g punch with 5 mm pein**

| | | |
|---|---|---|
| 1360/KP3 | 1 | 013600503 |

## 1361/C12
set of Teflon® rods for body repair shops

| | | |
|---|---|---|
| 1361/C12 | 1 | 013610012 |

275x160x57 mm

## 1362
dent reflector
with suction cup

**allows even the smallest bodywork imperfections to be detected**

| | LxH mm | | |
|---|---|---|---|
| **1362** | 240 x200 | 1 | 013620010 |

## 1365/K13
oil pressure pump, 10 t, and bodywork accessories kit
in trolley

**Kit contents:**
- **oil pressure pump, 10 t, with 1.5-m-long hose, 1/2" coupling**
- **piston**
- **wing opening pliers; capacity: 500 kg**
- **baseplate, 150x90 mm**
- **L-shaped base, 50x50 mm**
- **4-point punch**
- **round, knurled punch, Ø 50 mm**
- **wedge-shaped punch, 43 mm**
- **240-mm-long extension**
- **450-mm-long extension**
- **475-mm-long extension**
- **rubber head**
- **male-to-male coupling for installing accessories**

| | | |
|---|---|---|
| **1365/K13** | 1 | 013650013 |

900x420x180 mm

## 1365P10
oil pressure pump

**1.5-m-long hose, 1/2" coupling**

| | | |
|---|---|---|
| **1365P10** | 1 | 013650110 |

## 1366A
dent puller
with kit of 19 plastic glue tabs

**ideal for removing:**
- **hail dents**
- **dents caused by doors**
- **small dents in general**

| | | |
|---|---|---|
| **1366A** | 1 | 013660200 |

## 1366B
hammer face for plastic
dent pulling glue tabs

**hammer face weight: 500 g**

| L mm | | |
|---|---|---|
| **440** | 1 | 013660250 |

## 1366KF
kit of 19 plastic glue tabs
for item 1366A

| | | |
|---|---|---|
| **1366KF** | 1 | 013660205 |

## 1366/K5
pneumatic dent puller, with 1.1 kg hammer face

**Kit contents:**
- **1 suction cup Ø 75 mm**
- **1 suction cup Ø 100 mm**
- **1 suction cup Ø 125 mm**
- **1 hook**

| | | |
|---|---|---|
| **1366/K5** | 1 | 013660010 |

610x240x90 mm

## 1366S
wheeled bodywork spotter

- **microprocessor for managing welding parameters**
- **welding power and time adjustment**
- **adjustment range: 400÷2200 Ah**
- **single, pulsed, continuous point selector**
- **welding parameters table**
- **thermal protection indicator**
- **quick coupling gun**
- **voltage: 230 V**

| | | |
|---|---|---|
| **1366S** | 1 | 013660000 |

## 1366S KIT
spotter accessory kit

- **10 slotted washers**
- **10 90°slotted washers**
- **100 threaded pins, 5x18 mm**
- **100 self-threading pins, 5x18 mm**
- **100 self-threading pins, 5x25 mm**
- **washer hook, Ø 8x16x1.5 mm**
- **electrode for M5-M6 screws**
- **electrode for slotted washers**

| | | |
|---|---|---|
| **1366S KIT** | 1 | 013660001 |

250x170x35

## 1366SL
pulling lever
for repairing dents on metal surfaces

**articulated multihook head**
**for use with crimped wire**

| L mm | | |
|---|---|---|
| **700** | 1 | 013660002 |

## 1366ST
crossbar
for repairing dents on metal surfaces

articulated multihook head
for use with crimped wire

| L mm | | |
|---|---|---|
| 850 | 1 | 013660003 |

## 1366S/R1
3-pointed washer mandrel

| | | |
|---|---|---|
| 1366S/R1 | 1 | 013660501 |

## 1366S/R2
3-pointed washer
for pulling sheets

| | | |
|---|---|---|
| 1366S/R2 | 1 | 013660502 |

## 1366S/R3
electrode for washers
Ø 8x16x1.5 mm

| | | |
|---|---|---|
| 1366S/R3 | 1 | 013660503 |

## 1366S/R4
washer hook, Ø 8x16x1.5 mm

| | | |
|---|---|---|
| 1366S/R4 | 1 | 013660504 |

## 1366S/R5
washers Ø 8x16x1.5mm

| | | |
|---|---|---|
| 1366S/R5 | 1 | 013660505 |

## 1366S/R6
electrode for M5-M6 screws

| | | |
|---|---|---|
| 1366S/R6 | 1 | 013660506 |

## 1366S/R7
100 self-threading pins, 5x18 mm

| | | |
|---|---|---|
| 1366S/R7 | 1 | 013660507 |

## 1366S/R8
100 self-threading pins, 5x25 mm

| | | |
|---|---|---|
| 1366S/R8 | 1 | 013660508 |

## 1366S/R9
100 threaded pins, M5 x 18 mm

| | | |
|---|---|---|
| 1366S/R9 | 1 | 013660509 |

## 1366S/R10
10 slotted washers

| | | |
|---|---|---|
| 1366S/R10 | 1 | 013660510 |

## 1366S/R11
electrode for slotted washers

| | | |
|---|---|---|
| 1366S/R11 | 1 | 013660511 |

## 1366S/R12
10 90° slotted washers

| | | |
|---|---|---|
| 1366S/R12 | 1 | 013660512 |

## 1366S/R13
sheet flattening electrode



| | | |
|---|---|---|
| 1366S/R13 | 1 | 013660513 |

## 1366S/R14
wire spot welding electrode

| | | |
|---|---|---|
| 1366S/R14 | 1 | 013660514 |

## 1366S/R21
crimped wires for use of
pulling lever and crossbar

| | | |
|---|---|---|
| 1366S/R21 | 1 | 013660551 |

## 1366S/R22
magnetic support
for crimped wire

| | | |
|---|---|---|
| 1366S/R22 | 1 | 013660552 |

## 1366S/R24
pull ring M4

| | | |
|---|---|---|
| 1366S/R24 | 1 | 013660554 |

## 1366S/R25
pull ring M5

| | | |
|---|---|---|
| 1366S/R25 | 1 | 013660555 |

## 1366S/R26
pull ring M6

| | | |
|---|---|---|
| 1366S/R26 | 1 | 013660556 |

## 1367/S4
set of punches for installing parking sensors

**sizes:**
**23 - 24 - 27 -28**

| | | |
|---|---|---|
| 1367/S4 | 1 | 013670104 |

## 1367/K10
kit of punches for installing parking sensors

**Kit contents:**
**• sizes: 17 - 18 - 18.2 - 19 - 20 - 22.5 - 24 - 26 - 26.7 - 32 mm**

| | | |
|---|---|---|
| 1367/K10 | 1 | 013670200 |

190x130x58 mm

## 1368
plastic repair kit

**• Allows cracked and broken plastic parts to be quickly fixed**

**Power supply: 220÷240 V with Schuko socket**
**Heat gun cable length: 3.5 m**
**Power supply cable length: 1.35 m**
**2 power adjustments: 35-75 W**
**Heat gun with brass terminals, 2 staple insertion angles: 0°-90°**
**Input protection: thermal circuit breaker**
**Output protection: 10 A fuse**
**Metal gun pocket**

CE

| | | |
|---|---|---|
| 1368 | 1 | 013680001 |

## 1368G/K400
assortment of 400 clips for item 1368

| | | |
|---|---|---|
| 1368G/K400 | 1 | 013680140 |

## 1368G/OD
corrugated clips, straight, for item 1368

| | | |
|---|---|---|
| 1368G/OD | 1 | 013680100 |

## 1368G/SD
spiral clips, straight, for item 1368

| | | |
|---|---|---|
| 1368G/SD | 1 | 013680110 |

## 1368G/CV
convex angle clips for item 1368

| | | |
|---|---|---|
| 1368G/CV | 1 | 013680120 |

## 1368G/C2U
concave angle clips for item 1368

| | | |
|---|---|---|
| 1368G/C2U | 1 | 013680130 |

## 1369/C11
assortment of 11 tools

| | | |
|---|---|---|
| 1369/C11 | 1 | 013690033 |

1303
1305
1306
1309
1310
1314
1327
1338A
1353
1357Z/40
1390

470x340x70 mm - 15,2 kg

## 1370
engineer's hammers, wooden shaft

***HICKORY***

UNI 7778 DIN 1041

| g | A mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **100** | 15 | 260 | 82 | 5 | 013700051 |
| **200** | 19 | 280 | 95 | 5 | 013700052 |
| **300** | 23 | 300 | 105 | 5 | 013700053 |
| **400** | 25 | 310 | 112 | 5 | 013700054 |
| **500** | 27 | 320 | 118 | 5 | 013700055 |
| **600** | 30 | 330 | 122 | 5 | 013700056 |
| **800** | 33 | 350 | 130 | 4 | 013700058 |
| **1000** | 36 | 360 | 135 | 4 | 013700060 |
| **1500** | 42 | 380 | 145 | 2 | 013700065 |
| **2000** | 47 | 400 | 155 | 1 | 013700070 |

# HAMMER HANDLES

Handles made from **hickory** wood
Hickory is a type of wood with excellent properties, which suit hammer handles perfectly. Its long fibre structure absorbs vibration and makes it extremely resistant to breakage. In the unlikely event that some fibres should break, the risk that the head will suddenly come off is very small anyway.
Wood handles can be replaced when worn.
As wood is a natural material, it should retain its own moisture. Therefore, the hammer should not be stored in an excessively dry place.
Handles made from **fibreglass**
Handles with fibreglass core are both durable and safe; the risk of breakage and injuries is reduced to a minimum.
They are weathertight and resistant to the most common chemicals.

- **Indestructible fibreglass core**
- **Ergonomic polypropylene frame**
- **Nonslip, comfortable elastomer coating**

## 1370/MR...

spare shafts for item 1370

| | | |
|---|---|---|
| **1370MR 100**<br>1370/100 | 4 | 013700081 |
| **1370MR 200**<br>1370/200 | 4 | 013700082 |
| **1370MR 300**<br>1370/300 | 4 | 013700083 |
| **1370MR 400**<br>1370/400 | 4 | 013700084 |
| **1370MR 500**<br>1370/500 | 4 | 013700085 |
| **1370MR 600**<br>1370/600 | 4 | 013700086 |
| **1370MR 800**<br>1370/800 | 4 | 013700088 |
| **1370MR 1000**<br>1370/1000 | 4 | 013700090 |
| **1370MR 1500**<br>1370/1500 | 4 | 013700095 |
| **1370MR 2000**<br>1370/2000 | 4 | 013700100 |

## 1370T

mechanic's hammers
fibre shaft

| g | A mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **200** | 19 | 280 | 95 | 5 | 013700620 |
| **300** | 23 | 300 | 105 | 5 | 013700630 |
| **500** | 27 | 320 | 118 | 5 | 013700650 |
| **800** | 33 | 350 | 130 | 4 | 013700680 |
| **1000** | 36 | 360 | 135 | 4 | 013700700 |
| **1500** | 42 | 365 | 145 | 2 | 013700750 |

## 1370F

riveting hammers, wooden shaft

NF E 71.014

| A mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **24** | 260 | 77 | 280 | 2 013700424 |
| **26** | 260 | 80 | 310 | 2 013700426 |
| **28** | 280 | 86 | 400 | 2 013700428 |
| **30** | 280 | 92 | 450 | 2 013700430 |
| **32** | 300 | 100 | 550 | 2 013700432 |
| **36** | 300 | 104 | 720 | 2 013700436 |
| **40** | 330 | 110 | 1065 | 2 013700440 |
| **42** | 330 | 116 | 1080 | 2 013700442 |
| **50** | 380 | 138 | 1760 | 2 013700450 |
| **60** | 380 | 160 | 2585 | 2 013700460 |

## 1370F/MR...

spare shafts for item 1370F

| | | |
|---|---|---|
| **1370F/MR 24**<br>1370F/24-26 | 2 | 013700474 |
| **1370F/MR 28**<br>1370F/28-30 | 2 | 013700478 |
| **1370F/MR 32**<br>1370F/32-36 | 2 | 013700482 |
| **1370F/MR 40**<br>1370F/40-42 | 2 | 013700490 |
| **1370F/MR 50**<br>1370F/50 | 2 | 013700495 |
| **1370F/MR 60**<br>1370F/60 | 2 | 013700496 |

## 1370FT

riveting hammers, fibre shafts

| A mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **28** | 280 | 86 | 530 | 1 013700528 |
| **30** | 280 | 92 | 625 | 1 013700530 |
| **32** | 300 | 100 | 750 | 1 013700532 |
| **36** | 300 | 104 | 930 | 1 013700536 |
| **40** | 330 | 110 | 1150 | 1 013700540 |
| **42** | 330 | 116 | 1250 | 1 013700542 |
| **50** | 380 | 138 | 2100 | 1 013700550 |
| **60** | 380 | 160 | 2750 | 1 013700560 |

## 1374F

carpenter's hammers, wooden shaft

NF E 71.012

| A mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **16** | 250 | 80 | 180 | 2 013740416 |
| **20** | 270 | 86 | 250 | 2 013740420 |
| **22** | 290 | 92 | 335 | 2 013740422 |
| **26** | 290 | 103 | 425 | 2 013740426 |
| **28** | 310 | 108 | 510 | 2 013740428 |
| **30** | 310 | 117 | 580 | 2 013740430 |

## 1374F/MR...

spare shafts for item 1374F

| | | |
|---|---|---|
| **1374F/MR 16**<br>1374F/16 | 2 | 013740456 |
| **1374F/MR 20**<br>1374F/20 | 2 | 013740460 |
| **1374F/MR 22**<br>1374F/22-26 | 2 | 013740462 |
| **1374F/MR 28**<br>1374F/28 | 2 | 013740468 |
| **1374F/MR 30**<br>1374F/30 | 2 | 013740470 |

## 1375
claw hammer, wooden shaft

| g | L1 mm | Ø mm | L mm | | |
|---|---|---|---|---|---|
| **300** | 95 | 25 | 300 | 3 | 013750000 |

## 1375/MR
spare shafts for item 1375

| | | |
|---|---|---|
| **1375/MR** | 2 | 013750003 |

## 1375A
claw hammers, plastic shafts

| oz | g | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **16** | 450 | 330 | 130 | 3 | 013750016 |
| **20** | 570 | 330 | 130 | 3 | 013750020 |

## 1375B
claw hammers, steel shafts

| oz | g | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **16** | 450 | 330 | 130 | 3 | 013750026 |
| **20** | 570 | 330 | 130 | 3 | 013750030 |

## 1376X
claw hammers with square peins, magnets and nail holders wooden shaft

| g | A mm | L1 mm | L mm | | |
|---|---|---|---|---|---|
| **250** | 20 | 125 | 450 | 3 | 013760125 |
| **300** | 25 | 130 | 450 | 3 | 013760130 |
| **400** | 27 | 132 | 450 | 3 | 013760140 |

## 1376X/MR
spare shaft for item 1376X

| | | |
|---|---|---|
| **1376X/MR** | 2 | 013760161 |

## 1376XT
claw hammers with square peins, magnets and nail holders plastic shaft

| g | A mm | L1 mm | L mm | | |
|---|---|---|---|---|---|
| **250** | 20 | 125 | 500 | 3 | 013760525 |
| **300** | 25 | 130 | 500 | 3 | 013760530 |
| **400** | 27 | 132 | 500 | 3 | 013760540 |

## 1376XT/MR
spare shaft for item 1376XT

| | | |
|---|---|---|
| **1376MR/XT** | 2 | 013760585 |

## 1377
ball pein hammers, round heads, for coppersmiths and tinsmiths, wooden shafts

***HICKORY***

| g | L mm | L1 mm | | |
|---|---|---|---|---|
| **340** | 330 | 95 | 2 | 013770134 |
| **450** | 350 | 102 | 2 | 013770145 |
| **570** | 350 | 110 | 2 | 013770157 |
| **680** | 360 | 116 | 2 | 013770168 |
| **900** | 380 | 120 | 2 | 013770190 |

## 1377/MR...
spare shafts for item 1377

| | | |
|---|---|---|
| **1377MR 340**<br>1377/340 | 2 | 013770234 |
| **1377MR 450**<br>1377/450 | 2 | 013770245 |
| **1377MR 570**<br>1377/570 | 2 | 013770257 |
| **1377MR 680**<br>1377/680 | 2 | 013770268 |
| **1377MR 900**<br>1377/900 | 2 | 013770290 |

## 1377T
ball pein hammers, round hands, for coppersmiths and tinsmiths, fibre shafts

| g | L mm | L1 mm | | |
|---|---|---|---|---|
| **340** | 330 | 95 | 2 | 013770534 |
| **450** | 350 | 102 | 2 | 013770545 |
| **570** | 350 | 110 | 2 | 013770557 |
| **680** | 360 | 116 | 2 | 013770568 |
| **900** | 380 | 120 | 2 | 013770590 |

## 1378
joiner's hammers, round heads and peins, wooden shaft

***HICKORY***

| g | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **340** | 330 | 100 | 27 | 2 | 013780134 |
| **570** | 350 | 115 | 32 | 2 | 013780157 |

## 1378/MR...
spare shafts for item 1378

| | | |
|---|---|---|
| **1378MR 340**<br>1378/340 | 2 | 013780234 |
| **1378MR 570**<br>1378/570 | 2 | 013780257 |

## 1379F
electrician's hammers, wooden shafts

***HICKORY***

NF E 71.011

| A mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **16** | 250 | 126 | 2 | 013790416 |
| **18** | 250 | 135 | 2 | 013790418 |
| **20** | 260 | 142 | 2 | 013790420 |

## 1379F/MR...
spare shafts for item 1379F

| | |
|---|---|
| **1379F/MR 16**<br>1379F/16-18 | 2 013790426 |
| **1379F/MR 20**<br>1379F/20 | 2 013790430 |

## 1380
lump hammers, wooden shafts

***HICKORY***

UNI 7777 DIN 6475

| g | A mm | L mm | L1 mm | |
|---|---|---|---|---|
| **800** | 38 | 260 | 90 | 2 013800208 |
| **1000** | 40 | 260 | 95 | 2 013800210 |
| **1250** | 43 | 260 | 100 | 2 013800212 |
| **1500** | 45 | 280 | 110 | 2 013800215 |
| **2000** | 50 | 300 | 120 | 2 013800220 |

## 1380/MR...
spare shafts for item 1380

| | |
|---|---|
| **1380MR 800**<br>1380/800-1000-1250 | 2 013800238 |
| **1380MR 1500**<br>1380/1500 | 2 013800245 |
| **1380MR 2000**<br>1380/2000 | 2 013800250 |

## 1380S
mason club hammers with security collars wooden shafts

| g | A mm | L mm | L1 mm | |
|---|---|---|---|---|
| **800** | 36 | 260 | 90 | 2 013800400 |
| **1000** | 39 | 260 | 95 | 2 013800405 |
| **1250** | 43 | 260 | 100 | 2 013800410 |
| **1500** | 45 | 260 | 110 | 2 013800415 |

## 1380S/MR...
spare shafts for item 1380S

| | |
|---|---|
| **1380S/MR 800**<br>1380S/800-1000-1250 | 2 013800417 |
| **1380S/MR 1500**<br>1380S/1500 | 2 013800419 |

## 1380T
Mason club hammers, fibre shafts

| g | A mm | L mm | L1 mm | |
|---|---|---|---|---|
| **800** | 35 | 260 | 85 | 2 013800308 |
| **1000** | 40 | 260 | 100 | 2 013800310 |
| **1250** | 42 | 260 | 110 | 2 013800312 |
| **1500** | 45 | 260 | 120 | 2 013800315 |
| **2000** | 49 | 295 | 120 | 1 013800320 |

## 1381
sledge hammers, Hickory shafts

***HICKORY***

| g | A mm | L mm | L1 mm | |
|---|---|---|---|---|
| **3000** | 55 | 800 | 142 | 1 013810030 |
| **4000** | 60 | 900 | 152 | 1 013810040 |
| **5000** | 70 | 900 | 162 | 1 013810050 |
| **8000** | 80 | 900 | 185 | 1 013810080 |

*** = ash shaft**

## 1381/MR...
spare shafts for item 1381

| | |
|---|---|
| **1381MR 3-4**<br>1381/3000-4000 | 2 013810730 |
| **1381MR 5**<br>1381/5000 | 2 013810750 |
| **1381MR 8**<br>1381/8000 | 2 013810780 |

## 1381T
sledge hammers, fibre shafts

| g | A mm | L mm | L1 mm | |
|---|---|---|---|---|
| **3000** | 55 | 900 | 142 | 1 013810330 |
| **4000** | 60 | 900 | 152 | 1 013810340 |
| **5000** | 70 | 900 | 162 | 1 013810350 |
| **8000** | 82 | 920 | 180 | 1 013810380 |

## 1385
copper head hammers, wooden shafts

| g | A mm | L mm | L1 mm | |
|---|---|---|---|---|
| **400** | 26 | 260 | 75 | 2 013850404 |
| **600** | 32 | 270 | 80 | 2 013850406 |
| **800** | 34 | 280 | 90 | 2 013850408 |
| **1000** | 37 | 280 | 100 | 2 013850410 |
| **1500** | 43 | 280 | 110 | 2 013850415 |
| **2000** | 48 | 300 | 120 | 1 013850420 |

## 1385/MR
spare shafts for item 1385

| | |
|---|---|
| **1385MR 400**<br>1385 400 | 2 013850464 |
| **1385MR 600**<br>1385 600 | 2 013850466 |
| **1385MR 800**<br>1385 800 | 2 013850468 |
| **1385MR 1000**<br>1385 1000 | 2 013850470 |
| **1385MR 1500**<br>1385 1500 | 1 013850475 |
| **1385MR 2000**<br>1385 2000 | 1 013850480 |

## 1390
soft face hammers, wooden shafts

UNI 7784

| Ø mm | L mm | L1 mm | |
|---|---|---|---|
| **22** | 260 | 70 | 5 013900022 |
| **28** | 280 | 85 | 5 013900028 |
| **35** | 310 | 95 | 5 013900035 |
| **45** | 320 | 107 | 4 013900045 |
| **60** | 380 | 128 | 2 013900060 |

## 1390/MR...
spare shafts for item 1390

| | |
|---|---|
| **1390MR 22**<br>1390/22 | 2 013900222 |
| **1390MR 28**<br>1390/28 | 2 013900228 |
| **1390MR 35**<br>1390/35 | 2 013900235 |
| **1390MR 45**<br>1390/45 | 2 013900245 |
| **1390MR 60**<br>1390/60 | 2 013900260 |

## 1390R
spare faces for item 1390

| Ø mm | | |
|---|---|---|
| 22 | 4 | 013900122 |
| 28 | 4 | 013900128 |
| 35 | 4 | 013900135 |
| 45 | 4 | 013900145 |
| 60 | 4 | 013900160 |

## 1390N
nylon face hammers, wooden shafts

**Medium-hard faces: 75 Shore**
**Oil and wear resistant**
**Particularly suitable for working metal**

UNI 7784

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 22 | 260 | 70 | 3 | 013900522 |
| 28 | 280 | 85 | 3 | 013900528 |
| 35 | 310 | 95 | 3 | 013900535 |
| 45 | 320 | 107 | 2 | 013900545 |
| 60 | 380 | 128 | 2 | 013900560 |

## 1390NR
spare nylon faces for item 1390N

| Ø mm | | |
|---|---|---|
| 22 | 4 | 013900622 |
| 28 | 4 | 013900628 |
| 35 | 4 | 013900635 |
| 45 | 4 | 013900645 |
| 60 | 4 | 013900660 |

## 1391
dead-blow hammers,
entirely covered with rubber

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 35 | 280 | 90 | 2 | 013910135 |
| 50 | 320 | 105 | 2 | 013910150 |
| 55 | 355 | 110 | 2 | 013910155 |
| 65 | 380 | 130 | 2 | 013910165 |

## 1391A
dead-blow hammers for tile workers,
entirely covered with rubber

| g | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 500 | 45 | 290 | 100 | 2 | 013910205 |
| 1000 | 60 | 300 | 120 | 2 | 013910210 |

## 1392
dead-blow hammers,
with interchangeable plastic faces, steel shafts

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 30 | 300 | 105 | 2 | 013920030 |
| 35 | 305 | 115 | 2 | 013920035 |
| 40 | 310 | 125 | 2 | 013920040 |
| 50 | 325 | 135 | 2 | 013920050 |
| 60 | 385 | 155 | 2 | 013920060 |

## 1392R
spare faces for item 1392

| Ø mm | | |
|---|---|---|
| 30 | 4 | 013920230 |
| 35 | 4 | 013920235 |
| 40 | 4 | 013920240 |
| 50 | 4 | 013920250 |
| 60 | 4 | 013920260 |

## 1393
hard rubber head hammers

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 50 | 315 | 90 | 3 | 013930050 |
| 60 | 340 | 110 | 3 | 013930060 |
| 70 | 370 | 130 | 2 | 013930070 |

# VEHICLE REPAIR

Our vehicle repair tools, which are used by the most demanding professionals, are developed and manufactured to meet the world's highest standards, and regularly tested under the most stressful operating conditions.

For over 50 years, we have been proudly working hand in hand with the greatest champions, who help us improve our products non-stop and provide testimony to the highest quality standard.

### The vehicle repair tools are found in these sections:


| | |
|---|---|
| **Diagnostics** | |
| | items 1438 to 1499<br>items 1758VT to 1760TMC |
| **Engine** | |
| | items 955 to 989A<br>items 1438 to 1499 |
| **Oil and filters** | |
| | items 1438 to 1499<br>items 1877 to 1885 |
| **Electric system** | |
| | items 1438 to 1499 |
| **Transmission** | |
| | items 1438 to 1499 |
| **Suspension** | |
| | items 1549 to 1569CP |
| **Brakes** | |
| | items 1438 to 1499 |
| **Wheels** | |
| | items 955 to 989A |
| **Body work** | |
| | items 1302 to 1369<br>items 1763 to 1767A |
| **Other equipment** | |
| | items 1878 to 3067 |

## 1410/M

spring pulling hook wrench

| Ø mm | | |
|---|---|---|
| 3,5 | 2 | 014100051 |

## 1428

pullers for damaged nuts with square drive

3/8" 1/2"

| mm | □ | L mm | ⬡ mm | | |
|---|---|---|---|---|---|
| 8 | 3/8 | 36 | 17 | 2 | 014280008 |
| 10 | 3/8 | 36 | 17 | 2 | 014280010 |
| 11 | 3/8 | 36 | 17 | 2 | 014280011 |
| 12 | 3/8 | 36 | 19 | 2 | 014280012 |
| 13 | 3/8 | 36 | 19 | 2 | 014280013 |
| 14 | 3/8 | 36 | 19 | 2 | 014280014 |
| 15 | 1/2 | 38 | 21 | 2 | 014280015 |
| 16 | 1/2 | 38 | 21 | 2 | 014280016 |
| 17 | 1/2 | 38 | 21 | 2 | 014280017 |
| 18 | 1/2 | 38 | 26 | 2 | 014280018 |
| 19 | 1/2 | 38 | 26 | 2 | 014280019 |
| 20 | 1/2 | 38 | 26 | 2 | 014280020 |
| 21 | 1/2 | 38 | 26 | 2 | 014280021 |
| 22 | 1/2 | 38 | 26 | 2 | 014280022 |
| 24 | 1/2 | 38 | 26 | 2 | 014280024 |
| 27 | 1/2 | 38 | 26 | 2 | 014280027 |

## 1428L

socket pullers, long series, for damaged right-hand nuts, with square drive

1/2"

| ⬢ mm | | |
|---|---|---|
| 17 | 1 | 014280217 |
| 19 | 1 | 014280219 |
| 21 | 1 | 014280221 |

1/2"

**1428L/B3** 1 014280303
17-19-21 mm

3/8"
1/2"

**1428/SB11** 1 014280111
8-10-11-12-13-14
15-16-17-18-19 mm

**1428/SB5** 1 014280115
20-21-22-24-27 mm

## 1429

pullers for damaged screws and stud bolts with square drive

3/8"
1/2"

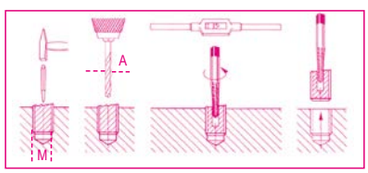
| mm | □ | L mm | | |
|---|---|---|---|---|
| 2 | 3/8 | 60 | 3 | 014290002 |
| 3 | 3/8 | 60 | 3 | 014290003 |
| 4 | 3/8 | 60 | 3 | 014290004 |
| 5 | 3/8 | 60 | 2 | 014290005 |
| 6 | 3/8 | 60 | 2 | 014290006 |
| 8 | 1/2 | 70 | 2 | 014290008 |
| 10 | 1/2 | 70 | 2 | 014290010 |

3/8"
1/2"

**1429/SB7** 1 014290107
2-3-4-5-6-8-10 mm

## 1430/...

tapered extractors for broken screws and studs made from hardened and tempered steel




| | M mm | A mm | | |
|---|---|---|---|---|
| 1430/1 | 3÷6 | 2,5 | 10 | 014300006 |
| 1430/2 | 6÷8 | 3,0 | 10 | 014300008 |
| 1430/3 | 8÷11 | 4,5 | 10 | 014300011 |
| 1430/4 | 11÷14 | 6,0 | 10 | 014300014 |
| 1430/5 | 14÷18 | 8,0 | 10 | 014300018 |
| 1430/6 | 18÷24 | 11,0 | 5 | 014300024 |
| 1430/7 | 24÷33 | 14,0 | 5 | 014300033 |
| 1430/8 | 33÷50 | 21,0 | 5 | 014300050 |

**1430/S5** 1 014300105
1430/1-1430/2-1430/3
1430/4-1430/5

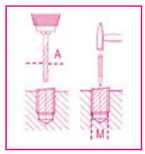
**1430/S6** 1 014300106
1430/1-1430/2-1430/3
1430/4-1430/5-1430/6

**1430/S8** 1 014300108
1430/1-1430/2-1430/3
1430/4-1430/5-1430/6
1430/7-1430/8

## 1431/...

tapered extractors for broken screws and studs

**For removing screws and studs that cannot be held firmly, percussion mechanism**




| | M | A mm | L mm | □ mm | | |
|---|---|---|---|---|---|---|
| 1431/3 | 3÷6 | 2,5 | 59 | 5 | 10 | 014310051 |
| 1431/5 | 6÷8 | 5,0 | 68 | 5 | 10 | 014310052 |
| 1431/6 | 8÷11 | 6,0 | 72 | 6 | 10 | 014310053 |
| 1431/8 | 11÷14 | 8,0 | 77 | 8 | 10 | 014310054 |
| 1431/9 | 14÷18 | 9,0 | 82 | 9 | 10 | 014310055 |

## 1431/C5

tapered extractors for broken screws and studs

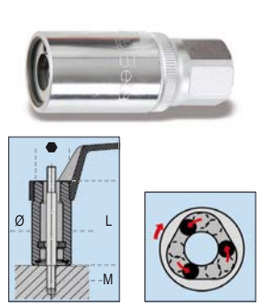
**Percussion mechanism**

| | M mm | A mm | | |
|---|---|---|---|---|
| 1431/C5 | 6÷18 | 3÷9 | 1 | 014310005 |

## 1433

roller stud extractors

3/8"
1/2"
⬢



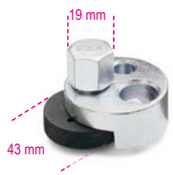

| M mm | Ø mm | L mm | ⬢ mm | □ | | |
|---|---|---|---|---|---|---|
| 5 | 21 | 60 | 19 | 3/8 | 2 | 014330005 |
| 6 | 24 | 60 | 21 | 1/2 | 2 | 014330006 |
| 7 | 24 | 60 | 21 | 1/2 | 2 | 014330007 |
| 8 | 24 | 60 | 21 | 1/2 | 2 | 014330008 |
| 9 | 28 | 70 | 21 | 1/2 | 2 | 014330009 |
| 10 | 28 | 70 | 21 | 1/2 | 2 | 014330010 |
| 10,5 | 28 | 70 | 21 | 1/2 | 2 | 014330021 |
| 11 | 28 | 70 | 21 | 1/2 | 2 | 014330011 |
| 12 | 28 | 70 | 21 | 1/2 | 2 | 014330012 |
| 14 | 36 | 72 | 24 | - | 2 | 014330014 |
| 16 | 36 | 72 | 24 | - | 2 | 014330016 |

## 1433/C11
roller stud extractors
with 1/2" female square drives

| | | |
|---|---|---|
| **1433/C11**<br>M5 - M6 - M7 - M8 - M9 - M10 - M10,5<br>M11 - M12 - M14 - M16 | 1 | 014330311 |

340x135x56 mm - 3,0 kg

## 1435
eccentric stud extractor




| Ø mm | | |
|---|---|---|
| **4÷20** | 1 | 014350001 |

## 1435R
spare wheel for item 1435

| | | |
|---|---|---|
| **1435R** | 1 | 014350010 |

## 1435/1
eccentric stud extractor

| Ø mm | | |
|---|---|---|
| **19÷26** | 1 | 014350002 |

## 1435/1R
spare wheel for item 1435/1

| | | |
|---|---|---|
| **1435/1R** | 1 | 014350011 |

## 1437/C12
assortment of 12 tools for removing air bags

| | | |
|---|---|---|
| **1437/C12** | 1 | 014370001 |

260x160x55 mm - 1,0 kg

## 1438
universal clutch aligner complete
with 3 expansion mandrels

| | | |
|---|---|---|
| **1438** | 1 | 014380001 |

## 1438R
spare expansion mandrels
for item 1438

| Ø mm | | |
|---|---|---|
| **14÷18** | 5 | 014380101 |
| **18÷21** | 5 | 014380102 |
| **22÷25** | 5 | 014380103 |

## 1438DCT
tool for removing and installing 6-speed DCTs

**for use on Volvo, Ford, Chrysler and Dodge vehicles**

| | | |
|---|---|---|
| **1438DCT** | 1 | 014380300 |

## 1438EVO
universal clutch aligning kit

**Component parts made entirely from metal**

| | | |
|---|---|---|
| **1438EVO** | 1 | 014380011 |

290x200x60 mm - 2 kg

## 1438DSG
lever for locking/unlocking DSG dual-clutch
gearbox
from VAG group

| | | |
|---|---|---|
| **1438DSG** | 1 | 014380200 |

## 1438K/DSG-2
tool set for aligning 6- and 7-speed DSG
clutches

**for use with 6-speed DSG and manual-shift,**
**7-speed DSG (series 1 and 2) and S-tronic gearboxes.**

| | | |
|---|---|---|
| **1438K/DSG-2** | 1 | 014380260 |

350x370x117 mm - 10 kg

## 1438K/PWR

removal/installation tool set
for Powershift dual clutch transmission

| | | |
|---|---|---|
| **1438K/PWR** | 1 | 014380270 |

440x400x85 mm - 10 kg

## 1438DCT/S

tool set for aligning Ford dry dual clutches

**for clutch alignment**
**after carrying out jobs like clutch oil seal replacement**

| | | |
|---|---|---|
| **1438DCT/S** | 1 | 014380305 |

440x400x85 mm - 8 kg

## 1439/K7

angular screwdriver (90°), long series,
with blades, in case

Case contents:
- Angular screwdriver
- 1 slotted screw head
- 1 1/4" bit head
- Special blade head
- 7 special blades

| | | |
|---|---|---|
| **1439K7** | 1 | 014390101 |

500x120x60 mm 825 g

## 1440/...

piston ring compressors

| | Ø mm | L mm | | |
|---|---|---|---|---|
| **1440/0** | 40÷75 | 50 | 1 | 014400000 |
| **1440/1** | 57÷125 | 80 | 1 | 014400010 |
| **1440/1A** | 57÷125 | 100 | 1 | 014400011 |
| **1440/2** | 90÷175 | 80 | 1 | 014400020 |
| **1440/2A** | 90÷175 | 100 | 1 | 014400021 |
| **1440/3** | 90÷175 | 165 | 1 | 014400030 |

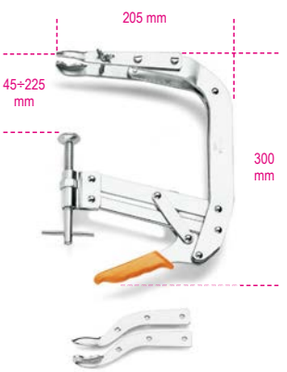
## 1445/1 - 1445/2

piston ring expanders

| | Ø mm | | |
|---|---|---|---|
| **1445/1** | 50÷100 | 1 | 014450001 |
| **1445/2** | 90÷150 | 1 | 014450002 |

## 1450GC

valve spring compressor
with straight and offset jaws




| | | |
|---|---|---|
| **1450GC** | 1 | 014500005 |

## 1452K

valve spring compressor,
with three flanges

| | | |
|---|---|---|
| **1452K** | 1 | 014520100 |

## 1452PN/K

pneumatic tool for engine valve springs

**Thrust pressure: 1400 N**

| | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **16-19-23** | 230 | 185 | 1 | 014520110 |
| **25-30-42** | | | | |

## 1454P

scraper for removing
packing and sealant residues
**particularly recommended for cleaning heads and flat surfaces to match**

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| **210** | 32 | 3,3 | 1 | 014540010 |

## 1455SVP

pneumatic valve grinder

- **Pressure: 6 bars**

| | | |
|---|---|---|
| **1455SVP** | 1 | 014550001 |

## 1455SVP/R...

spare parts for item 1455SVP

| | | |
|---|---|---|
| **1455SVP/R1** | 5 | 014550501 |
| **1455SVP/R2** | 5 | 014550502 |
| **1455SVP/R3** | 5 | 014550503 |

## 1457/B4

tool set for releasing
Rilsan hose fittings

**Sizes included in set:**
- **6x8**
- **10x12**
- **15x16**
- **18x1/2**

**1457/B4** — 1 — 014570024

## 1458

external butt-ended circlip pliers

DIN 5417

| Ø mm | | |
|---|---|---|
| **30÷100** | 2 | 014580001 |

## 1460F

valve seat removing tool

**1460F** — 1 — 014600010

## 1461/C3B

timing devices for
Fiat/Alfa/Lancia petrol engines

**Engines: 1.2-1.4 16V**

**1461/C3B** — 1 — 014610032

280x245x75 mm 1,5 kg

## 1461/C5G

timing devices for Fiat/Alfa/Lancia/Opel/
Suzuki/Ford
diesel engines

**Engines: 1.3 Multijet**

**1461/C5G** — 1 — 014610053

280x245x75 mm 2,6 kg

## 1461/C6B

timing devices for
Peugeot/Citroën petrol engines

**Engines: 1.0-1.1-1.4-1.6-1.6 16v-1.6Gti-1.6 18V-1.8-1.8 16v-1.9-2.0-2.0 16v-2.0T-2.0 Hpi-2.2 16v**

**1461/C6B** — 1 — 014610063

310x290x120 mm 3,5 kg

## 1461/C6G

timing devices for
Peugeot/Citroën diesel engines

**Engines: 1.4-1.6-2.0D,1.4-1.6TDCI, 1.4-1.6-2.0-2.2Hdi, 1.5-1.9-2.5D**

**1461/C6G** — 1 — 014610064

385x290x100 mm 3,8 kg

## 1461/C7B

timing devices for
Renault/Nissan petrol engines

**Engines: 1.4-1.6-1.8-2.0 16V**

**1461/C7B** — 1 — 014610072

280x245x75 mm 3,2 kg

## 1461/C8B

timing devices for Ford petrol engines

**Engines: 1.25-1.4-1.6-1.6 SCTi-1.6 Ti-VCT-1.6 16V**

**1461/C8B** — 1 — 014610083

240x210x50 mm 1,8 kg

## 1461/C8G

timing devices for Ford/Mazda diesel engines

**Engines: 1.4-1.6-1.8-2.0-2.2 TDCi, 1.6D 8/16V, 1.8D, 1.8D Turbo, 1.8 TCi, 1.8 TDDi, 2.5D, 2.5D Turbo**

**1461/C8G** — 1 — 014610084

280x245x75 mm 2,2 kg

## 1461/C9B
timing devices for Opel petrol engines

**Engines: 1.0 12V, 1.0-1.2-1.4 16V**

**1461/C9B** 1 014610092

335x145x60 mm 2 kg

## 1461/C10G
timing devices for Volkswagen/Audi/Seat and Skoda engines

**Engines: 1.2-1.6-2.0 TDI CR (common rail)**

**1461/C10G** 1 014610103

310x290x120 mm 2,8 kg

## 1461/C11A
timing devices for Renault engines

**Engines: 2.0 dCi**

**1461/C11A** 1 014610111

420x280x60 mm - 1,2 kg

## 1461/C11G
timing devices for Renault engines

**Engines: 1.5-1.9-2.2-2.5 DCI**

**1461/C11G** 1 014610113

310x290x120 mm 3,8 kg

## 1461/C12A
timing devices for Fiat engines

**Engines: 1.9-2.2 JTS and 1.9 JTD Euro 4**

**1461/C12A** 1 014610123

280x245x75 mm - 1,8 kg

## 1461/C12G
timing devices for Fiat/Alfa/Lancia diesel engines

**Engines: 1.9 JTD, 1.6-1.9-2.0 Multijet**

**1461/C12G** 1 014610124

280x245x75 mm 2 kg

## 1461/C13A
timing devices for Fiat 0.9 Twinair turbo engines

**1461/C13A** 1 014610133

240x210x50 mm 1,7 kg

## 1461/C13B
timing devices for Fiat 1.4 Multiair engines

**1461/C13B** 1 014610134

240x210x50 mm 2,8 kg

## 1461/C17B
timing devices for Volkswagen/Audi/Seat and Skoda petrol engines

**Engines: 1.2 TSI**

**1461/C17B** 1 014610171

## 1461/C18B

timing devices for Volkswagen/Audi/Seat and Skoda petrol engines

**Engines: 1.6-1.8-1.8T, 1.4-1.6-1.8-2.0 16V, 1.4-1.6-2.0 FSI**

**1461/C18B** 1 014610182

310x290x120 mm 2,5 kg

## 1461/C20G

timing devices for Fiat Iveco/Peugeot/Citroën/Ford diesel engines

**Engines: 2.2-2.3-3.0 Multijet**

**1461/C20G** 1 014610221

385x290x100 mm 5,5 kg

## 1461/C21G

timing devices for Renault diesel engines

**Engines: 1.6 dCi**

**1461/C21G** 1 014610222

310x290x120 mm 3 kg

## 1461/C22B

timing devices for Peugeot/Citroën petrol engines

**Engines: 1.0-1.2 VTi**

**1461/C22B** 1 014610223

280x245x75 mm 2 kg

## 1461/C23B

timing devices for Opel petrol engines

**Engines: 1.0 - 1.2 - 1.4 ecoflex**

**1461/C23B** 1 014610224

280x245x75 mm 2,5 kg

## 1461/C24B

timing devices for Mini-Peugeot/Citroën petrol engines

**Engines: 1.4 - 1.6 (N12-N14)**

**1461/C24B** 1 014610225

280x245x75 mm 2,8 kg

## 1461/C25G

timing devices for Mini diesel engines

**Engines: 1.6 diesel (W16D)**

**1461/C25G** 1 014610226

270x120x45 mm 1 kg

## 1461/C27G

timing devices for Bmw diesel engines

**Engines: 1.6-2.0D (N47-N47S)**

**1461/C27G** 1 014610228

280x245x75 mm 2 kg

## 1461/C28B

timing devices for Volkswagen, Seat and Skoda petrol engines

**engines: 1.0 - 1.0 Bluemotion Tech 1.0 Ecofuel/Ecomotive - 1.0 Green Tech**

**1461/C28B** 1 014610229

280x245x75 mm - 1,7 kg

## 1461/C29B

timing devices for Ford petrol engines

**engines: 1.0 EcoBoost**

| | | |
|---|---|---|
| **1461/C29B** | 1 | 014610209 |

280x245x75 mm - 2,6 kg

## 1461/C30G

timing devices for Volkswagen/Audi/Seat and Skoda diesel engines

**engines: 1.6-2.0 CR TDI**
**for engines built as from 2012**

| | | |
|---|---|---|
| **1461/C30G** | 1 | 014610231 |

280x245x75 mm - 2 kg

## 1461/C31B

timing devices for Volkswagen/Audi/Seat and Skoda petrol engines

**Engines: 1.0-1.2-1.4 TSI/TFSI**

| | | |
|---|---|---|
| **1461/C31B** | 1 | 014610232 |

270x230x80 mm - 2,1 kg

## 1461/C32G

timing devices for Opel diesel engines

**Engines: 1.6 CDTi (B16)**

| | | |
|---|---|---|
| **1461/C32G** | 1 | 014610233 |

270x230x80 mm - 1,3 kg

## 1461/C33B

timing devices for Opel petrol engines

**Engines: 1.0 - 1.0 Turbo SIDI Ecoflex**

| | | |
|---|---|---|
| **1461/C33B** | 1 | 014610234 |

## 1462CF/C6

set of 6 single-ended bi-hex wrenches for fuel injector connectors

**sizes:**
**12-14-16-17-18-19 mm**

12"

| | | |
|---|---|---|
| **1462CF/C6** | 1 | 014620006 |

260x145x60 mm - 1,2 kg

## 1462CF

single-ended bi-hex wrenches for fuel injector connectors

12"

| mm | | |
|---|---|---|
| 12 | 1 | 014620012 |
| 14 | 1 | 014620014 |
| 16 | 1 | 014620016 |
| 17 | 1 | 014620017 |
| 19 | 1 | 014620019 |
| 18 | 1 | 014620018 |

## 1462CF-SN/C6

set of 6 single-ended, articulated hexagon wrenches for fuel injector connectors

**sizes:**
**12-14-16-17-18-19**

3/8"

| | | |
|---|---|---|
| **1462CF-SN/C6** | 1 | 014620026 |

275x182x64 mm

## 1462CF-SN

single-ended, articulated hexagon wrenches for fuel injector connectors

3/8"

| mm | | |
|---|---|---|
| 12 | 1 | 014620032 |
| 14 | 1 | 014620034 |
| 16 | 1 | 014620036 |
| 17 | 1 | 014620037 |
| 18 | 1 | 014620038 |
| 19 | 1 | 014620039 |

## 1462/KD

tool assortment for removing Denso injectors, complete with hammer

| | | |
|---|---|---|
| **1462/KD** | 1 | 014620060 |

335x210x80 mm - 4,8 kg

## 1462/KI

assortment of common rail diesel injector pullers

**Allows DELPHI-BOSCH-SIEMENS-DENSO injectors to be removed**

| | | |
|---|---|---|
| **1462/KI** | 1 | 014620235 |

530x470x140 mm - 2,0 kg

## 1462/KMRC

tool assortment for removing injectors from Mercedes 2.1L, 2.2L, 3.0 V6 and Chrysler engines

**For Bosch (2.1 and 2.2L) and Delphi (3.0) injectors**
**Injectors can be removed without removing engine.**
**Particularly suitable for following car models:**
**Mercedes Vito, Vario, CLK, Sprinter, Viano, M,GL,C,GLK,E,CLS,S,R,G Classes**
**Chrysler 300 C**

| | | |
|---|---|---|
| **1462/KMRC** | 1 | 014620070 |

310x300x118 mm - 3,5 kg

## 1462/KU

universal tool assortment for removing diesel common rail injectors

**Complete with pliers and hammer**

| | | |
|---|---|---|
| **1462/KU** | 1 | 014620100 |

390x290x100 mm - 4,5 kg

## 1462/MB

hammer face kit for removing injectors

**Kit contents:**
- **1 4 kg hammer face with 400 mm rod**
- **1 articulated adapter, male M10x1.5, female M22x1.5 mm**
- **1 adapter, male M22x1.5, female M13x1.4 mm**
- **1 adapter, male M14x1.5, female M27X1 mm**
- **1 adapter, male M14x1.5, male M25x1 mm**
- **1 adapter, male M14x1.5, male M27x1 mm**
- **1 adapter, male M14x1.5, female M14x1.5 mm**
- **1 adapter, male M14x1.5, male M20x1 mm**
- **1 adapter, male M14x1.5, male M17x1 mm**

| | | |
|---|---|---|
| **1462/MB** | 1 | 014620110 |

500x250x80 mm - 7,2 kg

## 1462AD/BSC

adapter for removing Bosch common rail injectors

**For use with items Beta 960KI and Beta 1462/KU**

| | | |
|---|---|---|
| **1462AD/BSC** | 1 | 014620435 |

## 1462AD/SMN

adapter kit for removing Siemens and Denso injectors

**For use with item Beta 960KI/1462KI**

| | | |
|---|---|---|
| **1462AD/SMN** | 1 | 014620436 |

## 1462/EI

universal vibration tool for injector removal

**- Helps to fully remove jammed injectors from their housings, without damaging cylinder heads and without breaking injectors.**
**- Can be used with any injector removal set, with or without hammer face.**
**- Tool acts directly on removal tie rod, which is coupled with injector, through vibrations and pulses.**
**- Control valve allows vibration intensity to be adjusted to type of work to be carried out.**

CE

| | | |
|---|---|---|
| **1462/EI** | 1 | 014620240 |

## 1462PIM

injector maintenance plates, pair

**vice locking sections:**
**Ø 11-12-13-14-16-19-20 mm**

| | | |
|---|---|---|
| **1462PIM** | 1 | 014620502 |

## 1463/KIT

valve timing system pulley locking kit

| | | |
|---|---|---|
| **1463/KIT** | 1 | 014630001 |

280x140x75 mm - 1,2 kg

## 1464T
digital pressure and compression tester

SPECIFICATIONS
- 5" touch screen display
- rechargeable polymer lithium battery
- complete with 80 bar sensor (for low pressure) and USB cable

A major advantage of item 1464T is that you can purchase several different additional kits to perform other tests as well, including the high pressure circuit test in common rail engines:

- **1464ADB** for testing AdBlue® system pressure
- **1464VD** for measuring and storing maximum vacuum value
- **1464FAP** for testing diesel particulate filter (DPF) pressure
- **1464APB** for testing high pressure system in FSI petrol engines
- **1464PF** for testing pressure in braking system
- **1464PT** for testing turbo pressure
- **1464TDI** for testing pump pressure in TDI engines
- **1464FG** Set of dummy regulators for testing diesel common rail system
- **1464CBD** Comprehensive adapter set for testing compression in petrol and diesel engines
- **1464IC** Set of dummy injectors and dummy glow plugs to check compression in diesel engines
- **960AD/TP2** for petrol and diesel engine compression, engine oil pressure, common rail low pressure, petrol injection pressure

**1464T** 1 014640050

## 1464T/SP80
pressure sensor, 80 bars,
for items 1464T and 960TP

**1464T/SP80** 1 014640053

## 960AD/TP2
set of adaptors for item 960TP
in plastic case

**960AD/TP2** 1 009600510

430x310x50 mm - 3,2 kg

## 1464CBD
comprehensive adapter set for testing compression in petrol and diesel engines, with tester 1464T

**Makes it possible to connect to engine to test petrol and diesel compression with tester 1464T**
**Contents:**
**- 8 dummy spark plugs with non-return valves**
**- 44 dummy glow plugs with non-return valves**
**- 1 adjustable universal dummy injector for cars, trucks, marine engines and agricultural machines**
**- 1 90° adapter, pressure release valve and connecting hose**
**- space accommodating tester 1464T in case**

**1464CBD** 1 014640300

510x410x140 mm - 5,5 kg

## 1464IC
complete set of dummy injectors and dummy glow plugs for item 1464T

Makes it possible to connect to the engine to check compression in diesel engines with digital tester 1464T.

Contents:
- 22 dummy glow plugs
- 5 dummy injectors
- 1 universal dummy injector kit for cars, trucks, marine engines and agricultural machines

**1464IC** 1 014640350

559x312x50 mm - 4,5 kg

## 1464IC/RK
universal dummy injector kit for cars, trucks, marine engines and agricultural machines

**supplied with item 1464IC**

**1464IC/RK** 1 014640377

200x110x30 mm - 885 g

## 1464AP
set for testing high pressure system in common rail diesel engines, with item 1464T

Complete with:
- high pressure pipe set
- fittings
- 2,000 bar sensor

**1464AP** 1 014640450

430x310x50 mm - 1,8 kg

## 1464AP T
high-pressure pipe
for items 1464AP and 960TAP

**1464AP T12X12** 1 014640453
**1464AP T12X14** 1 014640454
**1464AP T14X12-M1,0** 1 014640455

## 1464AP T16X12

**1464AP T16X12** 1 014640456

## 1464FG

set of dummy regulators
for testing diesel common rail system
(for use with Beta 1464T-1464AP)

Used with the tester and suitable adapters, it makes it possible to determine whether the problem is the high pressure pump or the regulator when there is no pressure in the high pressure circuit in common rail engines.
Recommended for Bosch, Delphi, Denso and Siemens pressure regulators

**1464FG** 1 014640470

350x250x80 mm - 1,8 kg

## 1464FG/CP4

dummy regulator for Bosch CP4 pump,
not supplied with item 1464FG

**1464FG/CP4** 1 014640475

## 1464APB

set for testing high pressure
system in FSI petrol engines,
for use with item 1464T

comes with 200 bar sensor
and connectors

**1464APB** 1 014640500

240x210x50 mm - 0,5 kg

## 1464PB

set of 9 connectors for testing
fuel low pressure
(for use with item 1464T)

**Quick connectors to tester 1464T
allow fuel low pressure in diesel and petrol engines to be quickly checked**

**1464PB** 1 014640700

530x440x120 mm - 3,8 kg

## 1464ADB

set for testing AdBlue® system pressure
for item 1464T

**Supplied with adaptors for use with 80-bar standard sensor supplied with item
1464T**

**1464ADB** 1 014640620

240x210x50 mm - 0,5 kg

## 1464FAP

set for testing diesel particulate filter (DPF)
pressure
for item 1464T

Supplied with:
- 500 mbar sensor
- 8 mm adaptor with quick coupling and T fitting
- 3-m-long RJ45 cable

**Technical data:**
• Pressure test: 0÷500 mbar
• Resolution: 1 mbar

**1464FAP** 1 014640610

240x210x50 mm - 0,5 kg

## 1464PT

set for testing
turbo pressure,
for use with item 1464T

comes with sensor
and connecting cable

**1464PT** 1 014640550

240x210x50 mm - 380 g

## 1464TDI

set for testing
pump pressure
in TDI engines,
for use with item 1464T

comes with connector

**1464TDI** 1 014640600

240x210x50 mm - 400 g

## 1464VD

vacuum testing set
for item 1464T

For measuring and storing maximum vacuum value
Supplied with:
- 800 mbar sensor
- 6 and 8 mm adaptors
- 3-m-long RJ45 cable

**Technical data:**
• Vacuum test: 0÷800 mbar
• Resolution: 1 mbar
• Maximum value storage

**1464VD** 1 014640570

240x210x50 mm

## 1464PF

set for testing
pressure in braking
system,
for use with item 1464T

comes with adapters
and connectors

| | | |
|---|---|---|
| **1464PF** | 1 | 014640650 |

400x280x60 mm - 3 kg

## 1465

engine efficiency tester

Allows endothermic engine compression to be tested within just a few seconds, without requiring connection to engine, taking power from vehicle battery, through a dedicated software

Step 1: calculating engine rpm
Step 2: testing battery voltage trend during each revolution
Step 3: displaying absorbed power and compression calculated through starter operation for each piston
Step 4: testing battery charge and efficiency

**Technical data:**
- Operating voltage: 12V DC (vehicle battery)
- Dimensions: 140x75x30 mm
- Clamp cable length: 1300 mm
- Weight: 215 g

| | | |
|---|---|---|
| **1465** | 1 | 014650010 |

## 1466/C5

kit of 5 brake
bleeding wrenches

**kit contents:**
- **5 wrenches sizes 7-8-9-10-11 mm**
- **1 drain hose with check valve**

| | | |
|---|---|---|
| **1466/C5** | 1 | 014660100 |

260x170x50 mm - 600 g

## 1466L 11

brake bleeding wrench, 11 mm,
long version

| | ⬡ mm | L mm | | |
|---|---|---|---|---|
| **1466L 11** | 11 | 60 | 1 | 014660211 |

## 1466TLF

brake oil recovery tank
capacity: 1.5 l

**Quick coupler for bleeding pipe Ø 5.5 mm**

| | | |
|---|---|---|
| **1466TLF** | 1 | 014660201 |

## 1467

brake fluid extractor

Pressure: min 5 bar, max 11.5 bar

| | l | | |
|---|---|---|---|
| **1467** | 1,5 | 1 | 014670001 |

## 1467/RK1

spare tube kit for item 1467

| | | |
|---|---|---|
| **1467/RK1** | 1 | 014670501 |

## 1467/RK2

spare filler for item 1467

| | | |
|---|---|---|
| **1467/RK2** | 1 | 014670502 |

## 1467LF/2

electric instrument for brake fluid replacement

with "pulsating effect" function

- Automatically stops when tank is empty, thereby preventing air from being let in
- Maximum tank volume: 20 l
- Operating pressure: 0.4÷3.5 bar
- Power supply: 230V

Supplied with:
- Brake oil recovery tank
- 1 standard cap E20

| | | |
|---|---|---|
| **1467LF/2** | 1 | 014670099 |

## 1467LF/RC

vessel with recovery tube for item 1467LF

| | | |
|---|---|---|
| **1467LF RC** | 1 | 014670125 |

## 1467TU
plug for brake fluid tanks

- can be adapted to 90% of available tanks
- for use with Beta's item 1467LF

| | | |
|---|---|---|
| 1467TU | 1 | 014670090 |

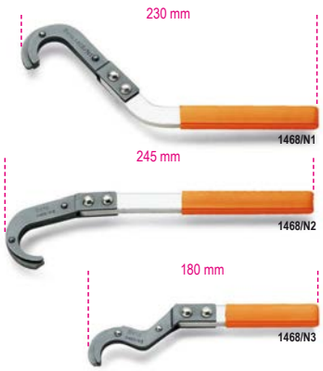
## 1467T/C6
set of adapter plugs
for brake fluid tanks,
for use with BETA items 1467LF and 1467LF/2

**Set contents:**
- 1 plug for Toyota vehicles
- 1 plug for Ford, Hyundai, Mazda, Mitsubishi, Nissan, Subaru vehicles
- 1 plug for Honda vehicles
- 1 plug for Mazda and Suzuki vehicles
- 1 plug for Nissan vehicles
- 1 brake bleeding adapter plug for European vehicles

| | | |
|---|---|---|
| 1467T/C6 | 1 | 014670080 |

350x240x85 mm - 1,8 kg

## 1468N
valve depressors for disc removal



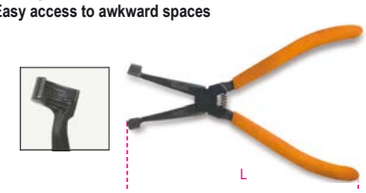

| | | |
|---|---|---|
| 1468N/1 | 1 | 014680011 |
| 1468N/2 | 1 | 014680012 |
| 1468N/3 | 1 | 014680013 |

## 1470
drum brake spring pliers

| L mm | | |
|---|---|---|
| 210 | 1 | 014700001 |
| 330 | 1 | 014700002 |
| 540 | 1 | 014700010 |

## 1470FT
drum brake shoe spring clamp pliers

**40° angled noses**
**Easy access to awkward spaces**




| L mm | | |
|---|---|---|
| 184 | 1 | 014700000 |

## 1470PF
tool for replacing cylinders
in drum brakes
**jaws remain open, for easy cylinder replacement**

38"

⎔ 17 mm

| A mm | | |
|---|---|---|
| 25÷140 | 1 | 014700200 |

## 1471
drum brake spring pliers

| L mm | | |
|---|---|---|
| 330 | 1 | 014710001 |

## 1471A
handbrake wire pliers

| A max mm | B mm | | |
|---|---|---|---|
| 45 | 5 | 2 | 014710010 |

## 1471GF
mouldable hooks for supporting brake calipers while replacing pads, pair

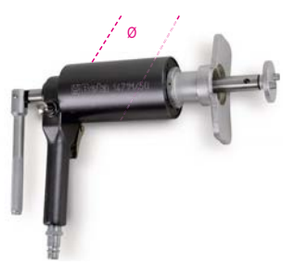
| | Max kg | | |
|---|---|---|---|
| 1471GF | 5 | 1 | 014710310 |

## 1471M/C22
pneumatic tool for pushing back and rotating right and left disc brake pistons with accessories

| | | |
|---|---|---|
| 1471M/C22 | 1 | 014710101 |

350x310x85 mm - 3,5 kg

## 1471M/50
pneumatic tool for pushing back and rotating right and left disc brake pistons with accessories




| Ø mm | Kg | Bar | | |
|---|---|---|---|---|
| 50 | 150 | 5÷8 | 1 | 014710069 |

## 1471M/P
worn pad and TRW-Mégane caliper adapters

| | |
|---|---|
| 1471M/P | 1 014710080 |

## 1471M/W50
VW Passat handbrake adapter (≥ 2005)

| | |
|---|---|
| 1471M/W50 | 1 014710079 |

## 1471PN/B1
Ford handbrake adapter

| | |
|---|---|
| 1471PN/B1 | 1 014710081 |

## 1471PN/B2
Daily handbrake adapter

| | |
|---|---|
| 1471PN/B2 | 1 014710082 |

## 1471PN/B3
BMW handbrake adapter

| | |
|---|---|
| 1471PN/B3 | 1 014710083 |

## 1471PN/B4
BMW handbrake adapter

| | |
|---|---|
| 1471PN/B4 | 1 014710084 |

## 1471PN/B5
Mini/ BMW handbrake adapter

| | |
|---|---|
| 1471PN/B5 | 1 014710085 |

## 1471CF
pentagon hand sockets for brake caliper nuts

12"

| mm | |
|---|---|
| 14 | 1 014710314 |
| 19 | 1 014710319 |

## 1471CM
pentagon socket driver for brake caliper screws

12"

| mm | |
|---|---|
| 10 | 1 014710360 |

## 1471CM/E11
hexagon socket driver, 11 mm, for Mercedes ML brake caliper screws (series 166)

12"

| mm | Ø mm | L mm | L1 mm | |
|---|---|---|---|---|
| 11 | 24 | 75 | 15,5 | 1 014710361 |

## 1471D2
tool for pushing back front disc brake pistons, with closed callipers

**Two pairs of plates for working on 2 and 4 piston callipers**

| mm | |
|---|---|
| 10 | 1 014710301 |

250x170x60 mm 1,5 kg

## 1471T/C5
5 slogging wrenches for truck brake calipers

**can be used with torque wrenches for tightening operations**
**included sizes:**
- **female Torx wrenches E18, E20, E24**
- **ring wrenches M24, M26**

34"

| | |
|---|---|
| 1471T/C5 | 1 014710400 |

275x220x60 mm - 3,1 kg

## 1472
hose clamp pliers

| | |
|---|---|
| 1472 | 1 014720001 |

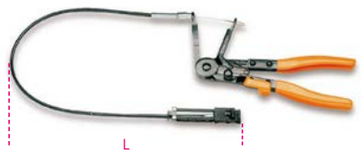
## 1472AU
automatic hose clamp pliers

| Ø mm | |
|---|---|
| 18÷53 | 1 014720100 |

## 1472R/AU
spare tips for pliers 1472AU

| | |
|---|---|
| 1472AU/R | 1 014720101 |

## 1472AU/P
automatic hose ring pliers
with extension




| ø mm | L mm | | |
|---|---|---|---|
| 18÷54 | 630 | 1 | 014720105 |

## 1472AU/RP
spare cable for pliers 1472AU/P

| | | |
|---|---|---|
| 1472AUP/R | 1 | 014720106 |

## 1472B/RNLT
double head socket, specially designed for suction hose clamps installed on Renault group engines

| | | |
|---|---|---|
| 1472B/RNLT | 1 | 014720250 |

## 1472FC
Clic® collar pliers with swivel heads

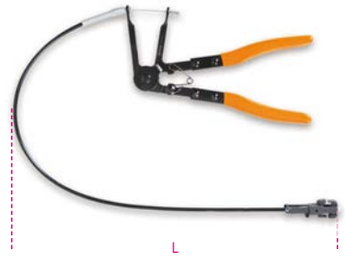
| | | |
|---|---|---|
| 1472FC | 1 | 014720090 |

## 1472FC/GE
heavy-duty Clic® collar pliers

**particularly suitable for large-size clippers**

| L mm | | |
|---|---|---|
| 230 | 1 | 014720093 |

## 1472FC/L
Clic® collar pliers with flexible extension




| L | | |
|---|---|---|
| 630 mm | 1 | 014720095 |

## 1472FCL/RP
spare cable for pliers 1472FC/L

| | | |
|---|---|---|
| 1472FCL/RP | 1 | 014720096 |

## 1472FCA
collar removal pliers
with Visa ® type rack

| | | |
|---|---|---|
| 1472FCA | 1 | 014720041 |

## 1472H
Henn clamp removal tool

| L mm | | |
|---|---|---|
| 1472H 100 | 1 | 014720000 |

## 1472MT/VW
pair of claws for disconnecting
suction manifolds in VAG cars

**Can be used on turbocharged petrol engines 1.0 - 1.2 - 1.4**

| | | |
|---|---|---|
| 1472MT/VW | 1 | 014720500 |

## 1472TM
quick coupler pliers for multijet filters

| | | |
|---|---|---|
| 1472TM | 1 | 014720200 |

## 1472VW
hose clamp pliers,
with swivel heads

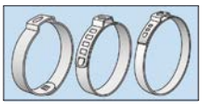
**For Volkswagen and Mercedes cars**

| | | |
|---|---|---|
| 1472VW | 1 | 014720051 |

## 1473
OETIKER® collar pliers

| | | |
|---|---|---|
| 1473 275 | 1 | 014730001 |

## 1473A
slotholder pliers for OETIKER® collars



| | | |
|---|---|---|
| 1473A | 1 | 014730010 |

## 1473Q
OETIKER® collar pliers with drive

**For use with:**
- **torque wrenches**
- **ratchets**
- **male drives**

3/8"

| | | |
|---|---|---|
| 1473Q | 1 | 014730005 |

## 1473P
clamp pliers for OETIKER® low-profile collars

| | A Max mm | | |
|---|---|---|---|
| 1473P | 53 | 1 | 014730020 |

## 1473FN
tool for tightening and cutting
strap ties made of stainless steel

**For use with Panduit® ties and the like**

| | A mm | | |
|---|---|---|---|
| 1473FN | 4,7÷9,5 | 1 | 014730501 |

## 1473T
steel collar cutting nippers

**allows collars to be cut**
**without risking damaging guards, sleeves etc.**

| | A Max mm | L mm | | |
|---|---|---|---|---|
| 1473T | 14 | 220 | 1 | 014730582 |

## 1474/C4
kit of 4 tools for removing Volkswagen spark plug coils

| | | | |
|---|---|---|---|
| 1474/C4 | 1 | 014740100 |

290x190x50 mm - 1 kg

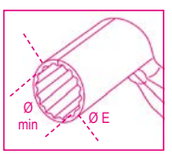
## 1474E/VW
expansion puller for ignition coils,
Volkswagen group

| | | |
|---|---|---|
| 1474E/VW | 1 | 014740120 |

## 1474E/VW2
ignition coil puller,
for VAG group vehicles
**for use on engines 1.0 - 1.2 - 1.4 - 2.0**

| | | |
|---|---|---|
| 1474E/VW2 | 1 | 014740150 |

## 1474L
spark-plug pliers, curved long nose, 15°




| | Ø min mm | Ø E mm | | |
|---|---|---|---|---|
| 1474L | 14 | 20 | 2 | 014740010 |

## 1474DL
spark-plug pliers, long nose,
double layer PVC coated handles

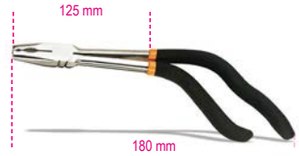
| | | |
|---|---|---|
| 1474DL | 1 | 014740015 |

## 1474G
curved long nose pliers
for removing glow plug caps

| | | |
|---|---|---|
| 1474G | 1 | 014740200 |

## 1475U

combination pliers,
bright chrome-plated,
double layer PVC coated gun handles




| | | |
|---|---|---|
| **1475U** | 1 | 014750010 |

## 1476

adjustable self-locking pliers
for exhaust pipe cutting

| Ø min mm | Ø max mm | L mm | | |
|---|---|---|---|---|
| **19** | 75 | 225 | 1 | 014760002 |

## 1476/RC

spare chain for item 1476

| | | |
|---|---|---|
| **1476/RC** | 1 | 014760012 |

## 1476A

pliers for exhaust pipe cutting

| Ø min mm | Ø max mm | | |
|---|---|---|---|
| **30** | 95 | 1 | 014760005 |

## 1476A/RC

spare chain for item 1476A

| | | |
|---|---|---|
| **1476A/RC** | 1 | 014760015 |

## 1476C/1

exhaust pipe expanders

| | | |
|---|---|---|
| **1476C/1**<br>Ø 30÷42 mm<br>L = 131 mm<br>L1 = 51 mm | 1 | 014760101 |

## 1476GT

pliers for removing rubber supports
from exhaust pipes

| L mm | A Max mm | mm | | |
|---|---|---|---|---|
| **280** | 58 | 3 | 1 | 014760050 |

## 1476PSA

exhaust collar pliers
with pin, PSA group

**Nose shape and automatic rack locking make it possible to work without pulling out pin**

| L mm | A Max mm | S mm | | |
|---|---|---|---|---|
| **309** | 60 | 12,2 | 1 | 014760060 |

## 1476T

wrench for removing/installing turbines
on Volkswagen Audi diesel engines

| mm | | |
|---|---|---|
| **12** | 1 | 014760200 |

## 1477/C10

bent wrench with 9 bits
for belt tightening nuts

**1 bent wrench with bit drive**
**4 double bi-hex bits: 12x14 - 13x15 - 16x17 - 18x19 mm**
**5 bits for Torx(R) head screws: E10 - E12 - E14 - E16 - E18**

| | | |
|---|---|---|
| **1477/C10** | 1 | 014770310 |

530x110x55 mm

## 1477D

ring wrenches for belt tightening nuts

| mm | | |
|---|---|---|
| **13** | 1 | 014770113 |
| **15** | 1 | 014770115 |
| **16** | 1 | 014770116 |
| **17** | 1 | 014770117 |
| **19** | 1 | 014770119 |

## 1477D/S5

set of 5 ring wrenches for belt tightening nuts

| | | |
|---|---|---|
| **1477D/S5**<br>13-15-16-17-19 mm | 1 | 014770200 |

600x200x70 mm - 2,2 kg

## 1477K/7

kit with bent reversible ratcheting wrench
and bits

- 2 TORX T40-T45 bits
- 1 XZN 10 bit
- 1 hexagon bit, 8 mm
- 3 bi-hex bits, 10-12-13 mm

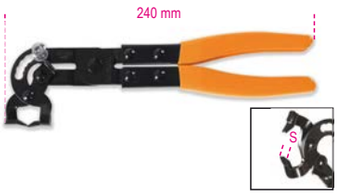
| | L mm | | |
|---|---|---|---|
| **1477K/7** | 250 | 1 | 014770051 |

## 1478
pin removing pliers

| | | |
|---|---|---|
| 1478 | 1 | 014780001 |

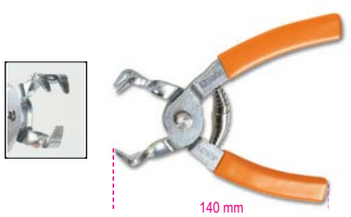
## 1478T
plastic pin removable pliers
with swivel head and pressure clips

**Head can be rotated 90°**




| | S mm | | |
|---|---|---|---|
| 1478T | 4,5 | 1 | 014780101 |

## 1478/3P
plastic pin removal pliers
with 3 release points




| | | |
|---|---|---|
| 1478/3P | 1 | 014780151 |

## 1479
trim pin remover

| | | |
|---|---|---|
| 1479 | 2 | 014790001 |

## 1479/B27
kit of 27 nylon tools for removing pins and working on plastics and seals, hangable

| | | |
|---|---|---|
| 1479/B27 | 1 | 014790407 |

## 1479LB/C5
kit of 5 metal trim pin removers

| | | |
|---|---|---|
| 1479LB/C5 | 1 | 014790150 |

215x165x50 mm

## 1479L/S2
multipurpose wrecking bars, pair, made of Teflon ®

| | | |
|---|---|---|
| 1479L/S2 | 1 | 014790510 |

## 1479LV/S3
kit of 3 multipurpose wrecking bars, made of metal

**sizes:**
**1479LV/1: 10x12 mm**
**1479LV/2: 4.8x9.6 mm**
**1479LV/3: 2.8x6 mm**

| | | |
|---|---|---|
| 1479LV/S3 | 1 | 014790100 |

## 1479L/K4
4 wrecking bars for jobs on dashboards and delicate parts

| | | |
|---|---|---|
| 1479L/K4 | 1 | 014790604 |

## 1479ML/B17
kit of 17 multipurpose wrecking bars, made of plastic

**particularly recommended for precision jobs**

| | | |
|---|---|---|
| 1479ML/B17 | 1 | 014790700 |

## 1479ML/S3
kit of 3 multipurpose wrecking bars, made of plastic

**Particularly recommended for precision jobs**

| | | |
|---|---|---|
| 1479ML/S3 | 1 | 014790603 |

## 1479N/S5
kit of 5 nylon trim pin removers

| | | |
|---|---|---|
| 1479N/S5 | 1 | 014790251 |

## 1479RB/1
straight putty knife scraper

| | | |
|---|---|---|
| **1479RB/1** | 1 | 014790315 |

## 1479RB/2
bent putty knife scraper

| | | |
|---|---|---|
| **1479RB/2** | 1 | 014790320 |

## 1479RB/3
flat putty knife scraper

| | | |
|---|---|---|
| **1479RB/3** | 1 | 014790310 |

## 1479U/13
putty knife scrapers

| | | |
|---|---|---|
| **1479U/13** | 2 | 014790010 |

## 1479U/32
trim pin remover, stainless steel blade

| | | |
|---|---|---|
| **1479U/32** | 2 | 014790015 |

## 1480
Kit for filling diesel oil filters of cars without electric pumps
• Also for use with tyre inflators

**Kit contents:**
- GM quick couplings
- Renault, GM, Fiat quick couplings, inside Ø 6 mm
- Renault, GM, Fiat quick couplings, inside Ø 7 mm
- Fordquick couplings
- PSA quick couplings, inside Ø 6 mm
- PSA quick couplings, inside Ø 7 mm
- Ford quick couplings
- 2 cone-shaped adapters for cars without quick couplings

| | | |
|---|---|---|
| **1480** | 1 | 014800010 |

410x320x70 mm

## 1481/C12
Kit of 6 pairs of hose pliers

**Kit contents:**
- 2 different pairs of pliers size 1/4"
- 2 different pairs of pliers size 3/8"
- 2 different pairs of pliers size 5/16"
- 3 pairs of rubber caps

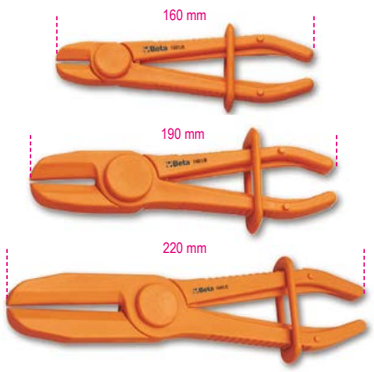
| | | |
|---|---|---|
| **1481/C12** | 1 | 014810312 |

370x270x59 mm

## 1481K/S4
kit of 4 self-locking terminals for line obstruction
**sizes:**
**5/16" - 3/8" - 1/2" and loop**

| | | |
|---|---|---|
| **1481K/S4** | 1 | 014810400 |

## 1481PL/A
plastic hose pliers




| | Ø mm | | |
|---|---|---|---|
| **1481PL/A** | 8÷15 | 3 | 014810110 |
| **1481PL/B** | 15÷25 | 3 | 014810120 |
| **1481PL/C** | 25÷45 | 3 | 014810130 |

## 1481PL/S3
set of 3 plastic hose pliers

| | | |
|---|---|---|
| **1481PL/S3** | 1 | 014810200 |

1481PL-A Ø 8÷15 mm
1481PL-B Ø 15÷25 mm
1481PL-C Ø 25÷45 mm

## 1481T/C12
set of fuel line plugs

**3 pairs of plugs with male/female quick couplers for closing fuel lines**

| | | |
|---|---|---|
| **1481T/C12** | 1 | 014810212 |

275x220x45 mm - 540 g

## 1482
adjustable self-locking wrench for tank floating ring nuts

| Ø mm | | |
|---|---|---|
| **89÷170** | 1 | 014820001 |
| **89÷200** | 1 | 014820002 |

## 1482A/1
3-leg wrench for floating ring nuts, tank with aluminium ring nut

**For operating on aluminium ring nut installed on Fiat, Volkswagen, Opel, Chevrolet, Mercedes and BMW cars since 2011**

12"

| Ø mm | | |
|---|---|---|
| **185** | 1 | 014820005 |

## 1482A/3
wrench for tank floating ring nuts, PSA group

**So designed as to make it possible to operate on decentralized axis by removing ring nut, without damaging delicate fuel line**

| Ø mm | | |
|---|---|---|
| **157** | 1 | 014820007 |

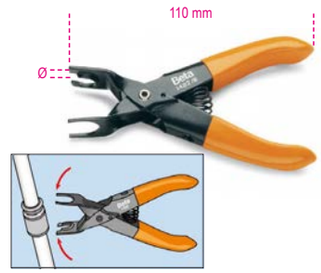
## 1482A/5
wrench for tank floating ring nuts, 22 sectors

**for use on plastic ring nuts in VAG group cars**

12"

| Ø mm | | |
|---|---|---|
| **180** | 1 | 014820015 |

## 1482/8 - 1482/10
quick coupler pliers for fuel pipes




| | Ø mm | | |
|---|---|---|---|
| **1482/8** | 8 | 2 | 014820008 |
| **1482/10** | 10 | 2 | 014820010 |

## 1482B
quick coupler pliers for fuel pipes

| | | |
|---|---|---|
| **1482B** | 1 | 014820021 |

## 1482SN
quick coupler swivel pliers for fuel pipes, with articulated jaws

| L mm | | |
|---|---|---|
| **260** | 1 | 014820110 |

## 1482C
wedges (2 pairs) for releasing diesel fuel filter fittings, Fiat, Volkswagen, Jeep, Chrysler and Volvo groups

**Quick filter replacement without irreparably damaging fittings**

| | | |
|---|---|---|
| **1482C** | 1 | 014820022 |

## 1482D
quick coupler pliers for fuel pipes, with flexible extension

| | | |
|---|---|---|
| **1482D** | 1 | 014820026 |

## 1483K/12
kit for removing valves from air-conditioning system with set of five-star head bits

**Kit contents:**
- **2 female octagon sockets, Ø 12 and 15 mm, for high-pressure valves**
- **2 male open end sockets, section 2.2 and 3.2 mm, for throttle valves**
- **1 set of five-star head bits: PT10, PT15, PT20, PT25, PT27, PT30, PT40**

1/4"

1/4

| | | |
|---|---|---|
| **1483K/12** | 1 | 014830012 |

120x80x35 mm

## 1483KV-PT/S7
set of five-star head bits

**Included sizes:**
**PT10 - PT15 - PT20 - PT25 - PT27 - PT30 - PT40**

1/4

| | | |
|---|---|---|
| **1483KV PT/S7** | 1 | 014830117 |

## 1483K/22
kit for separating couplers on air-conditioning, fuel supply and lubrication systems

| | | |
|---|---|---|
| **1483K/22** | 1 | 014830022 |

300x230x55 mm - 1 kg

## 1484
set of 2 tools for removing and installing stretch belts

**Allows stretch belt to be quickly removed and correctly installed, without risking damaging it**

| | | |
|---|---|---|
| **1484** | 1 | 014840010 |

## 1484PSA
tool for installing water pump stretch belt without belt tightener

**for use for PSA and Opel group vehicles engines 1.0 - 1.2**

| | | |
|---|---|---|
| **1484PSA** | 1 | 014840012 |

## 1485BP
half-moon tool for locking toothed pulleys

**can be adjusted through swivel handle, tightens and locks pulley from outside, preventing neighbouring sensors from getting damaged**

| A Max mm | | |
|---|---|---|
| **130** | 1 | 014850000 |

## 1485BPM
half-moon tool with aluminium jaws for locking multi-groove pulleys

**can be adjusted through swivel handle; tightens and locks pulley from outside, preventing neighbouring sensors from getting damaged**

| A Max mm | | |
|---|---|---|
| **180** | 1 | 014850002 |

## 1485FCA/K2
tools for pre-loading timing belt bearings, pair, FCA group

**recommended for 1.2, 1.4 8/16 V and 1.4 Multiair engines**

- **1 175-mm-long tool with 13.5-mm-deep push rods**
- **1 305-mm-long articulated tool with 13.5-mm-deep push rods**

| | | |
|---|---|---|
| **1485FCA/K2** | 1 | 014850220 |

## 1485FCA/T
timing belt tensioner, long series, with 13.5 mm inserts

| L mm | P mm | | |
|---|---|---|---|
| **175** | 13,3 | 1 | 014850210 |

## 1485FCA/TS
timing belt tensioner, articulated, with 13.5 mm inserts

| L mm | P mm | | |
|---|---|---|---|
| **305** | 13,5 | 1 | 014850215 |

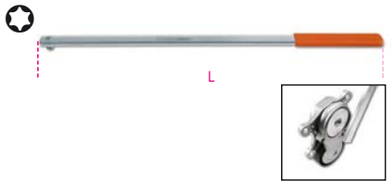
## 1485FRD/T
tensioning lever for service belts mounted on Ford engines

**can be used to remove alternator pulleys**

| L mm | Q mm | | |
|---|---|---|---|
| **450** | 12,80 | 1 | 014850310 |

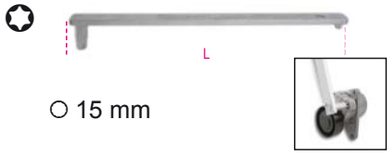
## 1485MRC/T
tensioning lever for service belts mounted on Mercedes engines

**for use with M133 - M270 engines**




| L mm | | | |
|---|---|---|---|
| **510** | T55 | 1 | 014850315 |

## 1485VLV/T
tensioning lever for service belts mounted on Volvo engines




| L mm | | mm | | |
|---|---|---|---|---|
| **420** | T50-T60 | 15 | 1 | 014850320 |

## 1485TC
tensioning lever for service belts, mounted on Ford, PSA, FCA engines

| L mm | | |
|---|---|---|
| **475** | 1 | 014850330 |

## 1485/KIT
kit for controlling cam belt tension

| | | |
|---|---|---|
| **1485/KIT** | 1 | 014850100 |

230x140x75 mm - 580 g

## 1485MJ

camshaft locking tool,
for 1.3 16V Multijet engines

**2 3-form heads for working on all 1.3 16V Multijet engines of FCA, Opel, Ford and Suzuki group vehicles**

| | L mm | | |
|---|---|---|---|
| **1485MJ** | 500 | 1 | 014850150 |

## 1485PMTJ

driving shaft pulley release lever for Multijet engines

**so designed as to lock driving shaft while removing pulley**

| | L mm | | |
|---|---|---|---|
| | 450 | 1 | 014850190 |

## 1485R

universal tool for rotating camshaft pulleys made from forged steel with 2 pairs of tips

| | Ø mm | Ø1 mm | L mm | | |
|---|---|---|---|---|---|
| | 30÷120 | 10 - 17 | 500 | 1 | 014850025 |

## 1485R/P10

pairs of inserts

| | | |
|---|---|---|
| **1485R/P10** | 1 | 014850035 |

## 1485R/P17

pairs of inserts

| | | |
|---|---|---|
| **1485R/P17** | 1 | 014850038 |

## 1485VAG/K2

tools for pre-loading timing belt bearings, pair

- **3-position swivel head**
- **1 tool with 12.5-mm-deep head**
- **1 tool with 21.5-mm-deep head**

| | | |
|---|---|---|
| **1485VAG/K2** | 1 | 014850080 |

## 1485VAG

tools for pre-loading timing belt bearings

- **3-position swivel head**

| | L mm | P mm | | |
|---|---|---|---|---|
| **1485VAG/12,5** | 190 | 12,5 | 1 | 014850062 |
| **1485VAG/21,5** | 195 | 21,5 | 1 | 014850071 |

## 1486/10

wrench for natural gas cylinder valves

- **VW group cars since 2008**
- **Panda from 2004 to 2012**
- **Grande Punto from 2005 to 2012**
- **Ducato since 2010**
- **new Doblò and Combo**
- **Cubo and Fiorino**

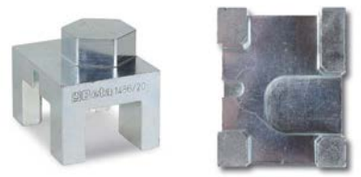
⬡ 36 mm

| | | |
|---|---|---|
| **1486/10** | 1 | 014860110 |

## 1486/20

wrench for natural gas cylinder valves

- **Multipla**
- **Ducato 1st and 2nd series until 2010**
- **Berlingo and Ranch**
- **C3 with iron cylinders**
- **Punto from 1999 to 2010**
- **Doblò 1st series**
- **Daily and Iveco group**
- **Dr5**



⬡ 36 mm

| | | |
|---|---|---|
| **1486/20** | 1 | 014860120 |

## 1486/30

wrench for natural gas cylinder valves

- **Zafira 2nd series**
- **Combo 1st series**

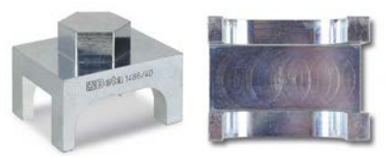
⬡ 36 mm

| | | |
|---|---|---|
| **1486/30** | 1 | 014860130 |

## 1486/40

wrench for natural gas cylinder valves

- **Touran 1st series**



⬡ 36 mm

| | | |
|---|---|---|
| **1486/40** | 1 | 014860140 |

## 1486/50

wrench for natural gas cylinder valves

- **Panda since 2012**
- **New Ypsilon**

⬡ 36 mm

| | | |
|---|---|---|
| **1486/50** | 1 | 014860150 |

## 1486/60
wrench for natural gas cylinder valves

- C4 Picasso
- BRC systems

⎔ 36 mm

| | | |
|---|---|---|
| 1486/60 | 1 | 014860160 |

## 1486/70
wrenches for natural gas cylinder valves, pair

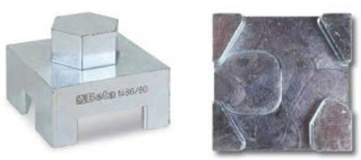
- C3 with composite cylinders

⎔ 36 mm

| | | |
|---|---|---|
| 1486/70 | 1 | 014860170 |

## 1486/80
wrench for natural gas cylinder valves

- B-Class
- Zafira 3rd series

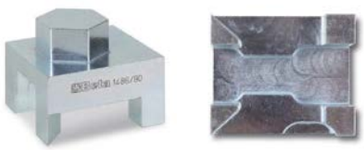


⎔ 36 mm

| | | |
|---|---|---|
| 1486/80 | 1 | 014860180 |

## 1486/90
wrench for natural gas cylinder valves

- Zafira 1st series
- Kangoo 1st series
- Sprinter



⎔ 36 mm

| | | |
|---|---|---|
| 1486/90 | 1 | 014860190 |

## 1487/K2
2 sockets for radiator drain plugs

3/8"

⎔ 17 mm

| | | |
|---|---|---|
| 1487/K2 | 1 | 014870100 |

## 1488 - 1488L
oil-filter wrench with double chain

| Ø mm | | | |
|---|---|---|---|
| 1488 | 60÷110 | 1 | 014880001 |
| 1488L | 60÷160 | 1 | 014880050 |

## 1488/1
oil-filter wrench with thin double chain

1/2"

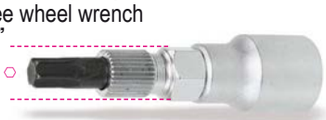
| Ø mm | | |
|---|---|---|
| 60÷110 | 1 | 014880010 |

## 1488R...
spare chain

| | | | | |
|---|---|---|---|---|
| 1488RC | 1488 | 350 | 1 | 014880101 |
| 1488R/L | 1488/L | 520 | 1 | 014880150 |
| 1488RC/1 | 1488/1 | | 1 | 014880110 |

## 1489/31T
alternator pulley free wheel wrench

1/2"



| ⎔ | ○ | | | |
|---|---|---|---|---|
| T50 | 15 | 31 | 1 | 014890016 |

## 1489/33
alternator pulley free wheel wrench

| | | | |
|---|---|---|---|
| 1489/33 | 33 | 1 | 014890010 |

## 1489/33P
alternator pulley free wheel wrench, for new Bosch FIAT Grande Punto alternators

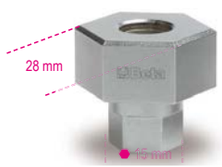
1/2"

| ⎔ M | ○ mm | | | |
|---|---|---|---|---|
| 10 | 15 | 31 | 1 | 014890015 |

## 1489/E
alternator pulley free wheel wrench

| ⎔ mm | ○ mm | | |
|---|---|---|---|
| 10 | 15 | 1 | 014890025 |

## 1489R
alternator pulley free wheel wrench




| | | |
|---|---|---|
| 1489/R | 1 | 014890020 |

## 1489/Y
alternator pulley free wheel wrench, for Nippondenso alternators

| ⎔ mm | | |
|---|---|---|
| 32 | 1 | 014890040 |

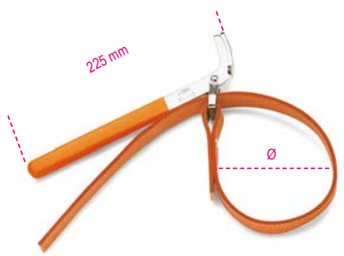
## 1489/C14
assortment of 14 tools for free alternator pulleys

| | | | |
|---|---|---|---|
| 1489/C14 | | 1 | 014890100 |

| | | |
|---|---|---|
| 867PE | 8 mm | |
| 867PE/L | 8 mm | |
| 867XZN/L | M10 | |
| 867TX/L | T50 | |
| 867/2 | □1/2" | |
| 920B | 10 mm | |
| 1489/33 | | |
| 1489/33P | M10 | |
| 1489R | | |
| 1489/Y | | |
| 1489/31T | T50 | |
| 1489/E | 10 mm | |
| 188 | 10 mm | |
| 188 | 15 mm | |

420x250x45 mm - 1,9 kg

## 1490
strap wrenches for oil filters




| | Ø max mm | | |
|---|---|---|---|
| 1490/1 | 160 | 1 | 014900001 |
| 1490/2 | 240 | 1 | 014900002 |

## 1490/R1 - 1490/R2
spare fabric straps for item 1490

| | Ø mm | | |
|---|---|---|---|
| 1490R/1 | 160 | 1 | 014900101 |
| 1490R/2 | 240 | 1 | 014900102 |

## 1490F
strap wrenches for filters

3/8" 1/2"

| Ø Max mm | | |
|---|---|---|
| 200 | 1 | 014900201 |

## 1491
adjustable oil filter wrench

| Ø mm | | |
|---|---|---|
| 65÷110 | 2 | 014910001 |

## 1491R
spare metal band for item 1491

| | | |
|---|---|---|
| 1491R | 10 | 014910010 |

## 1491A
adjustable oil filter pliers

**Precision adjustment through rack**

| L mm | Ø min - Max mm | | |
|---|---|---|---|
| 345 | 55 ÷ 140 | 1 | 014910040 |

## 1491T
adjustable truck oil filter pliers

**Precision adjustment through rack**
**For use with drier filters**

| L mm | Ø min - Max mm | | |
|---|---|---|---|
| 500 | 70÷200 | 1 | 014910050 |

## 1492/1 - 1492/2
adjustable oil filter wrenches

| | Ø mm | | |
|---|---|---|---|
| 1492/1 | 60÷80 | 1 | 014920001 |
| 1492/2 | 80÷110 | 1 | 014920002 |

## 1492T
drier filter wrenches

1/2"

| | Ø mm | H mm | | |
|---|---|---|---|---|
| 1492T 40 | 125÷145 | 40 | 1 | 014920540 |
| 1492T 75 | 120÷140 | 75 | 1 | 014920575 |

## 1493B
bi-hex wrenches
for hard-to-reach oil filter cartridges

3/8"

| mm | S mm | | |
|---|---|---|---|
| 24 | 8 | 1 | 014930524 |
| 27 | 8 | 1 | 014930527 |
| 32 | 8 | 1 | 014930532 |
| 36 | 8 | 1 | 014930536 |
| 38 | 8 | 1 | 014930538 |

## 1493B/S5
set of 5 bi-hex wrenches
for hard-to-reach oil filter cartridges

**sizes:**
**24-27-32-36-38 mm**

3/8"

| | | |
|---|---|---|
| 1493B/S5 | 1 | 014930599 |

## 1493
oil filter wrench

12"

| Ø mm | N | | |
|---|---|---|---|
| 65 | 14 | 1 | 014930200 |
| 68 | 14 | 1 | 014930206 |
| 73 | 14 | 1 | 014930208 |
| 74 | 14 | 1 | 014930209 |
| 74 | 15 | 1 | 014930210 |
| 75-77 | 15 | 1 | 014930212 |
| 76 | 8 | 1 | 014930214 |
| 76 | 14 | 1 | 014930218 |
| 76-74 | 15 | 1 | 014930220 |
| 78 | 15 | 1 | 014930224 |
| 80 | 15 | 1 | 014930226 |
| 82-80 | 15 | 1 | 014930228 |
| 86 | 16 | 1 | 014930230 |
| 90 | 15 | 1 | 014930234 |
| 92 | 10 | 1 | 014930236 |
| 93 | 15 | 1 | 014930238 |
| 95 | 15 | 1 | 014930244 |
| 100 | 15 | 1 | 014930248 |
| 106 | 15 | 1 | 014930250 |
| 108 | 15 | 1 | 014930252 |
| 135 | 18 | 1 | 014930256 |

## 1493/PF
Purflux® oil-filter wrenches

12"

| Ø mm | N | | |
|---|---|---|---|
| 66 | 6 | 1 | 014930202 |
| 76 | 12 | 1 | 014930216 |
| 76 | 30 | 1 | 014930222 |
| 86 | 18 | 1 | 014930232 |
| 93 | 36 | 1 | 014930240 |
| 93 | 45 | 1 | 014930242 |
| 96 | 18 | 1 | 014930246 |
| 108 | 18 | 1 | 014930254 |

## 1493/C30
set of 28 oil filter wrenches

12"

Sizes included in kit (Ø mm / n°. of sides)
1493:
65/14 - 67/14 - 68/14 - 73/14 - 74/15
76/15 - 75.77/15 - 76/14 - 76/8 - 78/15 - 80/15
82/15 - 86/16 - 90/15 - 92/10 - 93/15 - 95/15
100/15 - 106/15 - 108/15

1493PF (Purflux)
66/6 - 76/12 - 76/30- 86/18
93/36 - 93/45 - 96/18 - 108/18

- Includes 1 adjustable oil filter wrench
Ø 65÷120 mm

| | | |
|---|---|---|
| **1493/C30** | 1 | 014930000 |

530x400x110 mm - 4 kg

## 1493AL
oil filter wrenches

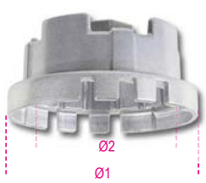
**N= number of sides**

3/8"
1/2"

| Ø mm | N | ⬢ | □ | | |
|---|---|---|---|---|---|
| 64 | 14 | 27 | ½" | 1 | 014930310 |
| 66,5 | 14 | 27 | ½" | 1 | 014930315 |
| 74 | 14 | 27 | ½" | 1 | 014930320 |
| 79 | 15 | 27 | 3/8" | 1 | 014930325 |
| 84 | 14 | 27 | 3/8" | 1 | 014930330 |
| 87 | 16 | 27 | ½" | 1 | 014930335 |
| 92 | 15 | 27 | 3/8" | 1 | 014930340 |
| 94,5 | 15 | 27 | 3/8" | 1 | 014930345 |
| 100,5 | 15 | 27 | 3/8" | 1 | 014930350 |

## 1493AL 4S
oil filter wrenches
for Asian cars
**4-hook profile**

3/8"




| Ø1 mm | Ø2 mm | | | |
|---|---|---|---|---|
| 70 | 64,5 | 27 | 1 | 014930304 |
| 80 | 64,5 | 27 | 1 | 014930305 |

## 1493AL CF
hexagon socket wrenches
for oil filter cartridges

12"

| Ø mm | H mm | ⬢ | | |
|---|---|---|---|---|
| 24 | 34 | 27 | 1 | 014930424 |
| 27 | 34 | 27 | 1 | 014930427 |
| 30 | 34 | 27 | 1 | 014930430 |
| 32,5 | 34 | 27 | 1 | 014930432 |
| 36 | 34 | 27 | 1 | 014930436 |
| 38 | 34 | 27 | 1 | 014930438 |

## 1493/C19
set of 18 oil filter wrenches,
particularly suitable for Asian cars

| Ø mm | N°. of sides |
|---|---|
| 63-64 | 14 |
| 66.5 | 14 |
| 74 | 14 |
| 79 | 15 |
| 84 | 14 |
| 87 | 16 |
| 92 | 15 |
| 94.5 | 15 |
| 100.5 | 15 |
| 64.5 | 14 hook wrench for Toyota cars |
| 64.5 | 14 hook wrench for Lexus cars |

**6 hexagon sockets, sizes 24-27-30-32.5-36-38 mm, for filter cartridges**
**Kit includes 1 universal adjustable wrench Ø 58÷93 mm**

12"
3/8"

| | | |
|---|---|---|
| **1493/C19** | 1 | 014930019 |

490x450x60 mm - 4 kg

## 1493DSG
wrench for removing/installing
DSG oil filter

12"

| mm | | |
|---|---|---|
| 24 | 1 | 014930800 |

## 1493FF

wrench for removing/installing plastic seats of Ford Peugeot Citroën oil filters engines: TDCi-HDi

**Allows plastic seat to be correctly tightened at 25 Nm by means of a torque wrench**

12"

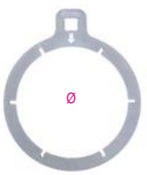
| ○ mm | | |
|---|---|---|
| 27 | 1 | 014930127 |

## 1493FT

wrench for Ford Transit Diesel oil filters

**Can be used for all Transit, Transit Custom and Tourneo Custom versions manufactured since 2012**

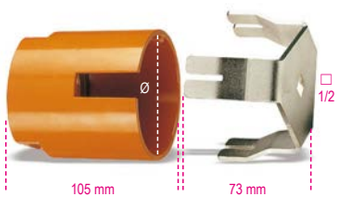
12"




| Ø mm | | |
|---|---|---|
| 115 | 1 | 014930085 |

## 1493J

wrench for MultiJet




| Ø mm | | |
|---|---|---|
| 90 | 1 | 014930080 |

## 1493VW

diesel oil filter wrench, for VAG and Volvo cars

12"

| Ø mm | | |
|---|---|---|
| 82,5 | 1 | 014930086 |

## 1493HK

diesel oil filter wrench for Hyundai Kia, 15-sided

12"

| | | |
|---|---|---|
| 1493HK | 1 | 014930087 |

## 1493/C7

self-adjusting oil filter wrench with three arms for right- and left-hand tightening, with interchangeable arms

**antislip diamond finish**
**2 sets of arms:**
- **1 set with 20 mm working length**
- **1 set with 38 mm working length**

3/8"

| Ø mm | ⎔ mm | | |
|---|---|---|---|
| 1493/C7 50÷100 | 16 | 1 | 014930079 |

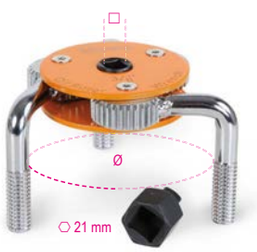
210x150x50 mm

## 1493H

self-adjusting oil filter wrench with 3 arms, for right and left hand tightening

**Knurled jaws**

3/8"
12"




| Ø mm | | |
|---|---|---|
| 1493H 72÷127 | 1 | 014930077 |

## 1493/S-U

self-adjusting oil filter wrench with 3 arms, for right and left hand tightening

| □ | Ø mm | | |
|---|---|---|---|
| 1493/S 3/8-1/2 | 80-115 | 1 | 014930074 |
| 1493/U 1/2 | 105-165 | 1 | 014930076 |

## 1493X

self-locking oil filter wrenches, for left-hand tightening

3/8"

| Ø mm | ± mm | | |
|---|---|---|---|
| 1493X/1 60÷80 | 2,9 | 1 | 014930105 |
| 1493X/2 80÷98 | 2,9 | 1 | 014930110 |

## 1493Y

self-locking oil filter wrenches, for right- and left-hand tightening, heavy-duty version

**item 1493Y/2 can also be used for drier filters**

12"

| Ø mm | ± mm | | |
|---|---|---|---|
| 1493Y/1 80÷110 | 7,3 | 1 | 014930120 |
| 1493Y/2 104÷145 | 7,3 | 1 | 014930122 |

## 1493C/ADB

socket for opening AdBlue® caps, for PSA group vehicles

3/8"

| | | |
|---|---|---|
| 1493C/ADB | 1 | 014930900 |

## 1493U/ADB

socket for opening AdBlue® drain plugs

3/8"

| | | |
|---|---|---|
| 1493U/ADB | 1 | 014930910 |

## 1494T/C5

set of special sockets for plastic oil drain plugs

**Set contents:**
- 1 socket for VAG group oil drain plugs
- 1 socket for BMW oil drain plugs
- 1 socket for PSA and Ford group oil drain plugs
- 1 socket for Mercedes oil drain plugs
- 1 "T"-handle wrench

3/8"

| | | |
|---|---|---|
| 1494T/C5 | 1 | 014940350 |

173x125x50 mm - 360 g

## 1494BMW

special socket for plastic oil drain plugs, for BMW engines

3/8"

| | | |
|---|---|---|
| 1494BMW | 1 | 014940315 |

## 1494FPC

special socket for plastic oil drain plugs, for Ford, Peugeot and Citroën engines

3/8"

| | | |
|---|---|---|
| 1494FPC | 1 | 014940320 |

## 1494VW

special socket for plastic oil drain plugs, Volkswagen engines

**Allows plastic plug to be removed and installed from oil sump.**
**Specially designed for Volkswagen cars with TFSI and TDI engines**

3/8"

| | | |
|---|---|---|
| 1494VW | 1 | 014940305 |

## 1494MRC

special socket for plastic oil drain plugs, for Mercedes engines

3/8"

| | | |
|---|---|---|
| 1494MRC | 1 | 014940325 |

## 1494MAN

special socket for plastic oil drain plugs, for DAF and MAN engines

3/8"

| | | |
|---|---|---|
| 1494MAN | 1 | 014940330 |

## 1494

square oil drain plug socket

1/2"

| mm | | |
|---|---|---|
| 10 | 1 | 014940280 |

## 1494E

male hexagon oil drain plug sockets

1/2"

| mm | | |
|---|---|---|
| 8 | 1 | 014940208 |
| 9 | 1 | 014940209 |
| 10 | 1 | 014940210 |
| 11 | 1 | 014940211 |
| 12 | 1 | 014940212 |
| 14 | 1 | 014940214 |
| 17 | 1 | 014940217 |

## 1494Q

male square oil drain plug sockets

1/2"

| mm | | |
|---|---|---|
| 8 | 1 | 014940258 |
| 9,5 | 1 | 014940259 |
| 12 | 1 | 014940262 |
| 13 | 1 | 014940263 |

## 1494T

male triangular oil drain plug socket

1/2"

| mm | | |
|---|---|---|
| 9,5 | 1 | 014940289 |

## 1494XZN

male oil drain plug socket with XZN® profile

1/2"

| M | | |
|---|---|---|
| 16 | 1 | 014940296 |

## 1494VW/K

engine oil replacement kit, for VAG cars

Kit contents:
- 1 special socket for plastic oil drain plugs
- 6 plastic oil sump plugs

| | | |
|---|---|---|
| 1494VW/K | 1 | 014940310 |

## 1494/C14A

assortment of 14 oil change tools

12"

| | | |
|---|---|---|
| 1494/C14A | 1 | 014940150 |

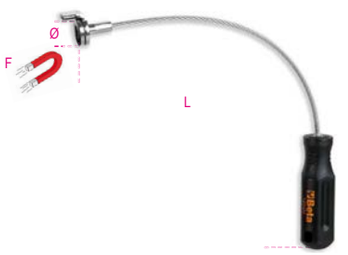
| | |
|---|---|
| 1494E | 8-9-10-11-12-14-17 |
| 1494Q | 8-9,5(3/8")-12-13 |
| 1494 | 10 |
| 1494T | 9,5(3/8") |
| 1494XZN | M16 |

380x305x40 mm - 1,7 kg

## 1494M

tool for hexagon oil drain plugs, magnetic, flexible

**Allows plug to be unscrewed without risking getting burnt or dirty**




| L mm | F kg | Ø mm | | |
|---|---|---|---|---|
| 293 | 2,5 | 19 | 1 | 014940401 |

## 1495/C6

assortment of tools for repairing oil sump threads

- Damaged thread is removed by screw tap and enlarged by one size
- Allows repairs and avoids replacing oil sump

Contents:
- 1 screw tap M13x1.25 + 6 screws + 12 washers
- 1 screw tap M13x1.5 + 6 screws + 12 washers
- 1 screw tap M15x1.5 + 6 screws + 12 washers
- 1 screw tap M17x1.5 + 6 screws + 12 washers
- 1 screw tap M20x1.5 + 6 screws + 12 washers
- 1 screw tap M22x1.5 + 6 screws + 12 washers

| | | |
|---|---|---|
| 1495/C6 | 1 | 014950500 |

420x185x60 mm - 2,1 kg

## 1495M

screw tap for oil drain plug threads

| M | | |
|---|---|---|
| 13x1,25 | 1 | 014950553 |
| 13x1,50 | 1 | 014950563 |
| 15x1,50 | 1 | 014950565 |
| 17x1,50 | 1 | 014950567 |
| 20x1,50 | 1 | 014950570 |
| 22x1,50 | 1 | 014950572 |

## 1495T

kit with 6 oil drain plugs and washers

| M | | |
|---|---|---|
| 13x1,25 | 1 | 014950503 |
| 13x1,50 | 1 | 014950513 |
| 15x1,50 | 1 | 014950515 |
| 17x1,50 | 1 | 014950517 |
| 20x1,50 | 1 | 014950520 |
| 22x1,50 | 1 | 014950522 |

## 1496/C

oil plug wrench

| | | |
|---|---|---|
| ■ 8 x ■ 10 mm | 3 | 014960010 |

## 1497D

relay removal pliers, straight pattern

| | A min÷Max mm | | |
|---|---|---|---|
| 1497D | 15÷50 | 1 | 014970150 |

## 1497P

relay removal pliers, bent pattern, 60°

| | A min÷Max mm | | |
|---|---|---|---|
| 1497P | 15÷50 | 1 | 014970160 |

## 1497TE

pliers for disconnecting electrical connectors

**the extremely thin noses allow the clips to be released without damaging the connectors**

| | L mm | A Max | Ø mm | | |
|---|---|---|---|---|---|
| 1497TE | 215 | 63 | 4 | 1 | 014970180 |

## 1497/C23

assortment of 23 tools for releasing electrical connectors

| | | |
|---|---|---|
| 1497/C23 | 1 | 014970200 |

440x250x70 mm - 1,7 kg

## 1497/C94

assortment of 94 car testing connectors for use with main diagnostic tools

- 2 t-taps
- 2 potentiometers
- 2 warning lights
- 2 SRS connectors
- 2 alligator clips
- 2 acicular probes
- 2 prods
- 2 dual banana connectors
- 4 single banana connectors
- 24 flat male terminals 0.6÷6 mm
- 12 round male terminals 1.6÷3.9 mm
- 24 flat female terminals 0.6÷6 mm
- 12 round female terminals 1.6÷3.9 mm

1497/C94 — 1 — 014970300

430x390x100 mm - 3 kg

## 1497RC

t-taps, pair

- cable section: 1.5÷3.5 mm
- voltage: 0÷330V
- max. current: 5A

1497RC — 1 — 014970351

## 1497KB/S3

3 tool kit for removing Knorr and Bremse electrical connectors

- 1 tool for bayonet connectors
- 1 single head tool for 2-pole connectors
- 1 double head tool for 4- or 6- and 12-pole connectors

1497KB/S3 — 1 — 014970050

## 1497/S3

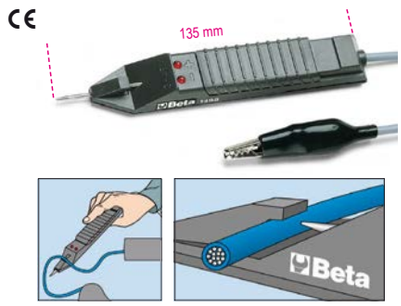
set of 3 cables for electrical signal detection

- 1 straight pc.
- 1 45° pc.
- 1 90° pc.

1497/S3 — 1 — 014970400

## 1498

voltage tester




3÷48V — 2 — 014980100

## 1498MN/12

multipurpose portable starter

- Motor vehicle starting with 12-volt battery (diesel and petrol engines up to 2,000 cc)
- Charging of tablets, mobile phones and electronic devices in general
- Multi-use LED torch

**Standard Accessories:**
- Lithium-cobalt battery
- Starting cables with insulated clamps and device protecting against polarity reversal and short circuits
- USB outlet for charging electronic devices
- Digital display and battery charge indicator
- USB cable with charge adapters
- Mains and car power supplier

**Technical Data:**
- Pickup current: 600A
- Battery type: LiCoO2
- Starting output: 12 volts

1498MN/12 — 1 — 014980000

## 1498MN/12-C

booster cable with clamps for item 1498MN/12

1498MN/12-C — 1 — 014980005

## 1498MN/12-R

mains power supplies for mini starter LT/12-R

1498MN/12-R — 1 — 014980003

## 1498MN/12-P

car socket power supply for mini starters LT/12-P

1498MN/12-P — 1 — 014980004

## 1498MN/12-U

USB cables with universal U adapters

1498MN/12-U — 1 — 014980009

## 1498LT/12

portable high-performance starter, ultralightweight

**Technical Data:**
- Operating voltage: 12 V
- Continuous amperage: 800 A
- Maximum pickup amperage: 2000 A
- Peak amperage: 4000 A
- Cable length: 500 mm
- Battery type: 4-cell LifePo4
- Memory saving function: YES
- Dimensions: 260 x 135 x 72 mm
- Net weight: 2.5 kg
- Complete with charging power supply 12 V 1.3A

**1498LT/12** — 1 014980012

## 1498LT/12-SF

wall fixing bracket for starter 1498LT/12

**1498LT/12-SF** — 1 014980013

## 1498LT/12-R7

mains power supply for starter 1498LT/12

**1498LT/12-R7** — 1 014980657

## 1498LT/12-24

portable high-performance starter, 12-24 V, ultralightweight,

suitable for use on cars, commercial vehicles and trucks

The microprocessor provides total protection against:
- polarity reversal
- short circuits
- incorrect voltage
- overloads
- underdischarge
- overcharge
- overtemperature

TECHNICAL DATA
- operating voltage: 12/24V
- continuous amperage: 2000/1000 A
- maximum starting amperage: 5000/2500 A
- peak amperage: 10000/5000 A
- clamp amperage: 1000 A
- cable length: 160 cm
- cable section: 25mm²
- automatic power supply: 4 Amp
- memory saving function
- dimensions: 350x240x140 mm
- weight: 5 kg

**1498LT/12-24** — 1 014980014

## 1498/12

Portable car starter, 12V

TECHNICAL DATA:
- Pickup current: 2200A
- Shoulder strap included
- Sealed lead acid battery, solid electrolyte (AGM) type

**1498/12** — 1 014980480

13 kg

## 1498/24

portable car and commercial vehicle starter, 12-24V

**Technical Data:**
- Pickup current: 4200A (12V) - 2100A (24V)
- Shoulder strap included
- Sealed lead acid battery, solid electrolyte (AGM) type
- Weight: 17 kg

**1498/24** — 1 014980490

## 1498B12/R02

12V spare battery for starters 12-24V

**1498B/12-R02** — 1 014980502

## 1498/12-24 R20

mains power supply for starters items 1498/12 and 1498/24

**1498/12-/24 R20** — 1 014980520

## 1498/2A

electronic motorcycle battery charger, 12V

allows charging of all
Pb Wet, Agm, Gel, Mf and Vrla battery types
and LiFePo4 lithium batteries

- Two different types of charge, for lithium and lead acid batteries respectively
- Automatic multi-stage charge cycle
- Reverse polarity and short-circuit protection
- IP65 degree of protection
- Complete with cable with clamps and cable with eyelets
- Power supply voltage: 220-240V

TECHNICAL DATA
- Charging current: 1A
- Charging capacity: 2Ah-40Ah
- Frequency: 50-60 Hz
- Battery voltage: 12V
- Dimensions: 180x80x40 mm
- Weight: 0.5 kg

**1498/2A** — 1 — 014980102

## 1498/4A

Electronic car/motorcycle battery charger, 6-12 V

- Protected against polarity reversal and short circuits
- Automatic 6 V or 12 V selection
- Automatic battery type selection
- Digital backlit display
- Pull-back fixing hook

TECHNICAL DATA
Power supply voltage: 220V-240V
Frequency: 50-60 Hz
Rated current (min-max): 1-4 Amp
Battery voltage: 6V/12V
Battery capacity: 4Ah-80Ah
Charging time: 12 hours
Degree of protection: IP65

**1498/4A** — 1 — 014980104

## 1498SA/2A-4A

cable with cigarette lighter plug
for items 1498/2A and 1498/4A

**1498SA/2A-4A** — 1 — 014980120

## 1498/8A

Electronic car / commercial vehicle battery charger, 12 V

**Features:**
- Slow and quick charge (2A-8A)
- Flat battery recovery function
- Power supply function 13.8V-5A
- Protected against polarity reversal and short circuits
- Manual battery type selection
- Digital backlit display
- Pull-back fixing hook

**Technical data:**
- Power supply voltage: 220V - 240V
- Frequency: 50-60 Hz
- Rated current (min-max): 2-8 Amp
- Battery voltage: 12V
- Battery capacity: 5Ah-160Ah
- Memory saving feature: 13,8V - 5A
- Degree of protection: IP65

**1498/8A** — 1 — 014980108

## 1498/4A-8A CO

eyelet cable for items 1498/4A and 8A

**1498/4A-8A-CO** — 1 — 014980114

## 1498/4A-8A CP

cable with clamps for items 1498/4A and 8A

**1498/4A-8A-CP** — 1 — 014980118

## 1498/2A-8A-PR

extension for item 1498/2A/4A/8A

**1498/2A-8A-PR** — 1 — 014980119

## 1498/16A

electronic multipurpose battery charger, 12-24V

- Backlit graphic display
- Max. charging current: 16A, continuous
- Charging and charge maintenance
- Protected against polarity reversal and short circuits
- 9 charging steps
- Floating system
- Show room function (13.8V - 12A)
- Supply function (14V - 12A)
- Memory saving function (13.8V - 12A)
- Battery recovery function
- Clamp holder
- Reclining hook fastening
- Supplied accessories: cable with clamp, cable with eyelets

**Technical data:**
- Power supply: 220-240V
- Power: 240W
- Charging current: 4-16A
- Battery types: Agm - Wet - Lithium (LiFePo4)
- Charging capacity: 5-360Ah
- Maintenance capacity: 5-550Ah
- Output voltage: 12-24V
- Minimum battery voltage: 0.8V
- Degree of protection: IP20

**1498/16A** — 1 — 014980126

## 1498/120A

electronic multipurpose battery charger, 12V

Allows batteries to be charged
and powers motor vehicles
while reprogramming and self-diagnosing

- maximum continuous charging current: 120A
- charging and maintenance with CPU microprocessor
- battery recovery function
- reprogramming and power supply for ECU
- protected against polarity reversal, short circuits, incorrect voltage and overload

TECHNICAL DATA
Power supply: 90-260V
Power: 1500W
Charging current: 10-120A
Battery type: Agm - Wet - Lithium (LifePo4)
Charging capacity: 10-1200Ah
Maintenance capacity: 5-3600Ah
Output voltage: 12 Volt
Cable length, with clamps: 2700 mm
Dimensions: 310 x 150 x 350 mm
Weight: 8.5 kg

**1498/120A** 1 014980142

## 1498/40A

multipurpose battery charger / starter, 12-24V wheeled

Since no internal battery is available, thestart function (max. 350A) does not replace that of a specific starter type1498LT/12 (2000A).

- 3 programmed charging cycles and 1 manual cycle
- electronic adjusting potentiometer
- specific WET-SPIRAL/GEL-AGM charging cycles
- electronic control and protection system
- 10-stage charging process
- battery desulfurization and recovery function
- supply function
- dual voltage, 12-24V
- also suitable for Start&Stop batteries
- professional rubber-insulated brass clamps

TECHNICAL DATA
Power supply: 230V
Output voltage: 12-24V
Charging current: 1-40A
Starting current: 350A max cc
Charging capacity: 4-450Ah

**1498/40A** 1 014980140

330x250x792

## 1498SM

memory saver, 12 V

prevents data stored by computer on board cars
from getting lost during maintenance jobs
or battery replacement.

Technical specifications:
- self-supplied
- internal battery Pb 5 Ah
- 12 volts
- professional connection with OBD socket

**1498SM** 1 014980020

## 1498SM-C

OBD II car memory saver connectors, 12V, for item 1498SM/C

**1498SM-C** 1 014980021

## 1498SM-CP

car memory saver connectors, 12V clamp, for item 1498SM/CP

**1498SM-CP** 1 014980022

## 1498SM-A

memory saver power supplies for item 1498SM/A

**1498SM-A** 1 014980023

## 1498TB/12-24

digital battery tester, 12V,
and starting/charging system analyzer, 12-24V

- allows the following to be tested: battery, alternator (smart and normal) and starter, diode ripple and chassis test
- fitted with software for printing test from PC
- backlit display
- compact, shockproof frame
- 10 language software
- complete with input for connecting a removable mini printer (optional accessory, Beta 1498ST/TB)

**Technical Data:**
- Applications: 12V battery test - Alternator charge test, 12-24V - Starter test
- Operating range: 100-2000 CCA
- Reference standards: CCA,SAE,DIN,EN,IEC,JIS
- Supported batteries: PB, WET, GEL, AGM, AGM FLAT, EFB
- Voltmeter: 9V-36V
- Cable length: 1600 mm
- Languages: Italian, English, French, German, Spanish, Polish, Romanian, Dutch, Swedish and Finnish
- Accessories included: USB cable and software

**1498TB/12-24** 1 014980401

## 1498ST/TB

mini thermal printer
for tester item 1498TB/12

- Mini printer can be directly connected to tester
- Allows test results to be printed

| | | |
|---|---|---|
| **1498ST/TB** | 1 | 014980410 |

## 1498ST/TB ROT

paper refill
for printer 1498ST/TB

| | | |
|---|---|---|
| **1498ST/TB ROT** | 2 | 014980411 |

## 1498PC

voltage stabilizer, 12-24 V

**Protects control units**
**in welding and starting processes**

| | | |
|---|---|---|
| **1498PC** | 1 | 014980801 |

## 1498TC

digital glow plug tester

Quick, accurate glow plug testing
- Suitable for all types of glow plugs, 4.4-5-7-8.5-10-11 Volts
- Digital backlit display
- Suitable for steel and ceramic glow plugs
- Short circuit and polarity reversal protection
- Turns off automatically when not in use
- With buzzer
- With SMD LED torch
- Compact, shockproof frame

- Measurement range: 0.00÷25.0Ω
- Tolerance: ± 2%
- Resolution: 0.01
- Led Display: 1.8"
- Operating temperature: 0°C÷50°C
- Power supply: 1 9V battery (not included)

| | | |
|---|---|---|
| **1498TC** | 1 | 014980450 |

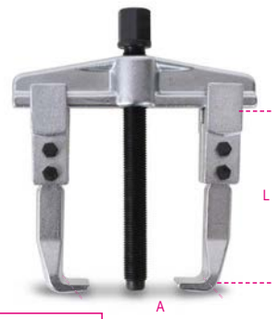
## 1499

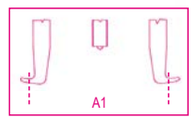
sonoscope probe

| | | |
|---|---|---|
| **1499** | 1 | 014990001 |

## 1500/...

two-leg universal pullers




| | L mm | | |
|---|---|---|---|
| **1500/1** | 100 | 1 | 015000301 |
| **1500/2** | 100 | 1 | 015000302 |
| **1500/3** | 150 | 1 | 015000303 |
| **1500/4** | 150 | 1 | 015000304 |
| **1500/5** | 205 | 1 | 015000305 |
| **1500/6** | 205 | 1 | 015000306 |
| **1500/7** | 205 | 1 | 015000307 |
| **1500/8** | 230 | 1 | 015000308 |

| | A min÷Max mm | A1 min÷Max mm |
|---|---|---|
| **1500/1** | 25÷80 | 70÷130 |
| **1500/2** | 25÷130 | 80÷180 |
| **1500/3** | 50÷160 | 105÷220 |
| **1500/4** | 60÷200 | 120÷270 |
| **1500/5** | 80÷250 | 160÷330 |
| **1500/6** | 80÷350 | 160÷420 |
| **1500/7** | 110÷520 | 195÷600 |
| **1500/8** | 170÷640 | 260÷715 |

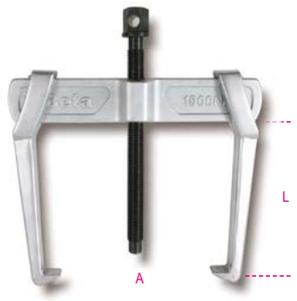
| | | |
|---|---|---|
| **1500/SP5**<br>1500/1-1500/2-1500/3<br>1500/4-1500/5 | 1 | 015000325 |
| **1500/SPV** | 1 | 015000001 |

## 1500G/...

legs, pair, standard series,
for items 1500 and 1580/8I

| | mm | 1500 | | |
|---|---|---|---|---|
| **1500G/1** | 35 | /1-2 | 1 | 015000311 |
| **1500G/3** | 35 | /3-4 | 1 | 015000313 |
| **1500G/5** | 35 | /5-6-7 | 1 | 015000315 |
| **1500G/8** | 50 | /8<br>1580/8I | 1 | 015000317 |

## 1500N/...
universal pullers with 2 sliding legs



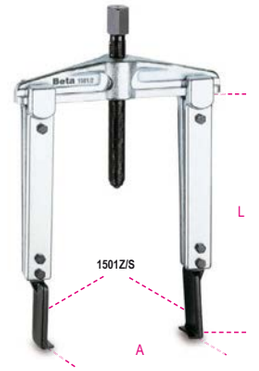

| | A min÷Max mm | L mm | | |
|---|---|---|---|---|
| **1500N/0** | 18÷65 | 70 | 1 | 015000600 |
| **1500N/1** | 23÷70 | 100 | 1 | 015000601 |
| **1500N/2** | 23÷100 | 100 | 1 | 015000602 |
| **1500N/3** | 35÷140 | 150 | 1 | 015000603 |
| **1500N/4** | 35÷190 | 150 | 1 | 015000604 |
| **1500N/5** | 43÷250 | 205 | 1 | 015000605 |
| **1500N/6** | 43÷320 | 205 | 1 | 015000606 |

| | | | |
|---|---|---|---|
| **1500N/SP6** | 1 | 015000626 |
| 1500N/0-1500N/1-1500N/2-1500N/3 1500N/4-1500N/5 | | |
| **1500N/SPV** | 1 | 015000006 |

## 1500N/G...
loose legs for pullers 1500N

| | mm | 1500N | | |
|---|---|---|---|---|
| **1500N/G0** | 10 | /0 | 2 | 015000650 |
| **1500N/G1-2** | 12 | /1-2 | 2 | 015000651 |
| **1500N/G3-4** | 17 | /3-4 | 2 | 015000653 |
| **1500N/G5-6** | 23 | /5-6 | 2 | 015000655 |

## 1501/1 - 2 - 3
thin leg pullers




| | L mm | | |
|---|---|---|---|
| **1501/1** | 100 | 1 | 015010101 |
| **1501/2** | 200 | 1 | 015010102 |
| **1501/3** | 250 | 1 | 015010103 |

| | A min÷Max mm |
|---|---|
| **1501/1** | 25÷130 |
| **1501/2** | 25÷130 |
| **1501/3** | 25÷130 |

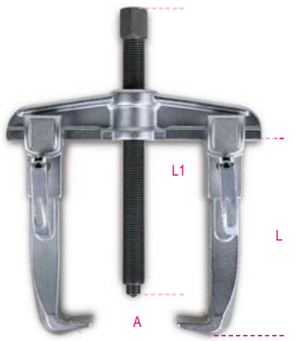
## 1501G/1 - 2 - 3
legs for item 1501

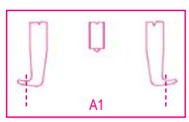
| | L mm | | |
|---|---|---|---|
| **1501G/1** | 100 | 1 | 015010111 |
| **1501G/2** | 200 | 1 | 015010112 |
| **1501G/3** | 250 | 1 | 015010113 |

## 1501Z/S - P - R
leg ends for item 1501G

| | mm | D mm | | |
|---|---|---|---|---|
| **1501Z/S** | 2,0 | 27 | 2 | 015010211 |
| **1501Z/P** | 3,6 | 27 | 2 | 015010212 |
| **1501Z/R** | 3,6 | 14 | 2 | 015010213 |

## 1502/...
two-leg universal pullers
with quick leg adjustment and closure



| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1502/0** | 100 | 166 | 1 | 015020000 |
| **1502/1** | 100 | 166 | 1 | 015020001 |
| **1502/2** | 150 | 247 | 1 | 015020002 |
| **1502/3** | 150 | 247 | 1 | 015020003 |
| **1502/4** | 200 | 321 | 1 | 015020004 |

| | A min÷Max mm | A1 min÷Max mm |
|---|---|---|
| **1502/0** | 40÷90 | 80÷130 |
| **1502/1** | 50÷130 | 90÷170 |
| **1502/2** | 65÷150 | 115÷210 |
| **1502/3** | 65÷190 | 125÷260 |
| **1502/4** | 70÷235 | 170÷335 |

## 1505V
windshield and rear window wiper arm remover

**Removable perforated brass tip for arm removal, with built-in washer jet**

| | A Max mm | L mm | | |
|---|---|---|---|---|
| **1505V** | 43 | 37 | 1 | 015050001 |

## 1505/C5
windshield wiper removal kit

**1 two-leg puller, Ø 25÷40 mm**
**4 half-moon tools, Ø 25 mm, Ø 30 mm, Ø 35 mm, Ø 41 mm**

| | mm | | | |
|---|---|---|---|---|
| **12** | | | 1 | 015050300 |

320x150x60 mm - 1,2 kg

## 1506
two-leg self-locking puller

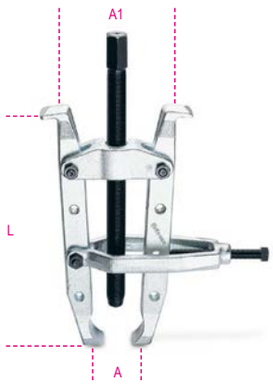
| | A min÷Max mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **1506** | 10÷50 | 80 | 40 | 1 | 015060001 |

## 1508/1 - 1508/2
two-leg pullers, light series

| | L mm | | |
|---|---|---|---|
| **1508/1** | 105 | 1 | 015080001 |
| **1508/2** | 130 | 1 | 015080002 |

| | A min÷Max mm | L1 mm |
|---|---|---|
| **1508/1** | 6÷100 | 85 |
| **1508/2** | 10÷140 | 120 |

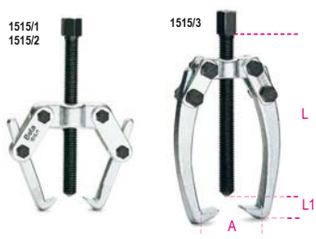
## 1511/1 - 2 - 3
external pullers
with two reversible legs




| | L mm | | |
|---|---|---|---|
| **1511/1** | 235 | 1 | 015110001 |
| **1511/2** | 330 | 1 | 015110002 |
| **1511/3** | 405 | 1 | 015110003 |

| | A min÷Max mm | A1 min÷Max mm |
|---|---|---|
| **1511/1** | 20÷100 | 65÷95 |
| **1511/2** | 40÷150 | 103÷190 |
| **1511/3** | 40÷150 | 103÷175 |

## 1515/1 - 2 - 3
pullers with two floating legs




| | L mm | | |
|---|---|---|---|
| **1515/1** | 85 | 1 | 015150101 |
| **1515/2** | 85 | 1 | 015150102 |
| **1515/3** | 105 | 1 | 015150103 |

| | A Max mm | L1 mm |
|---|---|---|
| **1515/1** | 60 | 105 |
| **1515/2** | 70 | 105 |
| **1515/3** | 90 | 105 |

## 1516/1 - 2 - 3
pullers with three floating legs

| | L mm | | |
|---|---|---|---|
| **1516/1** | 85 | 1 | 015160001 |
| **1516/2** | 85 | 1 | 015160002 |
| **1516/3** | 105 | 1 | 015160003 |

| | A Max mm | L1 mm |
|---|---|---|
| **1516/1** | 60 | 85 |
| **1516/2** | 70 | 85 |
| **1516/3** | 90 | 105 |

## 1517
three-leg self-locking pullers

- **For major pulling loads.**
- **Self-locking effect.**

| | L mm | L1 mm | ⬡ mm | | |
|---|---|---|---|---|---|
| **1517/90** | 182 | 60 | 22 | 1 | 015170000 |
| **1517/150** | 242 | 115 | 22 | 1 | 015170010 |
| **1517/200** | 307 | 150 | 22 | 1 | 015170020 |
| **1517/260** | 395 | 180 | 30 | 1 | 015170030 |

| | ⬢ mm | A mm | kg | N |
|---|---|---|---|---|
| **1517/90** | 19 | 18÷90 | 6000 | 59000 |
| **1517/150** | 19 | 25÷150 | 6000 | 59000 |
| **1517/200** | 19 | 40÷200 | 6000 | 59000 |
| **1517/260** | 27 | 50÷260 | 8000 | 78500 |

# 1517C
# TWO/THREE-LEG SELF-LOCKING PULLERS FOR EXTERNAL USE

Beta's puller 1517C relies on a leg self-locking mechanism triggered by the spring on the crosspiece. This feature makes it easy to position and lock the puller on the part to remove. After the puller has been fixed in place, the legs can be locked by means of the ring nut.

The peculiar crosspiece has 4 seats which allow the 1517C puller to be used with both 2 legs – for easier, quicker jobs – and 3 legs – for increased firmness.

The shear pin on the screw head breaks when the maximum permissible torque is exceeded, thereby protecting the puller from overloads.

## 1517C/...

combination two/three-leg self-locking pullers

- for 2- or 3-leg use
- self-locking effect

| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1517/C0** | 145 | 250 | 1 | 015170500 |
| **1517/C1** | 200 | 300 | 1 | 015170501 |
| **1517/C2** | 270 | 300 | 1 | 015170502 |

| | A mm | ⬣ mm |
|---|---|---|
| **1517/C0** | 12÷140 | 18 |
| **1517/C1** | 20÷180 | 18 |
| **1517/C2** | 30÷280 | 18 |

## 1518/...

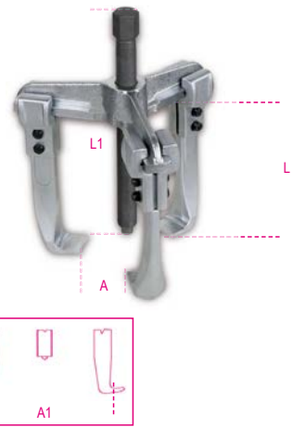
three-leg pullers

| | L mm | | |
|---|---|---|---|
| **1518/1** | 105 | 1 | 015180001 |
| **1518/2** | 135 | 1 | 015180002 |
| **1518/3** | 235 | 1 | 015180003 |
| **1518/4** | 270 | 1 | 015180004 |
| **1518/5** | 270 | 1 | 015180005 |
| **1518/6** | 270 | 1 | 015180006 |

| | A min÷Max mm | L1 mm |
|---|---|---|
| **1518/1** | 24÷100 | 105 |
| **1518/2** | 32÷160 | 150 |
| **1518/3** | 40÷220 | 220 |
| **1518/4** | 80÷250 | 240 |
| **1518/5** | 80÷300 | 350 |
| **1518/6** | 80÷350 | 400 |

## 1518U/..

three-leg universal pullers

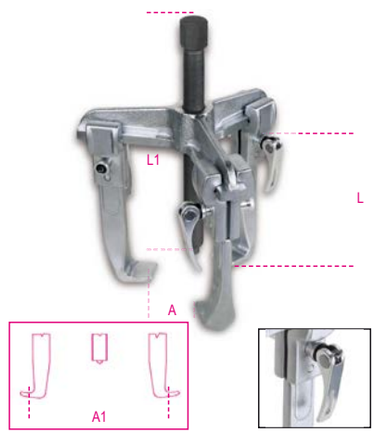



| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1518U/0** | 100 | 166 | 1 | 015180500 |
| **1518U/1** | 100 | 166 | 1 | 015180501 |
| **1518U/2** | 150 | 247 | 1 | 015180502 |
| **1518U/3** | 150 | 247 | 1 | 015180503 |
| **1518U/4** | 200 | 321 | 1 | 015180504 |

| | A min÷Max mm | A1 min÷Max mm | ⬣ mm |
|---|---|---|---|
| **1518U/0** | 40÷90 | 80÷130 | 17 |
| **1518U/1** | 50÷130 | 90÷170 | 17 |
| **1518U/2** | 65÷150 | 115÷210 | 22 |
| **1518U/3** | 65÷190 | 125÷260 | 22 |
| **1518U/4** | 70÷235 | 170÷335 | 27 |

## 1519/...

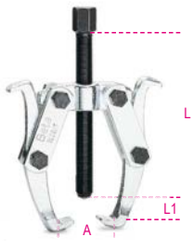
three-leg universal pullers
with quick leg adjustment and closure




| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1519/0** | 100 | 166 | 1 | 015190000 |
| **1519/1** | 100 | 166 | 1 | 015190001 |
| **1519/2** | 150 | 247 | 1 | 015190002 |
| **1519/3** | 150 | 247 | 1 | 015190003 |

| | A min÷Max mm | A1 min÷Max mm | ⬣ mm |
|---|---|---|---|
| **1519/0** | 40÷90 | 80÷130 | 17 |
| **1519/1** | 50÷130 | 90÷170 | 17 |
| **1519/2** | 65÷150 | 115÷210 | 22 |
| **1519/3** | 65÷190 | 125÷260 | 22 |

## 1520/1 - 1520/2
pullers with two reversible legs




| | L mm | | |
|---|---|---|---|
| **1520/1** | 135 | 1 | 015200101 |
| **1520/2** | 235 | 1 | 015200102 |

| | A Max mm | L1 mm |
|---|---|---|
| **1520/1** | 110 | 85 |
| **1520/2** | 160 | 140 |

## 1521/1 - 1521/2
pullers with three reversible legs

| | L mm | | |
|---|---|---|---|
| **1521/1** | 135 | 1 | 015210101 |
| **1521/2** | 235 | 1 | 015210102 |

| | A Max mm | L1 mm |
|---|---|---|
| **1521/1** | 110 | 90 |
| **1521/2** | 160 | 140 |

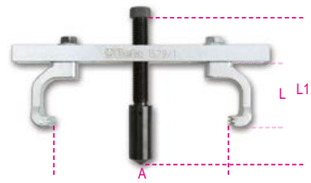
## 1528
self-locking puller
for brake discs

⬡ 19 mm

| A min÷Max mm | | |
|---|---|---|
| **170÷ 380** | 1 | 015280000 |

480x240x60 mm - 4,8 kg

## 1529
multi-step cone pulley puller



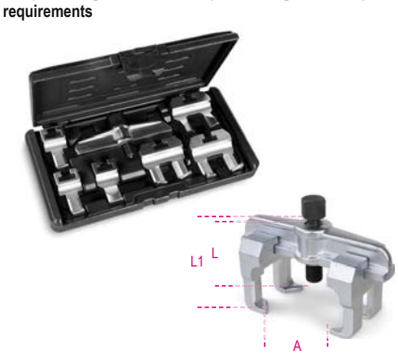
| A min÷Max mm | L min÷Max mm | L1 min÷Max mm | | |
|---|---|---|---|---|
| **24÷240** | 60÷95 | 90÷135 | 1 | 015290000 |

260x210x60 mm - 2,6 kg

## 1529/C7
pulley puller

**Kit contents:**
- **2 legs with two 4.7-mm-thick feet**
- **2 legs with one 4.3-mm-thick foot**
- **1 leg with two 2.3-mm-thick feet**
- **1 leg with one 2.3-mm-thick foot**

**The pair of legs can be made up according to one's operating requirements**




| | L mm | L1 mm | A min÷Max mm | | |
|---|---|---|---|---|---|
| **1529/C7** | 50 | 72,5 | 53÷114 | 1 | 015290100 |

285x155x50 mm - 2 kg

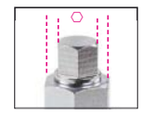
## 1529PI
universal injection pump pulley puller

- **Allows fuel injection pump pulley to be quickly and accurately removed.**
- **Particularly suitable for Fiat, Ford, Volkswagen, Citroën and Peugeot vehicles.**

**Includes 3 pairs of screws for tightening puller to pulley:**
**M6 x 1.0 x 49 mm**
**M7 x 1.0 x 75 mm**
**M8 x 1.25 x 76 mm**

| | | |
|---|---|---|
| **1529PI** | 1 | 015290051 |

## 1529/PG
high-pressure diesel oil pump puller,
for VAG group vehicles



| ⬡ mm | | |
|---|---|---|
| **15-24** | 1 | 015290010 |

## 1530/C5
wheel hub and bearing pulling kit,
3, 4, 5 holes

**Kit contents:**
**1 universal flange (96÷138 mm)**
**1 hydraulic screw (12 t)**
**1 hammer face (2.8 kg), required**
**for hubs without central fixing bolts**

| | | |
|---|---|---|
| **1530/C5** | 1 | 015300300 |

760x320x120 mm - 11,5 kg

## 1530/C16
hammer face kit with spacing studs,
for pulling wheel hubs and bearings
3, 4, 5 holes

Ideal for hubs with projecting centre rings

**Kit contents:**
- **1 universal flange (90÷130 mm)**
- **1 hammer face (5 kg)**
- **4 M12 coupling studs**
- **4 M14 coupling studs**

| | | |
|---|---|---|
| **1530/C16** | 1 | 015300316 |

760x310x100 mm - 13,5 kg

## 1531/C7

removal kit for hub wheel bearing inner rings

**included sizes:**
- **1 pliers Ø 40÷45 mm**
- **1 pliers Ø 45÷51 mm**
- **1 pliers Ø 50÷55 mm**
- **1 pliers Ø 55÷61 mm**

| | | |
|---|---|---|
| **1531/C7** | 1 | 015310107 |

390x315x96 mm - 4,3 kg

## 1532

packing and oil seal removal tool

| | | |
|---|---|---|
| **1532** | 2 | 015320001 |

## 1533/...

pullers for separators 1534

| | L mm | | |
|---|---|---|---|
| **1533/2** | 150 | 1 | 015330002 |
| **1533/3** | 210 | 1 | 015330003 |
| **1533/4** | 315 | 1 | 015330004 |
| **1533/5A** | 305 | 1 | 015330006 |

| | A min÷Max mm | L1 mm |
|---|---|---|
| **1533/2** | 45÷140 | 110 |
| **1533/3** | 55÷205 | 175 |
| **1533/4** | 90÷260 | 175 |
| **1533/5A** | 100÷360 | 235 |

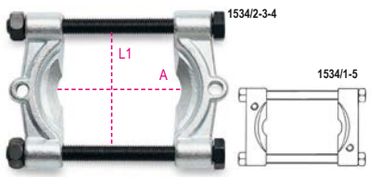
## 1533PR/1 - 2 - 3

extensions for pullers 1533

| | | |
|---|---|---|
| **1533PR/1** 1533/2 | 1 | 015330011 |
| **1533PR/2** 1533/3 | 1 | 015330012 |
| **1533PR/3** 1533/4-5 | 1 | 015330013 |
| **1533PR/5A** 1533/5A | 1 | 015330016 |

## 1534/...

separators




| | | | |
|---|---|---|---|
| **1534/1** | 1533/2 | 1 | 015340001 |
| **1534/2** | 1533/2 | 1 | 015340002 |
| **1534/3** | 1533/3 | 1 | 015340003 |
| **1534/4** | 1533/4 | 1 | 015340004 |
| **1534/5A** | 1533/5A | 1 | 015340006 |

| | A min÷Max mm | L1 mm |
|---|---|---|
| **1534/1** | 5÷60 | 63 |
| **1534/2** | 12÷75 | 75 |
| **1534/3** | 22÷115 | 118 |
| **1534/4** | 25÷155 | 154 |
| **1534/5A** | 30÷220 | 180 |

## 1535/C...

puller kits

| | | |
|---|---|---|
| **1535/C1** | 1 | 015350001 |

**1533/2**
**1533PR/1**
**1534/1**

260x180x40 mm - 2,5 kg

| | | |
|---|---|---|
| **1535/C2** | 1 | 015350002 |

**1533/2**
**1533PR/1**
**1534/2**

260x180x40 mm - 2,8 kg

| | | |
|---|---|---|
| **1535/C3** | 1 | 015350003 |

**1533/3**
**1533PR/2**
**1534/3**

380x280x55 mm - 8,0 kg

| | | |
|---|---|---|
| **1535/C4** | 1 | 015350004 |

**1533/4**
**1533PR/3**
**1534/4**

420x380x65 mm - 14,8 kg

| | | |
|---|---|---|
| **1535/C5A** | 1 | 015350006 |

**1533/5**
**1533PR/3**
**1534/5**

530x510x85 mm - 27,2 kg

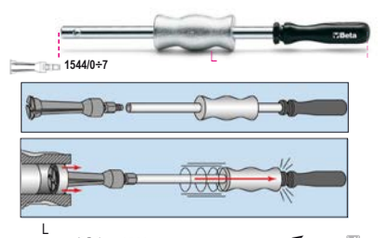
## 1539

sheet sliding hammer

| | | |
|---|---|---|
| **1539** | 1 | 015390001 |

## 1540

sliding hammer




| | L mm | | 1544 | | |
|---|---|---|---|---|---|
| **1540** | 390 | M10 | 0÷7 | 1 | 015400001 |

## 1542/1 - 1542/2

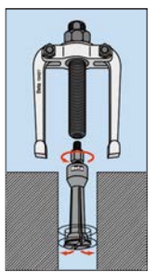
two-leg pullers for extractors

| | A min÷Max mm | 1544 | | |
|---|---|---|---|---|
| **1542/1** | 35÷75 | 0÷7 | 1 | 015420001 |
| **1542/2** | 60÷130 | 9C-10C | 1 | 015420002 |

| | L mm | L1 mm |
|---|---|---|
| **1542/1** | 140 | 140 |
| **1542/2** | 175 | 160 |

## 1544/...

internal extractors



| | C mm | | | |
|---|---|---|---|---|
| **1544/0** A= 5÷7 | 0,25 | M10 | 1 | 015440100 |
| **1544/A** A= 7÷9 | 0,80 | M10 | 1 | 015440105 |
| **1544/1** A= 9÷12 | 0,80 | M10 | 1 | 015440110 |
| **1544/2** A= 13÷17 | 1,15 | M10 | 1 | 015440120 |
| **1544/2B** A= 14÷19 | 1,00 | M10 | 1 | 015440121 |
| **1544/3** A= 16÷21 | 1,70 | M10 | 1 | 015440130 |
| **1544/4** A= 20÷25 | 1,65 | M10 | 1 | 015440140 |
| **1544/5** A= 25÷30 | 2,00 | M10 | 1 | 015440150 |
| **1544/6** A= 30÷37 | 3,00 | M10 | 1 | 015440160 |
| **1544/7** A= 38÷45 | 3,80 | M10 | 1 | 015440170 |
| **1544/9C** A= 40÷75 | 2,60 | G 3/8" | 1 | 015440189 |
| **1544/10C** A= 70÷115 | 7,30 | G 3/8" | 1 | 015440199 |

## 1545/C5M

puller 1542/1 with 5 extractors 1544

| | | |
|---|---|---|
| **1545/C5M** | 1 | 015450011 |

| | |
|---|---|
| **1542/1** | ⬢ 24 mm |
| **1544/1** | 9÷12 mm |
| **1544/2** | 13÷17 mm |
| **1544/3** | 16÷21 mm |
| **1544/4** | 20÷25 mm |
| **1544/5** | 25÷30 mm |

265x180x45 mm - 2,4 kg

## 1547/C6

dummy ball bearing extractors

| | | |
|---|---|---|
| **1547/C6** | 1 | 015470006 |

420x185x60 mm - 3 kg

## 1547KP

set of 3 pairs of dummy ball terminals

| | Ø mm | | |
|---|---|---|---|
| **1547KP/1** | 9-11-12,5 | 1 | 015470106 |
| **1547KP/2** | 5-6-8 | 1 | 015470206 |

## 1547P

hexagonal extensions

| | L mm | | | |
|---|---|---|---|---|
| **1547P/1** | 205 | 1547/1 | 1 | 015470101 |
| **1547P/2** | 102 | 1547/2 | 1 | 015470201 |

## 1547PC/2

round extensions, short series

| | L mm | | | |
|---|---|---|---|---|
| **1547PC/2** | 42 | 1547/2 | 1 | 015470202 |

## 1547PL/2

round extensions, long series

| | L mm | | | |
|---|---|---|---|---|
| **1547PL/2** | 106 | 1547/2 | 1 | 015470203 |

## 1549

kit for removing and installing double effect shock absorbers with gas return

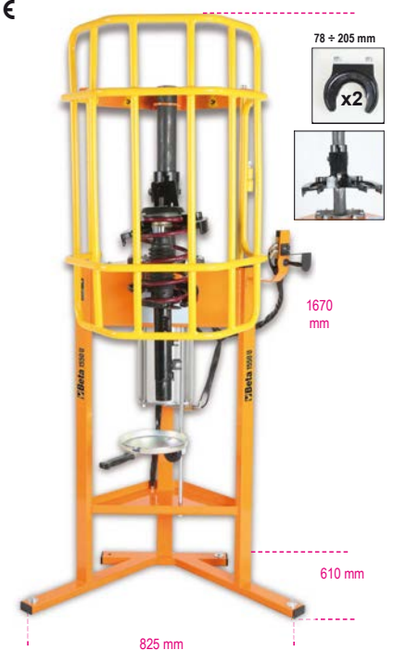
**allows stem to be kept straightened while springs are being installed**

| | | |
|---|---|---|
| **1549** | 1 | 015490001 |

310x270x110 mm - 3 kg

## 1550U

pneumatic shock absorber removal tool for cars, SUVs and commercial vehicles




**Features**
- Maximum thrust: 2 tons (10 bars) - 1.6 tons (8 bars) - 1.2 tons (6 bars)
- Spring compression stroke: 335 mm
- Upper universal hold system that allows all left/right-hand spring diameters to be compressed with one upper adaptable plate
- Active safety system on spring: safety hook and 3 locking valves allow spring to be properly positioned/seated, maintaining such position throughout compression
If spring is not positioned properly, system will stop machine.
- Protective "Full Body" Grille: provides maximum safety and working area coverage
- Control Lever operation: increased accuracy and sensitivity during compression stage
- Working position: working height on rear fork raised up to 875 mm
- Supplied with 2 lower forks for diameters 78-205 mm

| | | |
|---|---|---|
| **1550U** | 1 | 015500010 |

## 1550U/CGS-R

lowered upper jaws, pair, for item 1550U

| | | |
|---|---|---|
| **1550U CGS-R** | 1 | 015500035 |

## 1550U/MRC-ABE

special forks for item 1550U, specially designed for Mercedes A-B-E Class cars

| | | |
|---|---|---|
| **1550U/MRC-ABE** | 1 | 015500031 |

## 1550U/MRC-C

special forks for item 1550U, specially designed for Mercedes C class cars

| | | |
|---|---|---|
| **1550U/MRC-C** | 1 | 015500032 |

## 1550U/S...

lower fork for item 1550U

| | Ø mm | | |
|---|---|---|---|
| **1550U/S 130** | 78÷130 mm | 1 | 015500014 |
| **1550U/S 182** | 105÷182 mm | 1 | 015500015 |
| **1550U/S 205** | 125÷205 mm | 1 | 015500016 |

## 1550U/SS187

left-hand fork for item 1550U

**Particularly suitable for left-hand springs, e.g. Nissan Qashqai and Renault Koleos**

| | | |
|---|---|---|
| **1550U/SS 187** | 1 | 015500018 |

## 1550U/M

vice for shock absorber removal tool item 1550U

**Allows shock absorber stem to be locked**

| | | |
|---|---|---|
| **1550U/M** | 1 | 015500021 |

## 1551/C20

kit for removing shock absorber heads

**Kit contents:**
- 7 hexagon sockets, sizes: 16 - 17 - 18 - 19 - 21 - 22 - 24
- 1 socket extension, length: 120 mm
- 3 slotted female bits, sizes: 8x5 - 8x6 - 11x8
- 1 female hexagon bit, size: 10 mm
- 1 male XZN(R) bit, size: M10
- 1 male Torx(R) bit, size: T50
- 4 male hexagon bits, sizes: 5- 6 - 7 - 8
- 1 bit holder extension, length: 95 mm
- 1 bit holder extension, length: 190 mm

| | | |
|---|---|---|
| **1551/C20** | 1 | 015510020 |

320x245x71 mm - 2,6 kg

## 1552/C9

kit for spreading shock absorber, wishbone and steering wheel joints apart

**working with single or double retractor head also makes it possible to work on double joints, e.g. from VAG group**

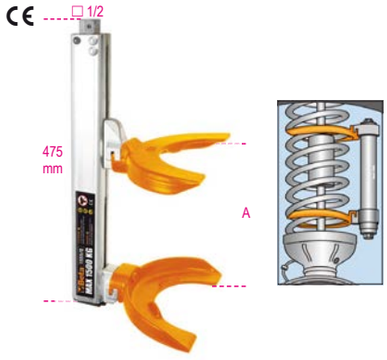
| | | |
|---|---|---|
| **1552/C9** | 1 | 015520020 |

195x140x40 mm - 1,0 kg

## 1555/Q

compressor for MacPherson and equivalent shock absorber springs

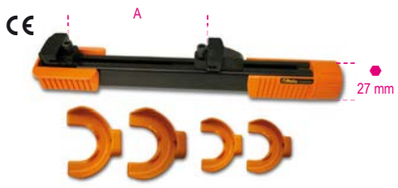
**Maximum thrust: 1500 kg**




| A min÷Max mm | Ø min÷Max mm | | |
|---|---|---|---|
| 65÷354 | 80÷195 | 1 | 015550006 |

## 1555/QS

compressor for MacPherson and equivalent shock absorber springs




| A min÷Max mm | Ø min÷Max mm | | |
|---|---|---|---|
| 70÷300 | 80÷200 | 1 | 015550005 |

## 1555S/BMW-RNT

fork for BMW E39, E46 and Renault Mégane II shock absorbers, for items 1555Q and 1555/QS

| | | |
|---|---|---|
| 1555S/BMW-RNT | 1 | 015550303 |

## 1555C

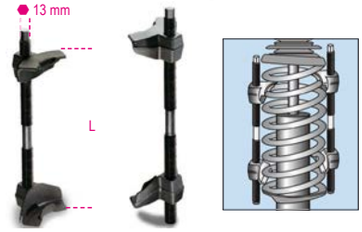
telescopic compressor for shock absorber springs with 4 forks and torsion bar

12"

| A min÷Max mm | Ø min÷Max mm | N | t | | |
|---|---|---|---|---|---|
| 80÷225 | 90÷160 | 25000 | 8,5 | 1 | 015550202 |

## 1556/1A

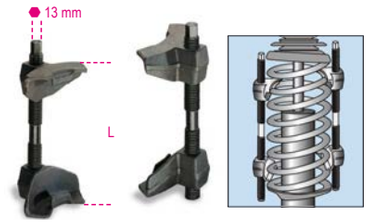
compressor for shock absorber springs




| min L Max mm | | |
|---|---|---|
| 65÷320 | 1 | 015560101 |

## 1556/2A

compressor for shock absorber springs




| min L Max mm | | |
|---|---|---|
| 65÷200 | 1 | 015560102 |

## 1557

impact sockets for truck leaf springs

34"

| L mm | L1 mm | | |
|---|---|---|---|
| 37 | 28 | 1 | 015570137 |
| 46 | 34 | 1 | 015570146 |
| 56 | 34 | 1 | 015570156 |

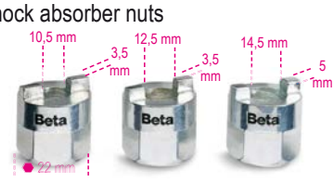
## 1557V

impact sockets for Volvo leaf springs

| mm | | |
|---|---|---|
| 27 | 1 | 015570299 |

## 1557/S3

set of 3 sockets for shock absorber nuts




| | | |
|---|---|---|
| 1557/S3 | 1 | 015570010 |

## 1558/C4

internal and external snap ring tool, screw-operated

**square drive allows a high force to be applied in both operating conditions**
**Supplied tips:**
**Ø 2.5-3-3.5 mm**

38"

| | Ø mm | Ø mm | | |
|---|---|---|---|---|
| 1558/C4 | 5,5 ÷ 77 | 5,5 ÷ 77 | 1 | 015580100 |

330x220x50 mm - 900 g

## 1558P

snap ring tips, pair, for item 1558

| Ø mm | | |
|---|---|---|
| 2,5 | 1 | 015580125 |
| 3,0 | 1 | 015580130 |
| 3,5 | 1 | 015580135 |

## 1558/C13

internal and external snap ring tool, screw-operated

**square drive allows a high force to be applied in both operating conditions**

**supplied tips:**
- **straight: Ø 2.5 - 3 - 3.5 - 3.8 mm**
- **45°: Ø 2,5 - 3 - 3,5 - 3.8 mm**
- **90°: Ø 2.5 - 3 - 3.5 - 3.8 mm**

38"

| | Ø mm | Ø mm | | |
|---|---|---|---|---|
| 1558/C13 | 5,5÷77 | 5,5÷77 | 1 | 015580200 |

330x220x45 mm - 1,6 kg

## 1559
ball joint puller, light series

| | A Max mm | Ø mm | | |
|---|---|---|---|---|
| **1559/22** | 50 | 18÷22 | 1 | 015590001 |
| **1559/36** | 90 | 36 | 1 | 015590036 |
| **1559/45** | 115 | 45 | 1 | 015590045 |

## 1559V/8T
hydraulic screw for ball joint pullers 1559/36 and 1559/45

| Nm | t | | |
|---|---|---|---|
| **80000** | 8 | 1 | 015590145 |

## 1560/2
ball joint pullers, professional type

| | A min÷Max mm | Ø mm | | |
|---|---|---|---|---|
| **1560/2** | 60÷85 | 20 | 1 | 015600002 |

## 1560A
ball joint puller

| | | |
|---|---|---|
| **1560A** | 1 | 015600601 |

## 1561/...
ball joint pullers

| | L mm | A mm | Ø mm | | |
|---|---|---|---|---|---|
| **1561/1** | 39 | 36,6 | 18 | 1 | 015610001 |
| **1561/2** | 47 | 45,7 | 25 | 1 | 015610002 |
| **1561/3** | 63 | 62 | 30 | 1 | 015610003 |
| **1561/4** | 75 | 63 | 40 | 1 | 015610004 |

## 1562D
ball joint puller

**Supplied with 2 screws for pulling suspension and steering joints**

| A max mm | Ø mm | ● mm | L mm | | |
|---|---|---|---|---|---|
| **50** | 39 | 26 | 155 | 1 | 015620239 |

## 1563/C4
set of 4 ball joint removal sockets

**for use with air hammer**
**set contents:**
- **1 socket M12x1.25 mm**
- **1 socket M12x1.5 mm**
- **1 socket M14x1.5 mm**
- **1 socket M16x1.5 mm**

| | | |
|---|---|---|
| **1563/C4** | 1 | 015630010 |

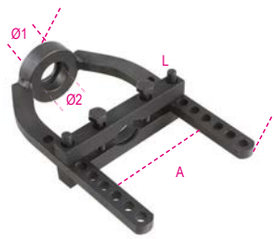
## 1565/1 - 2 - 3
fork separators for ball joints

| | Ø mm | L1 mm | | |
|---|---|---|---|---|
| **1565/1** | 18 | 65 | 1 | 015650001 |
| **1565/2** | 23 | 65 | 1 | 015650002 |
| **1565/3** | 30 | 88 | 1 | 015650003 |

## 1566N
tool for removing/installing steering arms

| Ø x L mm | ⬡ mm | □ | | |
|---|---|---|---|---|
| **28÷35 x 400** | 27 | 12" | 1 | 015660005 |
| **35÷45 x 190** | 27 | - | 1 | 015660008 |
| **35÷45 x 400** | 27 | 12" | 1 | 015660010 |

## 1566/G01
homokinetic joint puller




| L mm | A mm | Ø1 mm | Ø2 mm | | |
|---|---|---|---|---|---|
| **250** | 115 | 29 | 36 | 1 | 015660052 |

## 1566P
ribbed axle shaft
circlip pliers

**Pliers compress circlip, making it easier to fix axle shaft into homokinetic joint**

| L mm | A Max mm | | |
|---|---|---|---|
| **280** | 36 | 1 | 015660091 |

## 1567
lever for removing wishbone heads and shock absorbers from pillar

**Can be used by one operator**

| A mm | B min÷Max mm | | |
|---|---|---|---|
| **1060** | 100÷300 | 1 | 015670001 |

## 1568
pneumatic assembly tool for silicone axle shaft boots

**8 spreader arms**
**maximum arm spreading: 145 mm**

CE

| L mm | L1 mm | | |
|---|---|---|---|
| **420** | 195 | 1 | 015680001 |

## 1569/A

assortment of tools for removing and installing rear axle silent blocks, driving shaft oil seals and wheel bearings

- **Bushings can be used both on vehicle and on hydraulic press**
- **Kit contents:**
  **4 threaded bars: M10-M12-M14-M16**
  **4 washers**
  **bushings for diameters ranging from 44 mm to 82 mm**

| | | |
|---|---|---|
| **1569/A** | 1 | 015690011 |

530x415x115 mm

## 1569/B

assortment of tools for removing and installing silent blocks, oil seals and wheel bearings

**diameter: 14÷32 mm**

| | | |
|---|---|---|
| **1569/B** | 1 | 015690015 |

## 1569/F

tool assortment for removing and inserting Fiat Panda, Fiat 500 and Ford Ka silentblocks

| | | |
|---|---|---|
| **1569/F** | 1 | 015690021 |

## 1569CP

striking tools for installing conical bearings and oil seals

**Quick adjustment**

| | Ø min÷Max mm | L mm | | |
|---|---|---|---|---|
| **1569CP/50** | 9,5÷50 | 130 | 1 | 015690750 |
| **1569CP/90** | 18÷90 | 145 | 1 | 015690790 |

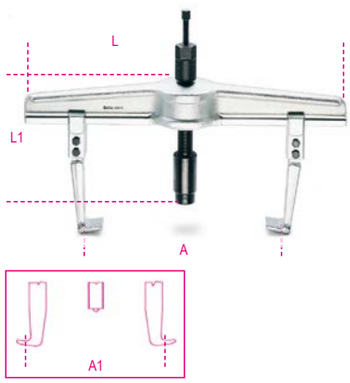
## 1570/3

hydraulic presses for pullers

| | t | L mm | L1 mm | ● mm | | |
|---|---|---|---|---|---|---|
| **1570/3** | 30 | 243 | 36 | 19 | 1 | 015700003 |

## 1580/8I

two-leg hydraulic puller




| | | |
|---|---|---|
| **1580/8I** | 1 | 015800008 |

| | A min÷Max mm | L mm | L1 mm | A1 min÷Max mm | N Max |
|---|---|---|---|---|---|
| **1580/8I** | 170÷640 | 715 | 280 | 260÷715 | 180000 |

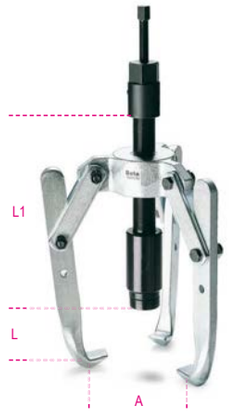
## 1580GL

loose legs, long series, for pullers item 1580/8I

| | L mm | | |
|---|---|---|---|
| **1580GL/8A** | 300 | 1 | 015800227 |
| **1580GL/8B** | 400 | 1 | 015800228 |
| **1580GL/8C** | 500 | 1 | 015800229 |

## 1585/5I - 6I - 7I

three-leg pullers for hydraulic use

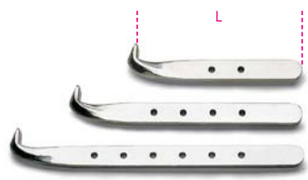



| | | |
|---|---|---|
| **1585/5I** | 1 | 015850005 |
| **1585/6I** | 1 | 015850006 |
| **1585/7I** | 1 | 015850007 |

| | A min÷Max mm | L1 mm | L mm | N Max |
|---|---|---|---|---|
| **1585/5I** | 50÷350 | 135 | 280 | 150000 |
| **1585/6I** | 50÷350 | 235 | 280 | 150000 |
| **1585/7I** | 50÷350 | 335 | 280 | 150000 |

## 1585GI/5 - 6 - 7

legs for hydraulic puller 1585/I-1585/6I-1585/7I




| | L mm | | |
|---|---|---|---|
| **1585GI/5** | 135 | 1 | 015850205 |
| **1585GI/6** | 235 | 1 | 015850206 |
| **1585GI/7** | 335 | 1 | 015850207 |

## 1589VI

hydraulic screw for pullers 1580/8I and 1585/5I - 1585/6I - 1585/7I

| | | |
|---|---|---|
| **1589VI** | 1 | 015890001 |

## 1589PI/50 - 100 - 150

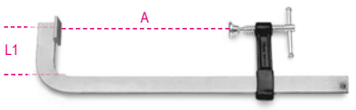
extension sockets for hydraulic screw

| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1589PI/50** | 50 | 70 | 1 | 015890005 |
| **1589PI/100** | 100 | 120 | 1 | 015890010 |
| **1589PI/150** | 150 | 170 | 1 | 015890015 |

## 1590
standard clamps

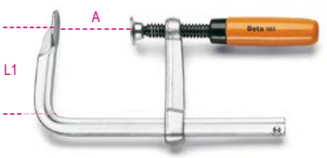
| A max mm | L1 mm | | |
|---|---|---|---|
| 60 | 55 | 2 | 015900305 |
| 80 | 65 | 2 | 015900307 |
| 100 | 65 | 2 | 015900310 |
| 120 | 85 | 2 | 015900312 |
| 150 | 95 | 2 | 015900315 |

## 1591
screw clamps



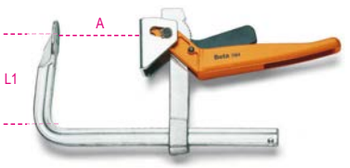

| A ~ | A max mm | L1 mm | | |
|---|---|---|---|---|
| 200 | 200 | 80 | 2 | 015910020 |
| 300 | 310 | 85 | 2 | 015910030 |
| 400 | 410 | 85 | 2 | 015910040 |
| 500 | 500 | 95 | 2 | 015910050 |
| 600 | 600 | 95 | 2 | 015910060 |
| 800 | 800 | 95 | 2 | 015910080 |
| 1000 | 1000 | 110 | 2 | 015910100 |

## 1593
screw clamps



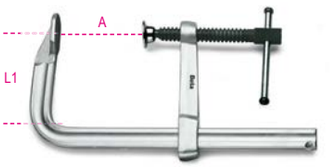

| A ~ | A max mm | L1 mm | | |
|---|---|---|---|---|
| 160 | 170 | 80 | 2 | 015930016 |
| 200 | 240 | 100 | 2 | 015930020 |
| 300 | 320 | 145 | 2 | 015930030 |

## 1594
lever bar clamps




| A ~ | A max mm | L1 mm | | |
|---|---|---|---|---|
| 200 | 240 | 145 | 1 | 015940020 |
| 250 | 290 | 145 | 1 | 015940025 |
| 300 | 340 | 145 | 1 | 015940030 |
| 400 | 430 | 150 | 1 | 015940040 |
| 500 | 530 | 150 | 1 | 015940050 |
| 600 | 630 | 150 | 1 | 015940060 |

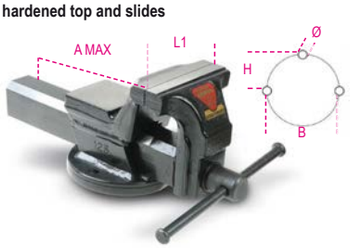
## 1595
screw clamps




| A ~ | A max mm | L1 mm | | |
|---|---|---|---|---|
| 200 | 230 | 100 | 2 | 015950020 |
| 250 | 270 | 120 | 2 | 015950025 |
| 300 | 330 | 120 | 2 | 015950030 |
| 400 | 420 | 120 | 2 | 015950040 |
| 500 | 520 | 125 | 2 | 015950050 |
| 600 | 620 | 125 | 2 | 015950060 |
| 800 | 820 | 125 | 1 | 015950080 |
| 1000 | 1030 | 125 | 1 | 015950100 |

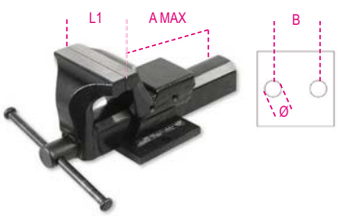
## 1599F
parallel bench vices

**with hardened top and slides**




| L1 mm | BxH mm | Ø mm | A MAX mm | | |
|---|---|---|---|---|---|
| 100 | 92x46 | 11 | 125 | 1 | 015990100 |
| 125 | 108x54 | 13 | 150 | 1 | 015990125 |
| 150 | 125x62 | 13 | 200 | 1 | 015990150 |
| 175 | 140x70 | 15 | 220 | 1 | 015990175 |

## 1599P
parallel bench vices

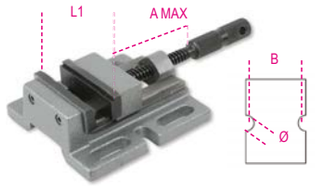



| L1 mm | B mm | Ø mm | A MAX mm | | |
|---|---|---|---|---|---|
| 100 | 92 | 11 | 111 | 1 | 015990000 |
| 125 | 108 | 13 | 130 | 1 | 015990025 |
| 150 | 130 | 15 | 170 | 1 | 015990050 |

## 1599B
revolving bases for vices item 1599P

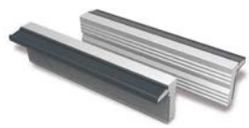
| | 1599P | | |
|---|---|---|---|
| • 1599B 100 | 100 | 1 | 015990810 |
| • 1599B 125 | 125 | 1 | 015990812 |
| 1599B 150 | 150 | 1 | 015990815 |

## 1599T
parallel drill vices




| L1 mm | B mm | Ø mm | A MAX mm | | |
|---|---|---|---|---|---|
| 80 | 111 | 11 | 65 | 1 | 015990480 |
| 100 | 120 | 13 | 87 | 1 | 015990500 |

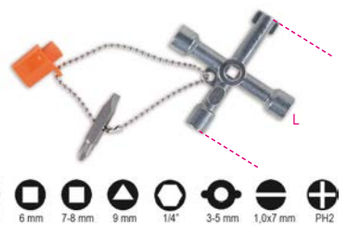
## 1599G
pairs of aluminium jaw covers



| A mm | | |
|---|---|---|
| 100 | 1 | 015990910 |
| 125 | 1 | 015990912 |
| 150 | 1 | 015990915 |
| 180 | 1 | 015990917 |

## 1600Q 8
four-way wrench for control panel operators

**square 5 / 6 / 7-8 mm**
**triangle 7 / 9 mm**
**flaps 3-5 mm**
**hexagon 1/4"**
**slotted head 1.0x7 mm + cross head PH2**




| L mm | | |
|---|---|---|
| 76 | 1 | 016000008 |

## 1600Q 10
eight-way wrench with articulated joint, for control panel operators

**square 5 / 6-7 / 8-9 mm**
**triangle 5-6-7 / 8-9 / 10 mm**
**flaps 3-5 mm**
**hexagon 1/4"**
**male drive 1/4"**

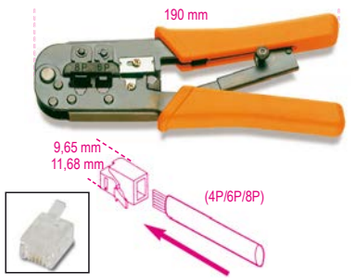
| L mm | | |
|---|---|---|
| 125 | 1 | 016000010 |

# CRIMPING PLIERS FOR TERMINALS AND TERMINALS

| | | Terminals | Die cavity | Range ($mm^2$) | Use |
|---|---|---|---|---|---|
| **1601/PC** | | | | | For telephone and data transmission terminals 4P/6P/8P |
| **1602** | | | | 0,75-6 | For insulated terminals, light series |
| **1602A** | | | | 0-6 | For insulated terminals, standard model |
| **1603** | | | | 1,25-5,5 | For non-insulated terminals, light series |
| **1603A** | | | | 0-8 | For non-insulated closed terminals, standard model |
| **1603B** | | | | 0-8 | For non-insulated open terminals, standard model |
| **1606/2** | | | | 0,14-10 | Heavy-duty, for cylindrical terminals |
| **1606A** | | | | 0,5-6<br>6-16 | For cylindrical terminals |
| **1606T** | | | | 0,1-10 | For cylindrical terminals, 4-sided crimping |
| **1607** | | | | 6,48<br>5,41<br>1,69 | Heavy-duty, for BNC coaxial wires RG 58, RG 59, RG 62, RG 71 |
| **1608** | | | | 0,5-6 | For insulated terminals, with pressure regulator |
| **1608A** | | | | 0,75-6 | Heavy-duty, for insulated terminals |
| **1609** | | | | 0,5-2,5 | For non-insulated terminals |
| **1609A** | | | | 0,5-6 | Heavy-duty, for non-insulated terminals |
| **1609B** | | | | 10-120 | For non-insulated terminals |

## 1601/PC

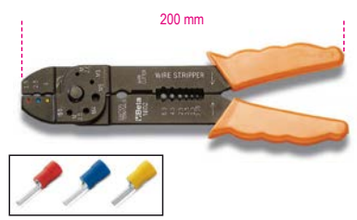
ratchet crimpling pliers
for telephone terminals
and data transmission




| | | |
|---|---|---|
| **RJ11-RJ12-RJ45** | 2 | 016010011 |

## 1602

crimping pliers
for insulated terminals, light series




| $mm^2$ | | |
|---|---|---|
| **0,75÷6** | 5 | 016020001 |

## 1602/C9

crimping pliers, light series,
with assortment of 450 terminals

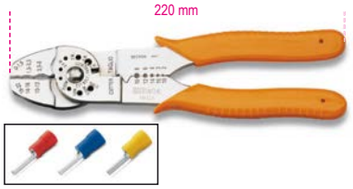
| | | |
|---|---|---|
| **1602/C9** | 1 | 016020045 |

| | | n. |
|---|---|---|
| **1602** | | 1 |
| **BM00180** | R/6,3 | 50 |
| **BM00280** | B/6,3 | 50 |
| **BM00380** | G/6,3 | 50 |
| **BM00191** | R/6,3 | 50 |
| **BM00291** | B/6,3 | 50 |
| **BM00392** | G/6,3 | 50 |
| **BM00160** | R/1,6 | 50 |
| **BM00260** | B/2,3 | 50 |
| **BM00360** | G/3,6 | 50 |

420x350x35 mm - 1,5 kg

## 1602A

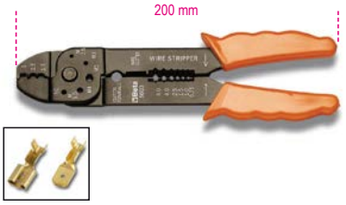
crimping pliers for insulated terminals, standard model




| mm² | | |
|---|---|---|
| 0÷6 | 2 | 016020005 |

## 1603

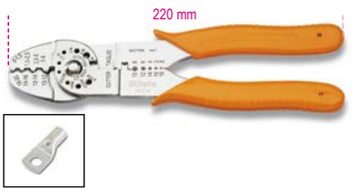
crimping pliers for non-insulated terminals, light series




| mm² | | |
|---|---|---|
| 1,25÷5,5 | 5 | 016030001 |

## 1603A

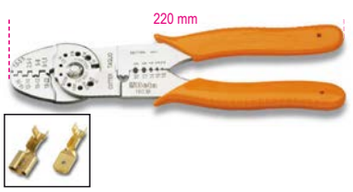
crimping pliers for non-insulated closed terminals, standard model




| mm² | | |
|---|---|---|
| 0÷8 | 2 | 016030005 |

## 1603B

crimping pliers for non-insulated open terminals, standard model




| mm² | | |
|---|---|---|
| 0÷8 | 2 | 016030010 |

## 1606/2

heavy duty crimping pliers for cylindrical terminals

| mm² | L mm | A mm | B mm | | |
|---|---|---|---|---|---|
| 0,14÷10 | 175 | 65 | 20 | 1 | 016060002 |

## 1606A

crimping pliers for tubular terminals

| | mm² | | |
|---|---|---|---|
| 1606A6 | 0,5÷6 | 1 | 016060010 |
| 1606A16 | 6÷16 | 1 | 016060016 |

## 1606A/C9

crimping pliers for tubular terminals with assortment of 450 terminals, 0.5÷6 mm²

| | | | |
|---|---|---|---|
| 1606A/C9 | 1 | 016060045 | |

| | | n. |
|---|---|---|
| 1606A6 | | 1 |
| BM00601 | W/0,5 | 50 |
| BM00604 | N/1,5 | 100 |
| BM00506 | B/2,5 | 100 |
| BM00508 | G/4 | 100 |
| BM00610 | Y/6 | 100 |

420x350x35 mm - 2,5 kg

## 1606T

crimping pliers for tubular terminals, 4-sided crimping

**reduced lever stress**

| mm² | L mm | A mm | B mm | | |
|---|---|---|---|---|---|
| 0.1÷10 | 173 | 61 | 13 | 1 | 016060005 |

## 1607

heavy duty crimping pliers for BNC coaxial wires RG 58, RG 59, RG 62, RG 71

| | L mm | A mm | B mm | | |
|---|---|---|---|---|---|
| 1607 | 220 | 73 | 19 | 1 | 016070001 |

## 1608

crimping pliers for insulated terminals, with pressure regulator

| mm² | | |
|---|---|---|
| 0,5÷6 | 1 | 016080001 |

## 1608/C9
pliers
with assortment of 450 terminals

| | | |
|---|---|---|
| **1608/C9** | 1 | 016080045 |

| | n. |
|---|---|
| **1608** | 1 |
| **BM00180** R/6,3 | 50 |
| **BM00280** B/6,3 | 50 |
| **BM00380** G/6,3 | 50 |
| **BM00191** R/6,3 | 50 |
| **BM00291** B/6,3 | 50 |
| **BM00392** G/6,3 | 50 |
| **BM00160** R/1,6 | 50 |
| **BM00260** B/2,3 | 50 |
| **BM00360** G/3,6 | 50 |

420x350x35 mm - 2 kg

## 1608A
heavy duty crimping pliers
for insulated terminals

| mm² | | |
|---|---|---|
| **0,75÷6** | 1 | 016080005 |

## 1609
crimping pliers for non-insulated
terminals, professional model
fast performance

| mm² | | |
|---|---|---|
| **0,5÷2,5** | 1 | 016090001 |

## 1609A
heavy duty crimping pliers
for non-insulated terminals

| mm² | | |
|---|---|---|
| **0,5÷6** | 1 | 016090005 |

## 1609B
crimping pliers for noninsulated terminals

**punch crimps,**
**10 mm² ÷ 120 mm²**

| L mm | mm² | | |
|---|---|---|---|
| **600** | 10÷120 | 1 | 016090101 |

## 1609C/C5
oil-pressure crimping pliers
with 5 pairs of dies

**hexagonal crimps,**
**25 mm² ÷ 240 mm²**

| mm² | | |
|---|---|---|
| **50÷240** | 1 | 016090210 |

500x300x110 mm - 4 kg

## 1609M
dies for item 1609C

**hexagonal crimps**

| | mm² | | |
|---|---|---|---|
| **1609M/16** | 10-16 | 1 | 016090221 |
| **1609M/35** | 25-35 | 1 | 016090223 |
| **1609M/70** | 50-70 | 1 | 016090225 |
| **1609M/120** | 95-120 | 1 | 016090227 |
| **1609M/150** | 150 | 1 | 016090229 |
| **1609M/185** | 185 | 1 | 016090231 |
| **1609M/240** | 240 | 1 | 016090233 |

## 1639S
nylon wire puller

**with interchangeable heads**

| L m | Ø mm | | |
|---|---|---|---|
| **10** | 4 | 1 | 016390010 |

## 1640K
oil-pressure punching machine with 4 punches

**round punches**
**22.5-25.5-32.5-55.5 mm**

| | | |
|---|---|---|
| **1640K** | 1 | 016400001 |

470x400x100 mm

## 1640
sheet metal punch press

| | | |
|---|---|---|
| **1640** | 1 | 016400100 |

## 1640A
adapter for item 1640

| | | |
|---|---|---|
| **1640A** | 1 | 016400080 |

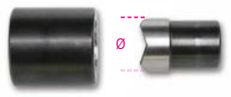
## 1640P
threaded pin for item 1640

| | Ø mm | | |
|---|---|---|---|
| **1640P/9** | 9,5 | 1 | 016400088 |
| **1640P/19** | 19 | 1 | 016400089 |

## 1640Q
square punches for item 1640

| | ■ mm | | |
|---|---|---|---|
| **1640Q 45** | 45x45 | 1 | 016400065 |

## 1640T
round punches for item 1640



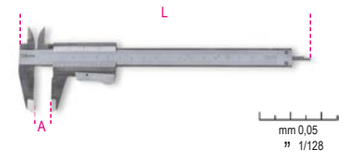

| | Ø mm | | |
|---|---|---|---|
| **1640T 22,5** | 22,5 | 1 | 016400022 |
| **1640T 25,5** | 25,5 | 1 | 016400025 |
| **1640T 32,5** | 32,5 | 1 | 016400032 |
| **1640T 55,5** | 55,5 | 1 | 016400055 |

## CERTIFICATION SERVICE FOR MEASURING INSTRUMENTS

Certification of measuring instruments is essential in the sectors or fields of application where precise, unambiguous, recognizable measurements are required.
Certification involves issuing an Accredia certificate:

**On request, Beta Utensili S.p.A. provides the certification service for Sliding Gauges, Digital Verniers, Dial Indicators, Micrometers and Feeler Gauges. To receive this service, please contact your dealer.**

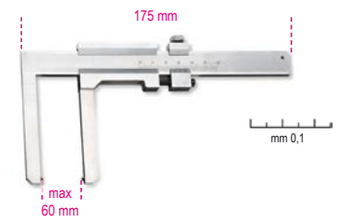
## 1650
sliding gauge
reading to 0.05 mm




UNI EN ISO 13385-1DIN 862

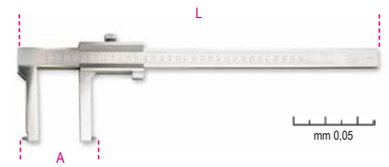
| A max mm | L mm | | |
|---|---|---|---|
| **150** | 235 | 1 | 016500001 |
| **200** | 290 | 1 | 016500002 |

## 1650FD
sliding gauge for brake discs
reading to 0.1 mm




| | | | |
|---|---|---|---|
| **1650FD** | | 1 | 016500050 |

## 1650FT
sliding gauge for brake drums
made from stainless steel
reading to 0.05 mm




| | A max mm | L mm | | |
|---|---|---|---|---|
| **1650FT/1** | 350 | 438 | 1 | 016500060 |
| **1650FT/2** | 500 | 550 | 1 | 016500070 |

## 1651DGT
digital vernier
reading to 0.01 mm

- **Reading to 0.01 mm**
- **Screw slider locking**
- **mm/inch conversion**

CE

UNI EN ISO 13385-1DIN 862CE

| A Max mm | L mm | | |
|---|---|---|---|
| **150** | 225 | 1 | 016510111 |
| **200** | 285 | 1 | 016510112 |

## 1651DGT/IP

digital vernier,
reading to 0.01 mm, degree of protection IP67

**Total protection against dust and liquids; it also works when it is completely immersed.**

UNI EN ISO 13385-1 DIN 862CE

| | | |
|---|---|---|
| **1651DGT/IP** | 1 | 016510611 |

270x115x35 mm - 450 g

## 1652

analogue vernier,
analogue reading to 0.02 mm

UNI EN ISO 13385-1DIN 862

| | | |
|---|---|---|
| **1652** | 1 | 016520016 |

## 1654

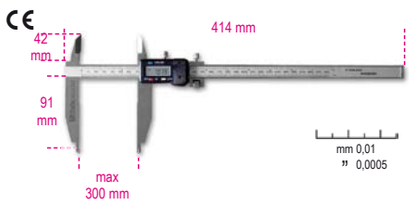
workshop verniers,
reading to 0.02 mm

UNI EN ISO 13385-1DIN 862

| A max mm | L mm | | |
|---|---|---|---|
| **200** | 330 | 1 | 016540020 |
| **300** | 410 | 1 | 016540030 |

## 1654DGT

digital vernier,
reading to 0.01 mm
reading to 0.0005"

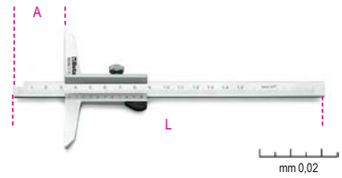



UNI EN ISO 13385-1DIN 862CE

| | | |
|---|---|---|
| **1654DGT** | 1 | 016540111 |

## 1656

depth gauge, reading to 0.02 mm




UNI EN ISO 13385-2DIN 862

| A max mm | L mm | | |
|---|---|---|---|
| **200** | 260 | 1 | 016560020 |
| **300** | 360 | 1 | 016560030 |

## 1657DGT/2

digital depth gauge
reading to 0.01 mm
reading to 0,0005"

UNI EN ISO 13385-2DIN 862CE

| | A max mm | L mm | | |
|---|---|---|---|---|
| **1657DGT/2** | 200 | 270 | 1 | 016570002 |

## 1658/...

outside micrometers,
reading to 0.01 mm

DIN 863/II

| | A mm | | |
|---|---|---|---|
| **1658/25** | 0÷25 | 1 | 016580025 |
| **1658/50** | 25÷50 | 1 | 016580050 |
| **1658/75** | 50÷75 | 1 | 016580075 |
| **1658/100** | 75÷100 | 1 | 016580100 |

## 1658/C4

assortment of 4 micrometers
item 1658

DIN 863

| | | |
|---|---|---|
| **1658/C4** | 1 | 016580001 |

| | |
|---|---|
| **1658/25** | 0÷25 mm |
| **1658/50** | 25÷50 mm |
| **1658/75** | 50÷75 mm |
| **1658/100** | 75÷100 mm |

365x245x35 mm - 2,5 kg

## 1658DGT

outside micrometers,
reading to 0.001 mm

DIN 863CE

| | A mm | | |
|---|---|---|---|
| **1658DGT25** | 0÷25 | 1 | 016580325 |
| **1658DGT50** | 25÷50 | 1 | 016580350 |

## 1658SP/1

base for micrometer

| | | |
|---|---|---|
| **1658SP/1** | 1 | 016580910 |

## 1659
thickness gauge with dial indicator, reading to 0.01 mm

**C=dial field**

| | C mm | | |
|---|---|---|---|
| **1659** | 0÷10 | 1 | 016590001 |

## 1662/1 - 1662/2
dial indicator, reading to 0.01 mm

**C=dial field**

DIN 878

| | C mm | | |
|---|---|---|---|
| **1662/1** | 0÷5 | 1 | 016620001 |
| **1662/2** | 0÷10 | 1 | 016620010 |

## 1662DGT/A
digital dial indicator, reading to 0.01 mm

**C = Dial field**

CE

| | C mm | | |
|---|---|---|---|
| **1662DGT/A** | 0-12,5 | 1 | 016620311 |

## 1662AN
adjustable stylus dial indicator, reading to 0.01 mm

**C=Dial field**

DIN 2270

| | C mm | | |
|---|---|---|---|
| **1662AN** | 0÷0,8 | 1 | 016620200 |

## 1662SP0
magnetic base

| | | |
|---|---|---|
| **1662SP0** | 1 | 016620800 |

## 1662SP2
magnetic base, rotating

| | | |
|---|---|---|
| **1662SP2** | 1 | 016620910 |

## 1666
precision squares made from stainless steel ground and lapped

DIN 875/0

| L mm | L1 mm | | |
|---|---|---|---|
| **100** | 70 | 1 | 016660210 |
| **150** | 100 | 1 | 016660215 |
| **200** | 130 | 1 | 016660220 |
| **250** | 165 | 1 | 016660225 |
| **300** | 200 | 1 | 016660230 |

## 1666A
flanged precision squares made from stainless steel ground and lapped

DIN 875/0

| L mm | L1 mm | | |
|---|---|---|---|
| **100** | 70 | 1 | 016660110 |
| **150** | 100 | 1 | 016660115 |
| **200** | 130 | 1 | 016660120 |
| **250** | 170 | 1 | 016660125 |
| **300** | 200 | 1 | 016660130 |

## 1668
squares made from normalized, ground steel

DIN 875/2

| L mm | L1 mm | | |
|---|---|---|---|
| **100** | 70 | 2 | 016680210 |
| **150** | 100 | 2 | 016680215 |
| **200** | 130 | 2 | 016680220 |
| **250** | 165 | 1 | 016680225 |
| **300** | 174 | 1 | 016680230 |

## 1668A
flanged precision squares made from normalised, ground steel

DIN 875/2

| L mm | L1 mm | | |
|---|---|---|---|
| **100** | 70 | 2 | 016680110 |
| **150** | 100 | 2 | 016680115 |
| **200** | 130 | 2 | 016680120 |
| **250** | 165 | 1 | 016680125 |
| **300** | 176 | 1 | 016680130 |

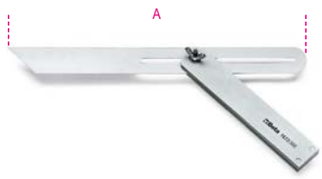
## 1670
squares
made from ground steel

| L mm | L1 mm | | |
|---|---|---|---|
| **100** | 70 | 3 | 016700010 |
| **150** | 100 | 3 | 016700015 |
| **200** | 130 | 3 | 016700020 |
| **250** | 160 | 3 | 016700025 |
| **300** | 175 | 3 | 016700030 |
| **400** | 230 | 2 | 016700040 |
| **500** | 280 | 2 | 016700050 |
| **600** | 330 | 2 | 016700060 |
| **800** | 420 | 1 | 016700080 |
| **1000** | 500 | 1 | 016700099 |

## 1670A
flanged precision squares
made from ground steel

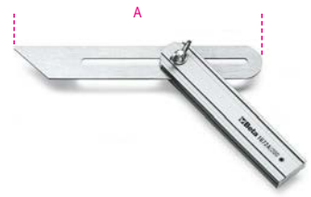
| L mm | L1 mm | | |
|---|---|---|---|
| **100** | 70 | 3 | 016700110 |
| **150** | 100 | 3 | 016700115 |
| **200** | 130 | 3 | 016700120 |
| **250** | 165 | 3 | 016700125 |
| **300** | 175 | 3 | 016700130 |
| **400** | 230 | 2 | 016700140 |
| **500** | 280 | 2 | 016700150 |
| **600** | 330 | 2 | 016700160 |
| **800** | 420 | 1 | 016700180 |
| **1000** | 500 | 1 | 016700199 |

## 1672
mitre square, adjustable sliding blade,
base and blade made from steel



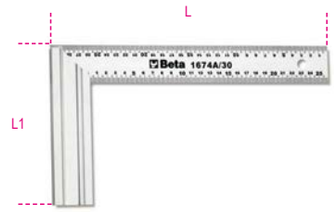

| A mm | | |
|---|---|---|
| **300** | 2 | 016720030 |

## 1672A
mitre square, adjustable,
sliding blade, aluminium base,
blades made from chrome-plated steel



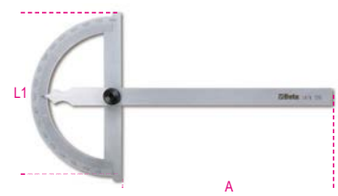

| A mm | | |
|---|---|---|
| **200** | 3 | 016720120 |
| **300** | 3 | 016720130 |

## 1674A
carpenter's squares blades
made from stainless steel,
with aluminium bases, double metric scale



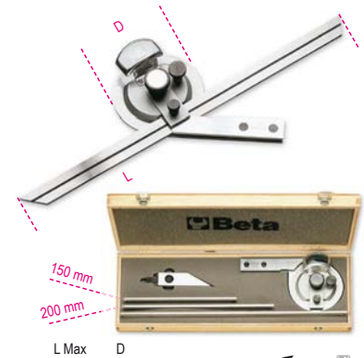

| L mm | L1 mm | | |
|---|---|---|---|
| **300** | 169 | 2 | 016740130 |
| **400** | 214 | 2 | 016740140 |

## 1676
protractors made from stainless steel



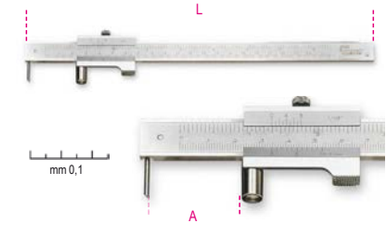

| A ~ | A mm | L1 mm | G mm | | |
|---|---|---|---|---|---|
| **120** | 120 | 80 | 1° | 2 | 016760012 |
| **150** | 165 | 120 | 1° | 2 | 016760015 |
| **200** | 210 | 150 | 1° | 2 | 016760020 |
| **300** | 310 | 200 | 1° | 1 | 016760030 |

## 1678/C3
bevel protractor
made from stainless steel




| | L Max mm | D mm | | |
|---|---|---|---|---|
| **1678/C3** | 300 | 70 | 1 | 016780030 |

## 1679
universal gauge with contact-roll,
made from stainless steel,
reading to 0.1 mm

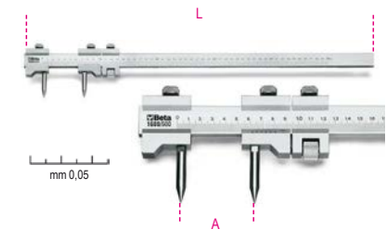



| L mm | A Max mm | | |
|---|---|---|---|
| **235** | 200 | 1 | 016790020 |

## 1679/PR
spare tip for universal gauge 1679

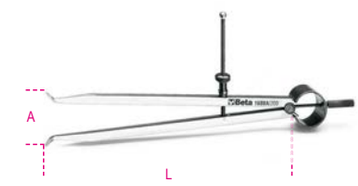
| | | |
|---|---|---|
| **1679/PR** | 1 | 016790021 |

## 1680
trammels, hardened steel body
and tips




| L mm | A Max mm | | |
|---|---|---|---|
| **660** | 500 | 1 | 016800050 |

## 1680A
inside callipers




| L mm | A Max mm | | |
|---|---|---|---|
| **150** | 144 | 2 | 016800115 |
| **200** | 200 | 2 | 016800120 |
| **250** | 245 | 1 | 016800125 |
| **300** | 300 | 1 | 016800130 |

## 1680B
outside callipers

| L mm | A Max mm | | |
|---|---|---|---|
| **150** | 155 | 2 | 016800215 |
| **200** | 190 | 2 | 016800220 |
| **250** | 235 | 1 | 016800225 |
| **300** | 280 | 1 | 016800230 |

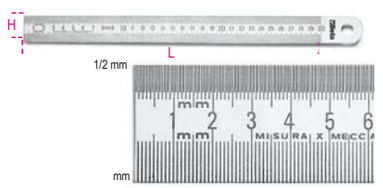
## 1680C
precision dividers,
hardened steel straight tips

| L mm | A Max mm | | |
|---|---|---|---|
| **150** | 138 | 2 | 016800315 |
| **200** | 190 | 2 | 016800320 |
| **250** | 235 | 1 | 016800325 |
| **300** | 280 | 1 | 016800330 |

## 1682
flexible graduated rules
made from stainless steel

| L mm | H mm | ± mm | | |
|---|---|---|---|---|
| **150** | 13 | 0,5 | 5 | 016820015 |
| **200** | 13 | 0,5 | 5 | 016820020 |
| **250** | 13 | 0,5 | 5 | 016820025 |
| **300** | 13 | 0,5 | 5 | 016820030 |
| **500** | 13 | 0,5 | 2 | 016820050 |
| **1000** | 13 | 0,5 | 2 | 016820100 |

## 1683
semi-rigid graduated rules
made from stainless steel




| L mm | H mm | ± mm | | |
|---|---|---|---|---|
| **300** | 30 | 1 | 5 | 016830030 |
| **500** | 30 | 1 | 2 | 016830050 |
| **1000** | 30 | 1 | 2 | 016830100 |
| **1500** | 30 | 1 | 1 | 016830150 |

## 1685/C7
assortment of 7 measuring and marking tools

**1685/C7** — 1 016850110

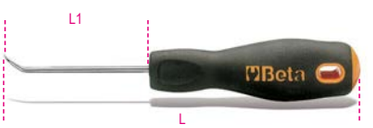
| | |
|---|---|
| **1650** | 160 mm |
| **1658/25** | 0÷25 mm |
| **1670** | 100 mm |
| **1680C** | 150 mm |
| **1682** | 150 mm |
| **1688BC** | 165 mm |
| **1688BC/R** | |

320x210x37 mm - 1,2 kg

## 1687A
engineer's precision scriber,
tip bent at 90°, with handle

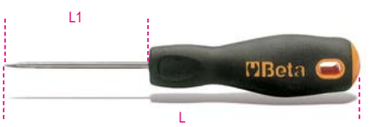
| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1687A** | 153 | 80 | 1 | 016870120 |

## 1687AC
engineer's precision scriber,
short tip bent at 90°, with handle



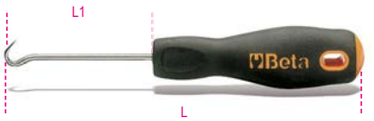

| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1687AC** | 153 | 80 | 1 | 016870125 |

## 1687D
engineer's precision scriber,
straight tip, with handle




| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1687D** | 153 | 80 | 1 | 016870110 |

## 1687U
engineer's precision scriber,
hook tip, with handle




| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1687U** | 153 | 80 | 1 | 016870115 |

## 1687/S4
set of 4 engineer's precision scribers,
with handles

**1687/S4** — 1 016870150
1687A-1687AC
1687D-1687U

## 1688
engineer's scriber
made from hardened steel

| | L mm | Ø mm | | |
|---|---|---|---|---|
| **1688** | 250 | 2 | 5 | 016880020 |

## 1688A
engineer's scriber
made from hardened steel

| | L mm | Ø mm | | |
|---|---|---|---|---|
| **1688A** | 200 | 4 | 5 | 016880120 |

## 1688PC
engineer's scriber
made of chrome-plated, hardened steel

| | L mm | Ø mm | | |
|---|---|---|---|---|
| **1688PC** | 150 | 1 | 1 | 016880300 |

## 1688PC/R
spare tip for item 1688PC

**1688PC/R** — 1 016880310

## 1688M
carpenter's pencil

| | L mm | | |
|---|---|---|---|
| **1688M** | 180 | 50 | 016880880 |

## 1690F
folding ruler made of fibreglass
precision class III

| | L m | S mm | | |
|---|---|---|---|---|
| **1690F/2** | 2 | 17 | 5 | 016900220 |

## 1690L
folding ruler made of birch
precision class III

| | L m | S mm | | |
|---|---|---|---|---|
| **1690L/2** | 2 | 17 | 5 | 016900200 |

## 1691BM
measuring tapes
shock-resistant bimaterial ABS casings,
steel tapes,
precision class: II

CE

| | L m | S mm | | |
|---|---|---|---|---|
| **1691BM/5** | 5 | 25 | 1 | 016910205 |
| **1691BM/8** | 8 | 32 | 1 | 016910208 |
| **1691BM/10** | 10 | 32 | 1 | 016910210 |

## 1692
measuring tapes,
shock-resistant bi-material ABS casings,
steel tapes,
precision class II

CE

| | L m | S mm | | |
|---|---|---|---|---|
| **1692/2** | 2 | 16 | 5 | 016920052 |
| **1692/3** | 3 | 16 | 5 | 016920053 |
| **1692/5** | 5 | 19 | 5 | 016920055 |
| **1692/8** | 8 | 25 | 5 | 016920058 |

## 1693
laser distance meter,
20 m

MEASUREMENTS:
- single distance measurement
- continuous measurement or minimal measurement

Auto off feature
Battery life: up to 4,000 measurements

CE
IP54

**Technical Data:**
- Measurement range: 0.05 ÷ 20m (0.2ft÷ 66ft)
- Scale selection: m, in, ft
- Measurement accuracy: ±1.5 mm (± 0.06 in)
- Laser class: 2
- Battery life: AAA 2 x 1.5V

| | H mm | L mm | S mm | | |
|---|---|---|---|---|---|
| **1693 20** | 100 | 36 | 23 | 1 | 016930020 |

## 1693M
laser distance meter, multipurpose,
80 m

MEASUREMENTS:
- single distance measurement
- continuous measurement or minimal measurement

FUNCTIONS:
- addition/subtraction
- area measurement
- volume measurement
- indirect measurement (Pythagorean measurement)
- tilt measurement

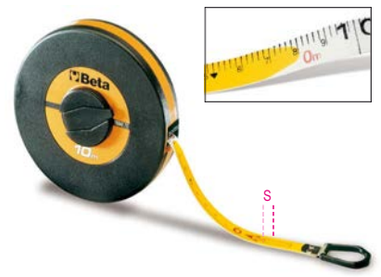
Auto off feature
Soft cloth case (included)
Battery life: up to 4,000 measurements

CE
IP54

**Technical data:**
- Measurement range: 0.05 ÷ 80 m (0.2 in ÷ 229f)
- Scale selection: m, in, ft
- Measurement accuracy: ±1.5 mm (± 0.06 in)
- Laser class: 2
- Max. storage: 99 units
- Batteries: AAA 2 x 1.5V

| | H mm | L mm | S mm | | |
|---|---|---|---|---|---|
| **1693M 80** | 115 | 48 | 29 | 1 | 016930080 |

## 1694/L
measuring tapes shock-resistant
ABS casings, PVC-coated fibreglass tapes,
precision class III

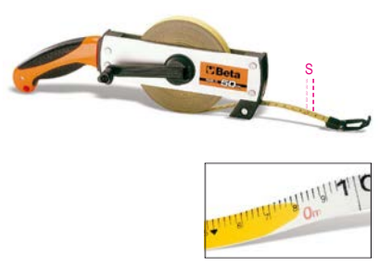



| | L m | S mm | | |
|---|---|---|---|---|
| **1694L10** | 10 | 13 | 1 | 016940110 |
| **1694L20** | 20 | 13 | 1 | 016940120 |

## 1694A/L
measuring tapes with handles,
shock-resistant ABS casings,
PVC-coated fibreglass tapes,
precision class III

| | L m | S mm | | |
|---|---|---|---|---|
| **1694A/L30** | 30 | 13 | 1 | 016940230 |
| **1694A/L50** | 50 | 13 | 1 | 016940250 |

## 1694B/L
measuring tape with handle,
aluminium casing, varnished steel tape,
precision class II




| | L m | S mm | | |
|---|---|---|---|---|
| **1694B/L50** | 50 | 12,5 | 1 | 016940350 |

## 1695XS

pocket spirit level with magnetic V-shaped base
made from profiled aluminium
2 unbreakable vials
accuracy: 1mm/m

| L mm | H mm | S mm | | |
|---|---|---|---|---|
| **70** | 48,5 | 20 | 5 | 016950250 |

## 1696

spirit levels made from anodized profile aluminium, with 2 unbreakable vials,
accuracy: 1 mm/m

| L mm | H mm | S mm | | |
|---|---|---|---|---|
| **200** | 50 | 19 | 2 | 016960002 |
| **400** | 50 | 19 | 2 | 016960004 |
| **500** | 50 | 19 | 2 | 016960005 |
| **600** | 50 | 19 | 2 | 016960006 |
| **800** | 50 | 19 | 2 | 016960008 |
| **1000** | 50 | 19 | 2 | 016960010 |

## 1696A

spirit levels made from die-cast aluminium, with 1 ground base
and 2 unbreakable vials, accuracy: 1 mm/m

| L mm | H mm | S mm | | |
|---|---|---|---|---|
| **300** | 43 | 23 | 2 | 016960103 |
| **400** | 43 | 23 | 2 | 016960104 |
| **500** | 43 | 23 | 2 | 016960105 |
| **600** | 43 | 23 | 2 | 016960106 |
| **800** | 43 | 23 | 1 | 016960108 |
| **1000** | 43 | 23 | 1 | 016960110 |

## 1696B

spirit levels with magnetic bases
made from anodized profiled aluminium,
2 unbreakable vials accuracy: 1 mm/m

| L mm | H mm | S mm | | |
|---|---|---|---|---|
| **200** | 49 | 22 | 2 | 016960202 |
| **300** | 49 | 22 | 2 | 016960203 |
| **400** | 49 | 22 | 2 | 016960204 |
| **500** | 49 | 22 | 2 | 016960205 |
| **600** | 49 | 22 | 2 | 016960206 |

## 1696D

spirit levels made of die-cast aluminium with handles,
4 ground bases and 3 unbreakable vials,
accuracy: 1 mm/m

| L mm | H mm | S mm | | |
|---|---|---|---|---|
| **300** | 47 | 25 | 2 | 016960353 |
| **400** | 47 | 25 | 2 | 016960354 |
| **500** | 47 | 25 | 2 | 016960355 |
| **600** | 47 | 25 | 2 | 016960356 |

## 1696S

levelling staffs made from aluminium, with 2 unbreakable vials

| L mm | H mm | S mm | | |
|---|---|---|---|---|
| **1500** | 90 | 25 | 1 | 016960415 |
| **2000** | 90 | 25 | 1 | 016960420 |
| **2500** | 90 | 25 | 1 | 016960425 |
| **3000** | 90 | 25 | 1 | 016960430 |

## 1697

cross laser level,
30 metres, green beam,
with magnetic base and wall-mount bracket,
in case

**TECHNICAL SPECIFICATIONS:**
- **self-levelling cross**
- **self-levelling function can be switched off for manual use**
- **laser diode 515 Nm, class 2**
- **working range: 30 m**
- **accuracy: ± 1 mm at 5 m**
- **self-levelling range: 3° ± 0.5°**

- **body made of ABS and nonslip rubber**
- **1/4" female drive**
- **2xAA batteries**
- **battery life: 4 hours**

**BASE:**
- **1 magnetic base for individual and combined use, 1/4" male drive**
- **1 adjustable tightening bracket for several wood and metal profiles (for use in combination with magnetic base)**
- **quick horizontal and vertical alignment at a 90° angle**

CE IP55

| H mm | L mm | S mm | | |
|---|---|---|---|---|
| **82** | 57 | 89,5 | 1 | 016970030 |

320x230x90 mm

## 1699L

precision surface level made from die-cast iron with ground prismatic base, 2 unbreakable vials,
accuracy: 0.05 mm/m

DIN 877

| | L mm | A mm | | |
|---|---|---|---|---|
| **1699L** | 200 | 49 | 1 | 016990002 |

## 1699L/1

precision surface level made from die-cast iron with ground prismatic base, 2 unbreakable vials,
accuracy: 0.02 mm/m

DIN 877

| | L mm | A mm | | |
|---|---|---|---|---|
| **1699L/1** | 200 | 49 | 1 | 016990005 |

## 1699Q

precision square levels made from die-cast iron with 2 prismatic bases and 2 ground flat bases, 2 unbreakable vials,
accuracy: 0.05 mm/m

DIN 877

| L mm | A mm | | |
|---|---|---|---|
| **150** | 40 | 1 | 016990015 |
| **200** | 48 | 1 | 016990020 |

## 1700N

masonry points

| L mm | S mm | | |
|---|---|---|---|
| **250** | 16 | 5 | 017000005 |
| **300** | 16 | 5 | 017000006 |

## 1700N/PM
masonry points
with hand guards

| L mm | S mm | | |
|---|---|---|---|
| 250 | 16 | 2 | 017000105 |
| 300 | 16 | 2 | 017000106 |

## 1701N
masonry chisels

| L mm | A mm | S mm | | |
|---|---|---|---|---|
| 250 | 23 | 16 | 5 | 017010001 |
| 300 | 23 | 16 | 5 | 017010003 |

## 1701N/PM
masonry chisels
with hand guards

| L mm | A mm | S mm | | |
|---|---|---|---|---|
| 250 | 23 | 16 | 2 | 017010101 |
| 300 | 23 | 16 | 2 | 017010103 |

## 1701PMR
hand guards for items 1700N and 1701N

| D mm | L mm | | |
|---|---|---|---|
| 16 | 115 | 1 | 017010206 |

## 1701NE/...
electrician's chisels

| | SxL mm | | |
|---|---|---|---|
| 1701NE3 | 10x200 | 5 | 017010406 |
| 1701NE4 | 10x250 | 5 | 017010409 |

## 1702N
extra-wide chisels

| A mm | SxH mm | | |
|---|---|---|---|
| 50 | 13x23 | 2 | 017020005 |
| 70 | 13x23 | 2 | 017020007 |

## 1702N/PM
extra-wide chisels
with hand guards

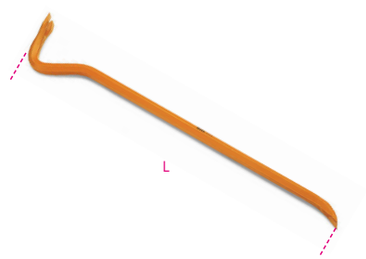
| A mm | SxH mm | | |
|---|---|---|---|
| 50 | 13x23 | 2 | 017020105 |
| 70 | 13x23 | 2 | 017020107 |

**We recommend frequent cooling of the tool while regrinding it.**

## 1702PMR
hand guard for item 1702N

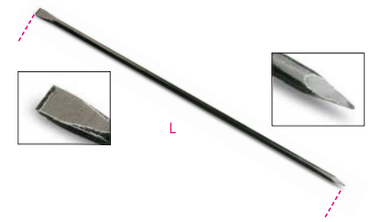
| L mm | | |
|---|---|---|
| 115 | 1 | 017020200 |

## 1704
carpenter's wrenching bars




| L mm | 6 mm | | | |
|---|---|---|---|---|
| 500 | 16 | 35 | 28 | 2 017040050 |
| 600 | 16 | 34 | 26 | 2 017040060 |
| 800 | 18 | 38 | 29 | 2 017040080 |

## 1704A
crow bars with open and pointed edges




| L mm | 6 mm | | | |
|---|---|---|---|---|
| 1500 | 25 | 45 | 1 | 017040110 |
| 2000 | 28 | 55 | 1 | 017040120 |

## 1704C
crow bars with closed and pointed edges

| L mm | 8 min-MAX mm | | | |
|---|---|---|---|---|
| 1200 | 21-31 | 39 | 1 | 017040210 |
| 1400 | 31-37 | 42 | 1 | 017040212 |
| 1600 | 25-37 | 42 | 1 | 017040215 |

## 1705
chalk line reel made from aluminium

| L m | | |
|---|---|---|
| 1705 30 | 4 | 017050001 |

## 1705PT
chalk powder

| g | | |
|---|---|---|
| 250 | 5 | 017050025 |

## 1706DGT
digital depth gauge for tyre threads

| | | |
|---|---|---|
| **1706DGT** | 1 | 017060011 |

## 1707
screw pitch gauge

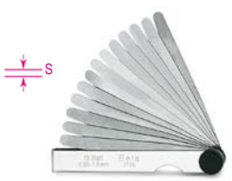
**For ISO 60° metric and Whitworth 55° threads**

| P (ISO) | W | | |
|---|---|---|---|
| **0,25÷6** | 62÷4x1" | 5 | 017070001 |

## 1707A/1 - 2 - 3
radius gauges,
concave and convex steel blades

| | R mm | L mm | n | | |
|---|---|---|---|---|---|
| **1707A/1** | 1,0÷7,0 | 70 | 34 | 2 | 017070007 |
| **1707A/2** | 7,5÷15 | 85 | 32 | 2 | 017070015 |
| **1707A/3** | 15,5÷25 | 85 | 30 | 2 | 017070025 |

## 1708/8 - 13 - 20
metric feeler gauges




| | | |
|---|---|---|
| **1708/8**<br>S = 0,05÷0,50 mm | 5 | 017080008 |
| **1708/13**<br>S = 0,05÷1,00 mm | 5 | 017080013 |
| **1708/20**<br>S = 0,05÷1,00 mm | 5 | 017080020 |

## 1709/10 - 1709/18
nut splitters

| | L mm | A max mm | | |
|---|---|---|---|---|
| **1709/10** | 90 | 17 (M10) | 1 | 017090010 |
| **1709/18** | 108 | 25 (M16) | 1 | 017090018 |

## 1710
hydraulic nut splitters

| C min mm | C max mm | | |
|---|---|---|---|
| **7(M4)** | 22(M14) | 1 | 017100001 |

## 1712E/1 - 2 - 3
flexible magnetic pick up tools

**F = magnetic power**

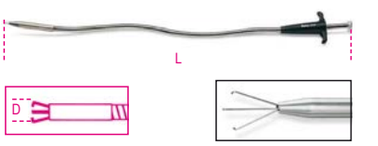
| | L mm | D mm | F kg | | |
|---|---|---|---|---|---|
| **1712E/1** | 420 | 7,5 | 0,5 | 2 | 017120011 |
| **1712E/2** | 530 | 15 | 1,8 | 2 | 017120012 |
| **1712E/3** | 532 | 19 | 3,0 | 2 | 017120013 |

## 1712TF
telescopic magnet with flexible head

**• With washer jet cleaner**
**F= magnetic force**

| L mm | D mm | F kg | | |
|---|---|---|---|---|
| **150÷590** | 11 | 1 | 1 | 017120600 |

## 1713M
flexible pickup tools




| L mm | D mm | | |
|---|---|---|---|
| **500** | 7 | 2 | 017130011 |
| **1000** | 7 | 1 | 017130015 |

## 1714
inspection mirror made from plastic

| L mm | D mm | | |
|---|---|---|---|
| **1714** | 155 | 25 | 5 017140001 |

## 1715
telescopic joint inspection mirror
chrome-plated metal body

| | L mm | D mm | | |
|---|---|---|---|---|
| **1715** | 180÷540 | 30 | 1 | 017150001 |

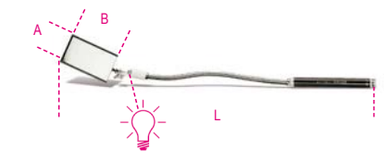
## 1715FL/A
square flexible inspection mirror

| | L mm | A mm | B mm | | |
|---|---|---|---|---|---|
| **1715FL/A** | 600 | 53 | 90 | 1 | 017150110 |

## 1715R/FL
kit of 2 inspection mirrors for items 1715FL/A and 1715FL/B

| | | |
|---|---|---|
| **1715R/FL** | 1 | 017150151 |

## 1715FL/B
rectangular flexible inspection mirror with light




| | L mm | A mm | B mm | | |
|---|---|---|---|---|---|
| **1715FL/B** | 553 | 53 | 90 | 1 | 017150115 |

## 1715B/R5L
kit of 5 spare light bulbs for item 1715FL/B

| | | |
|---|---|---|
| **1715B/R5L** | 1 | 017150152 |

## 1716A
angled bit for general use

| | L mm | L1 mm | ■ mm | | |
|---|---|---|---|---|---|
| **1716A** | 240 | 125 | 6 | 3 | 017160040 |

## 1716P
packing scraper

| | L mm | L1 mm | ● mm | | |
|---|---|---|---|---|---|
| **1716P** | 250 | 125 | 6 | 3 | 017160020 |

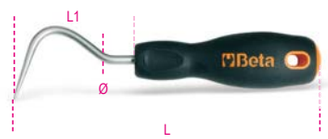
## 1716Q
square bit reamer

| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **1716Q** | 215 | 100 | 6 | 5 | 017160010 |

## 1716R
round bit reamer

| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **1716R** | 215 | 100 | 6 | 5 | 017160001 |

## 1716U
hook bit for general use

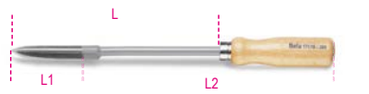



| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **1716U** | 195 | 80 | 6 | 3 | 017160025 |

## 1717A
scrapers, two cutting edges

| L mm | L1 mm | L2 mm | | |
|---|---|---|---|---|
| **150** | 70 | 260 | 2 | 017170015 |
| **200** | 75 | 310 | 2 | 017170020 |
| **250** | 100 | 360 | 2 | 017170025 |

## 1717B
scrapers, three cutting edges




| L mm | L1 mm | L2 mm | | |
|---|---|---|---|---|
| **150** | 75 | 260 | 2 | 017170115 |
| **200** | 85 | 310 | 2 | 017170120 |
| **250** | 100 | 360 | 2 | 017170125 |

## 1717C
flat scrapers, varnished

| L mm | S mm | L1 mm | | |
|---|---|---|---|---|
| **150** | 18 | 270 | 2 | 017170215 |
| **200** | 20 | 320 | 2 | 017170220 |
| **250** | 25 | 370 | 2 | 017170225 |

## 1717D
flat scraper, front cut

| | L mm | S mm | L1 mm | | |
|---|---|---|---|---|---|
| **1717D 150** | 150 | 23 | 240 | 2 | 017170320 |

## 1717T
triangular blade scrapers,
complete with 2 blades

| | L mm | | |
|---|---|---|---|
| **1717T** | 310 | 1 | 017170610 |

## 1717T RT
spare triangular blades

| | L mm | | |
|---|---|---|---|
| **1717T RT** | 65 | 1 | 017170660 |

## 1717T RS
spare shaped blades

| | | | |
|---|---|---|---|
| **1717T RS** | | 1 | 017170661 |

## 1717V
paint scrapers,
blades can be used on several sides

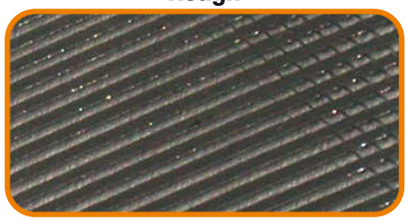
| | L mm | A mm | | |
|---|---|---|---|---|
| **1717V 38** | 200 | 38 | 1 | 017170703 |
| **1717V 65** | 285 | 65 | 1 | 017170706 |

## 1717V R
spare blades for item 1717V

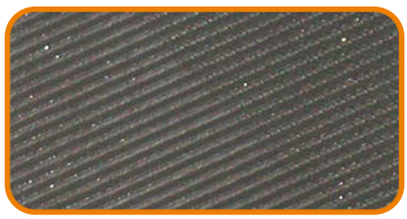
| | L mm | | |
|---|---|---|---|
| **1717V R38** | 38 | 1 | 017170753 |
| **1717V R65** | 65 | 1 | 017170756 |

# CUTS OF ENGINEER'S FILES

### Rough



### Second-cut



### Smooth

## 1718D...Q
rough square files, without handles

| | L mm | L " | | |
|---|---|---|---|---|
| **1718D6/Q** | 150 | 6 | 5 | 017180121 |
| **1718D8/Q** | 200 | 8 | 5 | 017180131 |
| **1718D10/Q** | 250 | 10 | 5 | 017180141 |

## 1718A...Q
second-cut square files, without handles

| | L mm | L " | | |
|---|---|---|---|---|
| **1718A6/Q** | 150 | 6 | 5 | 017180021 |
| **1718A8/Q** | 200 | 8 | 5 | 017180031 |
| **1718A10/Q** | 250 | 10 | 5 | 017180041 |

## 1718D...T
rough triangular files, without handles

| | L mm | L " | | |
|---|---|---|---|---|
| **1718D6/T** | 150 | 6 | 5 | 017180123 |
| **1718D8/T** | 200 | 8 | 5 | 017180133 |
| **1718D10/T** | 250 | 10 | 5 | 017180143 |

## 1718A...T
second-cut triangular files, without handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1718A6/T | 150 | 6 | 5 | 017180023 |
| 1718A8/T | 200 | 8 | 5 | 017180033 |
| 1718A10/T | 250 | 10 | 5 | 017180043 |

## 1718D...P
rough flat files, without handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1718D6/P | 150 | 6 | 5 | 017180125 |
| 1718D8/P | 200 | 8 | 5 | 017180135 |
| 1718D10/P | 250 | 10 | 5 | 017180145 |

## 1718A...P
second-cut flat files, without handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1718A6/P | 150 | 6 | 5 | 017180025 |
| 1718A8/P | 200 | 8 | 5 | 017180035 |
| 1718A10/P | 250 | 10 | 5 | 017180045 |

## 1718D...M
rough half-round files, without handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1718D6/M | 150 | 6 | 5 | 017180127 |
| 1718D8/M | 200 | 8 | 5 | 017180137 |
| 1718D10/M | 250 | 10 | 5 | 017180147 |

## 1718A...M
rough half-round files, without handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1718A6/M | 150 | 6 | 5 | 017180027 |
| 1718A8/M | 200 | 8 | 5 | 017180037 |
| 1718A10/M | 250 | 10 | 5 | 017180047 |

## 1718D...R
rough round files, without handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1718D6/R | 150 | 6 | 5 | 017180129 |
| 1718D8/R | 200 | 8 | 5 | 017180139 |
| 1718D10/R | 250 | 10 | 5 | 017180149 |

## 1718A...R
second-cut round files, without handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1718A6/R | 150 | 6 | 5 | 017180029 |
| 1718A8/R | 200 | 8 | 5 | 017180039 |
| 1718A10/R | 250 | 10 | 5 | 017180049 |

## 1718D...S5
set of 5 rough files, without handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1718D6/S5 | 150 | 6 | 1 | 017180130 |
| 1718D8/S5 | 200 | 8 | 1 | 017180140 |
| 1718D10/S5 | 250 | 10 | 1 | 017180150 |

## 1718A...S5
set of 5 second-cut files, without handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1718A6/S5 | 150 | 6 | 1 | 017180030 |
| 1718A8/S5 | 200 | 8 | 1 | 017180040 |
| 1718A10/S5 | 250 | 10 | 1 | 017180050 |

## 1719BMD...Q
rough square files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMD6/Q | 150 | 6 | 5 | 017190191 |
| 1719BMD8/Q | 200 | 8 | 5 | 017190221 |
| 1719BMD10/Q | 250 | 10 | 5 | 017190241 |
| 1719BMD12/Q | 300 | 12 | 3 | 017190325 |

## 1719BMA...Q
second-cut square files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMA6/Q | 150 | 6 | 5 | 017190021 |
| 1719BMA8/Q | 200 | 8 | 5 | 017190052 |
| 1719BMA10/Q | 250 | 10 | 5 | 017190071 |
| 1719BMA12/Q | 300 | 12 | 3 | 017190311 |

## 1719BMX...Q
smooth square files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMX6/Q | 150 | 6 | 5 | 017190022 |
| 1719BMX8/Q | 200 | 8 | 5 | 017190053 |
| 1719BMX10/Q | 250 | 10 | 5 | 017190072 |

## 1719BMD...T
rough triangular files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMD6/T | 150 | 6 | 5 | 017190193 |
| 1719BMD8/T | 200 | 8 | 5 | 017190223 |
| 1719BMD10/T | 250 | 10 | 5 | 017190243 |
| 1719BMD12/T | 300 | 12 | 3 | 017190326 |

## 1719BMA...T
second-cut triangular files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMA6/T | 150 | 6 | 5 | 017190023 |
| 1719BMA8/T | 200 | 8 | 5 | 017190054 |
| 1719BMA10/T | 250 | 10 | 5 | 017190073 |
| 1719BMA12/T | 300 | 12 | 3 | 017190313 |

## 1719BMX...T
smooth triangular files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMX6/T | 150 | 6 | 5 | 017190024 |
| 1719BMX8/T | 200 | 8 | 5 | 017190055 |
| 1719BMX10/T | 250 | 10 | 5 | 017190074 |

## 1719BMD...P
rough flat files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMD6/P | 150 | 6 | 5 | 017190195 |
| 1719BMD8/P | 200 | 8 | 5 | 017190225 |
| 1719BMD10/P | 250 | 10 | 5 | 017190245 |
| 1719BMD12/P | 300 | 12 | 3 | 017190327 |

## 1719BMA...P
second-cut flat files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMA6/P | 150 | 6 | 5 | 017190025 |
| 1719BMA8/P | 200 | 8 | 5 | 017190056 |
| 1719BMA10/P | 250 | 10 | 5 | 017190075 |
| 1719BMA12/P | 300 | 12 | 3 | 017190315 |

## 1719BMX...P
smooth flat files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMX6/P | 150 | 6 | 5 | 017190026 |
| 1719BMX8/P | 200 | 8 | 5 | 017190057 |
| 1719BMX10/P | 250 | 10 | 5 | 017190076 |

## 1719BMD...M
rough half-round files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMD6/M | 150 | 6 | 5 | 017190197 |
| 1719BMD8/M | 200 | 8 | 5 | 017190227 |
| 1719BMD10/M | 250 | 10 | 5 | 017190247 |
| 1719BMD12/M | 300 | 12 | 3 | 017190328 |

## 1719BMA...M
second-cut half-round files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMA6/M | 150 | 6 | 5 | 017190027 |
| 1719BMA8/M | 200 | 8 | 5 | 017190058 |
| 1719BMA10/M | 250 | 10 | 5 | 017190077 |
| 1719BMA12/M | 300 | 12 | 3 | 017190317 |

## 1719BMX...M
smooth half-round files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMX6/M | 150 | 6 | 5 | 017190028 |
| 1719BMX8/M | 200 | 8 | 5 | 017190059 |
| 1719BMX10/M | 250 | 10 | 5 | 017190078 |

## 1719BMD...R
rough round files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMD6/R | 150 | 6 | 5 | 017190199 |
| 1719BMD8/R | 200 | 8 | 5 | 017190229 |
| 1719BMD10/R | 250 | 10 | 5 | 017190249 |
| 1719BMD12/R | 300 | 12 | 3 | 017190329 |

## 1719BMA...R
second-cut round files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMA6/R | 150 | 6 | 5 | 017190029 |
| 1719BMA8/R | 200 | 8 | 5 | 017190060 |
| 1719BMA10/R | 250 | 10 | 5 | 017190079 |
| 1719BMA12/R | 300 | 12 | 3 | 017190319 |

## 1719BMX...R
smooth round files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMX6/R | 150 | 6 | 5 | 017190031 |
| 1719BMX8/R | 200 | 8 | 5 | 017190061 |
| 1719BMX10/R | 250 | 10 | 5 | 017190081 |

## 1719BMA...B5
set of 5 second-cut files, with handles, in wallet

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMA8/B5 | 200 | 8 | 1 | 017190297 |
| 1719BMA10/B5 | 250 | 10 | 1 | 017190298 |

## 1719BMD...B5
set of 5 rough files, with handles, in wallet

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMD8/B5 | 200 | 8 | 1 | 017190303 |
| 1719BMD10/B5 | 250 | 10 | 1 | 017190305 |

## 1719BMD...S5
set of 5 rough files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMD6/S5 | 150 | 6 | 1 | 017190200 |
| 1719BMD8/S5 | 200 | 8 | 1 | 017190230 |
| 1719BMD10/S5 | 250 | 10 | 1 | 017190250 |
| 1719BMD12/S5 | 300 | 12 | 1 | 017190363 |

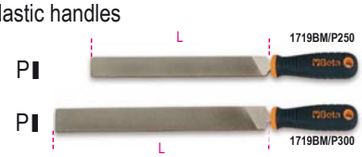
## 1719BMA...S5
set of 5 second-cut files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMA6/S5 | 150 | 6 | 1 | 017190030 |
| 1719BMA8/S5 | 200 | 8 | 1 | 017190070 |
| 1719BMA10/S5 | 250 | 10 | 1 | 017190080 |
| 1719BMA12/S5 | 300 | 12 | 1 | 017190361 |

## 1719BMX...S5
set of 5 smooth files, with handles

| | L mm | L " | | |
|---|---|---|---|---|
| 1719BMX6/S5 | 150 | 6 | 1 | 017190032 |
| 1719BMX8/S5 | 200 | 8 | 1 | 017190069 |
| 1719BMX10/S5 | 250 | 10 | 1 | 017190082 |

## 1719BMB/P
universal cut flat files, plastic handles




| L mm | L " | | |
|---|---|---|---|
| 250 | 10 | 5 | 017190152 |
| 300 | 12 | 5 | 017190153 |

## 1719BMC
half-round and flat files,
plastic handles

UNI 5569 - UNI 5568

| | L mm | L " | | |
|---|---|---|---|---|
| **1719BMC/M 250** | 250 | 10 | 6 | 017190252 |
| **1719BMC/M 300** | 300 | 12 | 4 | 017190253 |
| **1719BMC/P 250** | 250 | 10 | 6 | 017190262 |
| **1719BMC/P 300** | 300 | 12 | 4 | 017190263 |

## 1719BM/RR
round rasp,
plastic handle

| | L mm | L " | | |
|---|---|---|---|---|
| **1719BM/RR** | 200 | 8 | 5 | 017190351 |

## 1719BM/RL
flat rasp file,
plastic handle

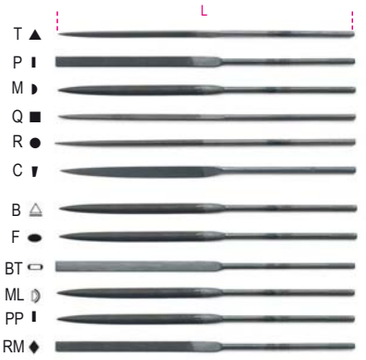
| | L mm | L " | | |
|---|---|---|---|---|
| **1719BM/RL** | 200 | 8 | 5 | 017190360 |

## 1719BMR
handles for files

| | L mm | A mm | | |
|---|---|---|---|---|
| **1719BMR/0** | 95 | 25 | 10 | 017190950 |
| **1719BMR/0B** | 110 | 29 | 10 | 017190955 |
| **1719BMR/1** | 110 | 29 | 10 | 017190951 |
| **1719BMR/1B** | 110 | 29 | 10 | 017190953 |
| **1719BMR/2** | 123 | 31 | 10 | 017190952 |
| **1719BMR/2B** | 123 | 31 | 10 | 017190954 |

| | mm | " | |
|---|---|---|---|
| **1719BMR/0** | 100/150 | 4/6 | ▲▮◗ |
| **1719BMR/0B** | 100/150 | 4/6 | ■● |
| **1719BMR/1** | 150/200 | 6/8 | ▲▮◗ |
| **1719BMR/1B** | 150/200 | 6/8 | ■● |
| **1719BMR/2** | 250/300 | 10/12 | ▲▮◗ |
| **1719BMR/2B** | 250/300 | 10/12 | ■● |

## 1720/...
second cut needle files,
shaft Ø 3 mm




UNI 5569 UNI 5670

| | L mm | | |
|---|---|---|---|
| **1720T** | 160 | 5 | 017200004 |
| **1720P** | 160 | 5 | 017200006 |
| **1720M** | 160 | 5 | 017200008 |
| **1720Q** | 160 | 5 | 017200009 |
| **1720R** | 160 | 5 | 017200010 |
| **1720C** | 160 | 5 | 017200012 |
| **1720B** | 160 | 5 | 017200005 |
| **1720ML** | 160 | 5 | 017200007 |
| **1720BT** | 160 | 5 | 017200011 |
| **1720F** | 160 | 5 | 017200013 |
| **1720PP** | 160 | 5 | 017200014 |
| **1720RM** | 160 | 5 | 017200015 |

| | | |
|---|---|---|
| **1720/S3** | 1 | 017200000 |

## 1720/B
set of 6 needle files in plastic wallet

| | | |
|---|---|---|
| **1720/B6** | 1 | 017200002 |
| **1720/B12** | 1 | 017200003 |

## 1720D/...
diamond needle files
grit D126

| | L mm | | |
|---|---|---|---|
| **1720D/T** | 160 | 2 | 017200104 |
| **1720D/P** | 160 | 2 | 017200106 |
| **1720D/M** | 160 | 2 | 017200108 |
| **1720D/Q** | 160 | 2 | 017200109 |
| **1720D/R** | 160 | 2 | 017200110 |
| **1720D/C** | 160 | 2 | 017200112 |

| | | |
|---|---|---|
| **1720D/B6** | 1 | 017200120 |

## 1721/B6
set of 6 files for ignition contacts
in plastic wallet

| | | |
|---|---|---|
| **1721/B6** | 1 | 017210010 |

## 1723
spring puller

| | L mm | | |
|---|---|---|---|
| **1723** | 210 | 5 | 017230001 |

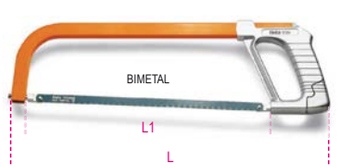
## 1725
hacksaw frame

| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1725** | 420 | 300 | 4 | 017250001 |

## 1725CR
mini hacksaw frame

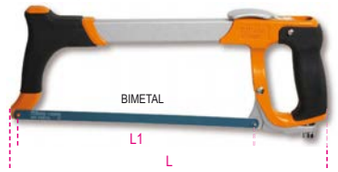
| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1725CR** | 250 | 150 | 5 | 017250010 |

## 1726
hacksaw frame, blade attachment
system in the handle



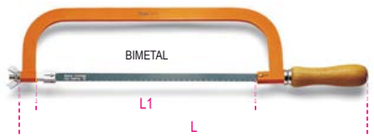

| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1726** | 440 | 300 | 4 | 017260001 |

## 1726BM
hacksaw frame with quick release blade attachment system




| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1726BM** | 400 | 300 | 1 | 017260050 |

## 1727
hacksaw frame, heavy series

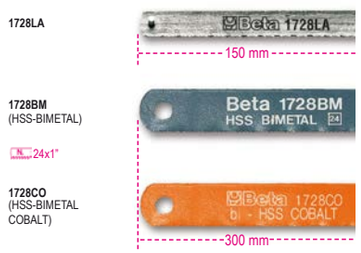



| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1727** | 515 | 300 | 4 | 017270001 |

## 1727BM
hacksaw frame, one hand grip

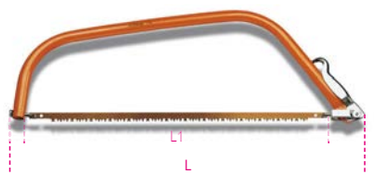
| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1727BM** | 315 | 300 | 5 | 017270020 |

## 1728...
blades for hacksaw frames




| | | | |
|---|---|---|---|
| **1728LA**<br>1725CR<br>1725MQ | | 100 | 017280001 |
| **1728BM**<br>1725-1726<br>1727-1727M | | 100 | 017280010 |
| **1728CO**<br>1725-1726<br>1727-1727M | | 50 | 017280030 |

## 1729
fixed frame hacksaw




| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1729** | 710 | 610 | 5 | 017290001 |

## 1729LR
spare blade for item 1729

| | | | |
|---|---|---|---|
| **1729LR** | | 10 | 017290010 |

## 1729CG
plasterboard saw

| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1729CG** | 310 | 160 | 2 | 017290200 |

## 1729DM 450
wood rip saw

**medium toothing, 12 teeth/inch**

| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1729DM 450** | 450 | 400 | 4 | 017290450 |

## 1730
universal spatulas, with stainless steel blades and handles

| S mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **38** | 210 | 85 | 2 | 017300038 |
| **63** | 220 | 95 | 2 | 017300063 |
| **75** | 220 | 95 | 2 | 017300075 |
| **100** | 220 | 95 | 2 | 017300100 |

## 1730M
mixer spatulas, with stainless steel blades and handles

| L1 mm | L mm | S mm | | |
|---|---|---|---|---|
| **150** | 245 | 27 | 2 | 017300215 |
| **200** | 330 | 28 | 2 | 017300220 |
| **250** | 365 | 36 | 2 | 017300225 |

## 1730V 38
glazier's spatula, knife blade made from stainless steel

| S mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **38** | 225 | 100 | 2 | 017300338 |

## 1736A
file brush stainless steel wires, wire Ø: 0.5 mm

| | L mm | | |
|---|---|---|---|
| **1736A** | 240 | 10 | 017360010 |

## 1737
brush, corrugated brass wires, wire Ø: 0.2 mm

| | L mm | | |
|---|---|---|---|
| **1737** | 145 | 10 | 017370001 |

## 1737NX
brake shoe cleaning brush, brassed steel wires, wire Ø: 0.3 mm

| | L mm | | |
|---|---|---|---|
| **1737NX** | 270 | 5 | 017370010 |

## 1737AC
steel wire brush, 5 rows, wire Ø: 0.3 mm

| | L mm | | |
|---|---|---|---|
| **1737AC** | 275 | 5 | 017370020 |

## 1737B

pairs of vehicle battery lug and post cleaner steel brushes, steel wire
wire Ø: 0.3 mm

| | | |
|---|---|---|
| 1737B | 1 | 017370050 |

## 1738

bristle brush

| | L mm | H mm | | |
|---|---|---|---|---|
| 1738 | 210 | 30 | 10 | 017380001 |

## 1739B

lazy tongs riveter, supplied with 5 interchangeable nozzles

| Ø mm | 3,2 | 4 | 4,8 | 5 | 6 | 6,4 |
|---|---|---|---|---|---|---|
| Aluminium | • | • | • | • | • | • |
| Stainless steel | • | • | • | • | | |

| | | |
|---|---|---|
| 1739B | 1 | 017390151 |

## 1740A

heavy duty riveting pliers supplied with 5 interchangeable nozzles

| Ø mm | 3,2 | 4 | 4,8 | 5 | 6 | 6,4 |
|---|---|---|---|---|---|---|
| Aluminium | • | • | • | • | • | • |
| Stainless steel | • | • | • | • | | |

| | | |
|---|---|---|
| 1740A | 1 | 017400101 |

## 1740B

compact heavy-duty riveting pliers, supplied with 5 interchangeable nozzles

| Ø mm | 2,4 | 3 | 3,2 | 3,2 | 4,8 |
|---|---|---|---|---|---|
| Aluminium | • | • | • | • | • |
| Steel | • | • | • | • | • |
| Stainless steel | • | • | • | • | • |

| | L mm | | |
|---|---|---|---|
| 1740B 280 | 280 | 1 | 017400280 |

| Ø mm | 2,4 | 3,2 | 4,0 | 4,8 | 6,4 |
|---|---|---|---|---|---|
| Aluminium | • | • | • | • | • |
| Steel | • | • | • | • | • |
| Stainless steel | • | • | • | • | • |

| | L mm | | |
|---|---|---|---|
| 1740B 330 | 330 | 1 | 017400330 |

## 1741B

riveting pliers supplied with 4 interchangeable nozzles

| Ø mm | 2,4 | 3,2 | 4 | 4,8 | 5 |
|---|---|---|---|---|---|
| Aluminium | • | • | • | • | • |
| Steel | • | • | • | • | • |
| Stainless steel | • | • | • | | |

| | | |
|---|---|---|
| 1741B | 1 | 017410000 |

## 1741B/C5

riveting pliers item 1741B with assortment of 700 aluminium rivets

| | | |
|---|---|---|
| 1741B/C5 | 1 | 017410025 |

| | Ø mm | L mm | n. |
|---|---|---|---|
| 1741RV2,9K | 3,0 | 6 | 200 |
| 1741RV3,2K | 3,2 | 8 | 200 |
| 1741RV3,8K | 4,0 | 10 | 100 |
| 1741RV4K | 4,0 | 12 | 100 |
| 1741RV4,8K | 4,8 | 12 | 100 |

415x155x60 mm - 3,1 Kg

## 1741BP

riveting pliers supplied with 4 interchangeable nozzles

| Ø mm | 2,4 | 3,2 | 4 | 4,8 | 5 |
|---|---|---|---|---|---|
| Aluminium | • | • | • | • | • |
| Steel | • | • | • | • | • |
| Stainless steel | • | • | • | • | • |

| | | |
|---|---|---|
| 1741BP | 1 | 017410350 |

## 1741U

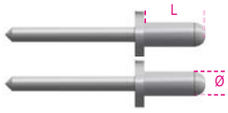
ultra compact riveting pliers with adjustable force
with 4 interchangeable nozzles
**3 legs: enhanced rivet hold**

| Ø mm | 2,4 | 3 | 3,2 | 4 | 4,8 |
|---|---|---|---|---|---|
| Aluminium | • | • | • | • | • |
| Steel | • | • | • | • | |
| Stainless steel | • | • | • | • | |

| | | |
|---|---|---|
| 1741U | 1 | 017410450 |

## 1741RV...K

aluminium rivets




| | | |
|---|---|---|
| **1741RV 2,9K**<br>ØxL = 3x6 mm | 1 | 017410191 |
| **1741RV 3,2K**<br>ØxL = 3,2x8 mm | 1 | 017410192 |
| **1741RV 3,8K**<br>ØxL = 4x10 mm | 1 | 017410193 |
| **1741RV 4K**<br>ØxL = 4x12 mm | 1 | 017410194 |
| **1741RV 4,8K**<br>ØxL = 4,8x12 mm | 1 | 017410195 |

## 1742

riveting pliers for threaded rivets, with 4 interchangeable mandrels ( 1x M3;M4;M5;M6)

| | | |
|---|---|---|
| **1742** | 1 | 017420001 |

| M | Ø mm | L mm |
|---|---|---|
| 3 | 5 | 11 |
| 4 | 6 | 11 |
| 5 | 7 | 13 |
| 6 | 9 | 17 |

## 1742KR

spare mandrels for item 1742

| | | |
|---|---|---|
| **M3** | 1 | 017420043 |
| **M4** | 1 | 017420044 |
| **M5** | 1 | 017420045 |
| **M6** | 1 | 017420046 |

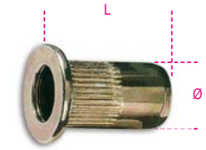
## 1742R-AL/M...

aluminium threaded rivets for items 1742-1742A-1946KF

| | | |
|---|---|---|
| **1742R-AL M3**<br>ØxL = 5x10 mm<br>M = 3 | 1 | 017420023 |
| **1742R-AL M4**<br>ØxL = 6x12 mm<br>M = 4 | 1 | 017420024 |
| **1742R-AL M5**<br>ØxL = 7x13 mm<br>M = 5 | 1 | 017420025 |
| **1742R-AL M6**<br>ØxL = 9x15 mm<br>M = 6 | 1 | 017420026 |

## 1742R-A/M...

steel threaded rivets for items 1742-1742A-1946KF




| | | |
|---|---|---|
| **1742R-A M3**<br>ØxL = 5x11 mm<br>M = 3 | 1 | 017420013 |
| **1742R-A M4**<br>ØxL = 6x11 mm<br>M = 4 | 1 | 017420014 |
| **1742R-A M5**<br>ØxL = 7x13 mm<br>M = 5 | 1 | 017420015 |
| **1742R-A M6**<br>ØxL = 9x17 mm<br>M = 6 | 1 | 017420016 |
| • **1742R-A M8**<br>ØxL=11x17 mm<br>M=8 | 1 | 017420018 |
| • **1742R-A M10**<br>ØxL=13x24 mm<br>M=10 | 1 | 017420020 |

## 1742/C4

riveting pliers item 1742 with assortment of 400 threaded steel insets

| | | |
|---|---|---|
| **1742/C4** | 1 | 017420005 |

| | M | Ø mm | n. |
|---|---|---|---|
| **1742R-A/M3** | 3 | 5 | 100 |
| **1742R-A/M4** | 4 | 6 | 100 |
| **1742R-A/M5** | 5 | 7 | 100 |
| **1742R-A/M6** | 6 | 9 | 100 |

415x155x60 mm - 2,9 kg

## 1742A

heavy duty riveting pliers for threaded insets, with 4 interchangeable mandrels

| | | |
|---|---|---|
| **1742A** | 1 | 017420100 |

| M | Ø mm | L mm |
|---|---|---|
| 5 | 7 | 13 |
| 6 | 9 | 17 |
| 8 | 11 | 17 |
| 10 | 13 | 24 |

## 1742A/KR

spare pins for item 1742A

| | | | |
|---|---|---|---|
| **1742A/KR M5** | M5 | 1 | 017420143 |
| **1742A/KR M6** | M6 | 1 | 017420144 |
| **1742A/KR M8** | M8 | 1 | 017420145 |
| **1742A/KR M10** | M10 | 1 | 017420146 |

## 1742A/C

riveting pliers item 1742A with assortment of 60 threaded steel inserts

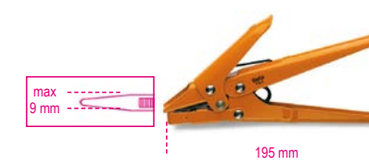
| | | |
|---|---|---|
| **1742A/C** | 1 | 017420105 |

| | M | Ø mm | n. |
|---|---|---|---|
| **1742R-A/M5** | 5 | 7 | 20 |
| **1742R-A/M6** | 6 | 9 | 20 |
| **1742R-A/M8** | 8 | 11 | 10 |
| **1742R-A/M10** | 10 | 13 | 10 |

536x310x80 mm - 2,1 kg

## 1743

fitting tool for nylon ties




| | | |
|---|---|---|
| **1743** | 1 | 017430001 |

## 1743T

cable tie cutting tool

• **Also suitable for cutting small cables (3x1.5mm²; 1x17mm² )**

| | | |
|---|---|---|
| **1743T** | 1 | 017430100 |

## 1749
bonding gun varnished metal sheet

| | L min mm | | |
|---|---|---|---|
| **1749** | 340 | 2 | 017490001 |

## 1749A
bonding gun, professional model aluminium tube

| | L min mm | | |
|---|---|---|---|
| **1749A** | 360 | 1 | 017490010 |

## 1749A/RB
spare spouts for item 1749A

| | | |
|---|---|---|
| **1749A/RB** | 2 | 017490051 |

## 1749A/RT
front screw plugs for item 1749A

| | | |
|---|---|---|
| **1749A/RT** | 1 | 017490052 |

## 1749AC
high thrust gun for chemical binders

| | L min mm | | |
|---|---|---|---|
| **1749AC** | 360 | 1 | 017490005 |

## 1750
lever operated grease guns

**Can be used with cartridges 1750CG or loose grease**

**1 g, 550 bar Max**

| 1750CG cc | cc | L mm | | |
|---|---|---|---|---|
| **400** | 500 | 380 | 1 | 017500500 |
| **600** | 750 | 450 | 1 | 017500750 |

## 1750R/1 - 1750R/2
spare flexible hose made from nylon

| | L mm | | |
|---|---|---|---|
| **1750R/1** | 310 | 2 | 017500030 |
| **1750R/2** | 410 | 2 | 017500040 |

## 1750RC
curved rigid hose

| | L mm | M mm | | |
|---|---|---|---|---|
| **1750RC** | 150 | 10x1 | 2 | 017500050 |

## 1750RT
4-jaw grease fitting “Hydraulic” type

| | M mm | | |
|---|---|---|---|
| **1750RT** | 10x1 | 5 | 017500110 |

## 1750RP/1 - 1750RP/2
heads for flat nozzles

| | Ø mm | M mm | | |
|---|---|---|---|---|
| **1750RP/1** | 16 | 10x1 | 2 | 017500115 |
| **1750RP/2** | 22 | 10x1 | 2 | 017500120 |

## 1750CG
grease cartridges for item 1750

| cc | | |
|---|---|---|
| **400** | 18 | 017500140 |
| **600** | 18 | 017500160 |

## 1750KG10
lever-operated grease gun, 10 kg, with high-pressure hose, 2 m

**complete with swivel fitting, to avoid choking hose**
**die-cast aluminium pump body with check valve**

**3 different pressure levels available:**
**-4 g at 275 bar**
**-7 g at 206 bar**
**-9 g at 137 bar**

| | | |
|---|---|---|
| **1750KG10** | 1 | 017500100 |

## 1750TA
high-pressure, self-locking 6-pin grease nozzle

**Once positioned, it remains on axis and connected to nipple; it does not have to be held like common nozzles**
**Easy to disconnect, even when with pressurized nozzle**
**Thread M10x1: suitable for all types of grease guns: electric, pneumatic, manual etc.**
**Deformation-free up to 550 bar**

| | | |
|---|---|---|
| **1750TA** | 1 | 017500111 |

## 1750TLA
high-pressure, self-locking 6-pin grease nozzle, long version

- **Once positioned, it remains on axis and connected to nipple**
- **Easy to disconnect, even with pressurized nozzle**
- **Thread M10x1: suitable for all types of grease guns: electric, pneumatic, manual etc.**
- **Deformation-free up to 550 bar**

| | | |
|---|---|---|
| **1750TLA** | 1 | 017500112 |

## 1750M
mini grease gun

- With micro nozzle
- Particularly suitable for pneumatic tools

| | cc | D mm | L mm | | |
|---|---|---|---|---|---|
| **1750M** | 100 | 43 | 145 | 1 | 017500025 |

## 1750M3
mini grease gun, with 3 nozzles

- fitted with three interchangeable nozzles: 0.7 - 1.0 - 1.4 mm
- particularly suitable for lubricating pneumatic tools
- can be used with loose grease

| | cc | Ø mm | L mm | | |
|---|---|---|---|---|---|
| **1750M3** | 85 | 42 | 160 | 1 | 017500003 |

## 1751
metal pressure oil cans flexible spout

| cc | D mm | L mm | | |
|---|---|---|---|---|
| **200** | 62 | 140 | 4 | 017510002 |
| **300** | 75 | 140 | 4 | 017510003 |
| **500** | 85 | 140 | 4 | 017510005 |
| **750** | 100 | 140 | 2 | 017510007 |
| **1000** | 100 | 140 | 2 | 017510011 |

## 1751R
spare spout for item 1751

| cc | | |
|---|---|---|
| **200÷1000** | 5 | 017510010 |

## 1752
plastic pressure cans rigid spouts

| cc | D mm | L mm | | |
|---|---|---|---|---|
| **200** | 67 | 140 | 4 | 017520002 |
| **300** | 77 | 140 | 4 | 017520003 |
| **500** | 95 | 140 | 4 | 017520005 |
| **700** | 95 | 140 | 2 | 017520007 |

## 1752R
spare spout for item 1752

| cc | | |
|---|---|---|
| **200÷700** | 5 | 017520020 |

## 1753
plastic pressure oil cans flexible spouts

| cc | D mm | L mm | | |
|---|---|---|---|---|
| **200** | 65 | 190 | 4 | 017530002 |
| **300** | 80 | 190 | 4 | 017530003 |
| **500** | 95 | 190 | 4 | 017530005 |
| **700** | 95 | 190 | 2 | 017530007 |

## 1753R
spare spout for item 1753

| cc | | |
|---|---|---|
| **200÷700** | 5 | 017530020 |

## 1754
plastic pressure oil cans flexible plastic spouts

| cc | D mm | L mm | | |
|---|---|---|---|---|
| **150** | 60 | 130 | 5 | 017540015 |
| **250** | 65 | 130 | 5 | 017540025 |

## 1755
plastic oil bottles retractable spouts

| cc | L mm | A mm | | |
|---|---|---|---|---|
| **30** | 160 | 30 | 5 | 017550003 |
| **80** | 170 | 47 | 5 | 017550008 |
| **150** | 230 | 58 | 5 | 017550015 |

## 1756
pen oiler

| cc | L mm | | |
|---|---|---|---|
| **5** | 140 | 2 | 017560001 |

## 1756B
pen oiler

- Operating temperature: -10°C - +60 °C

| cc | L mm | | |
|---|---|---|---|
| **500** | 280 | 2 | 017560220 |

## 1756C

suction gun, 200 ml,
made of polypropylene

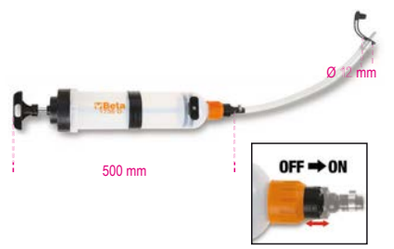
- **Also suitable for braking system fluid**
- **Double EPDM gasket**
- **Operating temperature: +0 - +50 °C**
- **NOT suitable for fuel**

| | | |
|---|---|---|
| **1756C** | 1 | 017560502 |

## 1756D

suction gun, 1500 ml,
made of polypropylene

- **Double NBR gasket**
- **Operating temperature: +0 - +50 °C**
- **NOT suitable for fuel**




| | | |
|---|---|---|
| **1756D** | 1 | 017560515 |

## 1756G

diesel oil gun
capacity: 1.5 l

Can be used to:
- fill diesel oil filters
- fill Cerina tank

**Kit contents:**
- 2 pipes with female quick couplings for connecting diesel oil pipes
- 2 male quick couplings, made of metal
- 1 cone-shaped adapter for rubber pipes

| | | |
|---|---|---|
| **1756G** | 1 | 017560615 |

## 1756C-2OR

O-rings (pair) for suction guns 1756C

| | | |
|---|---|---|
| **1756C-2OR** | 1 | 017560503 |

## 1756D-2OR

O-rings (pair) for suction guns 1756D

| | | |
|---|---|---|
| **1756D-2OR** | 1 | 017560516 |

## 1757

battery fillers

| cc | D mm | | |
|---|---|---|---|
| **250** | 60 | 4 | 017570002 |
| **500** | 75 | 4 | 017570004 |
| **1000** | 90 | 2 | 017570006 |

## 1757A

battery filler

| cc | | |
|---|---|---|
| **2000** | 1 | 017570020 |

## 1758

self-adapting funnel

**particularly useful for cars with no depth in inlet plugs**

| | | |
|---|---|---|
| **1758** | 1 | 017580020 |

## 1758ADB-D

non-return funnel for AdBlue®,
with straight coupling

| | l Max | | |
|---|---|---|---|
| **1758 ADB-D** | 1 | 1 | 017580050 |

## 1758ADB-45°

non-return funnel for AdBlue®,
with 45° coupling

| | l Max | | |
|---|---|---|---|
| **1758 ADB-45°** | 1 | 1 | 017580060 |

## 1758A

non-return funnel
with quick coupling, Ø 38 mm

**For Volkswagen group cars**

| | | |
|---|---|---|
| **1758A** | 1 | 017580010 |

## 1758B

non-return funnel
with quick couplings

**Particularly suitable for VAG cars**

| | | |
|---|---|---|
| **1758B** | 1 | 017580030 |

## 1758B-RNT

non-return quick coupling
for funnel item 1758B

**for Renault 1.5 dCi engine**

| | | |
|---|---|---|
| **1758B-RNT** | 1 | 017580035 |

## 1758B/K5

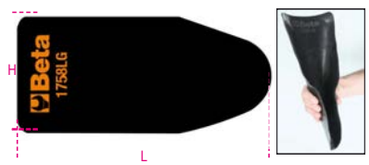
kit of non-return quick coupling adapters, for funnel 1758B

**Kit contents:**
- 1 adapter for 1.5 dCi Renault, Dacia, Nissan engines
- 1 adapter for 1.5/1.6 dCi Renault, Dacia, Nissan engines
- 1 adapter for 3.0 BMW diesel engines
- 1 adapter for 1.5/2.0 petrol engines, VAG group
- 1 connecting adapter for funnel, with tap

| | | |
|---|---|---|
| **1758B/K5** | 1 | 017580040 |

## 1758LG

formable, rubber-covered aluminium foil, for canalizing liquids




| L mm | H mm | | |
|---|---|---|---|
| **365** | 168 | 1 | 017580006 |

## 1758M

funnel

| | L mm | | |
|---|---|---|---|
| **1758M** | 350 | 1 | 017580000 |

## 1758R

liquid containers

**Convenient, removable, flexible spout**

| | lt | | |
|---|---|---|---|
| **1758R 1** | 1 | 1 | 017580201 |
| **1758R 2** | 2 | 1 | 017580202 |
| **1758R 3** | 3 | 1 | 017580203 |
| **1758R 5** | 5 | 1 | 017580205 |

## 1758VT

cylinder head testing kit

**Quickly indicates whether expansion tank contains any carbon dioxide.**

| | | |
|---|---|---|
| **1758VT** | 1 | 017580100 |

290x190x50 mm - 1kg

## 1758VT/L

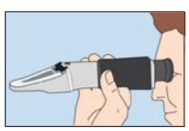
contrast liquid for testing cylinder heads

| | | |
|---|---|---|
| **1758VT/L** | 1 | 017580101 |

## 1759

optical analyzer for coolant, battery, windscreen and AdBlue® fluids
Supplied in a hard case

Automatic temperature compensation
Battery acid: measurement range:
1.1÷1.3 kg/l
Propylene coolant: -25 °C ÷ -50 °C
Ethylene coolant: -25 °C ÷ -50 °C
Windscreen fluid: -25 °C ÷ -40 °C
AdBlue: Urea percent measurement: 30% ÷ 45%



| | | |
|---|---|---|
| **1759** | 1 | 017590251 |

## 1759A

antifreeze densimeter, glass body

| L mm | | |
|---|---|---|
| **1759A** 340 | 1 | 017590001 |

## 1759B

acid densimeter, glass body

| L mm | | |
|---|---|---|
| **1759B** 280 | 1 | 017590005 |

## 1759HD/3

cooling system seal testing and circuit filling tools

- **Make it possible to check circuit (pipes, joints, pumps, radiators) for leaks under pressure and quickly fill circuit, avoiding air bubble formation**

| | | |
|---|---|---|
| **1759HD/3** | 1 | 017590063 |

600x500x140 mm - 6,5 kg

## 1759HD/RR
cooling system filling tool

| | | |
|---|---|---|
| 1759HD/RR | 1 | 017590064 |

450x310x110 mm - 2,2 kg

## 1759HD/TRUCK
truck cooling system testing and sealing tool

| | | |
|---|---|---|
| 1759HD/TRUCK | 1 | 017590065 |

440x330x100 mm - 3 kg

## 1759TT
kit of 4 pairs of turbo circuit testing caps, for use with tyre inflators

| | | |
|---|---|---|
| 1759TT | 1 | 017590300 |

400x160x100 mm - 1,8 kg

## CERTIFICATION SERVICE FOR ELECTRONIC INSTRUMENTS

Certification of such electronic measuring instruments as Multimeters, Amperometric Clamps, **Tachometers** and **Thermometers** is essential in the sectors or fields of application where precise, unambiguous, recognizable measurements are required.

For infrared thermometers, a 4-point calibration report (minimum, maximum and two intermediate points) with ENAC traceability is issued.

**On request, Beta Utensili S.p.A. provides the certification service. To receive this service, please contact your dealer.**

## 1760DGT
digital automotive multimeter

**Technical Data:**
- **RPM (tachometer):**

For 2 and 4 cylinder engines
RPM4 600 - 4000 RPM
RPM4 600 - 12000 RPM (x10 RPM)
RPM2/DIS 300 - 4000 RPM
RPM2/DIS 300 - 6000 RPM (x10 RPM)
- **Dwell angle:** 4-8 CYL
- **DC voltage:** 400mV-4/40/400/1000V
- **AC voltage:** 4/40/400/700V
- **DC current:** 40/400mA-4/20A
- **AC current:** 40/400mA-4/20A
- **Resistance:** 400Ω-4/40/400kΩ-4/40MΩ
- **Capacity:** 40/400nF-4/40/100µF
- **Frequency:** 5/50/500Hz-50/500-10MHz
- **Duty cycle:** 0.1 % - 99.9%
- **Pulse amplitude:** 1 - 10ms
- **Diode test:** Test current 0.3mA
- **Continuity:** <150Ω - Test current <0.3mA
- **Display:** High-contrast, backlit 4-digit LCD
- **Overvoltage:** Category II 1000V
- **Auto power off:** 30 minutes
- **Power supply:** 1 9V battery (included)
- **Inductive clamp (included)**
- **2 tips (included)**
- **Soft cloth case (included)**
- **Operating manual**

| | | |
|---|---|---|
| 1760DGT | 1 | 017600005 |

## 1760DGT/2

digital automotive multimeter, portable, with 2-channel oscilloscope and waveform generator

**Kit Contents:**
- Multimeter tips
- 2 BNC crocodile clips for oscilloscope
- Tip probe for oscilloscope (1X and 10X)
- Battery charger
- Nylon sheath

**Technical data:**
- Display: 2.8" colour TFT
- Resolution: 320 x 240 pixels
- Power supply: 100V-240V AC, 50Hz-60Hz; DC INPUT 5V DC-2A
- Battery: 2 x 2600 mAh
- Dimensions: 199 x 98 x 40 mm
- Weight: 624g

**Multimeter Specifications:**
- Test: Voltage, Current, Resistance, Capacity, Diodes and On-Off
- Max. voltage: 600V DC
- Max. current: 10A DC
- Max. resistance: 40MOHM
- Max. capacity: 100uF

**Oscilloscope Specifications:**
Horizontal
- Bandwidth: 40MHz
- Sampling frequency range: 250MSa/s (single channel) - 125MSa/s (double channel)
- SEC/DIV range: 5ns/div ÷ 500s/div 1,2,5 sequence

Vertical
- VOLTS/DIV range: 10mV/div÷10V/divat BNC input
- Selectable analogue, bandwidth limit, typical: 20MHz
- Low frequency response (-3db): ≤10Hz a BNC
- DC Gain Accuracy: ± 3% for Normal or Medium acquisition mode, 10V/div ÷ 10 mV/div

Trigger
- Type: Edge
- Mode: Auto, Normal, Single
- Slope: Rising, Falling, Rising, & Falling
- Source: CH1, CH2

Input
- Coupling: DC, AC or GND
- Supported probe attenuation factors: 1X, 10X, 100X, 1000X

**Arbitrary waveform generator**
- Waveform frequency: Sine (1Hz÷25MHz), Square (1Hz÷10MHz), Ramp (1Hz÷1MHz), EXP (1Hz÷5MHz)
- Width: 2.5Vpp (50Ω) - 5Vpp (high impedance)
- Output impedance: 50Ω

**Multimeter specifications:**
- Test: Voltage, Current, Resistance, Capacity, Diodes and On-Off
- Max. voltage: 600V DC
- Max. current: 10A DC
- Max. resistance: 40MOHM
- Max. capacity: 100uF

**1760DGT/2** 1 017600008

## 1760B

digital multimeter

**SPECIFICATIONS**
**DC voltage: 200 mV-2/20/200/1000V**
**AC voltage: 2-20/200/700V**
**DC current: 2/20/200 mA-20 A**
**AC current: 2/200 mA- 20 A**
**Resistance: 200Ω - 2/20/200 kΩ - 2/20 MΩ**
**Capacity: 2/20/200 nF - 2/200 µF**
**Temperature: -20° + 1000°C/ -4 °F ~ +2000°F**
**Frequency: 20kHz**
**Power supply: 1 9V battery (included)**

**1760B** 1 017600012

## 1760/OHM

multimeter/megohmmeter for high voltage insulation testing.
TRUE RMS indicator

CAT. IV 600V
CAT. III 1000V

| | | |
|---|---|---|
| **Measuring range** | **Base accuracy** | |
| **AC/DC voltage:** | 50mV - 1000V | ±0.06% - ±0.1% rdg |
| **AC/DC current:** | 0.01µA - 10A | ±0.5% - ±1% rdg |
| **Resistance:** | 0.01Ω - 50MΩ | ±0.2% - ±2% rdg |
| **Meg OHM:** | 0.01 - 5000MΩ | ±4% rdg. max |
| current 1mA | | |
| **Capacity:** | 5nF - 10mF | ±1.5% - ±3% rdg |
| **Frequency:** | 50Hz - 100 MHz | ±0.02% - ±0.1% rdg |
| **Temperature:** | -50 °C - +1350 °C | ±0.5% rdg |
| **Diode test:** | 3V dc | |
| **Continuity test:** | <30 Ω | |

**1760/OHM** 1 017600025

## 1760/RMS

industrial digital multimeter
accurate and sturdy, in a 6-mm co-moulded shell, with antislip, shockproof outer rubber part

**Technical Features:**

| Measuring range | Base accuracy |
|---|---|
| AC/DC voltage | 110mV - 600V ±0.8% - ±2% rdg |
| AC/DC current | 110µA - 10A ±1.5% - ±2% rdg |
| Resistance | 110Ω - 40MΩ ±1.2% - ±2.5% rdg |
| Capacity | 11nF - 40mF ±5% - ±10% rdg (up to 11mF) |
| Frequency | 1100Hz - 110 MHz ±1.2% - ±1.5% rdg |
| Temperature | -32°C - +1000°C ±3% - ±5% rdg |
| Diode test, 3V DC | ±10% rdg |
| Continuity test | <30 Ω - |

**1760/RMS** 1 017600020

## 1760PA/80

AC/DC amperometric clamp, 80A

Designed to measure low current leakage or absorption values on vehicles

- Range: 1mA-80A AC/DC
- Torch function with white LED
- Backlit LCD display
- Zero setting function
- Hold function
- Auto power off
- Power supply: 2 1.5V AAA-type batteries

**1760PA/80** 1 017600002

## 1760PA/AC

amperometric clamp and digital multi-meter

**A:** AC
**V:** AC/DC

**SPECIFICATIONS**
**DC voltage** 400 mV - 4/40/400/600 V
**AC voltage** 400 mV - 4/40/400/600 V
**AC current** 40/400/1000 A
**Resistance** 400Ω - 4/40/400 kΩ - 4/40 MΩ
**Frequency** 5/50/500 Hz - 5/50/500 kHz - 5/10 MHz
**Capacity** 40/400 nF - 4/40/100 µF
**Temperature** - 20 °C ÷ 1000 °C / -4 °F ÷ 1832 °F
**Power supply:** 1 9V battery (included)

| | L mm | | |
|---|---|---|---|
| 1760PA/AC | 190 | 1 | 017600050 |

## 1760PA/AC-DC

amperometric clamp and digital multimeter

**A:** AC/DC
**V:** AC/DC

A: AC/DC
V: AC/DC

**Specifications:**
• DC voltage: 0.1mV ÷ 600V
• AC voltage: 0.1mV ÷ 600V
• AC current: 0.01A ÷ 1000A
• DC current: 0.01A ÷ 1000A
• Resistance: 0.1Ω ÷ 40MΩ
• Capacity: 0.001nF ÷ 40 µF
• Frequency: 0.001kHz ÷ 4kHz
• Temperature: -40°C ÷ 1000 °C
-40°F ÷ 1832°F

| | | |
|---|---|---|
| 1760PA/AC-DC | 1 | 017600000 |

## 1760DGT-R3

spare leads for digital multimeters and amperometric clamps

| | | |
|---|---|---|
| 1760DGT-R3 | 1 | 017600603 |

## 1760/RSE

signal detector

Allows power supply of parts to be tested, including common rail electro-injectors, petrol/LPG electro-injectors, piezoelectric injectors, flow regulating solenoid valves, EGR solenoid valves and coils

Performing **diagnosis of individual parts of electric system** only requires probe to be brought near part being tested.
In systems with electromechanical/electronic parts controlled by a control unit, this tool makes it possible to check whether:
• Control unit is being supplied with power and is performing its control function
• Cables connecting control unit to part is efficient
• Part being tested has not being disconnected
• Part has not short-circuited
• Part is operating electronically

| | | |
|---|---|---|
| 1760/RSE | 1 | 017600170 |

## 1760/TC2

combination contact/non-contact digital tachometer

**TECHNICAL DATA**
• For measuring:
- non-contact rotational speed (rpm)
- contact rotational (rpm)
and linear surface speed (m/min or ft/min).
• 5-digit LCD display.
• Scale:
- non-contact speed 2.5÷99,999 rpm
- contact speed 0.5÷19,999 rpm
- linear surface speed 0.05÷1,999.9 m/min.
• Frequency: 0.8 sec.
• Power supply: 4 1.5V batteries, AA size, or 6V power supply unit (not included).
• Supplied with the following:
- adaptor for contact tip measurement;
- male (contact) rubber tip (2 pcs.);
- female (contact) rubber tip (1 pcs.);
- linear measurement tape (1 pcs.);
- reflecting tapes;
- instruction manual;
- plastic case.

| | L mm | H mm | | |
|---|---|---|---|---|
| 1760/TC2 | 230 | 74 | 1 | 017600161 |

## 1760R/TC2

set of reflecting tapes for item 1760/TC2

| | | |
|---|---|---|
| 1760R/TC2 | 1 | 017600561 |

## 1760K

non-contact AC voltage detector with LED mini-torch

Testing range: 200-1000Vac 50/60Hz
CAT III-1000V
Requires 2 AAA batteries (included)

CAT III-1000V

| | | |
|---|---|---|
| 1760K | 1 | 017600140 |

## 1760PT

combination voltage and continuity tester, 12-690V AC/DC

**Functions:**
- **continuity**
- **phase rotation**
- **mains testing**
- **LED torch**

IP64
CATIV - 600V ; CATIII - 1000V

| | | |
|---|---|---|
| **1760PT** | 1 | 017600150 |

## 1760/IR500

digital infrared thermometer with dual laser aiming system

**not suitable for measuring body temperature**

**Technical Data:**
- Temperature range: -50 ÷ 500 °C (-22 ÷ +932 °F)
- Display resolution: 0.1 °C (0,1 °F)
- Emissivity: 0.1 ÷ 1 adjustable
- Accuracy: -50 °C ÷ +20 °C (+/- 3 °C); 20 ÷ 500 °C (+/-2% or 2 °C)
- Optical resolution (D:S): 12:1
- Auto power off: ca. 10 seconds
- Operating temperature: 0 °C ÷ 50 °C
- Storage temperature: -20 °C ÷ 60 °C
- Power supply: 1 9V battery

| | | |
|---|---|---|
| **1760/IR500** | 1 | 017600350 |

## 1760/IR1000

digital infrared thermometer with dual laser aiming system

**not suitable for measuring body temperature**

TECHNICAL DATA
Temperature range: -50 °C ÷ ^1000 °C (-58 °F ÷ +1832 °F)
Display resolution: 0.1 °C (0.1 °F)
Emissivity: 0.1 ÷ 1 adjustable
Accuracy: -50 °C ÷ 20 °C (+/- 3.5 °C); 20 °C ÷ 300 °C (+/-1% or 1 °C); 300 °C ÷ 1000 °C (+/-1.5%)
Optical resolution (D:S): 20:1
Operating temperature: 0 °C ÷ 50 °C
Storage temperature: -10 °C ÷ 60 °C
Power supply: 2 1.5V (AAA type batteries)

| | | |
|---|---|---|
| **1760/IR1000** | 1 | 017600400 |

## 1760/IR1600

digital infrared thermometer with laser aiming system

**not suitable for measuring body temperature**

**TECHNICAL DATA**
**Range:** da -50 °C to +1600 °C / -58 °F to +2912 °F
**Scale selection:** °C/°F
**Accuracy:** ±1.5% or ±2 °C to 20 °C
**Laser power:** <1mW
**Response:** 1sec
**Emissivity:** 0.10-1.0 adjustable
**Distance ratio:** (D:S) 50:1
**Operating temperature:** 0 °C ÷ 50 °C / 32 °F ÷ 122 °F
**Operating humidity:** 10% to 90% RH
**Backlit LCD display**
**Data storage function**
**Auto power off**
**Power supply:** 1 9V battery (included)
**Hard case with aluminium tripod**
**Operating manual**

| | mm | mm | | |
|---|---|---|---|---|
| **1760/IR1600** | 200 | 115 | 1 | 017600461 |

## 1760TMC

infrared thermal camera

compact thermal camera for contactless temperature measurement, suitable for applications in building, mechanical, electric installation and heating industries

LCD TFT display, 2", 240x320
sensor, 32x32 pixels
acquisition frequency 7Hz
thermal sensitivity <347mK
automatic acquisition of hot and cold spots
camera for acquisition of images in BMP format (max. 100 images)
adjustable emissivity
power supply: 3 alkaline AAA batteries
USB interface
IP54
temperature range: -20 °C ÷ +600 °C
infrared band: 6.5÷14µm
visible/infrared image fusion: 0.5; 1; 2m
alarm function, selecting acceptable maximum and minimum temperatures

| | | |
|---|---|---|
| **1760TMC 600** | 1 | 017600710 |

## 1761

wire twisting pliers with automatic return

| L mm | | |
|---|---|---|
| **255** | 1 | 017610101 |

## 1761RS/1

reversible wire twisting pliers with automatic return

| L mm | | |
|---|---|---|
| **220** | 1 | 017610130 |

## 1762
revolving punch pliers

| Ø mm | L mm | | |
|---|---|---|---|
| 2-2,5-3<br>3,5-4-4,5 | 210 | 2 | 017620001 |

## 1763
car upholstery clip pliers

| | | |
|---|---|---|
| 1763 | 1 | 017630001 |

## 1763G/S500
500 car upholstery clips

| | | |
|---|---|---|
| 1763G/S500 | 1 | 017630105 |

## 1765/C24
cases with 24 tools
for pulling out car radios

| | | |
|---|---|---|
| 1765/C24 | 1 | 017650001 |

## 1766
double suction lifter

| max kg | | |
|---|---|---|
| 50 | 2 | 017660001 |

## 1766A
single suction cup

| max kg | | |
|---|---|---|
| 30 | 2 | 017660005 |

## 1766/8
assortment of 8 tools
for car glass windows

| | | |
|---|---|---|
| 1766/8 | 1 | 017660100 |

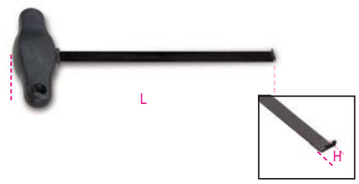
## 1766ER
window trim removal tool
with handle

**Allows window trims to be easily removed, with no risk of damage**

| | | |
|---|---|---|
| 1766ER | 1 | 017660501 |

## 1766ER/VW
low-profile window trim removal tool

**particularly suitable for VAG group window trims with reduced grip space**




| L mm | H mm | | |
|---|---|---|---|
| 215 | 4 | 1 | 017660510 |

## 1766L
lever for glass windows

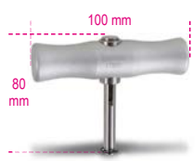
| | | |
|---|---|---|
| 1766L | 1 | 017660015 |

## 1766LI
lever for inserting car glass window cutting cable

**sharp edges for cutting bonds**

| | | |
|---|---|---|
| 1766LI | 1 | 017660016 |

## 1766I
handle for steel cable item 1766G




| | | |
|---|---|---|
| 1766I | 2 | 017660020 |

## 1766G
steel cable for car windows

**Square section**

| | | |
|---|---|---|
| 50 m | 1 | 017660025 |

## 1766T
steel cable for glass windows

**triangular section**

| | | |
|---|---|---|
| **50 m** | 1 | 017660026 |

## 1767A
telescopic rod

- **designed to support bonnets and tailgates with decompressed pistons.**
- **can be used to keep pedals from moving.**

| L mm | | |
|---|---|---|
| **640 ÷ 1090** | 1 | 017670000 |

## 1767B
pedal and steering wheel locking kit

**the trigger adjustment mechanism ensures accurate settings when keeping the vehicle accelerated**

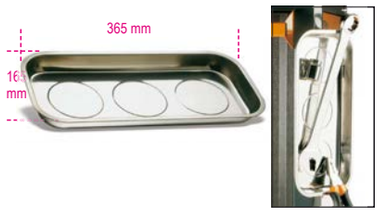
| | | |
|---|---|---|
| **1767B** | 1 | 017670100 |

490x285x95 mm - 2,4 kg

## 1767PMC
magnetic tool holder, round

| | | |
|---|---|---|
| **1767PMC** | 1 | 017670020 |

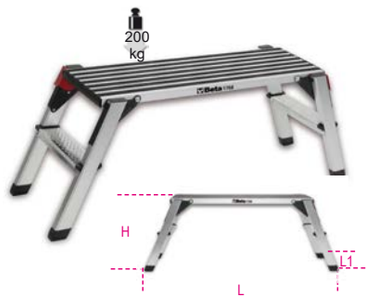
## 1767PMR
magnetic tool holder, rectangular




| | | |
|---|---|---|
| **1767PMR** | 1 | 017670010 |

## 1768
aluminium footboard

**surface coated with non-slip material**
**maximum carrying capacity: 200 kg**



| L mm | L1 mm | H mm | | |
|---|---|---|---|---|
| **960** | 300 | 475 | 1 | 017680010 |

## 1770
extra flat utility knife, 9 mm snap-off blade

| | L mm | A mm | | |
|---|---|---|---|---|
| **1770** | 140 | 9 | 10 | 017700001 |

## 1770A
utility knife 9 mm with automatic blade locking mechanism, 3 blades

| | L mm | A mm | | |
|---|---|---|---|---|
| **1770A** | 135 | 9 | 10 | 017700025 |

## 1770RL
9 mm snap-off blades 10 pieces for utility knives 1770, 1770BM and 1770A

| | | |
|---|---|---|
| **1770RL** | 5 | 017700010 |

## 1770BM
utility knife, 9 mm, 6 blades

| | L mm | A mm | | |
|---|---|---|---|---|
| **1770BM** | 140 | 9 | 10 | 017700050 |

## 1771
utility knife, 18 mm, supplied with 3 blades

| | | |
|---|---|---|
| **1771** | 10 | 017710000 |

## 1771BM
utility knife, 18 mm, 6 spare blades

| | L mm | A mm | | |
|---|---|---|---|---|
| **1771BM** | 170 | 18 | 10 | 017710050 |

## 1771HD
utility knife, 18 mm, supplied with 6 blades

- **automatic blade change**
- **screw blade locking system**

| | L mm | A mm | | |
|---|---|---|---|---|
| **1771HD** | 190 | 18 | 5 | 017710100 |

## 1771RL
18 mm snap-off spare blades (10 pieces) for utility knives 1771, 1771BM, 1771HD

| | | |
|---|---|---|
| **1771RL** | 5 | 017710010 |

## 1772M
safety utility knife with retractable blade, supplied with 3 blades

**blade retracts through an automatic spring mechanism**
- **die-cast alloy body**
- **staple remover built into handle**

| | L mm | A mm | | |
|---|---|---|---|---|
| **1772M** | 170 | 18 | 5 | 017720040 |

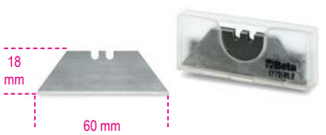
## 1772R
utility knife with retractable trapezoidal blade, supplied with 5 blades

| | L mm | A mm | | |
|---|---|---|---|---|
| **1772R** | 125 | 18 | 5 | 017720006 |

## 1772H
safety utility knife with retractable blade, supplied with 2 blades

| | L mm | A mm | | |
|---|---|---|---|---|
| **1772H** | 170 | 18 | 5 | 017720029 |

## 1772RL/2
10 long trapezoidal spare blades, in box, for utility knives, 1772H, 1772M, 1772R, 1774,1777BMT, 1777T




| | | |
|---|---|---|
| **1772RL/2** | 5 | 017720017 |

## 1773A
utility knife, 25 mm

| | L mm | A mm | | |
|---|---|---|---|---|
| **1773A** | 180 | 25 | 10 | 017730000 |

## 1773RL
25 mm blades (10 pieces) for utility knife 1773A

| | | |
|---|---|---|
| **1773RL** | 5 | 017730015 |

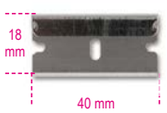
## 1774
multi-function scraper with blade guard

| | L mm | L1 mm | | |
|---|---|---|---|---|
| **1774** | 155 | 60 | 5 | 017740001 |

## 1774A
multifunction scraper, bi-material handle

| | L mm | A mm | | |
|---|---|---|---|---|
| **1774A** | 300 | 40 | 1 | 017740011 |

## 1774A/RL
10 blades for scrapers 1774A and 1774S




| | | |
|---|---|---|
| **1774A/RL** | 1 | 017740511 |

## 1774S
sticker removal scrapers

| | A mm | L mm | | |
|---|---|---|---|---|
| **1774S** | 40 | 100 | 1 | 017740021 |

## 1777BM
foldaway knife with wire stripping notch, stainless steel blade

| | L mm | L1 mm | A mm | | |
|---|---|---|---|---|---|
| **1777BM** | 190 | 80 | 16 | 5 | 017770100 |

## 1777T
foldaway knife with trapezoidal blade, aluminium handle, 5 spare blades

| | L mm | A mm | L1 mm | | |
|---|---|---|---|---|---|
| **1777T** | 160 | 19 | 65 | 5 | 017770030 |

## 1777BMT
foldaway knife with trapezoidal blade
4 adjustable blade depths
4; 9.5; 15.5; 21.5 mm
supplied with 3 blades

***NOT AVAILABLE IN THE UK, IRELAND AND USA***

| | L mm | L1 mm | A mm | | |
|---|---|---|---|---|---|
| **1777BMT** | 170 | 80 | 19 | 5 | 017770050 |

## 1778AN
foldaway knife,
stainless steel blade,
lightweight anodized aluminium handle
- in case

| | L mm | A mm | L1 mm | | |
|---|---|---|---|---|---|
| **1778AN** | 204 | 26 | 84 | 5 | 017780065 |

## 1778AX
foldaway knife,
stainless steel serrated blade,
aluminium handle,
serration pattern for easier opening
- in case

| | L mm | A mm | L1 mm | | |
|---|---|---|---|---|---|
| **1778AX** | 189 | 26 | 80 | 5 | 017780026 |

## 1778CM

camouflage foldaway knife,
hardened steel blade,
in case

| | L mm | A mm | L1 mm | | |
|---|---|---|---|---|---|
| **1778CM** | 195 | 24 | 80 | 5 | 017780099 |

## 1778D

foldaway knife,
stainless steel blade and handle,
in case

| | L mm | A mm | L1 mm | | |
|---|---|---|---|---|---|
| **1778D** | 180 | 22 | 78 | 5 | 017780060 |

## 1778M7

foldaway knife,
stainless steel mini blade,
handle with fibreglass inserts
• in case

| | L mm | A mm | L1 mm | | |
|---|---|---|---|---|---|
| **1778M7** | 163 | 24 | 68 | 5 | 017780015 |

## 1778P

foldaway knife,
stainless steel and aluminium blade and handle,
with push button opening mechanism
• in case

| | L mm | A mm | L1 mm | | |
|---|---|---|---|---|---|
| **1778P** | 193 | 29 | 72 | 5 | 017780088 |

## 1778SCL

foldaway knife with soft carbon look finish,
hardened steel blade,
in case

| | L mm | A mm | L1 mm | | |
|---|---|---|---|---|---|
| **1778SCL** | 180 | 22 | 78 | 5 | 017780089 |

## 1778SOS

car service knife
with window breaking hammer
and seat belt cutter features
in case

| | L mm | A mm | L1 mm | | |
|---|---|---|---|---|---|
| **1778SOS** | 205 | 25 | 85 | 5 | 017780080 |

## 1778U

foldaway knife,
hardened steel blade
• in case

| | L mm | A mm | L1 mm | | |
|---|---|---|---|---|---|
| **1778U** | 195 | 24 | 80 | 5 | 017780070 |

## 1778V18

foldaway knife,
aluminium handle
• in case

| | L mm | A mm | L1 mm | | |
|---|---|---|---|---|---|
| **1778V18** | 195 | 25 | 85 | 5 | 017780018 |

## 1778X

knives for nautical maintenance, stainless steel blades, aluminium handles
in case

| | L mm | L1 mm | A mm | | |
|---|---|---|---|---|---|
| **1778X** | 185 | 85 | 25 | 2 | 017780050 |

## 1781

slim, long blade scissors

| | L mm | | |
|---|---|---|---|
| **1781** | 132 | 2 | 017810001 |

## 1783

light duty scissors

| L mm | | |
|---|---|---|
| **215** | 5 | 017830021 |
| **240** | 5 | 017830024 |

## 1784

heavy duty scissors

| L mm | | |
|---|---|---|
| **175** | 2 | 017840017 |
| **200** | 2 | 017840020 |
| **250** | 2 | 017840025 |
| **300** | 2 | 017840030 |

## 1800/100
lifting airbags (max. lifting force: 100 kg )

- lifting/levelling
- locking doors

| A mm | B mm | S mm | | |
|---|---|---|---|---|
| **160** | 150 | 2÷55 | 3 | 018000000 |

## 1808
dual rating soldering iron with steel tips
1824R8

| W | V | | |
|---|---|---|---|
| **20/130** | 230 | 1 | 018080001 |

## 1812 150
instant heat soldering iron

| W | V | | |
|---|---|---|---|
| **150** | 230 | 1 | 018120015 |

## 1814M
soldering irons
with steel tips

| W | V | | |
|---|---|---|---|
| **25** | 230 | 1 | 018140225 |
| **30** | 230 | 1 | 018140230 |
| **40** | 230 | 1 | 018140240 |

## 1820
soldering irons

| | | |
|---|---|---|
| **1820 30**<br>30W<br>L = 210mm | 1 | 018200003 |
| **1820 60**<br>60W<br>L = 220mm | 1 | 018200006 |
| **1820 80**<br>80W<br>L = 260mm | 1 | 018200008 |

## 1822
high-performance soldering irons

| | | |
|---|---|---|
| **1822 120**<br>120W<br>LxA = 250x125 mm | 1 | 018220012 |
| **1822 180**<br>180W<br>LxA = 250x125mm | 1 | 018220018 |
| **1822 320**<br>320W<br>LxA = 250x140mm | 1 | 018220032 |

## 1823 60
digital soldering station
supplied with soldering iron

- Temperature range: 160 °C ÷ 480 °C with ±1% accuracy.
- Memory mode designed to save the temperature selected when switching off the station.
- 3 quick selection keys (200-300-400 °C).

| W | | |
|---|---|---|
| **60** | 1 | 018230060 |

## 1823R/60
spare soldering iron for item 1823 60

| | | |
|---|---|---|
| **1823R 60** | 1 | 018230066 |

## 1824R
spare tips for soldering irons

| | | |
|---|---|---|
| **1824R 08**<br>1808 | 1 | 018240100 |
| **1824R 12**<br>1812/150 | 1 | 018240301 |
| **1824R 14-M25**<br>1814M/25 | 1 | 018240152 |
| **1824R 14-M30**<br>1814M/30 | 1 | 018240153 |
| **1824R 14-M40**<br>1814M/40 | 1 | 018240154 |
| **1824R 20**<br>1820/30 | 1 | 018240302 |
| **1824R 60**<br>1820/60 | 1 | 018240303 |
| **1824R 80**<br>1820/80 | 1 | 018240304 |
| **1824R 120-180**<br>1822/120 -/180 | 1 | 018240305 |
| **1824R 320**<br>1822/320 | 1 | 018240307 |
| **1824R ST-60**<br>1823-60 | 1 | 018240308 |

## 1825B
soldering tin wire with antioxidant

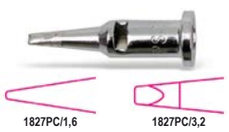
- 1 mm²; 250 g
- Sn 99.3%; Cu 0.7%

| | | |
|---|---|---|
| **1825B** | 1 | 018250251 |

## 1827
gas soldering iron, adjustable

| | | |
|---|---|---|
| **1827** | 1 | 018270001 |

## 1827PC
spare conical tips for item 1827




| | | |
|---|---|---|
| **1827PC 1,6** | 1 | 018270501 |
| **1827PC 3,2** | 1 | 018270502 |

## 1827PCL
spare knife tips for item 1827

| | | |
|---|---|---|
| **1827PCL 2,4** | 1 | 018270503 |

## 1827PFL

spare naked flame tips for item 1827

| 1827PFL | 1 | 018270504 |
|---|---|---|

## 1827/K

gas soldering iron with 7 accessories in case with soft polyethylene foam base

**Features:**
- Power: 30 watts to 125 watts
- Tip temperature can be adjusted between 250 °C and 500 °C
- Gas flow regulator
- Warm-up time: 15 seconds
- Tank contains gas for 120 minutes' non-stop operation
- Clear tank for monitoring gas level
- Can be refilled with butane gas

| 1827/K | 1 | 018270100 |
|---|---|---|

## 1827F

butane gas soldering iron

**35 g tank**

- **three interchangeable nozzles: 550 °C; 1000 °C; 1300 °C**
- **supplied with a stand in hard case**

| 1827F | 1 | 018270200 |
|---|---|---|

## 1830T

dissoldering pipe with antistatic plastic (PTFE) nozzle

| L mm | | |
|---|---|---|
| 190 | 5 | 018300021 |

# LIGHTING

The lighting family comprises a wide range of products designed to satisfy all users' requirements, ranging from inspecting small pipes to lighting large working areas.

## FLASHLIGHTS

The new captivating design, the technical improvements and the large choice of sizes allow the most suitable flashlight to be selected on the basis of such criteria as brightness, battery life and performance.

## LAMPS AND SPOTLIGHTS

Based on improved LED technology, longer battery life, shorter charging time, painstaking attention to materials and ongoing search for innovative solutions, Beta's work lamps mean an outstanding combination of design, functionality and performance.
A comprehensive range designed to allow professionals to work at their best, in any sector and under any condition.

***CRI - Color Rendering Index***
***CCT - Correlated Color Temperature***

| SPOTLIGHTS | | | | | | | |
|---|---|---|---|---|---|---|---|
| ITEM | LUMEN | BATTERY | RECHARGEABLE TIME | LIFE | IP/IK | CCT | CRI |
| 1837C/2100 | 500/1000/2100 | LI-Ion 11.1V; 4400mAh | 4.0h | 9 - 2.5 h | IP65 - IK07 | 6500K | 80+ |
| 1837C/4300 | 1100/2100/4300 | LI-Ion 11.1V; 5200mAh | 4.0h | 6 - 1.5 h | IP65 - IK07 | 6500K | 80+ |
| 1837M | 500/1000/2000 | Li-Ion 11.1 V, 5200mAh | 3.5h | 2 - 8 h | IP65 - IK07 | 2700-3500-4500-5500-6500K | 96+ |
| 1838FLASH | 360/720 | Li-Ion 7.4 V; 4000 mAh | 4.0h | 4 - 8 h | IP65 | 6300K | - |

| LAMPS | | | | | | | |
|---|---|---|---|---|---|---|---|
| ITEM | LUMEN | BATTERY | RECHARGEABLE TIME | LIFE | IP/IK | CCT | CRI |
| 1838/11LED | 320 | Li-Ion 3.7V; 4200mAh | 4.0h | 4 h | IP65 | 6500K | |
| 1838AM | 60 - 700<br>120 (spot) | Li-Ion 3.7V; 2600mAh | 4.0h - USB-C | 2.5 - 16h<br>10h (spot) | IP54 - IK07 | 6500K | 80+<br>70+ |
| 1838COB | 100/200<br>75 (spot) | Li-Ion 3.7V; 1600mAh | 3.0h | 3-6h<br>4h (spot) | IP65 | 6000K | 80+ |
| 1838P | 80/50 | Li-Ion 3.7V; 700mAh | 2.5h | 4h | IP20 | 6000K | 80+ |
| 1838S | 150/350/700<br>200 (spot) | Li-Ion 3.7 V, 2600mAh | 4.0h - USB-C | 2 - 7.5h<br>5h (spot) | IP65 - IK07 | 6500K | 80+ |
| 1838SLIM | 100/200<br>180 (back)<br>80 (spot) | Li-Ion 3.7 V, 700mAh | 2.5h - USB-C | 2 - 4 h<br>2 h (back)<br>3 h (spot) | IP54 - IK07 | 6500K | 80 |
| 1838UV | 75/150 | Li-Ion 3.7V; 1600mAh | 3.0h | 3h | IP20 | 6000K | 80 |
| 1838SL | 345 | CAVO | - | - | - | - | - |

| HEADLAMPS | | | | | | | |
|---|---|---|---|---|---|---|---|
| ITEM | LUMEN | BATTERY | RECHARGEABLE TIME | LIFE | IP/IK | CCT | CRI |
| 1836A | 65/120 | 3xAAA | - | 7-14h | IP54 - IK07 | 6000K | 80 |
| 1836B | 125 - 250 | Li-Ion 3.8V; 1600mAh | 3.0h | 5h | IP65 - IK07 | 6000K | 80+ |

| FLASH LIGHTS | | | | | | |
|---|---|---|---|---|---|---|
| ITEM | LUMEN | BATTERY | RECHARGEABLE TIME | LIFE | IP/IK | LIGHTING RANGE |
| 1833XS/1 | 100 | 1xAAA | - | 5h | IP66 | 85m |
| 1833XS/2 | 200 | 2xAAA | - | 10h | IP66 | 112m |
| 1833S | 500 | 2xAA | - | 10h | IP66 | 140m |
| 1833M | 700 | 3xAAA | - | 7.5h | IP66 | 170m |
| 1833L | 1100 | 3xAA | - | 8.5h | IP66 | 330m |
| 1833L/USB | 1200 | Li-Ion 3.7 V, 2600mAh | 3.0h - USB-C | 3.0h | IP66 | 230m |
| 1833XL | 1500 | 3xD | - | 22h | IP66 | 290m |
| 1834RR | 130 | Li-Ion 3.7 V, 550mAh | 2.0h | 1h | IP30 | - |
| 1837F | 500 | 3xAA | - | 14.5h | IP66 | 125m |
| 1837F/USB | 600 | Li-Ion 3.7 V, 2900mAh | 4.0h - USB-C | 10h | IP66 | 280m |

## 1833L/USB

rechargeable high-brightness LED torch, made of sturdy anodized aluminium, up to 1,200 lumens

- adjustable focus
- 3 brightness settings
- battery life: 3.0h
- IP66
- lighting range: 230 m
- flat battery indicator (<15%)
- charging via USB-C port
- charger not included

| L mm | | |
|---|---|---|
| 240 | 1 | 018330054 |

## 1833RB-L/USB

spare battery for item 1833L/USB

| | | |
|---|---|---|
| 1833RB-L/USB | 1 | 018330975 |

## 1833XS/1

LED inspection torch, made of sturdy anodized aluminium

- 100 lumens
- adjustable focus
- battery: 1xAAA (not included)
- IP66
- battery life: 5.0h
- lighting range: 85 m

| L mm | | |
|---|---|---|
| 92 | 3 | 018330000 |

## 1833XS/2

LED inspection torch, made of sturdy anodized aluminium

- 200 lumens
- adjustable focus
- batteries: 2xAAA (not included)
- IP66
- battery life: 10.0h
- lighting range: 112 m

| L mm | | |
|---|---|---|
| 133 | 3 | 018330001 |

## 1833S

high-brightness LED torch, made of sturdy anodized aluminium, up to 500 lumens

- adjustable focus
- 2 brightness settings
- batteries: 2xAA (not included)
- battery life: 10.0h
- IP66
- lighting range: 140 m

| L mm | | |
|---|---|---|
| 150 | 1 | 018330002 |

## 1833M

high-brightness LED torch, made of sturdy anodized aluminium, up to 700 lumens

- adjustable focus
- 2 brightness settings
- batteries: 3xAAA (not included)
- flat battery indicator (<15%)
- battery life: 7.5h
- IP66
- lighting range: 170 m

| L mm | | |
|---|---|---|
| 162 | 1 | 018330003 |

## 1833L

high-brightness LED torch, made of sturdy anodized aluminium, up to 1,100 lumens

- adjustable focus
- 2 brightness settings
- batteries: 3xAA (not included)
- flat battery indicator (<15%)
- battery life: 8.5h
- IP66
- lighting range: 330m

| L mm | | |
|---|---|---|
| 196 | 1 | 018330004 |

## 1833XL

high-brightness LED torch, made of sturdy anodized aluminium, up to 1,500 lumens

- adjustable focus
- 2 brightness settings
- batteries: 3xD (not included)
- flat battery indicator (<15%)
- battery life: 22.0h
- IP66
- lighting range: 290 m

| L mm | | |
|---|---|---|
| 300 | 1 | 018330005 |

## 1834RR

LED torch, rechargeable in cigarette lighter socket

Adjustable focus
Rechargeable in cigarette lighter socket, 10-28V DC
IP30
130 lumens

| | | |
|---|---|---|
| 1834RR | 1 | 018340520 |

## 1836A

LED headlamp, dual brightness, with contactless ON/OFF sensor

- 120/65 lumens
- IP54
- Batteries: 3xAAA included

| | | |
|---|---|---|
| 1836A | 1 | 018360050 |

## 1836B

rechargeable LED headlamp, dual brightness, with ON/OFF sensor

- Contactless ON/OFF sensor
- 250 lumens
- Life: 3-6 h
- IP65

| | | |
|---|---|---|
| 1836B | 1 | 018360200 |

## 1837F

magnetic, articulated lamp with high-brightness LEDs,
made of sturdy anodized aluminium,
up to 500 lumens

- adjustable focus
- 2 brightness settings
- batteries: 3xAA (not included)
- battery life: 14.5 h
- charge indicator
- IP66

| L mm | | |
|---|---|---|
| 460 | 1 | 018370050 |

## 1837F/USB

rechargeable, magnetic, articulated lamp with high-brightness LEDs,
made of sturdy anodized aluminium,
up to 600 lumens

- adjustable focus
- 2 brightness settings
- battery life: 10.0 h
- USB-C charging
- IP66

| L mm | | |
|---|---|---|
| 460 | 1 | 018370060 |

## 1837RB-F/USB

spare battery for item 1837F/USB

| | | |
|---|---|---|
| 1837RB-F/USB | 1 | 018370960 |

## 1837C

rechargeable LED spotlight for building yards

- 3 brightness settings
- battery charger: input: 100-240V AC - 50/60Hz; output: 15V 1.5A
- charging time: 4 hours
- 3-LED charge indicator
- can rotate up to 180°
- IP65
- IK07

IP65
IK07

| LxHxl mm | Lm | h | | |
|---|---|---|---|---|
| 220x225x70 | 2100 | 2.5 | 1 | 018370210 |
| | 1000 | 5.0 | | |
| | 500 | 9.0 | | |
| 266x236.6x59 | 4300 | 1.5 | 1 | 018370430 |
| | 2100 | 3.0 | | |
| | 1100 | 6.0 | | |

## 1837M

rechargeable LED COLOUR MATCH spotlight, for visual colour control,
high colour rendering index (CRI 96+),
up to 2,000 lumens

- 3 brightness settings: 500/1,000/2,000 lumens
- CRI (colour rendering index): 96+
- CCT (correlated colour temperature): 2700K/ 3500K/ 4500K/ 5500K/ 6500K
- battery charger: input: 100-240V AC - 50/60Hz; output: 15V 1.5A
- quick release charge connector
- charging time: 3.5 hours
- battery life: 8/4/2 h
- charge indicator
- button and LED colour temperature indicator
- button and LED brightness indicator
- can rotate up to 180°
- IP65
- IK07

IP65
IK07

| LxHxl mm | Lm | h | | |
|---|---|---|---|---|
| 220x225x70 | 500 | 8.0 | 1 | 018370450 |
| | 1000 | 4.0 | | |
| | 2000 | 2.0 | | |

## 1837S

telescoping tripod for worklight

- made of metal
- adjustable height: 70÷155 cm
- compatible with items 1837C and 1838FLASH

| h cm | | |
|---|---|---|
| 70÷170 | 1 | 018370500 |

## 1838FLASH

rechargeable, ultracompact spotlight, designed to offer the best possible solution for each use

ABUNDANT READY LIGHTING: with a maximum lighting capacity of 720 lumens, and running on both battery and cable, it is always ready to use.
CAN BE PLACED ANYWHERE:
-on flat surfaces: with rubber feet on three sides or 1/4" drive for stands (camera-like standard)
-on metal structures: with unscrewable magnet or hook that can be rotated 360 degrees.
COMPACT: no more than 85x100x155 mm in size, it can be easily replaced in tool bag and used in small areas.
STURDY: designed to withstand extremely severe mechanical stress. Guaranteed durability.

IP65

| | | |
|---|---|---|
| 1838FLASH | 1 | 018380300 |

## 1838RB/FLASH

spare battery for item 1838/FLASH

| | | |
|---|---|---|
| 1838RB/FLASH | 1 | 018380930 |

## 1838/11LED

rechargeable inspection lamp with ultra-high brightness LEDs, lithium polymer battery

- Compact body made of antislip rubber
- Easy-to-replace front glass
- Swinging hook
- With charging station, 110-230Vac
- 320 lumens
- With multidirectional head LED

| | | |
|---|---|---|
| **1838/11LED** | 1 | 018380111 |

## 1838RA/10-11LED

spare power supplies for items 1838/10LED and 1838/11LED

| | | |
|---|---|---|
| **1838RA/10-11LED** | 1 | 018380903 |

## 1838RB/10LED

spare battery for items 1838/10LED and 1838/11LED

| | | |
|---|---|---|
| **1838RB/10LED** | 1 | 018380902 |

## 1838RR/11LED

charging bases for item 1838/11LED

| | | |
|---|---|---|
| **1838RR/11LED** | 1 | 018380914 |

## 1838RV/11LED

spare scratch-proof glass for lamp 1838/11LED

| | | |
|---|---|---|
| **1838RV/11LED** | 2 | 018380905 |

## 1838AM

rechargeable LED inspection lamp, with double light emission, articulated, can be rotated 180°, with swivel magnetic base and hook

- double light emission:
  front: LED COB, 60-700 lumens, can be adjusted with potentiometer
  spot (head): LED SMD, 120 lumens, ON-OFF switch
- rechargeable 3.6V 2600mAh Li-ion battery
- with USB-C port
- supplied with 100-240V / 50-60Hz charger
- charging time: 4h
- battery life:
  front: 2.5-16h
  spot (head): 10h
- 3-LED battery level indicator

- articulated, can be rotated 180° (± 90° compared to axis)
- magnetic base (with neodymium magnet), can be rotated 90°
- swivel base hook

- IP54
- IK07

IP54
IK07

| | L mm | l mm | S mm | L1 mm | | |
|---|---|---|---|---|---|---|
| **1838AM** | 405 | 40 | 45 | 175 | 1 | 018380400 |

## 1838COB

portable rechargeable LED inspection lamp

- **with hanging hook and antislip, shockproof body**
- **lithium polymer battery**
- **Swinging hook**
- **Magnetic base can be rotated 180 degrees**
- **With charger 100-240Vac / 50-60Hz**
- **100/200 lumens; SPOT 75 lumens**
- **Operating range: 6h / 3h; SPOT 4h**
- **charging time: 3 hours**
- **IP65**

IP65

| | | |
|---|---|---|
| **1838COB** | 1 | 018380010 |

## 1838P

rechargeable inspection pen light, with double light emission: lamp and torch

- **Compact body made of non-slip rubber**
- **50/80 lumens**
- **Pocket hook**
- **Magnetic base can be rotated 180 degrees**
- **Complete with USB/jack charging cable, 3.5mm**
- **Life: 2.5 hours**
- **IP20**

IP65

| | | |
|---|---|---|
| **1838P** | 1 | 018380005 |

## 1838SL

ultra-thin inspection lamp with ultra-high brightness LEDs. For jobs in small areas

- **power supply: 12V, with lighter socket and battery terminals**
- **2.5-m-long cable**
- **thickness: 6mm**
- **345 lumens**

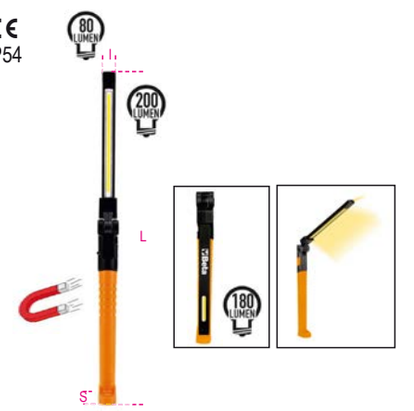
| | | |
|---|---|---|
| **1838SL** | 1 | 018380101 |

## 1838SLIM

rechargeable, articulated slim 3-LED inspection lamp

- **triple light emission**
- **front: 100/200 lumens/ back: 180 lumens/ spot (head): 80 lumens**
- **magnetic base**
- **charging time: 2.5h**
- **battery life: 2-4h/ spot 3h**

IP54




| | L mm | l mm | S mm | | |
|---|---|---|---|---|---|
| **1838SLIM** | 307 | 17 | 29 | 1 | 018380221 |

## 1838S

rechargeable, articulated LED inspection lamp

- can be rotated 180°
- dual light emission, front and spot (head)
- 700 lumens / spot 200 lumens
- nonslip rubber body
- double swinging hook
- magnets on base and back for increased adjustability
- complete with charger (100-240V / 50-60Hz)
- charging time: 4h
- battery life: 2-7.5 h
- dual light emission
- front: 150/300/700 lumens/ spot (head): 200 lumens

IP65

| | L mm | I mm | S mm | | |
|---|---|---|---|---|---|
| **1838S** | 260 | 52 | 38 | 1 | 018380122 |

## 1838UV

rechargeable UV and white light inspection lamp
ideal for detecting leaks

- Compact body made of antislip rubber
- With charger 100-240Vac / 50-60Hz
- 150 lumens / UV

| | | |
|---|---|---|
| **1838UV** | 1 | 018380150 |

## 1838E

rechargeable under bonnet LED lamp

- triple light emission: 500/1000/2000 lumens
- can be rotated 360°
- length range: 116 ÷ 188 cm
- aluminium body
- nonslip rubber hooks
- USB-C charge
- 2 charging modes:
charge via lamp USB port
charge via internal battery USB port
- supplied with battery charger
input: 100-240V ~ 50/60Hz
output: DC 5V - 2000 mA

IP20
IK07

| | L min mm | L max mm | I mm | | |
|---|---|---|---|---|---|
| **1170** | 1880 | 150 | | 1 | 018380270 |

## 1838E-BT

rechargeable battery with USB-C port for under bonnet lamp item 1838E

- Li-Ion 3,6V
- DC 5V - 2000 mA

| | | |
|---|---|---|
| **1838E-BT** | 1 | 018380271 |

## 1839/R1

transformer with USB output, spare part for items 1833L/USB, 1836B, 1837F/USB, 1838COB, 1838P, 1838S, 1838SLIM, 1838UV, 1838AM, 1838E

| | | |
|---|---|---|
| **1839/R1** | 1 | 018390501 |

## 1839/R2

USB/jack cable 3.5 mm, spare part for items 1836B; 1838P; 1838COB; 1838UV

| | | |
|---|---|---|
| **1839/R2** | 1 | 018390502 |

## 1839/R4

USB/USB-C cable, spare part for items 1833L/USB, 1833F/USB, 1838SLIM, 1838S, 1838AM, 1838E

| | | |
|---|---|---|
| **1839/R4** | 1 | 018390504 |

## 1840BM

230V inspection lamp,
base type: E27

- Bulb not included

IP20

| | V | W | L mm | | |
|---|---|---|---|---|---|
| **1840BM** | 230 | 60 | 420 | 1 | 018400101 |

## 1842LED/BM

lamp with ultra-high brightness LEDs, 100-240 Vac

- 10-m-long cable
- compact body made of antislip rubber
- easy-to-replace front glass
- swinging hook
- 340 lumens
- with multi-directional head LED light

IP65

| | L mm | | |
|---|---|---|---|
| **1842LED/BM** | 230 | 1 | 018420301 |

## 1842LED/ABM

lamp with ultra-high brightness LEDs, 12-24V AC/DC

- 10-m-long cable
- compact body made of antislip rubber
- easy-to-replace front glass
- swinging hook
- 320 lumens
- with multi-directional head LED light

IP65

| | L mm | | |
|---|---|---|---|
| **1842LED/ABM** | 230 | 1 | 018420311 |

# REELS

Beta's new, varied, comprehensive range of reels has been designed and developed with a view to satisfying all professionals' requirements.

- The range of cable reels comprises numerous lengths and types of cables, versions with LED lamps and with SCHUKO sockets and plugs.
- The range of hose reels comprises hoses 8 mm and 10 mm in diameter.

High-resistance spring ensuring remarkable durability and unparalleled smoothness.
Drums made of thick polypropylene, for unique shock resistance.
Rack device causing automatic cable rewind to stop, easy to disable, to allow continuous pulling.
Each reel is fitted with a 180° swivel wall-mount bracket and an additional bracket for quick connection to, and disconnection from, the wall-mount support.

## CABLE REELS

A wide range comprising no less than 18 versions, designed to satisfy any working requirements, including the most demanding users'. Lengths ranging from 10 m to 30 m, and sections from 2x1.0 mm² to 5Gx1.5mm², with H05VV-F and H07RN-F cable types.
All the cable reels – up to a cable section of 3Gx2.5mm² - are supplied with thermal protection switches, which are triggered in case of overloading of the electric circuit.

## HOSE REELS

326

A selected range, with lengths ranging from 10 m to 15 m, 8 mm and 10 mm in diameter, for use with pneumatic tools.
Since our products are leak-proof, they can also be used with water.

| Item | | Conductors | Section | Cable type | Length | Thermal protection | Accessory |
|---|---|---|---|---|---|---|---|
| **1842 15-H05/LED** | 018420821 | 2x | 1,0 mm² | H05VV-F | 15+1 m | YES | LED lamp |
| **1843 15-H05** | 018430215 | 2x | 1,5 mm² | H05VV-F | 15+1 m | YES | |
| **1844 10-H05** | 018440310 | 3G | 1,5 mm² | H05VV-F | 10+1 m | YES | - |
| **1844 15-H05** | 018440315 | | | H05VV-F | 15+1 m | YES | - |
| **1844 15-H07** | 018440317 | | | H07RN-F | 14+1 m | YES | - |
| **1844 30-H05** | 018440330 | | | H05VV-F | 30+2 m | YES | - |
| **1844 15-H05/SCK** | 018440316 | 3G | 1,5 mm² | H05VV-F | 15+1 m | YES | SCHUKO |
| **1844 15-H07/SCK** | 018440318 | | | H07RN-F | 14+1 m | YES | SCHUKO |
| **1845 12-H05** | 018450365 | 3G | 2,5 mm² | H05VV-F | 12+1 m | YES | |
| **1845 15-H07** | 018450367 | | | H07RN-F | 15+1 m | YES | |
| **1845 25-H07** | 018450377 | | | H07RN-F | 25+1,5 m | YES | |
| **1846 10-H05** | 018460405 | 4G | 1,5 mm² | H05VV-F | 10+1 m | NO | |
| **1846 10-H07** | 018460407 | | | H07RN-F | 10+1 m | NO | |
| **1846 15-H05** | 018460415 | | | H05VV-F | 15+1 m | NO | |
| **1847 10-H05** | 018470420 | 4G | 2,5 mm² | H05VV-F | 10+1 m | NO | |
| **1847 15-H07** | 018470427 | | | H07RN-F | 15+1 m | NO | |
| **1848 10-H05** | 018480510 | 5G | 1,5 mm² | H05VV-F | 10+1 m | NO | |
| **1848 15-H07** | 018480517 | | | H07RN-F | 15+1 m | NO | |

## 1842

automatic cable reel with LED inspection lamp, 100-240Vac

- **with 230/12V safety transformer**
- **H05VV-F 2x1.0 mm² cable**
- **coiled cable length: 15 m**
- **1.5 m incoming cable with SCHUKO type socket**
- **length of cable out of drum: 1 m**
- **rack mechanism can be disabled to keep cable pulled**
- **supplied with a 180° swivel bracket and an additional quick connection bracket**

CE

IP42
IP65

| | | L m | | | |
|---|---|---|---|---|---|
| **1842 15-H05/LED** | H05VV-F | 15+1 | 1 | 018420821 |

## 1846R-LED/BM

spare LED lamps

**12-24V - AC-DC**

| | | |
|---|---|---|
| **1846LED/BM R** | 1 | 018460331 |

## 1843

automatic cable reel, with 2x1.5 mm² cable

- **H05VV-F 2x1,5 mm² cable**
- **with thermal protection switch**
- **coiled cable length: 15 m**
- **cable length out of drum: 1 m**
- **supplied without incoming cable**
- **rack mechanism can be disabled to keep cable pulled**
- **max. power (rolled up): 1300W (230V-20°C)**
- **max. power (unrolled): 2300W (230V-20°C)**
- **supplied with a 180° swivel bracket and an additional quick connection bracket**

CE

IP42

| | | | | |
|---|---|---|---|---|
| **1843 15-H05** | H05VV-F | 15+1 | 1 | 018430215 |

## 1844

automatic cable reel, with 3Gx1.5 mm² cable

- 3Gx1.5 mm² cable
- with thermal protection switch
- cable length out of drum: 1 m (except for 1844 30-H05, 2 m)
- supplied without incoming cable
- rack mechanism can be disabled to keep cable pulled
- max. power (rolled up): 1500W (230V-20°C)
- max. power (unrolled): 2500W (230V-20°C)
- supplied with a 180° swivel bracket and an additional quick connection bracket

CE IP42

| | | L m | | |
|---|---|---|---|---|
| 1844 10-H05 | H05VV-F | 10+1 | 1 | 018440310 |
| 1844 15-H05 | H05VV-F | 15+1 | 1 | 018440315 |
| 1844 15-H07 | H07RN-F | 14+1 | 1 | 018440317 |
| 1844 30-H05 | H05VV-F | 30+2 | 1 | 018440330 |

## 1844SCK

automatic cable reel, with 3Gx1.5 mm² cable and SCHUKO type socket

- 3Gx1.5 mm² cable
- with thermal protection switch
- length of cable out of drum: 1 m
- supplied with 1.5 m incoming cable and SCHUKO type socket
- rack mechanism can be disabled to keep cable pulled
- max. power (rolled up): 1500W (230V-20°C)
- max. power (unrolled): 2500W (230V-20°C)
- supplied with a 180° swivel bracket and an additional quick connection bracket

CE IP42

| | | L m | | |
|---|---|---|---|---|
| 1844 15-H05/SCK | H05VV-F | 15+1 | 1 | 018440316 |
| 1844 15-H07/SCK | H07RN-F | 14+1 | 1 | 018440318 |

## 1845

automatic cable reel, with 3Gx2.5 mm² cable

- 3Gx2.5 mm² cable
- with thermal protection switch
- cable length out of drum: 1 m (except for 1845 25-H07RN-F, 1.5 m)
- supplied without incoming cable
- rack mechanism can be disabled to keep cable pulled
- max. power (rolled up): 2000W (230V-20°C)
- max. power (unrolled): 3000W (230V-20°C)
- supplied with a 180° swivel bracket and an additional quick connection bracket

CE IP42

| | | L m | | |
|---|---|---|---|---|
| 1845 12-H05 | H05VV-F | 12+1 | 1 | 018450365 |
| 1845 15-H07 | H07RN-F | 15+1 | 1 | 018450367 |
| 1845 25-H07 | H07RN-F | 25+1,5 | 1 | 018450377 |

## 1846

automatic cable reel, with 4Gx1.5 mm² cable

- 4Gx1.5 mm² cable
- without thermal protection switch
- cable length out of drum: 1 m
- supplied without incoming cable
- rack mechanism can be disabled to keep cable pulled
- max. power (rolled up): 1400W (230V-20°C)
- max. power (unrolled): 1900W (230V-20°C)
- supplied with a 180° swivel bracket and an additional quick connection bracket

CE IP42

| | | L m | | |
|---|---|---|---|---|
| 1846 10-H05 | H05VV-F | 10+1 | 1 | 018460405 |
| 1846 10-H07 | H07RN-F | 10+1 | 1 | 018460407 |
| 1846 15-H05 | H05VV-F | 15+1 | 1 | 018460415 |

## 1847

automatic cable reel, with 4Gx2.5 mm² cable

- 4Gx2.5 mm² cable
- without thermal protection switch
- length of cable out of drum: 1 m
- supplied without incoming cable
- rack mechanism can be disabled to keep cable pulled
- max. power (rolled up): 2000W (230V-20°C)
- max. power (unrolled): 2700W (230V-20°C)
- supplied with a 180° swivel bracket and an additional quick connection bracket

CE IP42

| | | L m | | |
|---|---|---|---|---|
| 1847 10-H05 | H05VV-F | 10+1 | 1 | 018470420 |
| 1847 15-H07 | H07RN-F | 15+1 | 1 | 018470427 |

## 1848

automatic cable reel, with 5Gx1.5 mm² cable

- 5Gx1.5 mm² cable
- without thermal protection switch
- length of cable out of drum: 1 m
- supplied without incoming cable
- rack mechanism can be disabled to keep cable pulled
- max. power (rolled up): 1400W (230V-20°C)
- max. power (unrolled): 1900W (230V-20°C)
- supplied with a 180° swivel bracket and an additional quick connection bracket

CE IP42

| | | L m | | |
|---|---|---|---|---|
| 1848 10-H05 | H05VV-F | 10+1 | 1 | 018480510 |
| 1848 15-H07 | H07RN-F | 15+1 | 1 | 018480517 |

## 1850D

3-speed heat gun

- Pos. I 250 l/min 50 °C
- Pos. II 250 l/min 400 °C
- Pos. III 500 l/min 550 °C

CE

| | L mm | H mm | | |
|---|---|---|---|---|
| 1850D | 255 | 210 | 1 | 018500018 |

## 1850E

adjustable electronic heat gun

- Pos. I 250-500 l/min 50 °C
- Pos. II 250-500 l/min 50-650 °C

• digital display
• temperature and flow rate adjustment buttons
• 4 preset programmes and other customizable programmes

- Prog 1 150 °C ca. 400 l/min
- Prog 2 200 °C ca. 400 l/min
- Prog 3 300 °C ca. 450 l/min
- Prog 4 400 °C ca. 500 l/min

| | L mm | H mm | | |
|---|---|---|---|---|
| 1850E | 255 | 210 | 1 | 018500020 |

## 1851VK

hot glue gun with 12 thermofusible glue sticks in case

| | | |
|---|---|---|
| 1851VK | 1 | 018510058 |

320x250x50 mm

## 1851VK-12C

12 thermofusible glue sticks
Ø 11 mm

| | | |
|---|---|---|
| 1851VK-12C | 1 | 018510062 |

## 1851VK-12V

12 thermofusible glue sticks
for painted surfaces
**Ø 11 mm**

| | | |
|---|---|---|
| 1851VK-12V | 1 | 018510072 |

## 1852R1750

portable induction heater

Heats and loosens bolts, hubs and bearings without using flames. Allows any type of ferromagnetic metal to be heated.

**Standard equipment:**
• Two front attachable coils, Ø 19 and 26 mm, for loosening nuts
• One flat coil for heating surfaces
• One flexible coil, 800 mm long
• Supplied in plastic case

**Technical data:**
• Input voltage: 230V AC, 50/60 Hz
• Input current: max. 7,5A
• Power: max. 1.75 kW

**Optional Equipment:**
• Coils are also available in other sizes

**Benefits:**
• Time saving: quick, extremely accurate heating
• Fire safety: does not produce flames, maximum operator safety
• Functional: can be used with one hand, and coils can be easily interchanged

**Fields of Application:**
• Automotive industry
• Industrial maintenance
• Aviation industry
• Naval industry
• Petrochemical industry

| | | |
|---|---|---|
| 1852R1750 | 1 | 018520175 |

480x370x130 mm - 4,5 kg

## 1852S-CNT

contact coil

| | | |
|---|---|---|
| 1852S-CNT | 1 | 018520520 |

## 1852S-CC

spoon coil

| | | |
|---|---|---|
| 1852S-CC | 1 | 018520521 |

## 1852S-KR/CNT

kit of spare parts for contact coil

| | | |
|---|---|---|
| 1852S-KR/CNT | 1 | 018520522 |

## 1852S-L

side attachable coils

| | Ø mm | M | L mm | | |
|---|---|---|---|---|---|
| 1852S-L 19 | 19 | M6 | 220 | 1 | 018520501 |
| 1852S-L 20 | 20 | M8 | 220 | 1 | 018520502 |
| 1852S-L 23 | 23 | M10 | 220 | 1 | 018520503 |
| 1852S-L 26 | 26 | M12 | 220 | 1 | 018520504 |
| 1852S-L 32 | 32 | M16 | 220 | 1 | 018520505 |
| 1852S-L 38 | 38 | M20 | 220 | 1 | 018520506 |
| 1852S-L 45 | 45 | M22 | 220 | 1 | 018520507 |

## 1852S-F

front attachable coil

| | Ø mm | M | L mm | | |
|---|---|---|---|---|---|
| 1852S-F 19 | 19 | M6 | 220 | 1 | 018520508 |
| 1852S-F 20 | 20 | M8 | 220 | 1 | 018520509 |
| 1852S-F 23 | 23 | M10 | 220 | 1 | 018520510 |
| 1852S-F 26 | 26 | M12 | 220 | 1 | 018520511 |
| 1852S-F 32 | 32 | M16 | 220 | 1 | 018520512 |
| 1852S-F 38 | 38 | M20 | 220 | 1 | 018520513 |
| 1852S-F 45 | 45 | M22 | 220 | 1 | 018520514 |

## 1852S-FLESS

flexible coil

| | | |
|---|---|---|
| 1852S-FL 750 | 1 | 018520519 |
| 1852S-FL 800 | 1 | 018520515 |
| 1852S-FL1000 | 1 | 018520517 |
| 1852S-FL1500 | 1 | 018520518 |

## 1852 S-PIATTE

flat coil

| | | |
|---|---|---|
| 1852S-PIATTE | 1 | 018520516 |

## 1860 160A

DC inverter welding machine for MMA and TIG electrode steel welding.
Compact and easy to carry

Arc force, hotstart, anti-sticking and thermostatic protection features

Adjustment current: 5÷160A
Power supply: 1x230V

Use factor (40 °C) :
30% - 160 A
60% - 1030 A
100% - 110 A
Delayed fuse: 25 A
Protection: IP23S
Usable electrodes: Ø 1.5 - 4mm rutilic, basic, stainless steel, cast iron etc.
Supplied with 25mm² cables

| | | |
|---|---|---|
| **1860 160A** | 1 | 018600006 |

## 1860RC

spare cables for inverter welding machines item 1860

**electrode holder cable length: 2.5m**
**earth cable length: 1.8m**

| | | |
|---|---|---|
| **1860RC/140A** | 1 | 018600604 |
| **1860RC/160A** | 1 | 018600606 |

## 1860EI

magnetic square, 90°,
for interior and exterior angles

**Ideal for locking tubular or flat parts,**
**18 kg magnetic force,**
**with bevels for 30° and 60° angles,**
**with hexagon hole making it easier to separate magnet from metal**

| | L mm | L1 mm | S mm | | |
|---|---|---|---|---|---|
| **1860EI** | 165 | 110 | 35 | 1 | 018600290 |

## 1860RG

adjustable magnetic square, 30°÷270°

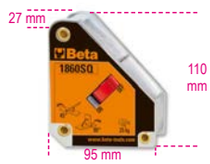
**Ideal for locking tubular or flat parts,**
**15 kg magnetic force,**
**supplied with an offset hexagon key wrench for locking angle adjustment mechanism,**
**supplied with a pin for locking angle adjustment mechanism at 30°-45°-90°/270°-180°**
**with hexagon hole making it easier to separate magnet from metal**

| | L mm | S mm | | |
|---|---|---|---|---|
| **1860RG** | 155 | 35 | 1 | 018600255 |

## 1860SQ

magnetic square, 45°/90°

**ideal for locking tubular or flat parts**
**25 kg magnetic force**
**no battery required, ON/OFF effect obtained by tilting interior magnets**
**easier chip removal with magnets in OFF position**




| | | |
|---|---|---|
| **1860SQ** | 1 | 018600210 |

## 7041LCD/4S

auto-darkening LCD mask, for electrode welding; MIG/MAG; TIG and plasma.
4 sensors
with TRUE COLOR filter
solar cell power supply and lithium batteries for outstanding LCD filter life

- Viewing area: 98x80 mm
- Darkening shade range: 5÷8.5/ 9-13, internally adjustable
- UV/IR protection: DIN16
- Light to dark time: 1/25000 s
- Dark to light time: 0.1-2.0s
- Adjustable darkening sensitivity and delay
- Auto on/off
- Grinding feature
- Low battery indicator
- Ergonomic design, lightweight, well-balanced
- With adjustable ring nut

| | | |
|---|---|---|
| **7041LCD/4S** | 1 | 070410001 |

## 7041LCD/4S-VE

scratch-proof lens protector for item 7041LCD/4S

| | | |
|---|---|---|
| **7041LCD/4S-VE** | 2 | 070410101 |

## 7041LCD/4S-VI

inside lens for item 7041LCD/4S

| | | |
|---|---|---|
| **7041LCD/4S-VI** | 2 | 070410102 |

## 7042LCD

Auto-darkening LCD mask, for electrode welding; MIG/MAG; TIG and plasma.
Solar cells power supply and lithium batteries for outstanding LCD filter life

- Viewing area: 98x43 mm
- Darkening shade: DIN 9-13, externally adjustable
- UV/IR protection
- Light to dark time: 1/25000 s
- Dark to light time: 0.25-1s
- Adjustable darkening sensitivity and delay
- Auto on/off
- Grinding feature
- Optimized shape to make it easier to breathe with pulled-down screen

| | | |
|---|---|---|
| **7042LCD** | 1 | 070420001 |

## 7042LCD/RV

scratch-proof lens protector for item 7042LCD, 7043

| | | |
|---|---|---|
| **7042LCD/RV** | 2 | 070420101 |

## 7042LCD/RV-INT

inside lens for item 7042LCD, 7043

| | | |
|---|---|---|
| **7042LCD/RV-INT** | 2 | 070420102 |

## 7043

auto-darkening LCD mask, for electrode welding, MIG/MAG, TIG and plasma, solar cell power supply

- viewing area: 92x43 mm
- darkening shade: DIN 9-13, externally adjustable
- UV/IR protection
- light to dark time: 1/1000 s
- dark to light time: 0.1-1.0 s
- adjustable darkening delay
- auto on/off
- grinding feature
- optimized shape to make it easier to breathe with pulled-down screen

**7043** 1 070430001

## 1870

solid and fluid vacuum cleaner, 20 l

- single-stage by-pass motor
- voltage: 230/240 V
- frequency: 50/60 Hz
- max. power: 1200 W
- airflow rate: 58 l/sec.
- max. suction power: 190 mbar
- max. drum capacity: 20 l, made of antistatic PP
- acoustic emissions: <70 dB(A)
- cable length: 5 m
- trolley for accessories

STANDARD ACCESSORIES, Ø 36 mm
- 1 corrugated hose with ergonomic handle
- 2 hard extension tubes
- 1 multiuse brush for floors and fluids
- 1 flat nozzle

FILTERING SYSTEMS
- 1 surface filter cartridge 1900 cm2 - 12 µm nom.
- 1 anti-foam filter PPI 45/PPI 30

IPX4

**1870** 1 018700020

## 1870I

solid and fluid vacuum cleaner, 20 l, stainless steel drum

- single-stage by-pass motor
- voltage: 230/240 V
- frequency: 50/60 Hz
- max. power: 1200 W
- airflow rate: 58 l/sec.
- max. suction pressure: 190 mbar
- max. drum capacity: 20 l, made of stainless steel
- acoustic emissions: <70 dB(A)
- cable length: 5 m

STANDARD ACCESSORIES Ø 36 mm
- 1 corrugated hose with ergonomic handle and vent
- 2 hard extension tubes
- 1 multiuse brush for floors and fluids
- 1 flat nozzle
- 1 paper bag

FILTERING SYSTEMS
- 1 surface air filter cartridge 1900 cm² - 12 µm nom.
- 1 anti-foam filter PPI 45/PPI 30

IPX4

**1870I** 1 018700220

## 1872L

solid and fluid vacuum cleaner, 35 l "L" class certified

- two-stage by-pass motor
- voltage: 230/240 V • frequency: 50/60 Hz
- max. power: 1100 W
- airflow rate: 55 l/sec.
- max. suction power: 220 mbar
- max. drum capacity: 35 l, made of antistatic PE-HD
- acoustic emissions: <68 dB(A)
- cable length: 6 m

STANDARD ACCESSORIES, Ø 36 mm
- 1 corrugated hose with ergonomic handle
- 2 plastic extension tubes
- 1 combined brush frame
- 1 section with fluid collection hoses
- 1 flat nozzle

FILTERING SYSTEMS
- 1 disposable fabric bag; filtration class: "L"
- 1 filter cartridge; IFA class: "L"
- 1 anti-foam filter PPI 45/PPI 30
- 2 post-filters made of PP-laminated PET

IPX4

**1872L** 1 018720135

## 1873

solid and vacuum cleaner, 30 l, stainless steel drum

- two-stage by-pass motor
- voltage: 230/240 V • frequency: 50/60 Hz
- max. power: 1100 W • airflow rate: 55l/sec.
- max. suction pressure: 220 mbar
- max. drum capacity: 30 l, made of stainless steel
- acoustic emissions: <61 dB(A)
- cable length: 6 m • trolley for accessories

STANDARD ACCESSORIES, Ø 45 mm
- 1 corrugated hose with ergonomic handle
- 2 stainless steel extension tubes
- 1 industrial brush frame • 1 industrial section for carpets
- 1 industrial section with fluid collection hoses
- 1 flat nozzle

FILTERING SYSTEMS
- 1 filter paper bag
- 1 surface filter cartridge 1900 cm2, 12 µm nom.
- 1 anti-foam filter PPI 45/PPI 30

**1873 30** 1 018730030

## 1874

solid and fluid vacuum cleaner, 50 l, stainless steel drum

- two-stage by-pass motor
- voltage: 230/240 V • frequency: 50/60 Hz
- max. power: 1350 W • airflow rate: 55 l/sec.
- max. suction pressure: 240 mbar
- max. drum capacity: 50 l, made of stainless steel
- acoustic emissions: <63 dB(A)
- cable length: 6 m
- trolley for accessories

STANDARD ACCESSORIES, Ø 45 mm

- 1 corrugated hose with ergonomic handle
- 2 stainless steel extension tubes
- 1 industrial brush frame
- 1 industrial section for carpets
- 1 industrial section with fluid collection hoses
- 1 flat nozzle

FILTERING SYSTEMS

- 1 filter bag
- 1 surface filter cartridge 5200 cm2, 12 µm nom.
- 1 anti-foam filter PPI 45/PPI 30

1874 50 — 1 018740050

## 1870-20/5S

5 horizontal paper bags for item 1870

1870 20/5S — 1 018700021

## 1870-72 /FC

cartridge filter 1900 cm² 12 - µm nom. for items 1870 - 1872 - 1873

1870-72 /FC — 1 018700026

## 1870-72/FL

fluid vacuum cleaning filter for items 1870 - 1872 - 1873 - 1874

1870 72/FL — 1 018700027

## 1872L 35/FC

cartridge filter, "L" class, for item 1872L 35

1872L 35/FC — 1 018720144

## 1872L 35/5S

5 disposable fabric bags, "L" class

1872L 35/5S — 1 018720136

## 1873-30/5S

5 vertical paper bags for item 1873

1873 30/5S — 1 018730031

## 1874-50/5S

5 vertical bags for item 1874

1874 50/5S — 1 018740051

## 1874-50/FC

cartridge filter 5200 cm² - 12 µm nom. for item 1874

1874 50/FC — 1 018740056

## 1877

exhausted oil drain unit, wheeled, with 90 l tank

- **level indicator**
- **big diameter pan with breakwater grate; capacity: 12 l**
- **pneumatic tank emptying through 1.8 m pipe**
- **tool tray**

1877 — 1 018770008

## 1877A

exhausted oil drain unit / vacuum cleaner, wheeled, with 90 l tank and pre-chamber

- **level indicator**
- **big diameter pan with breakwater grate; capacity: 12 l**
- **transparent pre-chamber: capacity 9.5 l**
- **1.8 m suction pipe**
- **pneumatic tank emptying through 1.8 m pipe**
- **tool tray**

**Standard accessories:**

- **1 hard probe, Ø 5x700 mm**
- **1 flexible probe, Ø 5x700 mm**
- **1 hard probe, Ø 6x600 mm**
- **1 flexible probe, Ø 6x700 mm**
- **1 flexible probe, Ø 7x700 mm**
- **1 flexible probe, Ø 8x700 mm**
- **adapters for VW, BMW, CITROËN**

1877A — 1 018770080

# VEHICLE REPAIR

Our vehicle repair tools, which are used by the most demanding professionals, are developed and manufactured to meet the world's highest standards, and regularly tested under the most stressful operating conditions.

For over 50 years, we have been proudly working hand in hand with the greatest champions, who help us improve our products non-stop and provide testimony to the highest quality standard.

## The vehicle repair tools are found in these sections:


| | |
|---|---|
| **Diagnostics** | |
| | items 1438 to 1499<br>items 1758VT to 1760TMC |
| **Engine** | |
| | items 955 to 989A<br>items 1438 to 1499 |
| **Oil and filters** | |
| | items 1438 to 1499<br>items 1877 to 1885 |
| **Electric system** | |
| | items 1438 to 1499 |
| **Transmission** | |
| | items 1438 to 1499 |
| **Suspension** | |
| | items 1549 to 1569CP |
| **Brakes** | |
| | items 1438 to 1499 |
| **Wheels** | |
| | items 955 to 989A |
| **Body work** | |
| | items 1302 to 1369<br>items 1763 to 1767A |
| **Other equipment** | |
| | items 1878 to 3067 |

## 1878 2

fluid collection tank

- maximum capacity: 2 l
- particularly suitable for changing oil in scooters

| | l | H mm | | |
|---|---|---|---|---|
| 1878 2 | 2 | 85 | 1 | 018780002 |

## 1878 3

oil collection tank, for truck hubs

With oil drip catcher

| | l | | |
|---|---|---|---|
| 1878 3 | 3 | 1 | 018780003 |

## 1878 4

fluid collection tank, portable

- suitable for motorcycles
- maximum capacity: 4 l
- reduced splashing

| | l | H mm | | |
|---|---|---|---|---|
| 1878 4 | 4 | 100 | 1 | 018780004 |

## 1878 8

fluid collection tank

- height suitable for motorcycles
- maximum capacity: 8 l

| | l | H mm | | |
|---|---|---|---|---|
| 1878 8 | 8 | 110 | 1 | 018780008 |

## 1878 11

fluid collection tank

- Maximum capacity: 11 l
- Fluid drain plug
- Interior wall for preventing fluid leakage during transportation

| | l | | |
|---|---|---|---|
| 1878 11 | 11 | 1 | 018780011 |

## 1878 30

fluid collection tank

- Maximum capacity: 30 l
- Splashproof grate
- Fitted with 4 pivoting wheels

| | l | | |
|---|---|---|---|
| 1878 30 | 30 | 1 | 018780030 |

## 1879

9.5 l manual/pneumatic operation fluid extractor

| | | |
|---|---|---|
| 1879 | 1 | 018790001 |

## 1879 6

manual operation fluid extractor, 6 l

| | | |
|---|---|---|
| 1879 6 | 1 | 018790000 |

## 1879R/K4
kit of 4 spare tubes for fluid extractor 1879

| | | |
|---|---|---|
| 1879R/K4 | 1 | 018790504 |

## 1879/FUEL
manual operation fluid extractor, 6 l
**for use with hydrocarbons**

| | | | |
|---|---|---|---|
| 1879/FUEL | l 6 | 1 | 018790010 |

## 1880
manual barrel pump

| | | | |
|---|---|---|---|
| 1880 | gr 240 | 1 | 018800001 |

## 1880ADB
rotary AdBlue® pump

- **5 litres supplied every twenty turns**
- **drum extensions up to 1.20 m**
- **1 fine-pitch drum coupling, fine pitch**
- **1 coarse-pitch drum coupling**

| | | |
|---|---|---|
| 1880ADB | 1 | 018800101 |

## 1881
pneumatic barrel pump, ratio 3:1

| | | | |
|---|---|---|---|
| 1881 | l/min 14 | 1 | 018810001 |

## 1882
oil gun with flexible end and automatic drip catcher

- **1/2"**
- **Maximum delivery rate: 65 l/min**
- **Maximum operating pressure: 100 bar**
- **Lockable delivery lever**

| | | |
|---|---|---|
| 1882 | 1 | 018820010 |

## 1883
digital litre counter for oil

- **1/2"**
- **Shockproof rubber coating**
- **Battery: 1 CR2 (included)**
- **Max. delivery rate: 0÷35 l/min (0÷9 gal/min)**
- **Max. pressure: 50 bar (750 psi)**
- **Viscosity: 8÷5000 mPas**
- **Tolerance: ±0.5%**

CE

| | | |
|---|---|---|
| 1883 | 1 | 018830035 |

## 1883NC
male-male nipple, 1/2, for items 1882 and 1883

| | | |
|---|---|---|
| 1883NC | 1 | 018830135 |

## 1884
oil filler tool
for manual and automatic gearboxes and differentials
**Complete with 12 adaptors for direct connection**

| | | |
|---|---|---|
| 1884 | 1 | 018840010 |

| | |
|---|---|
| AT-101 | FORD |
| AT-102 | UNIVERSAL (Bmw, Honda, Nissan...) |
| AT-103 | VW-AUDI |
| AT-104 | VW-AUDI-PORSCHE |
| AT-105 | VW-AUDI-MINI COOPER |
| AT-106 | MERCEDES |
| AT-107 | DSG |
| AT-108 | VW-AUDI CVT |
| AT-109 | VOLVO |
| AT-110 | TOYOTA-LEXUS |
| AT-111 | SKODA |
| AT-112 | VW Passat/Tiguan <2007 |

## 1884/C12
case of adapters for item 1884

| | | |
|---|---|---|
| 1884/C12 | 1 | 018840100 |

## 1884N/C8

set of 8 adapters for item 1884

**set contents:**
- **1 adapter for Infiniti, 7-speed, M8x1.0**
- **1 adapter for Honda, Hyundai, Kia 5x8x200 mm**
- **1 adapter for Skoda M18x1.5**
- **1 adapter for Mini M14x1.5**
- **1 adapter for Nissan M10x1.5**
- **1 adapter for Nissan Juke M12x1.25**
- **1 adapter for GM M12x1.75**
- **1 adapter for VAG group vehicles, 7-gear**

| | |
|---|---|
| **1884N/C8** | 1 018840200 |

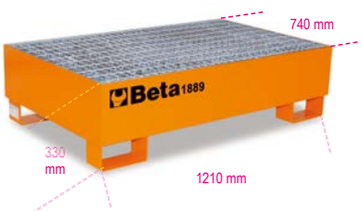
200x145x40 mm - 400 g

## 1889

steel handling and storage base for 2 200-l barrels

- **Completely hot painted with epoxy powder**
- **Easy to carry with a fork lift truck or a transpallet**
- **Support cannot be placed under any part**

CE




| | |
|---|---|
| **1889** | 1 018890200 |

## 1889CF

universal barrel opening wrench

- **1 female hexagon Ø 38 mm**
- **1 4-sector profile Ø 42 mm**
- **1 blade 17x7 mm**

| L mm | |
|---|---|
| **270** | 1 018890010 |

## 1885

automatic gearbox maintenance station

Allows entire washing cycle to be safely performed in all automatic transmissions, through a simple, guided procedure.
Avoids damage from wear of oil in automatic gearbox, thereby easily and quickly preventing typical malfunctions, including: excessive gearbox noise, jammed gears, abruptly engaged gears, long gear shifting time.

CE

**Functional specifications:**
- Automatic operation
- Step-by-step guided procedure with integrated database
- Balancing quantity of injected oil with same quantity of exhausted oil, thereby making sure that system always contains proper quantity of oil
- Flow meter for visual inspection of oil quantity
- Printing records of each operation

**Automatic specifications:**
- Injecting solvent (optional)
- Washing gearbox system
- Emptying oil out of sump
- Emptying oil out of converter
- Injecting oil into converter

**Technical specifications:**
- Power supply: 220 V 50 Hz
- Backlit oil viewers with 2 white light LEDs
- 2 electronic balances
- Electronic balances, resolution +/- 10 g

Electronic card with backlit graphic display

| | |
|---|---|
| **1885** | 1 018850010 |

## 1885/C1

automatic transmission fittings kit for item 1885

**Kit contents:**
- **1885/C1-R1 Land Rover Freelander transmission fittings**
- **1885/C1-R2 DP0 transmission fitting**
- **1885/C1-R3 ZF 9HP transmission fitting**
- **1885/C1-R4 ZF 9HP transmission dipstick**
- **1885/C1-R5 Mercedes transmission dipstick**
- **1885/C1-R6 AISIN TG82 transmission fittings**
- **1885/C1-R7 AISIN TG81 transmission fittings**
- **1885/C1-R8 Renault-Nissan transmission fittings**

| | |
|---|---|
| **1885/C1** | 1 018850110 |

## 1885/C1-R1

Land Rover Freelander transmission fittings for item 1885

**Ic01430**

| | |
|---|---|
| **1885/C1-R1** | 1 018850111 |

## 1885/C1-R2

DP0 transmission fitting for item 1885

**Ic0990**

| | |
|---|---|
| **1885/C1-R2** | 1 018850112 |

## 1885/C1-R3

ZF 9HP transmission fitting for item 1885

**Ic0992**

| | |
|---|---|
| **1885/C1-R3** | 1 018850113 |

## 1885/C1-R4

ZF 9HP transmission dipstsick for item 1885

**Ic0192**

| | |
|---|---|
| **1885/C1-R4** | 1 018850114 |

## 1885/C1-R5
Mercedes transmission dipstick for item 1885

**K-A-M**

1885/C1-R5 — 1 — 018850115

## 1885/C1-R6
AISIN TG82 transmission fittings for item 1885

**Ic01820**

1885/C1-R6 — 1 — 018850116

## 1885/C1-R7
AISIN TG81 transmission fittings for item 1885

**Ic0150**

1885/C1-R7 — 1 — 018850117

## 1885/C1-R8
Renault-Nissan transmission fittings for item 1885

**Ic02150**

1885/C1-R8 — 1 — 018850118

## 1885/C2
automatic transmission fittings kit for item 1885

**Kit contents:**
- **1885/C2-R1 Audi 8HP transmission fittings**
- **1885/C2-R2 ZF 9HP transmission fittings without exchanger**
- **1885/C2-R3 Audi 0KC transmission fitting**
- **1885/C2-R4 AG4-ZF 4HP transmission fittings**
- **1885/C2-R5 FIAT transmission fittings**
- **1885/C2-R6 Audi Q5-Q7 transmission fittings**
- **1885/C2-R7 Audi 0B5 transmission fitting**

1885/C2 — 1 — 018850120

## 1885/C2-R1
Audi 8HP transmission fittings for item 1885

**Ic0993**

1885/C2-R1 — 1 — 018850121

## 1885/C2-R2
ZF 9HP transmission fittings without exchanger for item 1885

**Ic0860**

1885/C2-R2 — 1 — 018850122

## 1885/C2-R3
Audi 0KC transmission fitting for item 1885

**Ic02020**

1885/C2-R3 — 1 — 018850123

## 1885/C2-R4
AG4-ZF 4HP transmission fittings for item 1885

**Ic0750**

1885/C2-R4 — 1 — 018850124

## 1885/C2-R5
FIAT transmission fittings for item 1885

**Ic0061**

1885/C2-R5 — 1 — 018850125

## 1885/C2-R6
Audi Q5-Q7 transmission fittings for item 1885

**Ic0680**

1885/C2-R6 — 1 — 018850126

## 1885/C2-R7
Audi 0B5 transmission fitting for item 1885

**Ic01720**

1885/C2-R7 — 1 — 018850127

## 1885/C3
automatic transmission fittings kit for item 1885

**Kit contents:**
- **1885/C3-R1 Mercedes DSG transmission fitting**
- **1885/C3-R2 POWERSHIFT transmission fitting**
- **1885/C3-R3 Toyota IQ transmission fittings**
- **1885/C3-R4 Mazda transmission fittings**
- **1885/C3-R5 Renault Laguna-Esp transmission fittings**
- **1885/C3-R6 Nissan Juke transmission fittings**
- **1885/C3-R7 AISIN TF71 FV transmission fittings**
- **1885/C3-R8 AISIN TF71 FP transmission fittings**
- **1885/C3-R9 AISIN TF71 FO transmission fittings**
- **1885/C3-R10 AISIN TF71 FS transmission fittings**

1885/C3 — 1 — 018850130

## 1885/C3-R1

**Ic0191**

1885/C3-R1 — 1 — 018850131

## 1885/C3-R2
POWERSHIFT transmission fitting for item 1885

**Ic0190**

1885/C3-R2 — 1 — 018850132

## 1885/C3-R3
Toyota IQ transmission fittings for item 1885

**Ic0991**

1885/C3-R3 — 1 — 018850133

## 1885/C3-R4

Mazda transmission fittings for item 1885

**Ic02130**

| | | |
|---|---|---|
| **1885/C3-R4** | 1 | 018850134 |

## 1885/C3-R5

Renault Laguna-Esp transmission fittings for item 1885

**Ic02150**

| | | |
|---|---|---|
| **1885/C3-R5** | 1 | 018850135 |

## 1885/C3-R6

Nissan Juke transmission fittings for item 1885

**Ic02140**

| | | |
|---|---|---|
| **1885/C3-R6** | 1 | 018850136 |

## 1885/C3-R7

AISIN TF71 FV transmission fittings for item 1885

**Ic01420**

| | | |
|---|---|---|
| **1885/C3-R7** | 1 | 018850137 |

## 1885/C3-R8

AISIN TF71 FP transmission fittings for item 1885

**Ic001420/1**

| | | |
|---|---|---|
| **1885/C3-R8** | 1 | 018850138 |

## 1885/C3-R9

AISIN TF71 FO transmission fittings for item 1885

**Ic001420/2**

| | | |
|---|---|---|
| **1885/C3-R9** | 1 | 018850139 |

## 1885/C3-R10

AISIN TF71 FS transmission fittings for item 1885

**Ic001420/3**

| | | |
|---|---|---|
| **1885/C3-R10** | 1 | 018850140 |

## 1893/134A

automatic charging station for R134a gas air conditioners

Fully automatic model, complete with car/lorry database with gas quantities, compressor oil quantities and types, self-diagnosis software for routine maintenance jobs.
Database can be updated via software.
Machine can be operated in both manual mode (provided it is controlled by a human operator step by step)
and in fully automatic mode (without requiring a human operator).

R134A (250 ml)

FUNCTIONAL SPECIFICATIONS
Automatic operation
Car/lorry database with gas quantities and compressor oil quantities and types
Automatic gas recovery from pipe
Compensation of recharged quantity of gas in pipes
Automatic discharge of noncondensable gases
Automatic reporting of defects and required maintenance jobs
Gauges, ø 80 mm
Digital vacuometer

TECHNICAL SPECIFICATIONS
Gas tank: 15 kg
Vacuum pump: 75 l/min
Electronic balance: 50 kg
Electronic card with backlit display
Recovery rate: 500 rpm
Power supply: 220 V

| | | |
|---|---|---|
| **1893/134A** | 1 | 018930001 |

## 1893/1234YF

automatic charging station for R1234yf gas air conditioners

Fully automatic model, complete with car/lorry database with gas quantities, compressor oil quantities and types, self-diagnosis software for routine maintenance jobs.
Database can be updated via software.
Machine can be operated in both manual mode (provided it is controlled by a human operator step by step)
and in fully automatic mode (without requiring a human operator).

1234YF (250 ml)

FUNCTIONAL SPECIFICATIONS
Automatic operation
Car/lorry database with gas quantities and compressor oil quantities and types
Automatic gas recovery from pipe
Compensation of recharged quantity of gas in pipes
Automatic discharge of noncondensable gases
Automatic reporting of defects and required maintenance jobs
Gauges, ø 80 mm
Digital vacuometer

TECHNICAL SPECIFICATIONS
Gas tank: 15 kg
Vacuum pump: 75 l/min
Electronic balance: 50 kg
Electronic card with backlit display
Recovery rate: 500 rpm
Power supply: 220 V

| | | |
|---|---|---|
| **1893/1234YF** | 1 | 018930012 |

## 1893TR/134A

R134a gas tracer

| | | | |
|---|---|---|---|
| **1893TR/134A** | ml 250 | 1 | 018930901 |

## 1893TR/1234YF

R1234yf gas tracer

| | | | |
|---|---|---|---|
| **1893TR/1234YF** | ml 250 | 1 | 018930902 |

## 1893TR/CI

hybrid compressor tracer

| | ml | | |
|---|---|---|---|
| **1893TR/CI** | 250 | 1 | 018930903 |

## 1895G

control generator for (petrol and LPG) electro-injectors and solenoid valves

Makes it possible to autonomously test efficiency of such parts as:
- EGR solenoid valves
- electro-injectors of petrol and LPG engines
- solenoid valves for variable-geometry turbine adjustment
- compressors for new-generation air conditioners

**Benefits:**
• Makes it possible to understand whether part is working mechanically
• Combined with ultrasonic cleaning tanks, it allows more efficient cleaning of parts, electronically controlling part during washing phase
• Essential for air conditioner testing, to check whether compressor and its control valve are efficient

**Specifications**

**Petrol and LPG injector control:**
• Number of outlets: 4
• Test duration: 1-60 s
• Operating time: 5-10 ms
• Impulse frequency range: 1-10 Hz

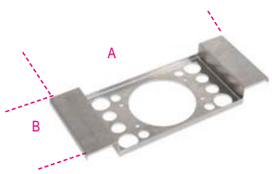
**PWM device control:**
• Number of outlets: 1
• Test duration: 1-60 min
• Automatic or manual
• Duty cycle adjustment: 10%-85%
• Signal frequency regulation: 120-250 Hz

| | | |
|---|---|---|
| **1895G** | 1 | 018950800 |

## 1895/S

adjustable support for ultrasonic cleaning tanks 1895

**Allows injectors to be correctly placed during washing in ultrasonic cleaning tank**




| | A mm | B mm | | |
|---|---|---|---|---|
| **1895/S** | 340 | 140 | 1 | 018950501 |

## 1895 6

ultrasonic cleaning tank, 6 l

with special degas function

**Features:**
• Ultrasonic cleaning relies on fluid heating to effectively clean spare parts and metal pieces in general (injectors, carburettors, valves etc.)
• Digital display for temperature and cleaning time selection
• Two cleaning modes: "soft" and "normal"
• For normal cleaning, just use water at a temperature of 50/60 °C
• For more accurate cleaning, add non-foaming detergent specific for ultrasonic tanks
• Using the degas mode speeds up air release throughout the tank, thereby improving ultrasonic cleaning efficiency

**Technical Data**
• Tank capacity: 6 l
• Drain tap
• Power: 150 W
• Heating power: 300 W
•Temperature range: 0÷80 °C
• Cleaning time range: 0-99 minutes
• Frequency: 40 kHz
• Power supply: 220/230V
• Overall dimensions: 330x180x310 mm
• Tank dimensions: 300x155x150 mm
• Basket dimensions: 250x105x100 mm
• Maximum capacity: 5.5 kg

| | Max | | |
|---|---|---|---|
| **1895 6** | 5,5 | 1 | 018950060 |

## 1895 13

ultrasonic cleaning tank, 13 l

with special degas function

**Features:**
• Ultrasonic cleaning relies on fluid heating to effectively clean spare parts and metal pieces in general (injectors, carburettors, valves etc.)
• Digital display for temperature and cleaning time selection
• Two cleaning modes: "soft" and "normal"
• For normal cleaning, just use water at a temperature of 50/60 °C
• For more accurate cleaning, add non-foaming detergent specific for ultrasonic tanks
• Using the degas mode speeds up air release throughout the tank, thereby improving ultrasonic cleaning efficiency

**Technical Data:**
• Tank capacity: 13 l
• Drain tap
• Power: 300 W
• Heating power: 400 W
• Temperature range: 0÷80 °C
• Cleaning time range: 0-99 minutes
• Frequency: 40 kHz
• Power supply: 220/230V
• Overall dimensions: 350x325x320 mm
• Tank dimensions: 325x235x145 mm
• Basket dimensions: 257x185x100 mm
• Maximum capacity: 12 kg

| | Max | | |
|---|---|---|---|
| **1895 13** | 12 | 1 | 018950130 |

## 1895 27

ultrasonic cleaning tank, 27 l

with special degas function

**Features:**
• Ultrasonic cleaning relies on fluid heating to effectively clean spare parts and metal pieces in general (carburettors, valves etc.)
• Digital display for temperature and cleaning time selection
• Two cleaning modes: "soft" and "normal"
• For normal cleaning, just use water at a temperature of 50/60 °C
• For more accurate cleaning, add non-foaming detergent solutions specific for ultrasonic tanks
• Using the degas mode speeds up air release throughout the tank, thereby improving ultrasonic cleaning efficiency

**Technical Data:**
• Tank capacity: 27 l
• Drain tap
• Power: 500 W
• Heating power: 500 W
• Temperature range: 0÷80 °C
•Cleaning time range: 0-99 minutes
• Frequency: 40 kHz
• Power supply: 220/230V
• Dimensions: 530x330x380 mm

| | Max | | |
|---|---|---|---|
| **1895 27** | 25 | 1 | 018950270 |

## 1895/RC

rack for ultrasonic tanks 1895

| | L mm | L1 mm | A mm | | |
|---|---|---|---|---|---|
| **1895/RC6** | 250 | 105 | 100 | 1 | 018950506 |
| **1895/RC13** | 257 | 185 | 100 | 1 | 018950513 |
| **1895/RC27** | 450 | 250 | 150 | 1 | 018950527 |

## 1897

professional bench sander

Particularly recommended for surface finishing jobs on several materials (metal, plastic, glass, ceramic, wood etc.). The cabin is made from properly reinforced sheet steel which results in unparalleled sturdiness and firmness.
The cabin is equipped with the following:
- loading door with magnet closure
- perforated sheet metal top
- standard connection for vacuum cleaners, ø 36 mm
- protective polycarbonate viewing window, 6 mm
- LED lamp
- pneumatic circuit (compressed air inlet)
- sanding gun with trigger operation

TECHNICAL DATA
Useful dimensions of cabin: 600x520x320 mm
Overall dimensions: 660x530x500 mm
Weight: 38 kg
Worktop: perforated sheet metal
Lighting: LED
Air consumption: 340 l/min at 7 atm
Power supply: 220 V - 50 Hz

**1897** 1 018970066

## 1897/CRB

corundum for sander 1897 in 25 kg bag

**1897/CRB** 1 018970101

## 1897/G

garnet for sander 1897 in 25 kg bag

**1897/G** 1 018970104

## 1897/MV

glass microspheres for sander 1897 in 25 kg bag

**1897/MV** 1 018970103

## 1898/K40

Eco friendly, heated manual cleaning tank

- Using the bio-active liquid included, oil and residue can be effectively removed from mechanical parts without the need for aggressive chemicals
- The bio-active liquid converts the oil and other residue into carbon dioxide and water which can be re-used again and again
- no need for specialist waste collection and disposal
- suitable for both metal and plastic parts

**Equipment:**
- Long bristle brush and connecting pipe
- Right-hand and left-hand operation function
- Perforated stainless steel grid
- Wheels with brakes
- Card with display operating temperature and low level alert

**Accessories Included:**
- 2 20 l cans of environmentally friendly liquid detergent and 2 packs of bacteria
- 2 packs of bio-active liquid

**Technical data:**
- Max. pump capacity: 10 li/min
- Tank capacity: 40 l
- Operating temperature: +5 °C ÷ +40°C
- Dimensions: 900 x 1000 x 750 mm
- Weight: 50 kg (when empty)

**Attention:**
Countries where product 1898/K40 is allowed to be distributed: Austria, Belgium, France, Hungary, Italy, Netherlands, Poland, Portugal, Spain, United Kingdom.

**1898/K40** 1 018980004

**ATTENTION**
**Countries where product 1898/K40 is allowed to be distributed: Austria, Belgium, France (from 2021), Hungary, Italy, Netherlands, Poland, Portugal, Spain, United Kingdom.**

## 1898/B

bottle of bacteria, 400 ml, for part cleaning tank 1898/K40

**1898/B** 1 018980904

**CAUTION: Countries where item 1898/B is allowed to be distributed: Austria, Belgium, France, Italy, Netherlands, Portugal, United Kingdom, Spain, Hungary**

## 1898/D

tank of environmentally friendly detergent liquid, 20 l, for part cleaning tank 1898/K40

**1898/D** 1 018980920

**CAUTION:**
**Countries where item 1898/B is allowed to be distributed: Austria, Belgium, France, Italy, Netherlands, Portugal, United Kingdom, Spain, Hungary**

## 1899A

DPF/FAP® system cleaning machine

Special detergents can be used to periodically clean and restore DPF and FAP® systems damaged by soot and ash deposits.

Supplied with:
- 1 2-m-long feed pipe
- 1 quick coupler + hose nozzle for differential sensor hoses
- 1 niplex M18x1.5 with hose nozzle for direct connection to lambda probe
- 1 extension hose
- 1 DPF/FAP® spray nozzle
- 1 magnetic pipe support
- 1 DPF/FAP® pipe with adjustment cable gland plus niplex M14/16/18 mm for connecting lambda probes

Technical specifications:
- operating voltage: 12 V
- power supply cord length: 3.9 m
- tank capacity: 1 l

**1899A** 1 018990010

## 2250-O
heavy duty swivel creeper seat with tray

| | | |
|---|---|---|
| **2250-O** | 1 | 022500011 |

## 2251-O
heavy duty swivel creeper seat with drawers

| | | |
|---|---|---|
| **2251-O** | 1 | 022510011 |

## 2252
seat with castors

| | | |
|---|---|---|
| **2252-O** | 1 | 022520001 |
| **2252-G** | 1 | 022520002 |
| **2252-R** | 1 | 022520003 |

## 2252KR4
spare seat castors 2252

| | | |
|---|---|---|
| **2252KR4** | 1 | 022520900 |

## 2258-O
heavy duty creeper with tool chest

| | | |
|---|---|---|
| **2258-O** | 1 | 022580011 |

## 2254A
car covers, for outdoor use, water-repellent and UV-resistant

These covers are ideal for protecting damaged vehicles while waiting to be repaired

Technical specifications
- exterior finish with UV protection treatment
- soft, nonscratch interior finish
- 6 adjustment strings for making cover fit close to car
- 2 front door zips to allow access to vehicle without having to remove cover
- mirror seats
- reflecting

3 versions:
- size M recommended for compact cars
- size L recommended for saloon cars and station wagons
- size XL recommended for SUVs

| | LxPxH mm | | |
|---|---|---|---|
| **/M** | 4400x1450 x1300 | 1 | 022540002 |
| **/L** | 5300x1450x1150 | 1 | 022540000 |
| **/XL** | 4700x1450x1580 | 1 | 022540001 |

## 2254C
suction cup protector for vehicles' bodies

**Made of plastic-coated fabric, with 4 suction cups on top side**

| | L1 mm | L2 mm | | |
|---|---|---|---|---|
| **2254C** | 1150 | 650 | 1 | 022540200 |

## 2254F
car front protector

Allows front part of vehicle to be protected, while leaving openings for headlights and radiator

- Waterproof
- Resistant to oil and grease
- Strap fixing
- Material: 98% polyamide/nylon, 2% polyurethane

| | | |
|---|---|---|
| **2254F** | 1 | 022540150 |

## 2254K
reusable seat, steering wheel and gear knob protector

**Suits most car seats, steering wheels and gear knobs**

| | | |
|---|---|---|
| **2254K** | 1 | 022540101 |

## 2254SM
creeper mat, made of EVA

**Double finish:**
- **1 side in soft EVA**
- **1 side in hard carbon look for improved slip performance**

| | | |
|---|---|---|
| **2254SM** | 1 | 022540033 |

## 2254T
kneeling pad

**made from non-slip EVA foam**

| | | |
|---|---|---|
| **2254T** | 1 | 022540047 |

## 3000M/LT
creeper

• PVC lining with upholstered foamed rubber designed for remarkable comfort

| | | |
|---|---|---|
| **3000M/LT** | 1 | 030000220 |

7,3 kg

## 3000M/RLS
spare creeper castors

| | | |
|---|---|---|
| **3000M/RLS** | 1 | 030000206 |

## 3002
creeper and seat

• Steel frame
• PVC lining with upholstery
• Easily convertible into a creeper or a seat

NOT AVAILABLE IN THE USA, CANADA AND MEXICO

| | | |
|---|---|---|
| **3002** | 1 | 030020001 |

## 3002/RLS
6 spare wheels for creeper 3002

| | | |
|---|---|---|
| **3002/RLS** | 1 | 030020501 |

## 3003
creeper
made of shockproof plastic

• Wheel Ø: 76 mm

| | | |
|---|---|---|
| **3003** | 1 | 030030001 |

## 3003/RLS
6 spare wheels for creeper 3003

| | | |
|---|---|---|
| **3003/RLS** | 1 | 030030501 |

## 3003C
creeper made of shockproof plastic

**Complete with:**
- head and lumbar region with carbon look finish
- upper metal plates for fixing magnetic accessories
- 6 rubber castors, 79 mm in diameter
- Max. capacity: 120 kg
- Weight: 5.5 kg

| | | |
|---|---|---|
| **3003C** | 1 | 030030100 |

## 3003C/RLS
6 spare wheels for creeper 3003C

| | | |
|---|---|---|
| **3003C/RLS** | 1 | 030030600 |

## 3003PRO
creeper made of shockproof plastic

**Complete with:**
- ergonomic head cushion
- soft back protector
- 2 178 mm double bearing castors for trouble-free use on uneven surfaces and pipes/cables
- 1 castor
- double height adjustment from the ground: 38 or 76 mm
- 2 portable LED lamps (250 lumens) with fixing magnets
- load capacity: 200 kg
- weight: 7.7 kg

| C max kg | H min mm | H Max mm | H1 mm | | |
|---|---|---|---|---|---|
| **200** | 170 | 230 | 230 | 1 | 030030150 |

## 3003PRO/SP
wall-mounted plastic support for creeper 3003PRO

**can be mounted to walls, bridge jacks, chests of drawers or other equipment, thereby allowing creeper to be fixed through a quick system with safety closure.**

| | | |
|---|---|---|
| **3003PRO/SP** | 1 | 030030151 |

## 3003PRO/PM
magnetic tool holder, round, for creeper item 3003PRO

**can be applied to wheel rims of creeper to retain small items during jobs**

| | | |
|---|---|---|
| **3003PRO/PM** | 1 | 030030152 |

## 3003PRO/RCR
spare rear wheels for creeper 3003PRO, pair

| | | |
|---|---|---|
| **3003PRO/RCR** | 1 | 030030650 |

## 3003PRO/RRG
spare front castor for creeper 3003PRO

| | | |
|---|---|---|
| 3003PRO/RRG | 1 | 030030651 |

## 3003PRO/RT
LED inspection lamp with spare magnets for creeper 3003PRO

- 250 lumens
- Batteries: 4xAAA (not included)

| | | |
|---|---|---|
| 3003PRO/RT | 1 | 030030652 |

## 3006
jack and positioner for tractor and excavator wheels

- max. capacity: 1,500 kg
- min. wheel diameter: 1,000 mm
- max. wheel diameter: 2,200 mm
- max. wheel thickness: 800 mm

CE

| | | |
|---|---|---|
| 3006 | 1 | 030060000 |

## 3006 R/RGF
spare castor with brake for wheel jack and positioner 3006

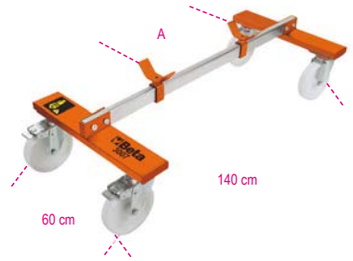
| | | |
|---|---|---|
| 3006 R/RGF | 1 | 030060501 |

## 3006 R/RG
spare castor for wheel jack and positioner 3006

| | | |
|---|---|---|
| 3006 R/RG | 1 | 030060502 |

## 3007
underbody trolley for vehicles without forecarriage / rear axle

Allows vehicles without forecarriage or rear axle to be easily handled while working
- 4 pivoting wheels, including 2 with brakes, suitable for use in painting furnaces
- 2 sliding supports to fit all chassis
- max. capacity: 800 kg




| | A Max mm | | |
|---|---|---|---|
| 3007 | 110 | 1 | 030070001 |

## 3007 R/RGF
spare castor with brake for vehicle underbody trolley 3007

| | | |
|---|---|---|
| 3007 R/RGF | 1 | 030070501 |

## 3007 R/RG
spare castor for vehicle underbody 3007

| | | |
|---|---|---|
| 3007 R/RG | 1 | 030070502 |

## 3008
jack and positioner for single and twin truck wheels

- max. capacity: 700 kg
- min. height: 140 mm
- max. height: 660 mm
- distance between rollers: 470÷740 mm
- hydraulic overloading safety device
- front pivoting wheels

CE

| | | |
|---|---|---|
| 3008 | 1 | 030080100 |

## 3009
wheel lifter

Maximum lifting capacity: 550 kg
4 pivoting rollers
Roller width: 200 mm
For wheels up to 240 mm in width

| A | B | | |
|---|---|---|---|
| 400÷850 mm | 600 mm | 1 | 030090001 |

## 3009R/GR4
4-wheel groups for trolleys 3009 R/GR4

| | | |
|---|---|---|
| 3009R/GR4 | 1 | 030090501 |

## 3010/T...
jack stands, pair

| C max kg | H min mm | H max mm | H1 mm | L mm | L1 mm | |
|---|---|---|---|---|---|---|
| 2000 | 280 | 425 | 245 | 185 | 165 | |
| **3010T 2** | | | | | | 1 030100002 |
| 3000 | 285 | 430 | 250 | 180 | 195 | |
| **3010T 3** | | | | | | 1 030100003 |
| 6000 | 400 | 580 | 340 | 245 | 280 | |
| **3010T 6** | | | | | | 1 030100006 |
| 10000 | 471 | 735 | 420 | 330 | 290 | |
| **3010T 10** | | | | | | 1 030100010 |

## 3011/T
hydraulic bottle jacks

CE

| C max kg | H min mm | H Max mm | L mm |
|---|---|---|---|
| 3500 | 170 | 366 | 86 |

**3011T 3,5** — 1 — 030110035

| C max kg | H min mm | H Max mm | L mm |
|---|---|---|---|
| 5000 | 203 | 467 | 118 |

**3011T 5** — 1 — 030110050

| C max kg | H min mm | H Max mm | L mm |
|---|---|---|---|
| 10000 | 220 | 484 | 114 |

**3011T 10** — 1 — 030110100

| C max kg | H min mm | H Max mm | L mm |
|---|---|---|---|
| 15000 | 230 | 497 | 113 |

**3011T 15** — 1 — 030110150

| C max kg | H min mm | H Max mm | L mm |
|---|---|---|---|
| 20.000 | 245 | 521 | 115 |

**3011T 20** — 1 — 030110200

## 3010H
heavy-duty jack stands

| C Max kg | H min mm | H Max mm | L mm | L1 mm |
|---|---|---|---|---|
| 15,000 | 450 | 750 | 300 | 300 |

**3010H 750** — 1 — 030100150

| C Max kg | H min mm | H Max mm | L mm | L1 mm |
|---|---|---|---|---|
| 15,000 | 650 | 1100 | 300 | 300 |

**3010H 1100** — 1 — 030100165

## 3010V
heavy-duty jack stands, screw adjustable

| C Max kg | H min mm | H Max mm | L mm | L1 mm |
|---|---|---|---|---|
| 20,000 | 470 | 680 | 300 | 300 |

**3010V 680** — 1 — 030100200

| C Max kg | H min mm | H max mm | L mm | L1 mm |
|---|---|---|---|---|
| 20,000 | 680 | 1170 | 300 | 300 |

**3010V 1170** — 1 — 030100220

## 3012
engine brackets

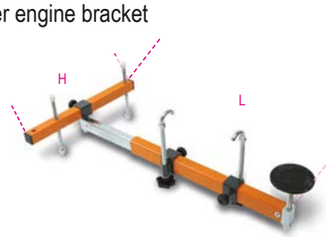
| L mm | C max kg | | |
|---|---|---|---|
| **1500** | 500 | 1 | 030120010 |
| **1800** | 400 | 1 | 030120018 |

## 3012C
lower engine bracket

**ideal for cars and commercial vehicles**

**3012C** — 1 — 030120255

## 3012I
lower engine bracket




| | L mm | H mm | | |
|---|---|---|---|---|
| **3012I** | 630÷960 | 190 | 1 | 030120250 |

## 3014
engine stand

**3014** — 1 — 030140010

## 3014R/GR5
5 spare wheels for engine stand 3014

**3014R/GR5** — 1 — 030140501

## 3014 SAR
folding engine stand

- **Easy to fold up, for significantly increased compactness**
- **Allows 360° rotation of engine or gear**
- **Provides unparalleled safety and stability during jobs**

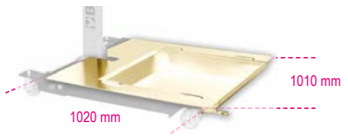
**Maximum capacity: 450 kg**

**3014SAR** — 1 — 030140360

## 3014SAR/RR
4 spare wheels for engine stand 3014SAR

**3014SAR/RR** — 1 — 030140370

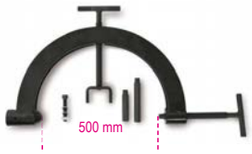
## 3014SAR/1
fluid collection tank
for item 3014 SAR




| | | |
|---|---|---|
| **3014SAR/1** | 1 | 030140361 |

1020x1010x11 mm

## 3014SAR/2
clamp for fixing transmission gear on stand
item 3014 SAR




| | | |
|---|---|---|
| **3014SAR/2** | 1 | 030140362 |

## 3023
pit and under bridge jack
with screw adjustment
**maximum carrying capacity: 400 kg**

| | H min-Max mm | Ø mm | | |
|---|---|---|---|---|
| **3023** | 1350÷2030 | 300 | 1 | 030230050 |

## 3025
folding hydraulic crane with dual effect pump

**Maximum capacity: 1 t**

CE

| | | | |
|---|---|---|---|
| **3025** | 3025 | 1 | 030250001 |

## 3025/RF
2 spare fixed wheels for hydraulic crane 3025

| | | |
|---|---|---|
| **3025/RF** | 1 | 030250901 |

## 3025/RG
2 spare swivel wheels for hydraulic crane 3025

| | | |
|---|---|---|
| **3025/RG** | 1 | 030250902 |

## 3025/PF
barrel handling pliers

**Maximum capacity: 300 kg**

CE

| | A mm | B mm | | |
|---|---|---|---|---|
| **3025/PF** | 550÷640 | 70 | 1 | 030250011 |

## 3026 0,3
hydraulic pit and under bridge jack

CE

| | | | |
|---|---|---|---|
| **3026 0,3** | | 1 | 030260003 |

## 3026/R0,3
4 spare swivel wheels for hydraulic jack 3026
0,3

| | | |
|---|---|---|
| **3026/R 0,3** | 1 | 030260903 |

## 3026 0,5
hydraulic pit and under bridge jack

**Maximum capacity: 500 kg**

CE

| | | | |
|---|---|---|---|
| **3026 0,5** | | 1 | 030260005 |

## 3026/R0,5
4 spare swivel wheels for hydraulic jack 3026
0,5

| | | |
|---|---|---|
| **3026/R 0,5** | 1 | 030260905 |

## 3026 1,0
hydraulic pit and under bridge jack

**Maximum capacity: 1 t**

CE

| | | | |
|---|---|---|---|
| **3026 1,0** | | 1 | 030260010 |

## 3026/R 1,0

4 spare swivel wheels for hydraulic jack item 3026 1,0

| | | |
|---|---|---|
| 3026/R 1,0 | 1 | 030260910 |

## 3026/S

swivel transmission gear support with reduction bushes for jacks item 3026

**Maximum capacity: 500 kg**

| | | |
|---|---|---|
| 3026/S | 1 | 030260501 |

## 3026/SP

universal transmission support

**Allows one operator to disassemble and reassemble any transmissions of cars, commercial vehicles and off-roaders quickly and safely.**

| | | |
|---|---|---|
| 3026/SP | 1 | 030260505 |

## 3026/SA

wheel hub support for pit jacks

- **for use for maintenance jobs relating to hubs, and during shock absorber replacement jobs**
- **can be adapted to hubs items 3026 0,3 and 3026 0,5**

| | Ø mm | | |
|---|---|---|---|
| 3026/SA | 30,4 | 1 | 030260510 |

## 3026/SAM

shock absorber support for pit jacks

- **for use for supporting shock absorber when suspension arm is removed**
- **shock absorber bracket, max. diameter 80 mm, plus adapter for max. diameters 60 mm**
- **can be adapted to hydraulic pit jacks items 3026 0.3 and 3026 0.5**

| | | |
|---|---|---|
| 3026/SAM | 1 | 030260515 |

## 3027 10

hydraulic bench press with moving piston

**Maximum capacity: 10 t**

| | | |
|---|---|---|
| 3027 10 | 1 | 030270010 |

90 kg

## 3027 20

hydraulic press with moving piston 20 t

**Maximum capacity: 20 t**

| | | |
|---|---|---|
| 3027 20 | 1 | 030270020 |

## 3027 30

hydraulic press with moving piston and hoist

**Maximum capacity: 30 t**

| | | |
|---|---|---|
| 3027 30 | 1 | 030270030 |

## 3027 50

hydraulic press with moving piston and hoist

**Maximum capacity: 50 t**

| | | |
|---|---|---|
| 3027 50 | 1 | 030270050 |

## 3027 100

motorized electro-hydraulic press with moving piston

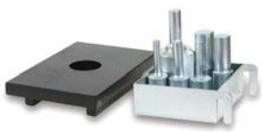
technical specifications:
- maximum capacity: 100 t
- power supply: 380 V (three-phase)
- frequency: 50 Hz
- electric motor power: 1.5 kW
- double speed control unit
- operated by a lever distributor
- pallet lifting by means of chains

- For transportation safety reasons, the press is sold without oil (Eni OSO 46 - ESSO NUTO 46 or equivalent oils).
- Power supply cord is not included.

| | | |
|---|---|---|
| **3027 100** | 1 | 030270100 |

## 3027/KP

set of pin punches and plate for press item 3027



| | | | |
|---|---|---|---|
| **3027/KP10** | 3027 10 | 1 | 030270510 |
| **3027/KP20** | 3027 20 | 1 | 030270520 |
| **3027/KP30** | 3027 30 | 1 | 030270530 |
| **3027/KP50** | 3027 50 | 1 | 030270550 |
| **3027/KP100** | 3027 100 | 1 | 030270551 |

## 3027/KPP50

pedal control for hydraulic press item 3027 20-30-50

| | | |
|---|---|---|
| **3027/KPP50** | 1 | 030270555 |

## 3027/PR

press supporting tool for removal/insertion of hubs, bearings and silent blocks

Universal system which allows user to mount/dismount hubs, bearings and silent blocks into/from their housings by operating under a press, through a supporting base and its accessories. Tool can adapt to irregular geometric shapes of hubs/king pins on which operator must work.

**Technical Data:**
- Working range: min. 130 mm - max. 186 mm
- Dimensions: 300 x 300 mm
- Weight: 13 kg
- Max. load-bearing capacity: 20 t

| | | |
|---|---|---|
| **3027/PR** | 1 | 030270400 |

## 3029/2T

lowered hydraulic jack, 2 t, with 4 wheels

- **Quick approach pedal**
- **Steel frame and nylon wheels**
- **Minimum height: 75 mm**

| | | |
|---|---|---|
| **3029/2T** | 1 | 030290020 |

## 3029L/2T

long, lowered jack, 2 t

**Makes it possible to work on vehicles with reduced height from the ground and internal lifting point**
- **Controlled descent speed**
- **Quick approach pedal**
- **Nylon wheels**

| | | |
|---|---|---|
| **3029L/2T** | 1 | 030290120 |

## 3029/2T-L/RP

spare 85-mm rubber plate for items 3029/2T and 3029L/2T

| | | |
|---|---|---|
| **3029/2T-L/RP** | 1 | 030290502 |

## 3029/2T-L/R6

spare rear wheel for items 3029/2T and 3029L/2T

| | | |
|---|---|---|
| **3029/2T-L/R6** | 1 | 030290506 |

## 3029/2T-L/R5

spare front wheel for jacks item 3029/2T and item 3029L/2T

| | | |
|---|---|---|
| **3029/2T-L/R5** | 1 | 030290505 |

## 3030/2T

lowered car jack, 2 t with 6 wheels

- **dual front tilting wheels made of plastic material (PTFE)**
- **car jack can be easily handled on uneven, irregular floors**
- **maximum capacity: 2 tons**

| | | |
|---|---|---|
| **3030/2T** | 1 | 030300020 |

43 kg

## 3030/2T-R5

front wheel with pin for jack 3030 2T

| | | |
|---|---|---|
| **3030 2T/R5** | 1 | 030300505 |

## 3030/2T-R6

spare rear wheel for item 3030/2T

| | | |
|---|---|---|
| 3030 2T/R6 | 1 | 030300506 |

## 3030/2TRP

spare 85-mm rubber plate
for item 3030/2T

| | | |
|---|---|---|
| 3030/2TRP | 5 | 030300501 |

## 3030H/2T

high-lift hydraulic jack,
2 t, with 6 wheels

**makes it possible to work on vehicles that are high from the ground and have a long shock absorber travel • controlled descent speed**

- **quick approach pedal**
- **nylon wheels**

CE

| H min-Max mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 85÷780 | 1010 | 300 | 1 | 030300220 |

## 3033/3T

hydraulic jack, 3t
long version

- **For use on commercial vehicles**
- **Maximum capacity: 3 t**
- **Polyamide wheels**

CE

| | | |
|---|---|---|
| 3033/3T | 1 | 030330030 |

## 3033E/3T

hydraulic jack,
3 t

- **controlled descent speed**
- **nylon wheels**

CE

| H min-Max mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 95÷515 | 700 | 370 | 1 | 030330130 |

## 3033S 3T/R2

spare front wheel
for jack 3033E/3T

| | | |
|---|---|---|
| 3033S 3T/R2 | 1 | 030330532 |

## 3035

tyre trolley

**-2 castors Ø 260 mm**
**-2 castors Ø 125 mm**
**-Maximum carrying capacity: 200 kg**
**-Forks can be adjusted in 2 positions:**
**first position: maximum opening 880 mm**
**second position: maximum opening 980 mm**
**-Can be used as a top by locking position horizontally**

| | | |
|---|---|---|
| 3035 | 1 | 030350100 |

## 3036

wheel handling base

**Non-marking rubber castors**

| | | |
|---|---|---|
| 3036 | 1 | 030360063 |

## 3061/2T

air hydraulic jack, 2 tons - 2 stages

CE

Fitted with:
- high-resistance three-layer diaphragm and internal telescopic guide
- end-of-stroke stop and overloading safety valve
- can also be used on auto lifts

TECHNICAL DATA
capacity: 2 t
weight: 14 kg
power supply pressure: 8-10 bar
height: min.132 - max. 326 mm

| | | |
|---|---|---|
| 3061/2T | 1 | 030610020 |

## 3061/2T-P50

50-mm extension for item 3061/2T

| | | |
|---|---|---|
| 3061/2T P50 | 1 | 030610021 |

## 3061/2T-P100

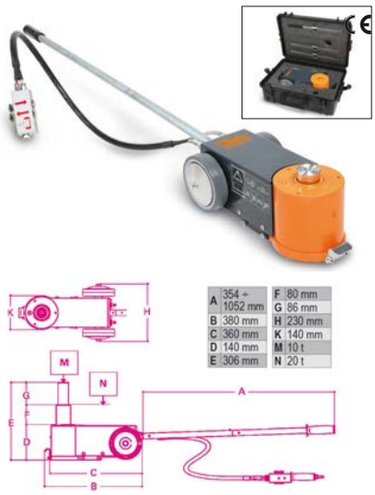
100-mm extension for item 3061/2T

| | | |
|---|---|---|
| 3061/2T P100 | 1 | 030610022 |

## 3065/20-10T

air hydraulic jack, 20-10 t,
with case

Portable and lightweight, ideal for road assistance operations



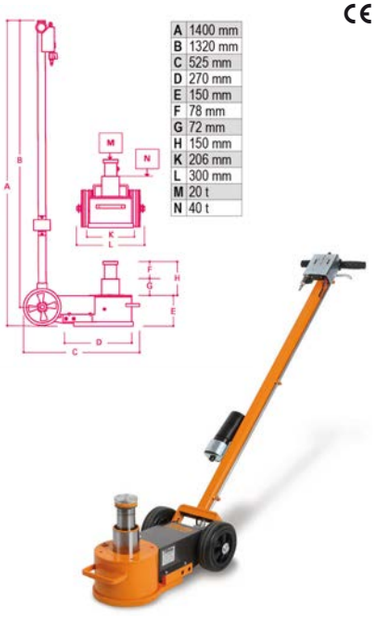

• Supplied with two extensions, 75 and 60 mm long

TECHNICAL DATA
capacity: 20-10 t
weight: 23 kg
power supply pressure: 8-10 bar
air consumption: 400 nl/min

| | | |
|---|---|---|
| **3065/20-10T** | 1 | 030650100 |

## 3065/40-20T

air hydraulic jack, 40/20 tons




• suitable for use on heavy vehicles
• functional and easy to handle, for transportation on mobile repair shops as well
• automatic piston return
• two descent valves with under load speed control

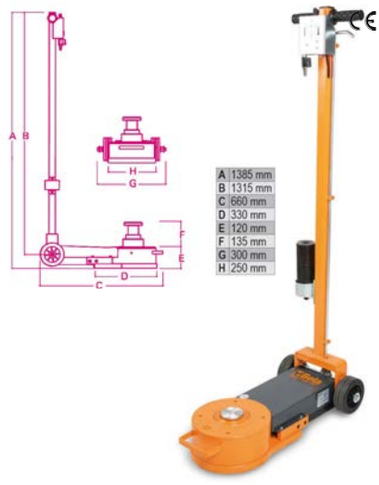
TECHNICAL DATA
capacity: 40/20 tons
weight: 39 kg
power supply pressure: 8-10 bar
air consumption: 400 l/min

| | | |
|---|---|---|
| **3065/40 20T** | 1 | 030650200 |

## 3067/60-15T

air hydraulic jack, 60-30-15 t

With a minimum height of no more than 120 mm,
it is particularly suitable for use on buses, coaches and public means of transport



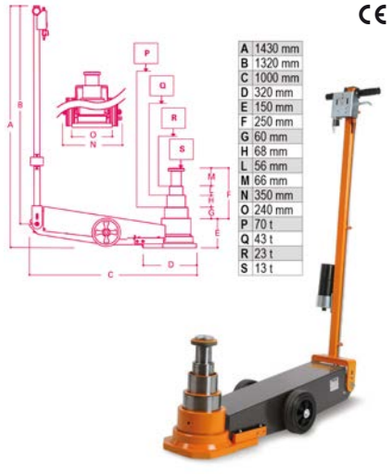

• Automatic piston return
• Two descent valves with under load speed control
• supplied with two extensions, 70 and 120 mm long

TECHNICAL DATA
capacity: 60-30-15 t
weight: 56 kg
power supply pressure: 8-10 bar
air consumption: 600 l/min

| | | |
|---|---|---|
| **3067/60-30-15T** | 1 | 030670120 |

## 3067/70-13T

air hydraulic jack, 70-43-23-13 t




Long version, suitable for use on lorries, articulated vehicles, buses and coaches, and agricultural machines
• automatic piston return
• two descent valves with under load speed control

TECHNICAL DATA
capacity: 70-43-23-13 tons
weight: 74 kg
power supply pressure: 8-10 bar
air consumption: 600 l/min

| | | |
|---|---|---|
| **3067/70 13T** | 1 | 030670130 |

# MOTORCYCLE
## TOOLS

Beta's products are synonymous with unparalleled quality and reliability, as the result of eighty years of experience and tradition.
Our products are regularly updated, their quality being highly appreciated by the engineers and mechanics of the best racing teams in the Road Racing World Championship Grand Prix, Superbike World Championship, Motocross World Championship and World Enduro Championship.

## 3040C

rear motorcycle stand, adjustable

- Matt black lacquer
- 4 thermoplastic rubber wheels
- Includes V-shaped sliders, pair
- Includes L-shaped sliders, pair

| | | |
|---|---|---|
| 3040C | 1 | 030400002 |

## 3040C/S1

V-shaped sliders, pair, for item 3040C

| | | |
|---|---|---|
| 3040C/S1 | 1 | 030400503 |

## 3040C/S2

rubber L-shaped sliders, pair, for item 3040C

| | | |
|---|---|---|
| 3040C/S2 | 1 | 030400504 |

## 3041C

front motorcycle stand, adjustable

- Matt black lacquer
- 4 thermoplastic rubber wheels
- Includes roller sliders, pair
- Includes cone-shaped sliders, pair

| | | |
|---|---|---|
| 3041C | 1 | 030410002 |

## 3041C/12

roller sliders, pair, for item 3041C

| | | |
|---|---|---|
| 3041C/12 | 1 | 030410512 |

## 3041C/16

cone-shaped sliders, for item 3041C

| | | |
|---|---|---|
| 3041C/16 | 1 | 030410516 |

## 3042C

front stand for motorcycle steering pin

- Matt black lacquer
- 4 thermoplastic rubber wheels
- Includes 8-pin kit Ø 13 - 15 - 15.5 - 17 - 19 - 20 - 21 - 27

| | | |
|---|---|---|
| 3042C | 1 | 030420002 |

## 3043C

motorcycle stand with left single arm

- Matt black lacquer
- 4 thermoplastic rubber wheels
- Optional pin

| | | |
|---|---|---|
| 3043C | 1 | 030430002 |

## 3043C/ 41÷47

pin for item 3043C

| | Ø mm | | |
|---|---|---|---|
| **3043C/41** Ducati | 21,5 ÷ 25,5 | 1 | 030430551 |
| **3043C/42** KTM - Triumph | 27,5 | 1 | 030430552 |
| **3043C/43** MV | 42,5 | 1 | 030430553 |
| **3043C/44** Ducati | 40,5 | 1 | 030430554 |
| **3043C/45** Honda | 28,5 | 1 | 030430555 |
| **3043C/47** BMW | 53,5 | 1 | 030430557 |

## 3047C

pedal stand for cross/enduro motorcycles

| | | |
|---|---|---|
| 3047C | 1 | 030470002 |

## 3048C

Steel racing cross stand

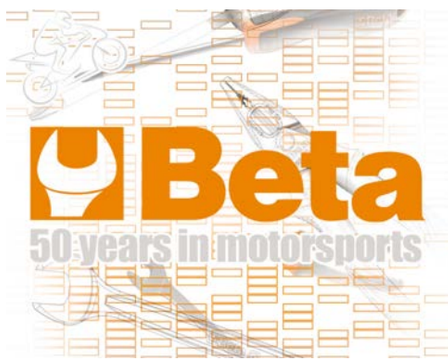
| | | |
|---|---|---|
| 3048C | 1 | 030480002 |

## 3050/CC

chock cradle centre stand for Custom, Enduro, Cross, Scooter motorcycles

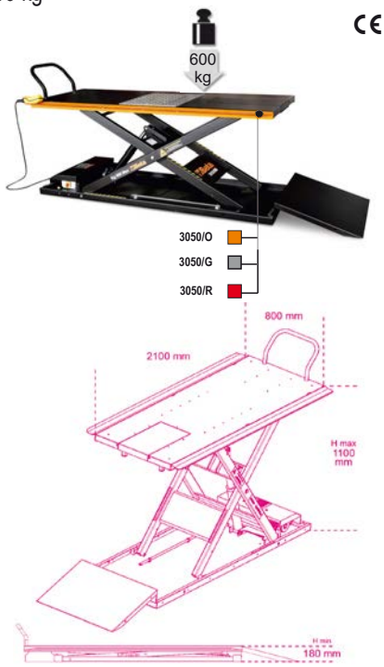
**includes adjustable support kit**

| | | |
|---|---|---|
| 3050/CC | 1 | 030500012 |



## 3050/600

electro-hydraulic motorcycle jack, 600 kg

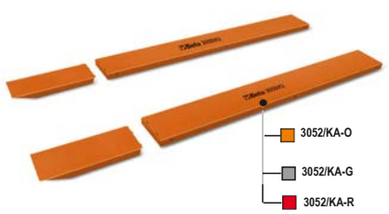



**Technical specifications:**
- Electrical, mechanical and hydraulic safety devices
- Capacity: 600 kg
- Integrated electro-hydraulic unit: 230V - 50 Hz
- Hydraulic pump
- Controlled downward speed
- Safety fuses for protection in case of cable cuts
- Control push button panel
- CE-certified, TÜV-approved

| | L mm | L mm | H min mm | H Max mm | | |
|---|---|---|---|---|---|---|
| **3050/O** | 975 | 2100 | 185 | 1110 | 1 | 030500201 |
| **3050/G** | 975 | 2100 | 185 | 1110 | 1 | 030500202 |
| **3050/R** | 975 | 2100 | 185 | 1110 | 1 | 030500203 |

## 3050/KA

widening kit for jack item 3050/600




| | A mm | B mm | | |
|---|---|---|---|---|
| **3050/KA-O** | 107,5 | 2100 | 1 | 030500221 |
| **3050/KA-G** | 107,5 | 2100 | 1 | 030500222 |
| **3050/KA-R** | 107,5 | 2100 | 1 | 030500223 |

## 3050/MS

wheel clamp for jack item 3050/600

**allows motorcycle front wheel to be locked to bridge**

| | | |
|---|---|---|
| **3050/MS** | 1 | 030500032 |

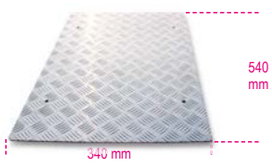
## 3050/MV

mechanical screw wheel clamp for jack 3050/600

| | | |
|---|---|---|
| **3050/MV** | 1 | 030500034 |

## 3050/LA

non-slip sheet metal top for jack item 3050/600

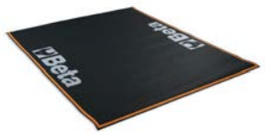



| | | |
|---|---|---|
| **3050/LA** | 1 | 030500062 |

## 9562T1

garage mat, 100X80 cm

**particularly suitable for use under motorcycle tyre levers BETA 3071 and 3071B**
**• easy to clean, anti-skid rubber coated bottom**




| | | |
|---|---|---|
| **9562T1** | 1 | 095620150 |

## 9562T3

garage mat, 300x160 cm

**- particularly suitable for use under motorcycle jacks**

**- protects floor from oil and petrol leaks, environmentally friendly**
**- easy to clean, anti-skid, rubber-coated bottom**

| | | |
|---|---|---|
| **9562T3** | 1 | 095620300 |

## 3054

moving base for central stand or motorcycle rear wheel with extension for side stand

| | | |
|---|---|---|
| **3054** | 1 | 030540000 |

## 3055M

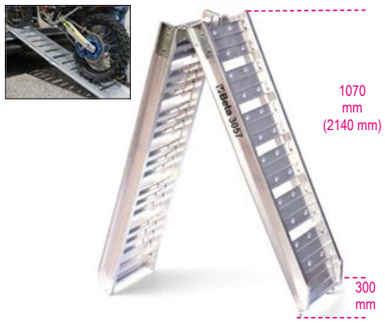
automatic van clamp

**Allows motorcycle front wheel to be fixed**

| | | |
|---|---|---|
| **3055M** | 1 | 030550002 |

## 3057

aluminium ramp for loading/unloading motorcycles




| | | |
|---|---|---|
| **3057** | 1 | 030570001 |

## 3070B

manual static balancer

- Allows wheel balancing both in the workshop and on racing tracks
- Equipped with rolling bearings, rabbet level and adjustable feet for unparalleled precision
- Comes with 2 hub cones

| | | |
|---|---|---|
| **3070B** | 1 | 030700100 |

## 3070B/...

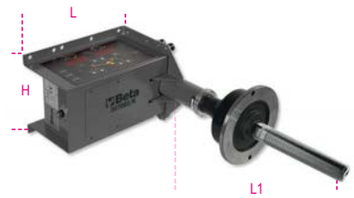
balancing rod
for balancer 3070B

| | Ø1 | Ø2 | | |
|---|---|---|---|---|
| **3070B/10** | 30 | 10 | 1 | 030700101 |
| **3070B/12** | 30 | 12 | 1 | 030700102 |
| **3070B/14** | 40 | 14 | 1 | 030700103 |

## 3070BE/K

electronic hand-spin wheel balancer, portable

balancing system with hand-spin microprocessor (without motor), for balancing iron or alloy car and motorcycle wheels



**Features:**
- Compact and easy to carry, for use in garages, trucks or track pits
- Can be mounted to a workbench or a wall
- Software includes all unbalance correction programmes, reading of positions with adhesive weights (ALUS), weights hidden behind spokes (SPLIT) and unbalance optimization
- Can be used with swivel support BETA 3070BE/S (optional)

**Accessories supplied with wheel balancer:**
- Flexible graduated ruler
- Ring nut with handwheel and 3 cones Ø 45 ÷ 110 mm

**Technical data:**
- Power supply: 115-230V AC o 12-24V DC
- Max. absorbed power: 0.15 kW
- Balancing speed: 100 rpm
- Measurement uncertainty: 1 g
- Rim width: 1.5" ÷ 20" (40 ÷ 510 mm)
- Max. weight wheel: 75 kg

| | | |
|---|---|---|
| **3070BE/K** | 1 | 030700250 |

## 3070BE/S

swivel support for portable electronic wheel balancer item 3070BE

**allows wheel balancer to be fixed to a wall or a workbench, thereby resulting in reduced installation space**

| | L mm | L1 mm | | |
|---|---|---|---|---|
| **3070BE/S** | 514 | 280 | 1 | 030700201 |

## 3070BE/F

universal motorcycle flange, Ø 40 mm, for item 3070BE

**for use on wheels with central through-holes, Ø 15 ÷ 35 mm, and on flanged wheels with truing up to Ø 68 mm**

| | | |
|---|---|---|
| **3070BE/F** | 1 | 030700202 |

## 3070BE/B

kit of 8 motorcycle wheel truing sockets for item 3070BE

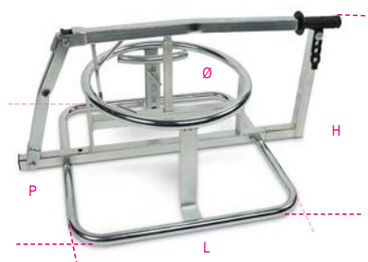
**Designed to work on following diameters:**
**28 - 25 - 22 - 20 - 19.05 - 17 - 16 - 15**

| | | |
|---|---|---|
| **3070BE/B** | 1 | 030700203 |

## 3071A

manual tyre lever for cross and enduro motorcycles

**Allows easy and quick tyre removal in racing fields; based on sturdy, wide frame made of galvanized steel, it provides firmness during tyre removal. Can be installed on BETA 3071RS bracket, for increased convenience**
**Features:**
- **Ergonomic rubber handle, for easy, safe lever hold**
- **With rubber retainer for locking rod during transportation**
- **Can be used to install cross and enduro tyres, 17" ÷ 21".**

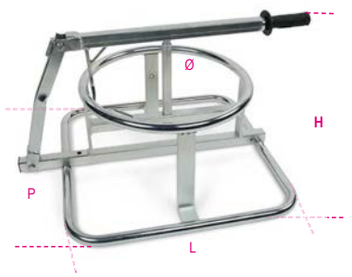



| | L mm | H mm | P mm | Ø mm | | |
|---|---|---|---|---|---|---|
| **3071A** | 570 | 400 | 850 | 440 | 1 | 030710000 |

## 3071B

manual tyre lever for mini bikes and mini dirt bikes

**Allows easy and quick tyre removal in racing fields; based on sturdy, wide frame made of galvanized steel, it provides firmness during tyre removal. Can be installed on BETA 3071RS bracket, for increased convenience**
**Features:**
**• Ergonomic rubber handle, for easy, safe lever hold**
**• Can be used to install most mini bike and mini dirty bike tyres.**

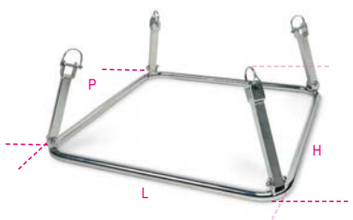



| | L mm | H mm | P mm | Ø mm | | |
|---|---|---|---|---|---|---|
| **3071B** | 570 | 330 | 650 | 340 | 1 | 030710010 |

## 3071RS

bracket for BETA 3071A and 3071B tyre levers

**Used to elevate BETA 3071A and 3071B tyre levers, making tyre removal easier; frame made from galvanized steel, with square base for increased firmness.**
**• With 4 fixing hooks**




| | L mm | H mm | P mm | | |
|---|---|---|---|---|---|
| **3071RS** | 670 | 275 | 670 | 1 | 030710020 |

## 962C

tyre levers, pair,
for cross and enduro motorcycles, mini bikes and mini dirty bikes

**for use in combination with BETA 3071A and 3071B**

| | L mm | A mm | | |
|---|---|---|---|---|
| **962C** | 420 | 30 | 1 | 009620020 |

## 3072N

workbench rear motorcycle shock absorber dismantler, manual

**Allows totally safe motorcycle rear shock absorber dismantling; based on its adjustable arms, it suits most rear shock absorbers; alternatively, it can be used with the supplied plate.**
**- optional locking rings**

**Features**
**• Suitable for use on most motorcycle rear shock absorbers**
**• Vertically adjustable in 8 positions**
**• 3 adjustable arms with vertically adjustable retainers**
**• shock absorber locking plate**
**• with pantograph jack**
**• with rubber feet**
**• with shock absorber lock pin**

**Technical data**
**Jack extension: max. 130 mm**
**Arm extension: max. 55 mm**
**Retainer extension: max. 18 mm**
**Thrust: max. 1 t**

| | L mm | H mm | P mm | | |
|---|---|---|---|---|---|
| **3072N** | 390 | 785 | 390 | 1 | 030720010 |

## 3073

universal fork oil seal driver fitting tool

**for fork tube diameters 35 ÷ 48 mm**

| | | |
|---|---|---|
| **3073** | 1 | 030730001 |

## 3075A

hexagon socket
for wheel hub nuts

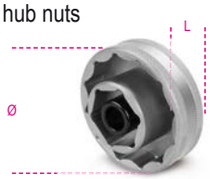
12"

| | ⌀ mm | Ø mm | L mm | | |
|---|---|---|---|---|---|
| **3075A 28** | 28 | 38 | 30 | 1 | 030750028 |
| **3075A 30** | 30 | 40 | 30 | 1 | 030750030 |

## 3075B

bi-hex socket
for wheel hub nuts

12"

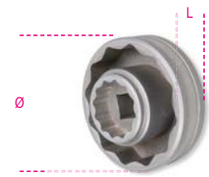



| | ⌀ mm | Ø mm | L mm | | |
|---|---|---|---|---|---|
| **3075B 55** | 55 | 70,7 | 25 | 1 | 030750155 |

## 3075MV

bi-hex socket for MV AGUSTA wheel hub nuts

12"




| | ⌀ mm | Ø mm | L mm | | |
|---|---|---|---|---|---|
| **3075MV 56** | 56 | 70,7 | 30 | 1 | 030750156 |

## 3075/CM

multiple hexagon socket
for wheel pins

| | | |
|---|---|---|
| **3075/CM** | 1 | 030750212 |
| 12-14-17-19-22-24 mm | | |

## 3075/K10

set with a universal wrench with interchangeable head
and 10 bits, for tightening wheel spokes

**Sizes: 5.2 - 5.4 - 5.6 - 5.8 - 6.0 - 6.2 - 6.4 - 6.6 - 6.8 - 7.0**

| | | |
|---|---|---|
| **3075/K10** | 1 | 030750410 |

## 3079/21

cable oiler

**Allows proper lubrication**
**of clutch cables and gas control,**
**for increased sheath smoothness and cable duration.**

| | | |
|---|---|---|
| **3079/21** | 1 | 030790021 |

## 3080/C15

chain opening and riveting kit

**ø 3-4-5 mm and Regina kit**

| | | |
|---|---|---|
| **3080/C15** | 1 | 030800015 |

420x185x60 mm

## 3080R/CS3

kit with 3 spare pin punches for chain tool 3080/C15

**ø 3-4-5 mm**

| | | |
|---|---|---|
| **3080R/CS3** | 1 | 030800503 |

## 3081

portable chain tool

**Sturdy and foldable, easily fitting into enduro tool bags.**
**Suitable for chain sizes 415, 420, 428, 520, 525, 530, 532**

| | | |
|---|---|---|
| **3081** | 1 | 030810010 |

## 3085

tool for retracting brake pistons

**Suitable for motorcycle and scooter brake callipers**

| | | |
|---|---|---|
| **3085** | 1 | 030850010 |

## 3091

flywheel pullers with internal thread

| | M | | |
|---|---|---|---|
| **3091/10** | 24x1,5 | 1 | 030910010 |
| **3091/20** | 26x1,0 | 1 | 030910020 |
| **3091/30** | 28x1,0 | 1 | 030910030 |
| **3091/40** | 30x1,0 | 1 | 030910040 |
| **3091/45** | 30x1,5 | 1 | 030910045 |
| **3091/50** | 32x1,5 | 1 | 030910050 |
| **3091/60** | 33x1,5 | 1 | 030910060 |
| **3091/70** | 35x1,0 | 1 | 030910070 |
| **3091/75** | 35x1,5 | 1 | 030910075 |
| **3091/80** | 38x1,5 | 1 | 030910080 |

## 3092

flywheel pullers with external thread

| | M | | |
|---|---|---|---|
| **3092/10** | 18x1,5 | 1 | 030920010 |
| **3092/20** | 19x1,0 | 1 | 030920020 |
| **3092/30** | 27x1,25/20x1 | 1 | 030920030 |
| **3092/35** | 22-26x1,5 | 1 | 030920035 |
| **3092/40** | 25x1,5/22x1 | 1 | 030920040 |
| **3092/50** | 26-28x1,0 | 1 | 030920050 |
| **3092/60** | 28x1,5 | 1 | 030920060 |

## 3093/E

tool for locking flywheel, clutch bell and pulleys

| | | |
|---|---|---|
| **3093/E** | 1 | 030930100 |

## 3093/U

multiple flywheel puller

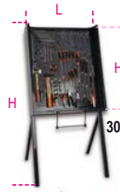
| | | |
|---|---|---|
| **3093/U** | 1 | 030930050 |
| M10x1.25R | | |
| M14x1.5R | | |
| M16x1.5R | | |
| M18x1.5R | | |
| M24x1.0R | | |
| M27x1.0L | | |

## 3094PA

OFFROAD motorcycle breakdown service panel

**Metal frame; legs can be folded into frame; recommended for tool arrangement in racing fields**
**available in 3 colours:**
- **3094PA-O Orange**
- **3094PA-G Grey**
- **3094PA-R Red**

**Optional accessories:**
- **paper roll holder 3200 PR**
- **magnetic universal bottle holder 2499PF/M**



| | L mm | H mm | H1 mm | | |
|---|---|---|---|---|---|
| **3094PA-O** | 750 | 1555 | 900 | 1 | 030940101 |
| **3094PA-G** | 750 | 1555 | 900 | 1 | 030940102 |
| **3094PA-R** | 750 | 1555 | 900 | 1 | 030940103 |

## 3099E

outdoor motorcycle cover, water and dust resistant

protects paint from scratches, dust and sunlight

Size "M" recommended for sports and naked motorcycles and mid-size scooters
Size "L" recommended for maxi enduro and crossover motorcycles

| | | | |
|---|---|---|---|
| **3099E/M** | M | 1 | 030990102 |
| **3099E/L** | L | 1 | 030990103 |

## 3099T

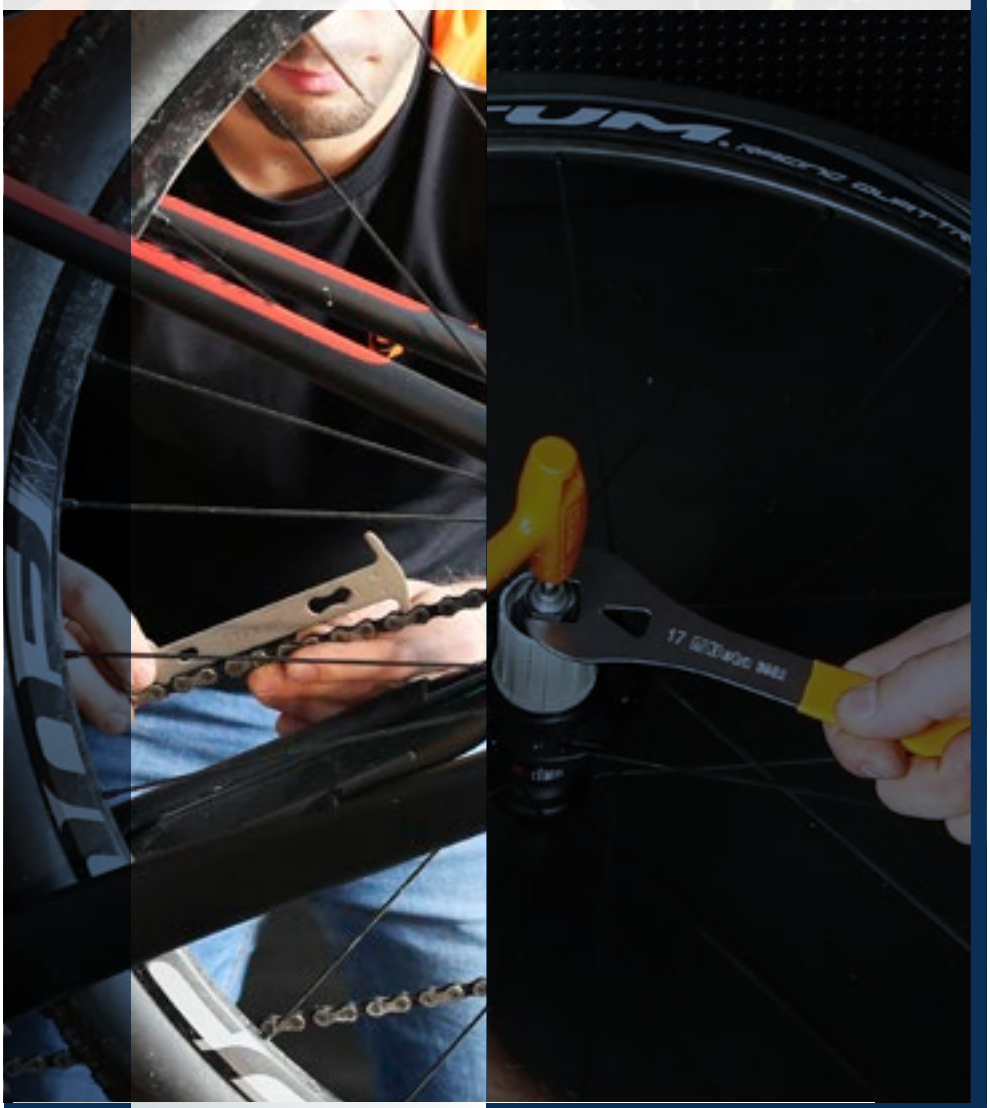
indoor motorcycle cover, made from stretch fabric

protects paint from scratches, dust and sunlight

Size "M" recommended for sports and naked motorcycles and mid-size scooters
Size "L" recommended for maxi enduro and crossover motorcycles
Size "XL" recommended for super touring motorcycles

| | | | |
|---|---|---|---|
| **3099T/M** | M | 1 | 030990202 |
| **3099T/L** | L | 1 | 030990203 |
| **3099T/XL** | XL | 1 | 030990204 |

# BICYCLE TOOLS



We partner UAE Team Emirates, which is led by the General Manager, Giuseppe Saronni, and competes at UCI World Tour level

*Partnership 2021*

## 3912TP

TOP workshop workbench for bicycle maintenance

- With support for central movement, with safety pin
- Tool drawer with ball bearing slides (490x365x90 mm)
- Built-in wheel truing stand
- Innovative thru-axle locking system

| | | |
|---|---|---|
| 3912TP | 1 | 039120050 |

## 3912PP

PRO workshop workbench for bicycle maintenance

- With support for central movement, with safety pin
- Built-in wheel truing stand
- Innovative thru-axle locking system

| | | |
|---|---|---|
| 3912PP | 1 | 039120150 |

## 3916TP/A

adapter socket for thru-axle forks

**For workbenches 3912TP and 3912PP**

| L mm | Ø mm | Ø1 mm | | |
|---|---|---|---|---|
| 39 | 30 | 5 | 1 | 039120052 |

## 3912TP/C

universal adapter socket for thru-axle forks, hexagon socket tightening

**For workbenches 3912TP and 3912PP**

| L mm | Ø mm | | |
|---|---|---|---|
| 29 | 30 | 1 | 039120054 |

## 3912TP/FOX

adapter sockets for FOX® forks

**For workbenches 3912TP and 3912PP**

| L mm | | |
|---|---|---|
| 38 | 1 | 039120058 |

## 3912TP/QRE

adapter pin for forks without thru-axles

**For workbenches 3912TP and 3912PP**

| L mm | | |
|---|---|---|
| 108 | 1 | 039120064 |

## 3912TP/ROAD

adapter socket for road forks

**For workbenches 3912TP and 3912PP**

| L mm | Ø mm | | |
|---|---|---|---|
| 33 | 35 | 1 | 039120060 |

## 3912TP/RS

adapter socket for ROCKSHOX® thru-axle forks

**For workbenches 3912TP and 3912PP**

| L mm | Ø mm | | |
|---|---|---|---|
| 35 | 30 | 1 | 039120056 |

## 3912TP/ST

adapter socket for SUNTOUR forks

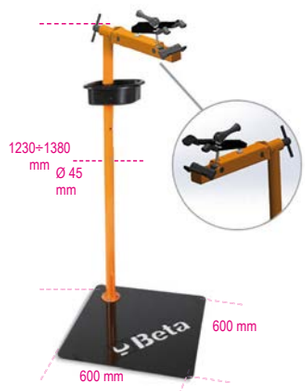
**For workbenches 3912TP and 3912PP**

| L mm | Ø mm | Ø1 mm | | |
|---|---|---|---|---|
| 31 | 30 | 18 | 1 | 039120062 |

## 3916MMP

workshop single-sided clamp for bicycle maintenance

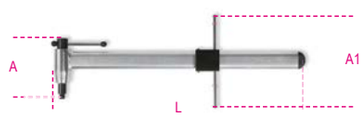
- **Clamp can be rotated 360°, with floating jaws and micrometric adjustment**
- **Carrying capacity: 25 kg**
- **Plastic tool tray**




| | | |
|---|---|---|
| 3916MMP | 1 | 039160150 |

## 3921

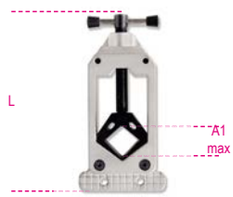
derailleur hanger alignment gauge




| L mm | A mm | A1 mm | | |
|---|---|---|---|---|
| 440 | 115 | 165 | 1 | 039210010 |

## 3923

blade guide tool for cutting airfoil shaped seatposts up to 80 mm and tubes 1" ÷ 1.1/2"




| L mm | A1 max mm | Ø max mm | | |
|---|---|---|---|---|
| 160 | 80 | 45 | 1 | 039230010 |

## 3927

handlebar clamp

| L mm | | |
|---|---|---|
| 3927 | 365 | 1 039270010 |

## 3932U

professional chain tool compatible with chains from 5 to 11 speeds

| L mm | L1 mm | | |
|---|---|---|---|
| 164 | 115 | 1 | 039320011 |

## 3935

chain wear indicator

| L mm | | |
|---|---|---|
| 120 | 1 | 039350010 |

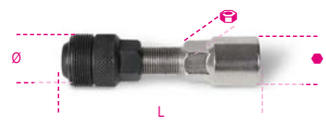
## 3937

missing link pliers

| L mm | | |
|---|---|---|
| 170 | 1 | 039370010 |

## 3948

crank extractor




| mm | L mm | Ø mm | ● mm | | |
|---|---|---|---|---|---|
| 14 | 79 | 20 | 15 | 1 | 039480015 |

## 3952
simple cone wrench

| mm | L mm | | |
|---|---|---|---|
| 13 | 205 | 2 | 039520013 |
| 14 | 205 | 2 | 039520014 |
| 15 | 205 | 2 | 039520015 |
| 16 | 205 | 2 | 039520016 |
| 17 | 205 | 2 | 039520017 |
| 18 | 205 | 2 | 039520018 |
| 19 | 205 | 2 | 039520019 |
| 20 | 205 | 1 | 039520020 |
| 21 | 205 | 1 | 039520021 |
| 22 | 205 | 1 | 039520022 |
| 24 | 205 | 1 | 039520024 |

| | | |
|---|---|---|
| **3952/S7**<br>13-14-15-16<br>17-18-19 mm | 1 | 039520207 |
| **3952/S11**<br>13-14-15-16<br>17-18-19-20-21-22-24 mm | 1 | 039520211 |

## 3953
pedal wrench

| mm | L mm | | |
|---|---|---|---|
| 15 | 401 | 1 | 039530015 |

## 3955
open end wrenches for universal headsets

| mm | L mm | | |
|---|---|---|---|
| 30x32 | 292 | 1 | 039550108 |
| 32x36 | 319 | 1 | 039550114 |

## 3961 3,2
spoke wrench, black, 3.2 mm

| □ mm | | |
|---|---|---|
| 3,2 | 1 | 039610032 |

## 3961 3,3
spoke wrench, green, 3.3 mm

| □ mm | | |
|---|---|---|
| 3,3 | 1 | 039610033 |

## 3961 3,5
spoke wrench, red, 3.5 mm

| □ mm | | |
|---|---|---|
| 3,5 | 1 | 039610035 |

## 3961U
professional spoke wrench, 3.2 - 4.0 mm

| □ mm | | |
|---|---|---|
| 3,2 - 4,0 | 1 | 039610100 |

## 3962SH
double spoke wrench for Shimano

| L mm | A1 mm | A2 mm | | |
|---|---|---|---|---|
| 132 | 4,3 | 4,4 | 1 | 039620010 |

## 3962MV
double spoke wrench for Mavic

| L mm | A1 mm | A2 mm | | |
|---|---|---|---|---|
| 135 | 4,3 | 8,4 | 1 | 039620020 |

## 3963P
special wrench for flat spokes

| L mm | | |
|---|---|---|
| 129 | 1 | 039630010 |

## 3964
special nipple driver

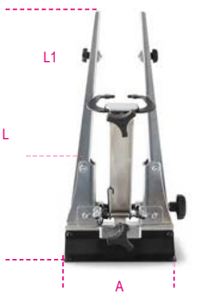
| L mm | L1 mm | | |
|---|---|---|---|
| 170 | 89 | 1 | 039640010 |

## 3965
wheel alignment gauge, ø 20" ÷ 29"

| L mm | | |
|---|---|---|
| 680 | 1 | 039650010 |

## 3965C
professional wheel truing stand

- **For ø 20" ÷ 29"**
- **Through axle hub adapter, 10 ÷ 20mm**




| L mm | L1 mm | A mm | | |
|---|---|---|---|---|
| 500 | 380 | 285 | 1 | 039650110 |

## 3967
sprocket removal wrench with chain whip

- **Caters for up to 11 speed cassettes**
- **2PVC handle**
- **Also suitable for fixed wheels**

| L mm | | |
|---|---|---|
| 289 | 1 | 039670010 |

## 3969
tyre lever

| L mm | A mm | | |
|---|---|---|---|
| 200 | 15,6 | 1 | 039690010 |

## 3969K3
kit with 3 tyre levers, made of plastic

| L mm | | |
|---|---|---|
| 113 | 1 | 039690130 |

## 3971
wrench for Shimano plastic bolts

• Suitable for Shimano Hollowtech II cranksets

| N° | ⬢ mm | | |
|---|---|---|---|
| 8 | 8 | 1 | 039710010 |

## 3972
bottom bracket removal wrench

• Suitable for Shimano® Hollowtech II, Campagnolo® Ultra-torque, FSA®, SRAM®

| L mm | | |
|---|---|---|
| 252 | 1 | 039720010 |

## 3973PF
Press-Fit bearing removal tool

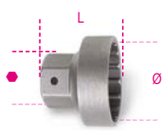
• Suitable for inside Ø 24 mm and 30 mm

| L mm | | |
|---|---|---|
| 240 | 1 | 039730001 |

## 3973/1
16-notch bottom bracket removal socket

• Suitable for Shimano® XTR BB93, Dura-Ace® BB9000

12"




| Ø mm | ⬢ mm | L mm | | |
|---|---|---|---|---|
| 39 | 24 | 34 | 1 | 039730010 |

## 3973/2
16-notch bottom bracket removal socket

• Suitable for Shimano® BBR60 (Ultegra® 11 speeds)

12"

| Ø mm | ⬢ mm | L mm | | |
|---|---|---|---|---|
| 41 | 24 | 35 | 1 | 039730020 |

## 3973/3
16-notch bottom bracket removal socket

• Suitable for Shimano® Hollowtech II, Campagnolo® Ultra-torque, FSA®, SRAM®

12"

| Ø int. mm | ⬢ mm | L mm | | |
|---|---|---|---|---|
| 46 | 24 | 53,5 | 1 | 039730030 |

## 3973/4
20-notch bottom bracket removal socket with central pin, nickel-plated

• Suitable for Shimano and ISIS

12"

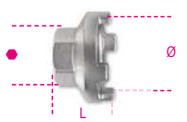
| Ø mm | L mm | ⬢ mm | | |
|---|---|---|---|---|
| 31,5 | 55 | 24 | 1 | 039730040 |

## 3975
bearing cup press

• For headset cup assembly, compatible with headset cups 1", 1.1/8", 1.1/4", 1.1/2" and 2"

| L mm | Ø mm | | |
|---|---|---|---|
| 360 | 16x1 | 1 | 039750010 |

## 3984/1
BMX freewheel removal wrench, 2 grafts



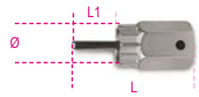

| Ø mm | L mm | ⬢ mm | | |
|---|---|---|---|---|
| 35 | 25,5 | 24 | 1 | 039840010 |

## 3984/2
Shimano freewheel removal wrench

| Ø mm | L mm | ⬢ mm | | |
|---|---|---|---|---|
| 22,8 | 26 | 24 | 1 | 039840020 |

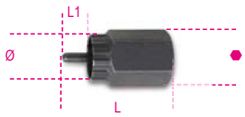
## 3984/3
Shimano freewheel removal wrench, cassette with guide pin

12"




| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 23,5 | 65 | 25 | 1 | 039840030 |

## 3984/4
Campagnolo freewheel removal wrench, with guide pin




| Ø mm | L mm | L1 mm | ⬢ mm | | |
|---|---|---|---|---|---|
| 23 | 51 | 13 | 24 | 1 | 039840040 |

## 3984/5
freewheel removal wrench, 2 grafts

12"

| Ø mm | L mm | ⬢ mm | | |
|---|---|---|---|---|
| 18,5 | 38 | 21 | 1 | 039840050 |

## 3984/6
freewheel removal wrench, 4 grafts

12"

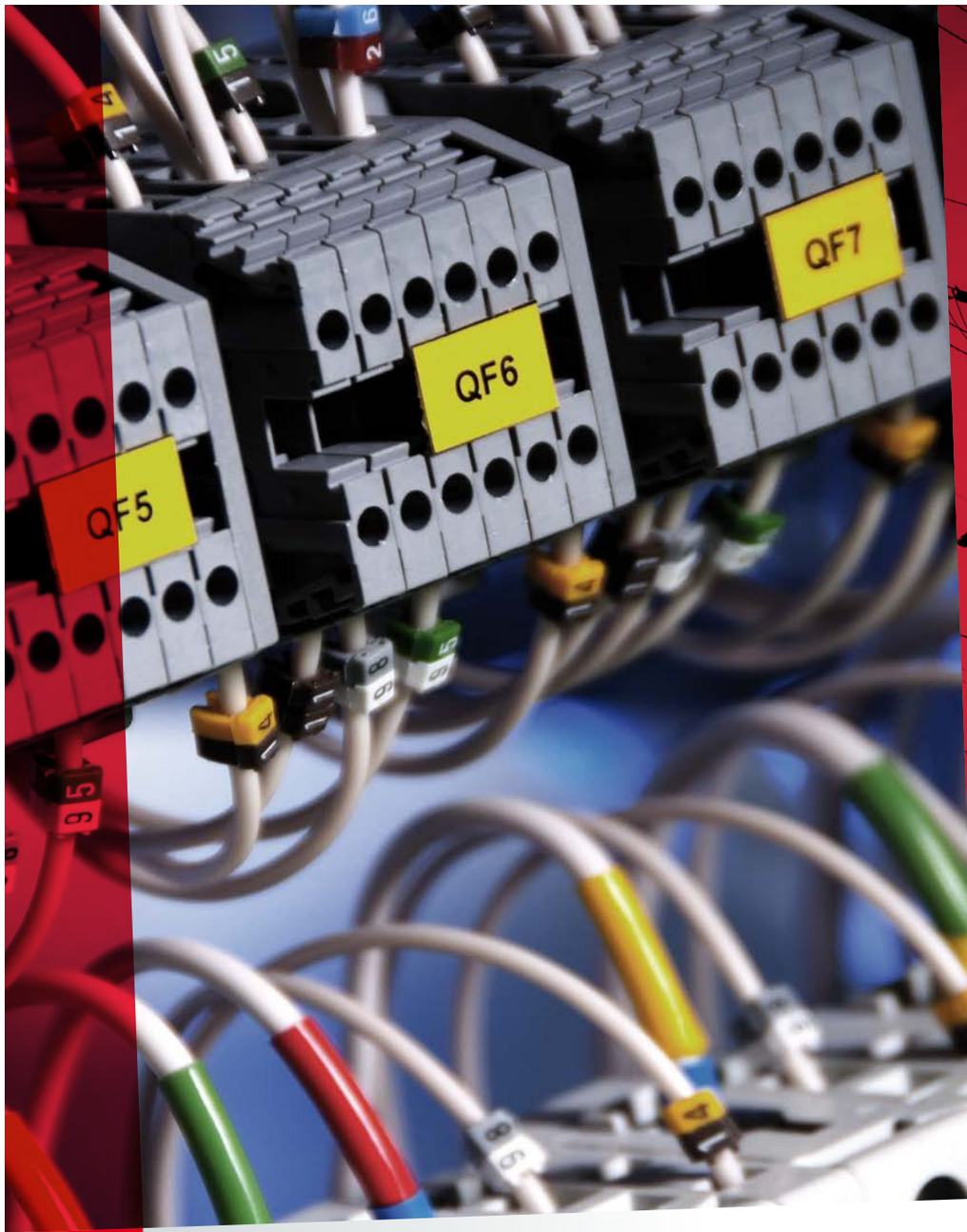
| Ø mm | L mm | ⬢ mm | | |
|---|---|---|---|---|
| 19,5 | 36 | 21 | 1 | 039840060 |

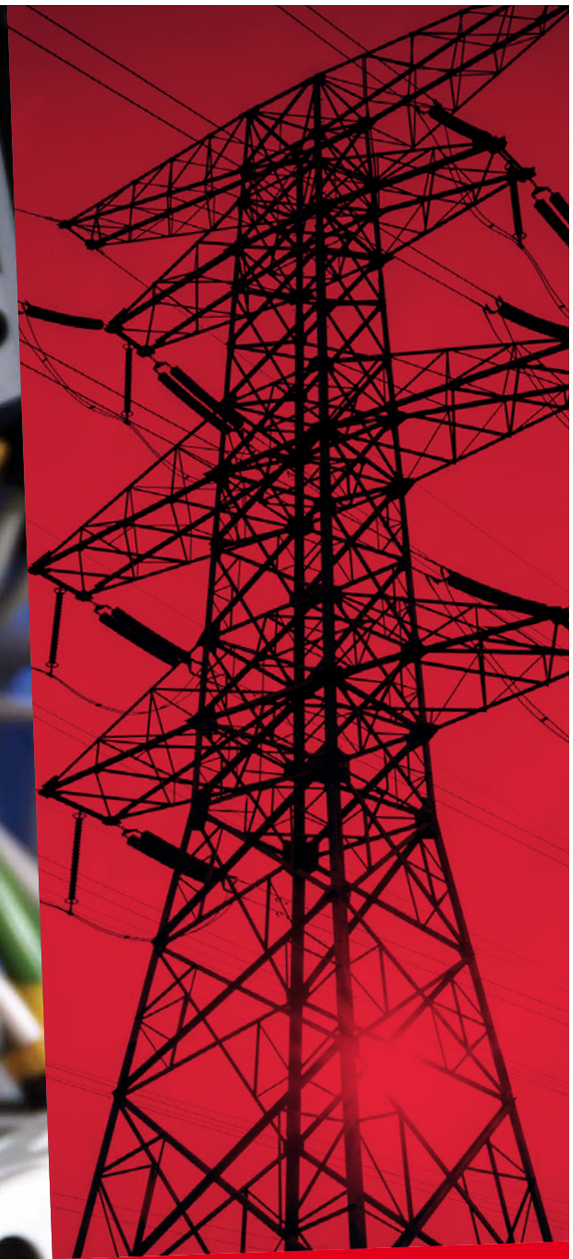
## 3991
lever for pushing back disc brake pads

| L mm | A mm | α | | |
|---|---|---|---|---|
| 222 | 36 | 7° | 1 | 039910010 |

## 3992
disc brake straightener

| L mm | | | A1 mm | | |
|---|---|---|---|---|---|
| 234 | 4 | 55 | 2,2 | 1 | 039920010 |

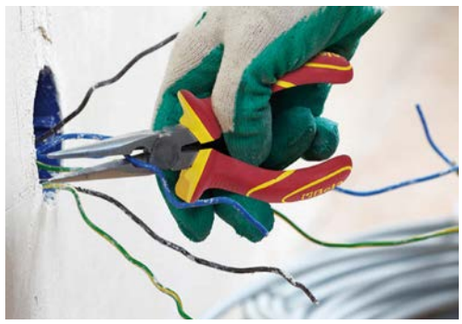


# INSULATED TOOLS

Beta Utensili's insulated tools are meant to guarantee installation and electrical maintenance men's safety.
All of the insulated tools make it possible to work on systems up to 1000V on alternating current and up to 1500V on direct current.
To provide the highest quality and performance standards and verify fitness and compliance with EN 60900, each tool is subjected to the following stringent tests: handle resistance to slipping and flame propagation, and high voltage test (10000V).
For assortments and thermoformed trays, see relevant sections.

All of Beta's insulated tools are built in accordance with the specifications of EN60900 and are approved by the best European certification institutions



Istituto Italiano del Marchio di Qualità - I

Verband der Elektrotechnik
Elektronik Informationstechnik - D

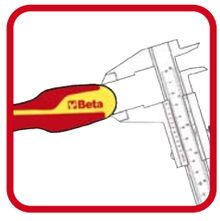
# 1000 V

**SAFETY TESTS: tested at 10,000 V to work on 1,000 V electrical installations.**
Beta's high-insulation tools are tested piece by piece at 10 kV, with a view to providing unparalleled quality for working instruments which are required to ensure ultra-high safety standards: they make it possible to work at voltages up to 1,000 V a.c. (1,500 V d.c.).

**SAFETY STANDARDS:**
Although extremely stringent tests are performed during production, before using a tool, the operator must always check the insulating handle for tears, modifications or damage. Keeping the dielectric properties unchanged in time is closely connected with the mechanical, chemical or thermal stress the tool may be subjected to. In case the insulator should get damaged, the tool cannot be considered safe for use in live installations. Always wear protective goggles and insulated gloves.

## TESTS PERFORMED DURING PRODUCTION

**100% visual test:**
All the surface finishes of the tools must be free from externally visible defects



**Dimensional test:**
All the dimensions of the tools must comply with the design specifications.

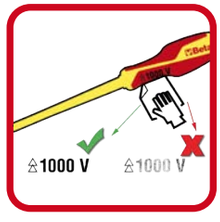
**Crash test:**
After 2 hours at -25 °C, the tool is hit three times (by such a specific weight as provided for by the standard); the insulating handle must not show any signs of damage.

**Electrical insulation test:**
Following immersion in water for 24 hours, the tool is subjected to a voltage of 10 kV for 3 minutes. Current dissipation must not exceed such values as provided for by the standard.

**Penetration test:**
A weight of 2 kg is applied to the tool handle at +70 °C for two hours. Later a voltage of 5 kV is applied to the area that is subjected to mechanical pressure for 3 minutes. No signs of current passing through must be shown.

**Adhesion test:**
after 168 hours at +70 °C, the tool is subjected to a load of 500 N to check that the handle does not slip off.

**Mechanical test:**
The tools must satisfy such mechanical performance requirements as provided for in the relevant ISO standards




**Marking indelibility test:**
Following the friction test with isopropyl alcohol, markings must remain legible.

**Flame propagation test:**
A flame is directed towards the tool for 10 seconds; during the next 20 seconds, the flame must not exceed a height of 120 mm.

## 52MQ
single open end wrenches

1000 V

EN 60900

| mm | L mm | | |
|---|---|---|---|
| 6 | 90 | 1 | 000520106 |
| 7 | 96 | 1 | 000520107 |
| 8 | 100 | 1 | 000520108 |
| 9 | 108 | 1 | 000520109 |
| 10 | 110 | 1 | 000520110 |
| 11 | 120 | 1 | 000520111 |
| 12 | 132 | 1 | 000520112 |
| 13 | 140 | 1 | 000520113 |
| 14 | 146 | 1 | 000520114 |
| 15 | 166 | 1 | 000520115 |
| 16 | 156 | 1 | 000520116 |
| 17 | 168 | 1 | 000520117 |
| 18 | 170 | 1 | 000520118 |
| 19 | 176 | 1 | 000520119 |
| 21 | 190 | 1 | 000520121 |
| 22 | 200 | 1 | 000520122 |
| 24 | 225 | 1 | 000520124 |
| 27 | 210 | 1 | 000520127 |
| 30 | 240 | 1 | 000520130 |
| 32 | 240 | 1 | 000520132 |

## 89MQ
single ring wrenches

1000 V

EN 60900

| mm | L mm | | |
|---|---|---|---|
| 6 | 150 | 1 | 000890106 |
| 7 | 155 | 1 | 000890107 |
| 8 | 155 | 1 | 000890108 |
| 9 | 160 | 1 | 000890109 |
| 10 | 170 | 1 | 000890110 |
| 11 | 180 | 1 | 000890111 |
| 12 | 190 | 1 | 000890112 |
| 13 | 195 | 1 | 000890113 |
| 14 | 200 | 1 | 000890114 |
| 15 | 210 | 1 | 000890115 |
| 16 | 216 | 1 | 000890116 |
| 17 | 218 | 1 | 000890117 |
| 18 | 236 | 1 | 000890118 |
| 19 | 240 | 1 | 000890119 |
| 21 | 250 | 1 | 000890121 |
| 22 | 255 | 1 | 000890122 |
| 24 | 280 | 1 | 000890124 |
| 27 | 300 | 1 | 000890127 |
| 30 | 320 | 1 | 000890130 |
| 32 | 340 | 1 | 000890132 |

## 110MQ
adjustable wrench with scale

1000 V

EN 60900

| L mm | A max | | |
|---|---|---|---|
| 200 | 28 | 1 | 001100520 |
| 250 | 30 | 1 | 001100525 |
| 300 | 30 | 1 | 001100530 |

## 606MQ/50
click-type torque wrench
with reversible ratchet

1000 V

EN 60900
UNI EN 26789
ISO 6789

| Nm | Kgfm | lbf.ft | A mm | L mm | g |
|---|---|---|---|---|---|
| 5÷50 | 0,5÷5 | 4÷40 | 90 | 375 | 1130 |

| | | |
|---|---|---|
| 606MQ/50 | 1 | 006060705 |

## 850MQ
magnetic bit holder, insulated,
with bimaterial handle

1000 V

IMQ CSV
EN 60900

| L mm | L1 mm | D mm | | |
|---|---|---|---|---|
| 233 | 125 | 12.5 | 1 | 008500910 |

## 910MQ/B
bi-hex sockets

1000 V

EN 60900

| mm | L mm | Ø1 mm | Ø mm | | |
|---|---|---|---|---|---|
| 6 | 45 | 14 | 24 | 1 | 009100616 |
| 7 | 45 | 15 | 24 | 1 | 009100617 |
| 8 | 45 | 16 | 24 | 1 | 009100618 |
| 9 | 45 | 17 | 24 | 1 | 009100619 |
| 10 | 45 | 19 | 24 | 1 | 009100620 |
| 11 | 45 | 20 | 24 | 1 | 009100621 |
| 12 | 45 | 24 | 24 | 1 | 009100622 |
| 13 | 45 | 24 | 24 | 1 | 009100623 |
| 14 | 45 | 25 | 24 | 1 | 009100624 |
| 15 | 45 | 27 | 24 | 1 | 009100625 |
| 16 | 45 | 27,5 | 24 | 1 | 009100626 |
| 17 | 45 | 30 | 24 | 1 | 009100627 |
| 18 | 45 | 31 | 24 | 1 | 009100628 |
| 19 | 45 | 32 | 24 | 1 | 009100629 |

## 910MQ/PE
socket drivers for hexagon screws

1000 V

EN 60900

| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| 4 | 24 | 100 | 1 | 009100604 |
| 5 | 24,5 | 100 | 1 | 009100605 |
| 6 | 25,0 | 100 | 1 | 009100606 |
| 8 | 25,0 | 100 | 1 | 009100608 |
| 10 | 25,5 | 100 | 1 | 009100610 |

## 910MQ/TX
socket drivers
for Torx(R) head screws

1000 V

EN 60900

| mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 15 | 23 | 116 | 61 | 1 | 009100641 |
| 20 | 24,5 | 116 | 65 | 1 | 009100642 |
| 25 | 24,5 | 116 | 65 | 1 | 009100643 |
| 27 | 24,5 | 116 | 65 | 1 | 009100644 |
| 30 | 24,5 | 116 | 65 | 1 | 009100645 |
| 40 | 24,5 | 116 | 65 | 1 | 009100646 |

## 910MQ/XZN
socket drivers
with XZN® profile

1000 V

EN 60900

| mm | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| M8 | 24 | 106 | 57 | 1 | 009100658 |
| M10 | 24 | 106 | 57 | 1 | 009100660 |

## 910MQ/PT
preset extensions
with 3/8" female drive

1000 V

EN 60900

| Nm | L mm | L1 mm | | |
|---|---|---|---|---|
| 12 | 80 | 35,5 | 1 | 009100801 |

## 910MQ/21
3/8" drive extension

1000 V

EN 60900

| L mm | Ø mm | | |
|---|---|---|---|
| 140 | 13,4 | 1 | 009100804 |

## 910MQ/22
3/8" drive extension

1000 V

EN 60900

| L mm | Ø mm | | |
|---|---|---|---|
| 265 | 13,4 | 1 | 009100805 |

## 910MQ/T

3/8” drive, T-handle

3/8”

1000 V

EN 60900

| L mm | L1 mm | | |
|---|---|---|---|
| 200 | 165 | 1 | 009100807 |

## 910MQ/55

3/8” drive reversible ratchet

3/8”

1000 V

EN 60900

| L mm | D mm | A mm | | |
|---|---|---|---|---|
| 203 | 41 | 67 | 1 | 009100808 |

## 910MQ/C16

8 bi-hex sockets,
4 hexagon socket drivers
and 4 accessories

3/8”

1000 V

EN 60900

| | | |
|---|---|---|
| 910MQ/C16 | 1 | 009100917 |

| | |
|---|---|
| ○ 910MQ/B | 8 - 10 - 11 -12 - 13 - 14 - 17 - 19 mm |
| ○ 910MQ/PE | 4 - 5 - 6 - 8 mm |
| 910MQ/21 | 125 mm |
| 910MQ/22 | 250 mm |
| 910MQ/T | |
| 910MQ/55 | |

## 914MQ/A

hexagon hand sockets,
3/8" female drive,
made from special polyamide-based
technopolymers

**Specially designed for batteries of hybrid and electric cars**

**For use with torque wrench**

3/8”

1000 V

EN 60900

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 8 | 17,5 | 45 | 20 | 2 | 009140008 |
| 10 | 20,5 | 45 | 20 | 2 | 009140010 |
| 13 | 24 | 45 | 20 | 2 | 009140013 |
| 17 | 30 | 45 | 22 | 2 | 009140017 |

3/8”

EN 60900

| | | |
|---|---|---|
| 914MQ-A/S4<br>8-10-13-17 mm | 1 | 009140054 |

## 920MQ/A

hexagon sockets

12”

1000 V

EN 60900

| mm | Ø mm | L mm | Ø1 mm | | |
|---|---|---|---|---|---|
| 8 | 21,5 | 57 | 27,5 | 1 | 009200238 |
| 9 | 21,5 | 57 | 27,5 | 1 | 009200239 |
| 10 | 21,5 | 57 | 27,5 | 1 | 009200240 |
| 11 | 21,5 | 57 | 27,5 | 1 | 009200241 |
| 12 | 23,0 | 57 | 27,5 | 1 | 009200242 |
| 13 | 23,0 | 57 | 27,5 | 1 | 009200243 |
| 14 | 23,0 | 57 | 27,5 | 1 | 009200244 |
| 16 | 23,0 | 57 | 27,5 | 1 | 009200246 |
| 17 | 30,0 | 57 | 27,5 | 1 | 009200247 |
| 18 | 32,0 | 57 | 27,5 | 1 | 009200248 |
| 19 | 32,2 | 57 | 27,5 | 1 | 009200249 |
| 20 | 32,0 | 57 | 27,5 | 1 | 009200250 |
| 21 | 34,0 | 57 | 27,5 | 1 | 009200251 |
| 22 | 36,0 | 57 | 27,5 | 1 | 009200252 |
| 24 | 39,0 | 57 | 27,5 | 1 | 009200254 |
| 27 | 42,0 | 57 | 27,5 | 1 | 009200257 |
| 30 | 44,0 | 57 | 27,5 | 1 | 009200260 |
| 32 | 48,0 | 57 | 27,5 | 1 | 009200262 |

## 920MQ/PE

socket drivers for hexagon screws

12”

1000 V

★=

EN 60900

| | Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| ★4 | 28,5 | 94,50 | 10,5 | 1 | 009200264 |
| ★5 | 28,5 | 94,5 | 10,5 | 1 | 009200265 |
| ★6 | 28,5 | 94,5 | 10,5 | 1 | 009200266 |
| ★8 | 28,5 | 94,5 | 10,5 | 1 | 009200268 |
| 10 | 28,5 | 94,5 | 10,5 | 1 | 009200267 |
| 12 | 28,5 | 94,5 | 10,5 | 1 | 009200269 |

## 920MQ/21

1/2” square drive extension bar

12”

1000 V

EN 60900

| L mm | Ø mm | | |
|---|---|---|---|
| 135 | 28 | 1 | 009200804 |

## 920MQ/22

1/2” square drive extension bar

12”

1000 V

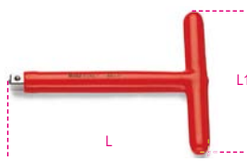
EN 60900

| L mm | Ø mm | | |
|---|---|---|---|
| 264 | 30 | 1 | 009200805 |

## 920MQ/T

1/2” square drive, T-handle

12”




1000 V

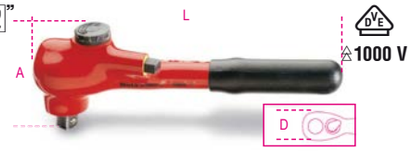
EN 60900

| L mm | L1 mm | | |
|---|---|---|---|
| 200 | 163 | 1 | 009200807 |

## 920MQ/55A

1/2” square drive reversible ratchet
with socket locking system

12”




1000 V

EN 60900

| L mm | D mm | A mm | | |
|---|---|---|---|---|
| 240 | 50 | 89 | 1 | 009200809 |

## 920MQ/C16

9 hexagon sockets,
3 socket drivers for hexagon screws
and 4 accessories

12"

1000 V

EN 60900

| | | |
|---|---|---|
| **920MQ/C16** | 1 | 009200917 |

| | | |
|---|---|---|
| **920MQ/A** | 8 - 10 - 12 - 13 - 14 - 17 - 19 - 22 - 24 mm | |
| **920MQ/PE** | 5 - 6 - 8 mm | |
| **920MQ/21** | 135 mm | |
| **920MQ/22** | 264 mm | |
| **920MQ/55A** | | |
| **920MQ/T** | | |

420x280x60 mm - 5,2 kg

## 943MQ

hexagon nut spinners with handles

1000 V

EN 60900

| mm | L mm | L1 mm | D mm | | |
|---|---|---|---|---|---|
| **5,5** | 233 | 125 | 12,2 | 1 | 009430235 |
| **6** | 233 | 125 | 12,5 | 1 | 009430236 |
| **7** | 240 | 125 | 14,3 | 1 | 009430237 |
| **8** | 240 | 125 | 15,3 | 1 | 009430238 |
| **10** | 252 | 125 | 17,3 | 1 | 009430240 |
| **13** | 252 | 125 | 21,3 | 1 | 009430243 |

| | | |
|---|---|---|
| **943MQ/S6** | 1 | 009430250 |
| 5,5-6-7-8-10-13 mm | | |

## 951MQ

T-handle wrenches with hexagon male ends

*1000 V

EN 60900

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **3** | 120 | 105 | 1 | 009510703 |
| * **4** | 165 | 105 | 1 | 009510704 |
| * **5** | 170 | 105 | 1 | 009510705 |
| * **6** | 168 | 105 | 1 | 009510706 |
| * **8** | 165 | 105 | 1 | 009510708 |
| **10** | 200 | 105 | 1 | 009510710 |

## 993MQ

bent knurled point spring tweezers

1000 V

EN 60900

| mm | L | | |
|---|---|---|---|
| **147** | 1 | 009930040 | |

## 994MQ

straight knurled point spring tweezers

1000 V

EN 60900

| mm | L | | |
|---|---|---|---|
| **145** | 1 | 009940040 | |

## 1010MQ

long round nose pliers

1000 V

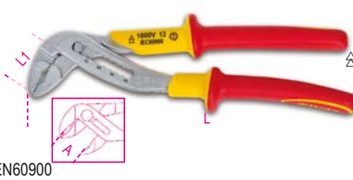
EN 60900

| mm | L | L1 mm | | |
|---|---|---|---|---|
| **160** | | 51,5 | 1 | 010100096 |

## 1048MQ

slip joint pliers, boxed joint

• **Chrome-plated finish**




1000 V

EN60900

| mm | L | A max mm | L1 mm | | |
|---|---|---|---|---|---|
| **250** | | 48 | 39 | 1 | 010480315 |

## 1082MQ

diagonal cutting nippers

1000 V

EN 60900

| mm | L | L1 mm | | | |
|---|---|---|---|---|---|
| **140** | | 20 | 1,6 | 1 | 010820094 |
| **160** | | 22 | 1,6 | 1 | 010820096 |

## 1084MQ

heavy duty diagonal cutting nippers

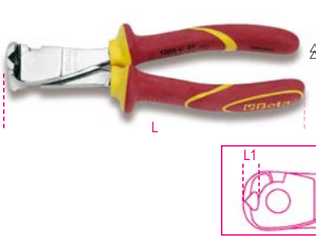
1000 V

EN 60900

| mm | L | L1 mm | mm | | |
|---|---|---|---|---|---|
| **200** | | 26 | 2,0 | 1 | 010840100 |

## 1088MQ

end cutting nippers




1000 V

EN 60900

| mm | L | L1 mm | mm | | |
|---|---|---|---|---|---|
| **160** | | 7 | 1,6 | 1 | 010880096 |

## 2115P L-MQ32

| | |
|---|---|
| **2115PL-MQ32** | 339 |

## 1128MQ

electrician's scissors,
stainless steel blades,
with microteeth

1000 V

IEC60900

| mm | L | L1 mm | | |
|---|---|---|---|---|
| **145** | | 45 | 1 | 011280101 |

## 1132MQ

cable cutter with insulated handles
for copper and aluminium cables

1000 V

EN 60900

| mm | L | mm | | |
|---|---|---|---|---|
| **230** | | 18 | 1 | 011320193 |

## 1142MQ
wire stripping pliers

1000 V

EN 60900

| L mm | mm² | | |
|---|---|---|---|
| 160 | 0,5÷6 | 1 | 011420096 |

## 1150MQ
combination pliers, bright chrome-plated

1000 V

EN 60900

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 37 | 1,6 | 1 | 011500096 |
| 180 | 39 | 1,8 | 1 | 011500098 |
| 200 | 43 | 2,0 | 1 | 011500100 |
| 220 | 46 | 2,0 | 1 | 011500102 |

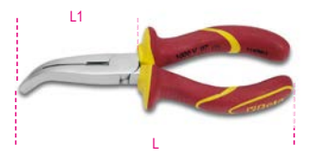
## 1162MQ
extra long flat nose pliers

1000 V

EN 60900

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 56 | 1,6 | 1 | 011620096 |
| 200 | 76 | 1,6 | 1 | 011620100 |

## 1164MQ
extra-long bent flat nose pliers



1000 V

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 54 | 1,6 | 1 | 011640096 |
| 200 | 76 | 1,6 | 1 | 011640100 |

## 1166MQ
extra long needle nose pliers

1000 V

EN 60900

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 56 | 1,6 | 1 | 011660096 |
| 200 | 76 | 1,6 | 1 | 011660100 |

## 1168MQ
extra long bent needle nose pliers

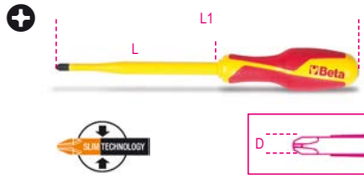
1000 V

EN 60900

| L mm | L1 mm | mm | | |
|---|---|---|---|---|
| 160 | 50 | 1,6 | 1 | 011680096 |
| 200 | 70 | 1,6 | 1 | 011680100 |

## 1272MQF
screwdrivers for cross head Phillips® screws

**Slim**

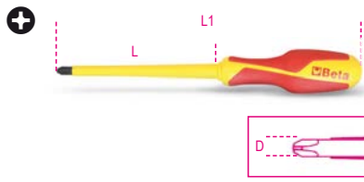


1000 V

EN60900

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| 1x4.5x80 | 187 | 3 | 012720609 |
| 2x6x100 | 218 | 3 | 012720618 |

## 1272MQ
screwdrivers
for cross head Phillips® screws



1000 V

EN 60900

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| 0x3x60 | 160 | 3 | 012720703 |
| 1x4,5x80 | 187 | 3 | 012720709 |
| 2x6x100 | 218 | 3 | 012720718 |
| 3x8x150 | 276 | 2 | 012720724 |
| 4x10x200 | 326 | 2 | 012720727 |

| | | |
|---|---|---|
| **1272MQ/S5**<br>PH0x3x60-PH1x4,5x80<br>PH2x6x100-PH3x8x150<br>PH4x10x200 mm | 1 | 012720751 |

## 1273MQF/D...
set of 6 slim screwdrivers

1000 V

| | | | |
|---|---|---|---|
| **1273MQF/D4** | | 1 | 012730604 |
| 1272MQF<br>1274MQF | 1x4,5x80-2x6x100 mm<br>0,6x3,5x100-1x5,5x125 mm | | |

| | | | |
|---|---|---|---|
| **1273MQF/D6** | | 1 | 012730606 |
| 1272MQF<br>1274MQF | 1x4,5x80-2x6x100 mm<br>0,6x3,5x100-1x4,5x100-<br>1x5,5x125-1,2x6,5x150 mm | | |

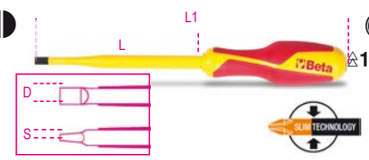
## 1273MQ/D6
set of 6 screwdrivers

1000 V

| | | | |
|---|---|---|---|
| **1273MQ/D6** | | 1 | 012730851 |
| 1274MQ | 0,5x3x100 -0,8x4x100<br>1,0x5,5x125 mm | | |
| 1272MQ | PH0x3x60 -PH1x4,5x80<br>PH2x6x100 mm | | |

## 1274MQF
screwdrivers for headless slotted screws

**Slim**

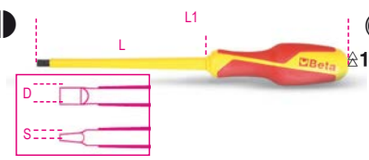


1000 V

EN60900

| SxDxL mm | L1 mm | | |
|---|---|---|---|
| 0.6x3.5x100 | 200 | 3 | 012740603 |
| 1x4.5x100 | 205 | 3 | 012740606 |
| 1x5.5x125 | 232 | 3 | 012740609 |
| 1.2x6.5x150 | 268 | 3 | 012740612 |

## 1274MQ
screwdrivers for headless slotted screws



1000 V

EN 60900

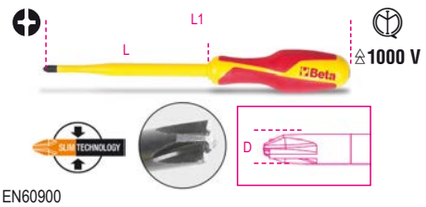
| SxDxL mm | L1 mm | | |
|---|---|---|---|
| 0,4x2,5x75 | 175 | 3 | 012740700 |
| 0,5x3x100 | 200 | 3 | 012740703 |
| 0,8x4x100 | 207 | 3 | 012740706 |
| 1x5,5x125 | 232 | 3 | 012740709 |
| 1,2x6,5x150 | 268 | 3 | 012740712 |
| 1,2x8x175 | 301 | 2 | 012740715 |
| 1,6x10x200 | 326 | 2 | 012740718 |

| | | |
|---|---|---|
| **1274MQ/S6**<br>0,5x3x100-0,8x4x100<br>1x5,5x125-1,2x6,5x150<br>1,2x8x175-1,6x10x200 mm | 1 | 012740751 |

## 1275MQ/C

screwdrivers for combined cross head PH + slotted head screws

**slim**



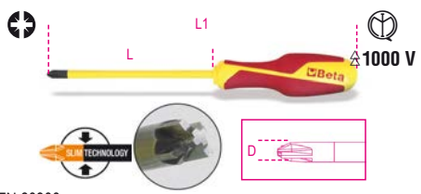

EN60900

| | | |
|---|---|---|
| **PH1+LPP** | 2 | 012750409 |
| **PH2+LPP** | 2 | 012750418 |

## 1276MQ/C

screwdrivers for combined cross head PZ + slotted head screws

**slim**



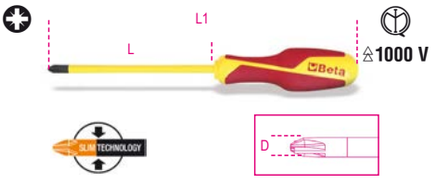

EN 60900

| | | |
|---|---|---|
| **PZ1+LPP** | 2 | 012760409 |
| **PZ2+LPP** | 2 | 012760418 |

## 1279MQ/F

screwdrivers for cross head Pozidriv®-Supadriv® screws

**slim**




EN60900

| pz | L mm | L1 mm | | |
|---|---|---|---|---|
| **1** | 80 | 187 | 3 | 012790409 |
| **2** | 100 | 218 | 3 | 012790418 |

## 1279MQ

screwdrivers for cross head Pozidriv®-Supadriv® screws

EN 60900

| PZ | L mm | L1 mm | | |
|---|---|---|---|---|
| **0** | 60 | 160 | 3 | 012790703 |
| **1** | 80 | 187 | 3 | 012790709 |
| **2** | 100 | 218 | 3 | 012790718 |
| **3** | 150 | 276 | 2 | 012790724 |

| | | |
|---|---|---|
| **1279MQ/S4**<br>PZ 0-1-2-3 | 1 | 012790751 |

## 1725MQ

mini-hacksaw frame

EN 60900

| | L mm | H mm | | |
|---|---|---|---|---|
| **1725MQ** | 260 | 85 | 1 | 017250030 |

## 1777MQ/C

cable stripping knife, insulated

- **for multicore cables**

EN 60900

| | L mm | | |
|---|---|---|---|
| **1777MQ/C** | 190 | 1 | 017770026 |

## 1777MQ/U

cable stripping knife, insulated

EN 60900

| | L mm | | |
|---|---|---|---|
| **1777MQ/U** | 190 | 1 | 017770011 |

## 1777RL/U

4 spare blades for utility knife 1777MQ/U

| | | |
|---|---|---|
| **1777RL/U** | 1 | 017770021 |

## 1995MQ/T

insulating mat

CLASS 4
1000 V

VDE 0303
EN 60243

| | LxSxH mm | | |
|---|---|---|---|
| **1995MQ/T** | 1000x1000 | 1 | 019950030 |

## 1995MQ/G1 - G2

insulating gloves in latex

1000 V

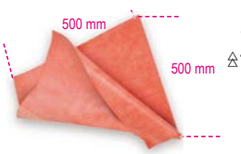
EN 60903

| | Gr. | L mm | | |
|---|---|---|---|---|
| **1995MQ/G1** | 9 | 410 | 1 | 019950010 |
| **1995MQ/G2** | 10 | 410 | 1 | 019950013 |

## 1996MQ/T

insulating cloth

**500x500mm**




1000 V

DIN EN 61112

| | S mm | | |
|---|---|---|---|
| | 0.5 | 1 | 019960005 |

## 1996MQ/GM

composite insulating gloves

**EN60903**
**EN388**

1000 V

EN 60903
EN 61482

| | Gr. | L mm | | |
|---|---|---|---|---|
| **1996MQ/GM 9** | 9 | 410 | 1 | 019960109 |
| **1996MQ/GM 10** | 10 | 410 | 1 | 019960110 |

## 1996SVG

pneumatic tester for insulated gloves

**mandatory testing in accordance with EN90603**

| | | |
|---|---|---|
| **1996SVG** | 1 | 019960133 |

# TETHERED TOOLS

## Beta H-SAFE

The H-SAFE tool range by Beta comprises over 200 coded items, for which a holding system has been individually designed to withstand extremely severe mechanical stress, as synonymous with unparalleled safety.

Operating comfort is also crucial: tools with a double active part, including combination wrench item 42, are tied with a cable which runs along the entire body of the tool; whereas twisting tools, including screwdrivers, are tied with freely rotating rings preventing the string from getting twisted.

The H-SAFE holding system has been designed, tested and manufactured in Beta's factories Eith the H-SAFE system by Beta, tools are always within reach, comfortably and safely

## 35HS

flat chisels, ribbed type

with H-SAFE tethered system

| L mm | A mm | | |
|---|---|---|---|
| 200 | 23,0 | 1 | 000354004 |
| 250 | 28,5 | 1 | 000354005 |

## 42HS

combination wrenches, open and offset ring ends

with H-SAFE tethered system

DIN 3113 UNI-ISO 7738

| mm | L mm | | |
|---|---|---|---|
| 6x6 | 95 | 1 | 000424506 |
| 7x7 | 105 | 1 | 000424507 |
| 8x8 | 116 | 1 | 000424508 |
| 9x9 | 127 | 1 | 000424509 |
| 10x10 | 137 | 1 | 000424510 |
| 11x11 | 148 | 1 | 000424511 |
| 12x12 | 158 | 1 | 000424512 |
| 13x13 | 169 | 1 | 000424513 |
| 14x14 | 180 | 1 | 000424514 |
| 15x15 | 190 | 1 | 000424515 |
| 16x16 | 201 | 1 | 000424516 |
| 17x17 | 212 | 1 | 000424517 |
| 18x18 | 222 | 1 | 000424518 |
| 19x19 | 233 | 1 | 000424519 |
| 20x20 | 243 | 1 | 000424520 |
| 21x21 | 254 | 1 | 000424521 |
| 22x22 | 264 | 1 | 000424522 |
| 23x23 | 275 | 1 | 000424523 |
| 24x24 | 285 | 1 | 000424524 |
| 25x25 | 296 | 1 | 000424525 |
| 26x26 | 307 | 1 | 000424526 |
| 27x27 | 317 | 1 | 000424527 |
| 28x28 | 328 | 1 | 000424528 |
| 29x29 | 338 | 1 | 000424529 |
| 30x30 | 349 | 1 | 000424530 |
| 32x32 | 370 | 1 | 000424532 |
| 34x34 | 391 | 1 | 000424534 |
| 36x36 | 412 | 1 | 000424536 |

## 42HS/AS

combination wrenches, open and offset ring ends

with H-SAFE tethered system

| " | L mm | | |
|---|---|---|---|
| 1/4x1/4 | 95 | 1 | 000424106 |
| 5/16x5/16 | 116 | 1 | 000424108 |
| 3/8x3/8 | 137 | 1 | 000424110 |
| 7/16x7/16 | 148 | 1 | 000424111 |
| 1/2x1/2 | 169 | 1 | 000424113 |
| 9/16x9/16 | 180 | 1 | 000424114 |
| 5/8x5/8 | 201 | 1 | 000424116 |
| 11/16x11/16 | 212 | 1 | 000424117 |
| 3/4x3/4 | 233 | 1 | 000424119 |
| 13/16x13/16 | 254 | 1 | 000424121 |
| 7/8x7/8 | 264 | 1 | 000424122 |
| 15/16x15/16 | 285 | 1 | 000424124 |
| 1x1 | 296 | 1 | 000424125 |
| 1.1/16x1.1/16 | 317 | 1 | 000424127 |
| 1.1/8x1.1/8 | 338 | 1 | 000424129 |
| 1.1/4x1.1/4 | 370 | 1 | 000424132 |
| 1.5/16x1.5/16 | 391 | 1 | 000424133 |

## 55HS

double open end wrenches

with H-SAFE tethered system

UNI-ISO 10102 DIN 3110

| mm | L mm | | |
|---|---|---|---|
| • 6x7 | 120 | 1 | 000554012 |
| • 8x9 | 140 | 1 | 000554021 |
| • 10x11 | 155 | 1 | 000554030 |
| • 12x13 | 170 | 1 | 000554042 |
| • 14x15 | 185 | 1 | 000554054 |
| • 16x17 | 202 | 1 | 000554060 |
| • 18x19 | 220 | 1 | 000554066 |
| • 20x22 | 236 | 1 | 000554075 |
| • 21x23 | 245 | 1 | 000554078 |
| 22x24 | 245 | 1 | 000554081 |
| 24x27 | 262 | 1 | 000554090 |
| • 30x32 | 297 | 1 | 000554108 |
| 34x36 | 325 | 1 | 000554117 |

## 91HS-C

heavy duty offset ring wrenches

with H-SAFE tethered system

| mm | Ø mm | | |
|---|---|---|---|
| 36 | 54 | 1 | 000914036 |
| 41 | 62 | 1 | 000914041 |
| 46 | 69 | 1 | 000914046 |

## 91HS

heavy duty offset ring wrenches
with H-SAFE tethered system

| mm | Ø mm | | |
|---|---|---|---|
| 36 | 54 | 1 | 000914236 |
| 41 | 62 | 1 | 000914241 |
| 46 | 69 | 1 | 000914246 |

## 92HS

tubes for item 91
with H-SAFE tethered system

| L mm | 91 mm | Ø mm | | |
|---|---|---|---|---|
| 610 | 32÷41 | 22 | 1 | 000924020 |
| 760 | 46÷55 | 25 | 1 | 000924030 |

## 93HS

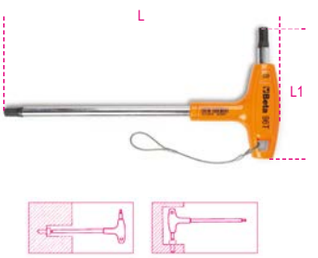
double-ended offset ring wrench for scaffolding bolts
with H-SAFE tethered system

| mm | L mm | | |
|---|---|---|---|
| 21x22 | 310 | 1 | 000934021 |

## 96THS

offset hexagon key wrenches, with high torque handles

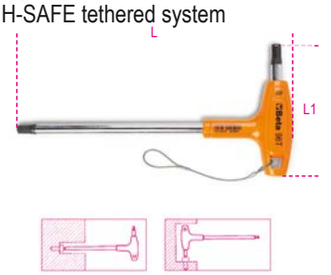
with H-SAFE tethered system




| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 2,5 | 153 | 55 | 1 | 000964935 |
| 3 | 153 | 55 | 1 | 000964936 |
| 4 | 179 | 70 | 1 | 000964938 |
| 5 | 200 | 84 | 1 | 000964940 |
| 6 | 221 | 103 | 1 | 000964941 |
| 8 | 255 | 117 | 1 | 000964943 |
| 10 | 285 | 132 | 1 | 000964945 |

## 96THS-AS

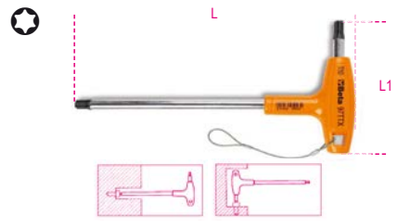
offset hexagon key wrenches,
with high torque handles
with H-SAFE tethered system




| " | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| 5/32 | 200 | 84 | 6 | 1 | 000964673 |
| 3/16 | 200 | 84 | 6 | 1 | 000964674 |
| 7/32 | 221 | 103 | 7 | 1 | 000964675 |
| 1/4 | 236 | 106 | 8 | 1 | 000964676 |
| 5/16 | 255 | 117 | 10 | 1 | 000964678 |
| 3/8 | 285 | 132 | 12 | 1 | 000964680 |

## 97TTXHS

offset key wrenches with handles for Torx® head screws
with H-SAFE tethered system




| | L mm | L1 mm | | |
|---|---|---|---|---|
| T10 | 179 | 70 | 1 | 000974710 |
| T15 | 179 | 70 | 1 | 000974715 |
| T20 | 179 | 70 | 1 | 000974720 |
| T25 | 179 | 70 | 1 | 000974725 |
| T30 | 200 | 84 | 1 | 000974730 |
| T40 | 221 | 103 | 1 | 000974740 |
| T45 | 236 | 106 | 1 | 000974745 |
| T50 | 255 | 117 | 1 | 000974750 |

## 111HS

adjustable wrenches with scales, chrome-plated
with H-SAFE tethered system

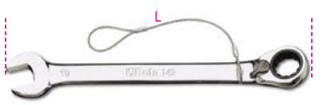
- **Right-hand rotation of pin**
- **With mm and inch scale**

DIN 3117 ISO 6787

| L mm | L " | A max mm | A1 mm | | |
|---|---|---|---|---|---|
| 200 | 8 | 28 | 62,0 | 1 | 001114020 |
| 250 | 10 | 34 | 70,0 | 1 | 001114025 |
| 300 | 12 | 35 | 84,0 | 1 | 001114030 |
| 380 | 15 | 45 | 97,0 | 1 | 001114038 |
| 450 | 18 | 54 | 115,0 | 1 | 001114045 |

## 142HS

reversible ratcheting combination wrenches
with H-SAFE tethered system




| mm | L mm | | |
|---|---|---|---|
| 8x8 | 136 | 1 | 001424008 |
| 9x9 | 143 | 1 | 001424009 |
| 10x10 | 159 | 1 | 001424010 |
| 11x11 | 168 | 1 | 001424011 |
| 12x12 | 174 | 1 | 001424012 |
| 13x13 | 180 | 1 | 001424013 |
| 14x14 | 190 | 1 | 001424014 |
| 15x15 | 200 | 1 | 001424015 |
| 16x16 | 216 | 1 | 001424016 |
| 17x17 | 233 | 1 | 001424017 |
| 18x18 | 239 | 1 | 001424018 |
| 19x19 | 248 | 1 | 001424019 |
| 21x21 | 285 | 1 | 001424021 |
| 22x22 | 285 | 1 | 001424022 |
| 24x24 | 325 | 1 | 001424024 |
| 27x27 | 355 | 1 | 001424027 |
| 30x30 | 420 | 1 | 001424030 |
| * 32x32 | 420 | 1 | 001424032 |

*** Straight model without inverter**

## 360HS

pipe wrenches, Stillson pattern

with H-SAFE tethered system

| L mm | Ø max " | | |
|---|---|---|---|
| 250 | 1" gas | 1 | 003604025 |
| 350 | 1"1/2 gas | 1 | 003604035 |
| 450 | 2" gas | 1 | 003604045 |
| 600 | 2"1/2 gas | 1 | 003604060 |

**LC system, two-ball retaining system. Socket is only released through button**

## 666HS

Click-type torque wrenches with reversible ratchets for right-hand tightening torque accuracy: ±3%

with H-SAFE tethered system

ISO 6789

| Nm | Kgfm | lbf.ft | ■ | D mm | A mm | L mm | g | | |
|---|---|---|---|---|---|---|---|---|---|
| 10÷50 | 1÷5 | 7÷37 | 3/8 | 30 | 33 | 312 | 660 | | |
| **666HS/5** | | | | | | | | 1 | 006664005 |
| 20÷100 | 2÷10 | 15÷75 | 3/8 | 30 | 33 | 381 | 730 | | |
| **666HS/10** | | | | | | | | 1 | 006664010 |
| 40÷200 | 4÷20 | 30÷150 | 1/2 | 40 | 43 | 470 | * 1010 | | |
| **666HS/20LC** | | | | | | | | 1 | 006664021 |
| 60÷300 | 6÷30 | 50÷220 | 1/2 | 40 | 43 | 598 | * 1380 | | |
| **666HS/30LC** | | | | | | | | 1 | 006664031 |

## 900E-HS/55

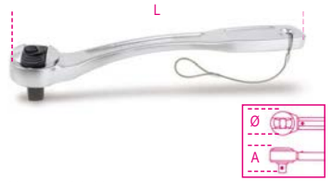
reversible ratchets
with H-SAFE tethered system

DIN 3122 - UNI-ISO 3315

| L mm | Ø mm | A mm | ■ | | |
|---|---|---|---|---|---|
| 125 | 25 | 18 | 1/4 | 1 | 009004880 |

## 910E-HS/55

reversible ratchets
with H-SAFE tethered system

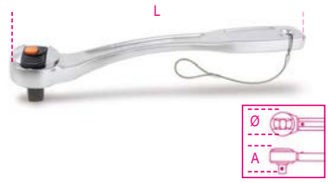



DIN 3122 - UNI-ISO 3315

| L mm | Ø mm | A mm | ■ | | |
|---|---|---|---|---|---|
| 200 | 30 | 33 | 3/8 | 1 | 009104880 |

## 920E-HS/55LC

reversible ratchets "Locking System"
with H-SAFE tethered system

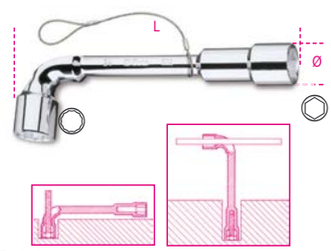



DIN 3122 - UNI-ISO 3315

| L mm | Ø mm | A mm | ■ | | |
|---|---|---|---|---|---|
| 275 | 40 | 43 | 1/2 | 1 | 009204860 |

## 932HS

double ended hexagon / bi-hex offset socket wrenches, bright chrome-plated
with H-SAFE tethered system




NF E 74.303

| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| 6x6 | 11,5 | 110 | 1 | 009324006 |
| 7x7 | 12,5 | 116 | 1 | 009324007 |
| 8x8 | 13,0 | 120 | 1 | 009324008 |
| 9x9 | 14,0 | 125 | 1 | 009324009 |
| 10x10 | 16,5 | 133 | 1 | 009324010 |
| 11x11 | 17,5 | 143 | 1 | 009324011 |
| 12x12 | 19,0 | 148 | 1 | 009324012 |
| 13x13 | 19,5 | 154 | 1 | 009324013 |
| 14x14 | 21,5 | 167 | 1 | 009324014 |
| 15x15 | 22,5 | 182 | 1 | 009324015 |
| 16x16 | 24,5 | 193 | 1 | 009324016 |
| 17x17 | 26,0 | 198 | 1 | 009324017 |
| 18x18 | 26,5 | 215 | 1 | 009324018 |
| 19x19 | 29,0 | 220 | 1 | 009324019 |

## 1032HS

internal circlip pliers, straight pattern PVC-coated handles
with H-SAFE tethered system

UNI 7914 DIN 5256

| L mm | ⊙ Ø mm | Ø1 mm | A mm | | |
|---|---|---|---|---|---|
| **140x1,3** | 12÷25 | 1,3 | 20 | 1 | 010324014 |
| **180** | 19÷60 | 1,9 | 21 | 1 | 010324017 |

## 1034HS

internal circlip pliers, bent pattern,90° PVC-coated handles
with H-SAFE tethered system

UNI 7914 DIN 5256

| L mm | ⊙ Ø mm | Ø1 mm | A mm | | |
|---|---|---|---|---|---|
| **170** | 19÷60 | 1,9 | 21 | 1 | 010344017 |

## 1036HS

external circlip pliers, straight pattern PVC-coated handles
with H-SAFE tethered system

UNI 7915 DIN 5254

| L mm | ● Ø mm | Ø1 mm | A mm | | |
|---|---|---|---|---|---|
| **140x1,3** | 10÷25 | 1,3 | 20 | 1 | 010364014 |
| **175** | 19÷60 | 1,9 | 21 | 1 | 010364017 |

## 1038HS

external circlip pliers, bent pattern, 90° PVC-coated handles
with H-SAFE tethered system

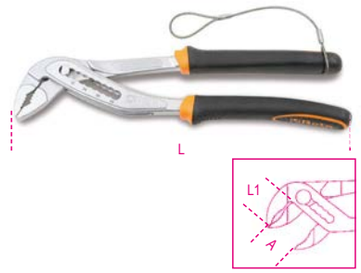
UNI 7915 DIN 5254

| L mm | ● Ø mm | Ø1 mm | A mm | | |
|---|---|---|---|---|---|
| **175** | 19÷60 | - | 21 | 1 | 010384017 |

## 1048BM-HS

slip joint pliers, boxed joint, bimaterial handles
with H-SAFE tethered system

· new 9-position model

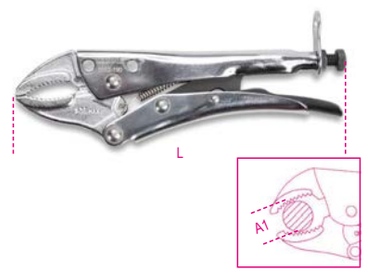



ISO 8976

| L mm | A max mm | L1 mm | g | | |
|---|---|---|---|---|---|
| **250** | 48 | 39 | 460 | 1 | 010484215 |

## 1052HS

adjustable self-locking pliers, concave jaws
with H-SAFE tethered system




| L mm | A mm | A1 max mm | S mm | | |
|---|---|---|---|---|---|
| **240** | 72 | 42 | 10,0 | 1 | 010524024 |

## 1082BM-HS

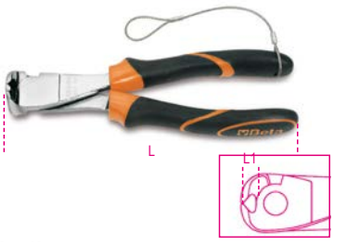
diagonal cutting nippers, bi-material handles
with H-SAFE tethered system

UNI/ISO 5749

| L mm | L1 mm | mm | A mm | | |
|---|---|---|---|---|---|
| **160** | 22 | 1,6 | 28,0 | 1 | 010824036 |

## 1088BM-HS

heavy duty end cutting nippers, bi-material handles
with H-SAFE tethered system




UNI/ISO 5748

| L mm | L1 mm | mm | A mm | | |
|---|---|---|---|---|---|
| **160** | 9 | 1,6 | 28,0 | 1 | 010884036 |
| **200** | 11 | 2,0 | 36,0 | 1 | 010884040 |

## 1128BAX-HS

Double-acting electricians' scissors,with milling profiles in DLC-coated stainless steel
with H-SAFE tethered system

**Double-acting cutting: a special cam on the fulcrum allows the blades to run lengthwise, which results in increased cutting power while closing the blades.**

**Profile and mill: designed to enlarge holes on plastic, from 13 mm to 25 mm.**

**DLC coating: DLC (diamond-like carbon) is an innovative carbon-based coating: the high hardness and low coefficient of friction arise from the simultaneous presence of carbon on the surface in the form of graphite, and diamond.**

- **High blade surface hardness (resistance to abrasion and wear)**
- **Low coefficient of friction (smoothness and anti-adherence)**
- **Anti-loose eccentric pin**
- **Large handles with pipe throttling grooves**
- **With articulated plastic case**

| L mm | L1 mm | mm² | | |
|---|---|---|---|---|
| **150** | 50 | 50 | 1 | 011284088 |

## 1132BM-HS

cable cutters for insulated copper and aluminium cables, bi-material handles
with H-SAFE tethered system

UNI 8791

| L ~ | mm | A mm | B mm | | |
|---|---|---|---|---|---|
| **230** | 18 | 37 | 12,5 | 1 | 011324143 |

## 1150BM-HS

combination pliers bright chrome-plated, bi-material handles
with H-SAFE tethered system

ISO 5746

| L mm | L1 mm | A mm | A mm | | |
|---|---|---|---|---|---|
| **160** | 42 | 1,6 | 22,0 | 1 | 011504146 |
| **180** | 46 | 1,8 | 25,0 | 1 | 011504148 |
| **200** | 50 | 2,0 | 27,0 | 1 | 011504150 |

## 1166BM-HS

extra long needle knurled nose pliers, bi-material handles
with H-SAFE tethered system

ISO 5745

| L mm | L1 mm | A mm | A mm | | |
|---|---|---|---|---|---|
| **200** | 76 | 1,6 | 22,0 | 1 | 011664040 |

## 1168BM-HS

extra long bent needle knurled nose pliers, bi-material handles

ISO 5745

| L mm | L1 mm | A mm | A mm | | |
|---|---|---|---|---|---|
| **200** | 70 | 1,6 | 22,0 | 1 | 011684040 |

## 1290HS

screwdrivers for slotted head screws
H-SAFE

ISO 2380

| SxAxL mm | L1 mm | Ø mm | | |
|---|---|---|---|---|
| **0,4x2,5x75** | 171 | 2,5 | 1 | 012904006 |
| **0,5x3x100** | 196 | 3,0 | 1 | 012904012 |
| **0,6x3,5x100** | 196 | 3,5 | 1 | 012904021 |
| **0,8x4x100** | 196 | 4,0 | 1 | 012904030 |
| **0,8x4x150** | 246 | 4,0 | 1 | 012904036 |
| **1x5,5x150** | 259 | 5,0 | 1 | 012904042 |
| **1,2x6,5x150** | 270 | 6,0 | 1 | 012904051 |
| **1,2x8x150** | 282 | 7,0 | 1 | 012904057 |
| **1,6x10x200** | 332 | 8,0 | 1 | 012904066 |

## 1292HS

screwdrivers for cross head Phillips® screws
with H-SAFE tethered system

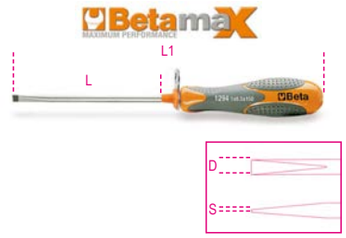
UNI/ISO 8764

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| **0x3x100** | 196 | 1 | 012924006 |
| **1x4,5x120** | 229 | 1 | 012924012 |
| **2x6x150** | 270 | 1 | 012924021 |
| **3x8x150** | 282 | 1 | 012924024 |

## 1294HS

screwdrivers for headless slotted screws

with H-SAFE tethered system




| SxDxL mm | L1 mm | | |
|---|---|---|---|
| **0,5x2,5x60** | 156 | 1 | 012944003 |
| **0,6x3x75** | 171 | 1 | 012944006 |
| **0,8x4x100** | 196 | 1 | 012944012 |
| **1x5x125** | 234 | 1 | 012944018 |

## 1299HS

screwdrivers for cross head Pozidriv(R)-Supadriv(R) screws
with H-SAFE tethered system

UNI/ISO 8764

| PZ | L mm | L1 mm | | |
|---|---|---|---|---|
| **0** | 60 | 156 | 1 | 012994000 |
| **1** | 80 | 189 | 1 | 012994003 |
| **2** | 100 | 220 | 1 | 012994006 |
| **3** | 150 | 282 | 1 | 012994009 |

## 1370T-HS

mechanic's hammers
fibre shaft
with H-SAFE tethered system

| g | A mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **300** | 23 | 300 | 105 | 1 | 013704630 |
| **500** | 27 | 320 | 118 | 1 | 013704650 |
| **1000** | 36 | 360 | 135 | 1 | 013704700 |

## 1370FT-HS

riveting hammers, fibre shafts

with H-SAFE tethered system

| A mm | L mm | L1 mm | B mm | | |
|---|---|---|---|---|---|
| **28** | 280 | 86 | 22 | 1 | 013704528 |
| **30** | 280 | 92 | 24 | 1 | 013704530 |
| **36** | 300 | 104 | 29 | 1 | 013704536 |

## 1390HS

soft face hammers, wooden shafts
with H-SAFE tethered system

UNI 7784

| D mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **35** | 310 | 95 | 1 | 013904035 |
| **45** | 320 | 107 | 1 | 013904045 |

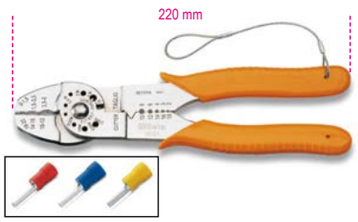
## 1392HS

dead-blow hammers, with interchangeable plastic faces, steel shafts
with H-SAFE tethered system

| D mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **35** | 305 | 115 | 1 | 013924035 |
| **40** | 310 | 125 | 1 | 013924040 |
| **50** | 325 | 135 | 1 | 013924050 |
| **60** | 385 | 155 | 1 | 013924060 |

## 1602A-HS

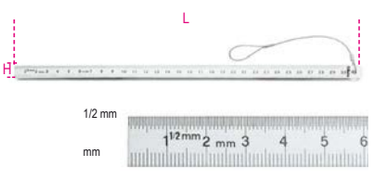
crimping pliers for insulated terminals, standard model
with H-SAFE tethered system




| mm² | L mm | A mm | B mm | | |
|---|---|---|---|---|---|
| **0÷6** | 220 | 42 | 4 | 1 | 016024005 |

## 1682HS

flexible graduated rules made from stainless steel
with H-SAFE tethered system




| L mm | H mm | ±S mm | | |
|---|---|---|---|---|
| **200** | 13 | 0,5 | 1 | 016824020 |
| **300** | 13 | 0,5 | 1 | 016824030 |

## 1692HS

measuring tapes,shock-resistant bi-material ABS casings,
steel tapes,
precision class II

with H-SAFE tethered system

| L m | S mm | | |
|---|---|---|---|
| **3** | 16 | 1 | 016924053 |
| **5** | 19 | 1 | 016924055 |

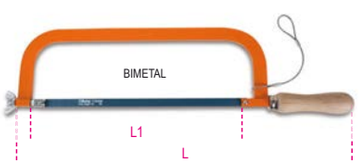
## 1708HS/20

metric feeler gauges
with H-SAFE tethered system

| S mm | S | L mm | | |
|---|---|---|---|---|
| **0,05÷1,0** | 0,002÷0,040 | 105 | 1 | 017084020 |

## 1727HS

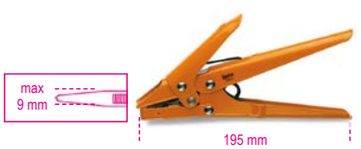
hacksaw frame, heavy series
with H-SAFE tethered system




| L mm | L1 mm | | |
|---|---|---|---|
| **515** | 300 | 1 | 017274001 |

## 1743HS

fitting tool for nylon ties
with H-SAFE tethered system




| L mm | A mm | B mm | | |
|---|---|---|---|---|
| **195** | 85 | 17 | 1 | 017434001 |

## 1750HS

lever operated grease guns
with H-SAFE tethered system

| cc | L mm | | |
|---|---|---|---|
| **500** | 380 | 1 | 017504500 |

## 1760BHS

digital multimeter
with H-SAFE tethered system

**SPECIFICATIONS**
**DC voltage: 200 mV-2/20/200/1000V**
**AC voltage: 2-20/200/700V**
**DC current: 2/20/200 mA-20 A**
**AC current: 2/200 mA- 20 A**
**Resistance: 200Ω - 2/20/200 kΩ - 2/20 MΩ**
**Capacity: 2/20/200 nF - 2/200 µF**
**Temperature: -20° + 1000°C/ -4 °F ~ +2000°F**
**Frequency: 20kHz**
**Power supply: 1 9V battery (included)**

| | | |
|---|---|---|
| **1760BHS** | 1 | 017604012 |

## 1772H-HS

safety utility knife with retractable blade, supplied with 2 blades
with H-SAFE tethered system

| | L mm | A mm | | |
|---|---|---|---|---|
| | 170 | 18 | 1 | 017724029 |

## 1778SOS-HS

car service knife
with window breaking hammer
and seat belt cutter features
in case
with H-SAFE tethered system

| | L mm | A mm | L1 mm | | |
|---|---|---|---|---|---|
| | 205 | 25 | 85 | 1 | 017784080 |

## 8871

safety belt with metal double closure buckle.
To connect H-SAFE tools

| | L cm min-max | | |
|---|---|---|---|
| 70 | 70-100 | 1 | 088710070 |
| 100 | 100-135 | 1 | 088710100 |

## 8872A

fixed loop

- For belt item 8871

| | | | |
|---|---|---|---|
| 8872A 50 | 1 | 088720050 | |

## 8872AS

strap loop

- For belt item 8871

| | D mm | | |
|---|---|---|---|
| 8872AS 25 | 25 | 1 | 088720525 |

## 8873

tool bag
with self-locking

- For belt item 8871

| | | | |
|---|---|---|---|
| 8873 | 1 | 088730230 | |

## 8877

cushioned hook-up lace

- MAX 2.7 kg

| | L cm min÷max | DxL mm | | |
|---|---|---|---|---|
| 8877 80 | 70-110 | 40x80 | 1 | 088770080 |

## 8877M

cushioned hook-up lace

- With anti-winding joint
- MAX 2.7 kg

| | L cm min÷max | DxL mm | | |
|---|---|---|---|---|
| | 20-140 | 30x60 | 1 | 088770510 |

## 8879

strap wristband

- MAX 2.7 kg

| | D mm | | |
|---|---|---|---|
| 8879 | 30 | 1 | 088790025 |

## 8880

hard hook-up lace

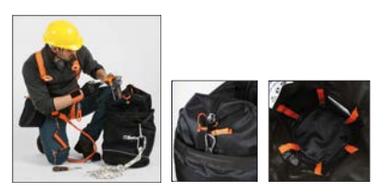
- With anti-winding joint

| | L Cm | D mm | | |
|---|---|---|---|---|
| 8880 | 30 | 10 | 1 | 088800030 |

## 8883

tool bag

- Made of anti-abrasion nylon 840
- MAX 20 kg
- Snap link for stopping zip at top
- 6 tool retaining strings
- Interior pocket



| | DxH cm | | |
|---|---|---|---|
| 8883 | 30x40 | 1 | 088830030 |

# STAINLESS STEEL TOOLS

**Stainless steel** is an alloy steel with a high chromium content.
Chromium forms a surface oxide film which protects metal and immediately reforms in case of chemical or mechanical damage.

We at **Beta Utensili** have relied on this unique characteristic to develop the **Beta Inox** tools, which are the name for high resistance to corrosion as well as remarkable **hygiene** and l**ow bacterial retentiveness**. Indeed, stainless steel tools **get less dirty and are cleaned better** than those made from other materials, and can be **autoclaved at 121 °C.**

The **Beta Inox** tools can be used in **critical environments** – that is, in areas where absolutely no contamination is permitted.

**Fields of application:**
- Nuclear applications
- Pharmaceutical production - class C
- Biotechnological and biomedical laboratories
- Food industry.

The **Beta Inox** tools avoid ferrous contamination, thus preventing improper **rust formation**. Whenever any tools made of ordinary carbon steel are used on stainless steel screws, nuts or surfaces, a few iron particles may come off the tools, which results in aesthetic problems (**iron moulds**). If neglected, these trigger localized corrosion. Using stainless steel tools will completely prevent polluting particles from spreading.

**STAINLESS STEEL + NO STAINLESS STEEL= RUST**

**STAINLESS STEEL + STAINLESS STEEL= NO RUST**

**Fields of application**:
- Shipyards
- Building
- Offshore applications
- Solar systems
- Car industry

**Mechanical characteristics**
Beta's tools are made of magnetic **steel AISI 420**. Its outstanding mechanical characteristics translate into tools whose performance far exceeds the standards and is comparable to that of Beta's other tools.
These tools share the same ergonomic properties and design as Beta's other tools, which have been known to, and appreciated by, professional users for over 80 years.
The containers are made of **steel AISI 304**, which can boast remarkable cold formability properties and even higher corrosion resistance.

**Recyclability**
Stainless steel is **100% recyclable.**
This is also a major plus.

Mark for stainless steel products
Released by Centro Inox – Italian Stainless Steel Development Association
– for products made of stainless steel.

## 34INOX

flat chisels,
made of stainless steel

| L mm | A mm | Ø mm | | |
|---|---|---|---|---|
| **160** | 18 | 18 | 1 | 000340318 |
| **200** | 20 | 20 | 1 | 000340320 |

## 39INOX

wedges,
made of stainless steel

| L mm | A mm | S mm | | |
|---|---|---|---|---|
| **100** | 50 | 10 | 1 | 000390310 |
| **150** | 50 | 13 | 1 | 000390315 |
| **200** | 40 | 40 | 1 | 000390320 |

## 42INOX

combination wrenches
made of stainless steel

DIN 3113 - UNI ISO 7738

| mm | L mm | | |
|---|---|---|---|
| **6x6** | 95 | 2 | 000420306 |
| **7x7** | 105 | 2 | 000420307 |
| **8x8** | 116 | 2 | 000420308 |
| **9x9** | 127 | 2 | 000420309 |
| **10x10** | 137 | 2 | 000420310 |
| **11x11** | 148 | 2 | 000420311 |
| **12x12** | 158 | 2 | 000420312 |
| **13x13** | 169 | 2 | 000420313 |
| **14x14** | 180 | 2 | 000420314 |
| **15x15** | 190 | 2 | 000420315 |
| **16x16** | 201 | 2 | 000420316 |
| **17x17** | 212 | 2 | 000420317 |
| **18x18** | 222 | 2 | 000420318 |
| **19x19** | 233 | 2 | 000420319 |
| **21x21** | 254 | 1 | 000420321 |
| **22x22** | 264 | 1 | 000420322 |
| **24x24** | 285 | 1 | 000420324 |
| **27x27** | 290 | 1 | 000420327 |
| **30x30** | 320 | 1 | 000420330 |
| **32x32** | 340 | 1 | 000420332 |
| **36x36** | 360 | 1 | 000420336 |
| **38x38** | 430 | 1 | 000420338 |
| **41x41** | 430 | 1 | 000420341 |
| **46x46** | 480 | 1 | 000420343 |
| **50x50** | 520 | 1 | 000420345 |
| **55x55** | 560 | 1 | 000420347 |
| **60x60** | 595 | 1 | 000420350 |

**42INOX/S11** 1 000420391
6-8-10-11-12-13-
14-15-16-17-19 mm

**42INOX/SC9** 1 000420387
8-10-11-12-13-14-15-17-19 mm

**42INOX/SCV9** 1 000420303

## 42INOX-AS

combination wrenches,
made of stainless steel

| " | L mm | | |
|---|---|---|---|
| **1/4x1/4** | 95 | 1 | 000420356 |
| **5/16x5/16** | 116 | 1 | 000420358 |
| **3/8x3/8** | 137 | 1 | 000420360 |
| **7/16x7/16** | 148 | 1 | 000420361 |
| **1/2x1/2** | 169 | 1 | 000420363 |
| **9/16x9/16** | 180 | 1 | 000420364 |
| **5/8x5/8** | 201 | 1 | 000420366 |
| **11/16x11/16** | 212 | 1 | 000420367 |
| **3/4x3/4** | 233 | 1 | 000420369 |
| **13/16x13/16** | 254 | 1 | 000420371 |
| **7/8x7/8** | 264 | 1 | 000420372 |
| **15/16x15/16** | 285 | 1 | 000420373 |

**42INOX-AS/S9** 1 000420396
1/4-5/16-3/8-7/16-1/2
9/16-5/8-11/16-3/4

## 96BPINOX

ball head offset hexagon key wrenches,
made of stainless steel

| mm | L mm | L1 mm | g | | |
|---|---|---|---|---|---|
| **2** | 91 | 22 | 4 | 4 | 000961441 |
| **2,5** | 91 | 22 | 6 | 4 | 000961442 |
| **3** | 101 | 24 | 11 | 4 | 000961443 |
| **4** | 112 | 29 | 19 | 4 | 000961444 |
| **5** | 131 | 33 | 32 | 4 | 000961445 |
| **6** | 154 | 36 | 51 | 4 | 000961446 |
| **7** | 164 | 40 | 65 | 2 | 000961447 |
| **8** | 175 | 44 | 116 | 2 | 000961448 |
| **10** | 197 | 51 | 189 | 2 | 000961450 |

**96BPINOX/B6** 1 000961455
2,5-3-4-5-6-8 mm

**96BPINOX/B9** 1 000961456
2-2,5-3-4-5-
6-7-8-10 mm

**96BPINOX/BV** 1 000961459

## 96BPINOX-AS

ball head offset hexagon key wrenches,
made of stainless steel

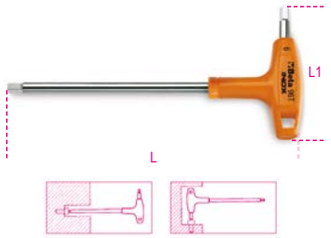
| " | L mm | L1 mm | g | | |
|---|---|---|---|---|---|
| **5/64** | 91 | 22 | 5,5 | 4 | 000961989 |
| **3/32** | 91 | 22 | 5,3 | 4 | 000961990 |
| **7/64** | 101 | 24 | 10,5 | 4 | 000961991 |
| **1/8** | 101 | 24 | 10,7 | 4 | 000961992 |
| **9/64** | 112 | 29 | 18,7 | 4 | 000961993 |
| **5/32** | 112 | 29 | 18,7 | 4 | 000961994 |
| **3/16** | 131 | 33 | 31,5 | 2 | 000961995 |
| **7/32** | 154 | 36 | 50,0 | 2 | 000961996 |
| **1/4** | 164 | 40 | 70,0 | 2 | 000961997 |
| **5/16** | 175 | 44 | 115,0 | 2 | 000961998 |
| **3/8** | 197 | 51 | 186,5 | 2 | 000961999 |

**96BPINOX-AS/B8** 1 000962000
5/64-3/32-1/8-5/32-
3/16-7/32-1/4-5/16

**96BPINOX/BV** 1 000961459

## 96TINOX

offset hexagon key wrenches,
with high-torque handles,
made of stainless steel

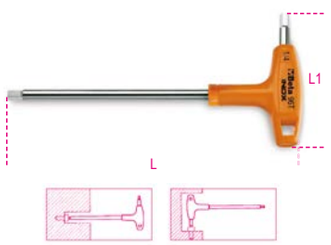



| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **2,5** | 153 | 55 | 2 | 000961935 |
| **3** | 153 | 55 | 2 | 000961936 |
| **4** | 179 | 70 | 2 | 000961938 |
| **5** | 200 | 84 | 2 | 000961940 |
| **6** | 221 | 95 | 2 | 000961941 |
| **7** | 236 | 106 | 2 | 000961942 |
| **8** | 255 | 117 | 2 | 000961943 |
| **10** | 285 | 132 | 2 | 000961944 |

| | | | |
|---|---|---|---|
| **96TINOX/S5**<br>2,5-3-4-5-6 mm | 1 | 000961952 |
| **96TINOX/S8**<br>2,5-3-4-5-<br>6-7-8-10 mm | 1 | 000961954 |

## 96TINOX-AS

offset hexagon key wrenches,
with high torque handles,
made of stainless steel




| " | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **3/32** | 153 | 55 | 3 | 2 | 000961861 |
| **7/64** | 153 | 55 | 4 | 2 | 000961862 |
| **1/8** | 179 | 70 | 4 | 2 | 000961863 |
| **9/64** | 179 | 70 | 5 | 2 | 000961864 |
| **5/32** | 200 | 84 | 6 | 2 | 000961865 |
| **3/16** | 200 | 84 | 6 | 2 | 000961866 |
| **7/32** | 221 | 103 | 7 | 2 | 000961867 |
| **1/4** | 236 | 106 | 8 | 2 | 000961868 |
| **5/16** | 255 | 117 | 10 | 2 | 000961869 |
| **3/8** | 285 | 132 | 12 | 2 | 000961870 |

| | | |
|---|---|---|
| **96TINOX-AS/S7**<br>3/32-1/8-5/32-3/16-<br>7/32-1/4-5/16 | 1 | 000961877 |

## 111INOX

adjustable wrenches,
made of stainless steel

DIN 3117 - ISO 6787

| mm | L " | A max mm | A1 mm | | |
|---|---|---|---|---|---|
| **150** | 6 | 18 | 45 | 1 | 001110315 |
| **200** | 8 | 24 | 58 | 1 | 001110320 |
| **250** | 10 | 30 | 70 | 1 | 001110325 |

## 362INOX

heavy-duty pipe wrenches,
made of stainless steel

| mm | Ø max mm | | |
|---|---|---|---|
| **300** | 58 | 1 | 003620430 |

## 920INOX-A

hexagon hand sockets,
made of stainless steel

DIN 3124 - UNI ISO 2725

| mm | Ø mm | A mm | L mm | | |
|---|---|---|---|---|---|
| **8** | 15 | 10 | 40 | 2 | 009203008 |
| **9** | 16 | 10 | 40 | 2 | 009203009 |
| **10** | 17 | 10 | 40 | 2 | 009203010 |
| **11** | 18 | 11 | 40 | 2 | 009203011 |
| **12** | 19 | 11 | 40 | 2 | 009203012 |
| **13** | 20 | 11 | 40 | 2 | 009203013 |
| **14** | 21 | 11 | 40 | 2 | 009203014 |
| **15** | 23 | 11 | 40 | 2 | 009203015 |
| **16** | 24 | 11 | 40 | 2 | 009203016 |
| **17** | 25 | 11 | 40 | 2 | 009203017 |
| **18** | 26 | 13 | 42 | 2 | 009203018 |
| **19** | 28 | 13 | 42 | 2 | 009203019 |
| **20** | 29 | 13 | 42 | 1 | 009203020 |
| **21** | 30 | 13 | 43 | 1 | 009203021 |
| **22** | 31 | 15 | 43 | 1 | 009203022 |
| **24** | 34 | 15 | 43 | 1 | 009203024 |
| **27** | 38 | 18 | 46 | 1 | 009203027 |
| **30** | 42 | 20 | 46 | 1 | 009203030 |
| **32** | 44 | 20 | 46 | 1 | 009203032 |

## 920/55INOX

1/2" drive reversible ratchet,
72 teeth,
made of stainless steel

| mm | Ø mm | A mm | | |
|---|---|---|---|---|
| **264** | 40 | 43 | 1 | 009203882 |

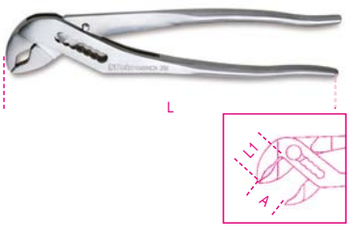
## 920/R55INOX

| | | |
|---|---|---|
| **920/R55INOX** | 1 | 009203879 |

## 1048INOX

slip joint pliers, boxed joints,
made of stainless steel

- **7-position model**




| mm | L | A max mm | L1 mm | | |
|---|---|---|---|---|---|
| **250** | | 33 | 33 | 1 | 010480325 |

## 1082INOX

diagonal cutting nippers,
made of stainless steel

| mm | L mm | L1 mm | | | |
|---|---|---|---|---|---|
| **150** | | 20,0 | 1,6 | 1 | 010820350 |

## 1150INOX

heavy-duty combination pliers,
made of stainless steel

**decentralized pin**
**open joint**

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **180** | | 39 | 1 | 011500518 |

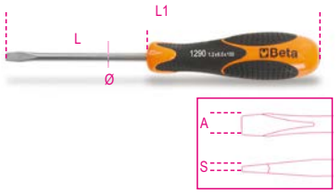
## 1153INOX

adjustable pliers, two positions,
made of stainless steel

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| **150** | | 26 | 1 | 011530315 |

## 1290INOX

screwdrivers for slotted head screws
made of stainless steel

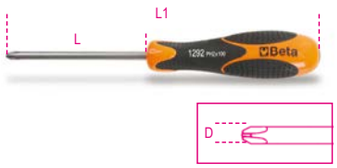



ISO 2380

| SxAxL mm | L1 mm | Ø mm | | |
|---|---|---|---|---|
| **0,4x2,5x50** | 146 | 2.5 | 4 | 012900403 |
| **0,5x3x75** | 171 | 3.0 | 4 | 012900409 |
| **0,8x4x100** | 196 | 4.0 | 4 | 012900430 |
| **1,0x5,5x150** | 259 | 5.0 | 4 | 012900442 |
| **1,2x6,5x150** | 270 | 6.0 | 4 | 012900451 |

## 1292INOX

screwdrivers for cross head Phillips® screws,
made of stainless steel




ISO 8764

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| **0x3x60** | 156 | 4 | 012920403 |
| **1x4,5x80** | 189 | 4 | 012920409 |
| **2x6x100** | 220 | 4 | 012920418 |

## 1293INOX/D8

screwdriver set
made of stainless steel

| | | |
|---|---|---|
| **1293INOX/D8** | 1 | 012930408 |
| 1290INOX | 0,4x2,5x50-0,5x3x75 0,8x4x100-1,0x5,5x150-1,2x6,5x150 mm | |
| 1292INOX | PH0x60-PH1x80 PH2x100 mm | |

## 1370INOX

engineer's hammer,
made of stainless steel

| g | A mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **500** | 25 | 240 | 101 | 1 | 013700375 |

## 1377INOX

ball pein hammers,
round heads,
for coppersmiths and tinsmiths,
made of stainless steel

| g | L mm | L1 mm | | |
|---|---|---|---|---|
| **230** | 220 | 82 | 1 | 013770623 |
| **340** | 220 | 90 | 1 | 013770634 |

## 1730INOX

universal spatula,
made from stainless steel

| A mm | L mm | | |
|---|---|---|---|
| **50** | 200 | 1 | 017300450 |

## C20TSS

five-section cantilever tool box, made of AISI 304 stainless steel

| | | |
|---|---|---|
| **C20TSS** | 1 | 021203001 |

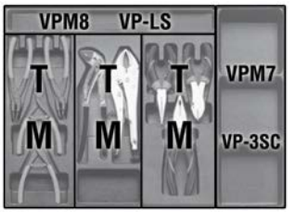
: 450x200x210 mm - 4kg

# C04TSS-7

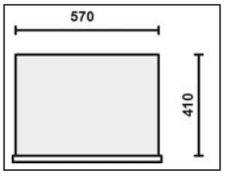
mobile roller cab with seven drawers, made entirely of stainless steel, Non-marking wheels

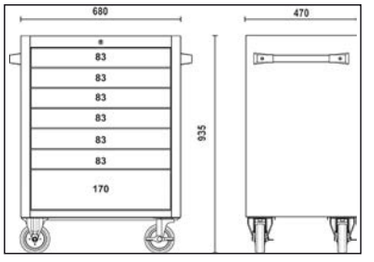
Main features:
• Seven drawers (570 x 410 mm) with ball bearing slides;
6 drawers, 83 mm high;
1 drawer, 170 mm high;
• 4 castors Ø 125 mm
2 fixed and 2 steering (two with brakes);
• Front centralized lock;
• Frame made entirely of stainless steel AISI 304
• Castors, supports, ball bearings, drawer interiors and guides made of stainless steel
• Drawer handles made of aluminium

63 kg




| h | max |
|---|---|
| 83 mm | 25 kg |
| 170 mm | 30 kg |



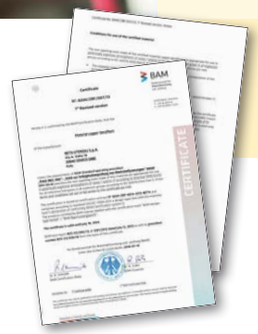




| C04TSS/7 | 1 | 024003077 |
|---|---|---|

# SPARK-PROOF TOOLS

## Copper-Berillium Cu-Be

The **Beta** spark-proof tools are specially designed for safe operations in environments subject to potential risk of explosion, in the presence of flammable liquids or gases, or for any applications that require using perfectly antimagnetic, corrosion-resistant tools.



The Beta sparkproof tools are certified by the Federal Institute for Materials Research and Testing, BAM, under European Directive 99/92/EC.

**WARNING!**
Risk of explosion in **ACETYLENE** environment

The mechanical characteristics of sparkproof tools differ from those of normal steel tools. Sparkproof tools should be used with extreme caution, avoiding overloads.

| CLASSIFICATION OF AREAS SUBJECT TO EXPLOSION RISK | | |
|---|---|---|
| ATEX | MEDIUM-LOW | EXTREMELY LOW |
| GASES | **ZONE 1**<br>An area in which an explosive atmosphere consisting of a mixture of air and flammable substances in the form of gas, vapour or mist is likely to occur in normal operation. | **ZONE 2**<br>An area in which an explosive atmosphere consisting of a mixture of air and flammable substances in the form of gas, vapour or mist is not likely to occur in normal operation but, if it does occur, will persist for a short period only. |
| DUSTS | **ZONE 21**<br>An area in which an explosive atmosphere in the form of a cloud of combustible dust in air is likely to occur in normal operation occasionally. | **ZONE 22**<br>An area in which an explosive atmosphere in the form of a cloud of combustible dust in air is not likely to occur in normal operation but, if it does occur, will persist for a short period only. |

## 30BA
sparkproof drift punches

| Ø mm | L mm | S mm | | |
|---|---|---|---|---|
| **5** | 150 | 15 | 1 | 000300806 |
| **8** | 150 | 17 | 1 | 000300808 |
| **10** | 150 | 19 | 1 | 000300810 |

## 31BA
sparkproof pin punches

| Ø mm | L mm | | |
|---|---|---|---|
| **3** | 110 | 1 | 000310853 |
| **4** | 110 | 1 | 000310854 |
| **6** | 115 | 1 | 000310856 |
| **8** | 120 | 1 | 000310858 |

## 31BA/C
sparkproof drift punches

| Ø mm | Ø1 mm | L mm | | |
|---|---|---|---|---|
| ★**6** | 12 | 150 | 1 | 000310876 |
| ★**7** | 13 | 150 | 1 | 000310877 |
| ★**12** | 18 | 175 | 1 | 000310882 |
| ★**13** | 29 | 255 | 1 | 000310883 |

## 32BA
sparkproof centre punch

| ● mm | L mm | | |
|---|---|---|---|
| **14** | 150 | 1 | 000320811 |

## 34BA
sparkproof flat chisels

| L mm | A mm | | |
|---|---|---|---|
| **200** | 22 | 1 | 000340801 |
| **250** | 24 | 1 | 000340803 |
| **300** | 25 | 1 | 000340802 |

## 39BA

sparkproof wedges

| L mm | A mm | | |
|---|---|---|---|
| 150 | 40 | 1 | 000390801 |
| 230 | 40 | 1 | 000390802 |
| 250 | 40 | 1 | 000390803 |

## 42BA

sparkproof combination wrenches, open bi-hex ring ends

| mm | L mm | | |
|---|---|---|---|
| 6x6 | 105 | 1 | 000420806 |
| 7x7 | 105 | 1 | 000420807 |
| 8x8 | 120 | 1 | 000420808 |
| 9x9 | 120 | 1 | 000420809 |
| 10x10 | 135 | 1 | 000420810 |
| 11x11 | 135 | 1 | 000420811 |
| 12x12 | 150 | 1 | 000420812 |
| 13x13 | 150 | 1 | 000420813 |
| 14x14 | 175 | 1 | 000420814 |
| 15x15 | 175 | 1 | 000420815 |
| 16x16 | 195 | 1 | 000420816 |
| 17x17 | 200 | 1 | 000420817 |
| 18x18 | 215 | 1 | 000420818 |
| 19x19 | 220 | 1 | 000420819 |
| 20x20 | 230 | 1 | 000420820 |
| 21x21 | 240 | 1 | 000420821 |
| 22x22 | 250 | 1 | 000420822 |
| 24x24 | 268 | 1 | 000420824 |
| 26x26 | 290 | 1 | 000420826 |
| 27x27 | 290 | 1 | 000420827 |
| 28x28 | 290 | 1 | 000420828 |
| 30x30 | 313 | 1 | 000420830 |
| 32x32 | 333 | 1 | 000420832 |
| 34x34 | 360 | 1 | 000420834 |
| 35X35 | 360 | 1 | 000420835 |
| 36x36 | 355 | 1 | 000420836 |
| 38x38 | 430 | 1 | 000420838 |
| 41x41 | 430 | 1 | 000420841 |
| 46x46 | 480 | 1 | 000420846 |
| 50x50 | 520 | 1 | 000420850 |
| 55x55 | 560 | 1 | 000420855 |
| 60x60 | 580 | 1 | 000420860 |
| ★65x65 | 595 | 1 | 000420865 |
| ★70x70 | 630 | 1 | 000420870 |

## 42BA-AS

sparkproof combination wrenches, open bi-hex ring ends

| " | L mm | | |
|---|---|---|---|
| 9/32x9/32 | 120 | 1 | 000420946 |
| 5/16x5/16 | 120 | 1 | 000420947 |
| 11/32x11/32 | 135 | 1 | 000420948 |
| 3/8x3/8 | 128 | 1 | 000420950 |
| 7/16x7/16 | 135 | 1 | 000420951 |
| 15/32x15/32 | 140 | 1 | 000420949 |
| 1/2x1/2 | 140 | 1 | 000420953 |
| 9/16x9/16 | 163 | 1 | 000420954 |
| ★19/32x19/32 | 195 | 1 | 000420955 |
| 5/8x5/8 | 177 | 1 | 000420956 |
| 11/16x11/16 | 195 | 1 | 000420957 |
| 3/4x3/4 | 215 | 1 | 000420959 |
| 13/16x13/16 | 230 | 1 | 000420961 |
| 7/8x7/8 | 235 | 1 | 000420962 |
| 15/16x15/16 | 256 | 1 | 000420964 |
| ★31/32x31/32 | 265 | 1 | 000420963 |
| 1x1 | 266 | 1 | 000420965 |
| 1.1/16x1.1/16 | 283 | 1 | 000420967 |
| 1.1/8x1.1/8 | 297 | 1 | 000420969 |
| 1.3/16x1.3/16 | 308 | 1 | 000420970 |
| 1.1/4x1.1/4 | 324 | 1 | 000420973 |
| ★1.7/16x1.7/16 | 360 | 1 | 000420976 |

## 55BA

sparkproof double open end wrenches

| mm | L mm | | |
|---|---|---|---|
| 6x7 | 90 | 1 | 000550801 |
| 8x9 | 100 | 1 | 000550802 |
| 8x10 | 100 | 1 | 000550795 |
| 9x11 | 110 | 1 | 000550797 |
| 10x11 | 120 | 1 | 000550803 |
| 12x13 | 130 | 1 | 000550804 |
| ★12x14 | 130 | 1 | 000550846 |
| 13x14 | 133 | 1 | 000550799 |
| 14x15 | 145 | 1 | 000550805 |
| 14x17 | 150 | 1 | 000550806 |
| 16x17 | 165 | 1 | 000550807 |
| 17x19 | 170 | 1 | 000550847 |
| 18x19 | 170 | 1 | 000550809 |
| ★19x22 | 185 | 1 | 000550810 |
| 20x22 | 185 | 1 | 000550811 |
| 21x23 | 210 | 1 | 000550813 |
| 22x24 | 210 | 1 | 000550815 |
| 24x26 | 230 | 1 | 000550817 |
| 24x27 | 230 | 1 | 000550818 |
| 25x28 | 230 | 1 | 000550819 |
| 27x29 | 246 | 1 | 000550820 |
| 30x32 | 265 | 1 | 000550822 |
| 36x38 | 320 | 1 | 000550826 |
| 36x41 | 335 | 1 | 000550828 |
| 41x46 | 355 | 1 | 000550829 |
| ★46x50 | 370 | 1 | 000550830 |
| ★50x55 | 385 | 1 | 000550831 |
| ★55x60 | 415 | 1 | 000550832 |

## 55BA-AS

sparkproof double open end wrenches

| " | L mm | | |
|---|---|---|---|
| 3/8x7/16 | 110 | 1 | 000550853 |
| 1/2x9/16 | 130 | 1 | 000550854 |
| 5/8x11/16 | 160 | 1 | 000550857 |
| 3/4x13/16 | 180 | 1 | 000550859 |
| 7/8x15/16 | 210 | 1 | 000550865 |
| 1x1.1/16 | 230 | 1 | 000550868 |
| 1.1/8x1.3/16 | 245 | 1 | 000550870 |
| 1.1/4x1.5/16 | 255 | 1 | 000550872 |

## 58BA

sparkproof open end slogging wrenches

| mm | L mm | | |
|---|---|---|---|
| 17 | 125 | 1 | 000580817 |
| 19 | 125 | 1 | 000580819 |
| 22 | 135 | 1 | 000580822 |
| 24 | 150 | 1 | 000580824 |
| 27 | 165 | 1 | 000580827 |
| 30 | 180 | 1 | 000580830 |
| 32 | 190 | 1 | 000580832 |
| ★34 | 200 | 1 | 000580834 |
| 36 | 210 | 1 | 000580836 |
| 38 | 220 | 1 | 000580838 |
| 41 | 230 | 1 | 000580841 |
| 46 | 240 | 1 | 000580846 |
| 50 | 255 | 1 | 000580850 |
| ★55 | 305 | 1 | 000580855 |
| ★60 | 315 | 1 | 000580860 |
| ★65 | 335 | 1 | 000580865 |
| ★70 | 370 | 1 | 000580870 |
| ★75 | 375 | 1 | 000580875 |
| ★80 | 400 | 1 | 000580880 |
| ★85 | 400 | 1 | 000580885 |
| ★90 | 445 | 1 | 000580890 |
| ★95 | 445 | 1 | 000580895 |
| ★100 | 485 | 1 | 000580900 |
| ★110 | 513 | 1 | 000580901 |

## 58BA-AS

sparkproof double open end slogging wrenches

| mm | L mm | A mm | S mm | | |
|---|---|---|---|---|---|
| ★11/16 | 125 | 40,5 | 11,0 | 1 | 000580904 |
| ★3/4 | 125 | 40,5 | 11,0 | 1 | 000580905 |
| ★7/8 | 135 | 46,2 | 12,0 | 1 | 000580906 |
| ★15/16 | 150 | 50,3 | 12,0 | 1 | 000580907 |
| ★31/32 | 150 | 50,3 | 12,0 | 1 | 000580954 |
| ★1 | 175 | 56,9 | 15,0 | 1 | 000580908 |
| ★1.1/8 | 190 | 64,0 | 15,5 | 1 | 000580909 |
| ★1.1/4 | 190 | 64,0 | 15,5 | 1 | 000580910 |
| ★1.7/16 | 210 | 75,0 | 18,5 | 1 | 000580912 |
| ★1.1/2 | 220 | 82,0 | 18,5 | 1 | 000580913 |
| ★1.5/8 | 230 | 86,8 | 18,5 | 1 | 000580914 |
| ★1.3/4 | 250 | 98,0 | 20, | 1 | 000580970 |

## 78BA

sparkproof bi-hex ring slogging wrenches

| mm | L mm | | |
|---|---|---|---|
| 17 | 145 | 1 | 000780817 |
| 19 | 145 | 1 | 000780819 |
| 22 | 165 | 1 | 000780822 |
| 24 | 140 | 1 | 000780824 |
| 27 | 155 | 1 | 000780827 |
| 30 | 165 | 1 | 000780830 |
| 32 | 180 | 1 | 000780832 |
| 34 | 192 | 1 | 000780834 |
| 36 | 208 | 1 | 000780836 |
| 38 | 215 | 1 | 000780838 |
| 41 | 225 | 1 | 000780841 |
| 46 | 245 | 1 | 000780846 |
| 50 | 250 | 1 | 000780850 |
| 55 | 265 | 1 | 000780855 |
| 60 | 275 | 1 | 000780860 |
| 65 | 295 | 1 | 000780865 |

| mm | L mm | | |
|---|---|---|---|
| 70 | 310 | 1 | 000780870 |
| 75 | 325 | 1 | 000780875 |
| 80 | 340 | 1 | 000780880 |
| ★85 | 355 | 1 | 000780885 |
| ★90 | 380 | 1 | 000780890 |
| ★95 | 390 | 1 | 000780895 |
| ★100 | 410 | 1 | 000780900 |
| ★105 | 420 | 1 | 000780903 |
| ★110 | 445 | 1 | 000780901 |
| ★120 | 480 | 1 | 000780902 |

## 78BA-AS

sparkproof bi-hex ring slogging wrenches

| " | L mm | | |
|---|---|---|---|
| 11/16 | 145 | 1 | 000780908 |
| 3/4 | 145 | 1 | 000780909 |
| 7/8 | 155 | 1 | 000780935 |
| 15/16 | 165 | 1 | 000780936 |
| ★31/32 | 165 | 1 | 000780937 |
| 1 | 175 | 1 | 000780938 |
| ★1.1/16 | 175 | 1 | 000780939 |
| 1.1/8 | 180 | 1 | 000780940 |
| 1.3/16 | 185 | 1 | 000780941 |
| 1.1/4 | 177 | 1 | 000780910 |
| ★1.5/16 | 200 | 1 | 000780954 |
| ★1.3/8 | 205 | 1 | 000780911 |
| 1.7/16 | 208 | 1 | 000780912 |
| ★1.1/2 | 215 | 1 | 000780913 |
| ★1.9/16 | 225 | 1 | 000780947 |
| ★1.11/16 | 225 | 1 | 000780962 |
| 1.5/8 | 225 | 1 | 000780914 |
| ★1.3/4 | 235 | 1 | 000780963 |
| 1.13/16 | 243 | 1 | 000780916 |
| 1.7/8 | 235 | 1 | 000780915 |
| 2 | 254 | 1 | 000780918 |
| 2.3/16 | 264 | 1 | 000780920 |
| 2.3/8 | 275 | 1 | 000780922 |
| ★2.9/16 | 286 | 1 | 000780924 |
| ★2.15/16 | 311 | 1 | 000780926 |
| ★3.1/8 | 325 | 1 | 000780928 |
| ★3.1/2 | 355 | 1 | 000780930 |

## 89BA

spark-proof single ring wrenches

| mm | L mm | | |
|---|---|---|---|
| 10 | 200 | 1 | 000890810 |
| 11 | 210 | 1 | 000890811 |
| 12 | 220 | 1 | 000890812 |
| 13 | 230 | 1 | 000890813 |
| 14 | 240 | 1 | 000890814 |
| 16 | 260 | 1 | 000890816 |
| 17 | 270 | 1 | 000890817 |
| 18 | 280 | 1 | 000890818 |
| 19 | 300 | 1 | 000890819 |
| 20 | 310 | 1 | 000890820 |
| 22 | 330 | 1 | 000890822 |
| 24 | 350 | 1 | 000890824 |
| 27 | 370 | 1 | 000890827 |
| 30 | 400 | 1 | 000890830 |
| 32 | 420 | 1 | 000890832 |

## 90BA

sparkproof double ended offset ring wrenches

| mm | L mm | | |
|---|---|---|---|
| 6x7 | 122 | 1 | 000900801 |
| 8x9 | 128 | 1 | 000900802 |
| 10x11 | 155 | 1 | 000900803 |
| 12x13 | 175 | 1 | 000900806 |
| 12X14 | 180 | 1 | 000900807 |
| 14x15 | 200 | 1 | 000900808 |
| 14x17 | 220 | 1 | 000900809 |
| 16x17 | 230 | 1 | 000900811 |
| 16x18 | 235 | 1 | 000900812 |
| 17X19 | 250 | 1 | 000900814 |
| 18x19 | 265 | 1 | 000900815 |
| 19x22 | 280 | 1 | 000900817 |
| 20x22 | 295 | 1 | 000900818 |
| 21x23 | 298 | 1 | 000900820 |
| 22x24 | 315 | 1 | 000900821 |
| 24x26 | 333 | 1 | 000900822 |
| 24x27 | 340 | 1 | 000900823 |
| 30x32 | 395 | 1 | 000900824 |
| 34x36 | 410 | 1 | 000900826 |
| ★36x41 | 450 | 1 | 000900828 |
| ★41x46 | 470 | 1 | 000900829 |
| ★46x50 | 490 | 1 | 000900830 |

## 91BA

sparkproof heavy duty offset ring wrenches

| mm | Ø mm | | |
|---|---|---|---|
| 24 | 38 | 1 | 000910824 |
| 27 | 42 | 1 | 000910827 |
| 30 | 48 | 1 | 000910830 |
| 32 | 49 | 1 | 000910832 |
| 36 | 54 | 1 | 000910836 |
| 41 | 62 | 1 | 000910841 |
| ★46 | 69 | 1 | 000910846 |
| ★50 | 75 | 1 | 000910850 |
| ★55 | 82 | 1 | 000910855 |

## 92BA

sparkproof tubes for item 91BA

| | L mm | 91BA mm | Ø mm | | |
|---|---|---|---|---|---|
| 92BA/1 | 460 | 24÷30 | 25 | 1 | 000920810 |
| 92BA/2 | 610 | 32÷41 | 28 | 1 | 000920820 |
| ★92BA/3 | 760 | 46÷55 | 32 | 1 | 000920830 |

## 93BA

ratcheting double-ended offset ring wrench for scaffolding bolts, sparkproof

| mm | L mm | | |
|---|---|---|---|
| 21x22 | 345 | 1 | 000930821 |

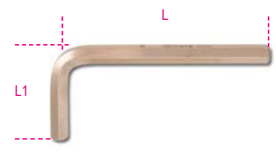
## 95BA

double ended flat ring wrenches, sparkproof

| mm | L mm | | |
|---|---|---|---|
| 7x9 | 115 | 1 | 000950801 |
| 8x10 | 115 | 1 | 000950802 |
| 10x11 | 140 | 1 | 000950804 |
| 10x12 | 140 | 1 | 000950805 |
| 12x14 | 145 | 1 | 000950806 |
| 14x17 | 165 | 1 | 000950807 |
| ★16x18 | 170 | 1 | 000950809 |
| ★17x19 | 185 | 1 | 000950808 |
| ★18x19 | 185 | 1 | 000950810 |
| ★19x22 | 200 | 1 | 000950812 |
| ★21x23 | 230 | 1 | 000950815 |
| ★24x27 | 255 | 1 | 000950817 |
| ★30x32 | 295 | 1 | 000950820 |

## 96BA

sparkproof offset hexagon key wrenches




| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 1,5 | 50 | 17 | 1 | 000960760 |
| 2 | 50 | 16 | 1 | 000960762 |
| 2,5 | 56 | 20 | 1 | 000960761 |
| 3 | 63 | 21 | 1 | 000960763 |
| 4 | 69 | 25 | 1 | 000960764 |
| 5 | 78 | 29 | 1 | 000960765 |
| 6 | 88 | 33 | 1 | 000960766 |
| 7 | 93 | 34 | 1 | 000960767 |
| 8 | 97 | 36 | 1 | 000960768 |
| 9 | 104 | 37 | 1 | 000960769 |
| 10 | 110 | 39 | 1 | 000960770 |
| 11 | 118 | 42 | 1 | 000960771 |
| 12 | 122 | 44 | 1 | 000960772 |
| 14 | 150 | 58 | 1 | 000960774 |
| 15 | 156 | 60 | 1 | 000960775 |
| 16 | 162 | 63 | 1 | 000960776 |
| 17 | 168 | 65 | 1 | 000960777 |
| 19 | 177 | 72 | 1 | 000960779 |
| 22 | 186 | 77 | 1 | 000960802 |
| 24 | 192 | 82 | 1 | 000960804 |

## 96BA/BP

ball head offset hexagon key wrenches, sparkproof

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 1,5 | 50 | 16 | 1 | 000961800 |
| 2 | 50 | 16 | 1 | 000961801 |
| 2,5 | 63 | 20 | 1 | 000961802 |
| 3 | 60 | 20 | 1 | 000961803 |
| 3,5 | 70 | 25 | 1 | 000961799 |
| 4 | 66 | 25 | 1 | 000961804 |
| 5 | 75 | 28 | 1 | 000961805 |
| 6 | 84 | 32 | 1 | 000961806 |
| 8 | 92 | 36 | 1 | 000961808 |
| 10 | 102 | 40 | 1 | 000961810 |
| 12 | 113 | 45 | 1 | 000961812 |

## 96BAF-AS
sparkproof offset hexagon key wrenches

| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| ★1/16 | 59 | 25 | 1 | 000962831 |
| ★5/64 | 59 | 25 | 1 | 000962832 |
| ★3/32 | 59 | 25 | 1 | 000962833 |
| ★7/64 | 59 | 25 | 1 | 000962834 |
| ★1/8 | 59 | 25 | 1 | 000962835 |
| ★9/64 | 64 | 29 | 1 | 000962836 |
| ★5/32 | 65 | 30 | 1 | 000962837 |
| ★3/16 | 79 | 31 | 1 | 000962838 |
| ★7/32 | 85 | 37 | 1 | 000962839 |
| ★1/4 | 85 | 37 | 1 | 000962840 |
| ★5/16 | 92 | 44 | 1 | 000962842 |
| ★3/8 | 110 | 45 | 1 | 000962844 |
| ★7/16 | 119 | 48 | 1 | 000962845 |
| ★1/2 | 140 | 55 | 1 | 000962846 |
| ★9/16 | 150 | 58 | 1 | 000962847 |

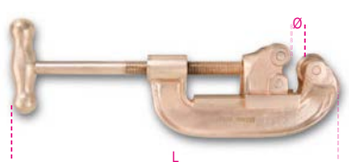
## 99BA
sparkproof hook wrenches with square noses, for ring nuts UNI/ISO 2982, 2983

| mm | A mm | | |
|---|---|---|---|
| 32-75 | 4,0 | 1 | 000990803 |
| 50-120 | 4,5 | 1 | 000990805 |
| 115-170 | 4,5 | 1 | 000990811 |

## 110BA
sparkproof adjustable wrenches

| L mm | A max | | |
|---|---|---|---|
| 100 | 13 | 1 | 001100810 |
| 150 | 18 | 1 | 001100815 |
| 200 | 24 | 1 | 001100820 |
| 250 | 30 | 1 | 001100825 |
| 300 | 36 | 1 | 001100830 |
| 375 | 46 | 1 | 001100837 |
| ★450 | 55 | 1 | 001100845 |
| ★600 | 65 | 1 | 001100860 |

## 330BA
sparkproof pipe cutters for gas pipes




| | Ø max | L mm | | |
|---|---|---|---|---|
| 330BA/2 | 50 mm 2" | 375 | 1 | 003300802 |

## 330BA/2R
spare pin and knife for gas pipe cutter 330BA, sparkproof

| | | |
|---|---|---|
| 330BA /2-R | 1 | 003300822 |

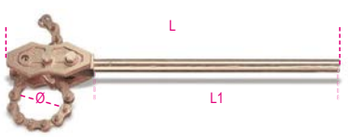
## 363BA
sparkproof heavy duty pipe wrenches

| L mm | Ø max | Ø max mm | | |
|---|---|---|---|---|
| 150 | 1/2" gas | 20 | 1 | 003630815 |
| 200 | 1" gas | 30 | 1 | 003630820 |
| 250 | 1"1/2 gas | 49 | 1 | 003630825 |
| 300 | 2" gas | 60 | 1 | 003630830 |
| 350 | 2" gas | 60 | 1 | 003630835 |
| 450 | 2"1/2 gas | 76 | 1 | 003630845 |
| 600 | 3" gas | 90 | 1 | 003630860 |

## 378BA
sparkproof pipe wrench, Swedish pattern, made from copper/beryllium alloy

| L mm | Ø max " | | |
|---|---|---|---|
| 430 | 1" 1/2 gas | 1 | 003780800 |
| 530 | 2" gas | 1 | 003780801 |

## 386BA
sparkproof heavy duty reversible chain pipe wrenches




| L mm | Ø max mm | L1 mm | | |
|---|---|---|---|---|
| 600 | 100 | 470 | 1 | 003860806 |
| 900 | 200 | 750 | 1 | 003860809 |

## 911BA
bi-hex hand sockets, spark-proof

3/8"

| mm | L mm | | | |
|---|---|---|---|---|
| 6 | 28 | | 1 | 009110806 |
| 7 | 28 | | 1 | 009110807 |
| 8 | 28 | | 1 | 009110808 |
| 9 | 28 | | 1 | 009110809 |
| 10 | 32 | | 1 | 009110810 |
| 11 | 32 | | 1 | 009110811 |
| 12 | 32 | | 1 | 009110812 |
| 13 | 32 | | 1 | 009110813 |
| 14 | 32 | | 1 | 009110814 |
| 15 | 32 | | 1 | 009110815 |
| 16 | 32 | | 1 | 009110816 |
| 17 | 32 | | 1 | 009110817 |
| 18 | 32 | | 1 | 009110818 |
| 19 | 32 | 32 | 1 | 009110819 |

## 911BA/16
adaptor, 3/8" female and 1/2" male drives, spark-proof

3/8"

| L mm | □ | ■ | | |
|---|---|---|---|---|
| 34 | 3/8 | 1/2 | 1 | 009110836 |

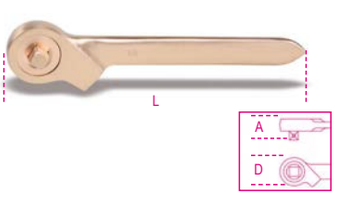
## 911BA/20
extension bar, 3/8" male and female drives, spark-proof

3/8"

| L mm | | |
|---|---|---|
| 75 | 1 | 009110840 |

## 911BA/55
3/8" push-through drive ratchet, spark-proof

3/8"




| L mm | D mm | A mm | | |
|---|---|---|---|---|
| 200 | 45 | 16.5 | 1 | 009110882 |

## 921BA

sparkproof bi-hex sockets

| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| 8 | 24,0 | 40 | 1 | 009210808 |
| 9 | 24,0 | 40 | 1 | 009210809 |
| 10 | 16,5 | 40 | 1 | 009210810 |
| 11 | 17,5 | 40 | 1 | 009210811 |
| 12 | 18,5 | 40 | 1 | 009210812 |
| 13 | 19,5 | 40 | 1 | 009210813 |
| 14 | 20,0 | 40 | 1 | 009210814 |
| 15 | 21,5 | 40 | 1 | 009210815 |
| 16 | 24,0 | 40 | 1 | 009210816 |
| 17 | 25,0 | 40 | 1 | 009210817 |
| 18 | 25,0 | 40 | 1 | 009210818 |
| 19 | 28,0 | 42 | 1 | 009210819 |
| 20 | 29,0 | 42 | 1 | 009210820 |
| 21 | 30,0 | 43 | 1 | 009210821 |
| 22 | 30,5 | 43 | 1 | 009210822 |
| 24 | 34,0 | 43 | 1 | 009210824 |
| 25 | 36,0 | 43 | 1 | 009210825 |
| 26 | 37,5 | 43 | 1 | 009210826 |
| 27 | 37,5 | 45 | 1 | 009210827 |
| 28 | 38,9 | 46 | 1 | 009210828 |
| 30 | 41,5 | 46 | 1 | 009210830 |
| 32 | 43,5 | 46 | 1 | 009210832 |

## 921BA-AS

sparkproof bi-hex sockets

| " | Ø mm | L mm | | |
|---|---|---|---|---|
| 5/16 | 24,0 | 40 | 1 | 009210958 |
| 3/8 | 24,0 | 40 | 1 | 009210960 |
| 7/16 | 24,0 | 40 | 1 | 009210961 |
| 1/2 | 24,0 | 40 | 1 | 009210963 |
| 9/16 | 24,0 | 40 | 1 | 009210964 |
| 5/8 | 25,0 | 40 | 1 | 009210966 |
| 11/16 | 25,5 | 40 | 1 | 009210967 |
| 3/4 | 28,0 | 42 | 1 | 009210969 |
| 13/16 | 30,0 | 43 | 1 | 009210971 |
| 7/8 | 31,5 | 43 | 1 | 009210972 |
| 15/16 | 34,0 | 43 | 1 | 009210974 |
| 1 | 36,0 | 43 | 1 | 009210975 |
| 1.1/16 | 38,0 | 46 | 1 | 009210977 |
| 1.1/4 | 42,0 | 46 | 1 | 009210982 |
| 1.7/16 | 50,5 | 50 | 1 | 009210986 |

## 921BA/15

adaptor,
1/2" female and 3/8" male drives,
spark-proof

| L mm | □ | ■ | | |
|---|---|---|---|---|
| 34 | 1/2 | 3/8 | 1 | 009210839 |

## 921BA/16

adaptor, 1/2" female and 3/4" male drives, sparkproof

| L mm | □ | ■ | | |
|---|---|---|---|---|
| 34 | 1/2 | 3/4 | 1 | 009210840 |

## 921BA/21 - 921BA/22

sparkproof 1/2" wobble extension bars

| | L mm | Ø mm | | |
|---|---|---|---|---|
| 921BA/21 | 125 | 30 | 1 | 009210842 |
| 921BA/22 | 250 | 31 | 1 | 009210844 |

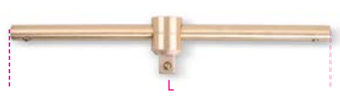
## 921BA/25

sparkproof 1/2" drive universal joint

| L mm | Ø mm | □ | ■ | | |
|---|---|---|---|---|---|
| 80 | 25 | 1/2 | 1/2 | 1 | 009210845 |

## 921BA/42

sparkproof 1/2" drive sliding T handle



| L mm | | |
|---|---|---|
| 250 | 1 | 009210846 |

## 921BA/50

sparkproof 1/2" drive
push-through square ratchet

| L mm | D mm | A mm | | |
|---|---|---|---|---|
| 250 | 45 | 16,5 | 1 | 009210850 |

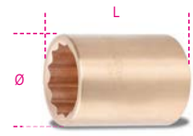
## 921BA/R50

sparkproof
spare set

| ■ | | |
|---|---|---|
| 1/2" | 1 | 009210851 |

## 926BA

sparkproof bi-hex hand sockets



| mm | Ø mm | L mm | | |
|---|---|---|---|---|
| 22 | 40 | 55 | 1 | 009260822 |
| 24 | 40 | 55 | 1 | 009260824 |
| 26 | 40 | 55 | 1 | 009260826 |
| 27 | 40 | 55 | 1 | 009260827 |
| 28 | 41 | 55 | 1 | 009260828 |
| 30 | 43 | 60 | 1 | 009260830 |
| 32 | 45 | 60 | 1 | 009260832 |
| 34 | 48 | 60 | 1 | 009260834 |
| 36 | 50 | 60 | 1 | 009260836 |
| 38 | 53 | 60 | 1 | 009260838 |
| 41 | 57 | 65 | 1 | 009260841 |
| 46 | 63 | 65 | 1 | 009260846 |
| 50 | 68 | 70 | 1 | 009260850 |

## 926BA/15

adaptor, 3/4" female and 1/2" male drives, sparkproof

| L mm | □ | ■ | | |
|---|---|---|---|---|
| 55 | 3/4 | 1/2 | 1 | 009260861 |

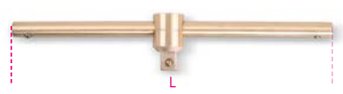
## 926BA/22

sparkproof 3/4" drive extension bars

| | L mm | Ø mm | | |
|---|---|---|---|---|
| 926BA/22 | 200 | 38 | 1 | 009260872 |

## 926BA/42

sparkproof 3/4" drive slide T-handle



| L mm | | |
|---|---|---|
| 400 | 1 | 009260876 |

## 926BA/50
sparkproof 3/4" push-through drive ratchet

| L mm | D mm | A mm | | |
|---|---|---|---|---|
| 300 | 61 | 22 | 1 | 009260880 |

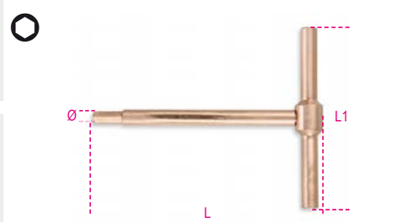
## 926BA/R50
sparkproof
spare set

| ■ | | |
|---|---|---|
| 3/4" | 1 | 009260881 |

## 937BA
hexagon socket wrenches, sparkproof

| mm | L mm | A mm | | |
|---|---|---|---|---|
| 13 | 240 | 45 | 1 | 009370813 |
| 17 | 260 | 51 | 1 | 009370817 |
| 19 | 270 | 55 | 1 | 009370819 |
| 22 | 278 | 59 | 1 | 009370822 |
| 24 | 286 | 63 | 1 | 009370824 |
| 27 | 294 | 69 | 1 | 009370827 |
| 30 | 302 | 75 | 1 | 009370830 |
| 32 | 310 | 81 | 1 | 009370832 |
| ★36 | 330 | 85 | 1 | 009370836 |
| ★41 | 350 | 90 | 1 | 009370841 |

## 951BA
T-handle wrenches with hexagon male ends, sparkproof




| mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 4 | 100 | 90 | 1 | 009510904 |
| 5 | 100 | 90 | 1 | 009510905 |
| 6 | 100 | 90 | 1 | 009510906 |

## 961BA
sparkproof scrapers

| L mm | A mm | | |
|---|---|---|---|
| 250 | 39 | 1 | 009610802 |
| 350 | 55 | 1 | 009610806 |

## 963BA
sparkproof pry bars with pointed and flat bent ends

| L mm | A mm | | |
|---|---|---|---|
| 500 | 24 | 1 | 009630801 |
| ★800 | 24 | 1 | 009630803 |
| ★1000 | 30 | 1 | 009630805 |

## 964BA
sparkproof wrench bungs

| L mm | | |
|---|---|---|
| 385 | 1 | 009640801 |

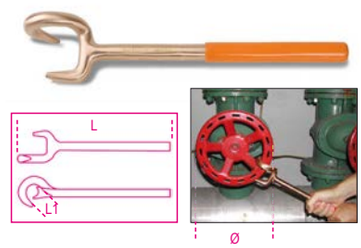
## 964BA/L
universal shears for barrels, sparkproof
**For opening edged metal barrels**

| L mm | | |
|---|---|---|
| ★964BA/L 510 | 1 | 009640821 |

## 965BA
safety valve wrenches, sparkproof

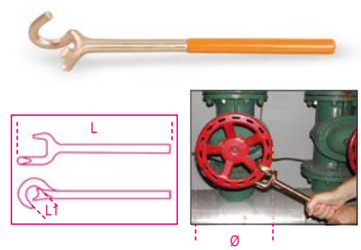
| A mm | A1 mm | L mm | | |
|---|---|---|---|---|
| 30 | 44 | 200 | 1 | 009650830 |
| 32 | 50 | 300 | 1 | 009650832 |
| 35 | 47 | 250 | 1 | 009650835 |
| 40 | 50 | 300 | 1 | 009650840 |
| 45 | 58 | 350 | 1 | 009650845 |
| 48 | 62 | 375 | 1 | 009650848 |
| 50 | 67 | 400 | 1 | 009650850 |
| 55 | 73 | 450 | 1 | 009650855 |
| 60 | 79 | 500 | 1 | 009650860 |
| ★65 | 82 | 550 | 1 | 009650865 |
| ★70 | 85 | 600 | 1 | 009650870 |

## 966BA
sparkproof safety valve wrench




| L mm | L1 mm | Ø min÷max mm | | |
|---|---|---|---|---|
| 350 | 40 | 50÷150 | 1 | 009660801 |

## 966BA/V
sparkproof safety valve wrenches

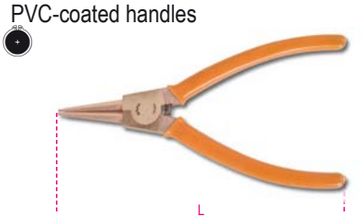



| L mm | L1 mm | Ø min÷max mm | | |
|---|---|---|---|---|
| 370 | 36 | 125÷250 | 1 | 009660812 |
| 430 | 48 | 250÷400 | 1 | 009660814 |

## 1032BA
sparkproof internal circlip pliers, straight pattern,
PVC-coated handles

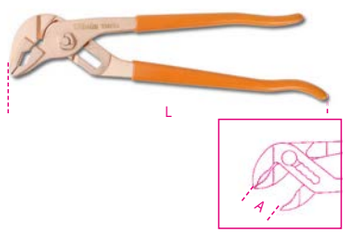
| L mm | ⊙ mm | | |
|---|---|---|---|
| 200 | 40÷100 | 1 | 010320820 |

## 1036BA
sparkproof external circlip pliers, straight pattern,
PVC-coated handles



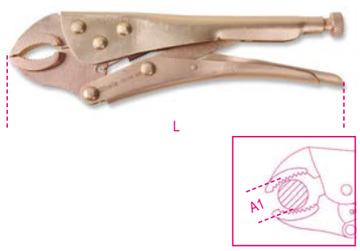

| L mm | ● mm | | |
|---|---|---|---|
| 200 | 40÷100 | 1 | 010360820 |

## 1046BA
sparkproof slip joint pliers



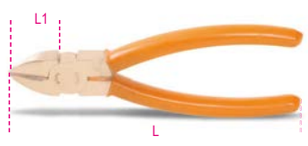

| L mm | A max mm | | |
|---|---|---|---|
| 250 | 32 | 1 | 010460801 |
| ★300 | 52 | 1 | 010460803 |

## 1052BA
adjustable self-locking pliers, concave jaws, sparkproof




| L mm | A1 max mm | | |
|---|---|---|---|
| 225 | 40,0 | 1 | 010520824 |

## 1082BA
sparkproof diagonal cutting nippers




| L mm | L1 mm | | |
|---|---|---|---|
| 160 | 22 | 1 | 010820801 |

## 1100BA
bolt cutters, spark-proof

| L mm | | |
|---|---|---|
| 600 | 1 | 011000860 |

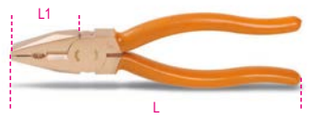
## 1137BA
blasting pliers

| L mm | L1 mm | | |
|---|---|---|---|
| 185 | 30 | 1 | 011370801 |

## 1137BA/RC
spare blade for item 1137BA

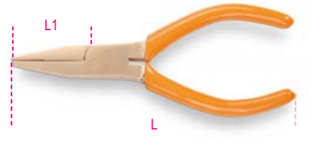
| | | |
|---|---|---|
| 1137BA/RC | 1 | 011370851 |

## 1150BA
sparkproof combination pliers



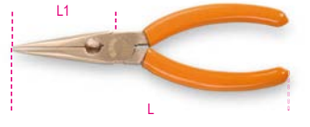

| L mm | L1 mm | | |
|---|---|---|---|
| 200 | 40 | 1 | 011500820 |

## 1162BA
sparkproof extra-long flat knurled nose pliers




| L mm | L1 mm | | |
|---|---|---|---|
| 150 | 54 | 1 | 011620815 |

## 1166BA
sparkproof extra-long needle knurled nose pliers




| L mm | L1 mm | | |
|---|---|---|---|
| 150 | 54 | 1 | 011660815 |

## 1270BA
sparkproof screwdrivers for slotted head screws

| AxL mm | L1 mm | | |
|---|---|---|---|
| 3x75 | 178 | 1 | 012700803 |
| 4x100 | 209 | 1 | 012700804 |
| 5x150 | 250 | 1 | 012700805 |
| 6x150 | 270 | 1 | 012700806 |
| 10x250 | 382 | 1 | 012700810 |
| 8x200 | 312 | 1 | 012700808 |

## 1272BA
sparkproof screwdrivers for cross head Phillips® screws

| PHxDxL mm | L1 mm | | |
|---|---|---|---|
| 1x5x100 | 209 | 1 | 012720801 |
| 2x6x150 | 270 | 1 | 012720802 |
| 3x8x200 | 332 | 1 | 012720803 |

## 1277BA
screwdrivers for Torx® head screws, sparkproof

| | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| T10 | 75 | 184 | 5 | 1 | 012770810 |
| T15 | 75 | 184 | 5 | 1 | 012770815 |
| T20 | 100 | 209 | 6 | 1 | 012770820 |
| T25 | 125 | 209 | 6 | 1 | 012770825 |
| T30 | 150 | 270 | 6 | 1 | 012770830 |
| T40 | 200 | 332 | 8 | 1 | 012770840 |

## 1370BA
sparkproof engineer's hammers, wooden shafts

| g | A mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| 500 | 30 | 310 | 108 | 1 | 013700805 |
| 1000 | 35 | 340 | 137 | 1 | 013700810 |

## 1370BA/MR

spare shafts for item 1370BA

| | | |
|---|---|---|
| **1370BA/MR 500**<br>1370BA/500 | 1 | 013700865 |
| **1370BA/MR 1000**<br>1370BA/1000 | 1 | 013700870 |

## 1370BA/PL

sparkproof engineer's hammers, fibre shafts

| g | A mm | L mm | L1 mm | | |
|---|---|---|---|---|---|
| **500** | 30 | 310 | 108 | 1 | 013700815 |
| **1000** | 35 | 340 | 137 | 1 | 013700820 |

## 1375BA/PL

sparkproof ball pein and claw hammer, wooden shaft

| g | L mm | L1 mm | Ø mm | | |
|---|---|---|---|---|---|
| **680** | 321 | 125 | 30 | 1 | 013750800 |

## 1377BA

sparkproof ball pein hammer, round head, for coppersmiths and tinsmiths

| g | L1 mm | L mm | | |
|---|---|---|---|---|
| **340** | 90 | 280 | 1 | 013770834 |

## 1377BA/PL

sparkproof ball pein hammer, round head, for coppersmiths and tinsmiths

| g | L1 mm | L mm | | |
|---|---|---|---|---|
| **340** | 90 | 280 | 1 | 013770884 |

## 1379BA

sparkproof scraping hammer, wooden shaft

| g | L1 mm | L mm | | |
|---|---|---|---|---|
| **500** | 142 | 315 | 1 | 013790850 |

## 1380BA

sparkproof lump hammers, wooden shafts

| g | L1 mm | L mm | | |
|---|---|---|---|---|
| **1000** | 100 | 400 | 1 | 013800810 |
| **1500** | 118 | 400 | 1 | 013800815 |
| **2000** | 126 | 400 | 1 | 013800820 |

## 1380BA/MR

spare shafts for item 1380BA

| | | |
|---|---|---|
| **1380BA/MR 1000**<br>1380BA/1000 | 1 | 013800860 |
| **1380BA/MR 1500**<br>1380BA/1500 | 1 | 013800865 |
| **1380BA/MR 2000**<br>1380BA/2000 | 1 | 013800870 |

## 1380BA/PL

sparkproof mason club hammers, fibre shafts

| g | L1 mm | L mm | | |
|---|---|---|---|---|
| **500** | 80 | 310 | 1 | 013800955 |
| **1000** | 94 | 350 | 1 | 013800960 |
| **1500** | 115 | 400 | 1 | 013800965 |
| **2000** | 125,5 | 400 | 1 | 013800970 |

## 1381BA

sparkproof sledge hammers, wooden shafts

| g | L1 mm | L mm | | |
|---|---|---|---|---|
| **5000** | 179 | 900 | 1 | 013810850 |
| ★**8000** | 190 | 900 | 1 | 013810858 |

## 1381BA/MR

spare shaft for item 1381BA

| | | |
|---|---|---|
| **1381BA/MR 5000**<br>1381BA/5000 | 1 | 013810870 |
| ★**1381BA/MR 8000**<br>1381BA/8000 | 1 | 013810878 |

## 1381BA/PL

sparkproof sledge hammers, fibre shafts

| g | L1 mm | L mm | | |
|---|---|---|---|---|
| **5000** | 172 | 900 | 1 | 013810885 |
| **8000** | 204 | 900 | 1 | 013810888 |

## 1390BA

spark-proof soft face hammer

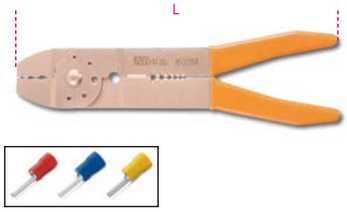
| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| ★**52** | 370 | 130 | 1 | 013900805 |

## 1390BA/R

spare nylon faces for item 1390BA

| D mm | | |
|---|---|---|
| **52** | 4 | 013900885 |

## 1602BA
sparkproof crimping pliers for insulated terminals, lightweight series




| mm² | L mm | | |
|---|---|---|---|
| 0.75÷6 | 200 | 1 | 016020801 |

## 1701BA
sparkproof hexagon chisels

| L mm | A mm | S mm | | |
|---|---|---|---|---|
| 150 | 12 | 10 | 1 | 017010810 |
| 200 | 16 | 14 | 1 | 017010814 |
| 250 | 18 | 14 | 1 | 017010815 |
| 350 | 19 | 17 | 1 | 017010817 |

## 1703BA/A
sparkproof axe

| L mm | L1 mm | A mm | | |
|---|---|---|---|---|
| 340 | 145 | 82 | 1 | 017030082 |

## 1703BA/P
sparkproof pick

| A mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 56 | 1050 | 410 | 1 | 017030150 |

## 1703BA/PL
sparkproof shovel

| A mm | L1 mm | L mm | | |
|---|---|---|---|---|
| 240 | 420 | 990 | 1 | 017030200 |

## 1717BA
sparkproof rigid spatulas

| A mm | | |
|---|---|---|
| 60 | 1 | 017170801 |
| 80 | 1 | 017170803 |

## 1717BA/1
sparkproof wall scraper

| A mm | L mm | | |
|---|---|---|---|
| 100 | 220 | 1 | 017170805 |

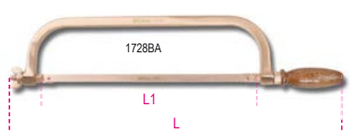
## 1719BA8
sparkproof files, 8"

| | L mm | | |
|---|---|---|---|
| 1719BA8/P | 200 | 1 | 017190801 |
| 1719BA8/M | 200 | 1 | 017190805 |
| 1719BA8/R | 200 | 1 | 017190810 |
| 1719BA8/T | 200 | 1 | 017190815 |
| 1719BA8/Q | 200 | 1 | 017190820 |

## 1719BA12
sparkproof files, 12"

| | L mm | | |
|---|---|---|---|
| 1719BA12/P | 300 | 1 | 017190831 |

## 1727BA
sparkproof hacksaw and blade




| L mm | L1 mm | | |
|---|---|---|---|
| 500 | 300 | 1 | 017270801 |

## 1728BA
spark-proof blades for hacksaw frames, made from copper-beryllium alloy

| L mm | | |
|---|---|---|
| 300 | 1 | 017280801 |

## 1737BA
brush with sparkproof wires

| L mm | A mm | | |
|---|---|---|---|
| 294 | 29 | 1 | 017370801 |

## 1758BA
sparkproof funnel

| Ø mm | H mm | | |
|---|---|---|---|
| 160 | 150 | 1 | 017580815 |

## 1776BA
sparkproof knife

| L1 mm | L mm | | |
|---|---|---|---|
| 145 | 250 | 1 | 017760801 |

## 1784BA
sparkproof scissors

| L mm | | |
|---|---|---|
| 225 | 1 | 017840822 |

## 1972/12

ultracompact drill, 12V

- ultracompact, no more than 176 mm in length; ultralightweight, no more than 1.1 kg, with battery, perfectly balanced
- double mechanical speed with steel gears and 18-position clutch
- torque up to 34 Nm and 1500 rpm (350 rpm in 1st gear); drills diameters up to 10 mm in steel and 20 mm in wood
- 2Ah batteries and charge indicator on drill body
- triple battery self-protection (heat, overload and monitoring of charge differences (if any) between cells) for increased safety and durable high performance
- ergonomic nonslip handle
- front LED
- 10-mm autochuck
- belt clip (right/left side)
- selector switch, screwing-unscrewing-locking modes (for transportation)
- supplied in a hard case with 2 lithium ion batteries (2 Ah) and quick charger (45 min)

1,1 kg

| | | | |
|---|---|---|---|
| 1972/12 | | 1 | 019720012 |

## 1984/18QM

reversible impact wrench, 18V, brushless

digital brushless motor: remarkably enhanced performance, including: increased power, reduced energy consumption, extended useful motor life, outstanding compactness, improved power proportioning from push button.
- 5Ah batteries with charge indicator
- ultracompact: no more than 196 mm in length
- 1/2" male drive with bush retaining ring
- belt clip (right/left side)
- triple front LED
- gearcase made entirely of metal
- selector switch, screwing-unscrewing-locking modes (for transportation)
- ergonomic nonslip handle
- triple battery self-protection (heat, overload and monitoring of charge differences (if any) between cells) for increased safety and durable high performance

4 modes available:
1: 270Nm; 1400 RPM
2: 360Nm; 2000 RPM
3: 450Nm; 2750 RPM
A: 450Nm Autostop - as long as the impact wrench detects a free rotation, it applies maximum torque/speed (450Nm; 2750 RPM)
when the nut reaches the end of stroke and stops rotating, the impact wrench keeps applying maximum torque for 1 second; then it sets itself to the lowest level, to avoid damaging the nut
- supplied in a hard case with hexagon bit holder adaptor (1/4"), 2 lithium ion batteries (5 Ah) and quick charger (80 min)

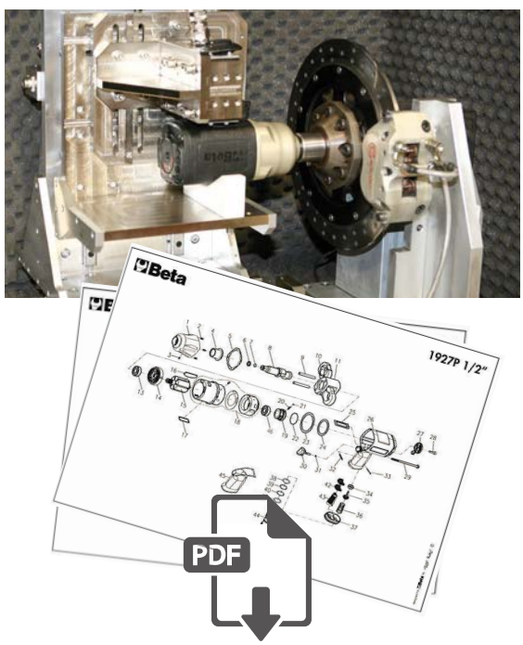
2,3 kg

| | | | |
|---|---|---|---|
| 1984/18QM | | 1 | 019840018 |

# PNEUMATIC TOOLS

For over 20 years Beta Utensili has supplemented its products with a comprehensive range of pneumatic tools and accessories developed for the automotive and industrial maintenance markets: impact wrenches, ratchets, drills, grinders, sanders and many more items.

During this period close co-operation with professional users has been key to ongoing growth. It is on the basis of such growth that Beta's pneumatic tools can boast an excellent reliability/performance ratio.
In order to satisfy market requirements in the best possible way, Beta Utensili repairs the pneumatic tools in its Quality Department.
This process has allowed the company to improve its know-how to a significant extent and become increasingly responsive to the customer base.




**www.beta-tools.com**

# GUIDE TO CHOOSING PNEUMATIC TOOLS

## IMPACT WRENCHES

| ■ | BETA ITEM | N °. | MATERIAL | max. Nm | db (A) LpA | db (A) LpW | l/min. | kg | MECHANISM | m/s² |
|---|---|---|---|---|---|---|---|---|---|---|
| 3/8" | | 1924F | Aluminium | **108** | 93.6 | 104.6 | 59 | 0,5 | Double hammer | 6.85 |
| 3/8" | | 1924B | Aluminium | **353** | 91 | 95 | 80 | 1,5 | Pin clutch | 7.9 |
| 3/8" | | 1924CD | Composite material | **410** | 91.7 | 102.7 | 79 | 1,3 | Double hammer | 6.2 |
| 1/2" | | 1927AN | Aluminium | **244** | 89.4 | 100.4 | 190 | 2,1 | Single hammer | 8.63 |
| 1/2" | | 1927G | Aluminium | **325** | 92.2 | 103.2 | 113 | 1,2 | Single hammer | 9.96 |
| 1/2" | | 1927B | Aluminium | **705** | 98.0 | 109.0 | 133 | 2,1 | Pin clutch | 14.08 |
| 1/2" | | 1927XM | Aluminium | **770** | 102 | 113 | 122 | 1,3 | Single hammer | 7.5 |
| 1/2" | | 1927CD | Composite material | **1.020** | 95.5 | 106.5 | 130 | 2,3 | Double hammer | 7.2 |
| 1/2" | | 1927P | Composite material | **1.750** | 95.1 | 106.1 | 290 | 2,0 | Double hammer | 6.7 |
| 3/4" | | 1928XM | Aluminium | **1.600** | 91.8 | 102.8 | 175 | 2,9 | Double hammer | 12.96 |
| 3/4" | | 1928DA | Aluminium | **1.695** | 96 | 99.5 | 300 | 4,3 | Double hammer | 3.6 |
| 3/4" | | 1928DAL | Aluminium | **1.695** | 96 | 99.5 | 300 | 4,8 | Double hammer | 3.6 |
| 3/4" | | 1928CD | Composite material | **1.800** | 97.5 | 108.5 | 215 | 3,5 | Double hammer | 11.4 |
| 1" | | 1930CD | Composite material | **2.445** | 95.6 | 97.1 | 410 | 7,1 | Double hammer | 3,6 |
| 1" | | 1930PA | Aluminium | **2.445** | 96.0 | 97.1 | 410 | 9,6 | Double hammer | 7,2 |
| 1" | | 1930A | Aluminium | **2.445** | 103.3 | 114.3 | 460 | 9,5 | Double hammer | 67 |
| 1" | | 1930LH | Aluminium | **2.441** | 97.1 | 108.1 | 282 | 7,1 | Double hammer | 17.4 |
| 1" | | 1930LA | Aluminium | **2.445** | 95.6 | 97.1 | 460 | 10,6 | Double hammer | 3,6 |
| 1" | | 1930HLA | Aluminium | **3.661** | 99 | 101 | 460 | 16,4 | Double hammer | 16,4 |
| 1 1/2" | | 1930ZL | Aluminium | **4.068** | 102.4 | 113.4 | 480 | 15 | Double hammer | 69.6 |

# GUIDE TO CHOOSING PNEUMATIC TOOLS

## AIR IMPACT RATCHETS

| ■ | BETA ITEM | N°. | max. Nm | db (A) LpA | db (A) LpW | l/min. | kg | m/s² |
|---|---|---|---|---|---|---|---|---|
| 1/4" | | 1921B1 | **24** | 96 | 85 | 90 | 0,4 | 2.6 |
| 1/4" | | 1921M1 | **27** | 84 | 88 | 96 | 0,6 | 1.8 |
| 1/4" | | 1922P1 | **68** | 90.6 | 101.6 | 88 | 0,6 | 8.61 |
| 3/8" | | 1921M2 | **27** | 84 | 88 | 96 | 0,6 | 1.8 |
| 3/8" | | 1922P2 | **68** | 90.6 | 101.6 | 88 | 0,6 | 8.61 |
| 1/2" | | 1921N3 | **68** | 80 | 87 | 140 | 1,2 | 2.6 |
| 1/2" | | 1922P3 | **136** | 94.9 | 105.9 | 113 | 1,5 | 18.28 |

## GRINDERS

| | BETA ITEM | N°. | POWER | db (A) LpA | db (A) LpW | l/min. | kg | m/s² |
|---|---|---|---|---|---|---|---|---|
| | | 1933 | **0,20 kW** | 80.0 | 87.0 | 230 | 0,38 | 4.53 |
| | | 1933L | **0,20 kW** | 80.0 | 87.0 | 270 | 0,67 | 1.15 |
| | | 1933AN90 | **0,20 kW** | 80.0 | 87.0 | 230 | 0,51 | 1.24 |
| | | 1933I | **0,38 kW** | 80.0 | 87.0 | 260 | 0,67 | 4.53 |
| | | 1933IL | **0,38 kW** | 79.0 | 97.0 | 113 | 1,4 | 1.6 |
| | | 1933IH | **0,75 kW** | 88.1 | 99.1 | 370 | 0,8 | 2.6 |
| | | 1933ILH | **0,75 kW** | 85.7 | 96.7 | 370 | 1,2 | 1.4 |
| | | 1933AN90-H | **0,75 kW** | 85.6 | 96.6 | 370 | 1,1 | 6.7 |
| | | 1934MAV | **0,04 kW** | 71 | 76 | 115 | 0,2 | 2.5 |
| | | 1934MAV70 | **0,08 kW** | 80 | 87 | 115 | 0,2 | 4 |

## 1921B1
baby reversible air ratchet

1/4"

| | |
|---|---|
| **Free speed** | **350 rpm** |
| Max. torque | 24 Nm |
| **Bolt capacity** | **Cl 8.8 M7●11 mm** |
| Bolt capacity | Cl 12.9 M6●10 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **8 mm** |
| Mean air consumption | 68 l/min |
| **Weight** | **0,4 kg** |

| " | | | |
|---|---|---|---|
| 1/4 | | 1 | 019210001 |

## 1921M1
compact reversible air ratchet

• **Knob speed regulator**

1/4"

| | |
|---|---|
| **Free speed** | **200 rpm** |
| Max. torque | 27 Nm |
| **Bolt capacity** | **Cl 8.8 M7●11 mm** |
| Bolt capacity | Cl 12.9 M6●10 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **8 mm** |
| Mean air consumption | 96 l/min |
| **Weight** | **0.6 kg** |

| " | kg | | |
|---|---|---|---|
| 1/4 | 0,6 | 1 | 019210005 |

## 1921M2
compact reversible air ratchet

• **Knob speed regulator**

3/8"

| | |
|---|---|
| **Free speed** | **200 rpm** |
| Max. torque | 27 Nm |
| **Bolt capacity** | **Cl 8.8 M7●11 mm** |
| Bolt capacity | Cl 12.9 M6●10 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **8 mm** |
| Mean air consumption | 96 l/min |
| **Weight** | **0.6 kg** |

| " | kg | | |
|---|---|---|---|
| 3/8 | 0,6 | 1 | 019210015 |

## 1921N3
reversible air ratchet

• **Knob speed regulator**

1/2"

| | |
|---|---|
| **Free speed** | **150 rpm** |
| Max. torque | 68 Nm |
| **Bolt capacity** | **Cl 8.8 M10●16 mm** |
| Bolt capacity | Cl 12.9 M8●13 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 140 l/min |
| **Weight** | **1.2 kg** |

| " | kg | | |
|---|---|---|---|
| 1/2 | 1,2 | 1 | 019210025 |

## 1922P1
reversible air impact ratchet

• **"Double rocking dog" impulse device**

1/4"

| | |
|---|---|
| **Free speed** | **700 rpm** |
| Maximum torque | 68 Nm |
| **Bolt capacity** | **Cl 8.8 M10●16 mm** |
| Bolt capacity | Cl 12.9 M8●13 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 88 l/min |
| **Weight** | **0.6 kg** |

| " | kg | | |
|---|---|---|---|
| 1/4 | 0,6 | 1 | 019220006 |

## 1922P2
reversible air impact ratchet

• **"Double rocking dog" impulse device**

3/8"

| | |
|---|---|
| **Free speed** | **700 rpm** |
| Maximum torque | 68 Nm |
| **Bolt capacity** | **Cl 8.8 M10●16 mm** |
| Bolt capacity | Cl 12.9 M8●13 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 88 l/min |
| **Weight** | **0.6 kg** |

| " | kg | | |
|---|---|---|---|
| 3/8 | 0,6 | 1 | 019220010 |

## 1922P3
reversible air impact ratchet

• **"Double rocking dog" impulse device**

1/2"

| | |
|---|---|
| **Free speed** | **600 rpm** |
| Maximum torque | 136 Nm |
| **Bolt capacity** | **Cl 8.8 M12●18 mm** |
| Bolt capacity | Cl 12.9 M10●16 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 113 l/min |
| **Weight** | **1.5 kg** |

| " | kg | | |
|---|---|---|---|
| 1/2 | 1,5 | 1 | 019220013 |

## 1924F
butterfly compact reversible impact wrench

• **"Double rocking dog" impulse device**

3/8"

| | |
|---|---|
| **Free speed** | **12,000 rpm** |
| Maximum torque | 108 Nm |
| **Bolt capacity** | **Cl 8.8 M12●18 mm** |
| Bolt capacity | Cl 12.9 M10●16 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 59 l/min |
| **Weight** | **0.5 kg** |

| " | kg | | |
|---|---|---|---|
| 3/8 | 0,5 | 1 | 019240025 |

## 1924B

compact reversible impact wrench

• **"Pin Clutch" impulse device**

| | |
|---|---|
| **Free speed** | **10,000 rpm** |
| Max. torque | 353 Nm |
| **Bolt capacity** | **CI 8.8 M16●24 mm** |
| Bolt capacity | CI 12.9 M14●21 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **8 mm** |
| Mean air consumption | 80 l/min |
| **Weight** | **1,5 kg** |

| ■ " | kg | | |
|---|---|---|---|
| **3/8** | 1,5 | 1 | 019240021 |

## 1927B

reversible impact wrench

• **"Pin Clutch" impulse device**

| | |
|---|---|
| **Free speed** | **7,000 rpm** |
| Max. torque | 705 Nm |
| **Bolt capacity** | **CI 8.8 M22●34 mm** |
| Bolt capacity | CI 12.9 M18●27 mm |
| **Air inlet** | **1/4" GAS** |
| Operating pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 133 l/min |
| **Weight** | **2.1 kg** |

| ■ " | kg | | |
|---|---|---|---|
| **1/2** | 2,1 | 1 | 019270022 |

## 1927CD

reversible impact wrench, made from composite material

• **Double hammer impulse device**

| | |
|---|---|
| **Free speed** | **7,000 rpm** |
| Max. torque | 1.020 Nm |
| **Bolt capacity** | **CI 8.8 M22●34 mm** |
| Bolt capacity | CI 12.9 M18●27 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 130 l/min |
| **Weight** | **1,9 kg** |

| ■ " | kg | | |
|---|---|---|---|
| **1/2** | 2,3 | 1 | 019270007 |

## 1924CD

reversible impact wrench, made from composite material

• **Double hammer impulse device**

**NOT AVAILABLE IN THE USA**

| | |
|---|---|
| **Free speed** | **10,000 rpm** |
| Max. torque | 410 Nm |
| **Bolt capacity** | **CI 8.8 M16●24 mm** |
| Bolt capacity | CI 12.9 M14●21 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **8 mm** |
| Mean air consumption | 79 l/min |
| **Weight** | **1,3 kg** |

| ■ " | kg | | |
|---|---|---|---|
| **3/8** | 1,3 | 1 | 019240007 |

## 1927B/K5

reversible impact wrench, made from aluminium, supplied with 5 impact sockets, in case

**720** 15-17-19-21-22 mm

| | |
|---|---|
| **Free speed** | **7,000 rpm** |
| Max. torque | 705 Nm |
| **Bolt capacity** | **CI 8.8 M22●34 mm** |
| Bolt capacity | CI 12.9 M18●27 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 133 l/min |
| **Weight** | **2.1 kg** |

| ■ " | kg | | |
|---|---|---|---|
| **1/2** | 3,5 | 1 | 019270122 |

350x305x86 mm

## 1927CD/K3

assortment of one reversible impact wrench and three impact sockets

• **Double hammer impulse device**

**720LC**17-19-21 mm

| | |
|---|---|
| **Free speed** | **7,000 rpm** |
| Max. torque | 1,020 Nm |
| **Bolt capacity** | **CI 8.8 M22●34 mm** |
| Bolt capacity | CI 12.9 M18●27 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bars |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 130 l/min |
| **Weight** | **1.9 kg** |

| ■ " | kg | | |
|---|---|---|---|
| **1/2** | 4 | 1 | 019270107 |

350x305x86 mm

## 1927P

reversible impact wrench, made from composite material

• **Double hammer impulse device**

| | |
|---|---|
| **Free speed** | **7,500 rpm** |
| Max. torque | 1.750 Nm |
| **Bolt capacity** | **Cl 8.8 M24●36 mm** |
| Bolt capacity | Cl 12.9 M20●30 mm |
| **Air inlet** | **1/4" GAS** |
| Operating pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 290 l/min |
| **Weight** | **2 kg** |

| ■ " | kg | | |
|---|---|---|---|
| 1/2 | 2,0 | 1 | 019270008 |

## 1927XM

compact reversible impact wrench

• **Single hammer impulse device**

| | |
|---|---|
| **Free speed** | **10,000 rpm** |
| Max. torque | 770 Nm |
| **Bolt capacity** | **Cl 8.8 M22●34 mm** |
| Bolt capacity | Cl 12.9 M18●27 mm |
| **Air inlet** | **1/4" GAS** |
| Operating pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 122 l/min |
| **Weight** | **1.3 kg** |

| ■ " | kg | | |
|---|---|---|---|
| 1/2 | 1,3 | 1 | 019270030 |

## 1927AN

Angle reversible impact wrench

• **Single hammer impulse device**

| | |
|---|---|
| **Max. torque** | **244 Nm** |
| Bolt capacity | 244 Nm |
| **Bolt capacity** | **Cl 8.8 M14●21 mm** |
| Air inlet | Cl 12.9 M12●19 mm |
| **Operating pressure** | **1/4" GAS** |
| Internal hose size (Ø) | 6,2 bar |
| **Mean air consumption** | **10 mm** |
| Weight | 2.1 kg |

| ■ " | kg | | |
|---|---|---|---|
| 1/2 | 2,1 | 1 | 019270012 |

## 1927G

compact reversible impact wrench

• **Single hammer impulse device**

| | |
|---|---|
| **Free speed** | **8500 rpm** |
| Max. torque | 325 Nm |
| **Bolt capacity** | **Cl 8.8 M16●24 mm** |
| Bolt capacity | Cl 12.9 M14●21 mm |
| **Air inlet** | **1/4" GAS** |
| Operating pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 113 l/min |
| **Weight** | **1.2 kg** |

| ■ " | kg | | |
|---|---|---|---|
| 1/2 | 1,2 | 1 | 019270050 |

## 1927P/K3

reversible impact wrench, made from composite material, supplied with 3 impact sockets

○ **720LC** 17-19-21 mm

| | |
|---|---|
| **Free speed** | **7,500 rpm** |
| Max. torque | 1.750 Nm |
| **Bolt capacity** | **Cl 8.8 M24●36 mm** |
| Bolt capacity | Cl 12.9 M20●30 mm |
| **Air inlet** | **1/4" GAS** |
| Operating pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 290 l/min |
| **Weight** | **2.9 kg** |

| ■ " | kg | | |
|---|---|---|---|
| 1/2 | 4 | 1 | 019270118 |

350x305x86 mm

## 1927XM/K5

Assortment of one compact reversible impact wrench and five impact sockets

• **Single hammer impulse device**

○ **720** 17-19-21-22-24 mm

| | |
|---|---|
| **Free speed** | **10,000 rpm** |
| Max. torque | 770 Nm |
| **Bolt capacity** | **Cl 8.8 M22●34 mm** |
| Bolt capacity | Cl 12.9 M18●27 mm |
| **Air inlet** | **1/4" GAS** |
| Operating pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 122 l/min |
| **Weight** | **1.3 kg** |

| ■ " | kg | | |
|---|---|---|---|
| 1/2 | 2,8 | 1 | 019270129 |

307x206x86 mm

## 1927SP-AM

magnetic support for pneumatic impact wrench

• **Fitted with two high-powered magnets with protective rubber tops**
• **Can accommodate 1 1/2" impact wrench, 4 sockets and 1 torque wrench**
• **Capacity: 10 kg**

| g | | |
|---|---|---|
| 400 | 1 | 019270000 |

## 1928XM
compact reversible impact wrench

- **Double hammer impulse device**
- **Amazingly compact and powerful**
- **One-hand reverse button**
- **Three power adjustable screwing positions**
- **Exhaust through handle**

| | |
|---|---|
| **Free speed** | **4,800 rpm** |
| Max. torque | 1,600 Nm |
| **Bolt capacity** | **CI 8.8 M27●41 mm** |
| Bolt capacity | CI 12.9 M24●36 mm |
| **Air inlet** | **3/8" GAS** |
| Operating pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 175 l/min |
| **Weight** | **2.9 kg** |

| ■ " | kg | | |
|---|---|---|---|
| 3/4 | 2,9 | 1 | 019280030 |

## 1928DA
reversible impact wrench

- **Double hammer impulse device**

| | |
|---|---|
| **Free speed** | **5,000 rpm** |
| Max. torque | 1.695 Nm |
| **Bolt capacity** | **CI 8.8 M30●46 mm** |
| Bolt capacity | CI 12.9 M27●41 mm |
| **Air inlet** | **3/8" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 240 l/min |
| **Weight** | **4,3 kg** |

| ■ " | kg | | |
|---|---|---|---|
| 3/4 | 4,3 | 1 | 019280022 |

## 1928K4
assortment of one reversible impact wrench and four impact sockets, long series

- **"Pin Clutch" impulse device**

**728L** 27-30-32-36 mm

| | |
|---|---|
| **Free speed** | **4,000 rpm** |
| Max. torque | 1.493 Nm |
| **Bolt capacity** | **CI 8.8 M27●41 mm** |
| Bolt capacity | CI 12.9 M24●36 mm |
| **Air inlet** | **3/8" GAS BSP** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 260 l/min |
| **Impact wrench weight** | **5,2 kg** |

| ■ " | kg | | |
|---|---|---|---|
| 3/4 | 9,3 | 1 | 019280104 |

410x330x106 mm

## 1928CD
reversible impact wrench, made from composite material

- **Double hammer impulse device**

| | |
|---|---|
| **Free speed** | **4.500 rpm** |
| Max. torque | 1.800 Nm |
| **Bolt capacity** | **CI 8.8 M27●41 mm** |
| Bolt capacity | CI 12.9 M24●36 mm |
| **Air inlet** | **3/8" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 215 l/min |
| **Weight** | **3,5 kg** |

| ■ " | kg | | |
|---|---|---|---|
| 3/4 | 3,5 | 1 | 019280007 |

## 1928DAL
reversible impact wrench

- **Double hammer impulse device**

| | |
|---|---|
| **Free speed** | **5,000 rpm** |
| Max. torque | 1.695 Nm |
| **Bolt capacity** | **CI 8.8 M27●41 mm** |
| Bolt capacity | CI 12.9 M24●36 mm |
| **Air inlet** | **3/8" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 240 l/min |
| **Weight** | **4,8 kg** |

| ■ " | kg | | |
|---|---|---|---|
| 3/4 | 4,8 | 1 | 019280023 |

## 1930CD
reversible impact wrench, made from composite material

- **Double hammer impulse device**

| | |
|---|---|
| **Free speed** | **4,000 rpm** |
| Max. torque | 2.445 Nm |
| **Bolt capacity** | **CI 8.8 M36●55 mm** |
| Bolt capacity | CI 12.9 M30●46 mm |
| **Air inlet** | **1/2" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **13 mm** |
| Mean air consumption | 320 l/min |
| **Weight** | **7,1 kg** |

| ■ " | kg | | |
|---|---|---|---|
| 1 | 7,1 | 1 | 019300022 |

## 1930LH
reversible impact wrench

• **Double hammer impulse device**

1"

| | |
|---|---|
| **Free speed** | **6,000 rpm** |
| Max. torque | 2,441 Nm |
| **Bolt capacity** | **CI 8.8 M36●55 mm** |
| Bolt capacity | CI 12.9 M30●46 mm |
| **Air inlet** | **1/2" GAS** |
| Operating pressure | 6.2 bar |
| **Internal hose size (Ø)** | **13 mm** |
| Mean air consumption | 280 l/min |
| **Weight** | **7.1 kg** |

| " | kg | | |
|---|---|---|---|
| 1 | 7,1 | 1 | 019300030 |

## 1930LA
reversible impact wrench

• **Double hammer impulse device**

1"

| | |
|---|---|
| **Free speed** | **4,000 rpm** |
| Max. torque | 2.445 Nm |
| **Bolt capacity** | **CI 8.8 M36●55 mm** |
| Bolt capacity | CI 12.9 M30●46 mm |
| **Air inlet** | **1/2" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **13 mm** |
| Mean air consumption | 460 l/min |
| **Weight** | **10,6 kg** |

| " | kg | | |
|---|---|---|---|
| 1 | 10,6 | 1 | 019300037 |

## 1930HLA
reversible impact wrench

• **Double hammer impulse device**

1"

| | |
|---|---|
| **Free speed** | **3,000 rpm** |
| Max. torque | 3.661 Nm |
| **Bolt capacity** | **CI 8.8 M42●65 mm** |
| Bolt capacity | CI 12.9 M33●50 mm |
| **Air inlet** | **1/2" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **13 mm** |
| Mean air consumption | 460 l/min |
| **Weight** | **16,4 kg** |

| " | kg | | |
|---|---|---|---|
| 1 | 16,4 | 1 | 019300040 |

## 1930PA
reversible impact wrench

• **Double hammer impulse device**

1"

| | |
|---|---|
| **Free speed** | **3,500 rpm** |
| Max. torque | 2.445 Nm |
| **Bolt capacity** | **CI 8.8 M36●55 mm** |
| Bolt capacity | CI 12.9 M30●46 mm |
| **Air inlet** | **1/2" GAS** |
| Operating pressure | 6,2 bar |
| **Internal hose size (Ø)** | **13 mm** |
| Mean air consumption | 350 l/min |
| **Weight** | **9.6 kg** |

| " | kg | | |
|---|---|---|---|
| 1 | 9,6 | 1 | 019300032 |

## 1930A
reversible impact wrench

• **Double hammer impulse device**

1"

| | |
|---|---|
| **Free speed** | **4,000 rpm** |
| Max. torque | 2.445 Nm |
| **Bolt capacity** | **CI 8.8 M36●55 mm** |
| Bolt capacity | CI 12.9 M30●46 mm |
| **Air inlet** | **1/2" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **13 mm** |
| Mean air consumption | 460 l/min |
| **Weight** | **9.5 kg** |

| " | kg | | |
|---|---|---|---|
| 1 | 9,5 | 1 | 019300036 |

## 1930ZL
reversible impact wrench

• **Double hammer impulse device**

1 1/2"

| | |
|---|---|
| **Free speed** | **3,000 rpm** |
| Max. torque | 4.068 Nm |
| **Bolt capacity** | **CI 8.8 M42●65 mm** |
| Bolt capacity | CI 12.9 M36●55 mm |
| **Air inlet** | **1/2" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **13 mm** |
| Mean air consumption | 480 l/min |
| **Weight** | **15 kg** |

| " | kg | | |
|---|---|---|---|
| 1 1/2 | 15 | 1 | 019300070 |

## 1931CD6
reversible drill,
made from composite material

| | |
|---|---|
| **Free speed** | **2,600 rpm** |
| Chuck capacity | 1÷6 mm |
| **Power** | **0,23 kW** |
| Spindle thread | 3/8" - 24UNF |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **8 mm** |
| Mean air consumption | 130 l/min |
| **Weight** | **0,6 kg** |

kg 0,6 — 1 019310006

## 1931CD13
reversible drill,
made from composite material

| | |
|---|---|
| **Free speed** | **800 rpm** |
| Chuck capacity | 1,0÷13 mm |
| **Power** | **0,38 kW** |
| Spindle thread | 1/2" - 20UNC |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 170 l/min |
| **Weight** | **1,3 kg** |

kg 1,3 — 1 019310013

## 1932B10
reversible drill

| | |
|---|---|
| **Free speed** | **1,800 rpm** |
| Chuck capacity | 1÷10 mm |
| **Power** | **0,44 kW** |
| Spindle thread | 3/8" - 24UNF |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 160 l/min |
| **Weight** | **1,2 kg** |

kg 1,2 — 1 019320040

## 1931CD10
reversible drill,
made from composite material

| | |
|---|---|
| **Free speed** | **1,800 rpm** |
| Chuck capacity | 1÷10 mm |
| **Power** | **0,38 kW** |
| Spindle thread | 3/8" - 24UNF |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 170 l/min |
| **Weight** | **1 kg** |

kg 1,0 — 1 019310010

## 1931AN10
reversible angle drill

| | |
|---|---|
| **Free speed** | **1,400 rpm** |
| Chuck capacity | 1÷10 mm |
| **Power** | **0,38 kW** |
| Spindle thread | 3/8" - 24UNF |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 150 l/min |
| **Weight** | **1,1 kg** |

kg 1,1 — 1 019310030

## 1932RS13
reversible drill

| | |
|---|---|
| **Free speed** | **750 rpm** |
| Chuck capacity | 1,5÷13 mm |
| **Power** | **0,55 kW** |
| Spindle thread | 3/8" - 24UNF |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 160 l/min |
| **Weight** | **1,4 kg** |

kg 1,4 — 1 019320043

## 1932B13
reversible drill

| | |
|---|---|
| **Free speed** | **400 rpm** |
| Chuck capacity | 1,5÷13 mm |
| **Power** | **0,34 kW** |
| Spindle thread | 1/2" - 20UNC |
| **Air inlet** | **1/4" GAS** |
| Operating pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 180 l/min |
| **Weight** | **1,6 kg** |

kg 1,6 — 1 019320004

## 1933IH
high-power die grinder

• **Collect chuck, Ø 3 mm and 6 mm**

| | |
|---|---|
| **Free speed** | **20,000 rpm** |
| Chuck capacity | 3 - 6 mm |
| **Power** | **0.75 kW** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **6.2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **370 l/min** |
| Weight | 800 g |

g 800 — 1 019330006

## 1933ILH
high-power long spindle die grinder

• **Collect chuck, Ø 3 mm and 6 mm**

| | |
|---|---|
| **Free speed** | **20,000 rpm** |
| Chuck capacity | 3 - 6 mm |
| **Power** | **0.75 kW** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **6.2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **370 l/min** |
| Weight | 1.2 kg |

kg 1,2 — 1 019330011

## 1933AN90-H
high-power angle grinder

• **Collect chuck, Ø 3 mm and 6 mm**

| | |
|---|---|
| **Free speed** | **15,000 rpm** |
| Chuck capacity | 3 - 6 mm |
| **Power** | **0.75 kW** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **6.2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **370 l/min** |
| Weight | 1.1 kg |

kg 1,1 — 1 019330021

## 1933
die grinder

• **Collect chuck, Ø 3 mm and 6 mm**

| | |
|---|---|
| **Free speed** | **25,000 rpm** |
| Chuck capacity | 3 - 6 mm |
| **Power** | **0,20 kW** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **6,2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **230 l/min** |
| Weight | 380 g |

g 380 — 1 019330001

## 1933I
die grinder

• **Collect chuck, Ø 3 mm and 6 mm**

| | |
|---|---|
| **Free speed** | **20,000 rpm** |
| Chuck capacity | 3 - 6 mm |
| **Power** | **0,38 kW** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **6,2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **260 l/min** |
| Weight | 670 g |

g 670 — 1 019330005

## 1933L
long spindle die grinder

• **Collect chuck, Ø 3 mm and 6 mm**

| | |
|---|---|
| **Free speed** | **25,000 rpm** |
| Chuck capacity | 3 - 6 mm |
| **Power** | **0,20 kW** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **6,2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **270 l/min** |
| Weight | 670 g |

g 670 — 1 019330015

## 1933IL
long spindle die grinder

• **Collect chuck, Ø 3 mm and 6 mm**

| | |
|---|---|
| **Free speed** | **20,000 rpm** |
| Chuck capacity | 3 - 6 mm |
| **Power** | **0,38 kW** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **6,2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **113 l/min** |
| Weight | 1,4 kg |

kg 1,4 — 1 019330010

## 1933AN90
angle grinder

• **Collect chuck, Ø 3 mm and 6 mm**

| | |
|---|---|
| **Free speed** | **20,000 rpm** |
| Chuck capacity | 3 - 6 mm |
| **Power** | **0,20 kW** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **6,2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **230 l/min** |
| Weight | 510 g |

g 510 | 1 019330020

## 1934BV
low-speed tyre buffer

• **Collect chuck, Ø 3 mm and 6 mm**

| | |
|---|---|
| **Free speed** | **3,700 rpm** |
| Chuck capacity | 3 - 6 mm |
| **Power** | **0,37 kW** |
| Air inlet | 1/4" GAS |
| **Operating pressure** | **6,2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **113 l/min** |
| Weight | 0.84 kg |

g 840 | 1 019340000

## 1934MAV
micro die grinder

| | |
|---|---|
| **Free speed** | **56,000 rpm** |
| Chuck capacity | 3 mm |
| **Power** | **0,04 kW** |
| Air inlet | 1/4" GAS BSPT |
| **Operating pressure** | **6,2 bar** |
| Internal hose size (Ø) | 4,5 mm |
| **Mean air consumption** | **115 l/min** |
| Weight | 0.2 kg |

g 205 | 1 019340010

## 1934MAV70
high-speed micro die grinder

| | |
|---|---|
| **Free speed** | **70,000 rpm** |
| Chuck capacity | 3 mm |
| **Power** | **0,08 kW** |
| Air inlet | 1/4" GAS BSPT |
| **Operating pressure** | **6,2 bar** |
| Internal hose size (Ø) | 4,5 mm |
| **Mean air consumption** | **115 l/min** |
| Weight | 0.21 kg |

g 210 | 1 019340030

## 1935F
reversible air screwdriver

| | |
|---|---|
| **Free speed** | **800 rpm** |
| Torque range | 4-16 Nm |
| **Screw capacity** | **6-9 M** |
| Bit holder | ⬢ 1/4" |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 150 l/min |
| **Weight** | **1,3 kg** |

kg 1,3 | 1 019350045

## 1936/4A
angle grinder

| | |
|---|---|
| **Free speed** | **11,000 rpm** |
| Grinding disc size | 115 mm |
| **Power** | **0,66 kW** |
| Spindle thread | M14 |
| **Air inlet** | **1/4" GAS** |
| Operating pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 390 l/min |
| **Weight** | **1.77 kg** |

kg 1,8 | 1 019360024

## 1936/5A
angle grinder

| | |
|---|---|
| **Free speed** | **10,000 rpm** |
| Grinding disc size | 125 mm |
| **Power** | **0,66 kW** |
| Spindle thread | M14 |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Ø internal hose size** | **10 mm** |
| Mean air consumption | 390 l/min |
| **Weight** | **1,9 kg** |

| kg | | |
|---|---|---|
| 1,9 | 1 | 019360025 |

## 1936/7A
angle grinder

| | |
|---|---|
| **Free speed** | **7600 giri/min** |
| Grinding disc size | 180 mm |
| **Power** | **1,3 kW** |
| Spindle thread | M14 |
| **Air inlet** | **3/8" GAS** |
| Working pressure | 6,2 bar |
| **Ø internal hose size** | **13 mm** |
| Mean air consumption | 906 l/min |
| **Weight** | **2,7 kg** |

| kg | | |
|---|---|---|
| 2,7 | 1 | 019360027 |

## 1937 2,5
roto-orbital palm sander
lubrication free, made from composite material
- **Orbit diameter: 2.5 mm**

| | |
|---|---|
| **Free speed** | **12,000 rpm** |
| Power | 0.18 kW |
| **Pad size** | **150 mm** |
| Orbit diameter | 2.5 mm |
| **Spindle thread** | **5/16"-24** |
| Air inlet | 1/4" GAS |
| **Operating pressure** | **6.2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **170 l/min** |
| Weight | 0.86 kg |

| kg | | |
|---|---|---|
| 0,86 | 1 | 019370000 |

## 1937
roto-orbital palm sander, lubrication free, made from composite material
- **Orbit diameter: 5 mm**

| | |
|---|---|
| **Free speed** | **12,000 rpm** |
| Power | 0,18 kW |
| **Pad size** | **150 mm** |
| Orbit diameter | 5 mm |
| **Spindle thread** | **5/16"-24** |
| Air inlet | 1/4" GAS |
| **Operating pressure** | **6,2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **170 l/min** |
| Weight | 0,86 kg |

| kg | | |
|---|---|---|
| 0,86 | 1 | 019370001 |

## 1937R/P
6-hole pad, Ø 150 mm,
for item 1937

| | | |
|---|---|---|
| 1937R/P | 1 | 019370002 |

## 1937KC
mini orbital sander
- **Orbit diameter 4 mm**
- **2 sanding pads (Ø 50 mm and Ø 75 mm)**
- **10 abrasive paper discs (Ø 50 mm), grain 400, 600, 800**
- **10 abrasive paper discs (Ø 75 mm), grain 400, 600, 800**

| | |
|---|---|
| **Free speed** | **15000** |
| Power | 0.25 |
| **Pad size** | **50 - 75** |
| Spindle thread | M6 x 1.0 |
| **Air inlet** | **1/4" GAS BSPT** |
| Operating pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10** |
| Mean air consumption | 79 |
| **Polisher weight** | **0.64** |
| Kit weight | 1.4 |

| kg | | |
|---|---|---|
| 1,4 | 1 | 019370171 |

## 1937C...
abrasive paper discs for item 1937KC

| Ø mm | P | | |
|---|---|---|---|
| **50** | 400 | 1 | 019370175 |
| **50** | 600 | 1 | 019370176 |
| **50** | 800 | 1 | 019370177 |
| **75** | 400 | 1 | 019370178 |
| **75** | 600 | 1 | 019370179 |
| **75** | 800 | 1 | 019370180 |

## 1937KL
mini polisher
- **Sanding pad (Ø 75 mm)**
- **2 polishing sponges (Ø 90 mm) - 1937/KL-DSB, 1937/KL-DSG**
- **Lambswool pad (Ø 90 mm) - 1937/KL-DLA**

| | |
|---|---|
| **Free speed** | **3,200 rpm** |
| Power | 0.25 kW |
| **Pad size** | **75 mm** |
| Spindle thread | M6 |
| **Air inlet** | **1/4" GAS BSPT** |
| Operating pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 91 l/min |
| **Polisher weight** | **0.75 kg** |
| Kit weight | 1.8 kg |

| kg | | |
|---|---|---|
| 1,8 | 1 | 019370161 |

## 1937KL-D
accessories for item 1937KL

| | Ø mm | | |
|---|---|---|---|
| **1937KL-DLA** | 90 | 1 | 019370164 |
| **1937KL-DSB** | 90 | 1 | 019370165 |
| **1937KL-DSG** | 90 | 1 | 019370166 |

## 1937K...
Pads for items 1937KC and 1937KL

| | Ø mm | 1937KC | 1937KL | | |
|---|---|---|---|---|---|
| **1937KC-RP** | 50 | ● | | 1 | 019370173 |
| **1937KL-RP** | 75 | ● | ● | 1 | 019370163 |

## 1937M
multi-use sander
with 16 accessories

| | |
|---|---|
| **Free speed** | **3,500 rpm** |
| Power | 0,34 kW |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 113 l/min |
| **Sander weight** | **1,5 kg** |
| Kit weight | 4,5 kg |

| kg | | |
|---|---|---|
| **4,5** | 1 | 019370011 |

458x495x116 mm

## 1937M-01÷11
accessories for item 1937M

| | L mm | 1937M- | | |
|---|---|---|---|---|
| **1937M-01** | 30 | | 1 | 019370101 |
| **1937M-02** | 30 | | 1 | 019370102 |
| **1937M-03** | 11 | | 1 | 019370103 |
| **1937M-04** | 23 | | 1 | 019370104 |
| **1937M-05** | 11 | | 1 | 019370105 |
| **1937M-06** | 23 | | 1 | 019370106 |
| * **1937M-07** | 16 | | 1 | 019370107 |
| **1937M-08** | 13 | 07 | 1 | 019370108 |
| **1937M-09** | 26 | 07 | 1 | 019370109 |
| **1937M-10** | 11 | 03, 05 | 1 | 019370110 |
| **1937M-11** | 23 | 01, 02, 04, 06 | 1 | 019370111 |

## 1937N10
pneumatic belt sander

| | |
|---|---|
| **Free speed** | **20,000 rpm** |
| Power | 0,37 kW |
| **Belt size** | **10x330 mm** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **6,2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **374 l/min** |
| Weight | 0,9 kg |

| kg | | |
|---|---|---|
| **0,9** | 1 | 019370041 |

## 1937N10-GR
sand belts for item 1937N10

| | P | | |
|---|---|---|---|
| **1937N10-GR60** | 60 | 1 | 019370146 |
| **1937N10-GR80** | 80 | 1 | 019370148 |
| **1937N10-GR100** | 100 | 1 | 019370150 |
| **1937N10-GR120** | 120 | 1 | 019370152 |

## 1937N20
pneumatic belt sander

| | |
|---|---|
| **Free speed** | **16,000 rpm** |
| Power | 0,45 kW |
| **Belt size** | **20x520 mm** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **6,2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Mean air consumption** | **400 l/min** |
| Weight | 1,6 kg |

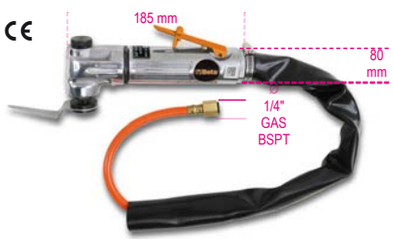
| kg | | |
|---|---|---|
| **1,6** | 1 | 019370051 |

## 1937N20-GR
sand belts for item 1937N20

| | P | | |
|---|---|---|---|
| **1937N20-GR60** | 60 | 1 | 019370156 |
| **1937N20-GR80** | 80 | 1 | 019370158 |
| **1937N20-GR100** | 100 | 1 | 019370160 |
| **1937N20-GR120** | 120 | 1 | 019370162 |

## 1938
windscreen remover

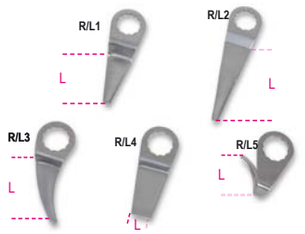
- **Supplied with 1 57 mm straight blade**




| | |
|---|---|
| **Oscillations/minute** | **20,000** |
| Air inlet | 1/4" GAS |
| **Operating pressure** | **6,2 bar** |
| Internal hose size (Ø) | 6,5 mm |
| **Mean air consumption** | **200 l/min** |
| Weight | 1,0 kg |

| kg | | |
|---|---|---|
| **1,0** | 1 | 019380021 |

## 1938R/L
blades for windscreen removers




| | L mm | | |
|---|---|---|---|
| **1938R/L1** | 57 | 1 | 019380041 |
| **1938R/L2** | 90 | 1 | 019380042 |
| **1938R/L3** | 30 | 1 | 019380043 |
| **1938R/L4** | 8 | 1 | 019380044 |
| **1938R/L5** | 36 | 1 | 019380045 |

## 1938R/S5
set of 5 blades for item 1938

| | | |
|---|---|---|
| **1938R/S5** | 1 | 019380055 |

## 1940
air hammer

- **Supplied with a nonreturn spring and a bayonet retainer for hexagon chisels**

| | |
|---|---|
| **Strokes per minutes** | **3,500** |
| Chisel inlet | ⬡ 11 mm |
| **Piston size** | **19 mm** |
| Piston stroke | 67 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **8 mm** |
| Mean air consumption | 240 l/min |
| **Weight** | **1.9 kg** |

| kg | | |
|---|---|---|
| 1,9 | 1 | 019400001 |

## 1940/C6
air hammer with 5 chisels and accessories

- **For cutting sheet metal, bolts and bodies, removing welding slags, rivets, plaster and tiles**
- **Assortment in a convenient ABS tool case, comprised of:**
  - **1 air hammer item 1940**
  - **1 flat chisel item 1940SN**
  - **1 demolition chisel item 1940ST**
  - **1 round-tipped chisel item 1940SD**
  - **1 bevel chisel item 1940SPS**
  - **1 sheet metal cutting chisel 1940SDT**
  - **1 nonreturn spring item 1940MT**
  - **1 bayonet retainer for hexagon chisels**

| | |
|---|---|
| **Strokes per minute** | **3.500** |
| Chisel inlet | ⬡ 11 mm |
| **Piston size** | **19 mm** |
| Piston stroke | 67 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **8 mm** |
| Mean air consumption | 240 l/min |
| **Weight** | **3.3 kg** |

| kg | | |
|---|---|---|
| 3,3 | 1 | 019400000 |

320x240x90 mm

## 1940MT
spare retainer spring for item 1940

| | | |
|---|---|---|
| **1940MT** | 5 | 019400110 |

## 1940S...
chisels for air hammers item 1940

| | | |
|---|---|---|
| **1940SN** | 5 | 019400020 |
| **1940ST** | 5 | 019400021 |
| **1940SD** | 5 | 019400022 |
| **1940SPS** | 5 | 019400023 |
| **1940SDT** | 5 | 019400024 |

## 1940/S5
set of 5 chisels for air hammers item 1940

| | | |
|---|---|---|
| **1940/S5** | 1 | 019400030 |

## 1940E10
air hammer

- **Compatible with chisels with 10-mm hexagon drive**
- **Supplied with a nonreturn spring and a bayonet retainer**

| | |
|---|---|
| **Strokes per minute** | **2,900** |
| Inlet size | ⬡ 10 mm |
| **Piston size** | **19 mm** |
| Piston stroke | 67 mm |
| **Chisel inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 76 l/min |
| **Weight** | **1.7 kg** |

| kg | | |
|---|---|---|
| 1,7 | 1 | 019400010 |

## 1940E10/MT
spare retainer spring for item 1940E10

| | | |
|---|---|---|
| **1940E10/MT** | 5 | 019400112 |

## 1940E10/S...
chisels for air hammers 1940E10

| | | |
|---|---|---|
| **1940E10/SN** | 5 | 019400040 |
| **1940E10/ST** | 5 | 019400041 |
| **1940E10/SD** | 5 | 019400042 |
| **1940E10/SPS** | 5 | 019400043 |
| **1940E10/SDT** | 5 | 019400044 |

## 1940E10/S5

set of 5 chisels
for air hammers 1940E10

| | | |
|---|---|---|
| 1940E10/S5 | 1 | 019400050 |

## 1942A

air saw

| | |
|---|---|
| **Strokes per minute** | **10.000** |
| Stroke length | 10 mm |
| **Air inlet** | **1/4" GAS BSP** |
| Operating pressure | 6,2 bar |
| **Internal hose size (Ø)** | **8 mm** |
| Mean air consumption | 75 l/min |
| **Weight** | **550 g** |

| g | | |
|---|---|---|
| 550 | 1 | 019420000 |

## 1942LR

Bimetal blades
for air saw 1942A

| | | |
|---|---|---|
| 1942LR | 5 | 019420032 |

## 1944A

axial needle scaler

| | |
|---|---|
| **Strokes per minute** | **3.800** |
| Stroke length | 33 mm |
| **N°. of needles** | **19** |
| Needle size (Ø) | 3 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 85 l/min |
| **Weight** | **2.8 kg** |

| kg | | |
|---|---|---|
| 2,8 | 1 | 019440011 |

## 1944N

needle scaler

| | |
|---|---|
| **Strokes per minute** | **3800** |
| Stroke length | 33 mm |
| **N°. of needles** | **19** |
| Needle size (Ø) | 3 mm |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Internal hose size (Ø)** | **8 mm** |
| Mean air consumption | 85 l/min |
| **Weight** | **2.7 kg** |

| kg | | |
|---|---|---|
| 2,7 | 1 | 019440002 |

## 1944AR

set of needles
for needle scalers 1944N and 1944A

| | Ø mm | n. | | |
|---|---|---|---|---|
| 1944AR 2 | 2 | 29 | 1 | 019440015 |
| 1944AR 3 | 3 | 19 | 1 | 019440005 |

## 1944PA

needle plates for items 1944N and 1944A

| | Ø mm | N. | | |
|---|---|---|---|---|
| 1944PA 2 | 2 | 29 | 1 | 019440016 |
| 1944PA 3 | 3 | 19 | 1 | 019440006 |

## 1945S

stapler

- **Uses staples type 80, section 0.95 x 0.65 mm (21-Gauge), length: 4 - 16 mm; width: 12.8 mm**

| | |
|---|---|
| **Magazine capacity** | **157 pcs** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **4,2 -7 bar** |
| Internal hose size (Ø) | 8 mm |
| **Air consumption (7 bar)** | **0.34 l/cycle** |
| Weight | 0.87 kg |

| kg | | |
|---|---|---|
| 0,9 | 1 | 019450000 |

## 1945S/G...

staples type 80, section 0.95x0.65 mm (21-Gauge), width 12.8 mm, for item 1945S

| | L mm | | |
|---|---|---|---|
| • 1945S/G4 | 4 | 1 | 019450004 |
| 1945S/G6 | 6 | 1 | 019450006 |
| 1945S/G8 | 8 | 1 | 019450008 |
| 1945S/G10 | 10 | 1 | 019450010 |
| 1945S/G12 | 12 | 1 | 019450012 |
| 1945S/G14 | 14 | 1 | 019450014 |
| 1945S/G16 | 16 | 1 | 019450016 |

## 1945C

stapler, nailer, combo tool

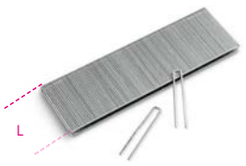
- **Uses staples type 90, section 1.25 x 1.0 mm (18-Gauge), length: 16 - 40 mm; width: 5.8 mm**
- **Uses round-headed nails type B12, section 1.25 x 1.0 mm (18-Gauge), 1.9-mm head**

| | |
|---|---|
| **Magazine capacity** | **100 pcs** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **5 - 8 bar** |
| Internal hose size (Ø) | 8 mm |
| **Air consumption (7 bar)** | **1.12 l/cycle** |
| Weight | 1.16 kg |

| kg | | |
|---|---|---|
| 1,16 | 1 | 019450200 |

## 1945C/G...

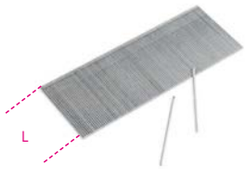
staples type 90, section 1.25x1.0 mm (18-Gauge), width 5.8 mm, for item 1945C




| | L mm | | |
|---|---|---|---|
| 1945C/G16 | 16 | 1 | 019450216 |
| 1945C/G19 | 19 | 1 | 019450219 |
| 1945C/G22 | 22 | 1 | 019450222 |
| 1945C/G25 | 25 | 1 | 019450225 |
| 1945C/G28 | 28 | 1 | 019450228 |
| 1945C/G32 | 32 | 1 | 019450232 |
| 1945C/G35 | 35 | 1 | 019450235 |
| 1945C/G38 | 38 | 1 | 019450238 |
| 1945C/G40 | 40 | 1 | 019450240 |

## 1945C/GP...

nails type B12, section 1.25x1.0 mm (18-Gauge), 1.9 mm-head, for item 1945C




| | L mm | | |
|---|---|---|---|
| **1945C/GP15** | 15 | 1 | 019450255 |
| **1945C/GP16** | 16 | 1 | 019450256 |
| **1945C/GP20** | 20 | 1 | 019450260 |
| **1945C/GP25** | 25 | 1 | 019450265 |
| **1945C/GP30** | 30 | 1 | 019450270 |
| **1945C/GP32** | 32 | 1 | 019450272 |
| **1945C/GP35** | 35 | 1 | 019450275 |
| **1945C/GP38** | 38 | 1 | 019450278 |
| **1945C/GP40** | 40 | 1 | 019450280 |
| **1945C/GP45** | 45 | 1 | 019450285 |
| **1945C/GP50** | 50 | 1 | 019450290 |

## 1945P

headless pinner

- **Uses pins type B6, Ø 0.64 mm (23-Gauge), length: 12 - 35 mm**

| | |
|---|---|
| **Magazine capacity** | **145 pcs** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **4 - 7 bar** |
| Internal hose size (Ø) | 8 mm |
| **Air consumption (7 bar)** | **0.27 l/cycle** |
| Weight | 0.87 kg |

| kg | | |
|---|---|---|
| **0,87** | 1 | 019450100 |

## 1945P/S...

pins type B6, Ø 0.64 mm (23-Gauge), for item 1945P

| | L mm | | |
|---|---|---|---|
| **1945P/S12** | 12 | 1 | 019450112 |
| **1945P/S15** | 15 | 1 | 019450115 |
| **1945P/S18** | 18 | 1 | 019450118 |
| **1945P/S20** | 20 | 1 | 019450120 |
| **1945P/S21** | 21 | 1 | 019450121 |
| **1945P/S22** | 22 | 1 | 019450122 |
| **1945P/S25** | 25 | 1 | 019450125 |
| **1945P/S30** | 30 | 1 | 019450130 |
| **1945P/S35** | 35 | 1 | 019450135 |

## 1946T

air riveter

- **supplied with interchangeable nozzles for steel, stainless steel, aluminium and copper rivets, 2.4 -3.2 - 4.0 - 4.8 mm long**

| | |
|---|---|
| **Traction power** | **9,000 N** |
| Stroke length | 16 mm |
| **Maximum rivet capacity** | **Stainless steel Ø 4.8 mm** |
| Air inlet | 1/4" GAS |
| **Working pressure** | **6,2 bar** |
| Internal hose size (Ø) | 8 mm |
| **Air consumption** | **2.0 l/cycle** |
| Weight | 1.7 kg |

| kg | | |
|---|---|---|
| **1,7** | 1 | 019460021 |

## 1946C4,8

riveter

- **Automatic suction**
- **Supplied assembled for use with 2.4 - 3.2 - 4.0 - 4.8 mm long steel, stainless steel, aluminium and copper rivets**

| | |
|---|---|
| **Traction power** | **8,900 N** |
| Stroke length | 15 mm |
| **Maximum rivet capacity** | **Stainless steel Ø 4.8 mm** |
| Air inlet | 1/4" GAS |
| **Operating pressure** | **6,2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Air consumption** | **2.6 l/cycle** |
| Weight | 1.5 kg |

| kg | | |
|---|---|---|
| **1,5** | 1 | 019460006 |

## 1946C7,8

riveter

- **Automatic suction**
- **Supplied assembled for use with 4.8 - 5.6 - 6.4 - 7.8 mm long steel, stainless steel, aluminium and copper rivets**

| | |
|---|---|
| **Traction power** | **16,900 N** |
| Stroke length | 22.5 mm |
| **Maximum rivet capacity** | **Stainless steel Ø 7.8 mm** |
| Air inlet | 1/4" GAS |
| **Operating pressure** | **6,2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Air consumption** | **4.9 l/cycle** |
| Weight | 1.8 kg |

| kg | | |
|---|---|---|
| **1,8** | 1 | 019460008 |

## 1946C/T...

heads for structural rivets

| | Ø mm | | |
|---|---|---|---|
| **1946C/T4,8** | 4,8 | 1 | 019460016 |
| **1946C/T6,4** | 6,4 | 1 | 019460018 |

## 1946KF

air riveter for threaded inserts

- **Supplied assembled for threaded rivets made of steel, stainless steel, aluminium and copper, M4, M5, M6, M8**

| | |
|---|---|
| **Traction power** | **14,235 N** |
| Stroke length | 7 mm |
| **Maximum rivet capacity** | **Stainless steel Ø, M8** |
| Air inlet | 1/4" GAS |
| **Operating pressure** | **6,2 bar** |
| Internal hose size (Ø) | 10 mm |
| **Air consumption** | **2.1 l/cycle** |
| Air riveter weight | 2.1 kg |
| **Kit weight** | **3.4 kg** |

| kg | | |
|---|---|---|
| **3,4** | 1 | 019460012 |

## 1946KF/M...
spare pins for item 1946KF

| | | |
|---|---|---|
| **1946KF/M4** | 1 | 019460124 |
| **1946KF/M5** | 1 | 019460125 |
| **1946KF/M6** | 1 | 019460126 |
| **1946KF/M8** | 1 | 019460128 |

## 1947
bonding gun

- **Pneumatic gun for medium-density silicone, adhesives and bonds**
- **Supports standard cartridges (210 x 50 mm), hard and soft**

CE

| | |
|---|---|
| **Tube size** | **210x50 mm** |
| Cartridge capacity | 350 ml |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 4.8 bar |
| **Internal hose size (Ø)** | **10 mm** |
| Mean air consumption | 120 l/min |
| **Weight** | **1,1 kg** |

| kg | | |
|---|---|---|
| 1,1 | 1 | 019470001 |

## 1947H
bonding gun

- **Pneumatic gun for extruding silicone and bonds in standard plastic or aluminium**
- **Supports standard cartridges (215/218 x 50/51 mm), hard and soft**
- **Built-in pressure reducing valve**

CE

| | |
|---|---|
| **Tube size** | **210x50 mm** |
| Cartridge capacity | 300/310 ml |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 4 ÷ 8 bar |
| **Internal hose size (Ø)** | **2.5 mm** |
| Mean air consumption | 120 l/min |
| **Weight** | **750 g** |

| g | | |
|---|---|---|
| 750 | 1 | 019470011 |

## 1947G
grease gun

Die-cast aluminium head
Ergonomic grip for ease of access to tough greasing points
Corrosion-resistant brass valve
Takes 400 g cartridges or bulk grease up to 500 cc
Tube size: 54 (interior) x 260 mm
Air inlet: 1/4" GAS
Operating pressure: 4÷10 bar
Weight:1.9 kg

Tube size: 54 (interior) x 260 mm
Air inlet: 1/4" GAS
Operating pressure: 4÷10 bar
Weight: 1.9 kg

| | | |
|---|---|---|
| **1947G** | 1 | 019470051 |

## 1947G2
2-in-1 grease gun

**For continuous or non-continuous grease supply**
**Die-cast aluminium head**
**Ergonomic handle**
**Takes 400 cc cartridges or bulk grease up to 500 cc**

| | |
|---|---|
| **Hose size** | **54 (interior) x 276 mm** |
| Air inlet | 1/4" GAS BSP |
| **Operating pressure** | **3÷10 bar** |
| Weight | 2,2 kg |

| | | |
|---|---|---|
| **1947G2** | 1 | 019470060 |

## 1947M
gun for single-component sealants

- **Can be used with 310 ml plastic cartridges**
- **Supplied with extrusion nozzle kit**

| | |
|---|---|
| **Tube dimensions** | **210x50 mm** |
| Cartridge capacity | 310 ml |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 3 ÷ 5 bar |
| **Nozzle Ø** | **1.6 - 2.5 mm** |
| Mean air consumption | 250 l/min |
| **Weight** | **1.2 kg** |

| kg | | |
|---|---|---|
| 1,2 | 1 | 019470021 |

## 1947M -...
spare nozzles for item 1947M

| | | |
|---|---|---|
| **1947M-ST** | 10 | 019470025 |
| **1947M-T** | 10 | 019470026 |
| **1947M-P** | 10 | 019470027 |

## 1948
engraving pen

- **Allows such materials as steel, stainless steel, aluminium, glass, stone and ceramic to be marked**

CE

| | |
|---|---|
| **Strokes per minute** | **3,500 ÷ 3,800** |
| Maximum hardness | 60 HRC |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6.2 bar |
| **Mean air consumption** | **50 l/min** |
| Weight | 150 g |

| g | | |
|---|---|---|
| 150 | 1 | 019480001 |

## 1948PR

spare tungsten carbide bit for item 1948

- **Maximum hardness: 60 HRC**

| | | |
|---|---|---|
| **1948PR** | 1 | 019480005 |

## 1949U5

progressive blow gun with 5 nozzles

- **Hard-wearing, shockproof composite material body**
- **3 steel nozzles, 100/160/320 mm, scratchproof, protective rubber tips**
- **1 "Turbo" nozzle made of fibreglass-reinforced nylon with safety tip**
- **1 revolving nozzle, 100 mm, made of fibreglass-reinforced nylon**
- **With quick fixing system**

| | |
|---|---|
| **Threaded brass insert** | **1/4" GAS** |
| Working pressure | 10 bar |
| **Maximum working pressure** | **15 bar** |
| Mean air consumption | 280 l/min |
| **Working temperature** | **-10°C ÷ 80°C** |
| Weight | 93 g |

| g | | |
|---|---|---|
| **93** | 1 | 019490030 |

## 1949U5/A

steel nozzle, 100 mm, with scratchproof, protective rubber tip, for item 1949U5 - 1949P

| | | |
|---|---|---|
| **1949U5/A** | 1 | 019490131 |

## 1949U5/B

steel nozzle, 160 mm, with scratchproof, protective rubber tip, for item 1949U5 - 1949P

| | | |
|---|---|---|
| **1949U5/B** | 1 | 019490132 |

## 1949U5/C

steel nozzle, 320 mm, with scratchproof, protective rubber tip, for item 1949U5 - 1949P

| | | |
|---|---|---|
| **1949U5/C** | 1 | 019490133 |

## 1949U5/D

revolving nozzle, 100 mm, made of fibreglass reinforced nylon, for item 1949U5 - 1949P

| | | |
|---|---|---|
| **1949U5/D** | 1 | 019490134 |

## 1949U5/E

"Turbo" nozzle made of fibreglass-reinforced nylon, with safety tip

| | | |
|---|---|---|
| **1949U5/E** | 1 | 019490135 |

## 1949U5/F

flat, fan-shaped nozzle, made of fibreglass-reinforced nylon, for items 1949U5 and 1949P

| | | |
|---|---|---|
| **1949U5/F** | 1 | 019490136 |

## 1949U5/G

OSHA nozzle, made of fibreglass-reinforced nylon, for items 1949U5 and 1949P

| | | |
|---|---|---|
| **1949U5/G** | 1 | 019490137 |

## 1949BC

progressive blow gun with rubber nozzle

- **Hard-wearing, shockproof composite material body**
- **Replaceable scratchproof rubber nozzle**

| | |
|---|---|
| **Aluminium threaded insert** | **1/4" GAS** |
| Operating pressure | 6-8 bar |
| **Maximum operating pressure** | **15 bar** |
| Mean air consumption | 87 l/min |
| **Operating temperature** | **-20°C ÷ 70°C** |
| Weight | 120 g |

| g | | |
|---|---|---|
| **120** | 1 | 019490022 |

## 1949BC/RU

5 rubber nozzles for item 1949BC

| | | |
|---|---|---|
| **1949BC/RU** | 1 | 019490122 |

## 1949P

progressive mini blow gun

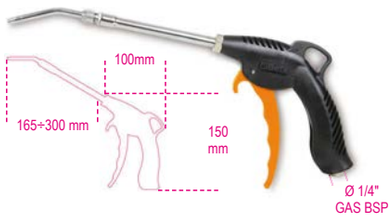
- **Hard-wearing, shockproof composite material body**
- **Quick nozzle fixing system**
- **Airflow can be adjusted through ring nut rotation**

| | |
|---|---|
| **Brass threaded insert** | **1/4" GAS** |
| Working pressure | 6÷8 bar |
| **Maximum operating pressure** | **15 bar** |
| Mean air consumption | 280 l/min |
| **Operating temperature** | **-10 °C ÷ 85 °C** |
| Weight | 70 g |

| g | | |
|---|---|---|
| **70** | 1 | 019490031 |

## 1949T
telescopic progressive blow gun

- **Hard-wearing, shockproof composite material body**
- **Telescopic steel swivel tube: 165 mm ÷ 300 mm**




| | |
|---|---|
| **Aluminium threaded insert** | **1/4" GAS** |
| Operating pressure | 6÷8 bar |
| **Maximum operating pressure** | **15 bar** |
| Mean air consumption | 144 l/min |
| **Operating temperature** | **-20°C ÷ 70°C** |
| Weight | 190 g |

| g | | |
|---|---|---|
| **190** | 1 | 019490040 |

## 1949F
progressive blow gun

- **Made from hard-wearing, shockproof, scratchproof, thermally insulated composite plastic material**
- **The special valve and the lever allow the circuit to be progressively opened, thus optimizing air flow**

| | |
|---|---|
| **Brass threaded insert** | **1/4" GAS** |
| Operating pressure | 6-8 bar |
| **Maximum operating pressure** | **10 bar** |
| Operating temperature | -15°C ÷ 70°C |
| **Weight** | **130 g** |

| g | | |
|---|---|---|
| **130** | 5 | 019490027 |

## 1949G
progressive blow gun
with air regulator

- **Made from hard-wearing, shockproof, scratchproof, thermally insulated composite plastic material**
- **The special valve and the lever allow the circuit to be progressively opened, thus optimizing air flow**

| | |
|---|---|
| **Brass threaded insert** | **1/4" GAS** |
| Operating pressure | 6-8 bar |
| **Maximum operating pressure** | **10 bar** |
| Operating temperature | - 15 °C ÷ 70 °C |
| **Weight** | **140 g** |

| g | | |
|---|---|---|
| **140** | 5 | 019490035 |

## 1949GPA
tyre inflator

- **shockproof rubber coated body**
- **metal operating lever**
- **operating pressure: 0,5÷12 bar, 7÷174 psi**
- **pressure release feature**
- **pressure measurement feature**
- **pipe length: 58 cm**
- **360° hose rotation**
- **1/4" air inlet**

| | bar | psi | | |
|---|---|---|---|---|
| **1949GPA** | 0,5÷12 | 7÷174 | 1 | 019490018 |

## 1949DGT/2
digital tyre inflator

- shockproof rubber coated body
- metal operating lever
- operating pressure: 0.5÷12 bar, 7÷174 psi
- 4 units of measurement, bar/psi/kpa/kgf
- backlit LCD display
- resolution: 0.05 bar
- self-power off after 1.5 minutes
- hose length: 58 cm
- 360° hose rotation
- power supply: 2 AAA batteries
- 1/4" air inlet

| | bar | psi | | |
|---|---|---|---|---|
| **1949DGT/2** | 0,5÷12 | 7÷174 | 1 | 019490021 |

## 1949GPN
tyre inflator,
ABS housing

- **CE certified pressure gauge with scale 0.7÷12 bars (graduation: 1/10 bars)**
- **Two servo-controlled buttons allow accurate, quick tyre inflating (+) and deflating (-)**
- **Supplied with a calibration certificate**
- **Fitted with a shockproof, protective shell and an eyelet**
- **Fitted with a 1/4" GAS threaded coupler**
- **Swivel air inlet for rubber hose, Ø 7 mm**

| | bar | g | | |
|---|---|---|---|---|
| **1949GPN** | 0,7÷12 | 810 | 1 | 019490011 |

## 1949M
tyre pressure tester

| | bar | psi | g | | |
|---|---|---|---|---|---|
| **1949M** | 0÷4 | 5÷60 | 280 | 1 | 019490400 |

## 1949R

blow gun
for cleaning radiators

**the 5 holes that are perpendicular to the handle allow dirt to be removed from radiators**

| L mm | ± mm | | |
|---|---|---|---|
| 600 | 6 | 1 | 019490050 |

## 1951

cleaning gun

- **For cleaning car upholstery, carpeting, seats and boots**

| | |
|---|---|
| **Free speed** | |
| Tank capacity | 1 L |
| **Air inlet** | **1/4" GAS** |
| Working pressure | 6,2 bar |
| **Internal hose size (Ø)** | **8 mm** |
| Mean air consumption | 110 l/min |
| **Weight** | **650 g** |

| g | | |
|---|---|---|
| 650 | 1 | 019510051 |

## 1951A

suction cleaning gun

- **For cleaning car upholstery, carpeting, seats and boots**
- **For use with suitable detergents**
- **1L tank**
- **Fitted with a tap for dispensing liquid from tank**
- **Complete with corrugated tube, 1.8 m long**

| | |
|---|---|
| **Tank capacity** | **1 l** |
| Air inlet | 1/4" GAS |
| **Operating pressure** | **6.2 bar** |
| Internal hose size (Ø) | 8 mm |
| **Mean air consumption** | **120 l/min** |
| Weight | 800 g |

| g | | |
|---|---|---|
| 800 | 1 | 019510101 |

## 1952

professional paint spray gun

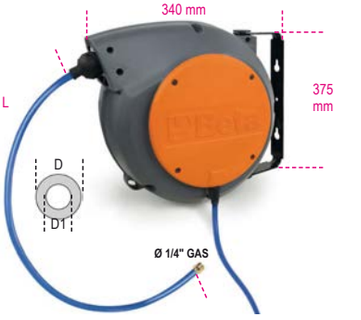
- **Die-cast aluminium body plated with black chemical nickel**
- **Nylon cup with drip-catching device, 3/8M BSP thread**
- **Body thread: 1/4" BSP cylindrical gas thread**
- **Pressure and airflow regulator**
- **Jet regulator from round to fan spray pattern**
- **Paint quantity regulator**
- **Supplied with service spanner for maintenance operations**

| | Ø mm | | |
|---|---|---|---|
| **1952 1,2** | 1,2 | 1 | 019520012 |
| **1952 1,5** | 1,5 | 1 | 019520015 |
| **1952 1,8** | 1,8 | 1 | 019520018 |
| **1952 2,0** | 2,0 | 1 | 019520020 |

## 1900S

automatic spring hose reel,
shockproof plastic body,
for use with air or water

- **max. operating pressure: 15 bar**
- **braided polyurethane hose**
- **polypropylene frame**
- **device for automatically fixing hose at required length**
- **rack mechanism can be disabled to keep hose pulled**
- **water operating temperature range: -5 °C / +50 °C**
- **supplied with a 180° swivel bracket and an additional quick connection bracket**

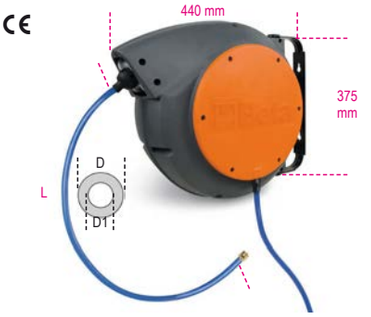



| D1xD mm | L m | Ø GAS | | |
|---|---|---|---|---|
| **8x10** | 10 | 1/4" | 1 | 019000080 |

## 1900M

automatic spring hose reel,
shockproof plastic body,
for use with air or water

- **max. operating pressure: 15 bar**
- **braided polyurethane hose**
- **polypropylene frame**
- **device for automatically fixing hose at required length**
- **rack mechanism can be disabled to keep hose pulled**
- **water operating temperature range: -5 °C / +50 °C**
- **supplied with a 180° swivel bracket and an additional quick connection bracket**

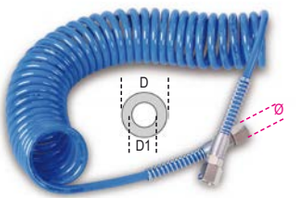



| D1xD mm | L m | Ø GAS | | |
|---|---|---|---|---|
| **8x15** | 15 | 1/4" | 1 | 019000085 |
| **10x15** | 15 | 3/8" | 1 | 019000115 |

## 1914

polyurethane recoiled hoses, 98 Shore, extandable

- **Maximum operating pressure: 12 bar**




| L m | D1xD mm | Ø GAS BSP | | |
|---|---|---|---|---|
| **4** | 5x8 | 1/4" | 1 | 019140054 |
| **6** | 5x8 | 1/4" | 1 | 019140056 |
| **10** | 5x8 | 1/4" | 1 | 019140060 |

## 1915B

polyurethane recoil hoses, 95 Shore, extendable up to 9 m

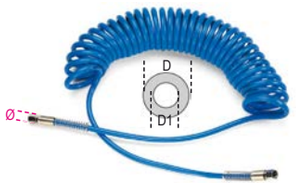
- **Maximum operating pressure: 10 bar**

| D1xD mm | Ø GAS BSP | | |
|---|---|---|---|
| **6,5x10** | 1/4" | 1 | 019150011 |
| **8x12** | 1/4" | 1 | 019150012 |
| **11x16** | 3/8" | 1 | 019150013 |

## 1915C

polyurethane recoil hoses, 95 Shore, extandable up to 12 m

• **Maximum operating pressure: 10 bar**

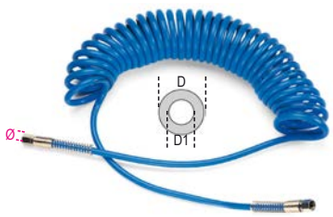



| D1xD mm | Ø GAS BSP | | |
|---|---|---|---|
| **6,5x10** | 1/4" | 1 | 019150014 |
| **8x12** | 1/4" | 1 | 019150015 |
| **11x16** | 3/8" | 1 | 019150016 |

## 1915C/L

polyurethane recoil hoses, 95 Shore, extendable up to 15 m

• **Maximum operating pressure: 10 bar**




| D1xD mm | Ø GAS BSP | | |
|---|---|---|---|
| **8x12** | 1/4" | 1 | 019150115 |
| **11x16** | 3/8" | 1 | 019150116 |

## 1915D

braided polyurethane hose, 95 Shore, 9 metres long

• **Maximum operating pressure: 15 bar**

| D1xD mm | Ø GAS BSP | | |
|---|---|---|---|
| **8x12** | 1/4" | 1 | 019150017 |
| **11x16** | 3/8" | 1 | 019150018 |

## 1915E

braided polyurethane hose, 95 Shore, 12 metres long

• **Maximum operating pressure: 15 bar**

| D1xD mm | Ø GAS BSP | | |
|---|---|---|---|
| **8x12** | 1/4" | 1 | 019150019 |
| **11x16** | 3/8" | 1 | 019150020 |

## 1915E/XL

braided polyurethane coils, 95 Shore, 50 m long

• **Maximum operating pressure: 15 bar**

| D1xD mm | Ø GAS BSP | | |
|---|---|---|---|
| **8x12** | 1/4" | 1 | 019150519 |
| **11x16** | 3/8" | 1 | 019150520 |

## 1916I

quick couplings Italian profile male threaded, cylindrical (BSP)

| Ø GAS BSP | | |
|---|---|---|
| **1/4"** | 5 | 019160001 |
| **3/8"** | 5 | 019160002 |

## 1916G

quick couplings European profile male threaded, tapered (BSPT)

| Ø GAS BSPT | | |
|---|---|---|
| **1/4"** | 5 | 019160005 |
| **3/8"** | 5 | 019160010 |
| **1/2"** | 5 | 019160012 |

## 1916GF

quick couplings, Italian profile, female threaded, cylindrical (BSP)

| Ø GAS BSP | | |
|---|---|---|
| **1/4"** | 5 | 019160055 |
| **3/8"** | 5 | 019160060 |

## 1916GFE

quick couplings, European profile, female threaded, tapered (BSPT)

| Ø GAS BSPT | | |
|---|---|---|
| **1/4"** | 5 | 019160075 |
| **3/8"** | 5 | 019160082 |
| **1/2"** | 5 | 019160084 |

## 1916JM

quick couplings, Asian profile, male threaded, tapered (BSPT)

| Ø GAS BSPT | | |
|---|---|---|
| **1/4"** | 1 | 019160406 |
| **3/8"** | 1 | 019160410 |

## 1916JF

quick couplings, Asian profile, female threaded, cylindrical (BSP)

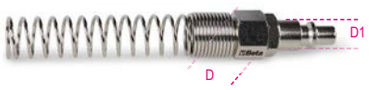
| Ø GAS BSPT | | |
|---|---|---|
| **1/4"** | 1 | 019160456 |
| **3/8"** | 1 | 019160460 |

## 1916P

quick couplings, Italian profile, with sleeve for rubber hose

| D1xD mm | | |
|---|---|---|
| **6x14** | 5 | 019160256 |
| **8x17** | 5 | 019160258 |
| **10x19** | 5 | 019160260 |

## 1916S
quick couplings, Italian profile,
with coil springs




| D1xD mm | | |
|---|---|---|
| 6x8 | 5 | 019160306 |
| 8x10 | 5 | 019160308 |
| 10x12 | 5 | 019160310 |

## 1917M
universal ball quick couplers,
shockproof rubber,
male threaded, cylindrical (BSP)

- **Designed for couplings 1916I and 1916G**

| Ø GAS BSP | | |
|---|---|---|
| 1/4" | 5 | 019170001 |
| 3/8" | 5 | 019170003 |
| 1/2" | 5 | 019170004 |

## 1917F
universal ball quick couplers,
shockproof rubber,
female threaded, cylindrical (BSP)

- **Matches couplings 1916I and 1916G**

| Ø GAS BSP | | |
|---|---|---|
| 1/4" | 5 | 019170005 |
| 3/8" | 5 | 019170010 |
| 1/2" | 5 | 019170014 |

## 1917JM
ball quick couplers,
Asian profile,
male threaded, cylindrical (BSP)

| Ø GAS BSP | | |
|---|---|---|
| 1/4" | 1 | 019170406 |
| 3/8" | 1 | 019170410 |
| 1/2" | 1 | 019170412 |

## 1917JF
ball quick couplers, Asian profile,
female threaded, cylindrical (BSP)

| Ø GAS BSP | | |
|---|---|---|
| 1/4" | 1 | 019170456 |
| 3/8" | 1 | 019170460 |

## 1917RG
rotary universal coupler

- **Made of aluminium, female threaded, cylindrical (BSP) male threaded, cylindrical (BSP)**
- **Matches all couplings with Italian and European profiles**
- **Rotates freely, even without connected area**

| Ø GAS BSP | | |
|---|---|---|
| 1/4" | 1 | 019170252 |

## 1917SP
universal ball quick couplers,
with sleeve for rubber hose

| D1xD mm | | |
|---|---|---|
| 6x14 | 5 | 019170206 |
| 8x17 | 5 | 019170208 |
| 10x19 | 5 | 019170210 |

## 1917ST
universal ball quick couplers,
with coil springs

| D1xD mm | | |
|---|---|---|
| 6x8 | 5 | 019170306 |
| 8x10 | 5 | 019170308 |
| 10x12 | 5 | 019170310 |

## 1918
hose tail fitting, male threaded

| D1 mm | Ø GAS BSP | | |
|---|---|---|---|
| 6 | 1/8" | 3 | 019180106 |
| 8 | 1/8" | 3 | 019180108 |
| 6 | 1/4" | 3 | 019180116 |
| 8 | 1/4" | 3 | 019180118 |
| 10 | 1/4" | 3 | 019180120 |
| 10 | 3/8" | 3 | 019180130 |
| 12 | 3/8" | 3 | 019180132 |
| 10 | 1/2" | 3 | 019180140 |
| 12 | 1/2" | 3 | 019180142 |

## 1918N
connecting nipples
with tapered threads (BSPT)

| Ø GAS | Ø1 GAS | | |
|---|---|---|---|
| 1/4" | 1/4" | 5 | 019180300 |
| 3/8" | 3/8" | 5 | 019180310 |
| 1/2" | 1/2" | 5 | 019180320 |

## 1918R
reducing nipples
with tapered threads (BSPT)

| Ø GAS | Ø1 GAS | | |
|---|---|---|---|
| 1/4" | 3/8" | 5 | 019180200 |
| 3/8" | 1/2" | 5 | 019180210 |

## 1919FE1/4
filter-regulator-lubricator

| | |
|---|---|
| **Air in/outlet** | **1/4" GAS BSPT** |
| Pressure gauge inlet | 1/8" GAS BSPT |
| **Maximum air capacity** | **750 l/min** |
| Maximum pressure | 9,5 bar |
| **Operating pressure** | **0,5 - 8,5 bar** |
| Operating temperature | 5 - 60 °C |
| **Filter capacity** | **5 micron** |
| Cup capacity | 15 cc air / 25 cc oil |
| **Weight** | **700 g** |

| g | | |
|---|---|---|
| 700 | 1 | 019190200 |

## 1919RB-FE1/4
set of spare cups for item 1919FE1/4

| | |
|---|---|
| 1919RB-FE1/4 | 1 019190210 |

## 1919RF-FE1/4
spare filter for item 1919FE1/4

| | |
|---|---|
| 1919RF-FE1/4 | 1 019190230 |

## 1919RM-FE1/4
spare pressure gauge
for item 1919FE1/4

| | |
|---|---|
| 1919RM-FE | 1 019190220 |

## 1919F1/4
filter-regulator-lubricator

| | |
|---|---|
| **Air in/outlet** | **1/4" GAS BSPT** |
| Maximum air capacity | 1000 l/min |
| **Maximum pressure** | **9,5 bar** |
| Operating pressure | 0,5 - 8,5 bar |
| **Operating temperature** | **5 - 60 °C** |
| Filter capacity | 5 microns |
| **Cup capacity** | **60 cc air / 90 cc oil** |
| Weight | 1.3 kg |

| | | |
|---|---|---|
| kg | | |
| 1,3 | 1 | 019190250 |

## 1919F3/8
filter-regulator-lubricator

| | |
|---|---|
| **Air in/outlet** | **3/8" GAS BSPT** |
| Maximum air capacity | 1350 l/min |
| **Maximum pressure** | **9,5 bar** |
| Operating pressure | 0,5 - 8,5 bar |
| **Operating temperature** | **5 - 60 °C** |
| Filter capacity | 5 microns |
| **Cup capacity** | **60 cc air / 90 cc oil** |
| Weight | 1.3 kg |

| | | |
|---|---|---|
| kg | | |
| 1,3 | 1 | 019190350 |

## 1919F1/2
filter-regulator-lubricator

| | |
|---|---|
| **Air in/outlet** | **1/2" GAS BSPT** |
| Maximum air capacity | 2500 l/min |
| **Maximum pressure** | **9,5 bar** |
| Operating pressure | 0,5 - 8,5 bar |
| **Operating temperature** | **5 - 60 °C** |
| Filter capacity | 5 microns |
| **Cup capacity** | **60 cc air / 90 cc oil** |
| Weight | 1.3 kg |

| | | |
|---|---|---|
| kg | | |
| 1,3 | 1 | 019190450 |

## 1919RB-F
set of spare cups for filters
item 1919F - 1/4", 3/8" and 1/2"

| | |
|---|---|
| 1919RB-F | 1 019190510 |

## 1919RF-F
spare filter for filters
item 1919F - 1/4", 3/8" and 1/2"

| | |
|---|---|
| 1919RF-F | 1 019190530 |

## 1919RM-F
spare pressure gauge for filters
item 1919F - 1/4", 3/8" and 1/2"

| | |
|---|---|
| 1919RM-F | 1 019190520 |

## 1919ML
mini lubricators

| Ø | L mm | Ø mm | |
|---|---|---|---|
| 1/4" | 63 | 36 | 1 019190030 |
| 3/8" | 63 | 36 | 1 019190032 |

## 1919SC
mini water separator

| Ø | L mm | Ø mm | |
|---|---|---|---|
| 1/4" | 80 | 40 | 1 019190035 |

## 1919L
ISO 32 lubricating oil

| | |
|---|---|
| **Density 20°C** | **875 Kg/m³** |
| Viscosity 40°C | 32 cSt |
| **Flammability COC** | **210°C** |

| | | |
|---|---|---|
| cc | | |
| 500 | 5 | 019190050 |

# CONTAINERS AND ASSORTMENTS

| | | | TOOL CASES & TROLLEYS | | | | | | | | | | TOOL BAGS & BOXES | | | | | | | | | | | | TOOL TROLLEYS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | pieces | 2009N/BV | 2028/VV | 2029/VV | 2032/TV | 2033L/VV | 2036/TV | C99 | C99V1 | C99V3/2C | C4 | C5 | C5S | C6T | C7 | C8 | C10 | C9 | C10S | C11 | CP15L | C16 | CP17 | CP17L | C12 | C14 | CP15 | C18 | C19 | C19L | C20 | C20L | C41S | C41H | C42H |
| 5914VU/M | Universal maintenance | 109 | | | | | | | | | | | | | | | | | | | | | | | 443 | | | | | | | | | |
| 5915VU/0 | Universal maintenance | 35 | | | | | | | | | | 445 | | | | | | | | | | | | | | | | | | | | | | |
| 5915VU/1 | Universal maintenance | 45 | | | | | | | | | | | | | | 445 | 445 | 445 | 445 | | | 445 | | | | | 445 | 445 | | | | | | | |
| 5915VU/2 | Universal maintenance | 49 | | | | | | | | | | | | | 446 | | | | | | | | | | | | 446 | | | | 446 | 446 | | | |
| 5915VU/3 | Universal maintenance | 74 | | | | | | | | | | | | | 446 | | | 446 | 446 | | | 446 | | | | | | | | 446 | 446 | 446 | | | |
| 5915VU/4 | Universal maintenance | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 447 | 447 | | | |
| 5915VU/5 | Universal maintenance | 111 | | | | | | | | | | | | | | | | | | | | | | | 447 | | | | | | | | 447 | 447 | 447 |
| 5915VU/AS | Universal maintenance | 68 | | | | | | | | | | | | | | | | 448 | | | | | | | | | | | | | 448 | 448 | | | |
| 5940SBK | Bicycle and motorcycle repairs | 125 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 473 | 473 | 473 |
| 5941VU-M | Universal maintenance | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 474 | |
| 5980EL/A | Electronic | 57 | | 460 | | 460 | 460 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5980EL/B | Electronic | 98 | | | 461 | | 461 | 461 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5980ET/A | Electrotechnical | 70 | | 458 | | 458 | | | | | | | | | | | | | | | | | | | 458 | | | | | | | | | | |
| 5980ET/B | Electrotechnical | 64 | | | 459 | | 459 | 459 | | | | | | | | | | | | | | | | | 459 | | | | | | | | | | |
| 5980ID | Plumbing | 35 | 462 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5980MQ | Electrotechnical | 46 | | | 459 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5980U/BIKE | Bicycle and motorcycle repairs | 90 | | | | | | | | | | | | | | | | | | | | | 453 | | | | | | | | | 453 | | | |
| 5990V1 | Universal maintenance | 44 | | | | | | | 452 | 452 | | | | | | | | | | | | | | | | | | | | | | | 452 | 452 | 452 |
| 5990V3 | Universal maintenance | 116 | | | | | | | 452 | | 452 | | | | | | | | | | | | | | | | | | | | | | | 452 | |

# TOOL BAGS AND RUCKSACKS MADE FROM TECHNICAL FABRIC

- **FUNCTIONALITY**
- **STURDINESS**
- **DURABILITY**

These are the three cornerstones of Beta's range of Fabric Containers.
Beta's tool bags and rucksacks are made from sturdy technical fabric, resistant to both abrasion and wear, with reinforced bottoms and seams, translating into reliability and durability.

Each container has special characteristics, designed for different uses and space optimization: zipped pockets, telescopic handles, wheel protectors, reinforced shoulder straps and transparent document bags are but some of the peculiarities of each bag and rucksack.

Painstaking care for detail, variety and special attention to the completely safe transportation of the tools make these products ideal for every working situation.

## POLYPROPYLENE TOOL CASES

Beta provides a wide range of technical cases catering to any needs!
Beta's tool cases and trolleys are made from sturdy, thick, shockproof, corrosion-resistant polypropylene designed to withstand heavy-duty use – e.g. at low temperatures.
Choose the product that best fits your working requirements from the classic tool trolley, the wheeled trolley version for easy transport, the versions fitted with TSA locks for totally free travelling and, finally, the aluminium or watertight version.
Most of Beta's tool cases and trolleys are also available in combination with tool assortments satisfying different working needs, depending on the field of application: electronics, hydraulics, boating and maintenance.

## 2001/B26

fabric wallet with assortment of 26 tools

| | | |
|---|---|---|
| **2001/B26** | 1 | 020010215 |

| | |
|---|---|
| **55** | 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 mm |
| **96N/SC9** | 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm |
| **1044F** | 250 mm |
| **1128BMX** | 145 mm |
| **1150** | 180 mm |
| **1201E** | 3x75 - 4x100 - 5,5x150 mm |
| **1202E** | PH1x80 - PH2x100 mm |
| **1370** | 300 g |
| **1692** | 2 m |
| **1770A** | 9 mm |

| | | |
|---|---|---|
| **2001/BV** | 1 | 020010051 |

## 2001/BZV

tool case made from durable technical fabric

- **Double upper handle for optimal hold**
- **Large front document pocket with zip closure**
- **Velcro strap at the back, for fixing the tool case to the trolley handle**
- **20 convenient tool compartments (6 pockets and 14 elastic bands)**
- **Hammer loops**
- **Shoulder strap C9/RT can also be included (to be ordered separately)**

| | | |
|---|---|---|
| **2001/BZV** | 1 | 020010151 |

380x290x60 mm - 675 g

## 2001/BZ24 MQ

folding tool case with assortment of 24 tools, for electricians

| 2001/BZ24 MQ | 1 | 020010154 |
|---|---|---|

| | | |
|---|---|---|
| 1128BMX | | 1 |
| 1150MQ | 180 mm | 1 |
| 42 | 8-10-13-17-19 mm | 5 |
| 1274MQ | 3x100 - 4x100 - 5,5x125 mm | 3 |
| 1272MQ | PH0x60 - PH1x80 - PH2x100 mm | 3 |
| 96BP/SC9 | 1,5-2-2,5-3-4-5-6-8-10 mm | 9 |
| 1253 | | 1 |
| 1082MQ | 160 mm | 1 |

## 2001/BZ27 VU

folding tool case with assortment of 27 tools, for universal use

| 2001/BZ27 VU | 1 | 020010157 |
|---|---|---|

| | | |
|---|---|---|
| 1128BMX | | 1 |
| 1150 | 180 mm | 1 |
| 42 | 7-8-10-13-17-19 mm | 6 |
| 1201E | 3x75 - 4x100 - 5,5x150 mm | 3 |
| 1202E | PH0x60- PH1x80 - PH2x100 mm | 3 |
| 96/SC9 | 1,5-2-2,5-3-4-5-6-8-10 mm | 9 |
| 1370 | 300 g | 1 |
| 1048 | 250 mm | 1 |
| 1692/5 | 5 m | 1 |
| 1771 | 18 mm | 1 |

## 2002/BV6

roll-up tool wallet made of durable polyester, empty

- With 6 convenient, differently sized tool compartments
- Central handle made of reinforced fabric makes it easy to carry
- With interior flap preventing tools from coming out
- Reinforcement seams throughout wallet perimeter
- Double Velcro closure
- Dimensions when open: 175 x 240 mm

| 2002/BV6 | 1 | 020020000 |
|---|---|---|

## 2002/BVL6

roll-up tool wallet made of durable polyester, empty

- With 6 convenient, differently sized tool compartments
- Central handle made of reinforced fabric makes it easy to carry
- With interior flap preventing tools from coming out
- Reinforcement seams throughout wallet perimeter
- Double Velcro closure
- Dimensions when open: 220 x 290 mm

| 2002/BVL6 | 1 | 020020010 |
|---|---|---|

## 2002/BV7-ZIP

roll-up tool wallet made of durable polyester, empty

- With 7 convenient, differently sized compartments and small tool pocket with zip closure
- Central handle made of reinforced fabric makes it easy to carry
- With interior flap preventing tools from coming out
- Reinforcement seams throughout wallet perimeter
- Double Velcro closure
- Dimensions when open: 355 x 220 mm

| 2002/BV7-ZIP | 1 | 020020060 |
|---|---|---|

## 2002/BV8

roll-up tool wallet made of durable polyester, empty

- With 8 convenient, differently sized tool compartments
- Central handle made of reinforced fabric makes it easy to carry
- With interior flap preventing tools from coming out
- Reinforcement seams throughout wallet perimeter
- Double Velcro closure
- Dimensions when open: 395 x 360 mm

| 2002/BV8 | 1 | 020020020 |
|---|---|---|

## 2002/BV9

roll-up tool wallet made of durable polyester, empty

- With 9 convenient, differently sized tool compartments
- Central handle made of reinforced fabric makes it easy to carry
- With interior flap preventing tools from coming out
- Reinforcement seams throughout wallet perimeter
- Double Velcro closure
- Dimensions when open: 325 x 290 mm

| 2002/BV9 | 1 | 020020030 |
|---|---|---|

## 2002/BV12

roll-up tool wallet made of durable polyester, empty

- With 12 convenient, differently sized tool compartments
- Central handle made of reinforced fabric makes it easy to carry
- With interior flap preventing tools from coming out
- Reinforcement seams throughout wallet perimeter
- Double Velcro closure
- Dimensions when open: 650 x 355 mm

| 2002/BV12 | 1 | 020020040 |
|---|---|---|

## 2002/BV13

roll-up tool wallet made of durable polyester, empty

- With 13 convenient, differently sized tool compartments
- Central handle made of reinforced fabric makes it easy to carry
- With interior flap preventing tools from coming out
- Reinforcement seams throughout wallet perimeter
- Double Velcro closure
- Dimensions when open: 330 x 190 mm

| | | |
|---|---|---|
| **2002 BV13** | 1 | 020020050 |

## 2005PA/D

tool pouch,
empty, made from nylon, with belt

| | | |
|---|---|---|
| **2005PA/D** | 1 | 020050000 |

## 2005PA/S

tool pouch,
empty, made from nylon, with belt

| | | |
|---|---|---|
| **2005PA/S** | 1 | 020050020 |

## 2009N/BV

leather bag for maintenance

| mm | | |
|---|---|---|
| **530x190x210** | 1 | 020090200 |

## 2009ID

bag with assortment of tools for plumbing maintenance

| | | |
|---|---|---|
| **2009ID**<br>(2009N/BV+5980ID) | 1 | 020091013 |

## 2028/VV

tool case, made of polypropylene

**2 tool panels**
**Interior bottom with removable partitions**
**Double combination lock**

| mm | | |
|---|---|---|
| **470x410X185 mm** | 1 | 020280010 |

## 2028E

tool case with assortments of tools for electronic and electrotechnical maintenance

| | | |
|---|---|---|
| **2028EL/A**<br>(2028/VV+5980EL/A) | 1 | 020281014 |
| **2028ET/A**<br>(2028/VV+5980ET/A) | 1 | 020281018 |

## 2029/VV

tool case, made of thick polypropylene, aluminium edged

**2 tool panels**
**Bottom with removable and adjustable partitions**
**Supplied with shoulder strap**
**2 keyed locks**

| mm | | |
|---|---|---|
| **490x380x230** | 1 | 020290000 |

## 2029E

tool cases with assortments of tools for electronic and electrotechnical maintenance

| | | |
|---|---|---|
| **2029 BG MQ**<br>(2029/VV+5980MQ) | 1 | 020291257 |
| **2029ET/B**<br>(2029/VV+5980ET/B) | 1 | 020291021 |
| **2029EL/B**<br>(2029/VV+5980EL/B) | 1 | 020291017 |

## 2029/RT

universal shoulder strap for bags and cases

| | | |
|---|---|---|
| **2029/RT** | 1 | 020290900 |

## 2032/TV

tool trolley, made from plastic

2 tool panels
Tool pocket
Interior bottom with removable partitions

| mm | | |
|---|---|---|
| 430x370x200 | 1 | 020320110 |

## 2032/TE

tool trolley with assortments of tools for electronic and electrotechnical maintenance

| | | |
|---|---|---|
| **2032TET/A**<br>(2032/TV+5980ET/A) | 1 | 020321328 |
| **2032TEL/A**<br>(2032/TV+5980EL/A) | 1 | 020321314 |

## 2033L/VV

wall tool case, made from aluminium, empty

- Highly shock resistant
- Nonscratch finish
- Ergonomic handle with rubber grip
- Double closure with combination

- 2 tool panels with elastic bands
- Interior bottom with removable partitions

| mm | | |
|---|---|---|
| 470x375x205 | 1 | 020330250 |

## 2033L

aluminium tool cases with assortments of tools for electronic and electrotechnical maintenance

| | | |
|---|---|---|
| **2033LEL/A**<br>(2033L/VV+5980EL/A) | 1 | 020331224 |
| **2033LEL/B**<br>(2033L/VV+5980EL/B) | 1 | 020331225 |
| **2033LET/B**<br>(2033L/VV+5980ET/B) | 1 | 020331237 |

## 2036/TV

tool trolley, made of thick polypropylene, aluminium edged

2 tool panels
Telescopic handle
Ball bearing castors

| mm | | |
|---|---|---|
| 490x380x260 | 1 | 020360000 |

## 2036E

trolley with assortments of tools for electronic and electrotechnical maintenance

| | | |
|---|---|---|
| **2036TET/B**<br>(2036/TV+5980ET/B) | 1 | 020361223 |
| **2036EL/B**<br>(2036/TV+5980EL/B) | 1 | 020361218 |

## 2037/TV

tool trolley, made of thick polypropylene, with 4 pivoting castors

Highly shock resistant. Suitable for tool transportation in aircraft.
2 removable tool panels.
Built-in document pocket.
4 removable pivoting castors for horizontal trolley handling.
2 tote-trays included
2 TSA approved locks with keys
Rubber-coated handle

| mm | | |
|---|---|---|
| 420x325x275 mm | 1 | 020370000 |

## 2038/TV

tool trolley, made of thick polypropylene

- Highly shock resistant
- Aluminium sealing profile
- 2 TSA approved locks with keys
- 2 removable tool panels.
- Telescopic handle and big ball bearing castors
- 2 ergonomic rubber-coated handles (including 1 side handle)
- Capacious bottom
- Document pocket
- 3 tote drawers

| mm | | |
|---|---|---|
| 430x500x340 | 1 | 020380000 |

## 2041UC

Utility Case with assortment of 33 tools

| | | | |
|---|---|---|---|
| **2041UC** | | 1 | 020410215 |

| | |
|---|---|
| **55** | 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 mm |
| **96/SC9** | 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm |
| **111** | 200 mm |
| **1048V** | 250 mm |
| **1128BMX** | 145 mm |
| **1150** | 180 mm |
| **1201E** | 2,5x50 - 3x75 - 4x100 - 5,5x100 - 6,5x150 mm |
| **1202E** | PH0x60 - PH1x80 - PH2x100 mm |
| **1370** | 300 g |
| **1692** | 3m |
| **1771** | 170 mm |
| **1833S** | 70 Lumen / 140 mm |
| **1639NS-N** | 25m |
| **1696** | 200 mm |

535x282x87 mm - 4,5 Kg

## 2051N

assortment of 55 tools
for nautical maintenance
with shockproof polypropylene case

| | | | |
|---|---|---|---|
| **2051N** | | 1 | 020510215 |

| | |
|---|---|
| **42** | 7 - 8 - 10 - 12 - 13 - 14 - 17 - 19 mm |
| **55AS** | 3/8x7/16 - 1/2x9/16 - 5/8x11/16" |
| **956C** | □1/2 - 16 - 20,8 mm |
| **1048** | 250 mm |
| **1084BM** | 160 mm |
| **1128BMX** | 145 mm |
| **1150BM** | 180 mm |
| **1166BM** | 160 mm |
| **1201E** | ◐3x75 - 4x100 - 5,5x150 - 6,5x150 mm |
| **1202E** | ✪PH1x80 - PH2x100 mm |
| **1390** | Ø 35 mm |
| **1490/2** | ø max 240 mm |
| **96/SC9** | ○1,5÷10 mm |
| **1737** | 145 mm |
| **1778X** | |
| **1748N** | 3,6 x 140 mm |
| **1639NS-N** | 25m |
| **111** | 200 mm |
| **920A** | ◌ 10 - 12 - 13 - 14 - 17 - 19 mm |
| **920AS** | ◌ 7/16 - 1/2 - 9/16 - 11/16 - 7/8" |
| **920/22** | 255 mm - □1/2 - ■1/2 |
| **920/25** | □1/2 - ■1/2 |
| **920/42** | ■1/2 |
| **920/55** | ■1/2 |

585x393x92 mm - 9 kg

## 2055HB

"Home Bag" case with assortment of 24 tools

| | | | |
|---|---|---|---|
| **2055HB** | | 1 | 020550215 |

| | |
|---|---|
| **55** | 6x7 - 8x9 - 10x11 - 12x13 mm |
| **96N/SC9** | 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm |
| **1128BMX** | 145 mm |
| **1150** | 180 mm |
| **1048V** | 250 mm |
| **1201E** | 3x75 - 4x100 - 5,5x100 mm |
| **1202E** | PH0x60 - PH1x80 - PH2x100 mm |
| **1370** | 300 g |
| **1692** | 3m |

373x275x70 mm - 3 Kg

## 2060/VV

hard cavity wall tool case

**Floating, waterproof/watertight**
**Made from thick resin**
**With manual pressure release valve**

IP67

| | mm | | |
|---|---|---|---|
| **490x410x210** | | 1 | 020600101 |

## 2080/V6

organizer tool case with 6 removable tote-trays and adjustable partitions

| | mm | | |
|---|---|---|---|
| **2080/V6** | 385x320x60 | 1 | 020800060 |

## 2080/V6-U

removable tote-tray for organizer tool case 2080/V6

| | | |
|---|---|---|
| **2080/V6-U** | 1 | 020800066 |

90x60x50 mm

## 2080/D10

set of 10 adjustable partitions for organizer tool case 2080/V6

| | | |
|---|---|---|
| **2080/D10** | 1 | 020800070 |

## 2080/V12

organizer tool case with 12 removable tote-trays

| | mm | | |
|---|---|---|---|
| **2080/V12** | 300x145x330 | 1 | 020800000 |

## 2080/V12-...

removable tote-tray for organizer tool case 2080/V12

| | | |
|---|---|---|
| **2080/V12-S**<br>95x75x65 mm | 3 | 020800013 |
| **2080/V12-M**<br>145x75x65 mm | 2 | 020800015 |
| **2080/V12-L**<br>295x75x65 mm | 1 | 020800020 |

## C3

mini tool bag, made from technical fabric

**Main features:**
- **1 exterior front pocket with zip closure**
- **2 side pockets with tote trays**
- **1 convenient rear pocket with Velcro closure**
- **1 removable interior tool panel, with elastic bands on both sides**
- **USB interface for charging mobile devices**
- **Complete with shoulder strap**

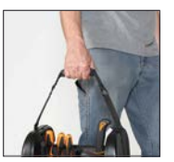
| | | |
|---|---|---|
| **C3** | 1 | 021030000 |

330x320x150 mm - 890 g

## C4 - 2104

tool basket made of technical fabric

**Removable internal tool panel**
**Internal and external pockets and elastic tool holder**
**Sturdy waterproof base with rubber feet**
**Supplied with shoulder strap**



| | | |
|---|---|---|
| **C4** | 1 | 021040000 |
| **2104VU/0**<br>(C4+5915VU/0) | 1 | 021041122 |

360x330x260x mm - 2,5 kg

## C5S

tool rucksack, made of hard-wearing polyester

- **Double handle on top centre of rucksack for firm, balanced hold**
- **Two large front pockets**
- **Two capacious interior pockets and 2 additional Velcro straps**
- **Handy roll-up interior bag, composed of 4 tool panels**
- **Adjustable reinforced shoulder straps**
- **Maximum carrying capacity: 15 kg**

| | | |
|---|---|---|
| **C5S** | 1 | 021050100 |

370x300x100 mm - 0,9 Kg

## C5 - 2105

tool rucksack, made of technical fabric

| | | |
|---|---|---|
| **C5** | 1 | 021050000 |
| **2105VU0**<br>(C5+5915VU/0) | 1 | 021051122 |

500x400x180 mm - 2,5 Kg

## C6T - 2106

tool rucksack, made of technical fabric, with castors

| | | |
|---|---|---|
| **C6T** | 1 | 021060010 |
| **2106T/VU0**<br>(C6T+5915VU/0) | 1 | 021061123 |

480x370x220 mm - 4,5 kg

## C7 - 2107

technical fabric tool bag

**2 removable interior tool panels**
**Interior PC pocket**
**2 exterior front pockets**
**Interior bottom made of plastic, with removable partitions**

| | | |
|---|---|---|
| **C7** | 1 | 021070000 |
| **2107VU/2** (C7+5915VU/2) | 1 | 021071112 |
| **2107VU/3** (C7+5915VU/3) | 1 | 021071114 |

440x370x170 mm - 3,5 kg

## C8 - 2108

technical fabric tool trolley

| | | |
|---|---|---|
| **C8** | 1 | 021080000 |
| **2108 VU/1** (C8+5915VU/1) | 1 | 021081022 |

470x370x280 mm - 4 kg

## C8B

tool trolley made from technical fabric, for electricians

**Hard frame**
**Telescopic carrying handle**
**4 castors**
**1 removable interior tool panel**
**Front pocket with badge holder**
**Double bottom complete with tote tray**
**2 exterior side pockets**
**2 wire puller hooks**
**Tilting handle for easier access to tools**
**Can be padlocked (padlock not included)**

| | | |
|---|---|---|
| **C8B** | 1 | 021080300 |

430x290x440 mm - 4,7 kg

## C9 - 2109

technical fabric tool bag

- **Hard base**
- **Interior and exterior tool pockets**
- **Exterior pocket with zip closure for enhanced safety**
- **Pocket with strap closure for personal belongings**
- **Double bottom**
- **Double string for levels**
- **Shoulder strap for easier transport**

| | | |
|---|---|---|
| **C9** | 1 | 021090000 |
| **2109VU/1** (C9+5915VU/1) | 1 | 021091022 |
| **2109VU/3** (C9+5915VU/3) | 1 | 021091024 |

550x280x320 mm - 2,6 kg

## C9/RT

shoulder strap for items C4,C7,C9,C10,C10S,C11 and C12

| | | |
|---|---|---|
| **C9/RT** | 1 | 021090900 |

## C10 - 2110

technical fabric tool box

**Hard frame**
**Double bottom. Bottom can be removed for increased bag capacity**
**Tilting handle for easier access to tools**
**Elastic tool bands and interior and exterior pockets**
**Cover**
**Tool tray included in double bottom**

| | | |
|---|---|---|
| **C10** | 1 | 021100000 |
| **2110VU/1** (C10+5915VU/1) | 1 | 021101031 |
| **2110VU/3** (C10+5915VU/3) | 1 | 021101034 |
| **2110VU/AS** (C10+5915VU/AS) | 1 | 021101036 |

520x220x250 mm - 3,3 kg

## C10S - 2110S

technical fabric tool box

**Hard frame**
**Double bottom. Bottom can be removed for increased bag capacity**
**Tilting handle for easier access to tools**
**Elastic tool bands and interior and exterior pockets**
**Cover**
**Tool tray included in double bottom**

| | | |
|---|---|---|
| **C10S** | 1 | 021100001 |
| **2110SVU/1** (C10S+5915VU/1) | 1 | 021101041 |
| **2110SVU/3** (C10S+5915VU/3) | 1 | 021101044 |

420x220x250 mm - 2,3 kg

## C11 - 2111

technical fabric tool box

| | | |
|---|---|---|
| **C11** | 1 | 021110000 |
| **2111VU/1** (C11+5915VU/1) | 1 | 021111031 |
| **2111VU/3** (C11+5915VU/3) | 1 | 021111034 |

400x240x220 mm - 2 kg

## C12 - 2112

technical fabric tool bag

**Removable interior tool panel**
**Elastic tool bands and capacious interior and exterior pockets**
**Bag opens at front for easier access to tools at workplace**
**Hard, waterproof base with rubber feet**
**Can be used with trolley C8**

| | | |
|---|---|---|
| **C12** | 1 | 021120000 |
| **2112ET/A** (C12+5980ET/A) | 1 | 021121028 |
| **2112ET/B** (C12+5980ET/B) | 1 | 021121029 |
| **2112VU/5** (C12+5915VU/5) | 1 | 021121056 |

500x370x270 mm - 5 kg

## C13

tool trunk with castors,
made of hard-wearing polypropylene

**Suitable for outdoor use**
**Shockproof, resistant to chemical agents**
**Can be padlocked**

| | | |
|---|---|---|
| **C13** | 1 | 021130000 |

870x410x350 mm - 7,2 kg

## C14

tool trolley, made of polypropylene, with 4 drawers

- **Injection polypropylene frame for increased shock resistance.**
- **Lid-protected front accommodates 4 pull-out drawers (470x255):**
  **1 drawer 30 mm high**
  **2 drawers 60 mm high**
  **1 drawer 90 mm high**
- **Front centralized lock allows top and front lids to be closed simultaneously.**
- **Two side handles**
- **4 sturdy rear castors**
- **Removable top tray**
- **Tool panel built into lid**
- **3 tote-trays included**
- **Nameplate**
- **Can be closed with TSA lock**

| | | |
|---|---|---|
| **C14** | 1 | 021140000 |
| **2114VU/M** (C14+5914VU/M) | 1 | 021141011 |

580x380x455 mm - 10 kg

## CP15 - 2115

tool box, made from plastic, removable tote-tray and tool trays

- **1 tool tray built into cover**
- **2 removable tool trays with adjustable partitions**
- **1 interior tote-tray with adjustable partitions**

| | | |
|---|---|---|
| **CP15** | 1 | 021150201 |
| **2115PVU/1** (CP15+5915VU/1) | 1 | 021151232 |
| **2115PVU/2** (CP15+5915VU/2) | 1 | 021151234 |

445x240x250 mm - 2 kg

## CP15L - 2115

tool box, long series, made from plastic, removable tote-tray and tool trays

- **3 tool trays built into cover with adjustable partitions**
- **1 interior tote-tray with adjustable partitions**

| | | |
|---|---|---|
| **CP15L** | 1 | 021150202 |
| **2115PL-VU/1** (CP15L+5915VU/1) | 1 | 021151242 |
| **2115PL-VU/3** (CP15L+5915VU/3) | 1 | 021151245 |

558x277x270 mm - 2,5 kg

## 2115P L-MQ32

assortment of 32 insulated tools for hybrid cars, in plastic tool box with soft thermoformed tray

| | | |
|---|---|---|
| **2115PL-MQ32** | 1 | 021150332 |

**920MQ/55A**

| | |
|---|---|
| **89MQ** | 10-12 mm |
| **850MQ** | 1/4" |
| **860TX/A10** | T7-T8-T9-T10-T15-T20-T25-T27-T30-T40 |
| **920MQ/A** | 8-10-12-13-14-17-19 mm |
| **920MQ/21** | 125mm |
| **920MQ/22** | 250mm |
| **1048MQ250** | 250mm |
| **1150MQ** | 180mm |
| **1164MQ160** | 160mm |
| **1272MQ** | 4.5X80-6X100mm |
| **1274MQ** | 3X100-4X100-5.5X125 |
| **1995MQ/G2** | G2 |
| **CP15L** | |

## C16 - 2116

tool box, made of plastic,
with interior object compartment, empty

| | | |
|---|---|---|
| **C16** | 1 | 021160000 |
| **2116VU/1**<br>(C16+5915VU/1) | 1 | 021161102 |
| **2116VU/3**<br>(C16+5915VU/3) | 1 | 021161105 |

500x260x260 mm - 2,5 kg

## CP17 - CP17L - 2117

tool box,
made of stainless steel and plastic,
removable tote-tray

**CP17**
500x200x220 mm

**CP17L**
575x245x265 mm

| | | |
|---|---|---|
| **CP17** | 1 | 021170500 |
| **2117P-VU/1**<br>(CP17+5915VU/1) | 1 | 021171042 |
| **2117P-VU/3**<br>(CP17+5915VU/3) | 1 | 021171045 |
| **CP17L** | 1 | 021170502 |
| **2117L-VU/1**<br>(CP17L+5915VU/1) | 1 | 021171142 |
| **2117PL-VU/3**<br>(CP17L+5915VU/3) | 1 | 021171145 |

## C18 - 2118

tool box
made from sheet metal

| | | |
|---|---|---|
| **C18** | 1 | 021180001 |
| **2118VU/1**<br>(C18+5915VU/1) | 1 | 021181032 |

450x200x100 mm - 3 kg

## C19 - 2119 - C19L - 2119L

three-section cantilever tool box,
made from sheet metal

**C19**
450x200x160 mm

**C19L**
550x200x160 mm

| | | |
|---|---|---|
| **C19** | 1 | 021190001 |
| **2119VU/3**<br>(C19+5915VU/3) | 1 | 021191025 |
| **C19L** | 1 | 021190002 |
| **2119L-VU/3**<br>(C19L+5915VU/3) | 1 | 021191125 |

## C20 - C20L - 2120

five-section cantilever tool box,
made from sheet metal

**C20**
450x200x210 mm

**C20L**
550x200x210 mm

| | | |
|---|---|---|
| **C20** | 1 | 021200001 |
| **2120VU/2**<br>(C20+5915VU/2) | 1 | 021201061 |
| **2120VU/3**<br>(C20+5915VU/3) | 1 | 021201063 |
| **2120VU/4**<br>(C20+5915VU4) | 1 | 021201064 |
| **2120VU/AS**<br>(C20+5915VU/AS) | 1 | 021201068 |
| **C20L** | 1 | 021200002 |
| **2120L-VU/2**<br>(C20L+5915VU/2) | 1 | 021201161 |
| **2120L-VU/3**<br>(C20L+5915VU/3) | 1 | 021201163 |
| **2120L-VU/4**<br>(C20L+5915VU/4) | 1 | 021201164 |
| **2120L-VU/AS**<br>(C20L+5915VU/AS) | 1 | 021201168 |

## C20TSS

five-section cantilever tool box, made of AISI 304 stainless steel

| | | |
|---|---|---|
| **C20TSS** | 1 | 021203001 |

: 450x200x210 mm - 4kg

## C22B

tool trunk,
made of sheet metal

**C22B O**
720x320x310 mm

**C22BM O**
850x360x350 mm

**C22BL O**
1010x410x400 mm

| | | |
|---|---|---|
| **C22B-O** | 1 | 022000150 |
| **C22BM-O** | 1 | 022000160 |
| **C22BL-O** | 1 | 022000170 |

C22B O: 13 kg
C22BM O: 20 kg
C22BL O: 26 kg

## C22W

tool trunk,
made from sheet metal,
lined for enhanced tool protection

**C22W O**
690x300x360 mm

**C22WL O**
990x300x360 mm

| | | |
|---|---|---|
| **C22W-O** | 1 | 022000269 |
| **C22WL-O** | 1 | 022000299 |

C22W O: 15 kg
C22WL O: 28 kg

## C22P

tool trunk for building yards, made of sheet metal

**built-in, retractable handles**
**raised shoes for forklift truck handling**
**double burglar-proof lock closure (not included)**

**C22PM O**
915x540x430 mm

**C22PL O**
1220x720x615 mm

| | | |
|---|---|---|
| **C22PM-O** | 1 | 022000240 |
| **C22PL-O** | 1 | 022000245 |

C22PM O: 39 kg
C22PL O: 67 kg

# C99

**Combo is Beta's new modular system** comprised of **3 different types of sturdy tool cases** for replacing your work equipment tidily and totally safely.
The tool cases can be easily joined to each other by a **simple click**, through the functional side snap-on mechanism.

***The new system, Beta Combo C99, is compatible with the L-BOXX standard by Sortimo®.***

## C99

BETA COMBO comprehensive modular system

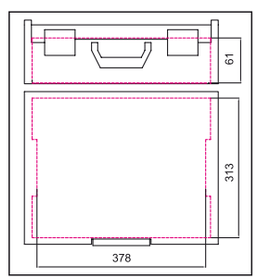
The tool cases can be easily joined to each other by a simple click, through the functional side snap-on mechanism.
System comprising:
• Ultracompact aluminium folding trolley with telescopic handle C99P (485x520x1195 mm)
• ABS tool case C99V1 (445x358x152 mm)
• ABS tool case C99V2 (445x358x254 mm)
• ABS tool case with 2 portable tote trays C99V3/2C (445x358x322 mm)

| | | |
|---|---|---|
| C99 | 1 | 099000010 |

## C99V0

COMBO ABS tool case, with transparent cover

The tool cases can be easily joined to each other by a simple click, through the functional side snap-on mechanism.
Main features:
• Transparent cover made from sturdy polycarbonate for quick identification of contents
• Outer dimensions: 445x358x118 mm
• Max. interior carrying capacity: 25 kg
• Can be padlocked
• Weight: 2.5 kg

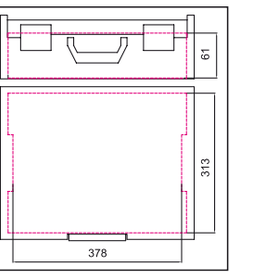



| | | |
|---|---|---|
| C99V0 | 1 | 099000202 |

## C99V0-P12

COMBO ABS tool case, with transparent cover

The tool cases can be easily joined to each other by a simple click, through the functional side snap-on mechanism.
Main features:
• Transparent cover made from sturdy polycarbonate for quick identification of contents
• Particularly suitable for carrying smallwares, including screws, nuts, washers, rivets and dowels
• Supplied complete with kit of 18 tote trays:
2 red trays, 52x52 mm
3 yellow trays, 104x52 mm
2 blue trays, 104x104 mm
1 green tray, 104x156 mm
2 orange trays, 208x52 mm
2 grey trays, 312x71 mm, and 6 adjustable partitions
• Outer dimensions: 445x358x118 mm
• Max. interior carrying capacity: 25 kg
• Can be padlocked
• Weight: 3.2 kg



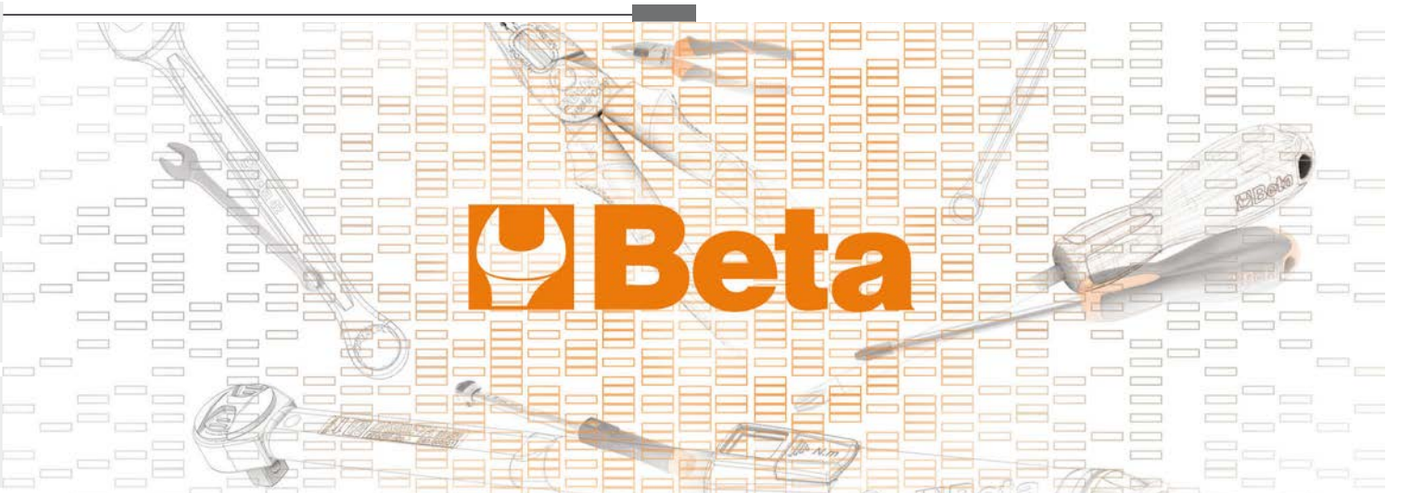

| | | |
|---|---|---|
| C99V0-P12 | 1 | 099000200 |

## C99P12-V0

kit of 18 tote trays for tool cases C99V0

Kit contents:
• 2 red trays, 52x52 mm
• 3 yellow trays, 104x52 mm
• 2 blue trays, 104x104 mm
• 1 green tray, 104x156 mm
• 2 orange trays, 208x52 mm
• 2 grey trays, 312x71 mm, and 6 adjustable partitions

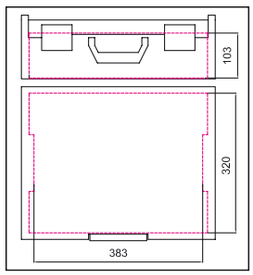
| | | |
|---|---|---|
| C99P12-V0 | 1 | 099000499 |



## C99V1

COMBO ABS tool case

The tool cases can be easily joined to each other by a simple click, through the functional side snap-on mechanism.
Main features:
• Outer dimensions: 445x358x152 mm
• Max. interior carrying capacity: 25 kg
• Can be padlocked
• Weight: 2.2 kg

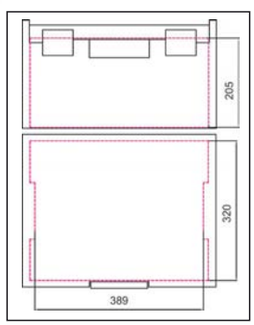



| | | |
|---|---|---|
| **C99V1** | 1 | 099000250 |

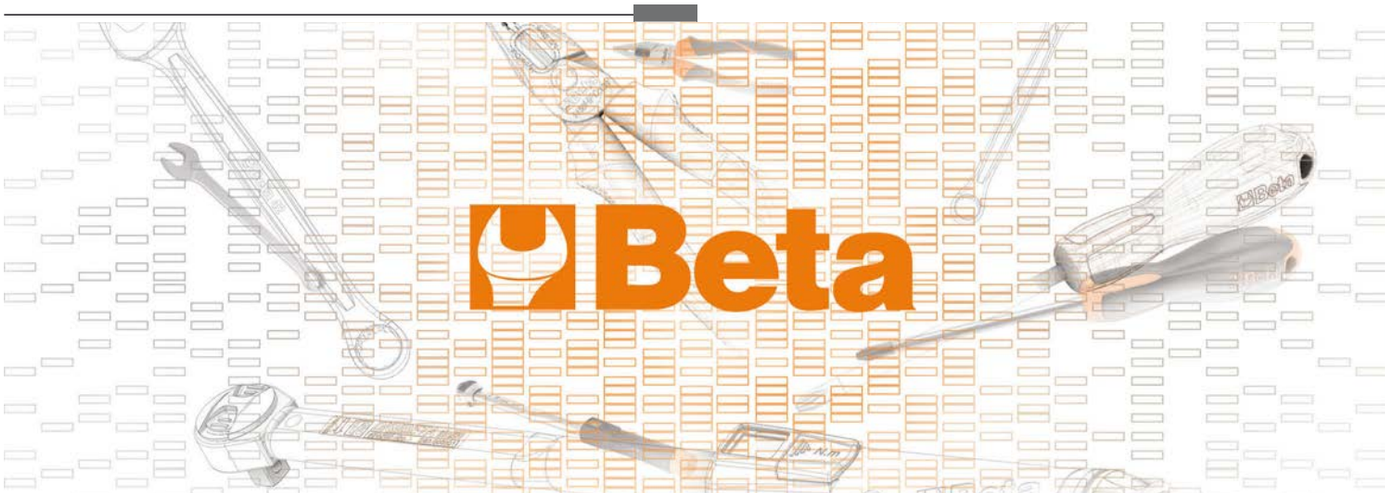
## C99V2

COMBO ABS tool case

The tool cases can be easily joined to each other by a simple click, through the functional side snap-on mechanism.
Main features:
• Outer dimensions: 445x358x254 mm
• Max. interior carrying capacity: 25 kg
• Weight: 2.8 kg



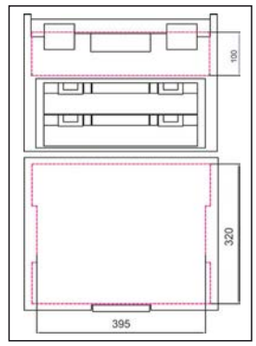

| | | |
|---|---|---|
| **C99V2** | 1 | 099000350 |



## C99V3/2C

COMBO ABS tool case with 2 portable tote trays

The tool cases can be easily joined to each other by a simple click, through the functional side snap-on mechanism.
Main features:
- Outer dimensions: 445x358x322 mm
- Max. interior carrying capacity: 25 kg
- Supplied with 2 tote trays C99C-V3, empty
- Weight: 5.6 kg



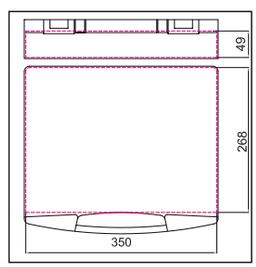

| | | | |
|---|---|---|---|
| C99V3/2C | | 1 | 099000450 |

## C99C-V3

COMBO portable tool box

Transparent cover for quick identification of contents
Built-in handle
Outer dimensions: 367x316x72 mm
Weight: 0.9 kg

Can be equipped with:
- 7 compartment thermoformed tote tray C99T-V3
- kit of 17 tote trays item C99P-V3




| | | | |
|---|---|---|---|
| C99C-V3 | | 1 | 099000496 |

## C99P

COMBO folding tool trolley

Main features:
- Ultracompact folding tool trolley
- Telescopic handle
- Dimensions when open: 485x520x1095 mm
- Dimensions when closed: 485x80x810 mm
- Dimensions of folding base: 485x350 mm
- Two puncture proof wheels, Ø 175

| | | | |
|---|---|---|---|
| C99P | | 1 | 099000101 |

## C99PC
cover lining for wall tool cases C99V1 and C99V3/2C

**Required in combination with thermoformed trays, to prevent the contents from coming out of the compartments or getting mixed up during transportation.**

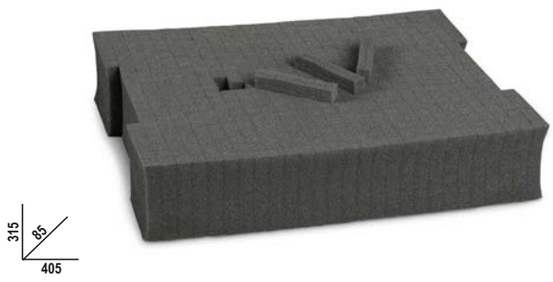
| | | |
|---|---|---|
| C99PC | 1 | 099000491 |

## C99T
thermoformed tote tray, 4-compartment, for tool cases C99V1 and C99V3/2C

| | | |
|---|---|---|
| C99T | 1 | 099000492 |

## C99M
soft foam insert, pre-cubed, for COMBO tool cases C99VI, C99V2 and C99V3/2C

**Easy to shape, for safe, customized accommodation of any tools**




| | | |
|---|---|---|
| C99M | 1 | 099000494 |

## C99T-V3
thermoformed tote tray with 7 compartments, for tool boxes C99C-V3

| | | |
|---|---|---|
| C99T-V3 | 1 | 099000497 |

## C99P-V3
kit of 17 tote trays for tool boxes C99C-V3

**Kit contents:**
- **6 red trays 52x52 mm**
- **2 yellow trays 104x52 mm**
- **3 grey trays 78x260 mm and 6 partitions**

| | | |
|---|---|---|
| C99P-V3 | 1 | 099000498 |

## C99PP
tool panel for COMBO cases

- **with 6 pockets and 11 elastic tool bands**
- **supplied complete with hooks for fixing panel into case cover**

| | | |
|---|---|---|
| C99PP | 1 | 099000489 |

# DISCOVER THE NEW RSC PRODUCT RANGE

## RSC22

portable tool chest
with 3 drawers

Main features:
• 3 drawers (588x277 mm)
with ball bearing slides:
1 drawer, 50 mm high
2 drawers, 70 mm high.
• Front centralized lock.
• Retractable side handles for ease of handling.

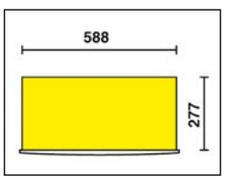
19 kg

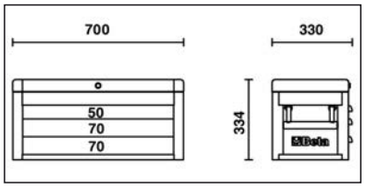
RSC22-O

RSC22-A

RSC22-R

| h | max |
|---|---|
| 50 mm | 25 kg |
| 70 mm | 25 kg |




| | | |
|---|---|---|
| RSC22-O | 1 | 022003001 |
| RSC22-R | 1 | 022003003 |
| RSC22-A | 1 | 022003007 |

## RSC23

portable tool chest
with 5 drawers

Main features:
• 5 drawers (588x277 mm)
with ball bearing slides:
2 drawers, 50 mm high
3 drawers, 70 mm high.
• Front centralized lock.
• Retractable side handles for ease of handling.

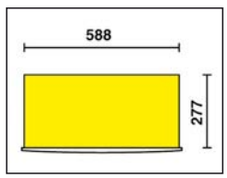
**26 kg**

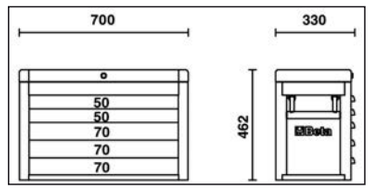
RSC23-A

RSC23-R

RSC23-O

| h | max |
|---|---|
| 50 mm | 25 kg |
| 70 mm | 25 kg |




| | | |
|---|---|---|
| **RSC23-O** | 1 | 023003001 |
| **RSC23-R** | 1 | 023003003 |
| **RSC23-A** | 1 | 023003007 |

## CD23S

Caddy trolley

Main features:
• ABS-coated worktop designed to match tool chests C22S, C23S, C23SC, C23ST
• Removable handle, can be stored underneath chassis.
• Four castors, Ø 100 mm: 2 fixed and 2 steering (one with brake).
• Maximum load capacity: 250 kg.

**14 kg**

| | | |
|---|---|---|
| **CD23S** | 1 | 023000610 |

## RSC23C

portable tool chest
with 8 drawers

Main features:
• 8 drawers (588x277 mm) with ball bearing slides:
4 drawers, 50 mm high
3 drawers, 70 mm high
1 drawer, 100 mm high.
• Front centralized lock.
• Retractable side handles for ease of handling.

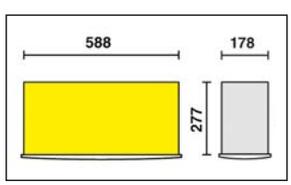
**28 kg**

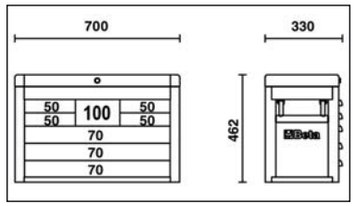
RSC23C-A

RSC23C-R

RCS23C-O

| h | max |
|---|---|
| 50 mm | 25 kg |
| 70 mm | 25 kg |




| | | |
|---|---|---|
| **RSC23C-O** | 1 | 023003011 |
| **RSC23C-R** | 1 | 023003013 |
| **RSC23C-A** | 1 | 023003017 |

## RSC23T

portable tool chest
with 5 drawers

Main features:
- 5 drawers (588x367 mm) with ball bearing slides: 5 drawers, 70 mm high.
- Front centralized lock.
- Can be fitted with kit of 4 castors and 1 handle (2300ST/KIT)

36 kg

RSC23T-A

RSC23T-B

RSC23T-G

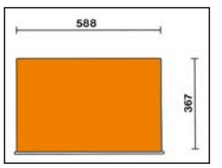
RSC23T-N

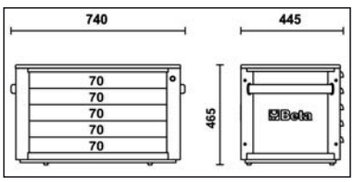
RSC23T-R

RSC23T-O

RSC23T-FO

| h | max |
|---|---|
| 70 mm | 25 kg |




| | | |
|---|---|---|
| RSC23T-FO | 1 | 023003020 |
| RSC23T-O | 1 | 023003021 |
| RSC23T-G | 1 | 023003022 |
| RSC23T-R | 1 | 023003023 |
| RSC23T-B | 1 | 023003026 |
| RSC23T-A | 1 | 023003027 |
| RSC23T-N | 1 | 023003029 |

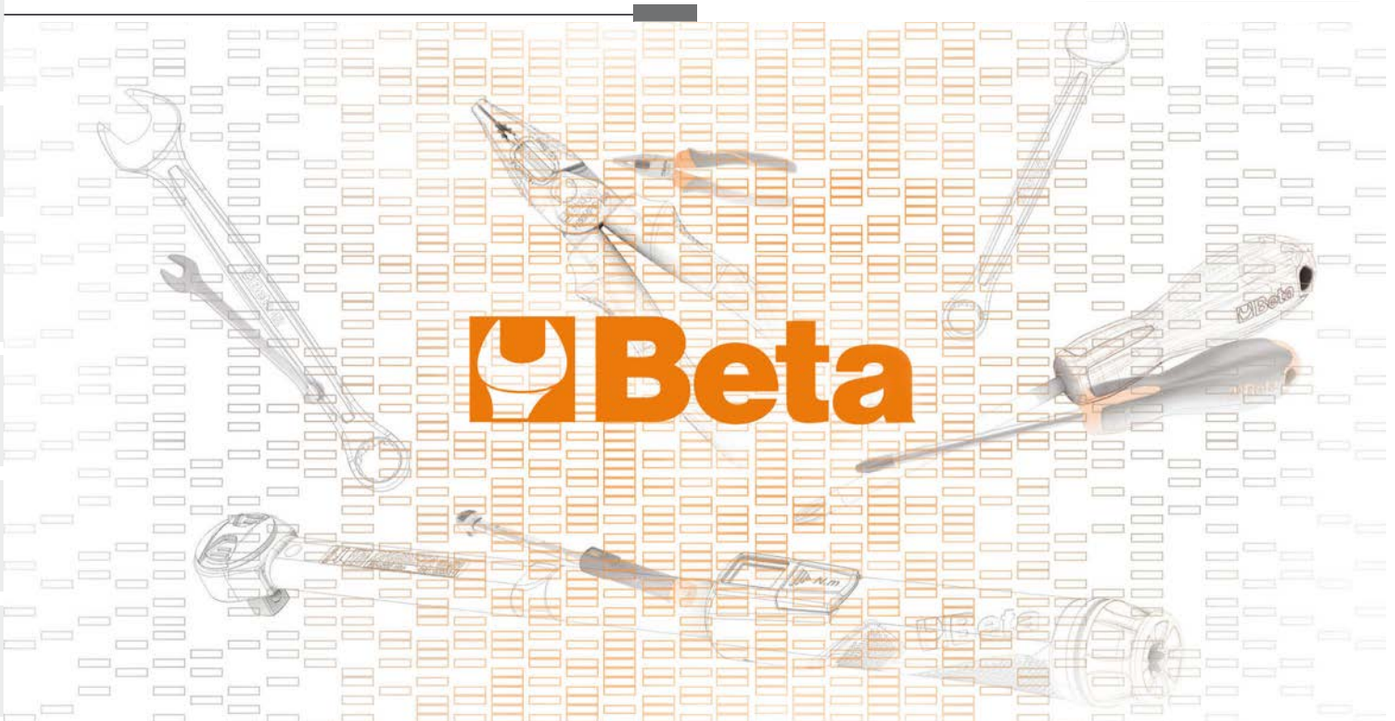
## 2300ST/KIT

kit with 4 castors and 1 handle for C23ST

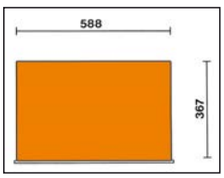
- Four castors, Ø 125 mm:
  2 fixed and 2 steering (one with brake).
- Telescopic handle

6,5 kg

| | | |
|---|---|---|
| 2300ST/KIT | 1 | 023000950 |



# MOBILE ROLLER CAB RSC24




800 kg

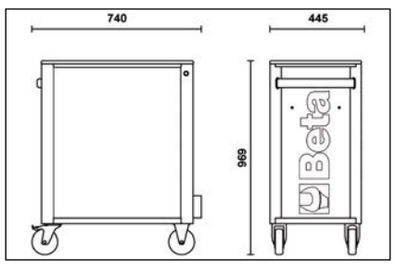
## NEW WORKTOP

**FIRMER AND STURDIER**
**MORE CONVENIENT**
**AND FUNCTIONAL**
**MORE MODERN**

- Drawers with ball bearing slides
- Drawer bases protected by foamed rubber mats
- Each drawer can accommodate up to 4 EVA foam or ABS thermoformed trays
- New ABS reinforced worktop, designed to support tool chests RSC22, RSC23, RSC23C and RSC23T
- Multi-purpose top with anti-fall edges and eight holes for accommodating screwdrivers
- Front centralized safety lock
- Four castors Ø 125 mm: 2 fixed and 2 steering (one with brake)
- Static load capacity: 800 kg

### Available colours:

| RSC24- | | |
|---|---|---|
| FO | RAL 2011 | RAL 2011 |
| O | RAL 7016 | RAL 2011 |
| G | RAL 7016 | RAL 9006 |
| R | RAL 7016 | RAL 3000 |
| B | RAL 7016 | RAL 5015 |
| A | RAL 7016 | RAL 7016 |
| N | RAL 9005 | RAL 9005 |




### Available models:

- **RSC24/5** (5 drawers)
- **RSC24/6** (6 drawers)
- **RSC24/7** (7 drawers)
- **RSC24/8** (8 drawers)

### Available accessories:

**2400 RSC24/PF**

**2400 RSC24/SPC**

**2400 RSC24/PL**

**2400 RSC24/PF-A**
**2400 RSC24/PF-N**

**2400 RSC24/PD-A**
**2400 RSC24/PD-N**

**5000MS**

**2400 RSC24/PC-A**
**2400 RSC24/PC-N**

## RSC24/7

mobile roller cab with 7 drawers

Main features:
• 7 fully removable drawers (588x367 mm), with ball bearing slides:
5 drawers, 70 mm high
1 drawer, 140 mm high
1 drawer, 210 mm high

63 kg

| | | |
|---|---|---|
| RSC24/7-FO | 1 | 024004070 |
| RSC24/7-O | 1 | 024004071 |
| RSC24/7-G | 1 | 024004072 |
| RSC24/7-R | 1 | 024004073 |
| RSC24/7-B | 1 | 024004076 |
| RSC24/7-A | 1 | 024004077 |
| RSC24/7-N | 1 | 024004079 |

800 kg

RSC24/7-O

RSC24/7-FO

RSC24/7-A

RSC24/7-B

RSC24/7-G

RSC24/7-N

RSC24/7-R

| h | max |
|---|---|
| 70 mm | 25 kg |
| 140 mm | 30 kg |
| 210 mm | 30 kg |

## RSC24/5

mobile roller cab with 5 drawers

Main features:
• 5 fully removable drawers (588x367 mm), with ball bearing slides:
2 drawers, 70 mm high
2 drawers, 140 mm high
1 drawer, 280 mm high

60 kg

| | | |
|---|---|---|
| RSC24/5-FO | 1 | 024004050 |
| RSC24/5-O | 1 | 024004051 |
| RSC24/5-G | 1 | 024004052 |
| RSC24/5-R | 1 | 024004053 |
| RSC24/5-B | 1 | 024004056 |
| RSC24/5-A | 1 | 024004057 |
| RSC24/5-N | 1 | 024004059 |

RSC24/5-O

| h | max |
|---|---|
| 70 mm | 25 kg |
| 140 mm | 30 kg |
| 280 mm | 35 kg |

## RSC24/6

mobile roller cab with 6 drawers

Main features:
• 6 fully removable drawers (588x367 mm), with ball bearing slides:
4 drawers, 70 mm high
1 drawer, 140 mm high
1 drawer, 280 mm high

62 kg

| | | |
|---|---|---|
| RSC24/6-FO | 1 | 024004060 |
| RSC24/6-O | 1 | 024004061 |
| RSC24/6-G | 1 | 024004062 |
| RSC24/6-R | 1 | 024004063 |
| RSC24/6-B | 1 | 024004066 |
| RSC24/6-A | 1 | 024004067 |
| RSC24/6-N | 1 | 024004069 |

RSC24/6-O

| h | max |
|---|---|
| 70 mm | 25 kg |
| 140 mm | 30 kg |
| 280 mm | 35 kg |

## RSC24/8

mobile roller cab with 8 drawers

Main features:
• 8 fully removable drawers (588x367 mm), with ball bearing slides:
6 drawers, 70 mm high
2 drawers, 140 mm high

66 kg

| | | |
|---|---|---|
| RSC24/8-FO | 1 | 024004080 |
| RSC24/8-O | 1 | 024004081 |
| RSC24/8-G | 1 | 024004082 |
| RSC24/8-R | 1 | 024004083 |
| RSC24/8-B | 1 | 024004086 |
| RSC24/8-A | 1 | 024004087 |
| RSC24/8-N | 1 | 024004089 |

RSC24/8-O

| h | max |
|---|---|
| 70 mm | 25 kg |
| 140 mm | 30 kg |

## RSC24A/6

mobile roller cab with 6 drawers,
with anti-tilt system

Main features:

• 6 fully removable drawers (588x367 mm), with ball bearing slides:
4 drawers, 70 mm high
1 drawer, 140 mm high
1 drawer, 280 mm high

62 kg

| | | |
|---|---|---|
| RSC24A/6-O | 1 | 024004161 |
| RSC24A/6-R | 1 | 024004163 |
| RSC24A/6-A | 1 | 024004167 |

RSC24A/6-O

RSC24A/6-A

RSC24A/6-R

| h | max |
|---|---|
| 70 mm | 25 kg |
| 140 mm | 30 kg |
| 280 mm | 35 kg |

## RSC24A/7

mobile roller cab with 7 drawers,
with anti-tilt system

Main features:

• 7 fully removable drawers (588x367 mm), with ball bearing slides:
5 drawers, 70 mm high
1 drawer, 140 mm high
1 drawer, 210 mm high.

63 kg

| | | |
|---|---|---|
| RSC24A/7-O | 1 | 024004171 |
| RSC24A/7-R | 1 | 024004173 |
| RSC24A/7-A | 1 | 024004177 |

RSC24A/7-O

RSC24A/7-A

RSC24A/7-R

| h | max |
|---|---|
| 70 mm | 25 kg |
| 140 mm | 30 kg |
| 210 mm | 30 kg |

## RSC24A/8

mobile roller cab with 8 drawers,
with anti-tilt system

Main features:

• 8 fully removable drawers (588x367 mm), with ball bearing slides:
6 drawers, 70 mm high
2 drawers, 140 mm high

66 kg

| | | |
|---|---|---|
| RSC24A/8-O | 1 | 024004181 |
| RSC24A/8-R | 1 | 024004183 |
| RSC24A/8-A | 1 | 024004187 |

RSC24A/8-O

RSC24A/8-A

RSC24A/8-R

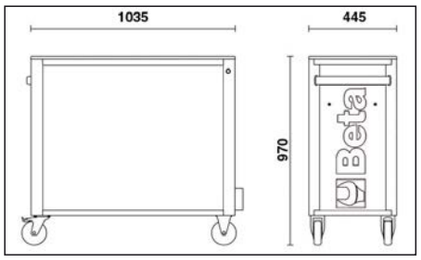
| h | max |
|---|---|
| 70 mm | 25 kg |
| 140 mm | 30 kg |

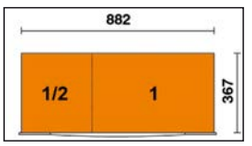
# MOBILE ROLLER CAB RSC24AXL

## LONG VERSION:
**each drawer can accommodate up to 6 EVA foam or ABS thermoformed trays**

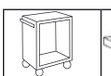
### ANTI-TILT SYSTEM: PREVENTS SEVERAL DRAWERS FROM BEING SIMULTANEOUSLY OPENED

- Drawers with ball bearing slides
- New ABS reinforced worktop with anti-fall edges, eight holes for accommodating screwdrivers and 6 tote trays.
- Sturdy nylon front, with built-in label holder
- Four castors Ø 125 mm: 2 fixed and 2 steering (one with brake)
- Static load capacity: 1000 kg
- Drawer bases protected by foamed rubber mats
- Integrated side bottle holder
- Front centralized safety lock






**Available colours:**

| | | |
|---|---|---|
| |  | |
| O | RAL 7016 | RAL 2011 |
| G | RAL 7016 | RAL 7016 |
| R | RAL 7016 | RAL 3000 |

**Available accessories:**

## RSC24AXL/7

mobile roller cab with 7 drawers,
with anti-tilt system,
long model

Main features:
• 7 fully removable drawers (882x367 mm), with ball bearing slides:
5 drawers, 70 mm high
1 drawer, 140 mm high
1 drawer, 210 mm high

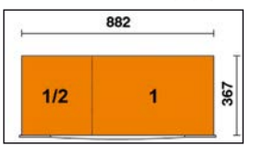
84 kg

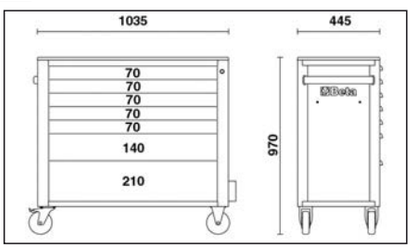
RSC24AXL/7-O

RSC24AXL/7-A

RSC24AXL/7-R

| h | max |
|---|---|
| 70 mm | 30 kg |
| 140 mm | 35 kg |
| 210 mm | 35 kg |




| | | |
|---|---|---|
| RSC24AXL/7-O | 1 | 024004271 |
| RSC24AXL/7-R | 1 | 024004273 |
| RSC24AXL/7-A | 1 | 024004277 |

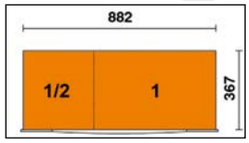
## RSC24AXL/8

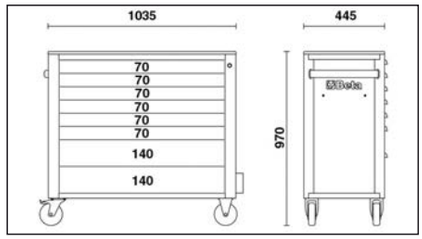
mobile roller cab with 8 drawers,
with anti-tilt system,
long model

Main features:
• 8 fully removable drawers (882x367 mm), with ball bearing slides:
6 drawers, 70 mm high.
2 drawers, 140 mm high.

88 kg

| h | max |
|---|---|
| 70 mm | 30 kg |
| 140 mm | 35 kg |




| | | |
|---|---|---|
| **RSC24AXL/8-O** | 1 | 024004281 |
| **RSC24AXL/8-R** | 1 | 024004283 |
| **RSC24AXL/8-A** | 1 | 024004287 |

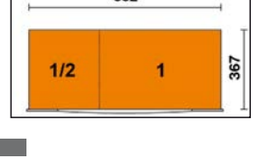
## RSC24AXL/9

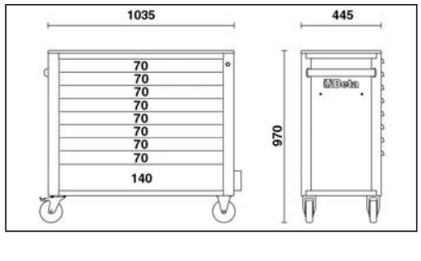
mobile roller cab with 9 drawers,
with anti-tilt system,
long model

Main features:
• 9 fully removable drawers (882x367 mm), with ball bearing slides:
8 drawers, 70 mm high
1 drawer, 140 mm high.

90 kg

| h | max |
|---|---|
| 70 mm | 30 kg |
| 140 mm | 35 kg |




| | | |
|---|---|---|
| **RSC24AXL/9-O** | 1 | 024004291 |
| **RSC24AXL/9-R** | 1 | 024004293 |
| **RSC24AXL/9-A** | 1 | 024004297 |

## 2400 RSC24/PC

paper roll holder for mobile roller cab RSC24

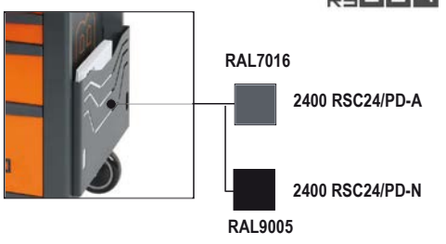
0,3 kg

| | | |
|---|---|---|
| 2400 RSC24/PC-A | 1 | 024004903 |
| 2400 RSC24/PC-N | 1 | 024004904 |

## 2400 RSC24/PD

document holder for mobile roller cab RSC24

1,2 kg

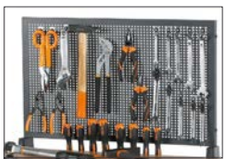



| | | |
|---|---|---|
| 2400 RSC24/PD-A | 1 | 024004907 |
| 2400 RSC24/PD-N | 1 | 024004908 |

## 2400 RSC24/PF

perforated tool panel with supports, for roller cab RSC24

2,3 kg



| | | |
|---|---|---|
| 2400 RSC24/PF | 1 | 024004902 |

## 2400 RSC24/PF-

bottle holder for mobile roller cab RSC24

0,5 kg

| | | |
|---|---|---|
| 2400 RSC24/PF-A | 1 | 024004905 |
| 2400 RSC24/PF-N | 1 | 024004906 |

## 2400 RSC24/PL

wood worktop for roller cab RSC24

4,3 kg

| | | |
|---|---|---|
| 2400 RSC24/PL | 1 | 024004901 |

## 2400 RSC24/SPC

computer bracket for mobile roller cab RSC24

- With removable drawer
- Cannot be used with model RSC24AXL

3,1 kg

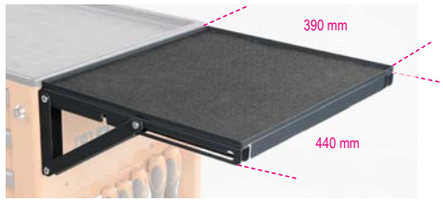
| | | |
|---|---|---|
| 2400 RSC24/SPC | 1 | 024004909 |

## 5000MS

folding shelf for items RSC24 - RSC24A - C50S

- For use as additional worktop
- Worktop dimensions: 390x440 mm, protected by an anti-oil and anti-petrol rubber mat
- Load capacity: 20 kg.

3,4 kg



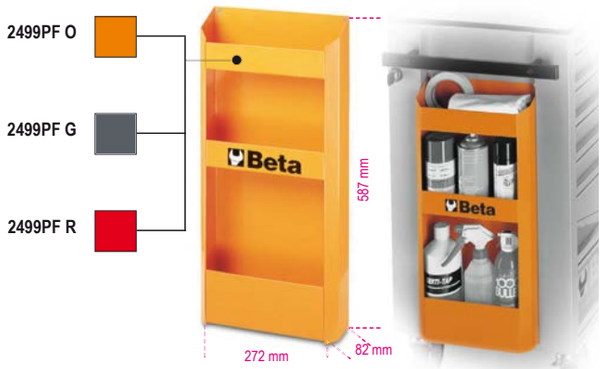

| | | |
|---|---|---|
| 5000MS | 1 | 050000901 |

## 2499PF

bottle holder

- Can match roller cabs C38, C38A

2,5 kg




| | | |
|---|---|---|
| 2499PF-O | 1 | 024990210 |
| 2499PF-G | 1 | 024990219 |
| 2499PF-R | 1 | 024990230 |

## 2499PF/M

universal magnetic bottle holder

2,2 kg

| | | |
|---|---|---|
| 2499PF/M | 1 | 024990050 |

## 2499PC

paper roll holder

- Matches Tank trolleys C25 and cabs C38.

2,2 kg

| | | |
|---|---|---|
| 2499PC | 1 | 024990090 |

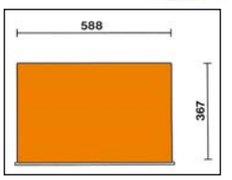
## RSC24L/7

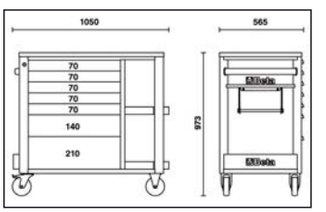
mobile roller cab
with 7 drawers
and side shelves

Main features:
• 7 drawers (588x367 mm)
with ball bearing slides:
5 drawers, 70 mm high
1 drawer, 140 mm high
1 drawer, 210 mm high.
• Drawer bases protected by foamed rubber mats.
• 4 castors, Ø 125 mm:
2 fixed and 2 steering with brakes.
• Front centralized lock.
• Static load capacity: 1,100 kg.
• Multi-ply wood worktop with holes
for a vice
(1599F/100, to be ordered separately).
• Side compartment with vertically adjustable shelf.
• Built-in paper roll holder.
• Double rear bottle holder.

80 kg

| h | max |
|---|---|
| 70 mm | 25 kg |
| 140 mm | 30 kg |
| 210 mm | 30 kg |




| | | |
|---|---|---|
| RSC24L/7-O | 1 | 024004371 |
| RSC24L/7-R | 1 | 024004373 |
| RSC24L/7-A | 1 | 024004377 |

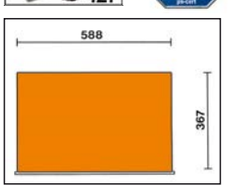
## RSC24L-CAB

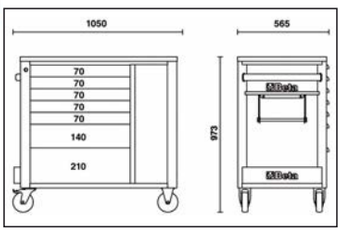
mobile roller cab
with 7 drawers
and tool cabinet

Main features:
• 7 drawers (588x367 mm)
with ball bearing slides:
5 drawers, 70 mm high
1 drawer, 140 mm high
1 drawer, 210 mm high.
• Drawer bases protected by foamed rubber mats.
• 4 castors, Ø 125 mm:
2 fixed and 2 steering with brakes.
• Front centralized lock.
• Side tool cabinet with lockable door and vertically adjustable interior shelf.
• Static load capacity: 1,100 kg.
• Multi-ply wood worktop with holes
for a vice
(1599F/100, to be ordered separately).
• Built-in paper roll holder.
• Double rear bottle holder.

82 kg

| h | max |
|---|---|
| 70 mm | 25 kg |
| 140 mm | 30 kg |
| 210 mm | 30 kg |



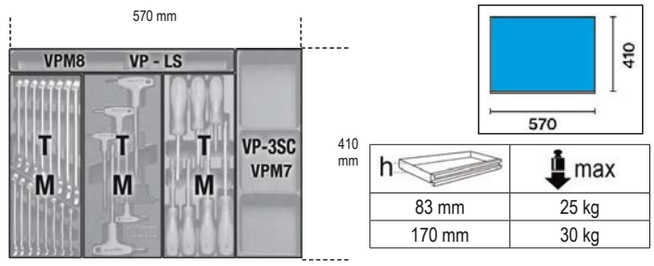

| | | |
|---|---|---|
| RSC24L-CAB/O | 1 | 024004471 |
| RSC24L-CAB/R | 1 | 024004473 |
| RSC24L-CAB/A | 1 | 024004477 |

## C04TSS-7

mobile roller cab with seven drawers, made entirely of stainless steel, Non-marking wheels

Main features:
• Seven drawers (570 x 410 mm) with ball bearing slides;
6 drawers, 83 mm high;
1 drawer, 170 mm high;
• 4 castors Ø 125 mm
2 fixed and 2 steering (two with brakes);
• Front centralized lock;
• Frame made entirely of stainless steel AISI 304
• Castors, supports, ball bearings, drawer interiors and guides made of stainless steel
• Drawer handles made of aluminium

63 kg



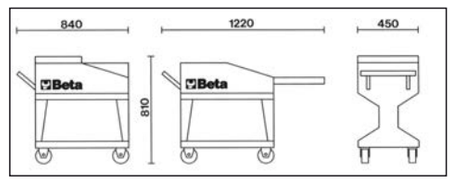

| | | | |
|---|---|---|---|
| C04TSS/7 | 1 | 024003077 | 296 |

## C25

Tank trolley with shelf

Main features:
• Foldaway lid.
• 1 sliding drawer.
• Tool tray protected by foamed rubber mats.
• Shelves protected by oil and fuel proof mats.
• Four castors 100 mm in ø:
2 fixed and 2 swivelling (one with brake).
• Safety lock.
• One more shelf M4 can be added on the opposite side.
• Empty thermoformed tray for 1/2" sockets and accessories (024990104).
• Paper roll holder item 2499PC can also be included

31,5 kg




| | | | |
|---|---|---|---|
| C25 | 1 | 025000001 | |

# C27S

folding tool trolley for outdoor jobs

Folding tool trolley. Its unique patented design guarantees an effortless transport.
- 2 drawers, 588x277 mm, with ball bearing slides for two-way opening.
- Large lower object compartment, 588x277x220 mm.
- Sheet metal frame.
- 2 fixed castors, Ø 160 mm, and 2 steering castors with brake, Ø 100 mm
- Thermoplastic worktop with 6 built-in tool trays.
- Centralized lock.
- Can accommodate drawer partitions and MC foam tool trays

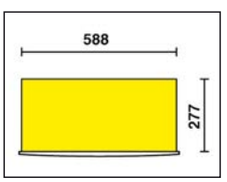
20 kg

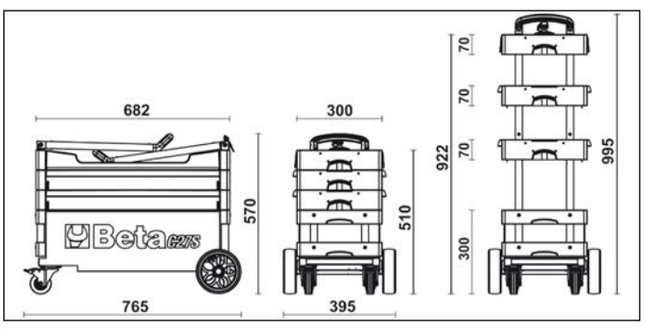
C27S-O

C27S-G

C27S-R

| h | max |
|---|---|
| 70 mm | 20 kg |




| | | |
|---|---|---|
| C27S-O | 1 | 027000201 |
| C27S-G | 1 | 027000202 |
| C27S-R | 1 | 027000203 |

# RSC28

SuperTank trolley with wood worktop
and 10 drawers

Main features:
• 10 drawers (588x367 mm) with ball bearing slides.
• Quick, safe system for opening and closing drawers, with nylon and fibreglass front.
• 5 side drawers:
4 drawers, 70 mm high
1 drawer, 210 mm high.
• 5 front drawers:
4 drawers, 70 mm high
1 drawer, 210 mm high.
• Drawer bases protected by foamed rubber mats.
• 4 high-capacity castors, Ø 150 mm:
2 fixed and 2 steering with brakes.
• 2 centralized safety locks.
• 3 front tool drawers.
• Multi-ply wood worktop with holes
for a vice
(1599F/150, to be ordered separately).
• Built-in tool compartment.
• Side compartment with foldaway door with lock.
• Built-in bottle holders.
• 135-mm-high storage compartment with plastic-covered base.
• Static load capacity: 1,200 kg.

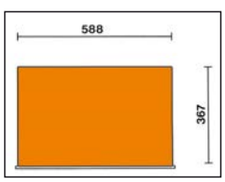
130 kg

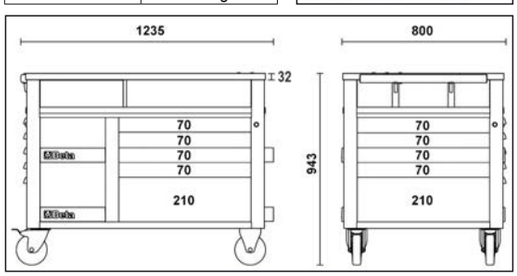
RSC28-O

RSC28-A

RSC28-R

| h | max |
|---|---|
| 70 mm | 25 kg |
| 210 mm | 30 kg |




| | | |
|---|---|---|
| **RSC28-O** | 1 | 028003001 |
| **RSC28-R** | 1 | 028003003 |
| **RSC28-A** | 1 | 028003007 |

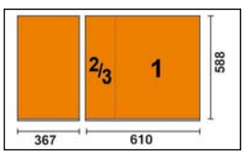
## C30M

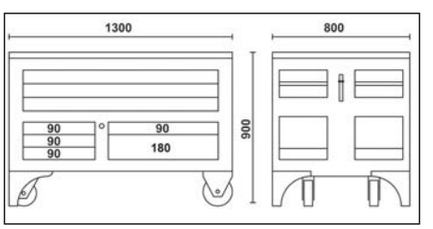
MaxiTank mobile workbench

Main features:
• 5 front drawers with ball bearing slides:
3 drawers (367x610 mm), 90 mm high
1 drawer (588x610 mm), 90 mm high
1 drawer (588x610 mm), 180 mm high.
• Quick opening system with aluminium front.
• Drawer bases protected by foamed rubber mats.
• Can be fitted with thermoformed trays.
• One hydraulic jack, designed to lift front part effortlessly, thus allowing easy transportation.
• 4 high-capacity castors:
2 steering, front, Ø 150 mm
2 fixed, rear, Ø 170 mm.
• Oil-proof, rubber-coated worktop,
1300x800 mm, with drain hole
for fluid collection in a small tank.
• Storage compartment, 720x250x1300 mm,
with PVC-coated worktop
and front sliding panels.
• Centralized lock for drawers and panels.
• 3 built-in side bottle holders.
• Built-in paper roll holder
• Static load capacity: 1,800 kg.
• Can accommodate a multi-ply wood worktop (3000M/PLM), to be ordered separately
• Can accommodate vice 1599F/150 (to be ordered separately).

200 kg

| h | max |
|---|---|
| 90 mm | 30 kg |
| 180 mm | 35 kg |




| | | | |
|---|---|---|---|
| C30M | 1 | 030000300 | |

## 3000M/PLM

wood worktop for C30M,
with holes for a vice (1599F/150)

10 kg

1240x740x26 mm

| | | | |
|---|---|---|---|
| 3000M/PLM | 1 | 030000350 | |

# FUNCTIONAL AND STURDY

- Pull-out drawers
- Front centralized safety lock
- Can accommodate a worktop and drawer partitions, to be ordered separately
- Static load capacity: 1200 kg

**Available models:**

- **C35/6** (6 drawers)
- **C35/7** (7 drawers)
- **C35/8** (8 drawers)
- **C35/9** (9 drawers)

**Available accessories:**

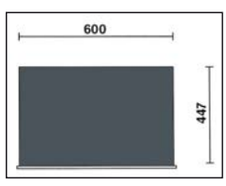
## C35/6G

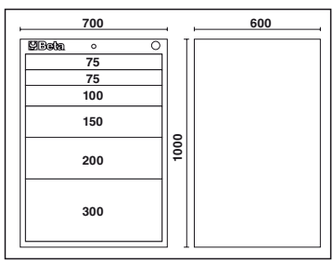
industrial tool chest with six drawers

Main features:
- Six pull-out drawers (600x447 mm):
2 drawers, 75 mm high
1 drawer, 100 mm high
1 drawer, 150 mm high
1 drawer, 200 mm high
1 drawer, 300mm high
- Front centralized safety lock.
- Can accommodate an ABS worktop and drawer partitions, to be ordered separately.

73,5 kg

| h | max |
|---|---|
| 75 mm | 70 kg |
| 100 mm | 70 kg |
| 150 mm | 70 kg |
| 200 mm | 70 kg |
| 300 mm | 70 kg |




| | | |
|---|---|---|
| C35/6G | 1 | 035000062 |

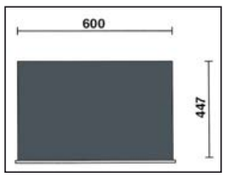
## C35/7G

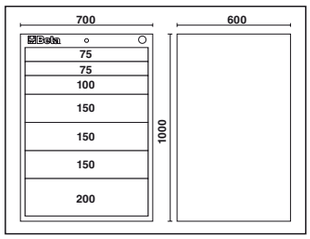
industrial tool chest with seven drawers

Main features:
• Seven pull-out drawers (600x447 mm):
2 drawers, 75 mm high
1 drawer, 100 mm high
3 drawers, 150 mm high
1 drawer, 200 mm high
• Front centralized safety lock.
• Can accommodate an ABS worktop and drawer partitions, to be ordered separately.

77 kg

| h | max |
|---|---|
| 75 mm | 70 kg |
| 100 mm | 70 kg |
| 150 mm | 70 kg |
| 200 mm | 70 kg |




| | | | |
|---|---|---|---|
| C35/7G | | 1 | 035000072 |

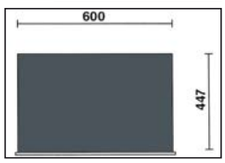
## C35/8G

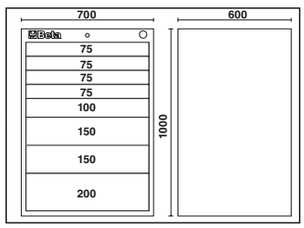
industrial tool chest with eight drawers

Main features:
• Eight pull-out drawers (600x447 mm):
4 drawers, 75 mm high
1 drawer, 100 mm high
2 drawers, 150 mm high
1 drawer, 200 mm high
• Front centralized safety lock.
• Can accommodate an ABS worktop and drawer partitions, to be ordered separately.

80,5 kg

| h | max |
|---|---|
| 75 mm | 70 kg |
| 100 mm | 70 kg |
| 150 mm | 70 kg |
| 200 mm | 70 kg |




| | | | |
|---|---|---|---|
| C35/8G | | 1 | 035000082 |

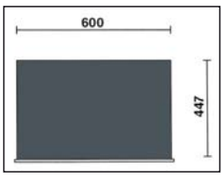
## C35/9G

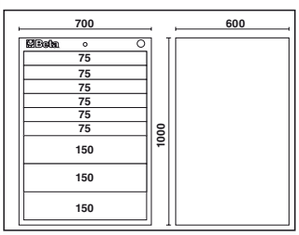
industrial tool chest with nine drawers

Main features:
• Nine pull-out drawers (600x447 mm):
6 drawers, 75 mm high
3 drawers, 150 mm high
• Front centralized safety lock.
• Can accommodate an ABS worktop and drawer partitions, to be ordered separately.

84 kg

| h | max |
|---|---|
| 75 mm | 70 kg |
| 150 mm | 70 kg |




| | | | |
|---|---|---|---|
| C35/9G | | 1 | 035000092 |

## 3500/P

Worktop with edge for tool cest C35

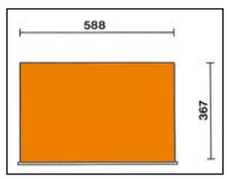
| | | | |
|---|---|---|---|
| 3500/P | 700x600 mm | 1 | 035000502 |

## SOFT BUMPERS

- Drawers with ball bearing slides
- Sturdy multi-purpose worktop
- Quick release system made of aluminium, opening throughout length of drawer
- Tote-trays and holes for accommodating screwdrivers
- Four castors Ø 125 mm: 2 fixed and 2 steering (one with brake)
- Static load capacity: 1000 kg
- Corner bumpers throughout height of roller cab, to avoid damaging vehicles in garage
- Drawer bases protected by foamed rubber mats
- Front centralized safety lock
- Built-in side bottle and paper holders, adjustable in several positions

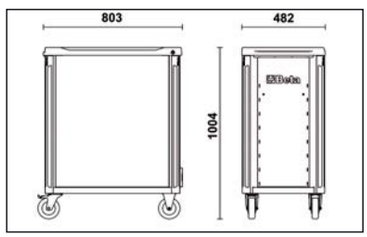
**Available models:**

- C37/6 (6 drawers)
- C37/7 (7 drawers)
- C37/8 (8 drawers)
- C37A/7 (7 drawers with anti-tilt system)

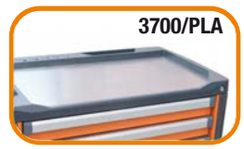


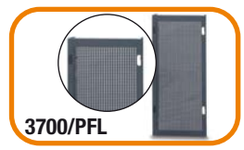

**Available colours:**

| | |
|---|---|
| O | RAL 2011 |
| G | RAL 7016 |
| R | RAL 3000 |




**Available accessories:**





## C37/7

mobile roller cab
with 7 drawers

Main features:
• 7 drawers (588x367 mm) with ball bearing slides:
5 drawers 75 mm high
1 drawer 150 mm high
1 drawer 225 mm high

C37/7-O

C37/7-G

C37/7-R

71 kg

| | | |
|---|---|---|
| C37/7-O | 1 | 037000071 |
| C37/7-G | 1 | 037000072 |
| C37/7-R | 1 | 037000073 |

| h | max |
|---|---|
| 75 mm | 30 kg |
| 150 mm | 35 kg |
| 225 mm | 35 kg |

## C37/6

mobile roller cab
with 6 drawers

Main features:
• 6 drawers (588x367 mm) with ball bearing slides:
4 drawers 75 mm high
1 drawer 150 mm high
1 drawer 305 mm high

69 kg

| | | |
|---|---|---|
| C37/6-O | 1 | 037000061 |
| C37/6-G | 1 | 037000062 |
| C37/6-R | 1 | 037000063 |

| h | max |
|---|---|
| 75 mm | 30 kg |
| 150 mm | 35 kg |
| 305 mm | 40 kg |

## C37/8

mobile roller cab
with 8 drawers

Main features:
• 8 drawers (588x367 mm) with ball bearing slides:
6 drawers 75 mm high
2 drawers 150 mm high

73 kg

| | | |
|---|---|---|
| C37/8-O | 1 | 037000081 |
| C37/8-G | 1 | 037000082 |
| C37/8-R | 1 | 037000083 |

| h | max |
|---|---|
| 75 mm | 30 kg |

## C37A/7

mobile roller cab
with 7 drawers, with anti-tilt system

Main features:
• 7 drawers (588x367 mm), with ball bearing slides:
5 drawers 75 mm high
1 drawer 150 mm high
1 drawer 225 mm high

71 kg

| | | |
|---|---|---|
| C37A/7-O | 1 | 037000271 |
| C37A/7-G | 1 | 037000272 |
| C37A/7-R | 1 | 037000273 |

| h | max |
|---|---|
| 75 mm | 30 kg |
| 150 mm | 35 kg |
| 225 mm | 35 kg |

## 3700/PLA

stainless steel worktop for mobile roller cab item C37

2,8 kg

| | | |
|---|---|---|
| 3700/PLA | 1 | 037000100 |

## 3700/PLL

wood worktop for mobile roller cab item C37

3,9 kg

672x396x28 mm

| | | |
|---|---|---|
| 3700/PLL | 1 | 037000101 |

## 3700/PF

perforated panel with brackets for mobile roller cab item C37

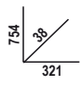
3,2 kg

| | | |
|---|---|---|
| 3700/PF | 1 | 037000102 |

## 3700/PFL

perforated side panel for mobile roller cab item C37

1,9 kg



| | | |
|---|---|---|
| 3700/PFL | 1 | 037000104 |

## 3700/PC

computer bracket for mobile roller cab item C37

3,1 kg

| | | |
|---|---|---|
| 3700/PC | 1 | 037000103 |

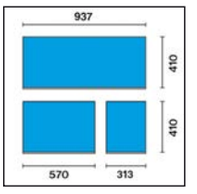
## C38

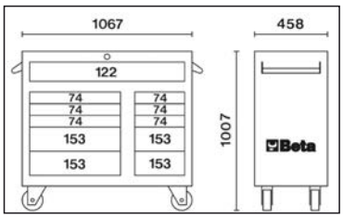
mobile roller cab
with eleven drawers

Main features:
• Eleven drawers with ball bearing slides:
• 1 drawer 937x410x122 mm
3 drawers 570x410x74 mm
2 drawers 570x410x153 mm
3 drawers 313x410x74 mm
2 drawers 313x410x153 mm.
• Drawer bases protected by foamed rubber mats.
• Static load capacity: 1200 kg.
• 4 high-capacity castors: Ø 125 mm:
2 fixed and 2 steering (both with lever brake).
• Front centralized lock.
• Sheet metal worktop covered by a rubber mat.
• Can be fitted with paper roll holder item 2499PC
and bottle holder item 2499PF.

114 kg

| h | max |
|---|---|
| 74 mm | 25 kg |
| 153 mm | 30 kg |




| | | |
|---|---|---|
| C38-O | 1 | 038000001 |
| C38-G | 1 | 038000003 |
| C38-R | 1 | 038000002 |

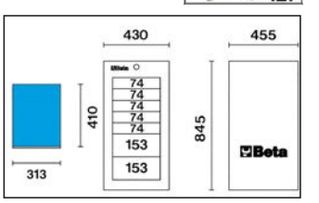
## C38L

side cab with 7 drawers

Main features:
• 7 drawers (410x313 mm), with ball bearing slides:
5 drawers, 74 mm high 2 drawers, 153 mm high.
• Drawer bases protected by foamed rubber mats.
• Front centralized safety lock.
• Antislip aluminium worktop.
• Can be hooked to both sides of roller cab C38.

45 kg

| h | max |
|---|---|
| 74 mm | 25 kg |
| 153 mm | 30 kg |



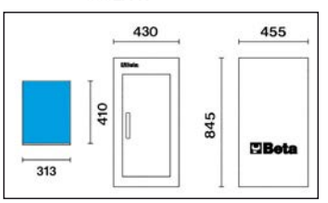

| | | |
|---|---|---|
| C38L-O | 1 | 038000081 |
| C38L-G | 1 | 038000083 |
| C38L-R | 1 | 038000082 |

## C38L A

side module with door
and interior shelf

Main features:
• Front lock.
• Vertically adjustable interior shelf.
• Document pocket inside door.
• Nonslip aluminium worktop.
• Can be hooked to both sides of mobile roller cab C38.

18 kg




| | | |
|---|---|---|
| C38LA O | 1 | 038000071 |
| C38LA G | 1 | 038000073 |
| C38LA R | 1 | 038000072 |

## C38C

mobile roller cab
with thirty three drawers,
comprising:
• 1 mobile roller cab C38
• 2 side cabs C38L
• 1 cab C38T with top chest

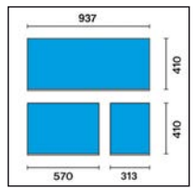
268 kg

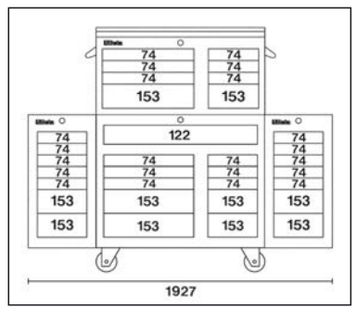
C38C-O

C38C-G

C38C-R

| h | max |
|---|---|
| 74 mm | 25 kg |
| 153 mm | 30 kg |




| | | |
|---|---|---|
| **C38C-O** | 1 | 038000201 |
| **C38C-G** | 1 | 038000203 |
| **C38C-R** | 1 | 038000202 |

## C38T

top cab
with 8 drawers and tool compartment

Main features:
• 8 drawers with ball bearing slides:
3 drawers 570x410x74 mm
1 drawer 570x410x153 mm
3 drawers 313x410x74 mm
1 drawer 313x410x153 mm.
• Tool compartment.
• Drawer bases protected by foamed rubber mats.
• Front centralized safety lock.
• Can be placed on worktop or mobile roller cab C38.

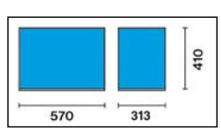
64 kg

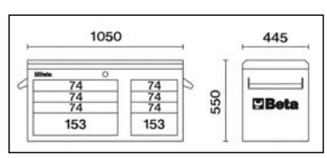
C38T-O

C38T-G

C38T-R

| h | max |
|---|---|
| 74 mm | 25 kg |
| 153 mm | 30 kg |




| | | |
|---|---|---|
| **C38T- O** | 1 | 038000091 |
| **C38T- G** | 1 | 038000093 |
| **C38T- R** | 1 | 038000092 |

# MOBILE ROLLER CAB C39

## UPRIGHTS AND DRAWER FRONT MADE OF ALUMINIUM ALLOY + STURDINESS + LIGHTWEIGHTNESS

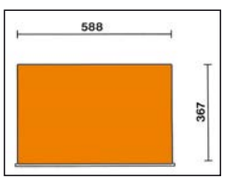
- Drawers with ball bearing slides
- Thermoplastic worktop, designed to support portable tool chest C39T
- Quick release system made of aluminium, opening throughout length of drawer
- Four castors Ø 125 mm: 2 fixed and 2 steering (one with brake)
- Static load capacity: 1200 kg
- Drawer bases protected by foamed rubber mats
- Front centralized safety lock
- Tote-trays and holes for accommodating screwdrivers
- Integrated side and rear bottle holders
- Integrated paper roll holder

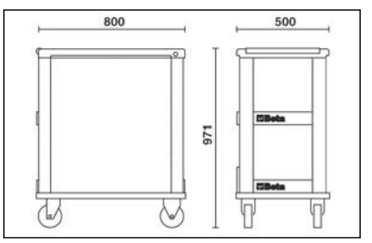
### Available models:

- C39/6 (6 drawers)
- C39/7 (7 drawers)
- C39/8 (8 drawers)

### Available colours:

| | |
|---|---|
| O | RAL 2011 |
| G | RAL 7016 |
| R | RAL 3000 |




## C39/7

roller cab
with seven drawers

Main features:
• Seven drawers (588x367 mm) with ball bearing slides:
5 drawers, 70 mm high
1 drawer, 140 mm high
1 drawer, 210 mm high.

61 kg

C39-7/O

C39-7/G

C39-7/R

| h | max |
|---|---|
| 70 mm | 30 kg |
| 140 mm | 35 kg |
| 210 mm | 35 kg |

| | | |
|---|---|---|
| C39-7/O | 1 | 039000001 |
| C39-7/G | 1 | 039000002 |
| C39-7/R | 1 | 039000003 |

## C39/6

mobile roller cab with six drawers

Main features:
• Six drawers (588x367 mm) with ball bearing slides:
4 drawers, 70 mm high
1 drawer, 140 mm high
1 drawer, 280 mm high

59 kg

| | | |
|---|---|---|
| C39-6/O | 1 | 039000031 |
| C39-6/G | 1 | 039000032 |
| C39-6/R | 1 | 039000033 |

| h | max |
|---|---|
| 70 mm | 30 kg |
| 140 mm | 35 kg |
| 280 mm | 40 kg |

## C39/8

mobile roller cab with eight drawers

Main features:
• Eight drawers (588x367 mm) with ball bearing slides:
6 drawers, 70 mm high
2 drawers, 140 mm high

64 kg

| | | |
|---|---|---|
| C39-8/O | 1 | 039000041 |
| C39-8/G | 1 | 039000042 |
| C39-8/R | 1 | 039000043 |

| h | max |
|---|---|
| 70 mm | 30 kg |

## C39T

portable tool chest
with four drawers

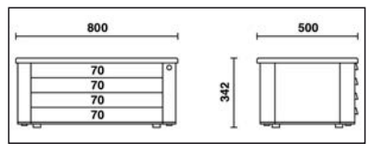
Main features:
• Four drawers (588x367 mm) with ball bearing slides:
4 drawers, 70 mm high
• Front centralized safety lock.
• Uprights and drawer front made of aluminium.

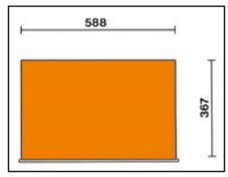
29 kg

| | | |
|---|---|---|
| C39T-O | 1 | 039000101 |
| C39T-G | 1 | 039000102 |
| C39T-R | 1 | 039000103 |

29 kg

| h | max |
|---|---|
| 70 mm | 30 kg |



## 2200-COVER RSC22
nylon cover for portable tool chest RSC22

| | | | |
|---|---|---|---|
| 2200-COVER RSC22 | | 1 | 022000910 |

## 2300-COVER RSC23
nylon cover for portable tool chest RSC23

| | | | |
|---|---|---|---|
| 2300-COVER RSC23 | | 1 | 023000920 |

## 2300-COVER RSC23T
nylon cover for portable tool chest RSC23T

| | | | |
|---|---|---|---|
| 2300-COVER RSC23T | | 1 | 023000930 |

## 2400-COVER RSC24
nylon cover for mobile roller cabs RSC24 - C39

| | | | |
|---|---|---|---|
| 2400-COVER RSC24 | | 1 | 024000910 |

## 2400-COVER RSC24AXL
nylon cover for mobile roller cabs RSC24AXL, RSC24L, RSC24L-CAB

| | | | |
|---|---|---|---|
| 2400-COVER RSC24AXL | | 1 | 024000930 |

## 3700-COVER C37
Nylon cover for mobile roller cab item C37

| | | | |
|---|---|---|---|
| 3700-COVER C37 | | 1 | 037000930 |

## 4100-COVER C41H
nylon cover for tool trolley item C41H

| | | | |
|---|---|---|---|
| 4100-COVER C41H | | 1 | 041000930 |

## C39SM

special mobile roller cab, Racing SM type

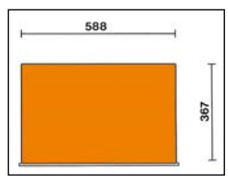
Specifications
• Multi-ply wood worktop
• 4 castors, Ø 125 mm
2 fixed and 2 steering (one with brake), with exposed covering
• Static load capacity: 1200 kg

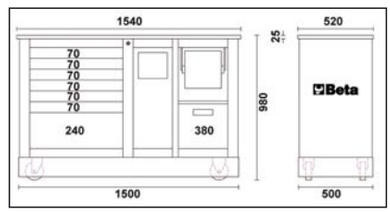
7-drawer module
588x367 mm, with ball bearing slides:
6 drawers, 70 mm high
1 drawer, 240 mm high
• Drawer bases protected by foamed rubber mats
• Front centralized safety lock
• Opening system throughout length of drawer
• Drawer front made of aluminium

Service module
• Integrated wastepaper basket
• Paper roll compartment
• 1 large drawer (420x305x270 mm)

125 kg

| h | max |
|---|---|
| 70 mm | 30 kg |
| 240 mm | 40 kg |




| | | | |
|---|---|---|---|
| **C39SM-O** | | 1 | 039390001 |
| **C39SM-G** | - | 1 | 039390002 |
| **C39SM-R** | | 1 | 039390003 |

## C39MD

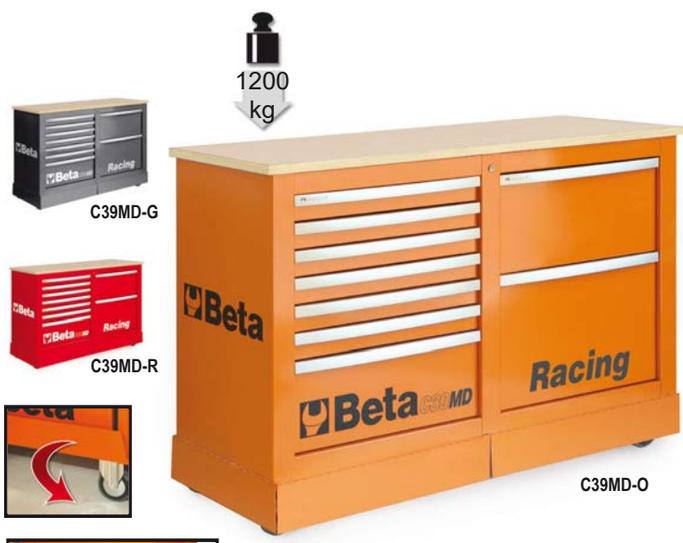
special mobile roller cab, Racing MD type

Specifications
• Multi-ply wood worktop
• 4 castors, Ø 125 mm
2 fixed and 2 steering (one with brake), with exposed covering
• Static load capacity: 1200 kg

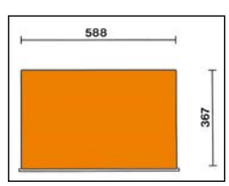
7-drawer module
588x367 mm, with ball bearing slides:
6 drawers, 70 mm high
1 drawer, 240 mm high
• Drawer bases protected by foamed rubber mats
• Front centralized safety lock
• Opening system throughout length of drawer
• Drawer front made of aluminium

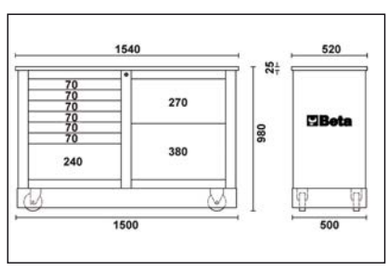
2-drawer module
588x367x270 mm and 588x367x380 mm, with ball bearing slides
• Drawer bases protected by foamed rubber mats
• Front centralized lock
• Opening system throughout length of drawers
• Drawer front made of aluminium

123 kg



| h | max |
|---|---|
| 70 mm | 30 kg |
| 240 mm | 40 kg |




| | | | |
|---|---|---|---|
| **C39MD-O** | | 1 | 039390101 |
| **C39MD-G** | | 1 | 039390102 |
| **C39MD-R** | | 1 | 039390103 |

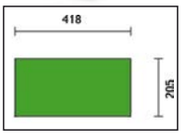
## C41S

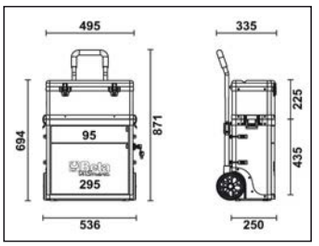
two-module tool trolley

Main features:
• Sheet metal frame and plastic tops, synonymous with remarkable sturdiness and reduced weight.
• 2 detachable modules:
1 upper tool box,
1 module with 2 drawers, 95 mm and 295 mm high respectively.
• Oversized castors (160 mm),
built into frame for easy transport - for example, on steps.
• Side centralized lock
for closing drawers of lower module.
• Drawers with ball bearing slides and double closing hook.
• Telescopic aluminium handle.
• Small tool holder built into upper tool box.
• Lower drawer with double ballbearing slide

Recommended assortments: 5940/SBK and 5915VU/5

16 kg




| | | |
|---|---|---|
| C41S | 1 | 041000001 |

## C41H

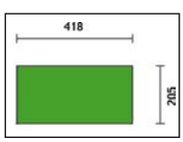
two-module tool trolley

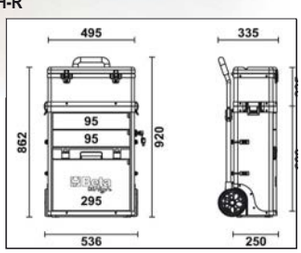
Main features:
• Sheet metal frame and plastic tops, synonymous with remarkable sturdiness and reduced weight.
• 2 detachable modules:
1 upper tool box,
1 module with 2 drawers 95 mm in height,
1 pull-out case made of plastic, 66 mm high, and 1 drawer 295 mm in height.
• Oversized castors (160 mm), built into frame for easy transport - for example, on steps.
• Side centralized lock for closing drawers of lower module.
• Drawers with ball bearing slides and double closing hook.
• Telescopic aluminium handle.
• Small tool holder built into upper tool box.
• Lower drawer with double ballbearing slide

• Recommended assortments: 5941VU/M, 5940/SBK and 5915VU/5
* Colours available on request

21 kg

C41H-O




| | | | |
|---|---|---|---|
| C41H-O | RAL 2011 | 1 | 041000002 |
| C41H-N | RAL 9005 | 1 | 041000005 |
| C41H-B | RAL 5002 | 1 | 041000006 |
| C41H-R | RAL 3000 | 1 | 041000008 |
| C41H-G | RAL 7016 | 1 | 041000010 |
| C41H-Y | RAL 1023 | 1 | 041000012 |
| C41H-W | RAL 9016 | 1 | 041000021 |
| C41H-V | RAL 6016 | 1 | 041000024 |

## C41H/CE

tool chest
with removable partitions for small tools,
made from plastic material

1,3 kg

| | | |
|---|---|---|
| C41H/CE | 1 | 041000916 |

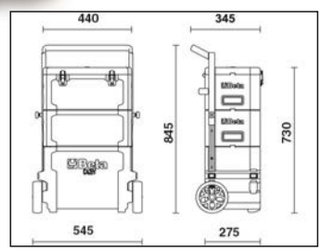
## C42H

three-module tool trolley

Main features:
• Sheet metal frame and plastic tops, synonymous with remarkable sturdiness and reduced weight.
• 3 detachable modules:
1 upper tool box, 220 mm high
1 central tool module, 180 mm high.
1 lower tool module with castors, 330 mm high.
• Oversized castors (ø 160 mm).
• Telescopic handle, can be adjusted in 3 positions
• Quick module release system: easy, quick access to all tool compartments.
• Upper tool box with interior object compartment and 3 tool trays built into cover.
• Can be used with 2 modules.

Recommended assortments: 5940/SBK and 5915VU/5

14 kg



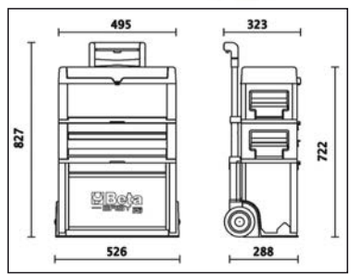

| | | |
|---|---|---|
| C42H | 1 | 042000002 |

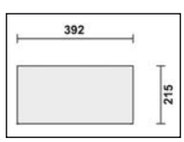
## C43

three-module tool trolley

Main features:
• Sheet metal frames and plastic tops
• 3 detachable modules:
1 upper tool box, 222 mm high
1 central module, 168 mm high, with 2 drawers, 60 mm high
1 lower module, 332 mm high, with up-and-over door, 280 mm high, with castors
• Castors ø 128 mm
• Telescopic handle, can be adjusted in 4 positions
• Module release system with access to all tool compartments
• Upper tool box with removable interior object compartment and 2 tote-trays built into cover

15,5 kg




| | | |
|---|---|---|
| C43 | 1 | 043000003 |

## CX49-G

multi-purpose trolley

can be used as a mobile workstation for diagnostic tools, laptops, testers and battery chargers.

**Specifications:**
- Painted sheet metal frame: unparalleled firmness and sturdiness
- Ergonomic handle
- 2-level top
- Pull-out drawer for housing a mini keyboard
- 2 central shelves with adjustable position and 1 fixed low shelf
- 4 useful side cable reels made of plastic - 2 useful side containers
- 2 fixed rear castors Ø 160 mm
- 2 steering front castors Ø 100 mm (one with brake)
- Weight: 43 kg

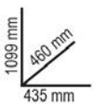
| | | |
|---|---|---|
| **CX49** | 1 | 049000102 |

## CA49-G

multi-purpose trolley with door

can be used as a mobile workstation for diagnostic tools, laptops, testers and battery chargers.

**Specifications:**
- Painted sheet metal frame: unparalleled firmness and sturdiness
- Ergonomic handle
- 2-level top
- Pull-out drawer for housing a mini keyboard
- 1 shelf with adjustable position, 1 fixed shelf and door
- 4 useful side cable reels made of plastic
- 2 useful side containers
- 2 fixed rear castors Ø 160 mm
- 2 steering front castors Ø 100 mm (one with frame)
- Weight: 36.5 kg

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| **CA49 G** | 1 | 049000112 |

## 4900-COVER C49

nylon cover for multi-purpose tool trolley item C49

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|---|---|---|
| **4900-COVER C49** | 1 | 049000930 |

## C48M

electric platform cart, with panels

Compact dimensions and versatile use make the C48M platform cart the ideal solution for handling heavy loads (boxes, containers, bulky objects, parts of equipment) in the power-assisted mode in complete safety, including in hardly accessible areas and in work environments which cannot be accessed via conventional forklift trucks.
This results in significantly reduced hazards for operators - e.g. musculoskeletal disorders caused by manual handling of loads.

Motorized platform, with 24V - 400W motor with 2x12V 33Ah battery supply and Curtis control card.
Loading floor made from sturdy steel, coated with non-slip rubber, with round tubular panels preventing objects from falling during transport.
The panels can be removed, to cater to individual transportation requirements.

The control console is equipped with the following:
• ignition key
• speed adjusting knob
• side butterfly handles for traction control
• intermittent beep, which is activated when moving in reverse
• battery charge indicator
• electric brake cut-out button
• emergency mushroom head button.

Fitted with 2 pneumatic traction wheels (Ø 260 mm) and 2 swivelling rubber wheels (Ø 150mm), electromagnetic brake and differential gear.
Supplied with an external battery charger, 220V/50Hz - V/A 24/12

FUNCTIONAL SPECIFICATIONS
Carrying capacity: 400 kg
Driving speed: 4-6 km/h (adjustable)
Battery life: 4 hours
Maximum permitted slope with a full load: 6%
Maximum permitted slope with 100 kg load: 18%

Safety devices:
Electronic brake
Buzzer
Anti-crushing guard
Battery charge indicator
Curtis control cart

TECHNICAL SPECIFICATIONS
Overall dimensions: 1280x630x1100h mm
Useful dimensions of loading platform with panels: 1150x570 mm
Useful dimensions of loading platform without panels: 1260x620 mm
Height of loading platform from floor: 320 mm
Height of battery compartment from floor: 65 mm
Weight with batteries: 140 kg

140 kg

| | | |
|---|---|---|
| **C48M** | 1 | 048000230 |

## C48P

folding tool trolley

Main features:
• Loading platform made of reinforced polypropylene (PP), with non-slip coating and TPV inserts for corner protection
• Retractable handle for quick, compact storage
• Four non-marking castors, Ø 125 mm: 2 fixed and 2 steering with brakes
• Maximum capacity: 300 kg.
• Loading platform working width: 705 mm
• Loading platform depth: 480 mm
• Loading platform height: 200 mm

11 kg

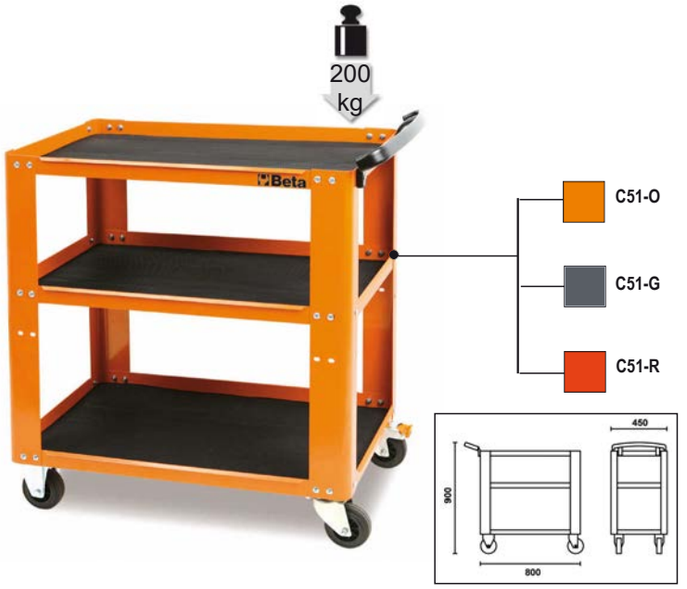
| | | |
|---|---|---|
| **C48P** | 1 | 048000030 |

## C51

trolley

- 3 tops covered in antislip ribbed rubber
- Ergonomic handle
- Two fixing options for central worktop
- Four castors Ø 100 mm:
  2 fixed and 2 steering (1 with brake)
- Static load capacity: 200 kg (distributed between3 shelves)

21 kg




| | | |
|---|---|---|
| **C51 O** | 1 | 051000001 |
| **C51 G** | 1 | 051000002 |
| **C51 R** | 1 | 051000003 |

## C50S

service tool trolley with 3 drawers

Main features:
- Thermoplastic worktop
- 3 drawers (588x367 mm) with ball bearing slides, 70 mm high
- Drawer bases protected by foamed rubber mats
- Front centralized safety lock
- Convenient side screwdriver holder included
- Two side built-in spray can holders
- Large lower shelf protected by an anti-oil and anti-rubber mat
- Four castors, Ø 125 mm:
  2 fixed and 2 steering (one with brake)
- Static load capacity: 400 kg
- Capacity of each drawer: 15 kg, uniformly distributed
- Paper roll holder item 2400 RSC24/PC-A can be applied on request
- Folding shelf item 5000MS can be applied on request

38 kg

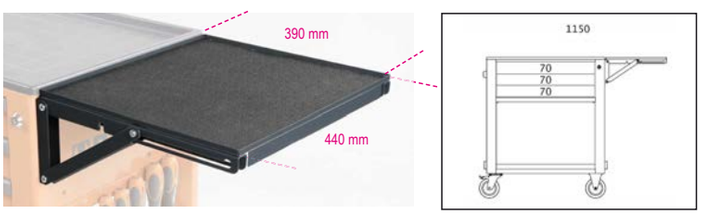
| | | |
|---|---|---|
| **C50S-O** | 1 | 050000301 |
| **C50S-G** | 1 | 050000302 |
| **C50S-R** | 1 | 050000303 |

## 5000MS

folding shelf for items RSC24 - RSC24A - C50S

- For use as additional worktop
- Worktop dimensions: 390x440 mm, protected by an anti-oil and anti-petrol rubber mat
- Load capacity: 20 kg.

3,4 kg




| | | |
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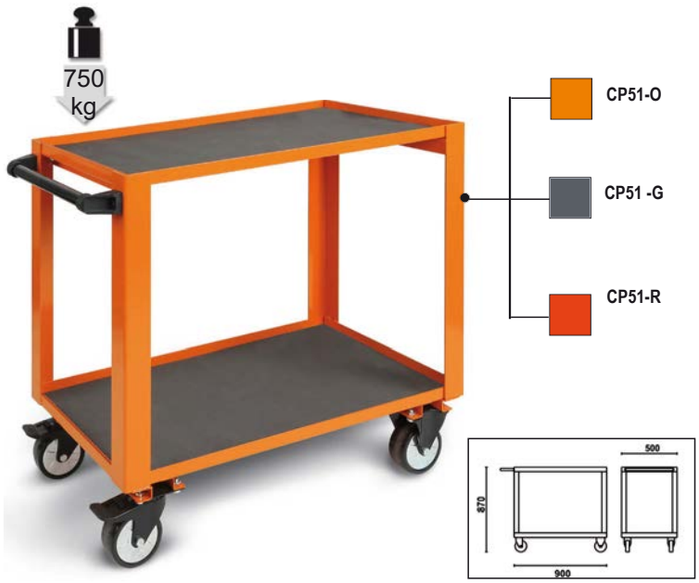
| **5000MS** | 1 | 050000901 |

## CP51

high-grade trolley

- 2 tops covered with rubber mats
- Ergonomic handle
- Four high-grade castors Ø 125 mm:
2 fixed and 2 steering with brake
- Static load capacity: 750 kg (shared by 2 tops)

**37 kg**




| | | |
|---|---|---|
| **CP51 O** | 1 | 051000501 |
| **CP51 G** | 1 | 051000502 |
| **CP51 R** | 1 | 051000503 |

## CB52

gearbox/transmission trolley
with liquid recovery system

Inclined plane and drain holes
allow liquids to be recovered in collection tank

**Fitted with:**
- 4 swivel castors, including 2 with brakes
- Tool drawer
- Pull-out liquid collection tank; capacity: 7 l
- 2 shelves

**Features:**
- Dimensions: 1200x640x870 mm
- Weight: 60 kg

**60 kg**

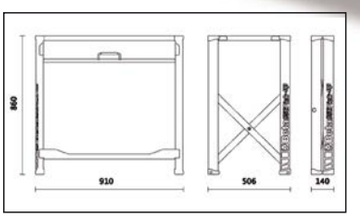
| | | |
|---|---|---|
| **CB52** | 1 | 052000201 |

## C56P O

folding workbench

Compact and easy to carry.
Worktop (800x500mm, 30 mm thick) made of MDF and galvanized sheet iron, for use on both sides.
Handle with rubber cover, for easy transportation.
Feet with nonslip cover.
Static load capacity: 250 kg

**25 kg**




| | | |
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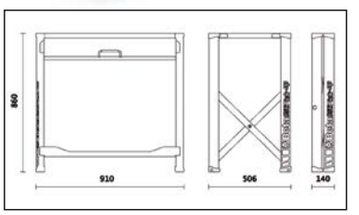
| **C56P O** | 1 | 056000011 |

## C56PL O

folding workbench, Light version

Lightweight, compact, easy to carry.
Worktop (800x500mm) made galvanized sheet iron, for use on one side, protected by an anti-oil and anti-petrol rubber cover.
Handle with rubber cover, for easy transportation.
Feet with nonslip cover.
Static load capacity: 200 kg

**18,5 kg**




| | | |
|---|---|---|
| **C56PL O** | 1 | 056000021 |

# C54S

Cargo tool cabinets

These tool cabinets are designed according to detailed research and offer accurate, comfortable and rational solutions for end users.
Two perforated panels attached to the doors may be opened giving access to additional storage space.

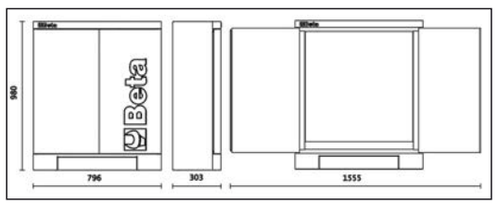
Main features:
- 1 drawer, with slides.
- Easy tool layout according to users' needs.
- Easy wall mounting by means of two slots located at the back of the cabinet .
- Safety lock for both drawers and doors.
- Empty thermoformed tray for 1/2" sockets and accessories

37 kg

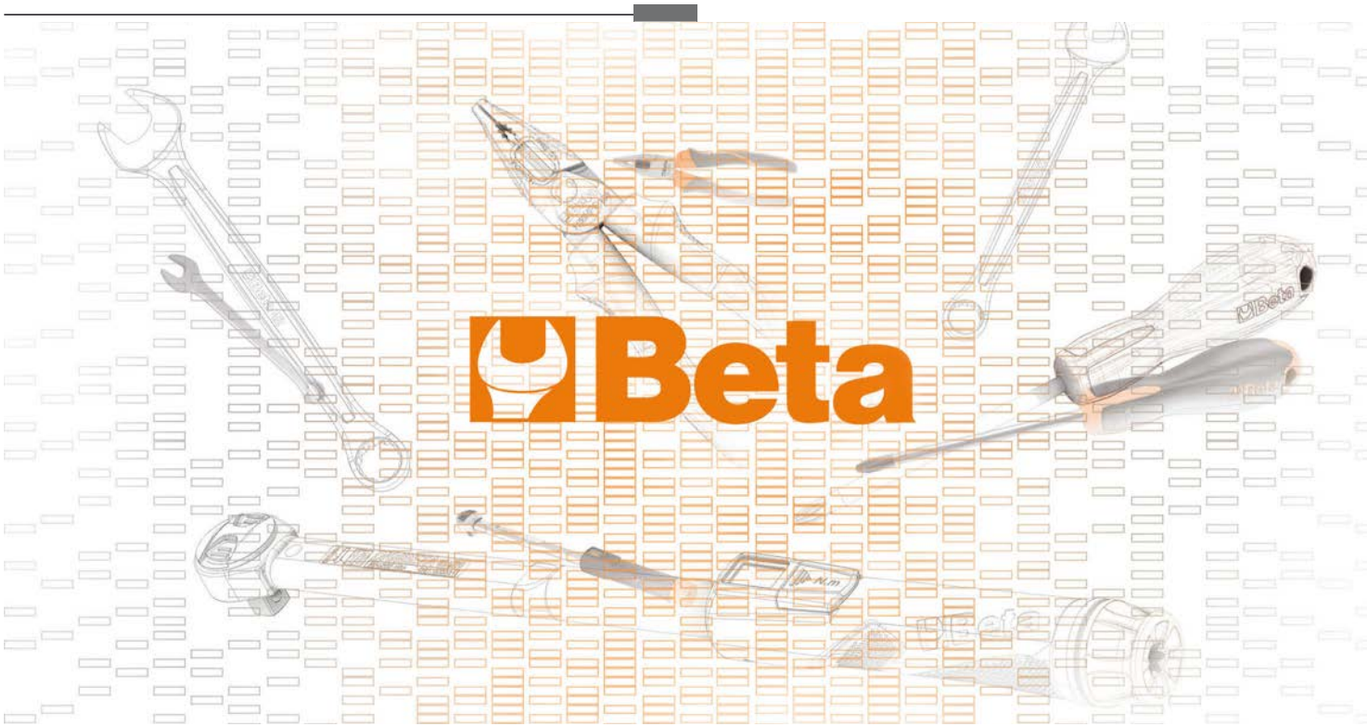
C54S-G

C54S-R

C54S-O




| | | |
|---|---|---|
| **C54S-O** | 1 | 054000301 |
| **C54S-G** | 1 | 054000302 |
| **C54S-R** | 1 | 054000303 |



## C57SA

MasterCargo workbench

• Model with tool storage board
(C57P) and one drawer cabinet.

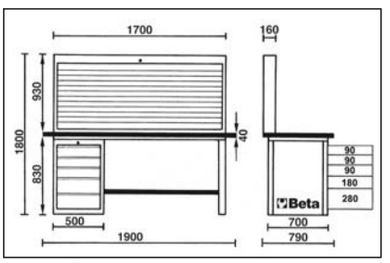
Drawer cabinet: five drawers,
588x367 mm, 3 90 mm high
1 180 mm and 1 280 mm high,
with ball bearing slides.
Can accommodate thermoformed trays.
Centralized lock.

Panel tool holder with holes on back
for wall mounting.
Vertically operated aluminium shutter, with lock.
Three removable perforated panels
for supporting tools.

Multi-ply worktop,
coated in plastic laminate with three holes
for vice item
1599F/150, to be ordered separately.

205 kg

| h | max |
|---|---|
| 90 mm | 30 kg |
| 180 mm | 40 kg |
| 280 mm | 40 kg |




| | | |
|---|---|---|
| **C57S/A-O** | 1 | 057001005 |
| **C57S/A-G** | 1 | 057001205 |
| **C57S/A-R** | 1 | 057001405 |

## C57SD

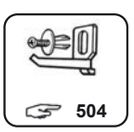
MasterCargo workbench

• Model with one drawer cabinet

Drawer cabinet: five drawers,
588x367 mm, 3 90 mm high
1 180 mm and 1 280 mm high,
with ball bearing slides.
Can accommodate thermoformed trays.
Centralized lock.

Multi-ply worktop,
coated in plastic laminate with three holes
for vice item 1599F/150, to be ordered separately.

158 kg




| h | max |
|---|---|
| 90 mm | 30 kg |
| 180 mm | 40 kg |
| 280 mm | 40 kg |

| | | |
|---|---|---|
| **C57S/D-O** | 1 | 057001004 |
| **C57S/D-G** | 1 | 057001204 |
| **C57S/D-R** | 1 | 057001404 |

## C57SB

MasterCargo workbench

• Model with tool storage board
(C57P) and two drawer cabinets.

Drawer cabinet: five drawers,
588x367 mm, 3 90 mm high
1 180 mm and 1 280 mm high,
with ball bearing slides.
Can accommodate thermoformed trays
Centralized lock.

Panel tool holder with holes on back
for wall mounting.
Vertically operated aluminium shutter,
with lock.
Three removable perforated panels
for supporting tools.

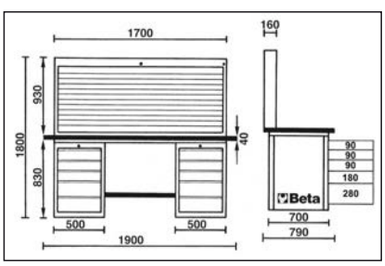
Multi-ply wood worktop,
coated in plastic laminate with three holes
for vice item
1599F/150, to be ordered separately.

243 kg

C57S/B-G

C57S/B-R

| h | max |
|---|---|
| 90 mm | 30 kg |
| 180 mm | 40 kg |
| 280 mm | 40 kg |




| | | |
|---|---|---|
| **C57S/B-O** | 1 | 057001006 |
| **C57S/B-G** | 1 | 057001206 |
| **C57S/B-R** | 1 | 057001406 |

## C57SC

MasterCargo workbench

• Model with two drawer cabinets.

Drawer cabinet: five drawers,
588x367 mm, 3 90 mm high
1 180 mm and 1 280 mm high,
with ball bearing slides.
Can accommodate thermoformed trays.
Centralized lock.

Multi-ply wood worktop,
coated in plastic laminate with three holes
for vice item 1599F/150, to be ordered separately.

196 kg

| h | max |
|---|---|
| 90 mm | 30 kg |
| 180 mm | 40 kg |
| 280 mm | 40 kg |

C57S/C-G

C57S/C-R

| | | |
|---|---|---|
| **C57S/C-O** | 1 | 057001003 |
| **C57S/C-G** | 1 | 057001203 |
| **C57S/C-R** | 1 | 057001403 |

## C57SP

panel tool holder

Panel tool holder with two holes on back for wall mounting.
Aluminium shutter, vertically adjustable, with lock.
Three removable perforated panels for tool holding.

46 kg

C57SP G

C57SP R

| | | |
|---|---|---|
| **C57SP-O** | 1 | 057001020 |
| **C57SP-G** | 1 | 057001220 |
| **C57SP-R** | 1 | 057001420 |

## 5700LAMP

MasterCargo workbench lamp

- Sturdy sheet metal frame comprising four elements; provided with screws for assembling the lamp.
- Lamp holder with 1120-Lumen LED strip, 4000K, 14W.
- Power supply 230V.
- Provided without wire.

9 kg

5700LAMP + C57S/A-O

| | | |
|---|---|---|
| **5700LAMP** | 1 | 057000005 |

## C58P

panel tool holder

- Security locked shutter made of painted aluminium.
- Two removable perforated panels for tool holding.

46,8 kg

C58P-G

C58P-R

| | | |
|---|---|---|
| **C58P-O** | 1 | 058000221 |
| **C58P-G** | 1 | 058000222 |
| **C58P-R** | 1 | 058000223 |

## PV

wall tool panel

| | LxA mm | | | |
|---|---|---|---|---|
| **PV1** | 1000x920 | 10,2 | 1 | 088880010 |
| **PV1,5** | 1500x920 | 14,2 | 1 | 088880015 |

## C56W

workbench with wood top

• Multi-ply wood worktop with holes for a vice (1599F/125, to be ordered separately).
• Steel frame with 6 supporting legs
• Static load capacity: 1,200 kg
• Matches panel tool holder C57P; cannot be fixed to worktop.
• Two drawers with locks.
• Can be fixed to floor.

86 kg

| | | |
|---|---|---|
| **C56W-O** | 1 | 056000251 |
| **C56W-G** | 1 | 056000252 |
| **C56W-R** | 1 | 056000253 |

## C56B

workbench with wood top

Main features:
• Multi-ply wood worktop with holes for a vice (1599F/125, to be ordered separately).
• Steel frame with 4 supporting legs.
• Static load capacity: 800 kg.
• Lower object shelf.
• Can be fixed to floor.

54,5 kg

| | | |
|---|---|---|
| **C56B-O** | 1 | 056000401 |
| **C56B-G** | 1 | 056000402 |
| **C56B-R** | 1 | 056000403 |

## C56

workbench

• Worktop made of painted sheet metal with external edge
• Steel frame with 6 supporting legs
• Static load capacity: 1200 kg
• Matches panel toolholder C57P; cannot be fixed to worktop
• Two drawers with lock
• Can be fixed to floor

82 kg

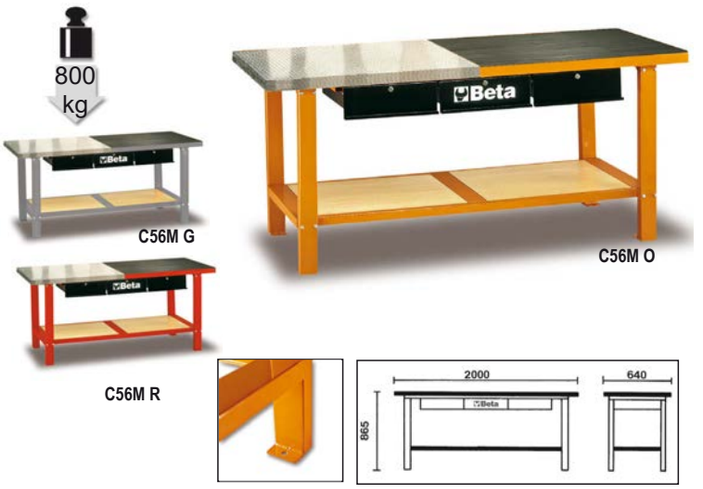
| | | |
|---|---|---|
| **C56-O** | 1 | 056000201 |
| **C56-G** | 1 | 056000202 |
| **C56-R** | 1 | 056000203 |

## C56M

workbench

• Worktop made from both slip-proof aluminium sheet and rubber mat.
• Load capacity: kg.800.
• Can match panel toolholder C57P.
• Three drawers with lock.
• Can be fixed to the floor.

95 kg




| | | |
|---|---|---|
| **C56M O** | 1 | 056000050 |
| **C56M G** | 1 | 056000053 |
| **C56M R** | 1 | 056000054 |

## C58B

workbench with wood top

Main features:
• Multi-ply wood worktop with holes for a vice (1599F/125, to be ordered separately).
• Steel frame with 4 supporting legs.
• Static load capacity: 800 kg.
• Lower object shelf.
• Can be fixed to floor.

44 kg

| | | |
|---|---|---|
| **C58B-O** | 1 | 058000401 |
| **C58B-G** | 1 | 058000402 |
| **C58B-R** | 1 | 058000403 |

## C58M

workbench

• Metal worktop fully covered with a removable antislip rubber mat.
• Lower shelf made from solid wood.
• Static load capacity: 800 kg.
• Matches panel tool holder C58P; cannot be fixed to worktop.
• 2 drawers with locks.
• Can be fixed to floor.
• Aluminium worktop C58M/PA available on request.

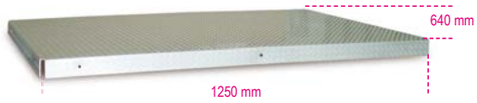
65 kg

| | | |
|---|---|---|
| **C58M-O** | 1 | 058000300 |
| **C58M-G** | 1 | 058000302 |
| **C58M-R** | 1 | 058000303 |

## C58M/PA

knurled aluminium worktop
for workbench item C58M

4,5 kg




| | | |
|---|---|---|
| **C58M/PA** | 1 | 058000350 |

## C59A

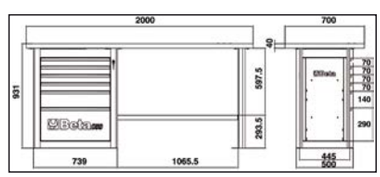
"Endurance" workbench with 1 cab with six drawers

Main features:
• Worktop made from multi-
ply wood with holes for vice item 1599F/125 (to be ordered separately).
• 6 drawers (588x367 mm) with ball bearing slides:
4 drawers, 70 mm high
1 drawer, 140 mm high
1 drawer, 280 mm high.
• Drawers protected by foamed rubber mats.
• Hard-wearing nylon drawer front.
• Roller cabs can accommodate thermoformed trays.
• Front centralized safety lock.
• Lower object shelf.
• Can be fitted with paper roll holder (2400 RSC24/PC) and bottle holder (2400 RSC24/PF-), to be ordered separately.

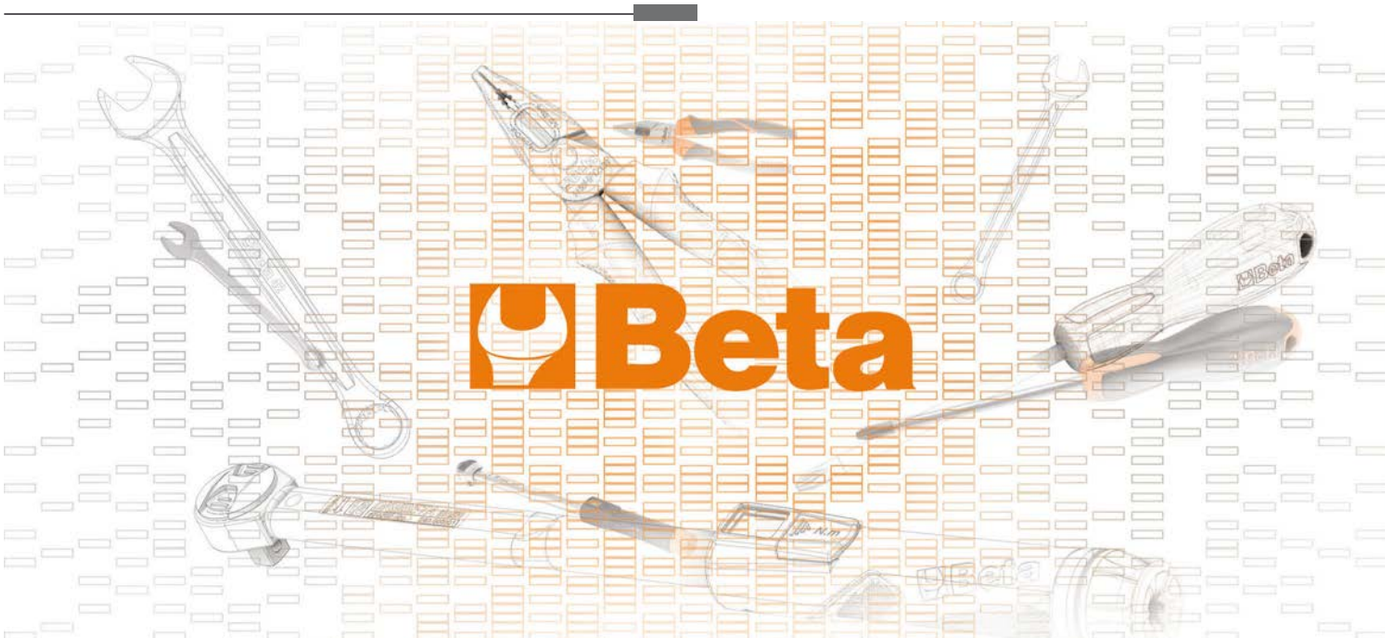
115 kg

1500 kg

| h | max |
|---|---|
| 70 mm | 25 kg |
| 140 mm | 30 kg |
| 280 mm | 35 kg |



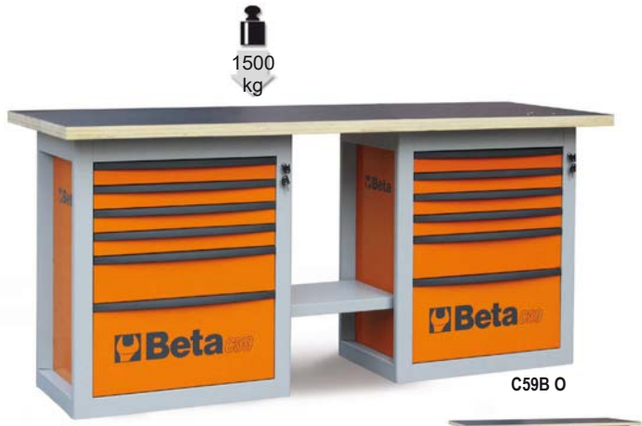

| | | |
|---|---|---|
| **C59A-O** | 1 | 059000001 |
| **C59A-G** | 1 | 059000021 |
| **C59A-R** | 1 | 059000041 |

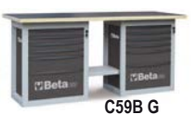


## C59B

"Endurance" workbench with 2 cabs with six drawers

Main features:
• Worktop made from multi-
ply wood with holes for vice item 1599F/125 (to be ordered separately).
• 12 drawers (588x367 mm) with ball bearing slides:
8 drawers, 70 mm high
2 drawers, 140 mm high
2 drawers, 280 mm high.
• Drawers protected by foamed rubber mats.
• Can accommodate thermoformed trays.
• Front centralized safety lock.
• Lower object shelf.
• Can be fitted with paper roll holder (2400 RSC24/PC) and bottle holder (2400 RSC24/PF-), to be ordered separately.



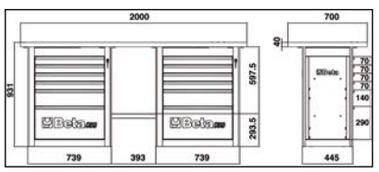

C59B G

C59B R

155 kg

| | | |
|---|---|---|
| C59B-O | 1 | 059000002 |
| C59B-G | 1 | 059000022 |
| C59B-R | 1 | 059000042 |

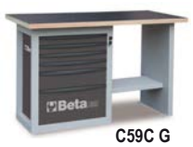
| h | max |
|---|---|
| 70 mm | 25 kg |
| 140 mm | 30 kg |
| 280 mm | 35 kg |

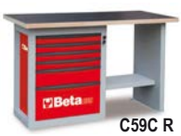



## C59C

"Endurance" workbench with 1 cab with six drawers, short model

Main features:
• Worktop made from multi-
ply wood with holes for vice item 1599F/125 (to be ordered separately).
• 6 drawers (588x367 mm) with ball bearing slides:
4 drawers, 70 mm high
1 drawer, 140 mm high
1 drawer, 280 mm high.
• Drawers protected by foamed rubber mats.
• Can accommodate thermoformed trays.
• Front centralized safety lock.
• Lower object shelf.
• Can be fitted with paper roller holder (2400 RSC24/
PC) and bottle holder (2400 RSC24/PF-), to be ordered separately.

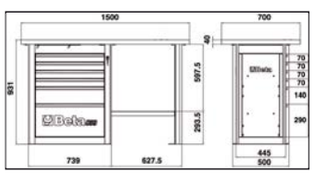

C59C G


C59C R

105 kg

| | | |
|---|---|---|
| C59C-O | 1 | 059000003 |
| C59C-G | 1 | 059000023 |
| C59C-R | 1 | 059000043 |

| h | max |
|---|---|
| 70 mm | 25 kg |
| 140 mm | 30 kg |
| 280 mm | 35 kg |




## 9562T2

workbench mat, 200x160 cm

• protects floor from oil and petrol leaks, environmentally friendly
• easy to clean, anti-skid, rubber-coated bottom

| | | |
|---|---|---|
| 9562T2 | 1 | 095620200 |

# WORKSHOP EQUIPMENT

## Beta RSC 55

To answer the requirements of a market where the emphasis is increasingly on quality, design and customization, Beta Utensili has developed “Racing System C55”, modular garage furniture shaped on your needs, while allowing you to create a modern work environment.

### Quality

Beta’s best Italian-made quality to furnish your garage

### Design

Refined, captivating finishes for a tidy, attractive workstation

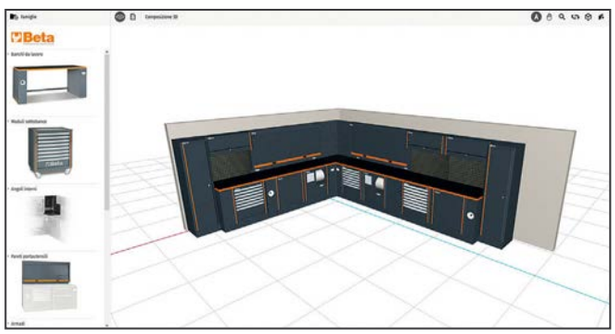
### Organization

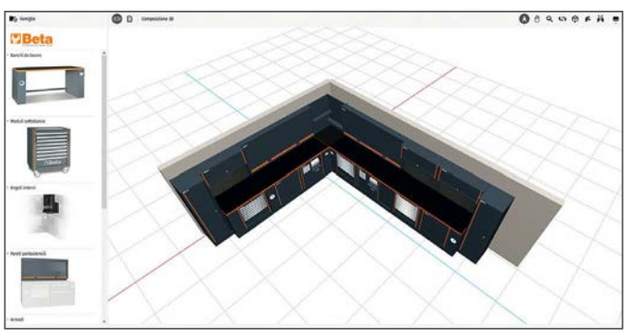
A sensibly organized workstation, synonymous with optimized work

### Modularity

Modmodular garage fitting your spaces and requirements

**MADE IN ITALY**




Configure your workshop online
Go to **www.rsc55.com**

## Your colours for your workshop!

RSC55 allows you to order the benches and tool wall system with shutter in a neutral (grey) version and customize the vertical coloured inserts by choosing from 7 different adhesive tapes.

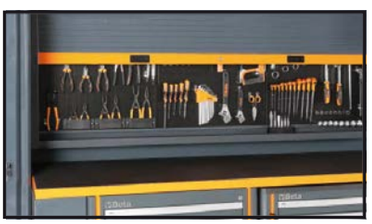
### 1. Order the vertical insert in a neutral colour

### 2. Order the vertical insert

Choose the colour to your taste or according to your company's colours

# C55

comprehensive workshop equipment combination RSC55



Comprehensive combination comprising:
- Single-door tool cabinet (C55A1)
- Two-door tool cabinet (C55A2)
- Workbench (C55BO/2)
- Workbench with sockets (C55PRO BO/2)
- Mobile roller cab with 7 drawers (C55C7)
- Fixed module with 2 storage drawers (C55M2)
- Fixed module with 7 drawers (C55M7)
- Fixed service module (C55MS)
- Tool panel with suspended cabinets (C55/2PM)
- Tool panel with shutter (C55PS-O)

| | | |
|---|---|---|
| C55 | 1 | 055000000 |

## C55AB

workshop equipment combination

Combination comprising:
- Two-door tool cabinet (C55A2)
- Workbench (C55BO/2)
- Fixed module with 7 drawers (C55M7)
- Fixed service module (C55MS)
- Tool panel with suspended cabinets (C55/2PM)

407 kg

| | | | |
|---|---|---|---|
| C55AB | 1 | 055000020 | |

## C55PB/3

workshop equipment combination

Combination comprising:
- Workbench (C55BO/2)
- Roller cab module with 8 drawers (C55C8)
- Fixed module with 2 storage drawers (C55M2)
- Wall tool system with shutter (C55PS-O)

334 kg

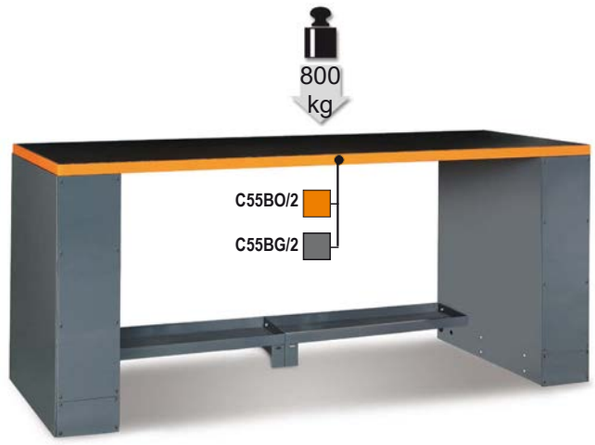
| | | | |
|---|---|---|---|
| C55PB/3 | 1 | 055000035 | |

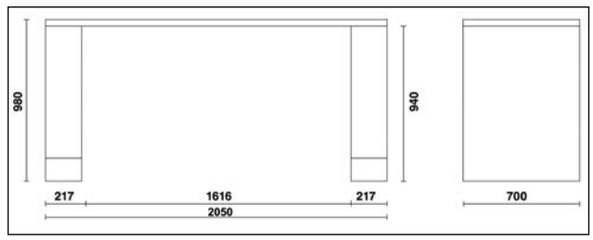
## C55B/2

2-m-long workbench, for workshop equipment combination

With worktop (2050x700 mm) covered with a shockproof, non-scratch PVC coat, resistant to hydrocarbons
- Holes for a vice (1599F/150, to be ordered separately)
- Vertically adjustable feet

105 kg





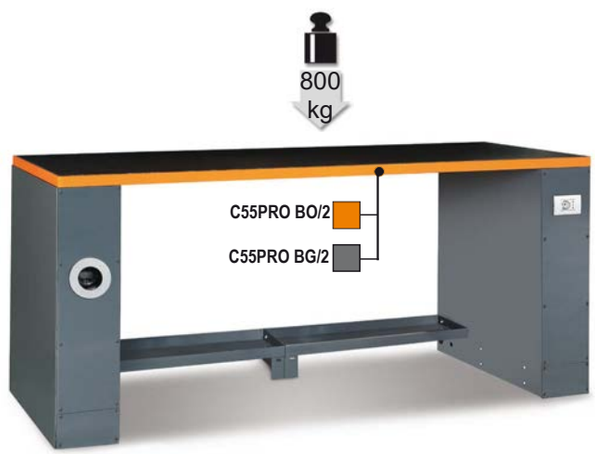

| | | |
|---|---|---|
| **C55BO/2** | 1 | 055000101 |
| **C55BG/2** | 1 | 055000111 |

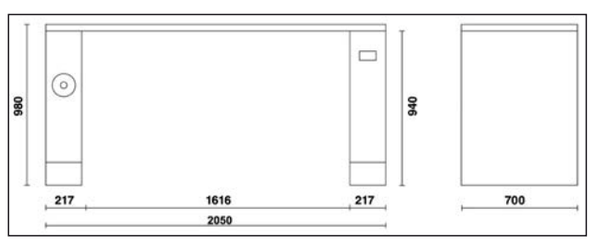
## C55PRO B/2

2-m-long workbench, for workshop equipment combination

With worktop (2050x700 mm) covered with a shockproof, non-scratch PVC coat, resistant to hydrocarbons
Built-in sockets and hose reel:
- Schuko socket +16+10A
- EU Plug 10A
- Compressed air outlet with hose reel, Ø 8 mm, item 1901BM/8, hose length: 10 m.
- Holes for a vice (1599P/150, to be ordered separately)
- Vertically adjustable feet

110 kg





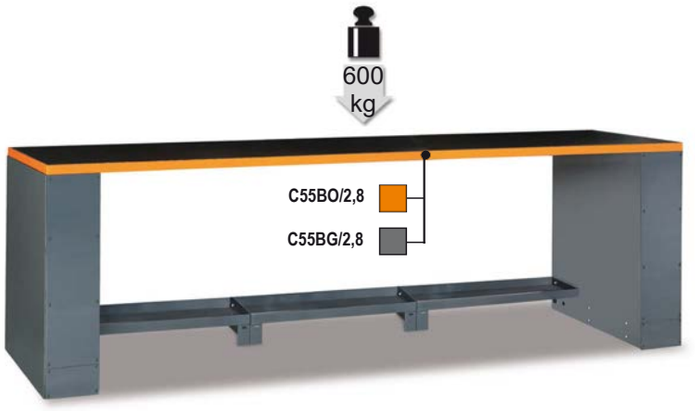

| | | |
|---|---|---|
| **C55PRO BO/2** | 1 | 055000151 |
| **C55PRO BG/2** | 1 | 055000171 |

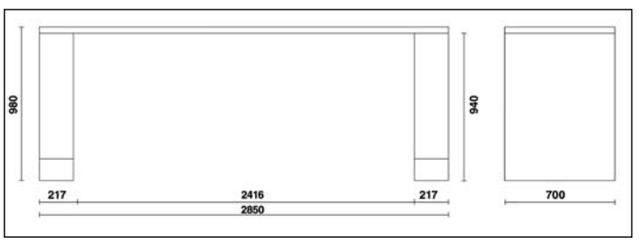
## C55B/2,8

2.8-m-long workbench, for workshop equipment combination

Worktop (2850x700 mm) covered with a shockproof, non-scratch PVC coat, resistant to hydrocarbons
- Holes for a vice (1599F/150, to be ordered separately)
- Vertically adjustable feet

129 kg





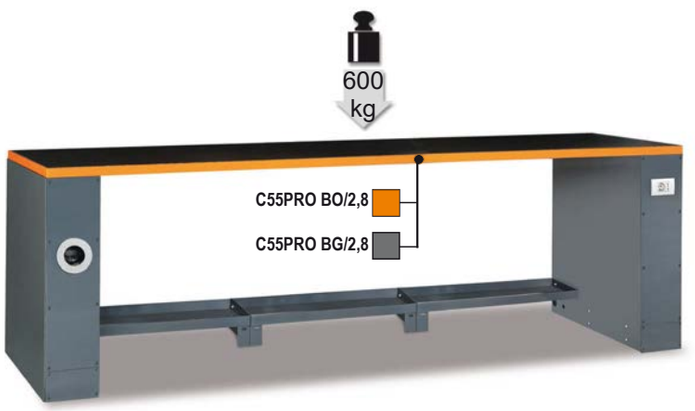

| | | |
|---|---|---|
| C55BO/2,8 | 1 | 055000261 |
| C55BG/2,8 | 1 | 055000281 |

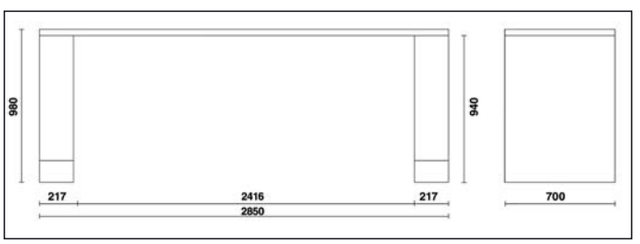
## C55PRO B/2,8

2.8-m-long workbench, for workshop equipment combination

With worktop (2850x700 mm) covered with a shockproof, non-scratch PVC coat, resistant to hydrocarbons
Built-in sockets and hose reel:
- Schuko socket +16+10A
- EU Plug 10A
- Compressed air outlet with hose reel, Ø 8 mm, item 1901BM/8, hose length: 10 m.
- Holes for a vice (1599P/150, to be ordered separately)
- Vertically adjustable feet

134 kg





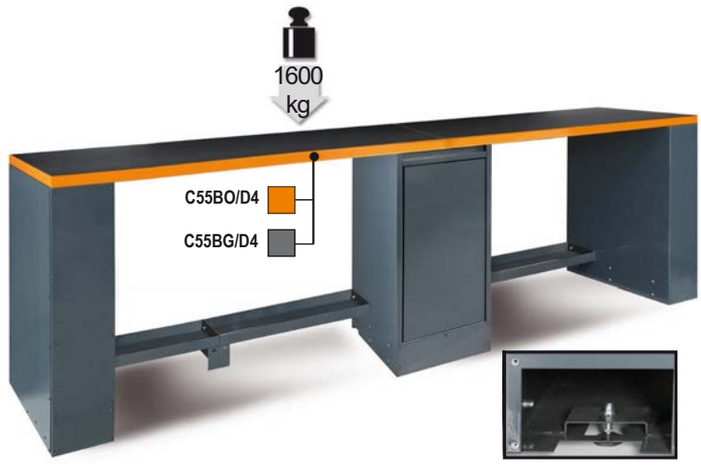

| | | |
|---|---|---|
| C55PRO BO/2,8 | 1 | 055000271 |
| C55PRO BG/2,8 | 1 | 055000283 |

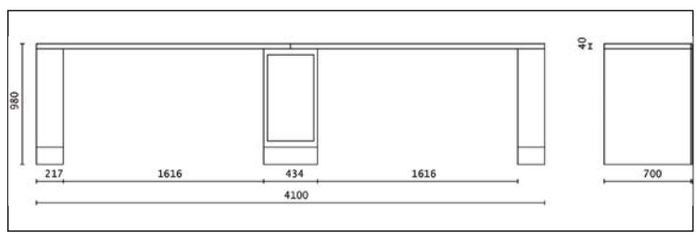
## C55B-D4

double 4-m-long workbench with central leg

Worktop (4100x700 mm) covered with a shockproof, non-scratch PVC coat, resistant to hydrocarbons
- Holes for a vice 1599F/150 (to be ordered separately)
- Vertically adjustable feet
- Double central leg with compartment and slide-away door, 350x750 mm

185 kg




| | | |
|---|---|---|
| **C55BO-D4** | 1 | 055000109 |
| **C55BG-D4** | 1 | 055000119 |

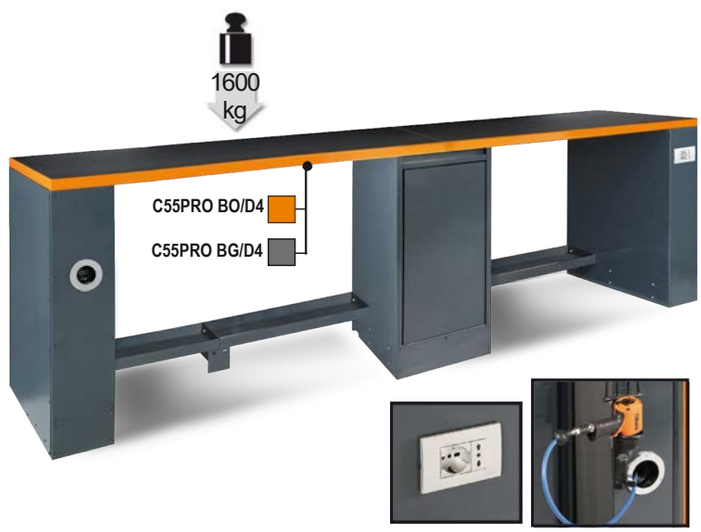
## C55PRO B-D4

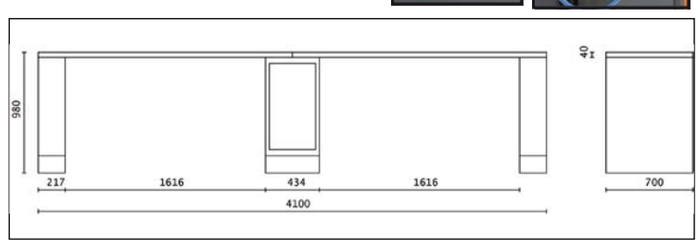
double 4-m long workbench with central leg

With worktop (4100x700 mm) covered with a shockproof, non-scratch PVC coat, resistant to hydrocarbons

Built-in sockets and cable reel:
- Schuko socket +16+10A
- EU Plug 10A
- Compressed air outlet with hose reel, Ø 8 mm, item 1901BM/8, cable length: 10 m.
- Holes for a vice (1599P/150, to be ordered separately)
- Vertically adjustable feet
- Double central leg with tool compartment and door, 365x750 mm

190 kg



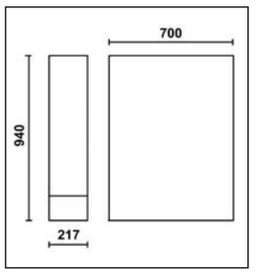

| | | |
|---|---|---|
| **C55PRO-BO-D4** | 1 | 055000159 |
| **C55PRO-BG-D4** | 1 | 055000179 |

## C55B/G

universal leg for workshop equipment workbench

• With vertically adjustable feet

30 kg

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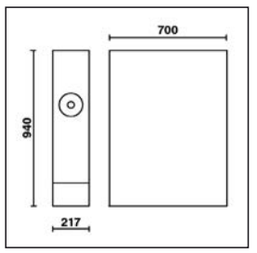
|---|---|---|
| C55B/G | 1 | 055000096 |

## C55B/GAA

universal leg for workbench with built-in hose reel

• Built-in automatic hose reel for compressed air or cold water, Ø 8 mm, item 1901BM/8
• Hose length: 10 m
• With vertically adjustable feet
• Front and side access

35 kg



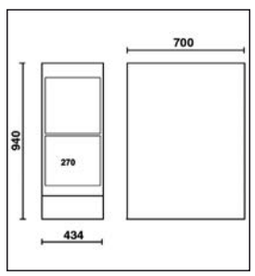

| | | |
|---|---|---|
| C55B/GAA | 1 | 055000099 |

## C55B/GDP

double leg for adjoining workshop equipment workbenches

Paper roll holder compartment
Compartment with door
With vertically adjustable feet

45 kg



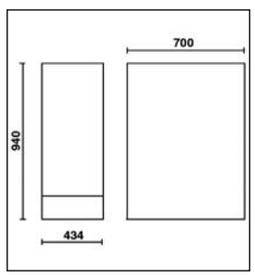

| | | |
|---|---|---|
| C55B/GDP | 1 | 055000292 |

## C55B/GDS

double leg for adjoining workshop equipment workbenches

Compartment with slide-away door, 365x750 mm
With vertically adjustable feet

45 kg




| | | |
|---|---|---|
| C55B/GDS | 1 | 055000291 |

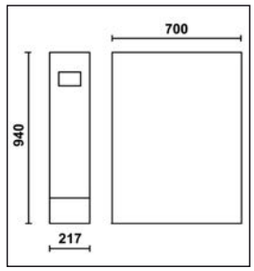
## C55B/GE

universal leg with power sockets for workshop equipment workbench

- Schuko socket+16+10A
- EU Plug +10A
- With vertically adjustable feet

30 kg

| | | |
|---|---|---|
| C55B/GE | 1 | 055000097 |



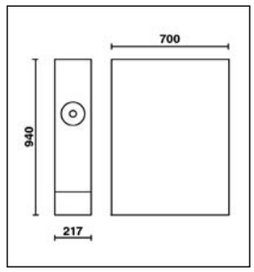

## C55B/GAE

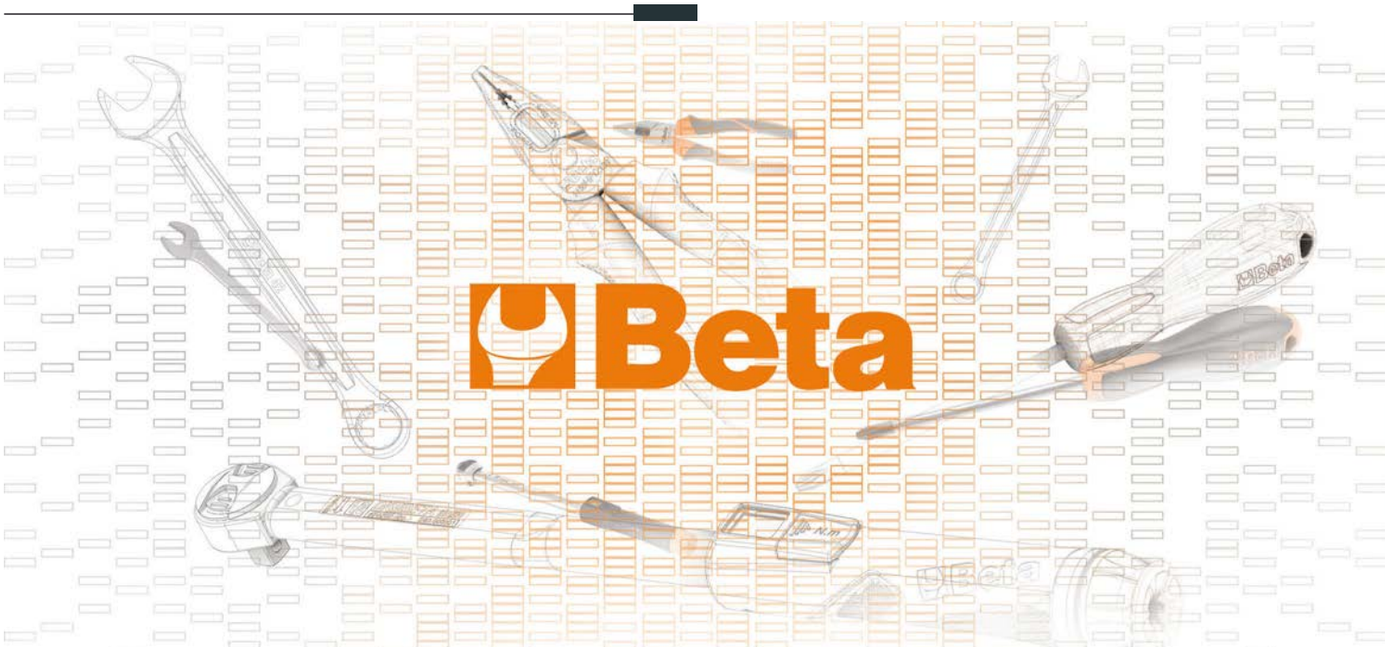
universal leg with built-in electrical cable reel for workbench, for workshop equipment combination

- Built-in automatic cable reel with Schuko type socket item 1848.
- Cable length: 15 m
- With thermal protection switch
- With vertically adjustable feet
- Front and side access

35 kg

| | | |
|---|---|---|
| C55B/GAE | 1 | 055000094 |



## C55/PL-1,024

1-m-long worktop for workbench extension

Painted sheet metal worktop (1024x700 mm) covered with a shockproof, non-scratch PVC coat, resistant to hydrocarbons

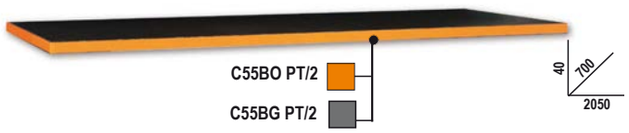
21 kg

| | | |
|---|---|---|
| **C55/PLO-1,024** | 1 | 055000130 |
| **C55/PLG-1,024** | 1 | 055000131 |

## C55B PT/2

2-m-long worktop for workbench, for workshop equipment combination

Painted sheet metal worktop (2050x700 mm) covered with a shockproof, non-scratch PVC coat, resistant to hydrocarbons
Holes for a vice (1599P/150, to be ordered separately)




43 kg

| | | |
|---|---|---|
| **C55B PT/2** | 1 | 055000106 |
| **C55BG PT/2** | 1 | 055000116 |

## C55B PT/2,8

2.8-m-long worktop for workbench, for workshop equipment combination

Painted sheet metal worktop (2850x700 mm) covered with a shockproof, non-scratch PVC coat, resistant to hydrocarbons
Holes for a vice (1599P/150, to be ordered separately)

61 kg

| | | |
|---|---|---|
| **C55BO PT/2,8** | 1 | 055000266 |
| **C55BG PT/2,8** | 1 | 055000286 |

## C55RB

shockproof, non-scratch PVC coat, resistant to hydrocarbons

For protecting worktop.
C55RB/2: for 2-m-long worktop
C55RB/2.8: for 2.8-m-long worktop
C55RB/0.7: for 700x700mm worktop
C55RB/1: for 1-m-long worktop

| | | |
|---|---|---|
| **C55RB/2** | 1 | 055000195 |
| **C55RB/2,8** | 1 | 055000196 |
| **C55RB/0,7** | 1 | 055000199 |
| **C55RB/1** | 1 | 055000198 |

## C55B/VS

lower workbench bracket, 0.8 m long

Dimensions: 800x230x60 mm

4 kg

| | | |
|---|---|---|
| **C55B/VS** | 1 | 055000095 |

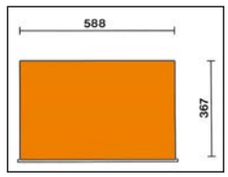
## C55C7

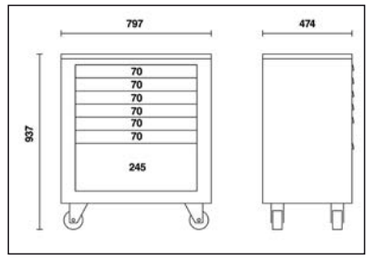
mobile roller cab with seven drawers, for workshop equipment combination

7 drawers (588x367 mm), with ball bearing slides
- 4 castors Ø 100 mm, 2 fixed (one with brake) and 2 steering
- Aluminium opening system throughout length of drawer
- Drawer bases protected by foamed rubber mats
- Front centralized lock
- Can be fitted with foam trays

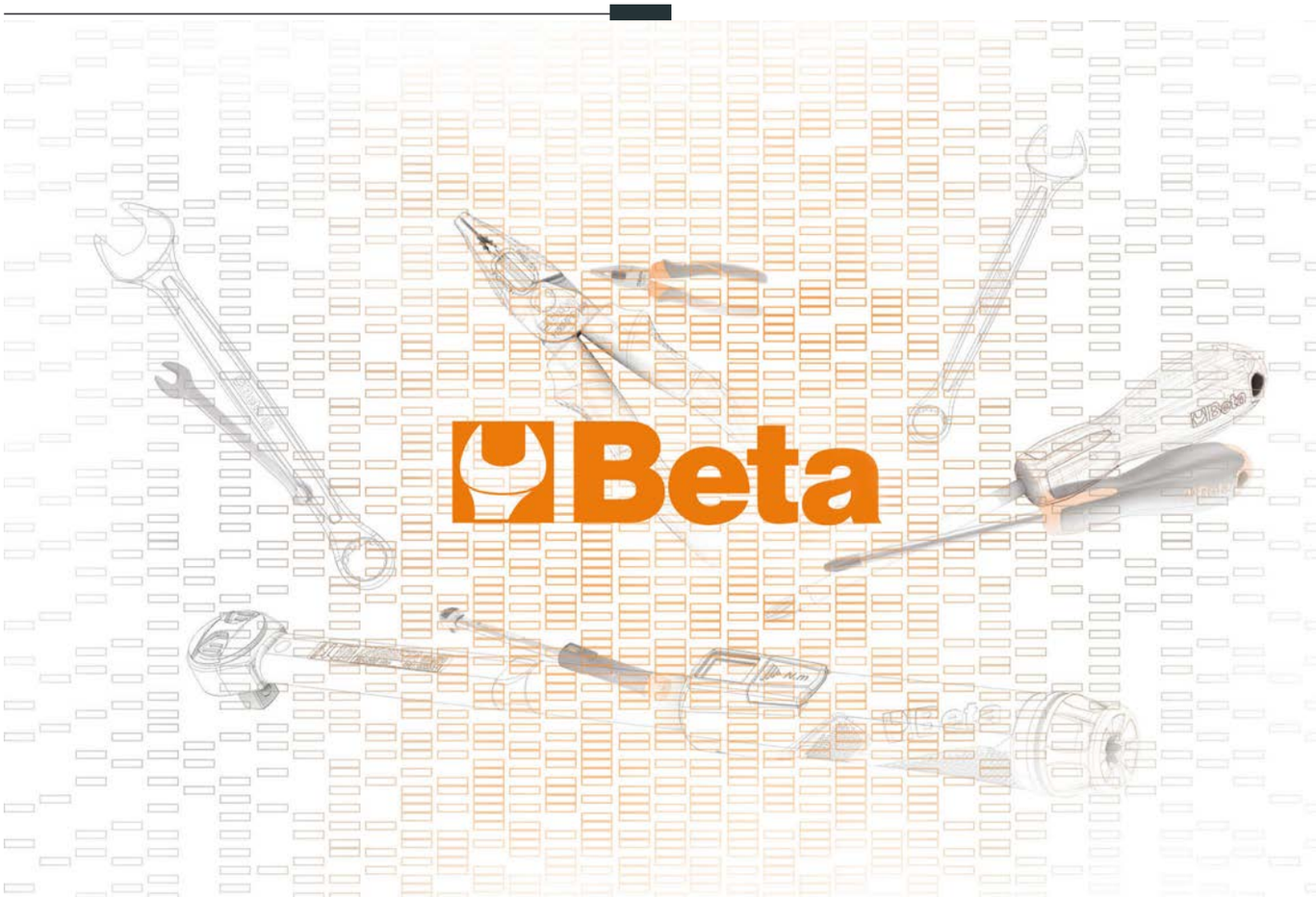
79 kg

| h | max |
|---|---|
| 70 mm | 30 kg |
| 245 mm | 40 kg |




| | | | |
|---|---|---|---|
| C55C7 | | 1 | 055000201 |



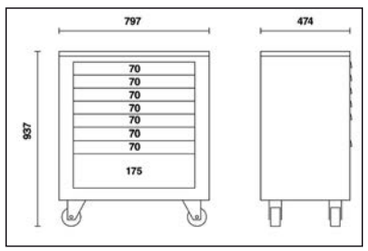
## C55C8

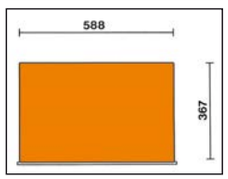
roller cab module with eight drawers, for workshop equipment combination

8 drawers(588x367 mm) with ball bearing slides
- 4 castors Ø 100 mm, 2 fixed (one with brake) and 2 steering
- Aluminium opening system throughout length of drawer
- Drawer bases protected by foamed rubber mats
- Front centralized lock
- Can be fitted with foam trays

81 kg

| h | max |
|---|---|
| 70 mm | 30 kg |
| 175 mm | 40 kg |




| | | |
|---|---|---|
| C55C8 | 1 | 055000206 |

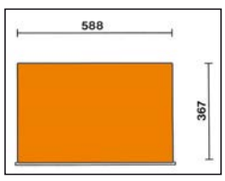
## C55M2

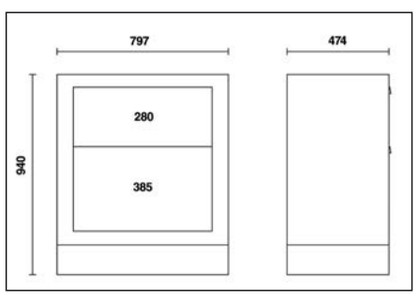
fixed module with 2 drawers, for workshop equipment combination

2 drawers (588x367mm) with ball bearing slides
- Aluminium opening system throughout length of drawer
- Drawer bases protected by foamed rubber mats
- Front centralized lock

66 kg

| h | max |
|---|---|
| 280 mm | 40 kg |
| 385 mm | 40 kg |




| | | |
|---|---|---|
| C55 M2 | 1 | 055000202 |

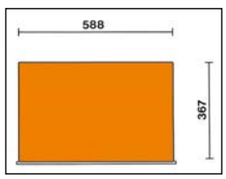
## C55M4

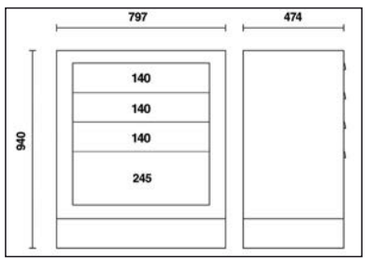
fixed module with 4 drawers, for workshop equipment combination

4 drawers (588x367 mm) with ball bearing slides
- Aluminium opening system throughout length of drawer
- Drawer bases protected by foamed rubber mats
- Front centralized lock

75 kg

| h | max |
|---|---|
| 140 mm | 30 kg |
| 245 mm | 40 kg |




| | | |
|---|---|---|
| C55M4 | 1 | 055000212 |

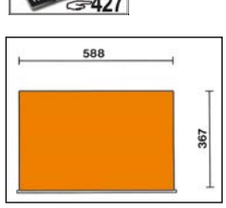
## C55M7

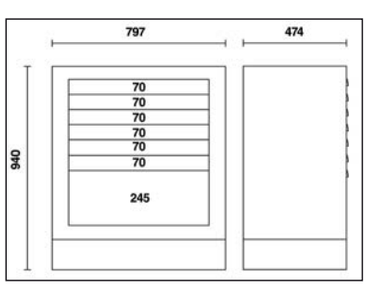
fixed module with seven drawers, for workshop equipment combination

7 drawers (588x367 mm) with ball bearing slides
- Aluminium opening system throughout length of drawer
- Drawer bases protected by foamed rubber mats
- Front centralized lock
- Can be fitted with foam trays

78 kg

| h | max |
|---|---|
| 70 mm | 30 kg |
| 245 mm | 40 kg |




| | | |
|---|---|---|
| C55M7 | 1 | 055000203 |

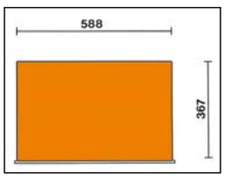
## C55M8

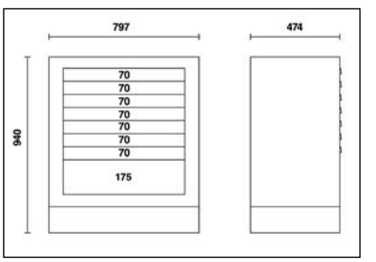
fixed module with 8 drawers for workshop equipment combination

8 drawers (588x367 mm) with ball bearing slides
• Aluminium opening system throughout length of drawer
• Drawer bases protected by foamed rubber mats
• Front centralized lock
• Can be fitted with foam trays

78,9 kg

| h | max |
|---|---|
| 70 mm | 30 kg |
| 175 mm | 40 kg |



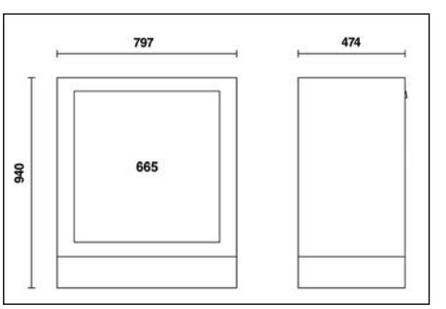

| | | | |
|---|---|---|---|
| C55M8 | | 1 | 055000207 |

## C55CS

fixed sorted waste collection module for workshop equipment combination

- Pull-out waste compartment (588x465) with ball bearing slides
- 2 capacious pull-out interior containers for sorting waste

62 kg



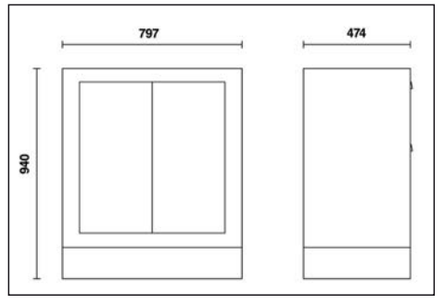

| | | | |
|---|---|---|---|
| C55SC | | 1 | 055000208 |

## C55MA

fixed two-door module, for workshop equipment combination

- Push Pull opening
- With lock• Interior shelf, vertically adjustable

75 kg



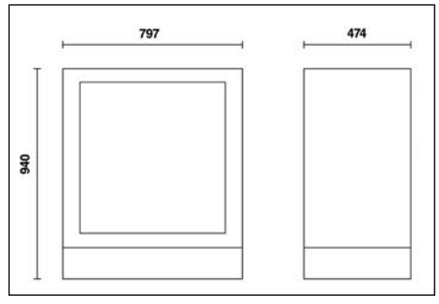

| | | |
|---|---|---|
| C55 MA | 1 | 055000205 |

## C55MDO

fixed oil distribution module
for workshop equipment combination

- 2 reels with 7m - 1/2” hose included
- Complete with 2 guns with digital litre counter and automatic drip catcher.
- max. flow rate: 35 l/min
- viscosity: 8÷5000 mPas

94 kg



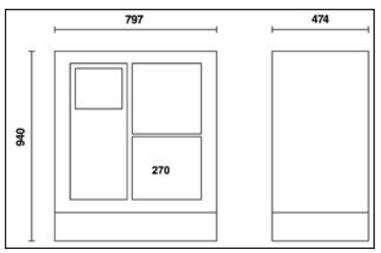

| | | |
|---|---|---|
| C55MDO | 1 | 055000210 |

## C55MS

fixed service module, for workshop equipment combination

- Built-in waste bin
- Perforated paper roll compartment
- Storage drawer, 305x270 mm

75 kg



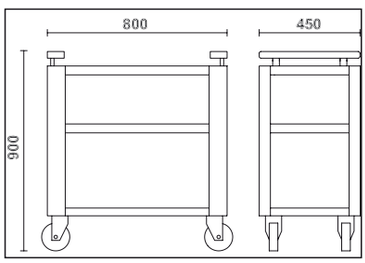

| | | | |
|---|---|---|---|
| C55 MS | | 1 | 055000204 |

## C55T3

trolley

- 3 tops covered in antislip ribbed rubber
- Ergonomic handle
- Two fixing options for central worktop
- Four castors Ø 100 mm (two with brakes)
- Static load capacity: 200 kg (distributed between 3 shelves)

21 kg




| | | | |
|---|---|---|---|
| C55T3 | | 1 | 055000219 |

## C55P/MCD

double central intermediate uprights

10 kg

| | | |
|---|---|---|
| C55P/MCD | 1 | 055000257 |

## C55P/2MDX-SX

right/left wall uprights, pair

10 kg

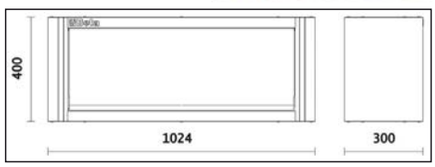
| | | |
|---|---|---|
| C55P/2MDX-SX | 1 | 055000253 |

## C55PM

suspended cabinet for workshop equipment combination, 1 m long

• Dimensions: 1024x400x300 mm; fitted with gas springs, making it easier to open and close door

24 kg




| | | |
|---|---|---|
| C55PM | 1 | 055000302 |

## C55PFA-1,0

self-supporting perforated panel, 1 m long, for workshop equipment combination

Perforated steel tool panel (1024x1020x25 mm)

11 kg

| | | |
|---|---|---|
| C55PFA-1,0 | 1 | 055000316 |

## C55/PF

perforated under-cabinet panel for workshop equipment combination, 1 m long

• Perforated tool panel (1024x600 mm)

6 kg

| | | |
|---|---|---|
| C55/PF | 1 | 055000307 |

## C55PT1,0X0,6

under-cabinet panel, 1 m long

Dimensions: 1024x620x25 mm

8 kg

| | | |
|---|---|---|
| C55PT1,0X0,6 | 1 | 055000314 |

## C55PTE-1,0

under-cabinet panel, 1 m long

Dimensions: 1024x620x25 mm
Accommodates 2 power sockets (not included)

8 kg

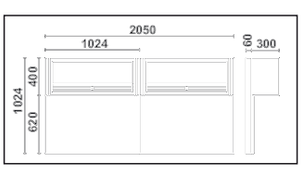
| | | |
|---|---|---|
| C55PTE-1,0 | 1 | 055000319 |

## C55/2PM

tool wall system with 2 suspended cabinets, for workshop equipment combination

- 2 suspended cabinets,1024x400x300 mm, fitted with gas springs, making it easier to open and close doors.
- Wall panel, 2050x620 mm; can accommodate perforated tool panels C55/PF (to be ordered separately)
- Supplied with framework
- Matches 2-m-long workbench

80 kg




| | | |
|---|---|---|
| C55 2PM | 1 | 055000301 |

## C55PFA-0,8

self-supporting perforated panel, 0.8 m long, for workshop equipment combination

Perforated steel tool panel (800x1020x25 mm)

10 kg

504

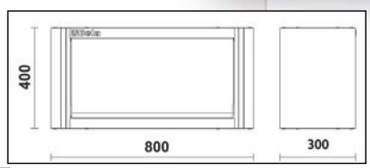
| | | |
|---|---|---|
| C55PFA-0,8 | 1 | 055000315 |

## C55PM/M0,8

suspended cupboard, 0.8 m long, for workshop equipment combination

Dimensions: 800x400x300
mm; fitted with gas springs making it easier to open and close door

19 kg




| | | |
|---|---|---|
| C55PM/M0,8 | 1 | 055000312 |

## C55PTE-0,8

under-cabinet panel, 0.8 m long

Dimensions: 800x620x25 mm
Accommodates 1 power socket (not included)

6 kg

| | | |
|---|---|---|
| C55PTE-0,8 | 1 | 055000318 |

## C55PT0,8X0,6

under-cabinet panel, 0.8 m long

Dimensions: 800x620x25 mm

7,8 kg

| | | |
|---|---|---|
| C55PT0,8X0,6 | 1 | 055000313 |

## C55/1PF

perforated tool panel, for workshop equipment combination

• Perforated tool panel (800x600 mm)

5 kg

504

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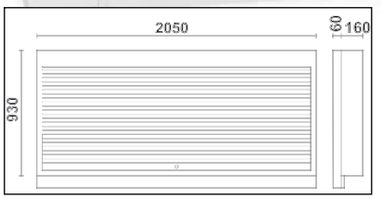
|---|---|---|
| C55/1PF | 1 | 055000309 |

## C55PS

tool wall system with shutter, for workshop equipment combination

- Aluminium shutter, vertically adjustable, with lock
- Removable perforated tool panel
- Supplied with framework
- 50-hook GPS kit included
- Matches 2-m-long workbench

88 kg



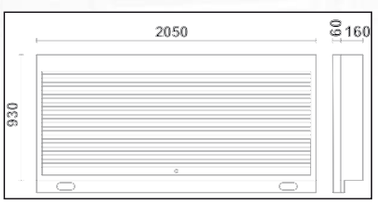
| | | |
|---|---|---|
| C55PS-O | 1 | 055000250 |
| C55PS-G | 1 | 055000255 |

## C55PSE

tool wall system with shutter
accommodating 2 power sockets

- Aluminium shutter, vertically adjustable, with lock
- Removable perforated tool panel
- Supplied with framework
- 50-hook GPS kit included
- Accommodates power sockets
- Matches 2-m-long workbench

88 kg



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|---|---|---|
| C55PSE-O | 1 | 055000258 |
| C55PSE-G | 1 | 055000260 |

## C55AE

profile, 2 m long, accommodating power sockets

Dimensions: 2050x25x90mm
Accommodates 2 power sockets

1,5 kg

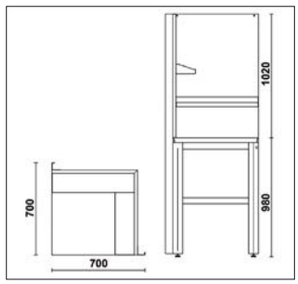
| | | |
|---|---|---|
| C55AE | 1 | 055000325 |

## C55AC

self-supporting complete corner

Worktop (700x700 mm) with legs
2 upper tool wall systems complete with 2 fixing shelves (665x150 mm)

66 kg



| | | |
|---|---|---|
| C55AC O | 1 | 055000360 |
| C55AC G | 1 | 055000380 |

## C55KAI

corner worktop for workshop equipment combination

• Painted sheet metal worktop (700x700 mm) covered with a shockproof, non-scratch PVC coat, resistant to hydrocarbons

32 kg

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|---|---|---|
| C55KAI O | 1 | 055000365 |
| C55KAI G | 1 | 055000385 |

## C55KAS

upper corner with tool wall systems

• Perforated tool wall systems (700x1020x25 mm)
• 2 fixing shelves (665x150 mm)

24 kg

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|---|---|---|
| C55KAS | 1 | 055000370 |

## C55MP

steel corner wall shelves

Dimensions: 700x160x80 mm

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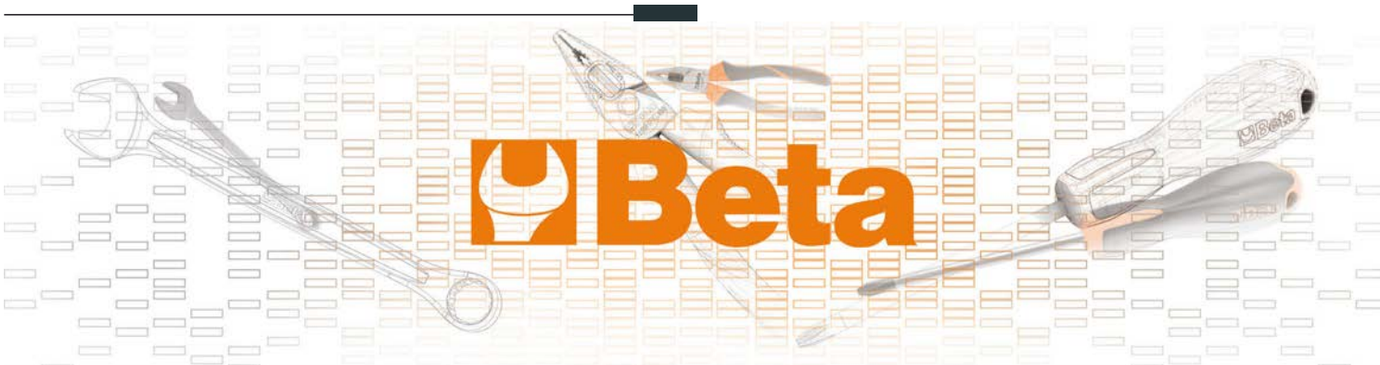
|---|---|---|
| C55MP | 1 | 055000374 |



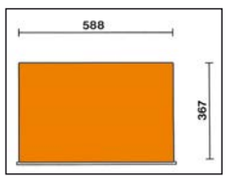
## C55B/1

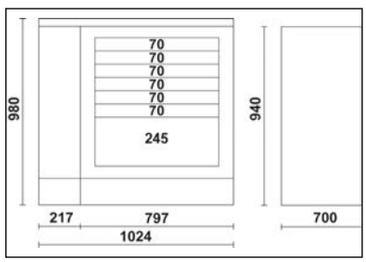
workbench, 1 m long, for workshop equipment combination, with fixed module C55M7

Worktop (1024x700 mm) covered with a shockproof, non-scratch PVC coat, resistant to hydrocarbons
• Universal leg with vertically adjustable feet
1 fixed module:
7 drawers (588x367 mm) with ball bearing slides
• Aluminium opening system throughout length of drawer
• Drawer bases protected by foamed rubber mats
• Front centralized lock

127 kg

| h | max |
|---|---|
| 70 mm | 30 kg |

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|---|---|---|
| C55BO/1 | 1 | 055000090 |
| C55BG/1 | 1 | 055000091 |

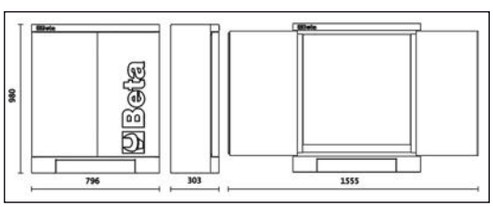
## C55C

Cargo cabinets, RSC55 system

Developed on the basis of accurate research conducted with trained, professional users, they provide ideal solutions for working comfortably and rationally.
The opening system of the perforated panels of the two doors also allows the interior surface to be made the most of.

Main features:
• 1 drawer with ball bearing slides.
• Easy tool layout according to users' needs.
• Easy wall mounting by means of two slots located at the back of the cabinet.
• Safety lock for both drawers and doors.
• Empty thermoformed tray for 1/2" sockets and accessories.

37 kg

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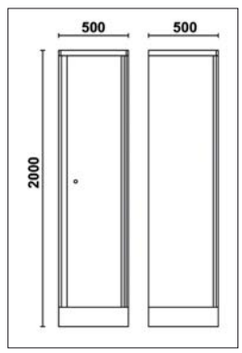
|---|---|---|
| C55C | 1 | 055000400 |

## C55A1

sheet metal single-door tool cabinet, for workshop equipment combination

- 3 removable, vertically adjustable shelves
- With lock
- Usable interior dimensions: 177x42x42 cm

50 kg



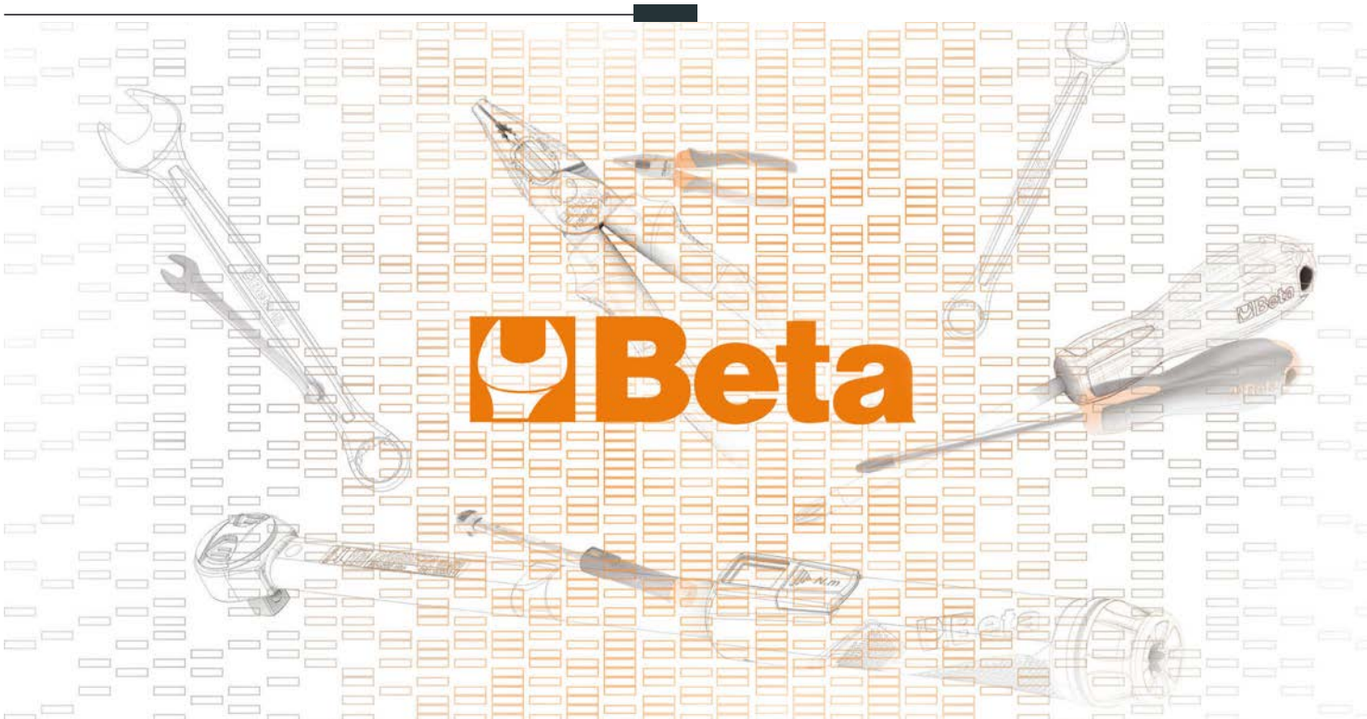

| | | | |
|---|---|---|---|
| **C55A1** | | 1 | 055000411 |

## C55A1/R42

interior shelf for tool cabinet C55A1/C55AT1

2,4 kg

| | | | |
|---|---|---|---|
| **C55A1/R42** | 420x420 mm | 1 | 055000461 |

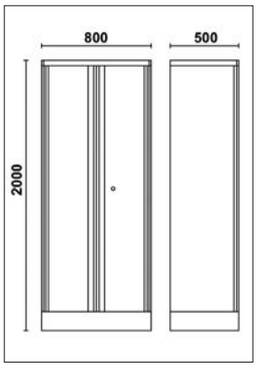


## C55A2

sheet metal two-door tool cabinet, for workshop equipment combination

- 3 removable, vertically adjustable shelves
- With lock
- Usable interior dimensions: 177x70x42 cm

72 kg

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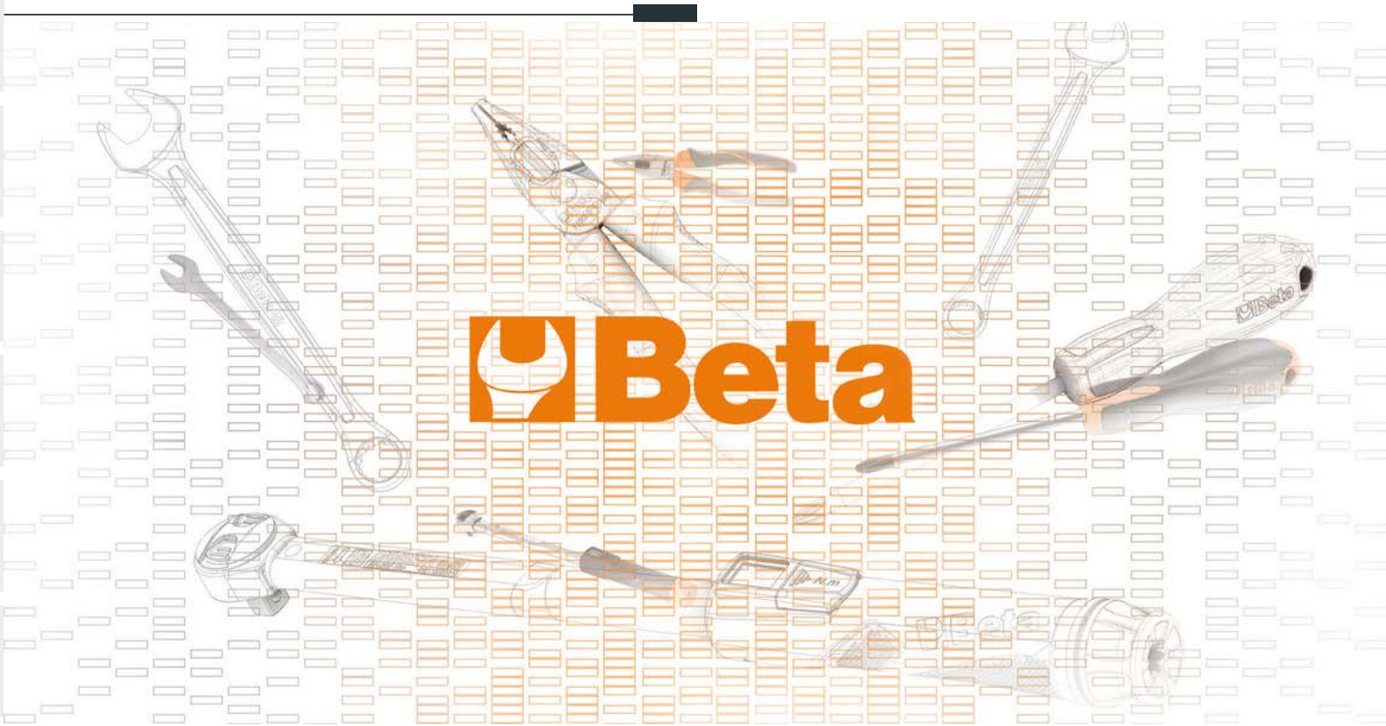
|---|---|---|---|
| **C55A2** | | 1 | 055000412 |

## C55A2/R70

interior shelf for tool cabinet C55A2/C55AT2

3,5 kg

| | | | |
|---|---|---|---|
| **C55A2/R70** | 700x420 mm | 1 | 055000462 |

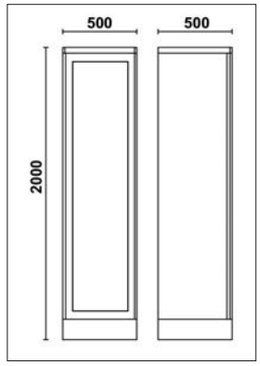


## C55AT1

sheet metal tool cabinet with clear polycarbonate door, for workshop equipment combination

- 3 removable, vertically adjustable shelves
- With lock
- Usable interior dimensions: 1770x420x420 mm

41 kg

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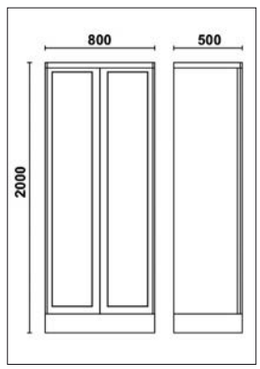
|---|---|---|
| C55AT1 | 1 | 055000421 |

## C55AT2

sheet metal tool cabinet with two clear polycarbonate doors, for workshop equipment combination

- 3 removable, vertically adjustable shelves
- With lock
- Usable interior dimensions: 1770x700x420 mm

56 kg




| | | |
|---|---|---|
| C55AT2 | 1 | 055000422 |

## C55STR

adhesive tape 25 m

allows to tailor the vertical tapes of garage furniture item C55

| | | | |
|---|---|---|---|
| C55STR-O/2011 | | 1 | 055000901 |
| C55STR-R/3000 | | 1 | 055000903 |
| C55STR-V/6029 | | 1 | 055000906 |
| C55STR-W/9016 | | 1 | 055000907 |
| C55STR-Y/1023 | | 1 | 055000905 |
| C55STR-B/5015 | | 1 | 055000904 |
| C55STR-GO/1035 | | 1 | 055000909 |
| C55STR-S/9006 | | 1 | 055000902 |

# Beta C45PRO

## PROFESSIONAL STURDY TIDY

NEW DESIGN

**C45PRO** is the professional workshop equipment that helps you make the most of your working space. Based on the new 2021 design and the technical improvements developed for the frame, it boasts an excellent quality/price ratio.

The **modular workshop equipment,** C45PRO, allows you to create your own work environment according to both the amount of space you have available and your usage requirements. This simple, flexible range based on predetermined combinations, can be expanded or changed in time. Alternatively, you can fully customize your workstation, starting with the worktops – available in stainless steel coated MDF or multi-ply wood – and supplementing them with the numerous parts and accessories you can choose from.

**Tailor your work environment to suit your needs. Make your workshop or garage look different. Choose from the preassembled solutions or create your workstation from scratch.**

## THE WORKSHOP EQUIPMENT, C45, HAS CHANGED ITS APPEARANCE AND PUT ON THE BETA COLOURS!

### C45PRO X

workshop equipment combination C45PRO

Combination comprising:
- Stainless steel coated MDF worktop (C45PX/3-2.0MT)
- Fixed module with 7 drawers (C45PRO M7)
- Fixed service module (C45PRO MS)
- Mobile roller cab with 7 drawers (C45PRO C7)
- Two-door tool cabinet (C45PRO AS2)
- 3 perforated tool panels (C45PRO PF)
- 3 wall-mounted cabinets (C45PRO PM)
- 3 wall brackets, wide type (C45PRO SL)
- 1 wall bracket, narrow type (C45PRO SS)

305 kg

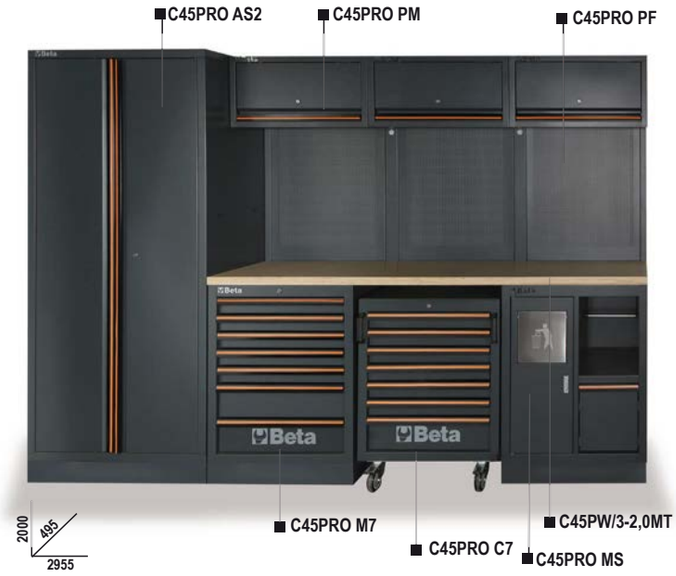
| | | | |
|---|---|---|---|
| C45PRO X | 1 | 045000001 | 2000 × 495 × 2955 |

## C45PRO W

workshop equipment combination C45PRO

Combination comprising:
- Multi-ply wood worktop (C45PW/3-2.0MT)
- Fixed module with 7 drawers (C45PRO M7)
- Fixed service module (C45PRO MS)
- Mobile roller cab with 7 drawers (C45PRO C7)
- Two-door tool cabinet (C45PRO AS2)
- 3 perforated tool panels (C45PRO PF)
- 3 wall-mounted cabinets (C45PRO PM)
- 3 wall brackets, wide type (C45PRO SL)
- 1 wall bracket, narrow type (C45PRO SS)

303 kg




| | | |
|---|---|---|
| C45PRO W | 1 | 045000002 |

## C45PRO AX

workshop equipment combination C45PRO

Combination comprising:
- Stainless steel coated MDF worktop (C45PX/3-2.0MT)
- Fixed module with 7 drawers (C45PRO M7)
- Fixed service module (C45PRO MS)
- Fixed two-door module (C45PRO MA)
- 3 wall-mounted cabinets (C45PRO PM)
- 3 perforated tool panels (C45PRO PF)
- 2 wall brackets, wide type (C45PRO SL)
- 2 wall brackets, narrow type (C45PRO SS)

206 kg

| | | |
|---|---|---|
| C45PRO AX | 1 | 045000003 |

## C45PRO AW

workbenches for workshop equipment combination C45PRO

Combination comprising:
- Multi-ply wood worktop (C45PW/3-2,0MT)
- Fixed module with 2 drawers (C45PRO MA)
- Fixed module with 7 drawers (C45PRO M7)
- Fixed service module (C45PRO MS)
- 3 wall-mounted cabinets (C45PRO PM)
- 3 perforated tool panels (C45PRO PF)
- 2 wall brackets, narrow type (C45PRO SS)
- 2 wall brackets, wide type (C45PRO SL)

204 kg

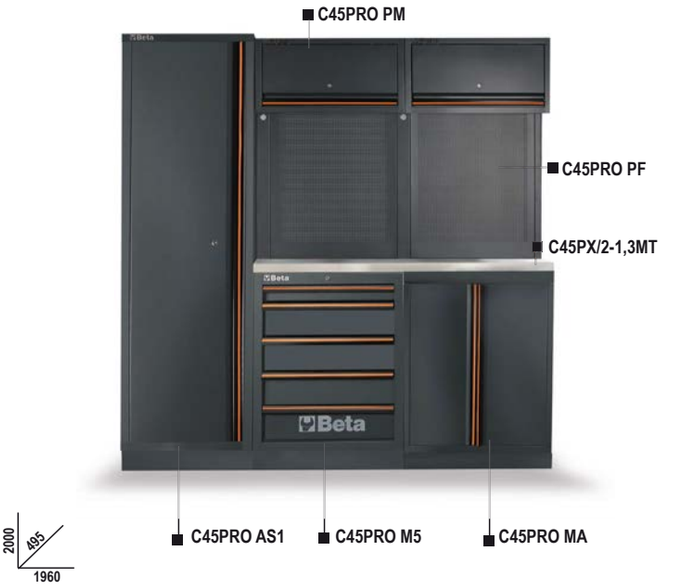
| | | |
|---|---|---|
| C45PRO AW | 1 | 045000004 |

## C45PRO BX

workshop equipment combination C45PRO

Combination comprising:
- Stainless steel coated MDF worktop (C45PX/2-1.3MT)
- Fixed module with 5 drawers (C45PRO M5)
- Fixed two-door module (C45PRO MA)
- Single-door tool cabinet (C45PRO AS1)
- 2 wall-mounted cabinets (C45PRO PM)
- 2 perforated tool panels (C45PRO PF)
- 2 wall brackets, wide type (C45PRO SL)
- 1 wall bracket, narrow type (C45PRO SS)

191 kg







| | | | |
|---|---|---|---|
| C45PRO BX | 1 | 045000021 |

## C45PRO BW

workshop equipment combination C45PRO

Combination comprising:
- Multi-ply wood worktop (C45PW/2-1.3MT)
- Fixed module with 5 drawers (C45PRO M5)
- Fixed two-door module (C45PRO MA)
- Single-door tool cabinet (C45PRO AS1)
- 2 wall-mounted cabinets (C45PRO PM)
- 2 perforated tool panels (C45PRO PF)
- 2 wall brackets, wide type (C45PRO SL)
- 1 wall bracket, narrow type (C45PRO SS)

190 kg

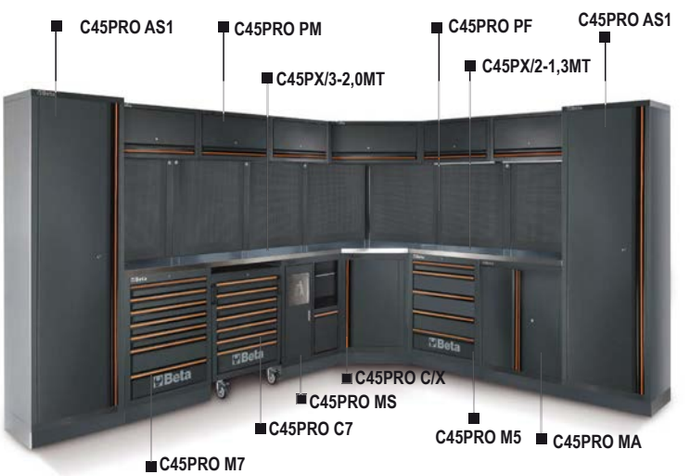
| | | | |
|---|---|---|---|
| C45PRO BW | 1 | 045000022 |

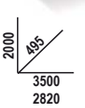
## C45PRO DX

workshop equipment combination C45PRO

Combination comprising:
- 1 stainless steel coated MDF worktop (C45PX/3-2,0MT)
- 1 stainless steel coated MDF worktop (C45PX/2-1,3MT)
- 1 fixed module with 7 drawers (C45PRO M7)
- 1 mobile roller cab with 7 drawers (C45PRO C7)
- 1 fixed service module (C45PRO MS)
- 1 fixed module with 5 drawers (C45PRO M5)
- 1 two-door fixed module (C45PRO MA)
- 1 self-supporting complete corner with stainless steel coated MDF worktop (C45PRO C/X)
- 5 perforated tool panels (C45PRO PF)
- 5 wall-mounted cabinets (C45PRO PM)
- 7 wall brackets, wide type (C45PRO SL)
- 2 wall brackets, narrow type (C45PRO SS)
- 2 single-door cabinets (C45PRO AS1)

572,3 kg

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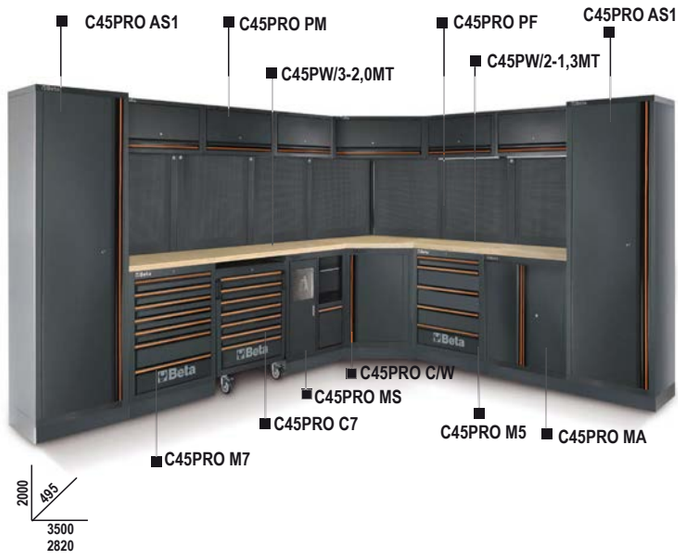
|---|---|---|---|
| C45PRO DX | 1 | 045000031 |

## C45PRO DW

workshop equipment combination C45PRO

Combination comprising:
- 1 multi-ply wood worktop (C45PW/3-2.0MT)
- 1 multi-ply wood worktop (C45PW/2-1.3MT)
- 1 fixed module with 7 drawers (C45PRO M7)
- 1 mobile roller cab with 7 drawers (C45PRO C7)
- 1 fixed service module (C45PRO MS)
- 1 fixed module with 5 drawers (C45PRO M5)
- 1 fixed two-door module (C45PRO MA)
- 1 self-supporting complete corner with wood worktop (C45PRO C/W)
- 5 perforated tool panels (C45PRO PF)
- 5 wall-mounted cupboards (C45PRO PM)
- 7 wall brackets, wide type (C45PRO SL)
- 2 wall brackets, narrow type (C45PRO SS)
- 2 single-door cabinets (C45PRO AS1)

568,5 kg

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|---|---|---|
| C45PRO DW | 1 | 045000032 |

## C45PRO EX

workshop equipment combination C45PRO

Combination comprising:

- 2 perforated tool panels (C45PRO PF)
- 2 wall-mounted cabinets (C45PRO PM)
- 2 wall brackets, wide type (C45PRO SL)
- 1 wall bracket, narrow type (C45PRO SS)
- 1 single-door cabinet (C45PRO AS1)

- Fixed module with 7 drawers and stainless steel coated MDF worktop (C45PRO M7A/X):
- 1 drawer, 1248x406 mm
- 6 drawers, 782x406 mm
  5 drawers, 85 mm high
  1 drawer, 155 mm high
- 1 storage compartment with intermediate shelf and door

174,6 kg

| | | |
|---|---|---|
| C45PRO EX | 1 | 045000033 |

## C45PRO EW

workshop equipment combination C45PRO

Combination comprising:

- 2 perforated tool panels (C45PRO PF)
- 2 wall-mounted cabinets (C45PRO PM)
- 2 wall brackets, wide type (C45PRO SL)
- 1 wall bracket, narrow type (C45PRO SS)
- 1 single-door tool cabinet (C45PRO AS1)

- Fixed module with 7 drawers and multi-ply wood worktop (C45PRO M7A/W):
- 1 drawer, 1248x406 mm
- 6 drawers, 782x406 mm
  5 drawers, 85 mm high
  1 drawer, 155 mm high
- 1 storage compartment with intermediate shelf and door

173,6 kg

| | | |
|---|---|---|
| C45PRO EW | 1 | 045000034 |

## C45PRO CX

workshop equipment combination C45PRO

Combination comprising:
- Worktop made of stainless steel coated MDF (C45PX/2-1.3MT)
- Fixed module with 7 drawers (C45PRO M7)
- Fixed service module (C45PRO MS)
- Single-door cabinet (C45PRO AS1)
- 2 wall-mounted cabinets (C45PRO PM)
- 2 perforated tool panels (C45PRO PF)
- 2 wall brackets, wide type (C45PRO SL)
- 1 wall bracket, narrow type (C45PRO SS)

199 kg

| | | |
|---|---|---|
| C45PRO CX | 1 | 045000023 |

## C45PRO CW

workshop equipment combination C45PRO

Combination comprising:
- Multi-ply wood worktop (C45PW/2-1.3MT)
- Fixed module with 7 drawers (C45PRO M7)
- Fixed service module (C45PRO MS)
- Single-door cabinet (C45PRO AS1)
- 2 wall-mounted cabinets (C45PRO PM)
- 2 perforated tool panels (C45PRO PF)
- 2 wall brackets, wide type (C45PRO SL)
- 1 wall bracket, narrow type (C45PRO SS)

198 kg

| | | |
|---|---|---|
| C45PRO CW | 1 | 045000024 |

## C45PRO BPX-1,3

workbenches for workshop equipment combination C45PRO

Combination comprising:
- Worktop made of stainless steel coated MDF (C45PX/2-1.3MT)
- Fixed module with 7 drawers (C45PRO M7)
- Fixed module with 5 drawers (C45PRO M5)
- 2 perforated tool panels (C45PRO PF)
- 1 wall bracket, wide type (C45PRO SL)
- 2 wall brackets, narrow type (C45PRO SS)

140 kg

| | | |
|---|---|---|
| C45PRO BPX-1,3 | 1 | 045000041 |

## C45PRO BPW-1,3

workbenches for workshop equipment combination C45PRO

Combination comprising:
- Multi-ply wood worktop (C45PW/2-1.3MT)
- Fixed module with 7 drawers (C45PRO M7)
- Fixed module with 5 drawers (C45PRO M5)
- 2 perforated tool panels (C45PRO PF)
- 1 wall bracket, wide type (C45PRO SL)
- 2 wall brackets, narrow type (C45PRO SS)

139 kg

| | | | |
|---|---|---|---|
| C45PRO BPW-1,3 | 1 | 045000051 |

## C45PRO BPX-2,0

workbenches for workshop equipment combination C45PRO

Combination comprising:
- Worktop made of stainless steel coated MDF (C45PX/3-2.0MT)
- Fixed module with 7 drawers (C45PRO M7)
- Fixed module with 5 drawers (C45PRO M5)
- 3 perforated tool panels (C45PRO PF)
- 2 wall brackets, wide type (C45PRO SL)
- 2 wall brackets, narrow type (C45PRO SS)

158 kg

| | | | |
|---|---|---|---|
| C45PRO BPX-2,0 | 1 | 045000042 |

## C45PRO BPW-2,0

workbenches for workshop equipment combination C45PRO

Combination comprising:
- Multi-ply wood worktop (C45PW/3-2,0MT)
- Fixed module with 7 drawers (C45PRO M7)
- Fixed module with 5 drawers (C45PRO M5)
- 3 perforated tool panels (C45PRO PF)
- 2 wall brackets, wide type (C45PRO SL)
- 2 wall brackets, narrow type (C45PRO SS)

156 kg

| | | | |
|---|---|---|---|
| C45PRO BPW-2,0 | 1 | 045000052 |

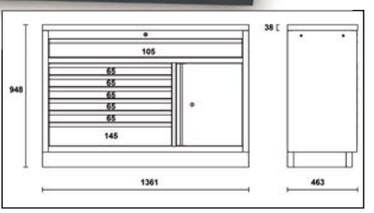
## C45PRO M7A/X

fixed module with 7 drawers, for workshop equipment combination C45PRO

- Stainless steel coated MDF worktop, 1360 mm long
- 1 drawer (1248x406 mm) with ball bearing slides
- 6 drawers (782x406 mm) with ball bearing slides:
5 drawers, 85 mm high
1 drawer, 155 mm high
- Drawer bases protected by foamed rubber mats
- Front centralized lock
- With vertically adjustable feet
- Can be fitted with thermoformed trays
- 1 storage compartment with intermediate shelf and door, interior dimensions 504x424x597 mm

81 kg

| h | max |
|---|---|
| 65 mm | 25 kg |
| 105 mm | 40 kg |
| 145 mm | 30 kg |




| | | |
|---|---|---|
| C45PRO M7A/X | 1 | 045000161 |

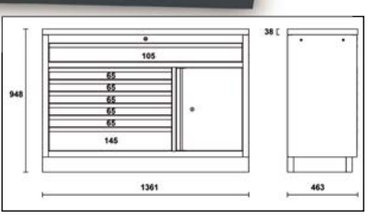
## C45PRO M7A/W

fixed module with 7 drawers, for workshop equipment combination C45PRO

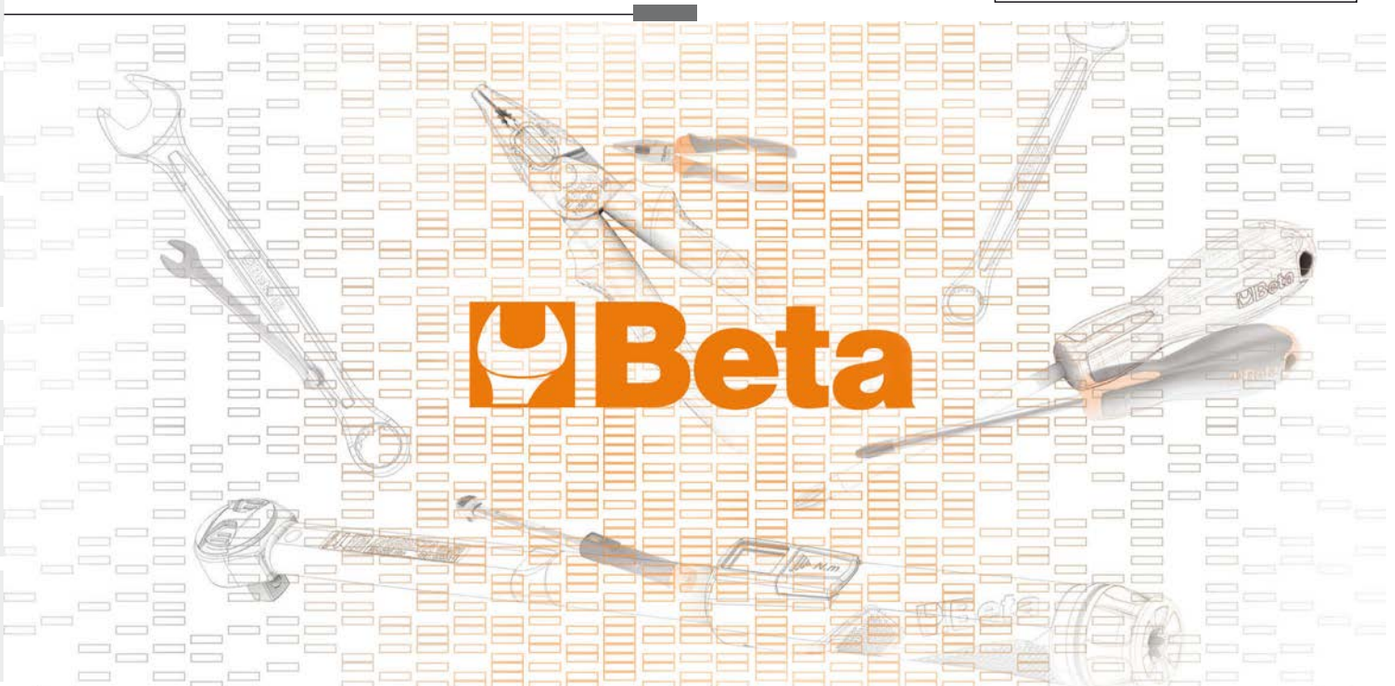
- Multi-ply wood worktop, 1360 mm long
- 1 drawer (1248x406 mm) with ball bearing slides
- 6 drawers (782x406 mm) with ball bearing slides:
5 drawers, 85 mm high
1 drawer, 155 mm high
- Drawer bases protected by foamed rubber mats
- Front centralized lock
- With vertically adjustable feet
- Can be fitted with thermoformed trays
- 1 storage compartment with intermediate shelf and door, interior dimensions 504x424x597 mm

80 kg

| h | max |
|---|---|
| 65 mm | 25 kg |
| 105 mm | 40 kg |
| 145 mm | 30 kg |




| | | |
|---|---|---|
| C45PRO M7A/W | 1 | 045000171 |



## C45PX/1-0,7MT

worktop made of stainless steel coated MDF, 680x463 mm,
for workbenches for workshop equipment combination C45PRO

• Thickness: 38 mm

6 kg

| | | |
|---|---|---|
| C45PX/1-0,7MT | 1 | 045000101 |

## C45PW/1-0,7MT

multi-ply wood worktop, 680x463 mm,
for workbenches for workshop equipment combination C45PRO

• Thickness: 38 mm
• Holes for a vice (1599P/150, to be ordered separately)

6 kg

| | | |
|---|---|---|
| C45PW/1-0,7MT | 1 | 045000111 |

## C45PX/2-1,3MT

worktop made of stainless steel coated MDF, 1360x463 mm,
for workbench, for workshop equipment combination C45PRO

• Thickness: 38 mm

21 kg

| | | |
|---|---|---|
| C45PX/2-1,3MT | 1 | 045000103 |

## C45PW/2-1,3MT

multi-ply wood worktop, 1360x463 mm,
for workbench, for workshop equipment combination C45PRO

• Thickness: 38 mm
• Holes for a vice (1599P/150, to be ordered separately)

20 kg

| | | |
|---|---|---|
| C45PW/2-1,3MT | 1 | 045000113 |

## C45PX/3-2,0MT

worktop made of stainless steel coated MDF, 2040x463 mm,
for workbench, for workshop equipment combination C45PRO

• Thickness: 38 mm

31,8 kg

| | | |
|---|---|---|
| C45PX/3-2,0MT | 1 | 045000110 |

## C45PW/3-2,0MT

multi-ply wood worktop, 2040x463 mm, for workbench,
for workshop equipment combination C45PRO

• Thickness: 38 mm
• Holes for a vice (1599P/150, to be ordered separately)

30 kg

| | | |
|---|---|---|
| C45PW/3-2,0MT | 1 | 045000120 |

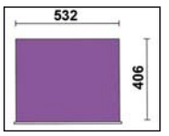
## C45PRO C7

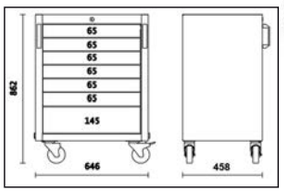
mobile roller cab with 7 drawers, for workshop equipment combination C45PRO

- 7 drawers (532x406 mm) with ball bearing slides
- 4 steering wheels, Ø 100 mm (1 with brake)
- Drawer bases protected by foamed rubber mats
- Front centralized lock
- With vertically adjustable feet
- Can be fitted with thermoformed trays
- Handles built into frame for improved ease of handling

50 kg

| h | max |
|---|---|
| 65 mm | 25 kg |
| 145 mm | 30 kg |



| | | |
|---|---|---|
| C45PRO C7 | 1 | 045000227 |

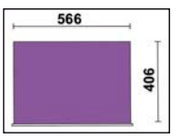
## C45PRO M4

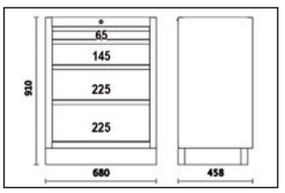
fixed module with 4 drawers, for workshop equipment combination C45PRO

- 4 drawers (566x406 mm) with ball bearing slides
- Drawer bases protected by foamed rubber mats
- Front centralized lock
- With vertically adjustable feet
- Can be fitted with thermoformed trays

45,7 kg

| h | max |
|---|---|
| 65 mm | 25 kg |
| 145 mm | 30 kg |
| 225 mm | 30 kg |



| | | |
|---|---|---|
| C45PRO M4 | 1 | 045000234 |

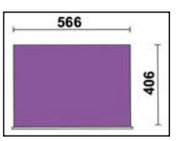
## C45PRO M5

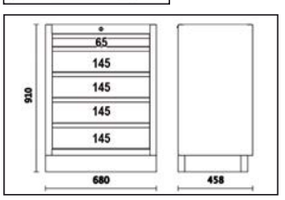
fixed module with 5 drawers, for workshop equipment combination C45PRO

- 5 drawers (566x406 mm) with ball bearing slides
- Drawer bases protected by foamed rubber mats
- Front centralized lock
- With vertically adjustable feet
- Can be fitted with thermoformed trays

49,3 kg

| h | max |
|---|---|
| 65 mm | 25 kg |
| 145 mm | 30 kg |



| | | |
|---|---|---|
| C45PRO M5 | 1 | 045000235 |

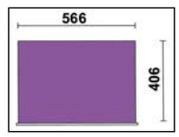
## C45PRO M7

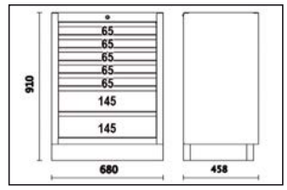
fixed module with 7 drawers, for workshop equipment combination C45PRO

- 7 drawers (566x406 mm) with ball bearing slides
- Drawer bases protected by foamed rubber mats
- Front centralized lock
- With vertically adjustable feet
- Can be fitted with thermoformed trays

54,3 kg

| h | max |
|---|---|
| 65 mm | 25 kg |
| 145 mm | 30 kg |



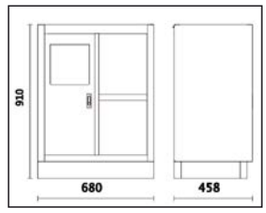
| | | |
|---|---|---|
| C45PRO M7 | 1 | 045000237 |

## C45PRO MS

fixed service module for workshop equipment combination C45PRO

- Built-in waste bin
- Paper roll compartment
- With vertically adjustable feet

37 kg



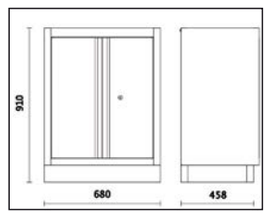
| | | |
|---|---|---|
| C45PRO MS | 1 | 045000239 |

## C45PRO MA

fixed two-door module for workshop equipment combination C45PRO

- With lock
- Vertically adjustable interior shelf
- Interior dimensions 670x420 mm
- With vertically adjustable feet

29,4 kg



| | | |
|---|---|---|
| C45PRO MA | 1 | 045000232 |

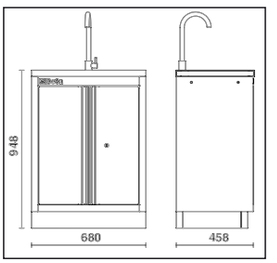
## C45PRO ML

fixed module with built-in sink, for workshop equipment combination C45PRO

Technical specifications:
- Stainless steel basin.
- Supplied complete with:
  1 mixer tap
  1 drain unit
  1 sink stopper
  1 filter cap
  1 soap dispenser

Fixed two-door module with lock:
- Useful interior dimensions 600x603x416 mm
- With vertically adjustable feet

44 kg




| | | |
|---|---|---|
| C45PRO ML | 1 | 045000233 |

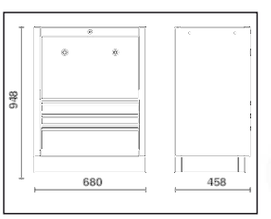
## C45PRO ACT

fixed module with 3 drawers and 2 built-in reels for workshop equipment combination C45PRO

- 3 drawers (566x406 mm) with ball bearing slides
- Drawer bases protected by foamed rubber mats
- Front centralized lock
- With vertically adjustable feet

Supplied complete with:
- 1 built-in compressed air or cold water hose reel, Ø 8 mm, length 10 m, item 1900S 8x10
- 1 built-in electrical cable reel with Schuko socket, length 15 m, item 1844 15-H05SCK

47 kg




| | | |
|---|---|---|
| C45PRO ACT | 1 | 045000247 |

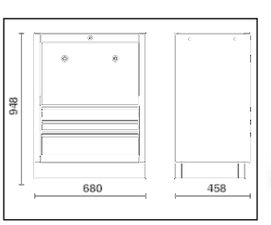
## C45PRO TC

fixed reel module with 3 drawers for workshop equipment combination C45PRO

- 3 drawers (566x406 mm) with ball bearing slides
- Drawer bases protected by foamed rubber mats
- Front centralized lock
- With vertically adjustable feet

- Can accommodate 2 reels, to be chosen from the following:
  - 2 compressed air or cold water hose reels, Ø 8 mm, length 10 m, item 1900S 8x10
  - 2 electrical cable reels with Schuko type sockets, length 15 m, item 1844, 15-H05SCK
  - 1 compressed air or cold water hose reel, Ø 8 mm, length 10 m, item 1900S 8x10, and 1 cable reel with Schuko type socket, length 15 m, item 1844, 15-H05SCK

38 kg




| | | |
|---|---|---|
| C45PRO TC | 1 | 045000249 |

## C45PRO SS

side wall brackets, narrow type, for workshop equipment combination C45PRO

• Dimensions 1420x32.5x30 mm

1,5 kg

| | | |
|---|---|---|
| C45PRO SS | 1 | 045000333 |

## C45PRO SL

side wall brackets, wide type, for workshop equipment combination C45PRO

• Dimensions 1420x65x30 mm

2 kg

| | | |
|---|---|---|
| C45PRO SL | 1 | 045000366 |

## C45PRO PA

tool wall system for workshop equipment combination C45PRO

• Aluminium shutter, vertically adjustable, with lock.
• Two removable perforated tool panels.
• Matches 1.3-m-long workbench.

46,8 kg

| | | |
|---|---|---|
| C45PRO PA | 1 | 045000280 |

## C45PRO PF

perforated tool panel for workshop equipment combination C45PRO

• Dimensions 1052x614.5x24 mm

5,3 kg

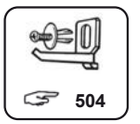
| | | |
|---|---|---|
| C45PRO PF | 1 | 045000313 |

## C45PRO PFE

perforated tool panel for workshop equipment combination C45PRO

- Dimensions 1052x614,5x24 mm
- Can be fitted with 1 power socket (not included)

5,3 kg



| | | | |
|---|---|---|---|
| C45PRO PFE | 1 | 045000312 | |

## C45PRO C/X

self-supporting complete corner for workshop equipment combination C45PRO

- Suspended corner cabinet with gas springs, making it easier to open and close door
- 2 perforated tool panels (1052x860)
- Stainless steel corner worktop (860x860 mm)
- Lower corner module with large storage compartment
- With vertically adjustable feet

94 kg

| | | | |
|---|---|---|---|
| C45PRO C/X | 1 | 045000401 | |

## C45PRO C/W

self-supporting complete corner for workshop equipment combination C45PRO

- Suspended corner cabinet with lock and gas springs, making it easier to open and close door
- 2 perforated tool panels (1052x860 mm)
- Multi-ply wood corner worktop (860x860 mm)
- Lower corner module with large storage compartment
- With vertically adjustable feet

93 kg

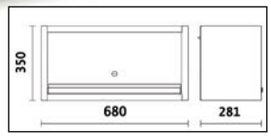
| | | | |
|---|---|---|---|
| C45PRO C/W | 1 | 045000411 | |

## C45PRO PM

wall-mounted cabinet for workshop equipment combination C45PRO

- With gas springs, making it easier to open and close door

10 kg



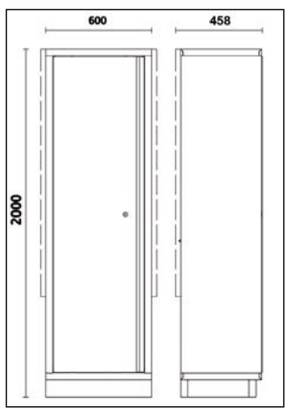

| | | |
|---|---|---|
| C45PRO PM | 1 | 045000302 |

## C45PRO AS1

sheet metal single-door tool cabinet with bracket, for workshop equipment combination C45PRO

- 4 removable, vertically adjustable shelves
- With lock
- Interior dimensions 590x430 mm
- With vertically adjustable feet

57,5 kg



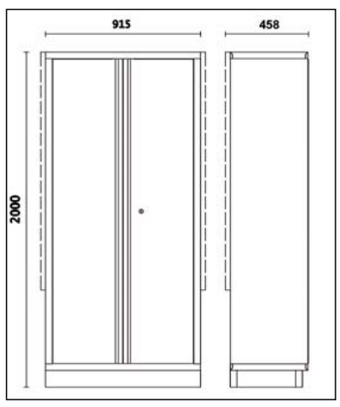
| | | |
|---|---|---|
| C45PRO AS1 | 1 | 045000451 |

## C45PRO AS2

sheet metal two-door tool cabinet with bracket, for workshop equipment combination C45PRO

- 4 removable, vertically adjustable shelves
- With lock
- Interior dimensions 910x430 mm
- With vertically adjustable feet

80 kg



| | | |
|---|---|---|
| C45PRO AS2 | 1 | 045000481 |

# ACCESSORIES RSC55 - C45PRO

## C45LMP

LED lamp for workshop equipment combination C45PRO - RSC55

- Length: 630 mm
- Easy to fix under wall cabinet through adhesives
- ON/OFF switch
- 570 lumens

307 g

| | | | |
|---|---|---|---|
| C45LMP | 1 | 045000320 | |

## PM/5C

5-tray tool holder, made of plastic, with support

- Interior dimensions of tray: 95x120 mm
- Can be used with tool wall systems C45PRO and RSC55

1,8 kg

| | | | |
|---|---|---|---|
| PM/5C | 1 | 088880450 | |

## PM/6C

6-tray tool holder, made of plastic, with support

- Interior dimensions of tray: 80x60 mm
- Can be used with tool wall systems C45PRO and RSC55

970 g

| | | | |
|---|---|---|---|
| PM/6C | 1 | 088880440 | |

## CP

wall-mounted bottle holder rack, made of steel

- Can be used with wall-mounted tool panels

| | | | |
|---|---|---|---|
| CP | 1 | 088880470 | |

## SPC

computer wall bracket

- Matches tool wall systems RSC55 and C45PRO
- Dimensions 398x243x138 mm

| | | | |
|---|---|---|---|
| SPC | 1 | 088880480 | |

## ROLLER CABS & CONTAINERS

| | | | | N° of pieces | RSC22 | RSC23 | RSC23C | RSC23T | RSC24/5 | RSC24/6 | RSC24/7 RSC24A/7 | RSC24/8 RSC24A/8 | RSC24AXL/9 | C25 | C27S | RSRSC28 | C30M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | RSC24A/6 C37/6 C39/6 | RSC24AXL/7 RSC24L-CAB C39/7 | RSC24AXL/8 C39/8 | | | | | | |
| | | | | | | | | | | | RSC24L/7 C37/7 C37A/7 | RSC24AXL/8 C37/8 | | | | | | |
| LOOSE TOOLS | without supports | 5902MT | Earth moving | 106 | 462 | 462 | 462 | | | | | | | | | | |
| | | 5902MT/AS | Earth moving | 99 | 463 | 463 | 463 | | | | | | | | | | |
| | | 5902VI | Industrial maintenance | 107 | 429 | 429 | | 429 | | | | | | 429 | 429 | | |
| | | 5904VG/3 | Car repair | 132 | | | | | 466 | 466 | 466 | 466 | | | | | |
| | | 5905VG/1 | Car repair | 94 | | | | | | | | | | 469 | | | |
| | | 5905VG/2 | Car repair | 118 | | | | | | | | | | 470 | | | |
| | | 5910VI/3 | Industrial maintenance | 297 | | | | | | | | | | | | | 433 |
| | with supports | 5954VG | Car repair | 138 | | | | | | | | | | | | | |
| | | 5954VI | Industrial maintenance | 133 | | | | | | | | | | | | | |
| | | 5957U-P | Industrial maintenance | 133 | | | | | | | | | | | | | |
| | | 5957VG | Car repair | 174 | | | | | | | | | | | | | |
| | | 5957VI | Industrial maintenance | 162 | | | | | | | | | | | | | |
| | | 5958U | Industrial maintenance | 85 | | | | | | | | | | | | | |
| TRAYS | soft modules | 5904VG/2M | Car repair | 170 | | | | 464 | 464 | 464 | 464 | 464 | 464 | | | 464 | |
| | | 5904VU/1M | Industrial maintenance | 91 | | | | 438 | 438 | 438 | 438 | 438 | 438 | | | 438 | |
| | | 5904VU/2M | Industrial maintenance | 151 | | | | 438 | 438 | 438 | 438 | 438 | 438 | | | 438 | |
| | | 5927VU/M | Industrial maintenance | 108 | 448 | 448 | 448 | | | | | | | | 448 | | |
| | | 5935ET/1MB | Electrotechnical | 96 | | | | | | | | | | | | | |
| | | 5935VG/1MB | Car repair | 98 | | | | | | | | | | | | | |
| | | 5935VI/2MB | Industrial maintenance | 133 | | | | | | | | | | | | | |
| | | 5945VUM | Industrial maintenance | 231 | | | | | | | | | | | | | |
| | | 5988H/7M | Bicycle and motorcycle repairs | 333 | | | | | | | | 454 | 454 | | | 454 | |
| | | 5988L/4M | Car repair | 273 | | | | | 455 | 455 | 455 | 455 | 455 | | | | |
| | | 5988U6/M | Industrial maintenance | 214 | | | | | | | 456 | 456 | 456 | | | 456 | |
| | | 5988U/7M | Industrial maintenance | 215 | | | | 444 | 444 | 444 | 444 | 444 | 444 | | | 444 | |
| | | 5988VHB-MQ | Electrotechnical | 66 | | | | 460 | 460 | 460 | 460 | 460 | 460 | | | 460 | |
| | foam trays | 5904VI/1T | Industrial maintenance | 98 | | | | 429 | 429 | 429 | 429 | 429 | 429 | | | 429 | |
| | | 5904VI/2T | Industrial maintenance | 153 | | | | 430 | | | 430 | 430 | 430 | | | 430 | |
| | | 5904VI/3T | Industrial maintenance | 142 | | | | | | | | 431 | 431 | | | 431 | |
| | | 5904VG/2T | Car repair | 99 | | | | 465 | 465 | 465 | 465 | 465 | 465 | | | 465 | |
| | | 5904VG/3T | Car repair | 102 | | | | 467 | 467 | 467 | 467 | 467 | 467 | | | 467 | |
| | | 5904VG/5T | Car repair | 153 | | | | 468 | | 468 | 468 | 468 | 468 | | | 468 | |
| | | 5904VU/2T | Industrial maintenance | 104 | | | | 439 | 439 | 439 | 439 | 439 | 439 | | | 439 | |
| | | 5904VU/3T | Industrial maintenance | 146 | | | | 440 | 440 | 440 | 440 | 440 | 440 | | | 440 | |
| | | 5904VU/4T | Industrial maintenance | 197 | | | | 441 | 441 | 441 | 441 | 441 | 441 | | | | |
| | | 5908VG/2T | Car repair | 212 | | | | | | | | | | | | 471 | |
| | | 5908VI/2T | Industrial maintenance | 232 | | | | | | | | 432 | 432 | | | 432 | |
| | | 5908VU/2T | Industrial maintenance | 161 | | | | 442 | | 442 | 442 | 442 | 442 | | | 442 | |
| | | 5910VG/3T | Car repair | 202 | | | | | | | | | | | | | 472 |
| | | 5910VI/3T | Industrial maintenance | 261 | | | | | | | | | | | | | 434 |
| | | 5938U/2T | Industrial maintenance | 210 | | | | | | | | | | | | | |

| | | | | N° of pieces | C35 | C38 | C39MD C39SM | C39T | C45PRO | C50S | C54S C55C | RSC55 | RSC55PS RSC55PSE | C57SA C57SB C57SC C57SD C57SP | C58P | C59A C59C | C59B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LOOSE TOOLS | without supports | 5902MT | Earth moving | 106 | | | | 462 | | | | | | | | | |
| | | 5902MT/AS | Earth moving | 99 | | | | 463 | | | | | | | | | |
| | | 5902VI | Industrial maintenance | 107 | | | | | | | | | | | | | |
| | | 5904VG/3 | Car repair | 132 | | | | | | | | 466 | | | | 466 | 466 |
| | | 5905VG/1 | Car repair | 94 | | | | | | | | | | | | | |
| | | 5905VG/2 | Car repair | 118 | | | | | | | | | | | | | |
| | | 5910VI/3 | Industrial maintenance | 297 | | | | | | | | | | | | | |
| | with supports | 5954VG | Car repair | 138 | | | | | | | 476 | | | | | | |
| | | 5954VI | Industrial maintenance | 133 | | | | | | | 437 | 437 | | | | | |
| | | 5957U-P | Industrial maintenance | 133 | | | | | | | | | 450 | 450 | | | |
| | | 5957VG | Car repair | 174 | | | | | | | | | 477 | 477 | | | |
| | | 5957VI | Industrial maintenance | 162 | | | | | | | | | | 436 | | | |
| | | 5958U | Industrial maintenance | 85 | | | | | 451 | | | 451 | | | 451 | | |
| TRAYS | soft modules | 5904VG/2M | Car repair | 170 | | | 464 | 464 | | | | 464 | | | | 464 | 464 |
| | | 5904VU/1M | Industrial maintenance | 91 | | | 438 | 438 | | 438 | | 438 | | | | 438 | 438 |
| | | 5904VU/2M | Industrial maintenance | 151 | | | 438 | 438 | | | | 438 | | | | 438 | 438 |
| | | 5927VU/M | Industrial maintenance | 108 | | | | | | | | | | | | | |
| | | 5935ET/1MB | Electrotechnical | 96 | 457 | | | | | | | | | | | | |
| | | 5935VG/1MB | Car repair | 98 | 473 | | | | | | | | | | | | |
| | | 5935VI/2MB | Industrial maintenance | 133 | 435 | | | | | | | | | | | | |
| | | 5945VUM | Industrial maintenance | 231 | | 475 | | | 475 | | | | | | | | |
| | | 5988H/7M | Bicycle and motorcycle repairs | 333 | | | | | | | | 454 | | | | | 454 |
| | | 5988L/4M | Car repair | 273 | | | 455 | 455 | | | | 455 | | | | 455 | 455 |
| | | 5988U6/M | Industrial maintenance | 214 | | | 456 | | | | | 456 | | | | | 456 |
| | | 5988U/7M | Industrial maintenance | 215 | | | 444 | | | | | 444 | | | | 444 | 444 |
| | | 5988VHB-MQ | Electrotechnical | 66 | | | 460 | 460 | | 460 | | 460 | | | | 460 | 460 |
| | foam trays | 5904VI/1T | Industrial maintenance | 98 | | | 429 | 429 | | 429 | | 429 | | | | 429 | 429 |
| | | 5904VI/2T | Industrial maintenance | 153 | | | 430 | | | | | 430 | | | | 430 | 430 |
| | | 5904VI/3T | Industrial maintenance | 142 | | | 431 | | | | | 431 | | | | | 431 |
| | | 5904VG/2T | Car repair | 99 | | | 465 | 465 | | 465 | | 465 | | | | 465 | 465 |
| | | 5904VG/3T | Car repair | 102 | | | 467 | 467 | | | | 467 | | | | 467 | 467 |
| | | 5904VG/5T | Car repair | 153 | | | 468 | | | | | 468 | | | | 468 | 468 |
| | | 5904VU/2T | Industrial maintenance | 104 | | | 439 | 439 | | | | 439 | | | | 439 | 439 |
| | | 5904VU/3T | Industrial maintenance | 146 | | | 440 | 440 | | | | 440 | | | | 440 | 440 |
| | | 5904VU/4T | Industrial maintenance | 197 | | | 441 | 441 | | | | 441 | | | | 441 | 441 |
| | | 5908VG/2T | Car repair | 212 | | | | | | | | | | | | | |
| | | 5908VI/2T | Industrial maintenance | 232 | | | | | | | | | | | | | 432 |
| | | 5908VU/2T | Industrial maintenance | 161 | | | 442 | | | | | 442 | | | | 442 | 442 |
| | | 5910VG/3T | Car repair | 202 | | | | | | | | | | | | | |
| | | 5910VI/3T | Industrial maintenance | 261 | | | | | | | | | | | | | |
| | | 5938U/2T | Industrial maintenance | 210 | | 449 | | | | | | | | | | | |

## 5902VI

assortment of 107 tools

### ► Industrial maintenance

| Quantity | Description | Beta N. |
|---|---|---|
| 6 | pin punches Ø 2 - 3 - 4 - 5 - 6 - 8 mm | 31 |
| 1 | centre punch Ø 3 mm | 32 |
| 1 | flat chisels, ribbed type 200 mm | 35 |
| 26 | combination wrenches 6÷32 mm | 42/S26 |
| 12 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 - 21x23 - 24x26 - 25x28 - 30x32 mm | 55/S12 |
| 9 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96N/SC9 |
| 1 | adjustable wrench 300 mm | 111 |
| 13 | 1/2" square drive hexagon sockets with rail ◌ 10÷22 mm | 920A/SB13 |
| 1 | 1/2" drive extension bar 125 mm | 920/21 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | heavy duty diagonal cutting nippers, bi-material handles, industrial finish ⧓ 160 mm | 1084GBM |
| 1 | compound leverage shears, straight blades 250 mm | 1122 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, bi-material handles, industrial finish 〓 180 mm | 1150GBM |
| 1 | extra-long needle knurled nose pliers, bi-material handles, industrial finish ◖ 160 mm | 1166GBM |
| 8 | screwdrivers for slotted head screws ◖ 2,5x50 - 3x75 - 3,5x100 - 4x125 - 5,5x125 - 6,5x150 - 8x200 - 10x200 mm | 1260 |
| 4 | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 - PH3x150 mm | 1262 |
| 1 | engineer's hammer 500 g | 1370 |
| 1 | dead blow hammer Ø 40 mm | 1392 |
| 1 | engineer's scriber | 1688A |
| 1 | measuring tape 5 m | 1692 |
| 1 | metric feeler gauge | 1708/20 |
| 5 | Set of 5 second-cut files, with handles 200 mm | 1719BMA...S5 |
| 1 | hacksaw frame, aluminium handle | 1726BM |
| 1 | metal oil can 300 cc | 1751 |
| 1 | snap - off blade utility knife | 1771BM |
| 1 | magnetic, articulated lamp with high-brightness LEDs | 1837F |

| | |
|---|---|
| **5902VI** | 059021060 |

**Assortment recommended in combination with RSC22 - RSC23 - RSC23T - C25 - C27S**

## 5904VI/1T

assortment of 98 tools in ABS thermoformed trays

### ► Industrial maintenance

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 19 | 1/2" square drive hexagon sockets ◌ 10÷24 - 26 - 27 - 30 - 32 mm | 920A | T80 |
| 5 | 1/2" drive, socket drivers for hexagon screws ○ 5 - 6 - 8 - 10 - 12 mm | 920ME | T80 |
| 1 | 1/2" drive extension bar 125 mm | 920/21 | T80 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 | T80 |
| 1 | 1/2" drive universal joint | 920/25 | T80 |
| 1 | 1/2" drive sliding T-handle | 920/42 | T80 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 | T80 |
| 16 | combination wrenches 6÷21 mm | 42 | T05 |
| 5 | combination wrenches 22-24-27-30-32 mm | 42 | T06 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | T153 |
| 1 | self - locking pliers 240 mm | 1052 | T153 |
| 1 | Heavy-duty diagonal cutting nippers ⧓ 160 mm | 1084 | T138 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150 | T138 |
| 1 | Extra-long needle nose pliers ◖ 160 mm | 1166 | T138 |
| 1 | circlip pliers straight, internal ◌ 180 mm | 1032 | T145 |
| 1 | circlip pliers bent, internal ◌ 170 mm | 1034 | T145 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 | T145 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 | T145 |
| 2 | flat chisels, ribbed type 100 - 200 mm | 35 | T234 |
| 5 | second cut files 200 mm | 1719BMA8/S5 | T236 |
| 1 | engineer's hammer 300 g | 1370 | T234 |
| 1 | soft face hammer Ø 35 mm | 1390 | T234 |
| 8 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm | 55 | T33 |
| 9 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96/SC9 | T33 |
| 4 | screwdrivers for slotted head screws ◖ 3x75 - 4x100 - 5,5x150 - 6,5x150 mm | 1260 | T208 |
| 3 | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 mm | 1262 | T208 |
| 6 | T-handle wrenches with hexagon male ends ○ 2,5 - 3 - 4 - 5 - 6 - 8 mm | 951 | T68 |

| | |
|---|---|
| **5904VI/1T** | 059041161 |

**Assortment recommended in combination with RSC24 - RSC24A - RSC24AXL - C37 - C39 with 6 - 7 - 8 drawers RSC23T - C39T - RSC24L - RSC24L-CAB - C59 - C55 - RSC28 - C39MD - C39SM**

T05 T06 T31

T40 T83 T91

T167 T168

T153 T138 T145 T68

T236 T234 T281 T289

# 5904VI/2T

assortment of 153 tools in ABS thermoformed trays

## ► Industrial maintenance

| Quantity/Description | | Beta N. | TR |
|---|---|---|---|
| 16 | combination wrenches 6÷21 mm | 42 | T05 |
| 5 | combination wrenches 22 - 24 - 27 - 30 - 32 mm | 42 | T06 |
| 5 | pin punches Ø 2 - 3 - 4 - 5 - 6 mm | 31 | T31 |
| 1 | centre punch Ø 4 mm | 32 | T31 |
| 12 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 - 21x23 - 24x26 - 27x29 - 30x32 mm | 55 | T31 |
| 9 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96N/SC9 | T31 |
| 7 | double ended offset ring wrenches 6÷29 mm | 90 | T40 |
| 19 | 1/2" square drive hexagon sockets ◌ 10÷24 - 26 - 27 - 30 - 32 mm | 920A | T83 |
| 1 | 1/2" drive extension bar 125 mm | 920/21 | T83 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 | T83 |
| 1 | 1/2" drive universal joint | 920/25 | T83 |
| 1 | 1/2" drive sliding T-handle | 920/42 | T83 |
| 1 | 1/2" drive reversible ratchet | 920/55 | T83 |
| 13 | 1/4" hexagon sockets ◌ 4÷14 mm | 900 | T91 |
| 6 | 1/4" socket drivers for hexagon screws ○ 2,5÷8 mm | 900ME | T91 |
| 1 | 1/4" drive extension bar 50 mm | 900/20 | T91 |
| 1 | 1/4" drive extension bar 150 mm | 900/21 | T91 |
| 1 | 1/4" drive universal joint | 900/25 | T91 |
| 1 | 1/4" drive spinner handle | 900BG/30 | T91 |
| 1 | 1/4" drive swivel T-handle | 900/42 | T91 |
| 1 | 1/4" reversible ratchet | 900/55 | T91 |
| 9 | screwdrivers for slotted head screws ◖ 3x75 - 3x100 - 4x100 - 4x150 - 5,5x100 - 5,5x150 - 6,5x150 - 8x150 - 10x200 mm | 1260 | T167 |
| 2 | screwdrivers for slotted head screws, extra-short series ◖ 4x30 - 6,5x30 mm | 1260N | T167 |
| 7 | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH0x100 - PH1x80 - PH1x120 - PH2x100 - PH2x150 - PH3x150 mm | 1262 | T168 |
| 2 | screwdrivers for cross head Phillips® screws, extra - short series ✪ PH1x30 - PH2x30 mm | 1262N | T168 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | T153 |
| 1 | self - locking pliers 240 mm | 1052 | T153 |
| 1 | Heavy-duty diagonal cutting nippers ⟨ 160 mm | 1084 | T138 |
| 1 | Extra-long needle nose pliers ◖ 160 mm | 1166 | T138 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150 | T138 |
| 1 | circlip pliers straight, internal ⊙ 180 mm | 1032 | T145 |
| 1 | circlip pliers bent, internal ⊙ 170 mm | 1034 | T145 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 | T145 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 | T145 |
| 6 | T-handle wrenches with hexagon male ends ○ 2,5 - 3 - 4 - 5 - 6 - 8 mm | 951 | T68 |
| 5 | second cut files 200 mm | 1719BMA8/S5 | T236 |
| 2 | flat chisels, ribbed type 100 - 200 mm | 35 | T234 |
| 1 | engineer's hammer 300 g | 1370 | T234 |
| 1 | soft face hammer Ø 35 mm | 1390 | T234 |
| 1 | riveting pliers | 1741B | T281 |
| 100 | aluminium rivets 2,9x6 mm | 1741RV...K | T281 |
| 100 | aluminium rivets 3,2X8 mm | 1741RV...K | T281 |
| 100 | aluminium rivets 3,8x10 mm | 1741RV...K | T281 |
| 100 | aluminium rivets 4x12 mm | 1741RV...K | T281 |
| 100 | aluminium rivets 4,8x12 mm | 1741RV...K | T281 |
| 1 | measuring tape | 1692 | T289 |
| 1 | mini hacksaw frame | 1725CR | T289 |
| 1 | plastic oil bottle | 1755 | T289 |
| 1 | snap - off blade utility knife | 1771 | T289 |

| | |
|---|---|
| 5904VI/2T | 059041164 |

**Assortment recommended in combination with RSC24 with 7 - 8 drawers - RSC24A with 7 - 8 drawers- C37 with 7 - 8 drawers - RSC24AXL - C39 with 7 - 8 drawers RSC24L - RSC24L-CAB - C59 - C55 - RSC23T - RSC28 - C39MO -C39SM**

# 5904VI/3T

assortment of 142 tools in ABS thermoformed trays

## ► Industrial maintenance

| Quantity/Description | Beta N. | TR |
|---|---|---|
| **16** combination wrenches 6÷21 mm | 42 | **T05** |
| **5** combination wrenches 22 - 24 - 27 - 30 - 32 mm | 42 | **T06** |
| **5** pin punches Ø 2 - 3 - 4 - 5 - 6 mm | 31 | **T31** |
| **1** centre punch Ø 4 mm | 32 | **T31** |
| **12** double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 - 21x23 - 24x26 - 27x29 - 30x32 mm | 55 | **T31** |
| **9** offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96N/SC9 | **T31** |
| **9** screwdrivers for slotted head screws ◐ 3x75 - 3,5x100 - 4x100 - 4x150 - 5,5x100 - 5,5x150 - 6,5x150 - 8x150 - 10x200 mm | 1260 | **T167** |
| **2** screwdrivers for slotted head screws, extra-short series ◐ 4x30 - 6,5x30 mm | 1260N | **T167** |
| **6** screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH0x100 - PH1x80 - PH1x120 - PH2x100 - PH2x150 mm | 1262 | **T202** |
| **7** drivers for Torx® head screws ✪ T6-T7-T8-T9-T10-T15-T20 | 1267TX | **T205** |
| **5** 1/2" drive, socket drivers for hexagon screws ○ 5 - 6 - 8 - 10 - 12 mm | 920ME | **T80** |
| **1** 1/2" drive extension bar 125 mm | 920/21 | **T80** |
| **1** 1/2" drive extension bar 255 mm | 920/22 | **T80** |
| **1** 1/2" drive universal joint | 920/25 | **T80** |
| **1** 1/2" drive sliding T-handle | 920/42 | **T80** |
| **1** 1/2" drive reversible ratchet ⓡ | 920/55 | **T80** |
| **19** 1/2" square drive hexagon sockets ◎ 10÷24 - 26 - 27 - 30 - 32 mm | 920A | **T80** |
| **8** double ended bi-hex tubular socket wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 mm | 930 | **T73** |
| **1** tommy bars for tubular wrenches | 940/1 | **T73** |
| **1** tommy bars for tubular wrenches | 940/2 | **T73** |
| **6** T-handle wrenches with hexagon male ends ○ 2,5 - 3 - 4 - 5 - 6 - 8 mm | 951 | **T68** |
| **1** half-round needle nose pliers 〓 180 mm | 1150BM | **T137** |
| **1** Extra-long needle nose pliers ◐ 160 mm | 1166BM | **T137** |
| **1** Heavy-duty diagonal cutting nippers ⧓ 160 mm | 1084BM | **T137** |
| **1** Slip joint pliers boxed joints 250 mm | 1048 | **T153** |
| **1** self - locking pliers 240 mm | 1052 | **T153** |
| **1** circlip pliers straight, internal ⊙ 180 mm | 1032 | **T145** |
| **1** circlip pliers bent, internal ⊙ 170 mm | 1034 | **T145** |
| **1** circlip pliers straight, external ● 175 mm | 1036 | **T145** |
| **1** circlip pliers bent, external ● 175 mm | 1038 | **T145** |
| **1** circlip pliers straight, internal ⊙ 140 mm | 1032 | **T146** |
| **1** circlip pliers bent, internal ⊙ 225 mm | 1034 | **T146** |
| **1** circlip pliers straight, external ● 140 mm | 1036 | **T146** |
| **1** circlip pliers bent, external ● 225 mm | 1038 | **T146** |
| **1** engineer's hammer 400 g | 1370 | **T231** |
| **1** soft face hammer Ø 35 mm | 1390 | **T231** |
| **1** second cut files 200 mm | 1719BMA8/T | **T231** |
| **1** second cut files 200 mm | 1719BMA8/P | **T231** |
| **1** second cut files 200 mm | 1719BMA8/M | **T231** |
| **1** digital vernier | 1651DGT | **T297** |
| **1** flexible graduated rule 300 mm | 1682 | **T297** |
| **1** measuring tape 5 m | 1691BM | **T297** |
| **1** riveting pliers 250 mm | 1741B | **T281** |
| **100** aluminium rivets 2,9x6 mm | 1741RV...K | **T281** |
| **100** aluminium rivets 3,2x8 mm | 1741RV...K | **T281** |
| **100** aluminium rivets 3,8x10 mm | 1741RV...K | **T281** |
| **100** aluminium rivets 4x12 mm | 1741RV...K | **T281** |
| **100** aluminium rivets 4,8x12 mm | 1741RV...K | **T281** |
| **1** tin snips 250 mm | 1112 | **T285** |
| **1** electrician's scissors, straight blades | 1128BM | **T285** |
| **1** hacksaw frame, aluminium handle | 1726 | **T285** |
| **(5)** blades for hacksaw | 1728BM | **T285** |
| **1** plastic oil can 200 cc | 1753 | **T285** |
| empty thermoformed tray | VP6 | **VP6** |

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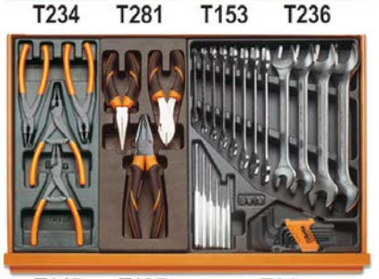
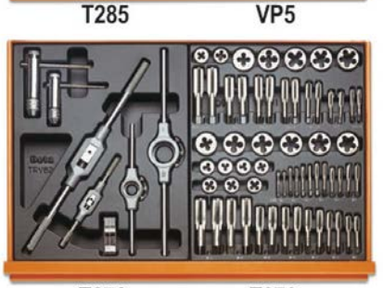
|---|---|
| **5904VI/3T** | 059041168 |

**Assortment recommended in combination with RSC24 with 8 drawers- RSC24/A with 8 drawers - C37 with 8 drawers - C39 with 8 drawers RSC24AXL with 8-9 drawers - RSC28 -C39MO - C39SM - C55 - C59B**






# 5908VI/2T

assortment of 232 tools in ABS thermoformed trays

## ► Industrial maintenance

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 5 | 1/2" drive, socket drivers for hexagon screws ○ 5 - 6 - 8 - 10 - 12 mm | 920ME | T80 |
| 1 | 1/2" drive extension bar 125 mm | 920/21 | T80 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 | T80 |
| 1 | 1/2" drive universal joint | 920/25 | T80 |
| 1 | 1/2" drive sliding T-handle | 920/42 | T80 |
| 1 | 1/2" drive reversible ratchet | 920/55 | T80 |
| 19 | 1/2" square drive hexagon sockets ◎ 10÷24 - 26 - 27 - 30 - 32 mm | 920A | T80 |
| 16 | combination wrenches 6÷21 mm | 42 | T05 |
| 5 | combination wrenches 22 - 24 - 27 - 30 - 32 mm | 42 | T06 |
| 13 | 1/4" hexagon sockets ◎ 4÷14 mm | 900 | T91 |
| 6 | 1/4" socket drivers for hexagon screws ○ 2,5 - 3 - 4 - 5 - 6 - 8 mm | 900ME | T91 |
| 1 | 1/4" drive extension bar 50 mm | 900/20 | T91 |
| 1 | 1/4" drive extension bar 150 mm | 900/21 | T91 |
| 1 | 1/4" drive spinner handle | 900BG/30 | T91 |
| 1 | 1/4" drive universal joint | 900/25 | T91 |
| 1 | 1/4" drive swivel T-handle | 900/42 | T91 |
| 1 | 1/4" reversible ratchet | 900/55 | T91 |
| 6 | T-handle wrenches with hexagon male ends ○ 2,5 - 3 - 4 - 5 - 6 - 8 mm | 951 | T68 |
| 7 | double ended offset ring wrenches 6x7-8x9-10x11-12x13-14x15-16x17-18x19 mm | 90 | T40 |
| 5 | double ended offset ring wrenches 20x22 - 21x23 - 24x26 - 25x28 - 27x29 mm | 90 | T41 |
| 7 | screwdrivers for slotted head screws ◐ 2,5x50 - 3x75 - 3,5x100 - 4x125 - 5,5x100 - 5,5x150 - 6,5x150 mm | 1260 | T199 |
| 6 | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH0x100 - PH1x80 - PH1x120 - PH2x100 - PH2x150 mm | 1262 | T202 |
| 3 | screwdrivers for slotted head screws ◐ 8x200 - 10x150 - 10x200 mm | 1260 | T201 |
| 2 | screwdrivers for slotted head screws, extra-short series ◐ 4x30 - 6,5x30 mm | 1260N | T201 |
| 2 | screwdrivers for cross head Phillips® screws ✪ PH3x150 - PH4x200 mm | 1262 | T204 |
| 2 | screwdrivers for cross head Phillips® screws, extra - short series ✪ PH1x30 - PH2x30 mm | 1262N | T204 |
| 2 | flat chisels, ribbed type 100 - 200 mm | 35 | T234 |
| 1 | engineer's hammer 300 g | 1370 | T234 |
| 1 | soft face hammer Ø 35 mm | 1390 | T234 |
| 1 | riveting pliers 250 mm | 1741B | T281 |
| 100 | aluminium rivets 2,9x6 mm | 1741RV...K | T281 |
| 100 | aluminium rivets 3,2x8 mm | 1741RV...K | T281 |
| 100 | aluminium rivets 3,8x10 mm | 1741RV...K | T281 |
| 100 | aluminium rivets 4x12 mm | 1741RV...K | T281 |
| 100 | aluminium rivets 4,8x12 mm | 1741RV...K | T281 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | T153 |
| 1 | self - locking pliers 240 mm | 1052 | T153 |
| 5 | Set of 5 second-cut files, with handles 200 mm | 1719BMA...S5 | T236 |
| 1 | circlip pliers straight, internal ○ 180 mm | 1032 | T145 |
| 1 | circlip pliers bent, internal ○ 170 mm | 1034 | T145 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 | T145 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 | T145 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM | T137 |
| 1 | Extra-long needle nose pliers ◐ 160 mm | 1166BM | T137 |
| 1 | Heavy-duty diagonal cutting nippers ⧓ 160 mm | 1084BM | T137 |
| 5 | pin punches Ø 2 - 3 - 4 - 5 - 6 mm | 31 | T31 |
| 1 | centre punch Ø 4 mm | 32 | T31 |
| 12 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 - 21x23 - 24x26 - 27x29 - 30x32 mm | 55 | T31 |
| 9 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96N/SC9 | T31 |
| 1 | tin snips 250 mm | 1112 | T285 |
| 1 | electrician's scissors, straight blades | 1128BM | T285 |
| 1 | hacksaw frame, aluminium handle | 1726 | T285 |
| 5 | blades for hacksaw | 1728BM | T285 |
| 1 | plastic oil can 200 cc | 1753 | T285 |
| 1 | empty thermoformed tray | VP5 | VP5 |
| 1 | adjstable tap wrench M3÷M12 | 435/1,5 | T273 |
| 1 | adjstable tap wrench M5÷M21 | 435/3 | T273 |
| 1 | reversible ratcheting tap wrench 2,0÷5,0 mm (M3÷M8) | 436/1 | T273 |
| 1 | reversible ratcheting tap wrench 4,6÷8,0 mm (M5÷M12) | 436/2 | T273 |
| 1 | die stock 25,4 mm | 444/1 | T273 |
| 1 | die stock 38,1 mm | 444/2 | T273 |
| 1 | screw pitch gauge 0,25÷6 W 62÷4x1" | 1707 | T273 |
| 26 | coarse pitch hand taps M3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14 - 16 - 18 - 20 | 430 | T270 |
| 14 | fine pitch hand taps M6x0,75 - M8x1 - M10x1,25 M12x1,5 - M14x1,5 - M16x1,5 - M18x1,5 | 433 | T270 |
| 7 | round dies, coarse pitch M3 - 4 - 5 - 6 - 7 - 8 - 9 | 440 | T270 |
| 6 | round dies, coarse pitch M10 - 12 - 14 - 16 - 18 - 20 | 440A | T270 |
| 2 | round dies, fine pitch M6x0,75 - M8x0,75 | 441 | T270 |
| 5 | round dies, fine pitch M10x1,25 - M12x1,5 - M14x1,5 - M16x1,5 - M18x1,5 | 441A | T270 |

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| 5908VI/2T | 059081105 |

**Assortment recommended in combination with RSC28 - RSC24AXL with 8 and 9 drawers - RSC24A with 8 and 9 drawers - RSC24 with 8 drawers - C37 with 8 drawers - C39 with 8 drawers**

# 5910VI/3

assortment of 297 tools

## ► Industrial maintenance

| Quantity | Description | Beta N. |
|---|---|---|
| 6 | Ø 2 - 3 - 4 - 5 - 6 - 8 mm | 31/B6N |
| 1 | centre punch Ø 4 mm | 32 |
| 2 | flat chisels, ribbed type 125 - 250 mm | 35 |
| 1 | cape chisel, ribbed type 200 mm | 37 |
| 30 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-32-35-36-38-41 mm | 42 |
| 14 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 - 21x23 - 24x26 - 25x28 - 27x29 - 30x32 - 36x41 mm | 55 |
| 13 | double ended offset ring wrenches 6x7÷30x32 mm | 90 |
| 14 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 - 12 - 13 - 14 - 17 - 19 mm | 96N |
| 1 | adjustable wrench 250 mm | 111 |
| 1 | heavy duty pipe wrench 300 mm | 362 |
| 25 | twist drills with cylindrical shanks, short series 1÷13x0,5 mm | 412/SP25 |
| 37 | assortment of HSS taps and dies, metric thread | 447/C37 |
| 1 | click-type torque wrenches with reversible ratchets ⓓ 1/2", 40÷200 Nm | 666N/20 |
| 1 | 1/2" drive swivel T-handle | 920/40 |
| 4 | 1/2" drive, socket drivers for hexagon screws ○ 10-12-14-17 mm | 920ME |
| 25 | 20 sockets and 5 accessories | 920A/C20X |
| 17 | assortment of 12 sockets and 5 accessories 3/4" | 928A/C12 |
| 12 | double ended hexagon/bi - hex offset socket wrenches 8 - 10 - 11 - 13 - 14 - 17 - 19 - 22 - 24 - 27 - 30 - 32 mm | 932 |
| 14 | T-handle wrenches with hexagon male ends 2÷14 mm | 951/S14 |
| 5 | T handle wrenches with swivelling hexagon male ends ○ 3 - 4 - 5 - 6 - 8 mm | 953 |
| 3 | circlip pliers straight, internal ⊙ 180 - 225 - 300 mm | 1032 |
| 3 | circlip pliers bent, internal ⊙ 170 - 210 - 290 mm | 1034 |
| 3 | circlip pliers straight, external ● 140x1,3 - 175 - 225 mm | 1036 |
| 3 | circlip pliers bent, external ● 135x1,3 - 175 - 220 mm | 1038 |
| 2 | Slip joint pliers boxed joints 250 - 300 mm | 1048 |
| 1 | self locking pliers, double adjustment | 1051 |
| 1 | heavy duty diagonal cutting nippers, bi-material handles, industrial finish ⧓ 160 mm | 1084GBM |
| 1 | toggle lever assisted end cutting nippers ⧓ 180 mm | 1092V |
| 1 | tin snips 300 mm | 1112 |
| 1 | tin snip, straight narrow blades 250 mm | 1114 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, bi-material handles, industrial finish 〓 180 mm | 1150GBM |
| 1 | extra-long needle knurled nose pliers, bi-material handles, industrial finish ◐ 160 mm | 1166GBM |
| 1 | extra-long bent needle knurled nose pliers, bi-material handles, industrial finish ◐ 160 mm | 1168GBM |
| 9 | screwdrivers for slotted head screws ◐ 2,5x50 - 3x75 - 3,5x150 - 4x125 - 5,5x125 - 6,5x150 - 8x200 - 10x200 - 12x250 mm | 1260 |
| 2 | screwdrivers for slotted head screws, extra-short series ◐ 4x30 - 6,5x30 mm | 1260N |
| 5 | screwdrivers for cross head Phillips® screws ✪ PH0x100 - PH1x120 - PH2x150 - PH3x150 - PH4x200 mm | 1262 |
| 2 | screwdrivers for cross head Phillips® screws, extra - short series ✪ PH1x30 - PH2x30 mm | 1262N |
| 7 | drivers for Torx® head screws ✪ T6 - T8 - T10 - T15 - T20 - T25 - T30 | 1267TX |
| 2 | engineer's hammer 300 - 600 g | 1370 |
| 2 | soft face hammer Ø 35 - 60 mm | 1390 |
| 5 | tapered extractors M3÷M18 | 1430/S5 |
| 1 | two - leg universal puller 23÷70 mm | 1500N/1 |
| 1 | two - leg universal puller 23÷100 mm | 1500N/2 |
| 1 | sliding gauge | 1650 |
| 1 | semirigid stainless steel rule 300 mm | 1683 |
| 1 | engineer's scriber | 1688A |
| 1 | measuring tape 5 m | 1692 |
| 1 | metric feeler gauge | 1708/13 |
| 1 | flexible magnetic pick-up tool 1,8 kg | 1712E/2 |
| 5 | second cut files 200 mm | 1719BMA8/S5 |
| 1 | hacksaw frame, aluminium handle | 1726BM |
| 1 | riveting pliers | 1741B |
| 1 | metal oil can 200 cc | 1751 |

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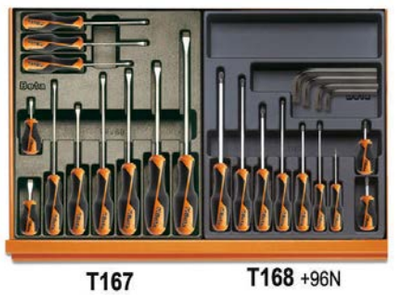
|---|---|
| **5910VI/3** | 059101044 |

**Assortment recommended for use with item C30M**



# 5910VI/3T

assortment of 261 tools in ABS thermoformed trays

## ► Industrial maintenance

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 16 | combination wrenches 6÷21 mm | 42 | T05 |
| 5 | combination wrenches 22 - 24 - 27 - 30 - 32 mm | 42 | T06 |
| 5 | pin punches Ø 2 - 3 - 4 - 5 - 6 mm | 31 | T31 |
| 1 | centre punch Ø 4 mm | 32 | T31 |
| 13 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 - 21x23 - 24x26 - 27x29 - 30x32 mm | 55 | T31 |
| 9 | offset hexagon key wrenches 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96N/SC9 | T31 |
| 5 | double ended offset ring wrenches 20x22 - 21x23 - 24x26 - 25x28 - 27x29 mm | 90 | T41 |
| 7 | double ended offset ring wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 mm | 90 | T40 |
| 5 | 1/2" drive, socket drivers for hexagon screws 5 - 6 - 8 - 10 - 12 mm | 920ME | T80 |
| 1 | 1/2" drive extension bar 125 mm | 920/21 | T80 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 | T80 |
| 1 | 1/2" drive universal joint | 920/25 | T80 |
| 1 | 1/2" drive sliding T-handle | 920/42 | T80 |
| 1 | 1/2" drive reversible ratchet | 920/55 | T80 |
| 19 | 1/2" square drive hexagon sockets 10÷24 - 26 - 27 - 30 - 32 mm | 920A | T80 |
| 9 | screwdrivers for slotted head screws 3x75 - 3x100 - 4x100 - 4x150 - 5,5x100 - 5,5x150 - 6,5x150 - 8x150 - 10x200 mm | 1260 | T167 |
| 2 | screwdrivers for slotted head screws, extra-short series 4x30 - 6,5x30 mm | 1260N | T167 |
| 7 | screwdrivers for cross head Phillips® screws PH0x60 - PH0x100 - PH1x80 - PH1x120 - PH2x100 - PH2x150 - PH3x150 mm | 1262 | T168 |
| 2 | screwdrivers for cross head Phillips® screws, extra - short series PH1x30 - PH2x30 mm | 1262N | T168 |
| 4 | offset hexagon key wrenches 13-14-17-19 mm | 96N | T168 |
| 1 | tin snips 250 mm | 1112 | T285 |
| 1 | electrician's scissors, straight blades | 1128BM | T285 |
| 1 | hacksaw frame, aluminium handle | 1726 | T285 |
| (5) | blades for hacksaw | 1728BM | T285 |
| 1 | plastic oil can 200 cc | 1753 | T285 |
| 1 | half-round needle nose pliers 180 mm | 1150BM | T137 |
| 1 | Extra-long needle nose pliers 160 mm | 1166BM | T137 |
| 1 | Heavy-duty diagonal cutting nippers 160 mm | 1084BM | T137 |
| 1 | circlip pliers straight, internal 180 mm | 1032 | T145 |
| 1 | circlip pliers bent, internal 170 mm | 1034 | T145 |
| 1 | circlip pliers straight, external 175mm | 1036 | T145 |
| 1 | circlip pliers bent, external 175mm | 1038 | T145 |
| 2 | flat chisels, ribbed type 100 - 200 mm | 35 | T234 |
| 1 | engineer's hammer 300 g | 1370 | T234 |
| 1 | soft face hammer Ø 35 mm | 1390 | T234 |
| 1 | second cut files 200 mm | 1719BMA8/S5 | T236 |
| 4 | combination wrenches 35-36-38-41 mm | 42 | |
| 1 | double open end wrenches 36x41 mm | 55 | |
| 1 | adjustable wrench 250 mm | 111 | |
| 1 | heavy duty pipe wrench 300 mm | 362 | |
| 25 | twist drills with cylindrical shanks, short series | 412/SP25 | |
| 37 | assortment of HSS taps and dies, metric thread | 447/C37 | |
| 1 | click-type torque wrenches with reversible ratchets 200 Nm | 666N/20 | |
| 17 | assortment of 12 sockets and 5 accessories 3/4" | 928A/C12 | |
| 14 | T-handle wrenches with hexagon male ends | 951/S14 | |
| 5 | T handle wrenches with swivelling hexagon male ends 3-4-5-6-8 mm | 953 | |
| 1 | circlip pliers straight, internal 300 mm | 1032 | |
| 1 | circlip pliers bent, internal 290 mm | 1034 | |
| 1 | circlip pliers straight, external 225 mm | 1036 | |
| 1 | circlip pliers bent, external 220 mm | 1038 | |
| 1 | Slip joint pliers boxed joints 300 mm | 1048 | |
| 1 | self locking pliers, double adjustment | 1051 | |
| 1 | toggle lever assisted end cutting nippers 180 mm | 1092V | |
| 1 | engineer's hammer 600 g | 1370 | |
| 1 | soft face hammer 60 mm | 1390 | |
| 5 | tapered extractors M3-M18 | 1430/S5 | |
| 1 | two - leg universal puller | 1500/3 | |
| 1 | sliding gauge | 1650 | |
| 1 | semirigid stainless steel rule | 1683 | |
| 1 | engineer's scriber | 1688 | |
| 1 | measuring tape 5 m | 1692 | |
| 1 | metric feeler gauge | 1708/13 | |
| 1 | flexible magnetic pick-up tool | 1712E/2 | |

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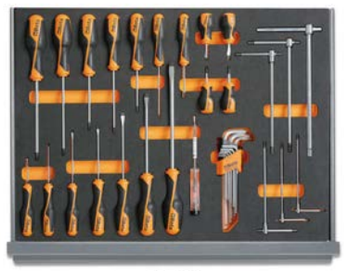
| 5910VI/3T | 059101063 |

**Assortment recommended for use with item C30M**

MB12

MB37



MB44

MB55

# 5935VI/2MB

assortment of 133 tools for tool chest C35, in EVA foam trays

## ► Industrial maintenance

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 21 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32 mm | 42 | MB12 |
| 8 | double open end wrenches 6x7-8x9-10x11-12x13-14x15 16x17-18x19-20x22 mm | 55 | MB12 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | MB12 |
| 19 | 1/2" square drive hexagon sockets ○ 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-30-32 mm | 920A | MB37 |
| 1 | 1/2" wobble extension bar 125 mm | 920AN/125 | MB37 |
| 1 | 1/2" wobble extension bar 150 mm | 920AN/250 | MB37 |
| 1 | 1/2" drive universal joint | 920/25 | MB37 |
| 1 | 1/2" drive sliding T-handle | 920/42 | MB37 |
| 1 | 1/2" drive reversible ratchet | 920/55 | MB37 |
| 1 | adjustable wrench 250 mm | 111 | MB37 |
| 1 | self - locking pliers 240 mm | 1052 | MB37 |
| 1 | Heavy-duty diagonal cutting nippers 160 mm | 1084BM | MB37 |
| 1 | half-round needle nose pliers 180 mm | 1150BM | MB37 |
| 1 | Extra-long needle nose pliers 160 mm | 1166BM | MB37 |
| 1 | circlip pliers straight, internal 180 mm | 1032 | MB37 |
| 1 | circlip pliers bent, internal 170 mm | 1034 | MB37 |
| 1 | circlip pliers straight, external 175 mm | 1036 | MB37 |
| 1 | circlip pliers bent, external 175 mm | 1038 | MB37 |
| 13 | 1/4" hexagon sockets ○ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | 900 | MB37 |
| 1 | 1/4" drive extension bar 50 mm | 900/20 | MB37 |
| 1 | 1/4" drive extension bar 150 mm | 900/21 | MB37 |
| 1 | 1/4" drive universal joint | 900/25 | MB37 |
| 1 | 1/4" drive spinner handle | 900BG/30 | MB37 |
| 1 | 1/4" reversible ratchet | 900/55 | MB37 |
| 1 | 1/4" drive swivel T-handle | 900/42 | MB37 |
| 7 | screwdrivers for slotted head screws 2,5x50-3x75-3,5x100-4x100-5,5x125-6,5x150-8x200 mm | 1260 | MB44 |
| 2 | screwdrivers for slotted head screws, extra-short series 4x30-6,5x30 mm | 1260N | MB44 |
| 7 | screwdrivers for cross head Phillips® screws PH0x60-PH0x100-PH1x80-PH1x120-PH2x100-PH2x150-PH3x150 mm | 1262 | MB44 |
| 2 | screwdrivers for cross head Phillips® screws, extra - short series PH1x30-PH2x30 mm | 1262N | MB44 |
| 1 | mains testing screwdriver 4x30-6,5x30 mm | 1253 | MB44 |
| 9 | ball head offset hexagon key wrenches | 96BPC/SC9 | MB44 |
| 6 | T-handle wrenches with hexagon male ends 2,5-3-4-5-6-8 mm | 951 | MB44 |
| 5 | pin punches Ø 2-3-4-5-6 mm | 31 | MB55 |
| 1 | centre punch Ø 4 mm | 32 | MB55 |
| 1 | flat chisels, ribbed type 200 mm | 35 | MB55 |
| 1 | tin snips 250 mm | 1112 | MB55 |
| 1 | electrician's scissors, straight blades | 1128BMX | MB55 |
| 1 | engineer's hammer 500 g | 1370 | MB55 |
| 1 | soft face hammer Ø 45 mm | 1390 | MB55 |
| 1 | second-cut square files 200 mm | 1719BMA...Q | MB55 |
| 1 | second-cut triangular files 200 mm | 1719BMA...T | MB55 |
| 1 | second-cut flat files 200 mm | 1719BMA...P | MB55 |
| 1 | second-cut half-round files 200 mm | 1719BMA...M | MB55 |
| 1 | second-cut round files 200 mm | 1719BMA...R | MB55 |
| 1 | hacksaw frame, aluminium handle 440 mm | 1726 | MB55 |

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| 5935VI/2MB | 059351316 |

**Assortment recommended in combination with C35**

# 5957VI

Assortment of 162 tools

## ► Industrial maintenance

| Quantity | Description | Beta N. |
|---|---|---|
| 6 | pin punches Ø 2 - 3 - 4 - 5 - 6 - 8 mm | 31/SP6 |
| 6 | 2 drift punches, 1 centre punch, 3 flat chisels with metal holder | 38/SP6 |
| 18 | combination wrenches 6-7-8-10-11-12-13-14-15-16-17-19-21-22-24-27-30-32 mm | 42 |
| 12 | double open end wrenches 6x7 ÷ 30x32 mm | 55/S12X |
| 8 | offset hexagon key wrenches 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96T/S8 |
| 8 | offset key wrenches, for Torx® head screws ✪ T9 - T10 - T15 - T20 - T25 - T27 - T30 - T40 | 97TX/SC8 |
| 1 | adjustable wrench 250 mm | 111 |
| 13 | 1/2" square drive bi-hex sockets with rail ○ 10÷22 mm | 920B/SB13 |
| 8 | 1/2" square drive bi-hex sockets with rail ○ 23÷32 mm | 920B/SB8 |
| 4 | 1/2" socket drivers for slotted head screws ◖ 1,2x6,5 - 1,2x8 - 1,6x9 - 2x12 mm | 920LP |
| 3 | 1/2" socket drivers for Phillips® screws ✪ PH2 - 3 - 4 | 920PH |
| 1 | 1/2" drive extension bar 125 mm | 920/21 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 |
| 1 | pry bar | 963 |
| 2 | circlip pliers straight, internal ○ 140 - 180 mm | 1032 |
| 2 | circlip pliers bent, internal ○ 130 - 170 mm | 1034 |
| 2 | circlip pliers straight, external ● 140 - 175 mm | 1036 |
| 2 | circlip pliers bent, external ● 135 - 175 mm | 1038 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | self locking pliers, double adjustment | 1051 |
| 1 | Heavy-duty diagonal cutting nippers ⧓ 160 mm | 1084BM |
| 1 | toggle lever assisted end cutting nippers ⧓ 180 mm | 1092V |
| 1 | tin snips 250 mm | 1112 |
| 1 | tin snip, straight narrow blades 250 mm | 1114 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM |
| 1 | Extra-long needle nose pliers ◖ 160 mm | 1166BM |
| 1 | Extra-long bent needle nose pliers ◖ 160 mm | 1168BM |
| 7 | screwdrivers for slotted head screws ◖ 2,5x50 - 3x75 - 4x100 5,5x125 - 6,5x150 - 8x200 - 10x200 mm | 1260 |
| 4 | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 - PH3x150 mm | 1262 |
| 3 | engineer's hammer 300 - 600 - 1000 g | 1370 |
| 1 | soft face hammer Ø 35 mm | 1390 |
| 1 | measuring tape 5 m | 1692 |
| 1 | flexible magnetic pick-up tool 1,8 kg | 1712E/2 |
| 1 | two cutting edges scraper 200 mm | 1717A |
| 1 | three - cutting edges scraper 200 mm | 1717B |
| 5 | second cut files 200 mm | 1719BMA8/S5 |
| 1 | hacksaw frame, aluminium handle | 1725 |
| 1 | metal oil can 200 cc | 1751 |
| 1 | flat chisels, ribbed type 200 mm | 35 |
| 1 | cape chisel, ribbed type 200 mm | 37 |
| 11 | double ended hexagon/bi - hex offset socket wrenches 8 - 10 - 11 - 12 - 13 - 14 - 16 - 17 - 19 - 22 - 24 mm | 932 |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | self - locking pliers 280 mm | 1060 |
| 1 | self - locking pliers 290 mm | 1062 |
| 1 | dead blow hammer Ø 50 mm | 1392 |
| 1 | two - leg universal puller 25÷130 mm | 1500N/2 |
| 1 | sliding gauge | 1650 |
| 1 | semirigid stainless steel rule 300 mm | 1683 |
| 1 | engineer's scriber | 1688A |
| 1 | metric feeler gauge | 1708/13 |
| 1 | fold - away knife | 1777BM |
| 1 | snap - off blade utility knife 170 mm | 1771BM |
| 1 | Diagonal cutting nippers ⧓ 160 mm | 1082BM |

**5957VI** 059571005

**Assortment recommended in combination with C57S A - C57S B - C57SP - C55PSP**

# 5954VI

Assortment of 133 tools

## ► Industrial maintenance

| Quantity | Description | Beta N. |
|---|---|---|
| 5 | pin punches Ø 2-3-4-5-6 mm | 31 |
| 1 | centre punch Ø 4 mm | 32 |
| 2 | flat chisels, ribbed type 200-250 mm | 35 |
| 18 | combination wrenches 6÷14 - 16 - 17 - 18 - 19 21 - 22 - 24 - 27 - 30 mm | 42 |
| 12 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 - 21x23 - 24x26 - 27x29 - 30x32 mm | 55 |
| 12 | offset hexagon key wrenches ○ 2÷10 mm | 96/SC12 |
| 1 | adjustable wrench 250 mm | 111 |
| 1 | pipe wrench Swedish pattern 320 mm | 374 |
| 20 | 1/2" square drive hexagon sockets ○ 10÷24 - 26 - 27 - 28 - 30 - 32 mm | 920A |
| 6 | 1/2" drive, socket drivers for hexagon screws ○ 5 - 6 - 8 - 10 - 12 - 14 mm | 920ME |
| 1 | 1/2" drive extension bar 125 mm | 920/21 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive swivel T-handle | 920/40 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive reversible ratchet | 920/55 |
| 6 | T-handle wrenches with hexagon male ends ○ 2,5 - 3 - 4 - 5 - 6 - 8 mm | 951 |
| 2 | circlip pliers straight, internal ○ 140 - 180 mm | 1032 |
| 1 | circlip pliers bent, internal ○ 170 mm | 1034 |
| 2 | circlip pliers straight, external ● 140x1,3 - 175 mm | 1036 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | Heavy-duty diagonal cutting nippers 160 mm | 1084BM |
| 1 | toggle lever assisted end cutting nippers 180 mm | 1092V |
| 1 | tin snips 250 mm | 1112 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | half-round needle nose pliers 180 mm | 1150BM |
| 1 | Extra-long needle nose pliers 160 mm | 1166BM |
| 1 | mains testing screwdriver | 1253 |
| 2 | screwdrivers for slotted head screws 8x150 - 10x200 mm | 1260 |
| 2 | screwdrivers for slotted head screws, extra-short series 4x30 - 6,5x30 mm | 1260N |
| 2 | screwdrivers for cross head Phillips® screws PH3x150 - PH4x200 mm | 1262 |
| 2 | screwdrivers for cross head Phillips® screws, extra - short series PH1x30 - PH2x30 mm | 1262N |
| 8 | set of screwdrivers | 1263/D8 |
| 2 | engineer's hammer 300 - 500 g | 1370 |
| 1 | soft face hammer Ø 45 mm | 1390 |
| 1 | measuring tape 5 m | 1692 |
| 1 | flexible magnetic pick-up tool 0,5 kg | 1712E/1 |
| 5 | second cut files 200 mm | 1719BMA8/S5 |
| 1 | hacksaw frame, aluminium handle | 1726BM |
| 1 | plastic oil can 250 cc | 1754 |

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|---|---|
| **5954VI** | 059541053 |

**Assortment recommended in combination with C54S-C55C**

# 5904VU/1M

assortment of 91 tools in EVA foam trays

## ► Universal use

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 16 | combination wrenches 6÷21 mm | 42 | M05 |
| 8 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 mm | 55 | M33 |
| 9 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96/SC9 | M33 |
| 7 | screwdrivers for slotted head screws ◐ 2,5x50 - 3x75 - 3,5x100 - 4x125 - 5,5x100 - 5,5x150 - 6,5x150 mm | 1260 | M199 |
| 6 | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH0x100 - PH1x80 - PH1x120 - PH2x100 - PH2x150 mm | 1262 | M202 |
| 8 | offset hexagon key wrenches ○ 2-2,5-3-4-5-6-7-8 mm | 96T | M50 |
| 1 | 1/2" wobble extension bar 125 mm | 920AN/125 | M83 |
| 1 | 1/2" wobble extension bar 250 mm | 920AN/250 | M83 |
| 1 | 1/2" drive universal joint | 920/25 | M83 |
| 1 | 1/2" drive sliding T-handle | 920/42 | M83 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 | M83 |
| 19 | 1/2" square drive hexagon sockets ⬡ 10÷24 - 26 - 27 - 30 - 32 mm | 920A | M83 |
| 1 | Heavy-duty diagonal cutting nippers ⧓ 160 mm | 1084 | M137 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150 | M137 |
| 1 | Extra-long needle nose pliers ◖ 160 mm | 1166 | M137 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | M153 |
| 1 | self - locking pliers 240 mm | 1052 | M153 |
| 2 | flat chisels, ribbed type 100 - 200 mm | 35 | M234 |
| 1 | engineer's hammer 300 g | 1370 | M234 |
| 1 | soft face hammer Ø 35 mm | 1390 | M234 |
| 1 | circlip pliers straight, internal ⌒ 180 mm | 1032 | M145 |
| 1 | circlip pliers bent, internal ⌒ 170 mm | 1034 | M145 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 | M145 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 | M145 |

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|---|---|
| 5904VU/1M | 059041201 |

**Assortment recommended in combination with RSC24 - RSC24A - RSC24AXL - C37 - C39 with 6 - 7 - 8 drawers RSC23T - C39T - RSC24L - RSC24L-CAB - C59 - C55 - RSC28 - C39SM - C39MD**

# 5904VU/2M

assortment of 151 tools in EVA foam trays

## ► Universal use

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 16 | combination wrenches 6÷21 mm | 42 | M05 |
| 8 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm | 55 | M33 |
| 9 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96/SC9 | M33 |
| 7 | screwdrivers for slotted head screws ◐ 2,5x50 - 3x75 - 3,5x100 - 4x125 - 5,5x100 - 5,5x150 - 6,5x150 mm | 1260 | M199 |
| 6 | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH0x100 - PH1x80 - PH1x120 - PH2x100 - PH2x150 mm | 1262 | M202 |
| 8 | offset hexagon key wrenches ○ 2-2,5-3-4-5-6-7-8 mm | 96T | M50 |
| 1 | 1/2" wobble extension bar 125 mm | 920AN/125 | M83 |
| 1 | 1/2" wobble extension bar 250 mm | 920AN/250 | M83 |
| 1 | 1/2" drive universal joint | 920/25 | M83 |
| 1 | 1/2" drive sliding T-handle | 920/42 | M83 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 | M83 |
| 19 | 1/2" square drive hexagon sockets ⬡ 10÷24 - 26 - 27 - 30 - 32 mm | 920A | M83 |
| 1 | Heavy-duty diagonal cutting nippers ⧓ 160 mm | 1084 | M137 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150 | M137 |
| 1 | Extra-long needle nose pliers ◖ 160 mm | 1166 | M137 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | M153 |
| 1 | self - locking pliers 240 mm | 1052 | M153 |
| 2 | flat chisels, ribbed type 100 - 200 mm | 35 | M237 |
| 1 | mechanic's hammers 300 g | 1370T | M237 |
| 1 | nylon face hammers, wooden shafts Ø 35 mm | 1390N | M237 |
| 1 | circlip pliers straight, internal ⌒ 180 mm | 1032 | M145 |
| 1 | circlip pliers bent, internal ⌒ 170 mm | 1034 | M145 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 | M145 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 | M145 |
| 6 | drivers for Torx® head screws ✪ T8-T10-T15-T20-T25-T30 | 1267TX | M204 |
| 1 | measuring tape 5 m | 1692 | M289 |
| 1 | mini hacksaw frame | 1725CR | M289 |
| 1 | plastic oil bottle 30 cc | 1755 | M289 |
| 1 | snap - off blade utility knife | 1771 | M289 |
| 5 | bits for slotted head screws, coloured ◐ 0,5x3 - 0,6x4,5 - 0,8x5,5 - 1x5,5 - 1,2x6,5 mm | 860LP | M85 |
| 8 | hexagon bits for power drivers, coloured ○ 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 860PE | M85 |
| 5 | bits for cross head Phillips® screws, coloured ✪ PH0 - PH1 - PH2 - PH3 - PH4 | 860PH | M85 |
| 4 | bits for cross head Pozidriv® - Supadriv® screws, coloured ✪ PZ1 - PZ2 - PZ3 - PZ4 | 860PZ | M85 |
| 11 | bits for Torx® head screws, coloured ✪ T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40 | 860TX | M85 |
| 8 | bits for Tamper Resistant Torx® head screws, coloured ✪ T9-T10-T15-T20-T25-T27-T30-T40 | 860RTX | M85 |
| 1 | magnetic bit holder with handle 230 mm | 851SR | M85 |
| 1 | reversible bit ratchet 100 mm | 860/55 | M85 |
| 5 | second cut files 200 mm | 1719BMA8/S5 | M236 |
| 1 | adaptors for drivers | 892/0 | M85 |
| 1 | magnetic bit holder extension bar | 882P | M85 |

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| 5904VU/2M | 059041202 |

**Assortment recommended in combination with RSC24 - RSC24A - C37 - C39 RSC24L - RSC24L-CAB - C59 - C55 - C23 -RSC28 -C39SM - C39MD -C39T**

# 5904VU/2T

assortment of 104 tools in ABS thermoformed trays

## ► Universal use

| Quantity/Description | Beta N. | TR |
|---|---|---|
| **7** screwdrivers for slotted head screws ◐ 2,5x50 - 3x75 - 3,5x100 - 4x125 5,5x100 - 5,5x150 - 6,5x150 mm | 1260 | **T199** |
| **6** screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH0x100 - PH1x80 - PH1x120 - PH2x100 - PH2x150 mm | 1262 | **T202** |
| **19** 1/2" square drive hexagon sockets ◎ 10-11-12-13-14-15-16-17-18-19 20-21-22-23-24-26-27-30-32 mm | 920A | **T83** |
| **1** 1/2" drive extension bar 125 mm | 920/21 | **T83** |
| **1** 1/2" drive extension bar 255 mm | 920/22 | **T83** |
| **1** 1/2" drive universal joint | 920/25 | **T83** |
| **1** 1/2" drive sliding T-handle 305 mm | 920/42 | **T83** |
| **1** 1/2" drive reversible ratchet ⓡ | 920/55 | **T83** |
| **1** circlip pliers straight, internal ○ 180 mm | 1032 | **T145** |
| **1** circlip pliers bent, internal ○ 170 mm | 1034 | **T145** |
| **1** circlip pliers straight, external ● 175 mm | 1036 | **T145** |
| **1** circlip pliers bent, external ● 175 mm | 1038 | **T145** |
| **1** Slip joint pliers boxed joints 250 mm | 1048 | **T153** |
| **1** self - locking pliers 240 mm | 1052 | **T153** |
| **1** Heavy-duty diagonal cutting nippers ⟨ 160 mm | 1084 | **T138** |
| **1** half-round needle nose pliers 〓 180 mm | 1150 | **T138** |
| **1** Extra-long needle nose pliers ◐ 160 mm | 1166 | **T138** |
| **2** flat chisels, ribbed type 100-200 mm | 35 | **T234** |
| **1** engineer's hammer 300 g | 1370 | **T234** |
| **1** soft face hammer Ø 35 mm | 1390 | **T234** |
| **6** T-handle wrenches with hexagon male ends ○ 2,5-3-4-5-6-8 mm | 951 | **T68** |
| **8** double open end wrenches 6x7-8x9-10x11-12x13-14x15 16x17-18x19-20x22 mm | 55 | **T33** |
| **9** offset hexagon key wrenches ○ 1,5÷10 mm | 96/SC9 | **T33** |
| **16** combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17 18-19-20-21 mm | 42 | **T05** |
| **5** combination wrenches 22-24-27-30-32 mm | 42 | **T06** |
| **1** electrician's scissors, straight blades | 1128BMX | **T284** |
| **1** Multiuse scissors | 1130BMX | **T284** |
| **1** second-cut square files 200 mm | 1719BMA...Q | **T284** |
| **1** second-cut flat files 200 mm | 1719BMA...P | **T284** |
| **1** second-cut triangular files 200 mm | 1719BMA...T | **T284** |
| **1** second-cut half-round files 200 mm | 1719BMA...M | **T284** |
| **1** second-cut round files 200 mm | 1719BMA...R | **T284** |
| **1** hacksaw frame, aluminium handle | 1726BM | **T284** |
| **1** blades for hacksaw | 1728BM | **T284** |
| **1** snap - off blade utility knife 170 mm | 1771BM | **T284** |
| **1** foldaway knife 185 mm | 1778 | **T284** |

**5904VU/2T** 059041070

**Assortment recommended in combination with RSC24 - RSC24A - C37 - C39 RSC24L - RSC24L-CAB - C59 - C55 - RSC23T - RSC28 - C39SM - C39MD -C39T**

# 5904VU/3T

assortment of 146 tools in ABS thermoformed trays

## ► Universal use

| Quantity/Description | Beta N. | TR |
|---|---|---|
| **16** combination wrenches 6÷21 mm | 42 | **T05** |
| **5** combination wrenches 22 - 24 - 27 - 30 - 32 mm | 42 | **T06** |
| **5** pin punches Ø 2 - 3 - 4 - 5 - 6 mm | 31 | **T31** |
| **1** centre punch Ø 4 mm | 32 | **T31** |
| **12** double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x26 - 27x29 - 30x32 mm | 55 | **T31** |
| **9** offset hexagon key wrenches 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96N/SC9 | **T31** |
| **6** offset hexagon key wrenches 2 - 2,5 - 3 - 4 - 5 - 6 mm | 96T | **T52** |
| **6** drivers for Torx® head screws, with handles T10-T15-T20-T25-T27-T30 | 97TTX | **T55** |
| **5** 1/2" drive, socket drivers for hexagon screws 5 - 6 - 8 - 10 - 12 mm | 920ME | **T80** |
| **1** 1/2" drive extension bar 125 mm | 920/21 | **T80** |
| **1** 1/2" drive extension bar 255 mm | 920/22 | **T80** |
| **1** 1/2" drive universal joint | 920/25 | **T80** |
| **1** 1/2" drive sliding T-handle | 920/42 | **T80** |
| **1** 1/2" drive reversible ratchet | 920/55 | **T80** |
| **19** 1/2" square drive hexagon sockets 10÷24 - 26 - 27 - 30 - 32 mm | 920A | **T80** |
| **13** 1/4" hexagon sockets 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | 900 | **T91** |
| **6** 1/4" socket drivers for hexagon screws 2,5-3-4-5-6-8 mm | 900ME | **T91** |
| **1** 1/4" drive extension bar 50 mm | 900/20 | **T91** |
| **1** 1/4" drive extension bar 150 mm | 900/21 | **T91** |
| **1** 1/4" drive universal joint | 900/25 | **T91** |
| **1** 1/4" drive spinner handle | 900BG/30 | **T91** |
| **1** 1/4" drive swivel T-handle 115 mm | 900/42 | **T91** |
| **1** 1/4" reversible ratchet | 900/55 | **T91** |
| **1** circlip pliers straight, internal 180 mm | 1032 | **T145** |
| **1** circlip pliers bent, internal 170 mm | 1034 | **T145** |
| **1** circlip pliers straight, external 175 mm | 1036 | **T145** |
| **1** circlip pliers bent, external 175 mm | 1038 | **T145** |
| **1** half-round needle nose pliers 180 mm | 1150 | **T138** |
| **1** Extra-long needle nose pliers 160 mm | 1166 | **T138** |
| **1** Heavy-duty diagonal cutting nippers 160 mm | 1084 | **T138** |
| **1** Slip joint pliers boxed joints 250 mm | 1048 | **T153** |
| **1** self - locking pliers 240 mm | 1052 | **T153** |
| **4** screwdrivers for slotted head screws 3x75 - 4x100 - 5,5x150 - 6,5x150 mm | 1260 | **T198** |
| **3** screwdrivers for cross head Pozidriv®-Supadriv® screws PZ0 - PZ1 - PZ2 | 1269PZ | **T198** |
| **7** drivers for Torx® head screws T6-T7-T8-T9-T10-T15-T20 | 1267TX | **T205** |
| **2** flat chisels, ribbed type 100 - 200 mm | 35 | **T234** |
| **1** engineer's hammer 300 g | 1370 | **T234** |
| **1** soft face hammer Ø 35 mm | 1390 | **T234** |
| **5** second cut files 200 mm | 1719BMA8/S5 | **T236** |

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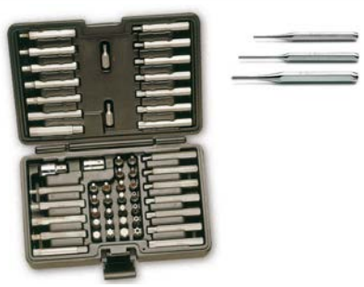
| **5904VU/3T** | 059041203 |

**Assortment recommended in combination with RSC24 - RSC24A - C37 - C39 RSC24L - RSC24L-CAB - C59 - C55 - C39T - C39SM - C39MD - RSC23T - RSC28**



# 5904VU/4T

assortment of 197 tools in ABS thermoformed trays

## ► Universal use

| Quantity/Description | Beta N. | TR |
|---|---|---|
| **1** drift punches Ø 4 mm | 30 | |
| **1** pin punches Ø 4 mm | 31 | |
| **1** centre punch Ø 4 mm | 32 | |
| **54** assortment of 52 hexagon bits, 10 mm, and 2 accessories | 867/C52 | |
| **17** combination wrenches 6-7-8-10-11-12-13-14-16-17-18-19-21-22-24-27-30 mm | 42 | **T01** |
| **7** double ended offset ring wrenches 6x7-8x9-10x11-12x13-14x15-16x17-18x19 mm | 90 | **T40** |
| **19** 1/2" square drive hexagon sockets ◎ 10-11-12-13-14-15-16-17-18-19 -20-21-22-23-24-26-27-30-32 mm | 920A | **T83** |
| **1** 1/2" drive extension bar 125 mm | 920/21 | **T83** |
| **1** 1/2" drive extension bar 250 mm | 920/22 | **T83** |
| **1** 1/2" drive universal joint | 920/25 | **T83** |
| **1** 1/2" drive sliding T-handle 305 mm | 920/42 | **T83** |
| **1** 1/2" drive reversible ratchet ⓡ | 920/55 | **T83** |
| **13** 1/4" hexagon sockets ◎ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | 900 | **T91** |
| **6** 1/4" socket drivers for hexagon screws ○ 2,5-3-4-5-6-8 mm | 900ME | **T91** |
| **1** 1/4" drive extension bar 50 mm | 900/20 | **T91** |
| **1** 1/4" drive extension bar 150 mm | 900/21 | **T91** |
| **1** 1/4" drive universal joint | 900/25 | **T91** |
| **1** 1/4" drive spinner handle | 900BG/30 | **T91** |
| **1** 1/4" drive swivel T-handle 115 mm | 900/42 | **T91** |
| **1** 1/4" reversible ratchet ⓡ | 900/55 | **T91** |
| **1** Diagonal cutting nippers ⧓ 160 mm | 1082 | **T156** |
| **1** half-round needle nose pliers ▬ 180 mm | 1150 | **T156** |
| **1** Slip joint pliers boxed joints 250 mm | 1048 | **T156** |
| **7** screwdriver for slotted head screws ◐ 2,5x50 - 3x75 - 3,5x100 - 4x125 - 5,5x100 - 5,5x150 - 6,5x150 mm | 1201E | **T211** |
| **6** screwdriver for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH1x120 - PH2x100 - PH2x150 - PH3x150 mm | 1202E | **T213** |
| **7** screwdrivers for Torx® head screws, with handles ✪ T6-T7-T8-T9-T10-T15-T20 | 1207E/TX | **T216** |
| **2** flat chisels, ribbed type 100-200 mm | 35 | **T234** |
| **1** engineer's hammer 300 g | 1370 | **T234** |
| **1** soft face hammer Ø 35 mm | 1390 | **T234** |
| **7** ball head offset hexagon key wrenches burnished ○ 2,5-3-4-5-6-8-10 mm | 96BP | **T259** |
| **1** offset hexagon key wrenches ○ 12 mm | 96N | **T259** |
| **31** bits with magnetic quick release bit holder in plastic case ◐ ○ ✪ ✪ ⊛ | 860MIX/A31 | **T259** |
| **1** socket holder | 895/1 | **T259** |

**5904VU/4T** 059241100

**Assortment recommended in combination with items RSC23T - RSC24 - RSC24A - RSC24AXL - RSC24L - RSC24L-CAB - C37 - C39 - C39T - C39SM - C39MD - RSC55 - C59**

# 5908VU/2T

assortment of 161 tools in ABS thermoformed trays

## ► Universal use

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 16 | combination wrenches 6÷21 mm | 42 | T05 |
| 5 | combination wrenches 22 - 24 - 27 - 30 - 32 mm | 42 | T06 |
| 5 | pin punches Ø 2 - 3 - 4 - 5 - 6 mm | 31 | T31 |
| 1 | centre punch Ø 4 mm | 32 | T31 |
| 12 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 - 21x23 - 24x26 - 27x29 - 30x32 mm | 55 | T31 |
| 9 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96N/SC9 | T31 |
| 7 | double ended offset ring wrenches 6x7-8x9-10x11-12x13-14x15-16x17-18x19 mm | 90 | T40 |
| 6 | offset hexagon key wrenches ○ 2-2,5-3-4-5-6 mm | 96T | T52 |
| 6 | drivers for Torx® head screws, with handles ✪ T10-T15-T20-T25-T27-T30 | 97TTX | T55 |
| 19 | 1/2" square drive hexagon sockets ◎ 10-11-12-13-14 15-16-17-18-19-20-21-22-23-24-26-27-30-32 mm | 920A | T82 |
| 5 | 1/2" drive, socket drivers for hexagon screws ○ 5-6-8-10-12 mm | 920ME | T82 |
| 1 | 1/2" wobble extension bar 125 mm | 920AN/125 | T82 |
| 1 | 1/2" wobble extension bar 250 mm | 920AN/250 | T82 |
| 1 | 1/2" drive universal joint | 920/25 | T82 |
| 1 | 1/2" drive sliding T-handle 305 mm | 920/42 | T82 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 | T82 |
| 13 | 1/4" hexagon sockets ◎ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | 900 | T91 |
| 6 | 1/4" socket drivers for hexagon screws ○ 2,5-3-4-5-6-8 mm | 900ME | T91 |
| 1 | 1/4" drive extension bar 50 mm | 900/20 | T91 |
| 1 | 1/4" drive extension bar 150 mm | 900/21 | T91 |
| 1 | 1/4" drive universal joint | 900/25 | T91 |
| 1 | 1/4" drive spinner handle | 900BG/30 | T91 |
| 1 | 1/4" drive swivel T-handle 115 mm | 900/42 | T91 |
| 1 | 1/4" reversible ratchet ⓡ | 900/55 | T91 |
| 1 | Heavy-duty diagonal cutting nippers ◥ 160 mm | 1084 | T138 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150 | T138 |
| 1 | Extra-long needle nose pliers ◖ 160 mm | 1166 | T138 |
| 1 | circlip pliers straight, internal ○ 180 mm | 1032 | T145 |
| 1 | circlip pliers bent, internal ○ 170 mm | 1034 | T145 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 | T145 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 | T145 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | T153 |
| 1 | self - locking pliers 240 mm | 1052 | T153 |
| 7 | screwdrivers for cross head Phillips® screws ◖ 2,5x50-3x75-3,5x100-4x125-5,5x100-5,5x150-6,5x150 mm | 1290 | T170 |
| 3 | screwdrivers for cross head Phillips® screws ◖ 8x150-8x200-10x200 mm | 1290 | T171 |
| 2 | screwdriver for slotted head screws, extra-short series ◖ 4x30-6,5x30 mm | 1290N | T171 |
| 6 | screwdrivers for cross head Phillips® screws ✪ PH0x60-PH0x100-PH1x80-PH1x120-PH2x100-PH2x150 mm | 1292 | T172 |
| 2 | screwdrivers for cross head Phillips® screws ✪ PH3x150-PH4x200 mm | 1292 | T173 |
| 2 | screwdriver for cross head Phillips® screws, extra-short series ✪ PH1x30-PH2x30 mm | 1292N | T173 |
| 2 | flat chisels, ribbed type 100-200 mm | 35 | T234 |
| 1 | engineer's hammer 300 g | 1370 | T234 |
| 1 | soft face hammer Ø 35 mm | 1390 | T234 |
| 1 | second-cut square files 200 mm | 1719BMA...Q | T236 |
| 1 | second-cut triangular files 200 mm | 1719BMA...T | T236 |
| 1 | second-cut flat files 200 mm | 1719BMA...P | T236 |
| 1 | second-cut half-round files 200 mm | 1719BMA...M | T236 |
| 1 | second-cut round files 200 mm | 1719BMA...R | T236 |
| 1 | | VP4 | |

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| 5908VU/2T | 059081136 |

**Assortment recommended in combination with items RSC23T - RSC24, 6-7-8 drawers - RSC24A - RSC24AXL - RSC24L - RSC24L-CAB - RSC28 C37, 6-7-8 drawers - C39, 6-7-8 drawers - C39MD - C39SM - C59 - RSC55**

MC T1

MC T2

MC T3

# 5914VU/M

assortment of 109 tools for trolley C14, in EVA foam trays

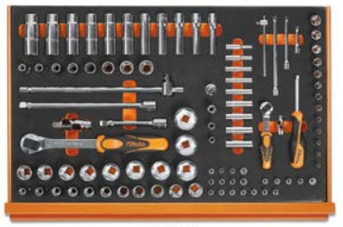
## ► Universal use

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 31 | bits with magnetic quick release bit holder in plastic case ◐ ○ ✪ ✪ ⊛ | 860MIX/A31 | MCT1 |
| 1 | socket holder | 895/1 | MCT1 |
| 13 | 1/4" hexagon sockets ◎ 4-4,5-5,5-6-7-8-9-10-11-12-13-14 mm | 900 | MCT1 |
| 1 | 1/4" drive extension bar 150 mm | 900/... | MCT1 |
| 1 | 1/4" drive universal joint | 900/25 | MCT1 |
| 1 | 1/4" drive spinner handle | 900BG/30C | MCT1 |
| 1 | 1/4" drive swivel T-handle | 900/42 | MCT1 |
| 1 | 1/4" reversible ratchet ⓡ | 900/55 | MCT1 |
| 16 | 1/2" square drive hexagon sockets ◎ 10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32 mm | 920A | MCT1 |
| 1 | 1/2" drive universal joint | 920/25 | MCT1 |
| 1 | 1/2" wobble extension bar | 920AN/125 | MCT1 |
| 1 | 1/2" drive sliding T-handle | 920/42 | MCT1 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 | MCT1 |
| 16 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-21-22 mm | 42 | MCT2 |
| 9 | offset hexagon key wrenches ○ | 96/SC9 | MCT2 |
| 1 | adjustable wrench 250 mm | 111 | MCT2 |
| 1 | electrician's scissors, straight blades | 1128BMX | MCT2 |
| 1 | measuring tape 5 mt | 1692/5 | MCT2 |
| 1 | snap - off blade utility knife | 1771 | MCT2 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | MCT3 |
| 1 | Diagonal cutting nippers ⧓ 160 mm | 1082BM | MCT3 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM | MCT3 |
| 1 | Extra-long needle nose pliers ◐ 160 mm | 1166BM | MCT3 |
| 3 | screwdrivers for slotted head screws ◐ 3,5x100-5,5x125-6,5x150 mm | 1260 | MCT3 |
| 3 | screwdrivers for cross head Phillips® screws ✪ PHx60-PH1x80-PH3x100 mm | 1262 | MCT3 |

**5914VU/M** 059140112

**Assortment recommended in combination with C14**

M01



M100

M213

M33 M86 M136 M234

# 5988U/7M

assortment of 215 tools in EVA foam trays

## ► Universal use

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 22 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32-36 mm | 42 | M01 |
| 8 | double open end wrenches 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22 mm | 55 | M33 |
| 9 | offset hexagon key wrenches ○ 1,5÷10 mm | 96/SC9 | M33 |
| 7 | hexagon bits ○ 4-5-6-7-8-10-12 mm | 867PE | M86 |
| 7 | hexagon bits ○ 4-5-6-7-8-10-12 mm | 867PE/L | M86 |
| 5 | bits with XZN® profile ○ 5-6-8-10-12 mm | 867XZN | M86 |
| 5 | bits with XZN® profile ○ 5-6-8-10-12 mm | 867XZN/L | M86 |
| 7 | bits for Torx® head screws ✪ T20-T25-T30-T40-T45-T50-T55 | 867TX | M86 |
| 6 | bits for Torx® head screws ✪ T25-T30-T40-T45-T50-T55 | 867TX/L | M86 |
| 7 | bits for Tamper Resistant Torx® head screws ✪ T20-T25-T30-T40-T45-T50-T55 | 867RTX | M86 |
| 1 | bit holder sockets for item 867 | 867/1 | M86 |
| 1 | bit holder sockets for item 867 | 867/2 | M86 |
| 1 | socket holder | 895/1 | M100 |
| 1 | socket holder | 895/3 | M100 |
| 1 | socket holder | 895/6 | M100 |
| 13 | 1/4" hexagon sockets ◎ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | 900 | M100 |
| 9 | hexagon hand sockets, long series ◎ 5-6-7-8-9-10-11-12-13 mm | 900L | M100 |
| 5 | 1/4" socket drivers for hexagon screws ○ 3-4-5-6-7 mm | 900ME | M100 |
| 4 | socket drivers for slotted head screws ◐ 0,8x4-1x5,5-1,2x6,5-1,2x8 mm | 900LP | M100 |
| 4 | socket drivers for cross head Phillips® screws ✪ PH1-PH2-PH3-PH4 | 900PH | M100 |
| 7 | socket drivers for Torx® head screws ✪ T10-T15-T20-T25-T27-T30-T40 | 900TX | M100 |
| 1 | 1/4" drive extension bar 50 mm | 900/20 | M100 |
| 1 | 1/4" drive extension bar 100 mm | 900/20L | M100 |
| 1 | 1/4" drive extension bar 150 mm | 900/21 | M100 |
| 1 | 1/4" drive universal joint | 900/25 | M100 |
| 1 | 1/4" drive spinner handle | 900BG/30 | M100 |
| 1 | 1/4" drive swivel T-handle | 900/42 | M100 |
| 1 | 1/4" reversible ratchet ⓡ | 900/55 | M100 |
| 21 | 1/2" square drive hexagon sockets ◎ 8-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 mm | 920A | M100 |
| 1 | adaptor, 1/2" female and 3/8" male drives | 920/15 | M100 |
| 1 | 1/2" drive universal joint | 920/25 | M100 |
| 1 | 1/2" wobble extension bar 125 mm | 920AN/125 | M100 |
| 1 | 1/2" wobble extension bar 250 mm | 920AN/250 | M100 |
| 1 | 1/2" drive sliding T-handle | 920/42 | M100 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 | M100 |
| 8 | 1/2" sockets for Torx® head screws ◎ 10-12-14-16-18-20-22-24 mm | 920FTX | M100 |
| 11 | hexagon hand sockets ◎ 10-12-13-14-15-16-17-18-19-21-22 | 920AL | M100 |
| 1 | Heavy-duty diagonal cutting nippers ⧓ 160 mm | 1084BM | M136 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM | M136 |
| 1 | Extra-long needle nose pliers ◐ 160 mm | 1166BM | M136 |
| 6 | screwdriver for slotted head screws ◐ 2,5x50-3x75-4x100-5,5x125-6,5x150-8x200 mm | 1201E | M213 |
| 1 | screwdriver for slotted head screws, extra-short series ◐ 4x30 mm | 1201EN | M213 |
| 4 | screwdriver for cross head Phillips® screws ✪ PH0x60-PH1x80-PH2x100-PH3x150 mm | 1202E | M213 |
| 1 | screwdriver for cross head Phillips® screws, extra-short series ✪ PH1X30 mm | 1202EN | M213 |
| 12 | screwdrivers for Torx® head screws, with handles ✪ T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40-T45 | 1207E/TX | M213 |
| 1 | mains testing screwdriver ◐ | 1253 | M213 |
| 2 | flat chisels, ribbed type 100-200 mm | 35 | M234 |
| 1 | engineer's hammer 300 g | 1370 | M234 |
| 1 | soft face hammer Ø 35 mm | 1390 | M234 |

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|---|---|
| 5988U/7M | 059881019 |

**Assortment recommended in combination with items RSC23T - RSC24 - RSC24A - RSC24AXL - RSC24L - RSC24L-CAB - RSC28 - C37 - C39 - C39SM - C39MD - RSC55 - C59**

## 5915VU/0

Assortment of 35 tools

### ► Universal use

| Quantity | Description | Beta N. |
|---|---|---|
| 1 | centre punch 4 mm | 32 |
| 1 | flat chisels, ribbed type 125 mm | 35 |
| 8 | double open end wrenches 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22 mm | 55 |
| 7 | Offset hexagon key wrenches ○ 1,5-2-2,5-3-4-5-6 mm | 96/BGS7 |
| 1 | adjustable wrench 150 mm | 111 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | diagonal cutting nippers, slip-proof double layer PVC coated handles, industrial finish ⧗ 160 mm | 1082G |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, slip-proof double layer PVC coated handles, industrial finish 〓 180 mm | 1150G |
| 1 | extra-long needle knurled nose pliers, slip-proof double layer PVC coated handles, industrial finish ◖ 160 mm | 1166G |
| 4 | screwdriver for slotted head screws ◖ 3x75-4x100-5,5x100-6,5x150 mm | 1201E |
| 3 | screwdriver for cross head Phillips® screws ✪ PH0x60-PH1x80-PH2x100 mm | 1202E |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | measuring tape 3 m | 1692/3 |
| 1 | snap - off blade utility knife 18 mm | 1771 |
| 1 | car service knife | 1778SOS |
| 1 | high-brightness LED torch, made of sturdy anodized aluminium, up to 500 lumens | 1833S |

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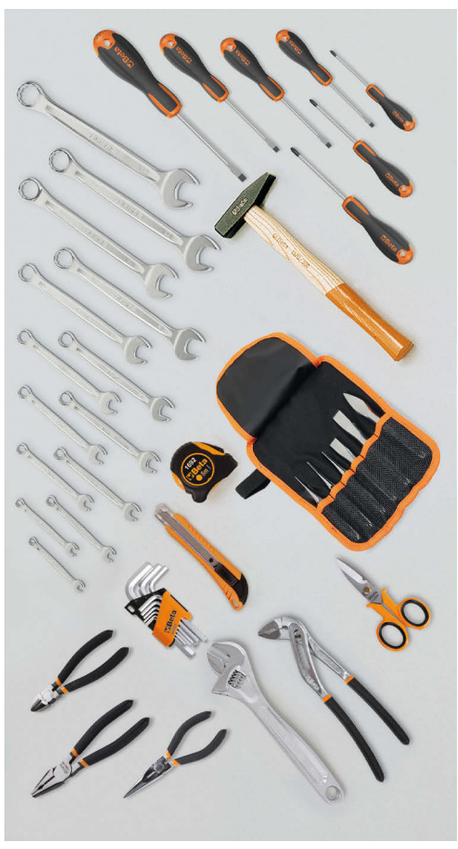
| **5915VU/0** | 059151021 |

**Assortment recommended in combination with C4 - C5 - C5S - C6T**



## 5915VU/1

Assortment of 45 tools

### ► Universal use

| Quantity | Description | Beta N. |
|---|---|---|
| 2 | drift punches Ø 2-3 mm | 30 |
| 1 | centre punch Ø 4 mm | 32 |
| 2 | flat chisels 125-150 mm | 34 |
| 1 | cape chisels, standard type 150 mm | 36 |
| 14 | combination wrenches 6÷14 - 17 - 19 - 21 - 22 - 24 mm | 42 |
| 9 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96/SC9 |
| 1 | adjustable wrench 250 mm | 111 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | diagonal cutting nippers, slip-proof double layer PVC coated handles, industrial finish ⧗ 160 mm | 1082G |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, slip-proof double layer PVC coated handles, industrial finish 〓 180 mm | 1150G |
| 1 | extra-long needle knurled nose pliers, slip-proof double layer PVC coated handles, industrial finish ◖ 160 mm | 1166G |
| 4 | screwdriver for slotted head screws ◖ 3x75 - 4x100 - 5,5x100 - 6,5x150 mm | 1201E |
| 3 | screwdriver for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 mm | 1202E |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | measuring tape 5 m | 1692 |
| 1 | snap - off blade utility knife | 1771 |

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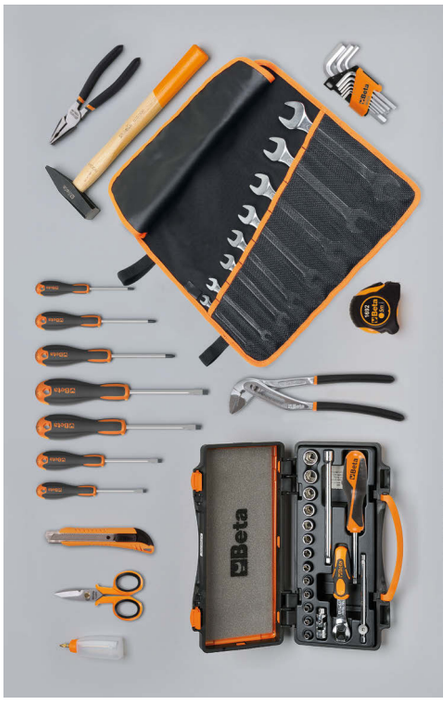
| **5915VU/1** | 059151024 |

**Assortment recommended in combination with C8 - C9 - C10 - C10S - C11 - CP15 -CP15L - C16 - CP17 - CP17L - C18**



## 5915VU/2

Assortment of 49 tools

### ► Universal use

| Quantity | Description | Beta N. |
|---|---|---|
| 8 | 6x7 - 8x9 - 10x11 - 12x13 -14x15 16x17 - 18x19 - 20x22 mm | 55/B8N |
| 9 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96/SC9 |
| 13 | 1/4" hexagon sockets ◌ 4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm | 900 |
| 1 | 1/4" drive extension bar 150 mm | 900/21 |
| 1 | 1/4" drive universal joint | 900/25 |
| 1 | 1/4" drive spinner handle | 900BG/30 |
| 1 | 1/4" drive swivel T-handle | 900/42 |
| 1 | 1/4" reversible ratchet ⓡ | 900/55 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, slip-proof double layer PVC coated handles, industrial finish 〓 180 mm | 1150G |
| 4 | screwdriver for slotted head screws ◖ 3x75 - 4x100 - 5,5x150 - 6,5x150 mm | 1201E |
| 3 | screwdriver for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 mm | 1202E |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | measuring tape 3 m | 1692 |
| 1 | plastic oil bottle 30 cc | 1755 |
| 1 | snap - off blade utility knife 18 mm | 1771 |

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| **5915VU/2** | 059151027 |

**Assortment recommended in combination with C7 - CP15 - C20 - C20L**

## 5915VU/3

assortment of 74 tools

### ► Universal use

| Quantity | Description | Beta N. |
|---|---|---|
| 1 | pin punches Ø 4 mm | 31 |
| 1 | centre punch Ø 4 mm | 32 |
| 1 | flat chisels 150 mm | 34 |
| 14 | combination wrenches 6-7-8-10-11-12-13-14-15-16-17-19-22-24 mm | 42 |
| 9 | offset hexagon key wrenches ○ 1,5÷10 mm | 96/SC9 |
| 3 | offset hexagon key wrenches ○ 4 - 5 - 6 mm | 96T |
| 1 | adjustable wrench 250 mm | 111 |
| 13 | 1/2" square drive hexagon sockets ◌ 8÷17 - 19 - 22 - 24 mm | 920A |
| 1 | 1/2" drive extension bar 125 mm | 920/21 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 |
| 8 | double ended hexagon tubular socket wrenches, light series 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm | 935 |
| 2 | tommy bars for tubular wrenches | 940 |
| 1 | slip joint pliers 250 mm | 1048V |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | heavy duty diagonal cutting nippers, slip-proof double layer PVC coated handles, industrial finish ⧗ 160 mm | 1084G |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, slip-proof double layer PVC coated handles, industrial finish 〓 180 mm | 1150G |
| 1 | extra-long needle knurled nose pliers, slip-proof double layer PVC coated handles, industrial finish ◖ 160 mm | 1166G |
| 4 | screwdriver for slotted head screws ◖ 3x75 - 4x100 - 5,5x150 - 6,5x150 mm | 1201E |
| 3 | screwdriver for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 mm | 1202E |
| 1 | engineer's hammer 400 g | 1370 |
| 1 | measuring tape 5 m | 1692 |
| 1 | hacksaw frame, aluminium handle | 1726 |
| 1 | plastic oil bottle 150 cc | 1755 |
| 1 | snap - off blade utility knife | 1771 |

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| **5915VU/3** | 059151028 |

**Assortment recommended in combination with C7 - C9 - C10 - C10S - C11 - CP15L - C16 - CP17 - CP17L - C19 - C19L - C20 - C20L**

## 5915VU/4

Assortment of 80 tools

### ► Universal use

| Quantity | Description | Beta N. |
|---|---|---|
| 1 | pin punches Ø 4 mm | 31 |
| 1 | centre punch Ø 4 mm | 32 |
| 1 | flat chisels 150 mm | 34 |
| 15 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-19-22-24 mm | 42 |
| 9 | offset hexagon key wrenches ○ 1,5÷10 mm | 96/SC9 |
| 1 | adjustable wrench 250 mm | 111 |
| 13 | 1/2" square drive hexagon sockets ○ 8÷17 - 19 - 22 - 24 mm | 920A |
| 1 | 1/2" drive extension bar 255 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive reversible ratchet Ⓡ | 920/55 |
| 17 | double ended hexagon/bi - hex offset socket wrenches 6÷22 mm | 932/S17 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | heavy duty diagonal cutting nippers, bi-material handles, industrial finish ⧗ 160 mm | 1084GBM |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, bi-material handles, industrial finish 〓 180 mm | 1150GBM |
| 1 | extra-long needle knurled nose pliers, bi-material handles, industrial finish ◖ 160 mm | 1166GBM |
| 4 | screwdriver for slotted head screws ◖ 3x75 - 4x100 - 5,5x150 - 6,5x150 mm | 1201E |
| 3 | screwdriver for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 mm | 1202E |
| 1 | riveting hammer 32 mm | 1370F |
| 1 | measuring tape 5 m | 1692 |
| 1 | hacksaw frame, aluminium handle | 1726 |
| 1 | plastic oil bottle 150 cc | 1755 |
| 1 | snap - off blade utility knife | 1771 |

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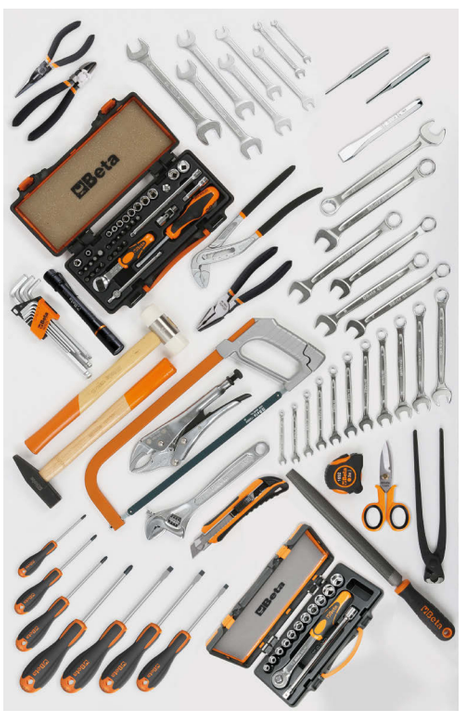
| **5915VU/4** | 059151045 |

**Assortment recommended in combination with C20 - C20L**



## 5915VU/5

assortment of 111 tools

### ► Universal use

| Quantity | Description | Beta N. |
|---|---|---|
| 1 | pin punches Ø 4 mm | 31 |
| 1 | centre punch Ø 4 mm | 32 |
| 1 | flat chisels 150 mm | 34 |
| 17 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm | 42 |
| 8 | double open end wrenches 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22 mm | 55/S8 |
| 9 | ball head offset hexagon key wrenches ○ | 96BPC/SC9 |
| 1 | adjustable wrench 250 mm | 111 |
| 39 | 11 hexagon sockets, 20 bits and 8 accessories | 900/C11 |
| 13 | 11 sockets and 2 accessories | 920A/C11 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | diagonal cutting nippers, slip-proof double layer PVC coated handles, industrial finish ⧗ 160 mm | 1082G |
| 1 | construction worker's pincers 220 mm | 1098 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, slip-proof double layer PVC coated handles, industrial finish 〓 180 mm | 1150G |
| 1 | extra-long needle knurled nose pliers, slip-proof double layer PVC coated handles, industrial finish ◖ 160 mm | 1166G |
| 4 | screwdriver for slotted head screws ◖ 3x75 - 4x100 - 5,5x100 - 6,5x150 mm | 1201E |
| 3 | screwdriver for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 mm | 1202E |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | soft face hammer Ø 35 mm | 1390 |
| 1 | measuring tape 3 m | 1692/3 |
| 1 | second cut files | 1719BMA8/M |
| 1 | hacksaw frame, aluminium handle 440 mm | 1726 |
| 1 | snap - off blade utility knife 18 mm | 1771BM |
| 1 | LED inspection torch, made of sturdy anodized aluminium | 1833XS/2 |

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| **5915VU/5** | 059151046 |

**Assortment recommended in combination with C12 - C41S - C41H - C42S - C42H**

## 5915VU/AS

assortment of 68 tools

### ► Universal use

| Quantity | Description | Beta N. |
|---|---|---|
| 1 | pin punches Ø 4 mm | 31 |
| 1 | centre punch Ø 4 mm | 32 |
| 1 | flat chisels 150 mm | 34 |
| 13 | combination wrenches 1/4 - 5/16 - 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 15/16 - 1” | 42AS |
| 8 | double ended offset ring wrenches 1/4”÷1” | 90AS/8 |
| 9 | offset hexagon key wrenches, burnished ○ 3/64”÷3/8” | 96AS/SC9 |
| 1 | adjustable wrench 250 mm | 111 |
| 11 | 1/2” square drive bi - hex sockets ○ 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 15/16 - 1” | 920AS |
| 1 | 1/2" drive extension bar 125 mm | 920/21 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive reversible ratchet | 920/55 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | heavy duty diagonal cutting nippers, bi-material handles, industrial finish 160 mm | 1084GBM |
| 1 | electrician’s scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, bi-material handles, industrial finish 180 mm | 1150GBM |
| 1 | extra-long needle knurled nose pliers, bi-material handles, industrial finish 160 mm | 1166GBM |
| 4 | screwdriver for slotted head screws 3x75 - 4x100 - 5,5x150 - 6,5x150 mm | 1201E |
| 3 | screwdriver for cross head Phillips® screws PH0x60 - PH1x80 - PH2x100 mm | 1202E |
| 1 | engineer’s hammer 300 g | 1370 |
| 1 | measuring tape 5 m | 1692 |
| 1 | hacksaw frame, aluminium handle | 1726 |
| 1 | plastic oil bottle 150 cc | 1755 |
| 1 | snap - off blade utility knife | 1771 |

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| **5915VU/AS** | 059151032 |

**Assortment recommended in combination with C10 - C20 - C20L**

MC10

MC20

## 5927VU/M

assortment of 108 tools in EVA foam trays

### ► Universal use

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 16 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-21-22 mm | 42 | MC10 |
| 1 | Heavy-duty diagonal cutting nippers 160 mm | 1084BM | MC10 |
| 9 | offset hexagon key wrenches ○ 1,5-2-2,5-3-4-5-6-8-10 mm | 96/SC9 | MC10 |
| 1 | half-round needle nose pliers 180 mm | 1150BM | MC10 |
| 1 | Extra-long needle nose pliers 160 mm | 1166BM | MC10 |
| 3 | screwdriver for slotted head screws 3,5x100-5,5x150-6,5x150 mm | 1201E | MC10 |
| 3 | screwdriver for cross head Phillips® screws PH0x3x60-PH1x4,5x80-PH2x6x100 mm | 1202E | MC10 |
| 31 | bits with magnetic quick release bit holder in plastic case ○ | 860MIX/A31 | MC20 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | MC20 |
| 1 | engineer’s hammer 300 mm | 1370 | MC20 |
| 1 | centre punch 4 mm | 32 | MC20 |
| 1 | cape chisels, standard type 4 mm | 36 | MC20 |
| 13 | 1/4" hexagon sockets ○ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | 900 | MC20 |
| 1 | 1/4” drive extension bar 150 mm | 900/21 | MC20 |
| 1 | 1/4" drive universal joint | 900/25 | MC20 |
| 1 | 1/4” drive spinner handle | 900BG/30C | MC20 |
| 1 | 1/4" drive swivel T-handle | 900/42 | MC20 |
| 1 | 1/4" reversible ratchet | 900/55 | MC20 |
| 16 | 1/2" square drive hexagon sockets ○ 10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32 mm | 920A | MC20 |
| 1 | 1/2" drive universal joint | 920/25 | MC20 |
| 1 | 1/2” wobble extension bar 125 mm | 920AN/125 | MC20 |
| 1 | 1/4" drive swivel T-handle | 900/42 | MC20 |
| 1 | 1/4" reversible ratchet | 900/55 | MC20 |
| 1 | socket holder | 895/1 | MC20 |

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| **5927VU/M** | 059271021 |

**Assortment recommended in combination with RSC22 - C27S - RSC23 - RSC23C**

# 5938U/2T

assortment of 210 tools in ABS thermoformed trays

## ► Universal use

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 7 | screwdriver for slotted head screws 2,5x50 - 3x75 - 3,5x100 - 4x125 5,5x100 - 5,5x150 - 6,5x150 mm | 1201E | T211 |
| 6 | screwdriver for cross head Phillips® screws PH0x60-PH1x80-PH1x120-PH2x100-PH2x150-PH3x150 mm | 1202E | T213 |
| 7 | screwdrivers for Torx® head screws, with handles T6-T7-T8-T9-T10-T15-T20 | 1207E/TX | T216 |
| 1 | circlip pliers straight, internal 180 mm | 1032 | T145 |
| 1 | circlip pliers bent, internal 170 mm | 1034 | T145 |
| 1 | circlip pliers straight, external 175 mm | 1036 | T145 |
| 1 | circlip pliers bent, external 175 mm | 1038 | T145 |
| 1 | Slip joint pliers boxed joints 240 mm | 1048 | T153 |
| 1 | self - locking pliers 240 mm | 1052 | T153 |
| 1 | Heavy-duty diagonal cutting nippers 160 mm | 1084BM | T137 |
| 1 | half-round needle nose pliers 180 mm | 1150BM | T137 |
| 1 | Extra-long needle nose pliers 160 mm | 1166BM | T137 |
| 1 | reversible ratcheting wrench for bits 1/4x5/16 | 194 | T85 |
| 13 | 1/4" hexagon sockets 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | 900 | T85 |
| 1 | 1/4" reversible ratchet 125 mm | 900/55 | T85 |
| 1 | 1/4" drive swivel T-handle 115 mm | 900/42 | T85 |
| 1 | 1/4" drive spinner handle 176 mm | 900BG/30 | T85 |
| 1 | 1/4" drive universal joint 41 mm | 900/25 | T85 |
| 1 | 1/4" drive extension bar 150 mm | 900/21 | T85 |
| 1 | magnetic bit holder with handle 230 mm | 851SR | T85 |
| 5 | bits for Spanner screws 4-6-8-10-12 mm | 861SP | T85 |
| 8 | bits for Torq-Set® head screws 0-1-2-3-4-5-6-8 mm | 861TQS | T85 |
| 6 | bits for Tri-Wing® head screws 1-2-3-4-5-6 mm | 861TRW | T85 |
| 8 | bits for Tamper Resistant Torx® head screws T9-T10-T15-T20-T25-T27-T30-T40 | 861RTX | T85 |
| 11 | bits for Torx® head screws T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40 | 861TX | T85 |
| 3 | bits for cross head Pozidriv®-Supadriv® screws PZ1 - PZ2 - PZ3 | 861PZ | T85 |
| 4 | bits for cross head Phillips® screws PH0 - PH1 - PH2 - PH3 | 861PH | T85 |
| 8 | hexagon bits for power drivers 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 861PE | T85 |
| 7 | bits for slotted head screws 0,5x3 - 0,6x4,5 - 0,8x5,5 - 1x5,5 - 1,2x6,5 - 1,2x8 - 1,6x8 mm | 861LP | T85 |
| 2 | flat chisels, ribbed type 100 - 200 mm | 35 | T234 |
| 1 | engineer's hammer 300 g | 1370 | T234 |
| 1 | soft face hammer Ø 35 mm | 1390 | T234 |
| 1 | measuring tape 5 m | 1692 | T289 |
| 1 | mini hacksaw frame | 1725CR | T289 |
| 1 | plastic oil bottle | 1755 | T289 |
| 1 | snap - off blade utility knife | 1771 | T289 |
| 19 | 1/2" square drive hexagon sockets 10 - 11 - 12÷19 - 20 - 21 22 - 23 - 24 - 26 - 27 - 30 - 32 mm | 920A | T80 |
| 5 | 1/2" drive, socket drivers for hexagon screws 5 - 6 - 8 - 10 - 12 mm | 920ME | T80 |
| 1 | 1/2" drive extension bar 125 mm | 920/21 | T80 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 | T80 |
| 1 | 1/2" drive universal joint | 920/25 | T80 |
| 1 | 1/2" drive sliding T-handle | 920/42 | T80 |
| 1 | 1/2" drive reversible ratchet | 920/55 | T80 |
| 1 | centre punch Ø 4 mm | 32 | T239 |
| 6 | pin punches with handles 2-3-4-5-6-8 mm | 31BM | T239 |
| 17 | combination wrenches 6-7-8-10-11-12-13-14-16-17-18-19-21-22-24-27-30 mm | 42 | T01 |
| 8 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm | 55 | T33 |
| 9 | offset hexagon key wrenches | 96/SC9 | T33 |
| 6 | T-handle wrenches with hexagon male ends 2,5 - 3 - 4 - 5 - 6 - 8 mm | 951 | T68 |
| 5 | second cut files 200 mm | 1719BMA8/S5 | T236 |
| 11 | offset hexagon key wrenches 2 - 2,5 - 3 - 3,5 - 4 - 4,5 - 5 - 6 mm | 96T | T50 |
| 4 | thermoformed trays, empty | VP-3SC | VP-3SC |
| 4 | thermoformed trays, empty | VP-LS | VP-LS |
| 4 | thermoformed trays, empty | VP-LD | VP-LD |

5938U/2T 059381062

**Assortment recommended in combination with C38**

# 5957U-P

assortment of 133 tools

## ► Universal use

| Quantity/Description | | Beta N. |
|---|---|---|
| 6 | pin punches 2 ÷ 8 mm | 31/SP6 |
| 6 | 2 drift punches, 1 centre punch, 3 flat chisels with metal holder | 38/SP6 |
| 17 | combination wrenches 6÷22 - 24 - 27 - 30 - 32 mm | 42/S17X |
| 12 | double open end wrenches 6x7 ÷ 30x32 mm | 55/S12X |
| 8 | offset hexagon key wrenches 2 ÷ 10 mm | 96T/S8 |
| 8 | offset key wrenches, for Torx® head screws ✪ T9 ÷ T40 | 97TX/SC8 |
| 1 | adjustable wrench 250 mm | 111 |
| 13 | 1/2" square drive hexagon sockets with rail ◌ 10 ÷ 22 mm | 920A/SB13 |
| 8 | 1/2" square drive hexagon sockets with rail ◌ 23 ÷ 32 mm | 920A/SB8 |
| 7 | socket drivers for cross head Phillips® screws ◐ ✪ 1,2x65 - 1,2x8 - 1,6x9 - 2x12mm - PH1-PH2-PH3 | 920LH/SB7 |
| 1 | circlip pliers straight, internal ◌ 180 mm | 1032 |
| 1 | circlip pliers bent, internal ◌ 170 mm | 1034 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | tin snips 250 mm | 1112 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 8 | set of screwdrivers 2,5x50 - 3x75 - 4x100 - 5,5x125 - 6,5x150 - PH0 - PH1 - PH2 | 1263/D8 |
| 2 | engineer's hammer 300 - 600 g | 1370 |
| 1 | soft face hammer 35 | 1390 |
| 1 | measuring tape 5 m | 1692/5 |
| 1 | flexible magnetic pick-up tool | 1712E/2 |
| 1 | two cutting edges scraper 200 mm | 1717A |
| 1 | three - cutting edges scraper 200 mm | 1717B |
| 5 | second cut files 200 mm | 1719BMA8/S5 |
| 1 | metal oil can 200 cc | 1751 |
| 1 | snap - off blade utility knife | 1771BM |
| 1 | 1/2" drive extension bar 125 mm | 920/21 |
| 1 | 1/2" drive extension bar 250 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive reversible ratchet Ⓡ | 920/55 |
| 1 | pry bar | 963 |
| 1 | Diagonal cutting nippers ⧓ 160 mm | 1082BM |
| 1 | Heavy-duty diagonal cutting nippers ⧓ 160 mm | 1084BM |
| 1 | toggle lever assisted end cutting nippers ⧓ 180 mm | 1092V |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM |
| 1 | Extra-long needle nose pliers ◐ 160 mm | 1166BM |
| 1 | Extra-long bent needle nose pliers ◐ 160 mm | 1168BM |
| 2 | screwdrivers for slotted head screws ◐ 8x200 - 10x200 mm | 1260 |
| 1 | screwdrivers for cross head Phillips® screws ✪ PH3 8x150mm | 1262 |
| 1 | sliding gauge | 1650 |
| 1 | hacksaw frame, aluminium handle 420 mm | 1725 |

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| 5957U-P | 059571004 |

**Assortment recommended in combination with C57S A - C57S B - C57SP**

# 5958U

Assortment of 85 tools

## ► Universal use

| Quantity/Description | | Beta N. |
|---|---|---|
| **17** | combination wrenches 6÷22 mm | 42 |
| **12** | offset hexagon key wrenches ○ 2÷10 mm | 96N/SC12 |
| **13** | 1/2" square drive hexagon sockets with rail ◎ 10÷22 mm | 920A/SB13 |
| **8** | 1/2" square drive hexagon sockets with rail ◎ 23÷32 mm | 920A/SB8 |
| **1** | 1/2" drive extension bar 125 mm | 920/21 |
| **1** | 1/2" drive extension bar 255 mm | 920/22 |
| **1** | 1/2" drive universal joint | 920/25 |
| **1** | 1/2" drive sliding T-handle | 920/42 |
| **1** | 1/2" drive reversible ratchet Ⓡ | 920/55 |
| **1** | circlip pliers straight, internal ⊙ 180 mm | 1032 |
| **1** | circlip pliers straight, external ● 175 mm | 1036 |
| **1** | Slip joint pliers boxed joints 250 mm | 1048 |
| **1** | self - locking pliers 240 mm | 1052 |
| **1** | Heavy-duty diagonal cutting nippers ◤ 160 mm | 1084BM |
| **1** | electrician's scissors, straight blades | 1128BMX |
| **1** | half-round needle nose pliers 〓 180 mm | 1150BM |
| **1** | Extra-long needle nose pliers ◖ 160 mm | 1166BM |
| **7** | screwdrivers for slotted head screws ◖ 3x75 - 3,5x100 - 4x125 5,5x150 - 6,5x150 - 8x200 - 10x200 mm | 1260 |
| **4** | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH1x80 PH2x100 - PH3x150 mm | 1262/S4 |
| **1** | engineer's hammer 300 g | 1370 |
| **1** | soft face hammer Ø 35 mm | 1390 |
| **1** | measuring tape 5 m | 1692 |
| **5** | Set of 5 second-cut files, with handles 200 mm | 1719BMA...S5 |
| **1** | hacksaw frame, aluminium handle | 1725 |
| **1** | plastic oil can 150 cc | 1754 |
| **1** | snap - off blade utility knife | 1771 |

**5958U** 059581008

**Assortment recommended in combination with C58P - C45 - C55**

## 5990V1

assortment of 44 tools for tool case COMBO C99V1, in EVA foam tray

### ► Universal use

| Quantity | Description | Beta N. |
|---|---|---|
| 9 | ball head offset hexagon key wrenches ○ | 96BPC/SC9 |
| 1 | snap - off blade utility knife 18 mm | 1771 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 6 | set of 2 drift punches, 1 centre punch, 2 flat chisels and 1 cape chisel in roll-up wallet made of polyester | 38/B6N |
| 3 | screwdrivers for slotted head screws ◐ 3,5x100-5,5x125-6,5x150 mm | 1260 |
| 3 | screwdrivers for cross head Phillips® screws ✪ PH0x60-PH1x80-PH2x100 mm | 1262 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 16 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-21-22 mm | 42 |
| 1 | measuring tape 5 mt | 1692/5 |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | diagonal cutting nippers, bi-material handles, industrial finish ⧓ 160 mm | 1082GBM |
| 1 | heavy duty combination pliers, bi-material handles, industrial finish 〓 180 mm | 1150GBM |

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|---|---|
| 5990V1 | 059900001 |

**Assortment recommended in combination with C99V1**

## 5990V3

assortment of 116 tools for tool case COMBO C99V3/2C, in EVA foam tray

### ► Car repairs

| Quantity | Description | Beta N. |
|---|---|---|
| 5 | offset hexagon key wrenches | 96T/S5P |
| 1 | adjustable wrench 250 mm | 111 |
| 1 | 1/4" drive spinner handle | 900BG/30 |
| 1 | mains testing screwdriver ◐ | 1253 |
| 1 | pocket spirit level with magnetic V-shaped base | 1695XS |
| 1 | LED inspection torch, made of sturdy anodized aluminium | 1833XS/2 |
| 31 | bits with magnetic quick release bit holder in plastic case ◐ ○ ✪ ✪ ✪ | 860MIX/A31 |
| 1 | socket holder | 895 |
| 12 | 1/4" hexagon sockets ◎ 4-4,5-5-5,5-6-7-8-9-10-11-12-13 mm | 900 |
| 1 | 1/4" drive extension bar 50 mm | 900/20 |
| 1 | 1/4" drive extension bar 100 mm | 900/20L |
| 1 | 1/4" drive swivel T-handle | 900/42 |
| 1 | 1/4" drive reversible ratchet, 72 tooth mechanism ⓡ | 900/55Z |
| 38 | microscrewdriver with 36 interchangeable 4-mm bits and magnetic extension | 1256/C36-2 |
| 1 | soft face hammer Ø 35mm | 1390 |
| 1 | 1/4" drive universal joint | 900/25 |
| 13 | 1/2" square drive hexagon sockets ◎ 10-11-12-13-14-15-16-17-18-19-20-21-22 mm | 920A |
| 1 | 1/2" drive extension bar 125 mm | 920/21 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 |

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|---|---|
| 5990V3 | 059900003 |

**Assortment recommended in combination with C99V3/2C**

# 5980U/BIKE

assortment of 90 tools

## ► Bicycle repairs

| Quantity | Description | Beta N. |
|---|---|---|
| 5 | combination wrenches 8-9-10-13-14 mm | 42 |
| 9 | ball head offset hexagon key wrenches burnished ○ 1,5-2-2,5-3-4-5-6-8-10 mm | 96BP/SC9 |
| 8 | offset hexagon key wrenches 2-2,5-3-4-5-6-8-10 mm | 96T/S8 |
| 8 | drivers for Torx® head screws, with handles ○ T8-T10-T15-T20-T25-T27-T30-T40 | 97TTX/S8 |
| 1 | adjustable wrenches with scales chrome-plated 200 mm | 111G |
| 1 | pipe cutter for copper and light alloy pipes | 334 |
| 1 | click-type torque wrenches with reversible ratchets 2÷10 Nm | 605E |
| 13 | ○ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | 900/SB13 |
| 1 | 1/4" drive extension bar | 900/21 |
| 1 | 1/4" drive universal joint | 900/25 |
| 1 | 1/4" reversible ratchet Ⓡ | 900/55 |
| 1 | diagonal cutting nippers, slip-proof double layer PVC coated handles, industrial finish ⟨ 160 mm | 1082G |
| 1 | electrician's scissors, straight blades 145 mm | 1128BM |
| 1 | heavy duty combination pliers, slip-proof double layer PVC coated handles, industrial finish 〓 180 mm | 1150G |
| 1 | extra-long needle knurled nose pliers, slip-proof double layer PVC coated handles, industrial finish ◐ 180 mm | 1166G |
| 7 | 3x75-4x125-5,5x150-6,5x150-PH0x60-PH1x80-PH2x100 mm | 1203E/D |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | soft face hammer Ø 35 mm | 1390 |
| 1 | sliding gauge 150 mm | 1650 |
| 1 | measuring tape 3 m | 1692/3 |
| 1 | second-cut flat files 200 mm | 1719BMA...P |
| 1 | second-cut half-round files 200 mm | 1719BMA...M |
| 1 | second-cut round files 200 mm | 1719BMA...R |
| 1 | hacksaw frame, aluminium handle 300 mm | 1725 |
| 1 | snap - off blade utility knife | 1771 |
| 1 | chain wear indicator 120 mm | 3935 |
| 1 | missing link pliers 170 mm | 3937 |
| 7 | set of 7 simple cone wrenches 13-14-15-16-17-18-19 mm | 3952/S7 |
| 1 | pedal wrench 15 mm | 3953 |
| 1 | spoke wrench, black, 3.2 mm □ | 3961 3,2 |
| 1 | spoke wrench, green, 3.3 mm □ | 3961 3,3 |
| 1 | spoke wrench, red, 3.5 mm □ 3 | 3961 3,5 |
| 1 | professional spoke wrench, 3.2 - 4.0 mm □ 3,2 - 4,0 mm | 3961U |
| 1 | sprocket removal wrench with chain whip 289 mm | 3967 |
| 1 | tyre lever 200 mm | 3969 |
| 3 | kit with 3 tyre levers, made of plastic 113 mm | 3969K3 |
| 1 | lever for pushing back disc brake pads 222 mm | 3991 |
| 1 | disc brake straightener 234 mm | 3992 |

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| **5980U/BIKE** | 059801040 |

**Assortment recommended in combination with C16 - CP17 - CP17L - C20L**

M125

M25

M105

M166

M231

M62

M78

# 5988H/7M

assortment of 333 tools in EVA foam trays

## ► Car repairs

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 13 | hexagon hand sockets ⬡ 8-9-10-11-12-13-14-15-16-17-19-21-22 mm | 910AL | M125 |
| 16 | hexagon hand sockets ⬡ 10-12-13-14-15-16-17-18-19-21-22-23-24-27-30-32 mm | 920AL | M125 |
| 7 | 1/2" sockets for Torx® head screws ⬡ E12-E14-E16-E18-E20-E22-E24 | 920FTX | M125 |
| 10 | socket drivers for hexagon screws ○ 5-6-6L-7-8-8L-10-10L-12-12L mm | 920PE | M125 |
| 13 | 1/2" drive, socket drivers for Torx® head screws ✪ T20-T25-T27-T30-T30L-T40-T40L-T45-T50-T50L-T55-T60-T60L | 920TX | M125 |
| 8 | socket drivers with XZN® profile ○ 5-6-6-6L-8-8L-10-10L-12L mm | 920XZN | M125 |
| 18 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-21-22-24-27 mm | 42 | M25 |
| 7 | double ended offset ring wrenches 6x7-8x9-10x11-12x13-14x1516x17-18x19 mm | 90 | M25 |
| 1 | quick release adaptor, 1/4", for 10 mm ratcheting wrenches | 123Q1/4 | M25 |
| 1 | quick release adaptor, 3/8", for 13 mm ratcheting wrenches | 123Q3/8 | M25 |
| 1 | quick release adaptor, 1/2", for 19 mm ratcheting wrenches | 123Q1/2 | M25 |
| 12 | reversible ratcheting combination wrenches 8-9-10-11-12-13-14-15-16-17-18-19 mm | 142 | M25 |
| 9 | ball head offset hexagon key wrenches ○ 1,5-2-2,5-3-4-5-6-8-10 mm | 96BPC/SC9 | M105 |
| 1 | socket holder ⬡1/4-□1/4 | 895/1 | M105 |
| 1 | socket holder ⬡1/4-□3/8 | 895/3 | M105 |
| 1 | socket holder ⬡5/16-□1/2 | 895/6 | M105 |
| 13 | 1/4" hexagon sockets ⬡ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | 900 | M105 |
| 9 | hexagon hand sockets, long series ⬡ 5-6-7-8-9-10-11-12-13 mm | 900L | M105 |
| 4 | socket drivers for slotted head screws ◐ 0,8x4-1x5,5-1,2x6,51,2x8 mm | 900LP | M105 |
| 5 | 1/4" socket drivers for hexagon screws ○ 3-4-5-6-7 mm | 900ME | M105 |
| 4 | socket drivers for cross head Phillips® screws ✪ PH1-PH2-PH3-PH4 | 900PH | M105 |
| 7 | socket drivers for Torx® head screws ✪ T10-T15-T20-T25-T27-T30-T40 | 900TX | M105 |
| 1 | adaptor, 1/4" female and 3/8" male drives □1/4-■3/8 | 900/16 | M105 |
| 3 | 1/4" drive extension bar 50-100-150 mm | 900/... | M105 |
| 1 | 1/4" drive universal joint | 900/25 | M105 |
| 1 | 1/4" drive swivel T-handle | 900/42 | M105 |
| 1 | 1/4" reversible ratchet Ⓡ | 900/55 | M105 |
| 1 | 1/4" drive spinner handle | 900BG/30 | M105 |
| 17 | hexagon hand sockets 3/8" ⬡ 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm | 910A | M105 |
| 1 | adaptor, 3/8" female and 1/4" male drivers □3/8-■1/4 | 910/15 | M105 |
| 1 | adaptor, 1/2" female and 3/8" male drives □3/8-■1/2 | 910/16 | M105 |
| 1 | extension bar - 3/8" 125 mm | 910/21 | M105 |
| 1 | extension bar - 3/8" 250 mm | 910/22 | M105 |
| 1 | 3/8" drive universal joint | 910/25 | M105 |
| 1 | 3/8" drive sliding T - handle | 910/42 | M105 |
| 1 | 3/8" drive reversible ratchet Ⓡ | 910/55 | M105 |
| 21 | 1/2" square drive hexagon sockets ⬡ 8-1011-12-13-4-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 mm | 920A | M105 |
| 2 | 1/2" wobble extension bar 125-250 mm | 920AN | M105 |
| 1 | adaptor, 1/2" female and 3/8" male drives □1/2-■3/8 | 920/15 | M105 |
| 1 | 1/2" drive universal joint | 920/25 | M105 |
| 1 | 1/2" drive sliding T-handle | 920/42 | M105 |
| 1 | 1/2" drive reversible ratchet Ⓡ | 920/55 | M105 |
| 3 | 3/8" square drive spark plug sockets ⬡ 16-17,8-20,8 mm | 956E | M105 |
| 31 | bits with magnetic quick release bit holder in plastic case ◐ ○ ✪ ✪ ⊛ | 860MIX/A31 | M166 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | M166 |
| 1 | Diagonal cutting nippers ⟨ 160 mm | 1082BM | M166 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM | M166 |
| 1 | Extra-long flat knurled nose pliers 〓 160 mm | 1162BM | M166 |
| 5 | screwdrivers for cross head Phillips® screws ◐ 3x75-4x100-5,5x100-6,5x150-8x150 mm | 1290 | M166 |
| 1 | screwdriver for slotted head screws, extra-short series ◐ 6,5x30 mm | 1290N | M166 |
| 3 | screwdrivers for cross head Phillips® screws ✪ PH1-PH2-PH3 | 1292 | M166 |
| 1 | screwdriver for cross head Phillips® screws, extra-short series ✪ PH2 | 1292N | M166 |
| 4 | drivers for Torx® head screws, with handles ✪ T20-T25-T27-T30 | 1297TX | M166 |
| 6 | pin punches 2-3-4-5-6-8 mm | 31 | M231 |
| 1 | centre punch 4 mm | 32 | M231 |
| 3 | flat chisels 125-150-75 mm | 34 | M231 |
| 1 | cape chisels, standard type 125 mm | 36 | M231 |
| 2 | engineer's hammer 500-1000 g | 1370 | M231 |
| 1 | telescopic magnet with flexible head | 1712TF | M231 |
| 1 | soft face hammer Ø 35 mm | 1390 | M231 |
| 1 | measuring tape 5 m | 1692 | M125 |
| 1 | circlip pliers straight, internal ⊙ 180 mm | 1032 | M62 |
| 1 | circlip pliers bent, internal ⊙ 170 mm | 1034 | M62 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 | M62 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 | M62 |
| 1 | smooth half - round long needle nose pliers ◐ 140 mm | 1177BM | M62 |
| 1 | diagonal cutting nippers ⟨ 125 mm | 1188BM | M62 |
| 4 | micro-screwdrivers for slotted head screws ◐ 2,0-2,5-3,0-3,5 mm | 1257LP | M62 |
| 2 | micro-screwdrivers for cross-head Phillips® screws ✪ 0-00 | 1257PH | M62 |
| 9 | drivers for Torx® head screws, with handles ✪ T10-T15-T20-T25-T27-T30-T40-T45-T50 | 97TTX | M62 |
| 1 | self - locking pliers 240 mm | 1052 | M78 |
| 1 | adjustable self locking pliers, long jaws 175 mm | 1058 | M78 |
| 1 | plastic hose pliers | 1481PL/A | M78 |
| 1 | plastic hose pliers | 1481PL/B | M78 |
| 1 | plastic hose pliers | 1481PL/C | M78 |
| 1 | sliding gauge | 1650 | M78 |
| 1 | metric feeler gauge | 1708/20 | M78 |
| 1 | packing scraper | 1716P | M78 |
| 7 | double swivel end socket wrenches 6x7-8x9-10x11-12x13-14x15-16x17-18x19 mm | 80 | M78 |
| 1 | 1/2" drive swivel handle | 920/36A | M78 |
| 1 | pry bar with handle 450 mm | 965 | M78 |
| 1 | telescopic joint inspection mirror 670 mm | 1715 | M231 |
| 1 | second cut files 200 mm | 1719BMA8/M | M231 |
| 1 | second cut files 200 mm | 1719BMA8/P | M231 |
| 1 | second cut files 200 mm | 1719BMA8/Q | M231 |
| 1 | second cut files 200 mm | 1719BMA8/R | M231 |
| 1 | second cut files 200 mm | 1719BMA8/T | M231 |
| 1 | Steel wire brush | 1737NX | M231 |

**5988H/7M** 059881087

**Assortment recommended in combination with RSC24/8 - RSC24A/8 - RSC24AXL - C37/8 - C39/8 -RSC28 - C59B**

M105

M125

M25

M166

# 5988L/4M

assortment of 273 tools in EVA foam trays

## ► Car repairs

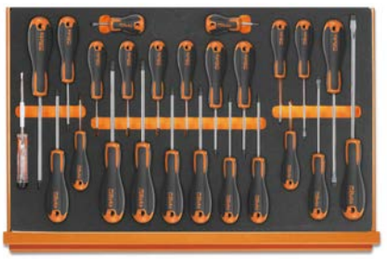
| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 13 | 1/4" hexagon sockets ○ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | 900 | M105 |
| 9 | hexagon hand sockets, long series ○ 5-6-7-8-9-10-11-12-13 mm | 900L | M105 |
| 9 | ball head offset hexagon key wrenches ○ 1,5-2-2,5-3-4-5-6-8-10 mm | 96BPC/SC9 | M105 |
| 1 | socket holder | 895/1 | M105 |
| 1 | socket holder | 895/3 | M105 |
| 1 | socket holder | 895/6 | M105 |
| 5 | 1/4" socket drivers for hexagon screws ○ 3-4-5-6-7 mm | 900ME | M105 |
| 4 | socket drivers for slotted head screws ◐ 0,8x4-1x5,5-1,2x6,5-,2x8 mm | 900LP | M105 |
| 4 | socket drivers for cross head Phillips® screws ✪ PH1-PH2-PH3-PH4 | 900PH | M105 |
| 7 | socket drivers for Torx® head screws ✪ T10-T15-T20-T25-T27-T30-T40 | 900TX | M105 |
| 1 | adaptor, 1/4" female and 3/8" male drives □ 1/4 - ■ 3/8 | 900/16 | M105 |
| 3 | 1/4" drive extension bar 50-100-150 mm | 900/... | M105 |
| 1 | 1/4" drive universal joint | 900/25 | M105 |
| 1 | 1/4" drive spinner handle | 900BG/30 | M105 |
| 1 | 1/4" drive swivel T-handle | 900/42 | M105 |
| 1 | 1/4" reversible ratchet | 900/55 | M105 |
| 17 | hexagon hand sockets 3/8" ○ 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm | 910A | M105 |
| 1 | adaptor, 3/8" female and 1/4" male drivers □ 3/8 - ■ 1/4 | 910/15 | M105 |
| 1 | adaptor, 1/2" female and 3/8" male drives □ 3/8 - ■ 1/2 | 910/16 | M105 |
| 1 | extension bar - 3/8" 125 mm | 910/21 | M105 |
| 1 | extension bar - 3/8" 250 mm | 910/22 | M105 |
| 1 | 3/8" drive universal joint | 910/25 | M105 |
| 1 | 3/8" drive sliding T - handle | 910/42 | M105 |
| 1 | 3/8" drive reversible ratchet | 910/55 | M105 |
| 17 | 1/2" square drive hexagon sockets ○ 8-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 mm | 920A | M105 |
| 1 | adaptor, 1/2" female and 3/8" male drives □ 1/2 - ■ 3/8 | 920/15 | M105 |
| 1 | 3/8" drive universal joint | 910/25 | M105 |
| 2 | 1/2" wobble extension bar 125 - 250 mm | 920AN | M105 |
| 1 | 1/2" drive sliding T-handle | 920/42 | M105 |
| 1 | 1/2" drive reversible ratchet | 920/55 | M105 |
| 3 | 3/8" square drive spark plug sockets ○ 16-17,8-20,8 mm | 956E | M105 |
| 13 | hexagon hand sockets ○ 8-9-10-11-12-13-14-15-16-17-19-21-22 mm | 910AL | M125 |
| 10 | socket drivers for hexagon screws ○ 5-6-6L-7-8-8L-10-10L-12-12L mm | 920PE | M125 |
| 7 | 1/2" sockets for Torx® head screws ○ E12-E14-E16-E18-E20-E22-E24 | 920FTX | M125 |
| 13 | 1/2" drive, socket drivers for Torx® head screws ✪ T20-T25-T27-T30-T30L-T40-T40L-T45-T50-T50L-T55-T60-T60L | 920TX | M125 |
| 8 | socket drivers with XZN® profile ○ 5-6-6L-8-8L-10-10L-12L mm | 920XZN | M125 |
| 16 | hexagon hand sockets ○ 10-12-13-14-15-16-17-18-19-21-22-23-24-27-30-32 mm | 920AL | M125 |
| 1 | measuring tape 5 m | 1692/5 | M125 |
| 18 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-21-22-24-27 mm | 42 | M25 |
| 7 | double ended offset ring wrenches 6x7-8x9-10x11-12x13-14x15-16x17-18x19 mm | 90 | M25 |
| 1 | quick release adaptor, 1/4", for 10 mm ratcheting wrenches | 123Q1/4 | M25 |
| 1 | quick release adaptor, 3/8", for 13 mm ratcheting wrenches | 123Q3/8 | M25 |
| 1 | quick release adaptor, 1/2", for 19 mm ratcheting wrenches | 123Q1/2 | M25 |
| 12 | reversible ratcheting combination wrenches 8-9-10-11-12-13-14-15-16-17-18-19 mm | 142 | M25 |
| 31 | bits with magnetic quick release bit holder in plastic case ◐ ○ ✪ ✪ ✪ | 860MIX/A31 | M166 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | M166 |
| 1 | Diagonal cutting nippers 160 mm | 1082BM | M166 |
| 1 | half-round needle nose pliers 180 mm | 1150BM | M166 |
| 1 | Extra-long flat knurled nose pliers 160 mm | 1162BM | M166 |
| 5 | screwdrivers for cross head Phillips® screws ◐ 3x75-4x100-5,5x100-6,5x150-8x150 mm | 1290 | M166 |
| 1 | screwdriver for slotted head screws, extra-short series ◐ 6,5x30 mm | 1290N | M166 |
| 3 | screwdrivers for cross head Phillips® screws ✪ 4,5x80-6x100-8x150 mm | 1292 | M166 |
| 1 | screwdriver for cross head Phillips® screws, extra-short series ✪ 6x30 mm | 1292N | M166 |
| 4 | drivers for Torx® head screws, with handles ✪ T20-T25-T27-T30 | 1297TX | M166 |

**5988L/4M** 059881088

**Assortment recommended in combination with items RSC24 - RSC24A - RSC24AXL - RSC24L - RSC24L-CAB - C37 - C39 - C39T - C39SM - C39MD - RSC55 - C59**

M01

M30



M213

M230

M129

M100

# 5988U6/M

assortment of 214 tools in EVA foam trays

## ► Universal use

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 22 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32-36 mm | 42 | M01 |
| 11 | double open end wrenches 6x7-8x9-10x11-12x13-14x15-16x17 18x19-20x22-21x23-24x27-30x32 mm | 55 | M30 |
| 11 | double ended offset ring wrenches 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x27-30x32 mm | 90 | M30 |
| 9 | ball head offset hexagon key wrenches ○ 1,5-2-2,5-3-4-5-6-8-10 mm | 96BPC/SC9 | M30 |
| 6 | screwdriver for slotted head screws ◐ 2,5x50-3x75-4x100-5,5x125-6,5x150-8x200 mm | 1201E | M213 |
| 1 | screwdriver for slotted head screws, extra-short series ◐ 4x30 mm | 1201EN | M213 |
| 4 | screwdriver for cross head Phillips® screws ✪ PH0x60-PH1x80-PH2x100-PH3x150 mm | 1202E | M213 |
| 1 | screwdriver for cross head Phillips® screws, extra-short series ✪ PH1x30 mm | 1202EN | M213 |
| 12 | screwdrivers for Torx® head screws, with handles ✪ T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40-T45 | 1207E/TX | M213 |
| 1 | mains testing screwdriver ◐ | 1253 | M213 |
| 3 | drift punches Ø 2-3-4 mm | 30 | M230 |
| 6 | pin punches Ø 2-3-4-5-6-8 mm | 31 | M230 |
| 1 | centre punch Ø 4 mm | 32 | M230 |
| 1 | flat chisels 150 mm | 34 | M230 |
| 2 | flat chisels, ribbed type 200-250 mm | 35 | M230 |
| 1 | cape chisels, standard type 125 mm | 36 | M230 |
| 1 | engineer's hammer 500 g | 1370 | M230 |
| 1 | soft face hammer Ø 35 mm | 1390 | M230 |
| 1 | measuring tape 3 m | 1692 | M230 |
| 1 | telescopic magnet with flexible head | 1712TF | M230 |
| 1 | second-cut square files 200 mm | 1719BMA...Q | M230 |
| 1 | second-cut triangular files 200 mm | 1719BMA...T | M230 |
| 1 | second-cut flat files 200 mm | 1719BMA...P | M230 |
| 1 | second-cut half-round files 200 mm | 1719BMA...M | M230 |
| 1 | second-cut round files 200 mm | 1719BMA...R | M230 |
| 1 | Steel wire brush | 1737NX | M230 |
| 1 | snap - off blade utility knife 18 mm | 1771 | M230 |
| 1 | circlip pliers straight, internal ○ 180 mm | 1032 | M129 |
| 1 | circlip pliers bent, internal ○ 170 mm | 1034 | M129 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 | M129 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 | M129 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | M129 |
| 1 | self - locking pliers 240 mm | 1052 | M129 |
| 1 | Diagonal cutting nippers ⧓ 160 mm | 1082BM | M129 |
| 1 | construction worker's pincers 220 mm | 1098 | M129 |
| 1 | tin snips 250 mm | 1112 | M129 |
| 1 | electrician's scissors, straight blades | 1128BM | M129 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM | M129 |
| 1 | Extra-long needle nose pliers ◐ 160 mm | 1166BM | M129 |
| 1 | Extra-long bent needle nose pliers ◐ 160 mm | 1168BM | M129 |
| 1 | socket holder | 895/1 | M100 |
| 1 | socket holder | 895/3 | M100 |
| 1 | socket holder | 895/6 | M100 |
| 13 | 1/4" hexagon sockets ◎ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | 900 | M100 |
| 9 | hexagon hand sockets, long series ◎ 5-6-7-8-9-10-11-12-13 mm | 900L | M100 |
| 5 | 1/4" socket drivers for hexagon screws ○ 3-4-5-6-7 mm | 900ME | M100 |
| 4 | socket drivers for slotted head screws ◐ 0,8x4-1x5,5-1,2x6,5-1,2x8 mm | 900LP | M100 |
| 4 | socket drivers for cross head Phillips® screws ✪ PH1-PH2-PH3-PH4 | 900PH | M100 |
| 7 | socket drivers for Torx® head screws ✪ T10-T15-T20-T25-T27-T30-T40 | 900TX | M100 |
| 1 | 1/4" drive extension bar 50 mm | 900/20 | M100 |
| 1 | 1/4" drive extension bar 100 mm | 900/20L | M100 |
| 1 | 1/4" drive extension bar 150 mm | 900/21 | M100 |
| 1 | 1/4" drive universal joint | 900/25 | M100 |
| 1 | 1/4" drive spinner handle | 900BG/30 | M100 |
| 1 | 1/4" drive swivel T-handle | 900/42 | M100 |
| 1 | 1/4" reversible ratchet ⓡ | 900/55 | M100 |
| 21 | 1/2" square drive hexagon sockets ◎ 8-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 mm | 920A | M100 |
| 1 | adaptor, 1/2" female and 3/8" male drives 125 mm | 920/15 | M100 |
| 1 | 1/2" drive universal joint 250 mm | 920/25 | M100 |
| 1 | 1/2" wobble extension bar | 920AN/125 | M100 |
| 1 | 1/2" wobble extension bar | 920AN/250 | M100 |
| 1 | 1/2" drive sliding T-handle | 920/42 | M100 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 | M100 |
| 8 | 1/2" sockets for Torx® head screws ◎ 10-12-14-16-18-20-22-24 mm | 920FTX | M100 |
| 11 | hexagon hand sockets ◎ 10-12-13-14-15-16-17-18-19-21-22 mm | 920AL | M100 |

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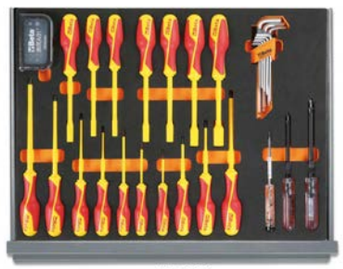
|---|---|
| 5988U6/M | 059881430 |

**Assortment recommended in combination with RSC24 with 8 drawers - RSC24/A with 8 drawers - C37 with 8 drawers - C39 with 8 drawers RSC24AXL - RSC28 - C39SM - C39MO - C59B - C55**

MB65

MB64



MB63

# 5935ET/1MB

assortment of 96 tools for tool chest C35, in EVA foam trays

## ► Electrotechnical maintenance

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 1 | self - locking pliers 240 mm | 1052 | MB65 |
| 1 | engineer's hammer 500 g | 1370 | MB65 |
| 1 | soft face hammer Ø 35 mm | 1390 | MB65 |
| 1 | second-cut square files 200 mm | 1719BMA...Q | MB65 |
| 1 | second-cut flat files 200 mm | 1719BMA...P | MB65 |
| 1 | second-cut triangular files 200 mm | 1719BMA...T | MB65 |
| 1 | second-cut half-round files 200 mm | 1719BMA...M | MB65 |
| 1 | second-cut round files 200 mm | 1719BMA...R | MB65 |
| 1 | flat chisels, ribbed type 200 mm | 35 | MB65 |
| 1 | circlip pliers straight, internal ⊙ 180 mm | 1032 | MB65 |
| 1 | circlip pliers bent, internal ⊙ 170 mm | 1034 | MB65 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 | MB65 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 | MB65 |
| 1 | Heavy-duty diagonal cutting nippers 160 mm | 1084BM | MB65 |
| 1 | half-round needle nose pliers 180 mm | 1150BM | MB65 |
| 1 | Extra-long needle nose pliers ◐ 160 mm | 1166BM | MB65 |
| 9 | ball head offset hexagon key wrenches ○ | 96BPC/SC9 | MB63 |
| 1 | screwholding screwdriver for slotted head screws ◐ | 1250 | MB63 |
| 1 | screwholding screwdriver for cross head Phillips® screws ✪ | 1251 | MB63 |
| 1 | mains testing screwdriver ◐ | 1253 | MB63 |
| 6 | hexagon nut spinners with handles ◌ 5,5-6-7-8-10-13 mm | 943MQ | MB63 |
| 4 | screwdrivers for cross head Phillips® screws, 1000V ✪ PH0x60-PH1x80-PH2x100-PH3x150 mm | 1272MQ | MB63 |
| 6 | screwdrivers for headless slotted screws, 1000V ◐ 2,5x75-3x100-4x100-5,5x125-6x150-8x175 mm | 1274MQ | MB63 |
| 31 | bits with magnetic quick release bit holder in plastic case ◐ ○ ✪ ✪ ⊛ | 860MIX/A31 | MB63 |
| 1 | magnetic bit holder, insulated ⑯ | 850MQ | MB63 |
| 8 | double open end wrenches 6x7-8x9-10x11-12x13-14x15 16x17-18x19-20x22 mm | 55 | MB64 |
| 1 | slip joint pliers, boxed joint 250 mm | 1048MQ | MB64 |
| 1 | diagonal cutting nippers 1000V 140 mm | 1082MQ | MB64 |
| 1 | electrician's scissors, straight blades, with countersink | 1128BSX | MB64 |
| 1 | cable cutter 230 mm | 1132MQ | MB64 |
| 1 | wire stripping pliers 160 mm | 1142MQ | MB64 |
| 1 | combination pliers 1000V 180 mm | 1150MQ | MB64 |
| 1 | extra long needle nose pliers, 1000V, ◐ 160 mm | 1166MQ | MB64 |
| 1 | extra long bent needle nose pliers ◐ 160 mm | 1168MQ | MB64 |
| 1 | adjustable wrench, 1000V 250 mm | 110MQ | MB64 |
| 1 | utility knife, 1000V | 1777MQ | MB64 |
| 1 | bent knurled point spring tweezers, 1000V | 993MQ | MB64 |
| 1 | crimping pliers for insulated terminals | 1602 | MB64 |

**5935ET/1MB** 059351332

**Assortment recommended in combination with C35**

# 5980ET/A

assortment of 70 tools

## ► Electrotechnical maintenance

| Quantity | Description | Beta N. |
|---|---|---|
| 1 | centre punch Ø 4 m | 32 |
| 1 | flat chisels, ribbed type 150 mm | 35 |
| 8 | 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm | 55/B8N |
| 8 | offset hexagon key wrenches, long series ○ 2÷10 mm | 96LC/SC8 |
| 1 | adjustable wrench 200 mm | 111 |
| 1 | magnetic bit holder, insulated (1000V) | 850MQ |
| 10 | bits with magnetic bit holder in plastic case ◐ ✪ ✪ | 860MIX/A10 |
| 1 | slip joint pliers, boxed joint 250 mm | 1048MQ |
| 1 | Diagonal cutting nippers ⁚ 160 mm | 1082BM |
| 1 | electrician's scissors, straight blades, with countersink | 1128BSX |
| 1 | cable cutter 170 mm | 1132BM |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM |
| 1 | Extra-long needle nose pliers ◐ 160 mm | 1166BM |
| 1 | Extra-long bent needle nose pliers ◐ 160 mm | 1168BM |
| 1 | screwholding screwdriver for slotted head screws ◐ 4x125 mm | 1250 |
| 1 | screwholding screwdriver for cross head Phillips® screws ✪ PH1x150 mm | 1251 |
| 1 | mains testing screwdriver ◐ | 1253 |
| 5 | screwdriver for slotted head screws ◐ 2,5x75 - 3,5x100 - 5,5x125 - 6,5x150 mm | 1201E |
| 1 | screwdriver for slotted head screws, extra-short series ◐ 4x30 mm | 1201EN |
| 4 | screwdriver for cross head Phillips® screws ✪ PH0x60 - PH1x120 - PH2x150 - PH3x150 mm | 1202E |
| 1 | screwdriver for cross head Phillips® screws, extra-short series ✪ PH2x30 mm | 1202EN |
| 4 | screwdrivers for cross head Phillips® screws, 1000V ✪ PH0x60 - PH1x80 - PH2x100 - PH3x150 mm | 1272MQ |
| 5 | screwdrivers for headless slotted screws, 1000V ◐ 5,5x125 - 3x100 - 4x100 - 6,5x150 - 8x175 mm | 1274MQ |
| 1 | flat chisel with side cutter | 1343 |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | soft face hammer Ø 35 mm | 1390 |
| 1 | crimping pliers for insulated terminals | 1602 |
| 1 | PVC electrical tape 25 m | BMESB1925NE |
| 1 | measuring tape 5 m | 1692 |
| 1 | second-cut half-round files 200 mm | 1719BMA...M |
| 1 | second-cut round files 200 mm | 1719BMA...R |
| 1 | hacksaw frame, aluminium handle | 1725 |
| 1 | fold - away knife | 1777BM |

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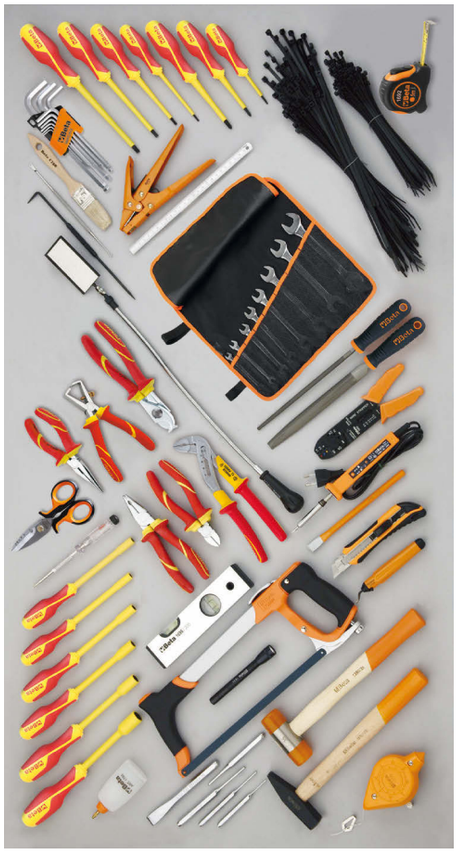
| **5980ET/A** | 059801083 |

**Assortment recommended in combination with C12 - 2028VV - 2032TV - 2032VV**



## 5980ET/B

assortment of 64 tools

### ► Electrotechnical maintenance

| Quantity | Description | Beta N. |
|---|---|---|
| 3 | pin punches Ø 2 - 3 - 4 mm | 31 |
| 1 | centre punch Ø 4 mm | 32 |
| 1 | flat chisels 150 mm | 34 |
| 8 | 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm | 55/B8N |
| 9 | ball head offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96BPC/SC9 |
| 1 | deburrer 150 mm | 345SB |
| 6 | hexagon nut spinners with handles 1000V ◌ 5,5 - 6 - 7 - 8 - 10 - 13 mm | 943MQ/S6 |
| 1 | slip joint pliers, boxed joint 250 mm | 1048MQ |
| 1 | diagonal cutting nippers 1000V ⧓ 160 mm | 1082MQ |
| 1 | electrician's scissors, straight blades, with countersink | 1128BSX |
| 1 | cable cutter 230 mm | 1132MQ |
| 1 | wire stripping pliers ⧓ 160 mm | 1142MQ |
| 1 | combination pliers 1000V 〓 180 mm | 1150MQ |
| 1 | extra long needle nose pliers, 1000V, ◖ 160 mm | 1166MQ |
| 1 | mains testing screwdriver ◖ | 1253 |
| 3 | screwdrivers for cross head Phillips® screws, 1000V ✪ PH0x60 - PH1x80 - PH2x100 mm | 1272MQ |
| 4 | screwdrivers for headless slotted screws, 1000V ◖ 3x100 - 4x100 - 5,5x125 - 6,5x150 mm | 1274MQ |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | soft face hammer Ø 35 mm | 1390 |
| 1 | crimping pliers for insulated terminals | 1602 |
| 1 | flexible graduated rule 250 mm | 1682 |
| 1 | engineer's scriber 250 mm | 1688 |
| 1 | measuring tape 5 m | 1692 |
| 1 | spirit level, made of aluminium 200 mm | 1696 |
| 1 | electrician's chisel 10x200 mm | 1701NE3 |
| 1 | chalk line reel | 1705 |
| 1 | square flexible inspection mirror 600 mm | 1715FL/A |
| 1 | second cut files 200 mm | 1719BMA8/M |
| 1 | second cut files 200 mm | 1719BMA8/R |
| 1 | spring puller | 1723 |
| 1 | hacksaw frame, aluminium handle | 1726BM |
| 1 | bristle brush | 1738 |
| 1 | fitting tool for nylon ties | 1743 |
| 1 | plastic oil bottle 80 cc | 1755 |
| 100 | nylon cable ties, black UV resistant 3,6x200 mm | 1748N |
| 100 | nylon cable ties, black UV resistant 4,8x300 mm | 1748N |
| 1 | snap - off blade utility knife | 1771BM |
| 1 | soldering iron 30 W | 1814M |
| 1 | LED inspection torch, made of sturdy anodized aluminium | 1833XS/2 |

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|---|---|
| **5980ET/B** | 059801084 |

**Assortment recommended in combination with C12 - 2029/VV - 2033P/VV - 2036TV**

## 5980MQ

assortment of 46 tools

### ► Electrotechnical maintenance

| Quantity | Description | Beta N. |
|---|---|---|
| 7 | single open end wrenches, 1000V 10 - 12 - 13 - 14 - 17 - 19 - 22 mm | 52MQ |
| 1 | adjustable wrench, 1000V 250 mm | 110MQ |
| 6 | hexagon nut spinners with handles ◌ 5,5 - 6 - 7 - 8 - 10 - 13 mm | 943MQ |
| 4 | T-handle wrenches with hexagon male ends ○ 4 - 5 - 6 - 8 mm | 951MQ |
| 1 | bent knurled point spring tweezers, 1000V | 993MQ |
| 1 | slip joint pliers, boxed joint 250 mm | 1048MQ |
| 1 | diagonal cutting nippers 1000V ⧓ 160 mm | 1082MQ |
| 1 | electrician's scissors | 1128MQ |
| 1 | wire stripping pliers ⧓ 160 mm | 1142MQ |
| 1 | combination pliers 1000V 〓 180 mm | 1150MQ |
| 1 | extra-long bent flat nose pliers 〓 160 mm | 1164MQ |
| 1 | extra long needle nose pliers, 1000V, ◖ 160 mm | 1166MQ |
| 1 | mains testing screwdriver ◖ | 1253 |
| 4 | screwdrivers for cross head Phillips® screws, 1000V ✪ PH0x60 - PH1x80 - PH2x100 - PH3x150 mm | 1272MQ |
| 5 | screwdrivers for headless slotted screws, 1000V ◖ 3x100 - 4x100 - 5,5x125 - 6,5x150 - 8x175 mm | 1274MQ |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | soft face hammer Ø 35 mm | 1390 |
| 1 | measuring tape 5 m | 1692 |
| 1 | 200 mm | 1701NE/3 |
| 1 | mini - hacksaw frame, 1000V | 1725MQ |
| 2 | utility knife, 1000V | 1777MQ |
| 1 | soldering iron 30 W | 1814M |
| 1 | high-brightness LED torch, made of sturdy anodized aluminium, up to 500 lumens | 1833S |
| 1 | combination voltage and continuity tester | 1847P |

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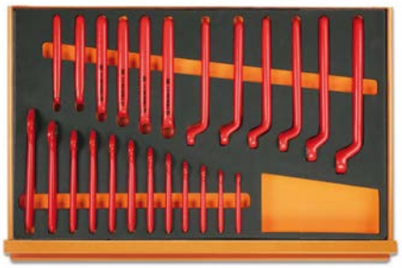
|---|---|
| **5980MQ** | 059801257 |

**Assortment recommended in combination with 2029/VV**



M49

M108

M161

## 5988 VHB-MQ

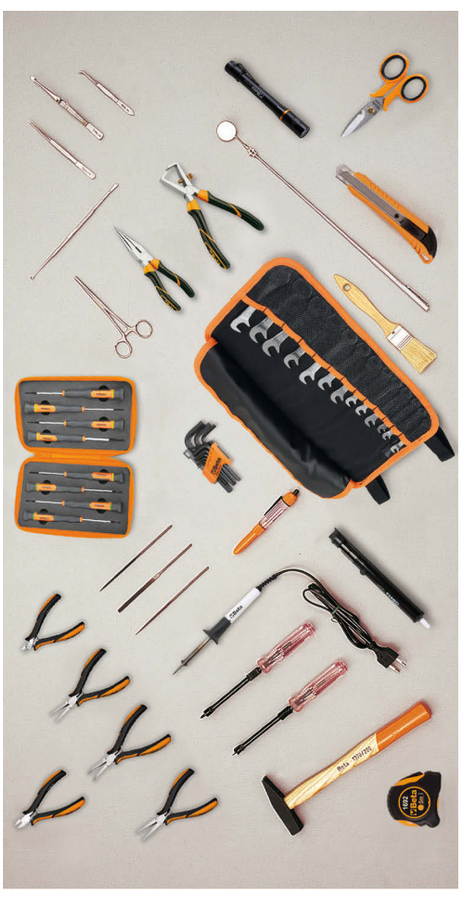
assortment of 66 tools in EVA foam trays

### ► Electrotechnical maintenance

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 12 | single open end wrenches, 1000V 7-8-10-11-12-13-14-15-16-17-19-22 mm | 52MQ | M49 |
| 12 | single ring wrenches 7-8-10-11-12-13-14-15-16-17-19-22 mm | 89MQ | M49 |
| 4 | socket drivers for hexagon screws ○ 4-5-6-8 mm | 910MQ/PE | M108 |
| 11 | bi-hex sockets ○ 7-8-10-11-12-13-14-15-16-17-19 mm | 910MQ/B | M108 |
| 6 | socket drivers for Torx® head screws ○ T15-T20-T25-T27-T30-T40 | 910MQ/TX | M108 |
| 2 | socket drivers with XZN® profile ○ 8-10 mm | 910MQ/XZN | M108 |
| 1 | 3/8" drive extension 125 mm | 910MQ/21 | M108 |
| 1 | 3/8" drive extension 250 mm | 910MQ/22 | M108 |
| 1 | 3/8" drive, T-handle | 910MQ/T | M108 |
| 1 | 3/8" drive reversible ratchet | 910MQ/55 | M108 |
| 1 | electrician's scissors | 1128MQ | M161 |
| 1 | slip joint pliers, boxed joint 250 mm | 1048MQ | M161 |
| 1 | diagonal cutting nippers 1000V 160 mm | 1082MQ | M161 |
| 1 | combination pliers 1000V 180 mm | 1150MQ | M161 |
| 1 | extra long flat nose pliers 160 mm | 1162MQ | M161 |
| 1 | extra-long bent flat nose pliers 160 mm | 1164MQ | M161 |
| 4 | screwdrivers for cross head Phillips® screws, 1000V PH0x60 - PH1x80 - PH2x100 - PH3x150 mm | 1272MQ | M161 |
| 4 | screwdrivers for headless slotted screws, 1000V 2,5x75 - 3x100 - 4x100 - 5,5x125 mm | 1274MQ | M161 |
| 1 | cable stripping knife, insulated | 1777MQ/U | M161 |

**5988 VHB-MQ** 059880300

**Assortment recommended in combination with items RSC23T - RSC24 - RSC24A - RSC24AXL - RSC24L - RSC24L-CAB RSC28 - C37 - C39 - C39SM - C39MD - C39T - RSC55 - C59**



## 5980EL/A

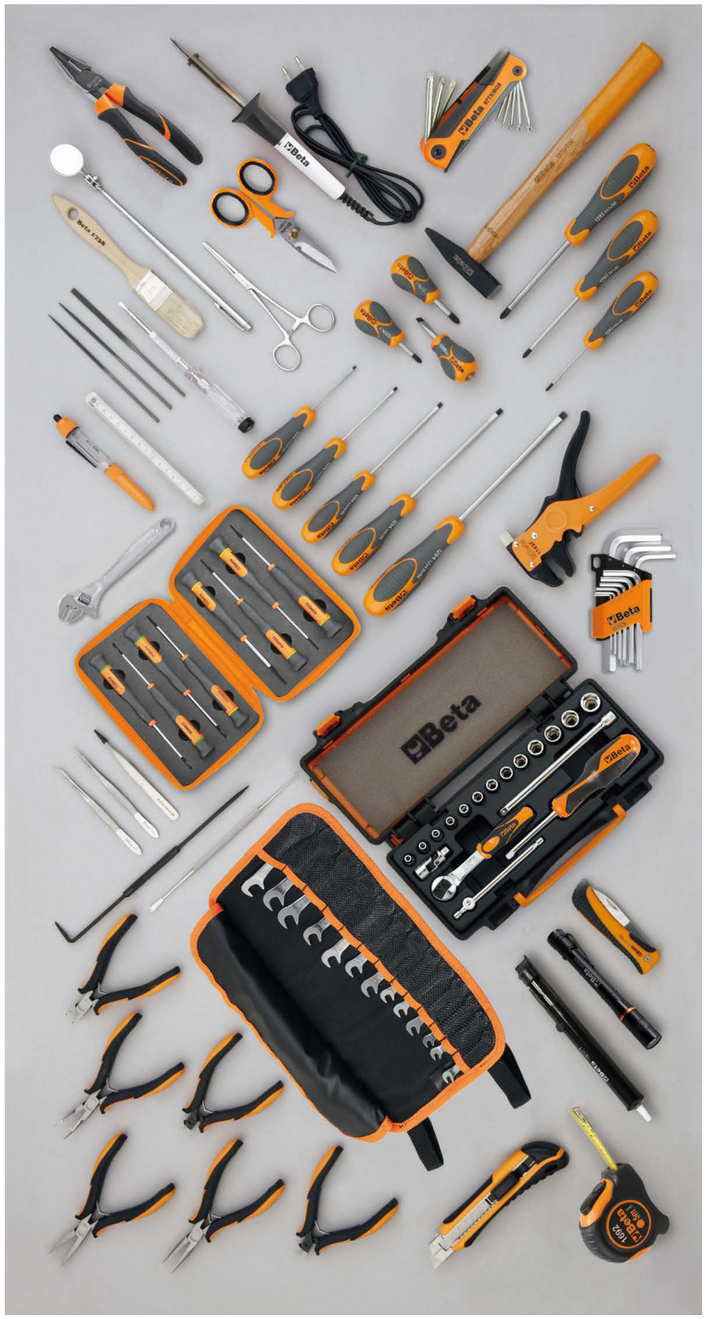
assortment of 57 tools

### ► Electronics

| Quantity | Description | Beta N. |
|---|---|---|
| 13 | 4÷14 mm | 73/B13N |
| 9 | offset hexagon key wrenches ○ 1,5÷10 mm | 96N/SC9 |
| 1 | bent point tweezers 130 mm | 991 |
| 1 | straight thin knurled point pin spring tweezers 150 mm | 992 |
| 1 | cross tweezers 155 mm | 998 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | wire stripping pliers 160 mm | 1142BM |
| 1 | Extra-long needle nose pliers 160 mm | 1166BM |
| 1 | flat nose pliers | 1172BM |
| 1 | smooth half - round long bent needle nose pliers | 1178BM/P |
| 1 | combination pliers | 1178BM |
| 1 | diagonal flush cutting nippers | 1185BM |
| 1 | diagonal cutting nippers | 1188BM |
| 1 | screwholding screwdriver for slotted head screws 4x125 mm | 1250 |
| 1 | screwholding screwdriver for cross head Phillips® screws PH0x125 mm | 1251 |
| 8 | micro-screwdrivers | 1257LPH/S8 |
| 1 | engineer's hammer 200 g | 1370 |
| 1 | measuring tape 5 m | 1692 |
| 1 | telescopic joint inspection mirror | 1715 |
| 3 | needle files | 1720/S3 |
| 1 | spring puller | 1723 |
| 1 | bristle brush | 1738 |
| 1 | pen oiler | 1756 |
| 1 | snap - off blade utility knife | 1771 |
| 1 | self-locking round end knurled tool made of stainless steel | 1002 |
| 1 | soldering iron 25 W | 1814M |
| 1 | de - soldering pump | 1830T |
| 1 | LED inspection torch, made of sturdy anodized aluminium | 1833XS/2 |

**5980EL/A** 059801081

**Assortment recommended in combination with 2032TV - 2028/VV - 2033P/VV**



# 5980EL/B

assortment of 98 tools

## ► Electronics

| Quantity/Description | | Beta N. |
|---|---|---|
| 13 | 4÷14 mm | 73/B13N |
| 9 | offset hexagon key wrenches ○ 1,5÷10 mm | 96/SC9 |
| 8 | offset key wrenches for Torx® head screws ✪ T9 - T10 - T15 - T20 - T25 - T27 - T30 - T40 | 97TX/BG8 |
| 1 | adjustable wrench 150 mm | 111 |
| 18 | set of 13 hexagon sockets and 5 accessories, 1/4" square drive | 900/C13-5 |
| 1 | straight thin knurled point spring tweezers 130 mm | 990 |
| 1 | bent point tweezers 130 mm | 991 |
| 1 | extra slim short end spring tweezers 120 mm | 999A |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | front wire stripping pliers, self - adjusting 170 mm | 1149F |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM |
| 1 | flat nose pliers 〓 140 mm | 1172BM |
| 1 | smooth half - round long needle nose pliers ◖ 140 mm | 1177BM |
| 1 | smooth half - round long bent needle nose pliers ◖ 140 mm | 1178BM/P |
| 1 | diagonal flush cutting nippers, rounded tips ⟨ 120 mm | 1184BM |
| 1 | diagonal flush cutting nippers, slim tips ⟨ 120 mm | 1186BM |
| 1 | end flush oblique cutting nippers ⟨ | 1191BM |
| 8 | micro-screwdrivers | 1257LPH/S8 |
| 1 | mains testing screwdriver ◖ | 1253 |
| 1 | screwdriver for slotted head screws, extra-short series ◖ 6,5x30 mm | 1290N |
| 3 | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 mm | 1292 |
| 2 | screwdriver for cross head Phillips® screws, extra-short series ✪ PH1x30 - PH2x30 mm | 1292N |
| 5 | screwdrivers for headless slotted screws ◖ 2,5x60 - 3x75 - 4x100 - 5x125 - 6,5x150 mm | 1294 |
| 1 | engineer's hammer 200 g | 1370 |
| 1 | flexible graduated rule 150 mm | 1682 |
| 1 | engineer's scriber 220 mm | 1688 |
| 1 | measuring tape 5 m | 1692 |
| 1 | telescopic joint inspection mirror 670 mm | 1715 |
| 1 | Needle files ● | 1720R |
| 1 | Needle files ▲ | 1720T |
| 1 | Needle files ▮ | 1720P |
| 1 | spring puller | 1723 |
| 1 | bristle brush | 1738 |
| 1 | pen oiler | 1756 |
| 1 | snap - off blade utility knife | 1771BM |
| 1 | fold - away knife | 1777BM |
| 1 | self-locking round end knurled tool made of stainless steel | 1002 |
| 1 | soldering iron 25W | 1814M |
| 1 | de - soldering pump | 1830T |
| 1 | LED inspection torch, made of sturdy anodized aluminium | 1833XS/2 |

| | |
|---|---|
| **5980EL/B** | 059801082 |

**Assortment recommended in combination with 2029/VV - 2033P/VV - 2036TV**

## 5980ID

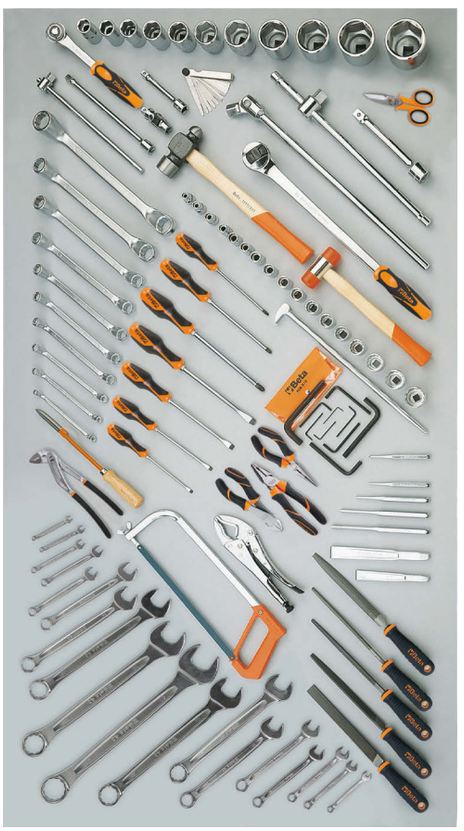
assortment of 35 tools

### ► Plumbing maintenance

| Quantity | Description | Beta N. |
|---|---|---|
| 1 | flat chisels 150 mm | 34 |
| 1 | flat chisels, ribbed type 200 mm | 35 |
| 12 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm | 55/S12X |
| 1 | adjustable wrench 250 mm | 111 |
| 1 | pipe cutter for copper and light alloy pipes Ø 3÷30 mm | 334 |
| 1 | pipe wrench Swedish pattern 320 mm | 374 |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | tin snips 300 mm | 1112 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, bi-material handles, industrial finish 〓 180 mm | 1150GBM |
| 4 | screwdriver for slotted head screws ◖ 3x75 - 4x100 - 5,5x150 - 8x150 mm | 1201E |
| 2 | screwdriver for cross head Phillips® screws ✪ PH1x80 - PH2x100 mm | 1202E |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | measuring tape, made of fibre 2 m | 1690F |
| 1 | measuring tape 5 m | 1692 |
| 1 | spirit level, made of aluminium 200 mm | 1696 |
| 1 | second-cut half-round files 200 mm | 1719BMA...M |
| 1 | hacksaw frame, aluminium handle | 1725 |
| 1 | Steel wire brush | 1737NX |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |

| | |
|---|---|
| **5980ID** | 059801085 |

**Assortment recommended in combination with 2009N/VV**



## 5902MT

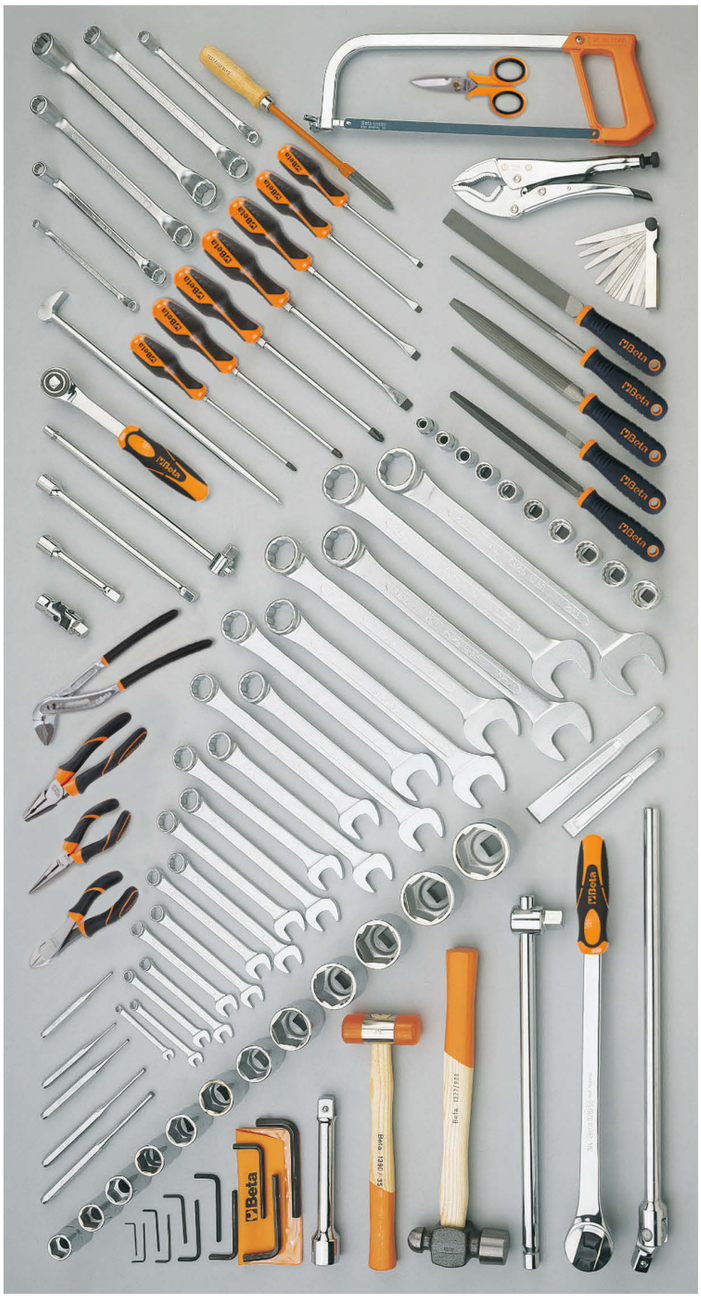
assortment of 106 tools for agricultural, building and earth-moving machinery

### ► Car repairs

| Quantity | Description | Beta N. |
|---|---|---|
| 2 | drift punches Ø 3 - 4 mm | 30 |
| 2 | pin punches Ø 6 - 8 mm | 31 |
| 1 | centre punch Ø 4 mm | 32 |
| 2 | flat chisels, ribbed type 150 - 200 mm | 35 |
| 18 | combination wrenches 6÷14 - 17 - 19 - 22 - 24 - 27 - 30 - 32 - 36 - 41 mm | 42 |
| 10 | double ended offset ring wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 24x27 - 30x32 mm | 90 |
| 10 | offset hexagon key wrenches ○ 1,5÷12 mm | 96N/B10 |
| 17 | 1/2" square drive hexagon sockets ◌ 10÷22 - 24 - 27 - 30 - 32 mm | 920A |
| 1 | 1/2" drive extension bar 125 mm | 920/21 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive push-through square ratchet ⓡ | 920/50 |
| 11 | 3/4" square drive hexagon socket ◌ 22 - 24 - 27 - 30 - 32 - 36 - 41 - 46 - 50 - 55 - 60 mm | 928A |
| 1 | 3/4" drive extension bar 200 mm | 928/21 |
| 1 | 3/4" drive swivel handle | 928/36A |
| 1 | 3/4" drive sliding T - handle | 928/42 |
| 1 | 3/4" drive reversible ratchet ⓡ | 928/55 |
| 1 | pry bar | 964 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | adjustable self locking pliers, curved jaws | 1055 |
| 1 | heavy duty diagonal cutting nippers, bi-material handles, industrial finish ⟨ 160 mm | 1084GBM |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, bi-material handles, industrial finish 〓 180 mm | 1150GBM |
| 1 | extra-long needle knurled nose pliers, bi-material handles, industrial finish ◖ 160 mm | 1166GBM |
| 4 | screwdrivers for slotted head screws with hexagon bolsters ◖ 6,5x150 - 8x175 - 10x200 - 12x250 mm | 1260E |
| 3 | screwdrivers for cross head Phillips® screws with hexagon bolsters ✪ PH2x150 - PH3x175 - PH4x200 mm | 1262E |
| 1 | ball pein hammer 900 g | 1377 |
| 1 | soft face hammer Ø 35 mm | 1390 |
| 1 | metric feeler gauge | 1708/20 |
| 1 | three - cutting edges scraper 200 mm | 1717B |
| 5 | Set of 5 second-cut files, with handles 200 mm | 1719BMA...S5 |
| 1 | hacksaw frame, aluminium handle | 1725 |

| | |
|---|---|
| **5902MT** | 059021053 |

**Assortment recommended in combination with RSC22 - RSC23 - RSC23C - C39T**



# 5902MT/AS

assortment of 99 tools for earth-moving machinery (CATERPILLAR)

## ► Car repairs

| Quantity | Description | Beta N. |
|---|---|---|
| 2 | drift punches Ø 3 - 4 mm | 30 |
| 2 | pin punches Ø 6 - 8 mm | 31 |
| 1 | centre punch Ø 4 mm | 32 |
| 2 | flat chisels, ribbed type 150 - 200 mm | 35 |
| 20 | combination wrenches 1/4÷1.1/2" | 42AS |
| 6 | double ended offset ring wrenches 1/4x5/16 - 3/8x7/16 - 1/2x9/16 5/8x3/4 - 11/16x13/16 - 7/8x15/16" | 90AS |
| 11 | offset hexagon key wrenches ○ 3/64÷3/8" | 96AS/B11 |
| 10 | 1/2" square drive bi - hex sockets ○ 7/16 - 1/2 - 9/16 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 15/16 - 1" | 920AS |
| 1 | 1/2" drive extension bar 125 mm | 920/21 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive push-through square ratchet ⓡ | 920/50 |
| 12 | hexagon hand sockets 1/4" ○ □ 3/4", 7/8 - 15/16 - 1 - 1.1/16 - 1.1/8 - 1.1/4 - 1.5/16 1.1/2 - 1.5/8 - 1.11/16 - 1.7/8 - 2" | 928AS |
| 1 | 3/4" drive extension bar 200 mm | 928/21 |
| 1 | 3/4" drive swivel handle | 928/36A |
| 1 | 3/4" drive sliding T - handle | 928/42 |
| 1 | 3/4" drive reversible ratchet ⓡ | 928/55 |
| 1 | pry bar | 964 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | adjustable self locking pliers, curved jaws | 1055 |
| 1 | heavy duty diagonal cutting nippers, bi-material handles, industrial finish ⧓ 160 mm | 1084GBM |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, bi-material handles, industrial finish ▬ 180 mm | 1150GBM |
| 1 | extra-long needle knurled nose pliers, bi-material handles, industrial finish ◖ 160 mm | 1166GBM |
| 4 | screwdrivers for slotted head screws with hexagon bolsters ◖ 6,5x150 - 8x175 - 10x200 - 12x250 mm | 1260E |
| 3 | screwdrivers for cross head Phillips® screws with hexagon bolsters ✪ PH2x150 - PH3x175 - PH4x200 mm | 1262E |
| 1 | ball pein hammer 900 g | 1377 |
| 1 | soft face hammer Ø 35 mm | 1390 |
| 1 | metric feeler gauge 150 - 200 mm | 1708/20 |
| 1 | three - cutting edges scraper 200 mm | 1717B |
| 5 | Set of 5 second-cut files, with handles 200 mm | 1719BMA...S5 |
| 1 | hacksaw frame, aluminium handle | 1725 |

**5902MT/AS** 059021054

**Assortment recommended in combination with RSC22 - RSC23 - RSC23C - C39T**

# 5904VG/2M

assortment of 170 tools in EVA foam trays

## ► Car repairs

| Quantity/Description | Beta N. | TR |
|---|---|---|
| **16** combination wrenches 6÷21 mm | 42 | **M05** |
| **5** combination wrenches 22 - 24 - 27 - 30 - 32 mm | 42 | **M06** |
| **8** offset hexagon key wrenches ○ 2-2,5-3-4-5-6-7-8 mm | 96T | **M50** |
| **5** drivers for Torx® head screws ✪ T10-T15-T20-T25-T30 | 97TTX | **M55** |
| **7** hexagon bits ○ 4-5-6-7-8-10-12 mm | 867PE | **M86** |
| **7** hexagon bits ○ 4-5-6-7-8-10-12 mm | 867PE/L | **M86** |
| **5** bits with XZN® profile ○ 5-6-8-10-12 mm | 867XZN | **M86** |
| **5** bits with XZN® profile ○ 5-6-8-10-12 mm | 867XZN/L | **M86** |
| **7** bits for Torx® head screws ✪ T20-T25-T30-T40-T45-T50-T55 | 867TX | **M86** |
| **6** bits for Torx® head screws ✪ T25-T30-T40-T45-T50-T55 | 867TX/L | **M86** |
| **7** bits for Tamper Resistant Torx® head screws ⊛ T20-T25-T30-T40-T45-T50-T55 | 867RTX | **M86** |
| **1** bit holder sockets for item 867 | 867/1 | **M86** |
| **1** bit holder sockets for item 867 | 867/2 | **M86** |
| **5** screwdrivers for slotted head screws ◖ 3x75 - 3,5x100 - 4x125 - 5,5x150 - 6,5x150 mm | 1260 | **M208** |
| **3** screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 mm | 1262 | **M208** |
| **1** screwdrivers for slotted head screws, extra-short series ◖ 4x30 mm | 1260N | **M208** |
| **1** screwdrivers for cross head Phillips® screws, extra - short series ✪ PH1x30 mm | 1262N | **M208** |
| **5** bits for slotted head screws, coloured ◖ 0,5x3 - 0,6x4,5 - 0,8x5,5 - 1x5,5 - 1,2x6,5 mm | 860LP | **M85** |
| **8** hexagon bits for power drivers, coloured ○ 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 860PE | **M85** |
| **5** bits for cross head Phillips® screws, coloured ✪ PH0 - PH1 - PH2 - PH3 - PH4 | 860PH | **M85** |
| **4** bits for cross head Pozidriv® - Supadriv® screws, coloured ✪ PZ1 - PZ2 - PZ3 - PZ4 | 860PZ | **M85** |
| **11** bits for Torx® head screws, coloured ✪ T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40 | 860TX | **M85** |
| **8** bits for Tamper Resistant Torx® head screws, coloured ⊛ T9-T10-T15-T20-T25-T27-T30-T40 | 860RTX | **M85** |
| **1** magnetic bit holder with handle 230 mm | 851SR | **M85** |
| **1** reversible bit ratchet 100 mm | 860/55 | **M85** |
| **1** magnetic bit holder extension bar 80 mm | 882P | **M85** |
| **1** adaptors for drivers ■ 1/4 - □ 1/4 | 892/0 | **M85** |
| **2** flat chisels, ribbed type 100 - 200 mm | 35 | **M234** |
| **1** engineer's hammer 300 g | 1370 | **M234** |
| **1** soft face hammer Ø 35 mm | 1390 | **M234** |
| **1** 1/2" wobble extension bar 125 mm | 920AN/125 | **M83** |
| **1** 1/2" wobble extension bar 250 mm | 920AN/250 | **M83** |
| **1** 1/2" drive universal joint | 920/25 | **M83** |
| **1** 1/2" drive sliding T-handle | 920/42 | **M83** |
| **1** 1/2" drive reversible ratchet ⓡ | 920/55 | **M83** |
| **19** 1/2" square drive hexagon sockets ◎ 10÷24 - 26 - 27 - 30 - 32 mm | 920A | **M83** |
| **1** half-round needle nose pliers 〓 180 mm | 1150BM | **M136** |
| **1** Extra-long needle nose pliers ◖ 160 mm | 1166BM | **M136** |
| **1** Heavy-duty diagonal cutting nippers ⟨ 160 mm | 1084BM | **M136** |
| **1** circlip pliers straight, internal ⊙ 180 mm | 1032 | **M145** |
| **1** circlip pliers bent, internal ⊙ 170 mm | 1034 | **M145** |
| **1** circlip pliers straight, external ● 175 mm | 1036 | **M145** |
| **1** circlip pliers bent, external ● 175 mm | 1038 | **M145** |

**5904VG/2M** 059041198

**Assortment recommended in combination with RSC24 - RSC24A - RSC24AXL - C37 - C39 RSC24L - RSC24L-CAB - C59 - C55 - C39T - C39SM - C39MD - RSC23T - RSC28**

# 5904VG/2T

assortment of 99 tools in ABS thermoformed trays

## ► Car repairs

| Quantity/Description | | Beta N. | TR |
|---|---|---|---|
| **16** | combination wrenches 6÷21 mm | 42 | **T05** |
| **5** | combination wrenches 22 - 24 - 27 - 30 - 32 mm | 42 | **T06** |
| **19** | 1/2" square drive hexagon sockets ◎ 10÷24 - 26 - 27 - 30 - 32 mm | 920A | **T80** |
| **5** | 1/2" drive, socket drivers for hexagon screws ○ 5 - 6 - 8 - 10 - 12 mm | 920ME | **T80** |
| **1** | 1/2" drive extension bar 125 mm | 920/21 | **T80** |
| **1** | 1/2" drive extension bar 255 mm | 920/22 | **T80** |
| **1** | 1/2" drive universal joint | 920/25 | **T80** |
| **1** | 1/2" drive sliding T-handle | 920/42 | **T80** |
| **1** | 1/2" drive reversible ratchet ⓡ | 920/55 | **T80** |
| **1** | Slip joint pliers boxed joints 250 mm | 1048 | **T153** |
| **1** | self - locking pliers 240 mm | 1052 | **T153** |
| **1** | Heavy-duty diagonal cutting nippers ⧓ 160 mm | 1084 | **T138** |
| **1** | Extra-long needle nose pliers ◖ 160 mm | 1166 | **T138** |
| **1** | half-round needle nose pliers 〓 180 mm | 1150 | **T138** |
| **1** | circlip pliers straight, internal ⊙ 180 mm | 1032 | **T145** |
| **1** | circlip pliers straight, external ● 175 mm | 1036 | **T145** |
| **1** | circlip pliers bent, internal ⊙ 170 mm | 1034 | **T145** |
| **1** | circlip pliers bent, external ● 175 mm | 1038 | **T145** |
| **2** | flat chisels, ribbed type 100 - 200 mm | 35 | **T234** |
| **1** | engineer's hammer 300 g | 1370 | **T234** |
| **1** | soft face hammer Ø 35 mm | 1390 | **T234** |
| **4** | screwdrivers for slotted head screws ◖ 3x75 - 4x100 - 5,5x150 - 6,5x150 mm | 1260 | **T208** |
| **3** | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 mm | 1262 | **T208** |
| **8** | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm | 55 | **T33** |
| **9** | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96/SC9 | **T33** |
| **6** | offset hexagon key wrenches ○ 2 - 2,5 - 3 - 4 - 5 - 6 mm | 96T | **T52** |
| **6** | drivers for Torx® head screws, with handles ✪ T10 - T15 - T20 - T25 - T27 - T30 | 97TTX | **T55** |

**5904VG/2T** 059041191

**Assortment recommended in combination with RSC24 - RSC24A - RSC24AXL - C37 - C39 RSC23T - C39T - RSC24L - RSC24L-CAB - C59 - C55 - RSC28 - C39SM - C39MD**

# 5904VG/3

assortment of 132 tools

## ► Car repairs

| Quantity | Description | Beta N. |
|---|---|---|
| 6 | Ø 2÷8 mm | 31/B6N |
| 1 | centre punch Ø 5 mm | 32 |
| 1 | flat chisels, ribbed type 200 mm | 35 |
| 17 | combination wrenches 6÷22 mm | 42 |
| 8 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm | 55 |
| 9 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96N/SC9 |
| 11 | offset hexagon key wrenches ○ 2÷10 mm | 96T/SP11 |
| 13 | offset key wrenches for Torx® head screws ✪ T6÷T50 | 97TX/B13 |
| 1 | adjustable wrench 300 mm | 111 |
| 13 | 1/2" square drive hexagon sockets with rail ◎ 10÷22 mm | 920A/SB13 |
| 1 | 1/2" drive extension bar 125 mm | 920/21 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive push-through square ratchet ⓡ | 920/50 |
| 6 | T - handle wrenches with swivelling socket ◎ 8 - 10 - 12 - 13 - 17 - 19 mm | 952 |
| 1 | pry bar with handle 450 mm | 965 |
| 2 | circlip pliers straight, internal ⊙ 180 - 225 mm | 1032 |
| 2 | circlip pliers bent, internal ⊙ 170 - 210 mm | 1034 |
| 2 | circlip pliers straight, external ● 175 - 225 mm | 1036 |
| 2 | circlip pliers bent, external ● 175 - 220 mm | 1038 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | self - locking pliers 240 mm | 1057A |
| 1 | heavy duty diagonal cutting nippers, bi-material handles, industrial finish ⧓ 200 mm | 1084GBM |
| 1 | toggle lever assisted end cutting nippers ⧓ 200 mm | 1092V |
| 1 | tin snips 250 mm | 1112 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, bi-material handles, industrial finish 〓 180 mm | 1150GBM |
| 4 | screwdrivers for slotted head screws ◖ 3x75 - 4x100 - 5,5x125 - 6,5x150 mm | 1260 |
| 1 | screwdrivers for slotted head screws, extra-short series ◖ 6,5x30 mm | 1260N |
| 2 | screwdrivers for slotted head screws with hexagon bolsters ◖ 8x175 - 10x200 mm | 1260E |
| 3 | screwdrivers for cross head Phillips® screws ✪ PH0x100 - PH1x120 - PH2x100 mm | 1262 |
| 1 | screwdrivers for cross head Phillips® screws, extra - short series ✪ PH2x30 mm | 1262N |
| 1 | screwdrivers for cross head Phillips® screws with hexagon bolsters ✪ PH3x175mm | 1262E |
| 1 | screwdriver for cross head Phillips® screws, long series ✪ PH2x400 mm | 1262L |
| 1 | screwdriver for headless slotted screws, long series ◖ 6,5x400 mm | 1264L |
| 1 | engineer's hammer 500 g | 1370 |
| 1 | soft face hammer Ø 45 mm | 1390 |
| 1 | adjustable oil filter wrench | 1491 |
| 1 | metric feeler gauge | 1708/20 |
| 5 | Set of 5 second-cut files, with handles 200 mm | 1719BMA...S5 |
| 1 | hacksaw frame, aluminium handle | 1726BM |
| 1 | metal oil can 200 cc | 1751 |

**5904VG/3** 059041062

**Assortment recommended in combination with RSC24 - RSC24A - RSC24AXL - C37 - C39 with 7 - 8 drawers RSC24L - RSC24L-CAB - C59 - C55**

# 5904VG/3T

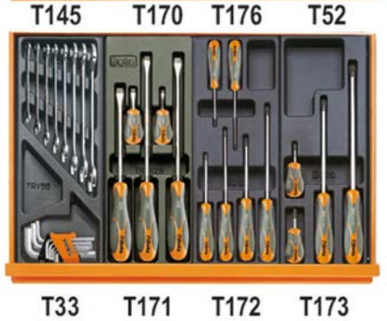
assortment of 102 tools in ABS thermoformed trays

## ► Car repairs

| Quantity/Description | Beta N. | TR |
|---|---|---|
| **21** combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17 18-19-20-21-22-24-27-30-32 mm | 42 | **T05-T06** |
| **8** double open end wrenches 6x7-8x9-10x11-12x13-14x15 16x17-18x19-20x22 mm | 55 | **T33** |
| **9** offset hexagon key wrenches ○ 1,5÷10 mm | 96/SC9 | **T33** |
| **6** offset hexagon key wrenches ○ 2-2,5-3-4-5-6 mm | 96T | **T52** |
| **8** T - handle wrenches with swivelling socket ○ 7-8-10-12-13-14-17-19 mm | 952 | **T63** |
| **19** 1/2" square drive hexagon sockets ○ 10-11-12-13-14-15-16-17-18-19 20-21-22-23-24-26-27-30-32 mm | 920A | **T83** |
| **1** 1/2" drive extension bar 125 mm | 920/21 | **T83** |
| **1** 1/2" drive extension bar 255 mm | 920/22 | **T83** |
| **1** 1/2" drive universal joint | 920/25 | **T83** |
| **1** 1/2" drive sliding T-handle 305 mm | 920/42 | **T83** |
| **1** 1/2" drive reversible ratchet | 920/55 | **T83** |
| **1** Heavy-duty diagonal cutting nippers 160 mm | 1084BM | **T137** |
| **1** half-round needle nose pliers 180 mm | 1150BM | **T137** |
| **1** Extra-long needle nose pliers 160 mm | 1166BM | **T137** |
| **1** circlip pliers straight, internal ○ 180 mm | 1032 | **T145** |
| **1** circlip pliers bent, internal ○ 170 mm | 1034 | **T145** |
| **1** circlip pliers straight, external ● 175 mm | 1036 | **T145** |
| **1** circlip pliers bent, external ● 175 mm | 1038 | **T145** |
| **1** self - locking pliers 240 mm | 1052 | **T153** |
| **1** Slip joint pliers boxed joints 250 mm | 1048 | **T153** |
| **7** screwdrivers for slotted head screws 2,5x50 -3x75 - 3,5x100 - 4x125 -5,5x100 - 5,5x150 - 6,5x150 mm | 1260 | **T199** |
| **6** screwdrivers for cross head Phillips® screws PH0x60 - PH0x100 - PH1x80 PH1x120 - PH2x100 - PH2x150 mm | 1262 | **T202** |
| **2** flat chisels, ribbed type 100-200 mm | 35 | **T234** |
| **1** engineer's hammer 300 g | 1370 | **T234** |
| **1** soft face hammer Ø 35 mm | 1390 | **T234** |
| **1** empty thermoformed tray | VP5 | |

| | |
|---|---|
| **5904VG/3T** | 059041510 |

**Assortment recommended in combination with RSC24 - RSC24A - C37 - C39 RSC24L - RSC24L-CAB - C59 - C55 - RSC23T - C39T -RSC28 -C39SM - C39MD**



# 5904VG/5T

assortment of 153 tools in ABS thermoformed trays

## ► Car repairs

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 5 | 1/2" drive, socket drivers for hexagon screws ○ 5 - 6 - 8 - 10 - 12 mm | 920ME | T80 |
| 1 | 1/2" drive extension bar 125 mm | 920/21 | T80 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 | T80 |
| 1 | 1/2" drive universal joint | 920/25 | T80 |
| 1 | 1/2" drive sliding T-handle | 920/42 | T80 |
| 1 | 1/2" drive reversible ratchet | 920/55 | T80 |
| 19 | 1/2" square drive hexagon sockets ◎ 10÷24 - 26 - 27 - 30 - 32 mm | 920A | T80 |
| 16 | combination wrenches 6÷21 mm | 42 | T05 |
| 5 | combination wrenches 22 - 24 - 27 - 30 - 32 mm | 42 | T06 |
| 8 | T - handle wrenches with swivelling socket ◎ 7 - 8 - 10 - 12 - 13 - 14 - 17 - 19 mm | 952 | T63 |
| | empty thermoformed tray | VP6 | VP6 |
| 1 | circlip pliers straight, internal ⊙ 180 mm | 1032 | T145 |
| 1 | circlip pliers bent, internal ⊙ 170 mm | 1034 | T145 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 | T145 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 | T145 |
| 7 | screwdrivers for cross head Phillips® screws ◐ 2,5x50 - 3x75 - 3,5x100 - 4x125 - 5,5x100 - 5,5x150 - 6,5x150 mm | 1290 | T170 |
| 5 | drivers for Torx® head screws, with handles ✪ T25 - T27 - T30 - T40 - T45 | 1297TX | T176 |
| 6 | offset hexagon key wrenches ○ 2 - 2,5 - 3 - 4 - 5 - 6 mm | 96T | T52 |
| 8 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 mm | 55 | T33 |
| 9 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96N/SC9 | T33 |
| 3 | screwdrivers for cross head Phillips® screws ◐ 8x150 - 8x200 - 10x200 mm | 1290 | T171 |
| 2 | screwdriver for slotted head screws, extra-short series ◐ 4x30 - 6,5x30 mm | 1290N | T171 |
| 6 | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH0x100 - PH1x80 - PH1x120 - PH2x100 - PH2x150 mm | 1292 | T172 |
| 2 | screwdrivers for cross head Phillips® screws ✪ PH3x150 - PH4x200 mm | 1292 | T173 |
| 2 | screwdriver for cross head Phillips® screws, extra-short series ✪ PH1x30 - PH2x30 mm | 1292N | T173 |
| 2 | flat chisels, ribbed type 100 - 200 mm | 35 | T234 |
| 1 | engineer's hammer 300 g | 1370 | T234 |
| 1 | soft face hammer Ø 35 mm | 1390 | T234 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM | T137 |
| 1 | Extra-long needle nose pliers ◐ 160 mm | 1166BM | T137 |
| 1 | Heavy-duty diagonal cutting nippers ⁒ 160 mm | 1084BM | T137 |
| 6 | bits for Torx® head screws ✪ T6÷T15 | 861TX | T112 |
| 8 | bits for Torx® head screws ✪ T20÷T55 | 866TX | T112 |
| 1 | socket holder | 895/1 | T112 |
| 1 | socket holder | 895/6 | T112 |
| 6 | 1/4" sockets for Torx® head screws ◎ E4÷E10 | 900FTX | T112 |
| 7 | 1/2" sockets for Torx® head screws ◎ E12÷E24 | 920FTX | T112 |
| 3 | 1/2" drive, socket drivers for Torx® head screws ✪ T55L - T60 - T70L | 920TX | T112 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | T153 |
| 1 | self - locking pliers 240 mm | 1052 | T153 |
| 1 | empty thermoformed tray | VP6 | |

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|---|---|
| 5904VG/5T | 059041196 |

**Assortment recommended in combination with RSC24 with 7 - 8 drawers - RSC24A with 7 - 8 drawers - RSC24AXL - C37 with 7 - 8 drawers - C39 with 7 - 8 drawers RSC24L - RSC24L-CAB - C59 - C55 - RSC23T - RSC28 - C39MD - C39SM**

# 5905VG/1

assortment of 94 tools for car body repair shops

## ► Car repairs

| Quantity | Description | Beta N. |
|---|---|---|
| 1 | drift punches Ø 4 mm | 30 |
| 6 | Ø 2 - 3 - 4 - 5 - 6 - 8 mm | 31/B6N |
| 1 | centre punch Ø 4 mm | 32 |
| 1 | flat chisels 150 mm | 34 |
| 1 | cape chisels, standard type 150 mm | 36 |
| 17 | combination wrenches 6÷22 mm | 42 |
| 10 | offset hexagon key wrenches ○ 1,5÷12 mm | 96/B10 |
| 1 | adjustable wrench 300 mm | 111N |
| 12 | hi-torque hexagon nut spinners, long series ◌ 4÷14 mm | 943BX |
| 1 | pry bar with handle 450 mm | 965 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | adjustable self locking pliers, aluminium jaws 280 mm | 1060AL |
| 1 | heavy duty diagonal cutting nippers, bi-material handles, industrial finish ⧓ 160 mm | 1084GBM |
| 1 | construction worker's pincers 250 mm | 1098PL |
| 1 | compound leverage shears, straight blades | 1122 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, bi-material handles, industrial finish 〓 180 mm | 1150GBM |
| 1 | screwdriver for Dzus® head screws ◖ | 1201E/DZ |
| 4 | screwdrivers for slotted head screws ◖ 3x75 - 4x100 - 5,5x150 - 6,5x150 mm | 1260 |
| 1 | screwdrivers for slotted head screws, extra-short series ◖ 4x30 mm | 1260N |
| 2 | screwdrivers for slotted head screws with hexagon bolsters ◖ 10x175 - 12x200 mm | 1260E |
| 3 | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 mm | 1262 |
| 1 | screwdrivers for cross head Phillips® screws, extra - short series ✪ PH1x30 mm | 1262N |
| 1 | screwdrivers for cross head Phillips® screws with hexagon bolsters ✪ PH3x175 mm | 1262E |
| 7 | drivers for Torx® head screws ✪ T6 - T8 - T10 - T15 - T20 - T25 - T30 | 1267TX |
| 1 | curved dolly 1350 g | 1303 |
| 1 | toe dolly | 1305 |
| 1 | heel dolly | 1306 |
| 1 | general purpose dolly | 1310 |
| 1 | buffer dolly | 1313 |
| 1 | curved angle spoon | 1326 |
| 1 | heavy duty spoon | 1327 |
| 1 | long double-ended spoon | 1330 |
| 1 | body blade holder, with blade 9" | 1338A |
| 1 | extra flat chisel with hand guard | 1342PM |
| 1 | body hammer | 1345 |
| 1 | Ø 32 mm | 1357Z/32 |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | soft face hammer Ø 35 mm | 1390 |
| 1 | measuring tape 5 m | 1692 |

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|---|---|
| **5905VG/1** | 059051058 |

**Assortment recommended in combination with C25**

# 5905VG/2

assortment of 118 tools

## ► Car repairs

| Quantity/Description | | Beta N. |
|---|---|---|
| 6 | set of 2 drift punches, 1 centre punch, 2 flat chisels and 1 cape chisel in roll-up wallet made of polyester | 38/B6N |
| 13 | combination wrenches 6÷14 - 17 - 19 - 22 - 24 mm | 42 |
| 13 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 - 21x23 - 24x26 - 25x28 - 27x29 - 30x32 mm | 55 |
| 3 | half - moon ring wrenches 11x13 - 14x17 - 19x22 mm | 83 |
| 10 | offset hexagon key wrenches ○ 1,5÷12 mm | 96N/B10 |
| 6 | drivers for Torx® head screws, with handles ✪ T10 - T15 - T20 - T25 - T30 - T40 | 97TTX |
| 2 | 1/2" drive impact sockets ◎ 17 - 19 mm | 720 |
| 20 | 1/2" square drive hexagon sockets ◎ 10÷24 - 26 - 27 - 28 - 30 - 32 mm | 920A |
| 1 | 1/2" drive extension bar 125 mm | 920/21 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 |
| 8 | T - handle wrenches with swivelling socket ◎ 7 - 8 - 10 - 11 - 13 - 14 - 17 - 19 mm | 952 |
| 1 | T - handle swivel spark plug wrenches | 959 |
| 1 | wheel nut wrench ◎ 17x19x22x ■ 1/2" | 979 |
| 1 | circlip pliers straight, internal ⊙ 180 mm | 1032 |
| 1 | circlip pliers bent, internal ⊙ 170 mm | 1034 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | heavy duty diagonal cutting nippers, bi-material handles, industrial finish ⧗ 160 mm | 1084GBM |
| 1 | compound leverage shears, straight blades 250 mm | 1122 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | heavy duty combination pliers, bi-material handles, industrial finish 〓 180 mm | 1150GBM |
| 1 | extra-long needle knurled nose pliers, bi-material handles, industrial finish ◖ 160 mm | 1166GBM |
| 8 | screwdrivers for slotted head screws ◖ 2,5x50 - 3x75 - 3,5x100 - 4x125 - 5,5x125 - 6,5x150 - 8x200 - 10x200 mm | 1260 |
| 2 | screwdrivers for slotted head screws with hexagon bolsters ◖ 10x200 - 12x250 mm | 1260E |
| 1 | screwdrivers for slotted head screws, extra-short series ◖ 6,5x30 mm | 1260N |
| 4 | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH1x80 PH2x100 - PH3x150 mm | 1262 |
| 1 | engineer's hammer 400 g | 1370 |
| 1 | soft face hammer Ø 35 mm | 1390 |
| 1 | adjustable oil filter wrench | 1491 |
| 1 | circuit tester 3÷48 V | 1498 |

**5905VG/2** 059051044

**Assortment recommended in combination with C25**

T05 T06 T31

T80 T145 T146

T167 T168
+96N +1771

T63 T209

T55 T110 T113 T236

T264 T234 T153 T138

T105 T106 VP6

# 5908VG/2T

assortment of 212 tools in ABS thermoformed trays

## ► Car repairs

| Quantity/Description | Beta N. | TR |
|---|---|---|
| **16** combination wrenches 6÷21 mm | 42 | **T05** |
| **5** combination wrenches 22 - 24 - 27 - 30 - 32 mm | 42 | **T06** |
| **5** pin punches Ø 2 - 3 - 4 - 5 - 6 mm | 31 | **T31** |
| **1** centre punch Ø 4 mm | 32 | **T31** |
| **12** double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 18x19 - 20x22 - 21x23 - 24x26 - 27x29 - 30x32 mm | 55 | **T31** |
| **9** offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96N/SC9 | **T31** |
| **5** 1/2" drive, socket drivers for hexagon screws ○ 5 - 6 - 8 - 10 - 12 mm | 920ME | **T80** |
| **1** 1/2" drive extension bar 125 mm | 920/21 | **T80** |
| **1** 1/2" drive extension bar 255 mm | 920/22 | **T80** |
| **1** 1/2" drive universal joint | 920/25 | **T80** |
| **1** 1/2" drive sliding T-handle | 920/42 | **T80** |
| **1** 1/2" drive reversible ratchet | 920/55 | **T80** |
| **19** 1/2" square drive hexagon sockets ◎ 10÷24 - 26 - 27 - 30 - 32 mm | 920A | **T80** |
| **1** circlip pliers straight, internal ⊙ 180 mm | 1032 | **T145** |
| **1** circlip pliers bent, internal ⊙ 170 mm | 1034 | **T145** |
| **1** circlip pliers straight, external ● 175 mm | 1036 | **T145** |
| **1** circlip pliers bent, external ● 175 mm | 1038 | **T145** |
| **1** circlip pliers straight, internal ⊙ 140 mm | 1032 | **T146** |
| **1** circlip pliers straight, internal ⊙ 225 mm | 1032 | **T146** |
| **1** circlip pliers straight, external ● 140 mm | 1036 | **T146** |
| **1** circlip pliers straight, external ● 225 mm | 1036 | **T146** |
| **9** screwdrivers for slotted head screws ◖ 3x75 - 3x100 - 4x100 - 4x150 - 5,5x100 - 5,5x150 - 6,5x150 - 8x150 - 10x200 mm | 1260 | **T167** |
| **2** screwdrivers for slotted head screws, extra-short series ◖ 4x30 - 6,5x30 mm | 1260N | **T167** |
| **7** screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH0x100 - PH1x80 - PH1x120 - PH2x100 - PH2x150 -PH3x150 mm | 1262 | **T168** |
| **2** screwdrivers for cross head Phillips® screws, extra - short series ✪ PH1x30 - PH2x30 mm | 1262N | **T168** |
| **8** T - handle wrenches with swivelling socket ◎ 7 - 8 - 10 - 12 - 13 - 14 - 17 - 19 mm | 952 | **T63** |
| **2** screwdriver for cross head Phillips® screws, long series ✪ PH1x400 - PH2x400 mm | 1262L | **T209** |
| **3** screwdriver for headless slotted screws, long series ◖ 3x300 - 4x400 - 5x400 mm | 1264L | **T209** |
| **6** drivers for Torx® head screws, with handles ✪ T10-T15-T20-T25-T27-T30 | 97TTX | **T55** |
| **13** 1/2" drive impact sockets ◎ 10-11-12-13-14-16-17-18-19-21-22-23-24 mm | 720 | **T110** |
| **1** 1/2" drive impact extension bar 125 mm | 720/21 | **T110** |
| **5** socket drivers for hexagon screws ○ 5L - 6L - 7L - 8L - 10L | 920PE | **T113** |
| **4** 1/2" drive, socket drivers for Torx® head screws ✪ T40L - T45L - T55L - T70L | 920TX | **T113** |
| **3** socket drivers with XZN® profile ○ M6L - M8L - M12L | 920XZN | **T113** |
| **5** second cut files 200 mm | 1719BMA8/S5 | **T236** |
| **1** adjustable oil filter wrench 110 mm | 1491 | **T264** |
| **1** square oil drain plug socket ■ 10 mm | 1494 | **T264** |
| **7** male hexagon oil drain plug sockets ○ 8-9-10-11-12-14-17 mm | 1494E | **T264** |
| **4** male square oil drain plug sockets ○ 8-9,5-12-13 mm | 1494Q | **T264** |
| **1** male triangular oil drain plug socket Δ | 1494T | **T264** |
| **1** male oil drain plug socket with XZN® profile ○ | 1494XZN | **T264** |
| **1** oil plug wrenches | 1496/C | **T264** |
| **2** flat chisels, ribbed type 100 - 200 mm | 35 | **T234** |
| **1** engineer's hammer 300 g | 1370 | **T234** |
| **1** soft face hammer Ø 35 mm | 1390 | **T234** |
| **1** Slip joint pliers boxed joints 250 mm | 1048 | **T153** |
| **1** self - locking pliers 240 mm | 1052 | **T153** |
| **1** half-round needle nose pliers 〓 180 mm | 1150 | **T138** |
| **1** Extra-long needle nose pliers ◖ 160 mm | 1166 | **T138** |
| **1** Heavy-duty diagonal cutting nippers ⟨ 160 mm | 1084 | **T138** |
| **11** 3/4" square drive hexagon socket ◎ 22-24-27-30-32-34-36-38-41-46-50 mm | 928A | **T105** |
| **1** 3/4" drive extension bar 200 mm | 928/21 | **T106** |
| **1** 3/4" drive extension bar 380 mm | 928/22 | **T106** |
| **1** 3/4" drive sliding T - handle 450 mm | 928/42 | **T106** |
| **1** 3/4" drive reversible ratchet | 928/55 | **T106** |
| **1** empty thermoformed tray | VP6 | **VP6** |
| **4** offset hexagon key wrenches ○ 13-14-17-19 mm | 96N | |
| **1** adjustable wrench 300 mm | 111 | |
| **1** pry bar with handle | 965 | |
| **1** tin snips 250 mm | 1112 | |
| **1** electrician's scissors, straight blades | 1128BMX | |
| **1** engineer's hammer 1000 g | 1370 | |
| **1** metric feeler gauge | 1708/20 | |
| **1** telescopic magnet with flexible head | 1712 | |
| **1** telescopic joint inspection mirror | 1715 | |
| **1** three - cutting edges scraper 200 mm | 1717B | |
| **1** hacksaw frame, aluminium handle 440 mm | 1726 | |
| **1** Steel wire brush | 1737NX | |
| **1** metal oil can 200 cl | 1751 | |
| **1** snap - off blade utility knife | 1771 | |

**5908VG/2T** 059081017

**Assortment recommended in combination with RSC28**

T63

T59

T209

# 5910VG/3T

assortment of 202 tools in ABS thermoformed trays

## ► Car repairs

| Quantity/Description | | Beta N. | TR |
|---|---|---|---|
| 16 | combination wrenches 6÷21 mm | 42 | T05 |
| 5 | combination wrenches 22 - 24 - 27 - 30 - 32 mm | 42 | T06 |
| 6 | double swivel end socket wrenches 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18X19 mm | 80 | T79 |
| 1 | adjustable oil filter wrench 110 mm | 1491 | T264 |
| 1 | square oil drain plug socket ■ 10 mm | 1494 | T264 |
| 7 | male hexagon oil drain plug sockets ○ 8-9-10-11-12-14-17 mm | 1494E | T264 |
| 4 | male square oil drain plug sockets ○ 8-9,5-12-13 mm | 1494Q | T264 |
| 1 | male triangular oil drain plug socket Δ | 1494T | T264 |
| 1 | male oil drain plug socket with XZN® profile ○ | 1494XZN | T264 |
| 1 | oil plug wrenches | 1496/C | T264 |
| 5 | 1/2" drive, socket drivers for hexagon screws ○ 5 - 6 - 8 - 10 - 12 mm | 920ME | T80 |
| 1 | 1/2" drive extension bar 125 mm | 920/21 | T80 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 | T80 |
| 1 | 1/2" drive universal joint | 920/25 | T80 |
| 1 | 1/2" drive sliding T-handle | 920/42 | T80 |
| 1 | 1/2" drive reversible ratchet | 920/55 | T80 |
| 19 | 1/2" square drive hexagon sockets ○ 10÷24 - 26 - 27 - 30 - 32 mm | 920A | T80 |
| 1 | circlip pliers straight, internal ○ 180 mm | 1032 | T145 |
| 1 | circlip pliers bent, internal ○ 170 mm | 1034 | T145 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 | T145 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 | T145 |
| 1 | circlip pliers straight, internal ○ 140 mm | 1032 | T146 |
| 1 | circlip pliers bent, internal ○ 225 mm | 1034 | T146 |
| 1 | circlip pliers straight, external ● 140 mm | 1036 | T146 |
| 1 | circlip pliers bent, external ● 225 mm | 1038 | T146 |
| 6 | drivers for Torx® head screws, with handles ✪ T10-T15-T20-T25-T27-T30 | 97TTX | T55 |
| 12 | swivel end ratcheting combination wrenches 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm | 142SN | T46 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM | T137 |
| 1 | Extra-long needle nose pliers ◖ 160 mm | 1166BM | T137 |
| 1 | Heavy-duty diagonal cutting nippers ⟨ 160 mm | 1084BM | T137 |
| 1 | slip joint pliers, push button alignment 240 mm | 1047 | T151 |
| 1 | self - locking pliers 240 mm | 1057A | T151 |
| 8 | T - handle wrenches with swivelling socket ○ 7 - 8 - 10 - 12 - 13 - 14 - 17 - 19 mm | 952 | T63 |
| 9 | screwdrivers for slotted head screws ◖ 3x75 - 3,5x100 - 4x100 - 4x150 - 5,5x100 - 5,5x150 - 6,5x150 - 8x150 - 10x200 mm | 1260 | T167 |
| 2 | screwdrivers for slotted head screws, extra-short series ◖ 4x30 - 6,5x30 mm | 1260N | T167 |
| 6 | pin punches | 31/B6 | |
| 7 | screwdrivers for cross head Phillips® screws ✪ PH0x60 - PH0x100 - PH1x80 - PH1x120 - PH2x100 - PH2x150 -PH3x150 mm | 1262 | T168 |
| 2 | screwdrivers for cross head Phillips® screws, extra - short series ✪ PH1x30 - PH2x30 mm | 1262N | T168 |
| 1 | adjustable wrench 250 mm | 111 | T59 |
| 1 | 1/2" drive swivel T-handle | 920/40 | T59 |
| 6 | T-handle wrenches with hexagon male ends ○ 2,5-3-4-5-6-8 mm | 951 | T59 |
| 4 | T handle wrenches with swivelling hexagon male ends ○ 4-5-6-8 mm | 953 | T59 |
| 2 | engineer's hammer 300-500 g | 1370 | T59 |
| 2 | screwdriver for cross head Phillips® screws, long series ✪ PH1x400 - PH2x400 mm | 1262L | T209 |
| 3 | screwdriver for headless slotted screws, long series ◖ 3x300 - 4x400 - 5x400 mm | 1264L | T209 |
| 9 | ball head offset hexagon key wrenches ○ | 96BPC/SC9 | |
| 1 | click-type torque wrenches with reversible ratchets 8 ÷ 60 Nm | 666N/5 | |
| 1 | click-type torque wrenches with reversible ratchets 60 ÷ 330 Nm | 666N/30 | |
| 12 | impact sockets | 720/C12 | |
| 1 | adaptor, 1/2" female and 3/8" male drives | 910/16 | |
| 1 | assortment of 12 sockets and 5 accessories 3/4" | 928A/C12 | |
| 3 | lever with articulated, flat, curved head | 966/C3 | |
| 1 | dead blow hammer Ø 50 mm | 1392 | |
| 1 | Reversible impact wrench, made from composite material 1/2" | 1927P | |

5910VG/3T 059101068

**Assortment recommended for use with item C30M**

MB12

MB39

MB46

## 5935VG/1MB

assortment of 98 tools for tool chest C35, in EVA foam trays

### ► Car repairs

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 21 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32 mm | 42 | MB12 |
| 8 | double open end wrenches 6x7-8x9-10x11-12x13-14x15 16x17-18x19-20x22 mm | 55 | MB12 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | MB12 |
| 4 | screwdrivers for slotted head screws ◖ 3x75-4x100-5x125-6,5x150 mm | 1260 | MB46 |
| 3 | screwdrivers for cross head Phillips® screws ✪ PH0x60-PH1x80--PH2x100 mm | 1262 | MB46 |
| 6 | drivers for Torx® head screws ✪ T8-T10-T15-T20-T25-T30 | 1267TX | MB46 |
| 9 | ball head offset hexagon key wrenches ○ | 96BPC/SC9 | MB46 |
| 6 | offset hexagon key wrenches ○ 2-2,5-3-4-5-6 | 96T | MB46 |
| 1 | self - locking pliers 240 mm | 1052 | MB46 |
| 19 | 1/2" square drive hexagon sockets ◎ 10-11-12-13-14-15-16-17-18-19 20-21-22-23-24-26-27-30-32 mm | 920A | MB39 |
| 1 | 1/2" drive extension bar 125 mm | 920/21 | MB39 |
| 1 | 1/2" drive extension bar 250 mm | 920/22 | MB39 |
| 1 | 1/2" drive universal joint | 920/25 | MB39 |
| 1 | 1/2" drive sliding T-handle | 920/42 | MB39 |
| 1 | 1/2" drive reversible ratchet ⊛ | 920/55 | MB39 |
| 5 | socket drivers for hexagon screws ○ 5-6-8-10-12 mm | 920PE | MB39 |
| 1 | circlip pliers straight, internal ◌ 180 mm | 1032 | MB39 |
| 1 | circlip pliers bent, internal ◌ 170 mm | 1034 | MB39 |
| 1 | circlip pliers straight, external ● 175 mm | 1036 | MB39 |
| 1 | circlip pliers bent, external ● 175 mm | 1038 | MB39 |
| 1 | flat chisels, ribbed type 200 mm | 35 | MB39 |
| 1 | Heavy-duty diagonal cutting nippers ⧓ 160 mm | 1084BM | MB39 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM | MB39 |
| 1 | Extra-long needle nose pliers ◖ 160 mm | 1166BM | MB39 |
| 1 | engineer's hammer 500 g | 1370 | MB39 |
| 1 | soft face hammer 35 mm | 1390 | MB39 |

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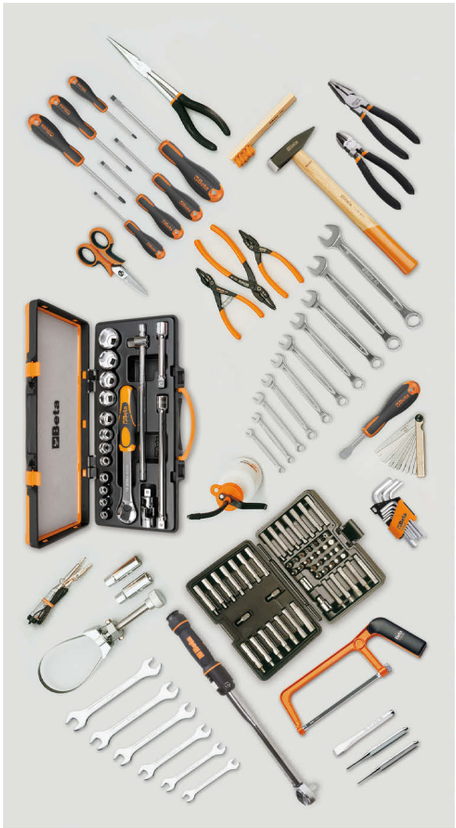
|---|---|
| **5935VG/1MB** | 059351321 |

**Assortment recommended in combination with C35**



## 5940SBK

assortment of 125 tools

### ► Motorcycle repairs

| Quantity | Description | Beta N. |
|---|---|---|
| 1 | drift punches Ø 2 mm | 30 |
| 1 | centre punch Ø 4 mm | 32 |
| 1 | flat chisels 125 mm | 34 |
| 10 | combination wrenches 6 - 7 - 8 - 10 - 11 - 12 - 13 - 14 - 17 - 19 mm | 42 |
| 6 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 mm | 55 |
| 9 | offset hexagon key wrenches ○ 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm | 96/SC9 |
| 1 | click-type torque wrenches with reversible ratchets ⊛ 3/8", 8÷60 Nm | 666N/5 |
| 54 | assortment of 52 hexagon bits, 10 mm, and 2 accessories | 867/C52 |
| 17 | assortment of 12 sockets and 5 accessories | 920A/C12X |
| 1 | adaptor, 1/2" female and 3/8" male drives | 910/16 |
| 2 | spark plug socket ◎ 14 - 16 mm | 956C |
| 1 | extra - long nose pliers ◖ 283 mm | 1009L/A |
| 2 | circlip pliers straight, internal ◌ 140 - 180 mm | 1032 |
| 1 | circlip pliers straight, external ● 140x1,3 mm | 1036 |
| 1 | diagonal cutting nippers, slip-proof double layer PVC coated handles, industrial finish ⧓ 160 mm | 1082G |
| 1 | electrician's scissors, straight blades | 1128BM |
| 1 | heavy duty combination pliers, slip-proof double layer PVC coated handles, industrial finish 〓 180 mm | 1150G |
| 1 | screwdriver for Dzus® head screws ◖ | 1201E/DZ |
| 4 | screwdriver for slotted head screws ◖ 3x75 - 4x100 - 5,5x100 - 6,5x150 mm | 1201E |
| 3 | screwdriver for cross head Phillips® screws ✪ PH0x60 - PH1x80 - PH2x100 mm | 1202E |
| 1 | circuit testing screwdriver ◖ | 1254 |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | adjustable oil filter wrench | 1491 |
| 1 | metric feeler gauge | 1708/13 |
| 1 | mini hacksaw frame | 1725CR |
| 1 | Brass wire brush | 1737 |
| 1 | plastic oil can 250 cc | 1754 |

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|---|---|
| **5940SBK** | 059401082 |

**Assortment recommended for use with items C41S - C41H - C42S - C42H - C42S - C41S**

MC21

MC12

# 5941VU/M

assortment of 64 tools for trolley C41H, in EVA foam trays

## ► Universal use

| Quantity/Description | | Beta N. | TR |
|---|---|---|---|
| **16** | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-21-22 mm | 42 | **MC12** |
| **9** | offset hexagon key wrenches ○ | 96/SC9 | **MC12** |
| **1** | measuring tape 5 m | 1692/5 | **MC12** |
| **19** | 1/2" square drive hexagon sockets ◎ 10-11-12-13-14-15-16-17-18 19-20-21-22-23-24-26-27-30-32 mm | 920A | **MC21** |
| **1** | 1/2" drive universal joint | 920/25 | **MC21** |
| **1** | 1/2" drive sliding T-handle | 920/42 | **MC21** |
| **1** | 1/2" drive reversible ratchet ⓡ | 920/55 | **MC21** |
| **2** | 1/2" wobble extension bar 125-250 mm | 920AN | **MC21** |
| **1** | adjustable wrench 250 mm | 111 | |
| **1** | Slip joint pliers boxed joints 250 mm | 1048 | |
| **1** | ⊱ 160 mm | 1082GBM | |
| **1** | electrician's scissors, straight blades 145 mm | 1128BMX | |
| **1** | heavy duty combination pliers, bi-material handles, industrial finish 〓 180 mm | 1150GBM | |
| **1** | extra-long needle knurled nose pliers, bi-material handles, industrial finish ◖ 160 mm | 1166GBM | |
| **3** | screwdrivers for slotted head screws ◖ 3,5x100-5,5x125-6,5x150 mm | 1260 | |
| **3** | screwdrivers for cross head Phillips® screws ✪ PH0-PH1-PH2 | 1262 | |
| **1** | engineer's hammer 300 g | 1370 | |
| **1** | snap - off blade utility knife 18 mm | 1771 | |

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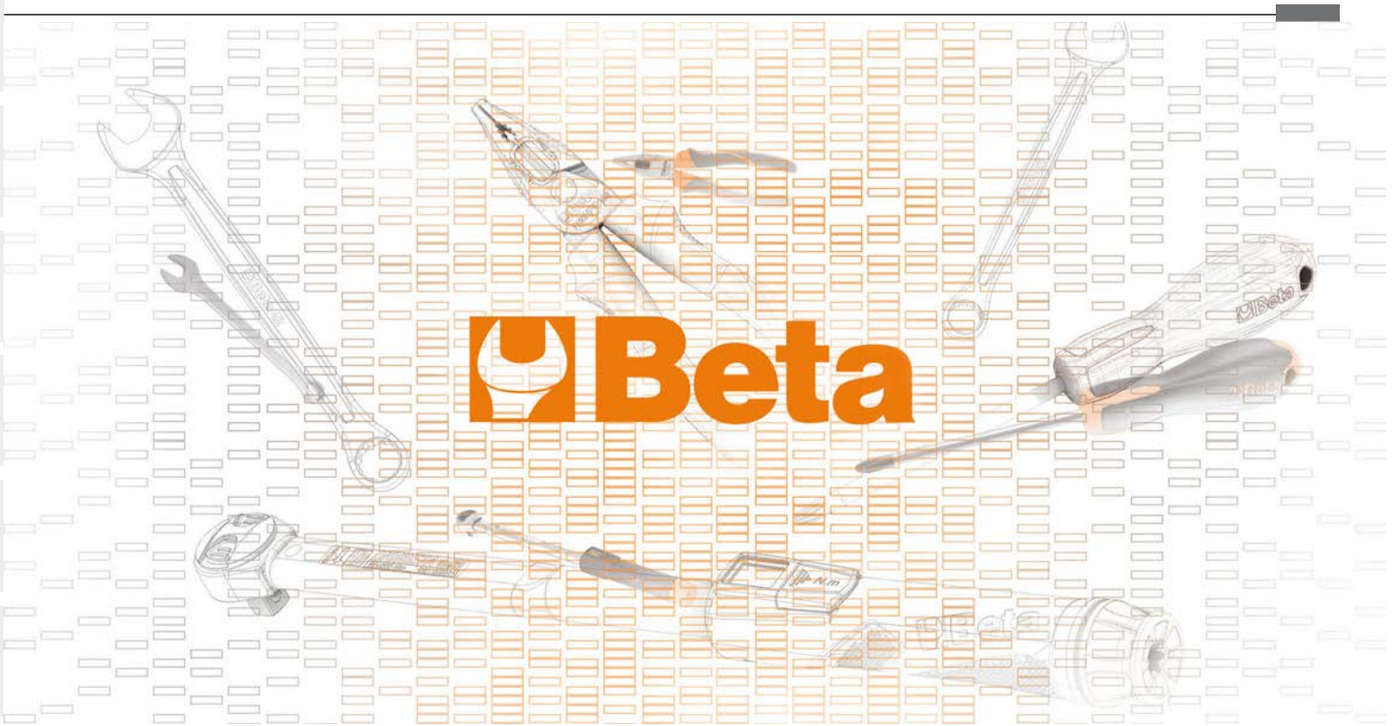
| **5941VU/M** | 059411002 |

**Assortment recommended in combination with C41H**



MM11

MM61

MM105

MM140

MM210

# 5945VUM

assortment of 231 tools in EVA foam trays

## ► Universal use

| Quantity | Description | Beta N. | TR |
|---|---|---|---|
| 21 | combination wrenches 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32 mm | 42 | MM11 |
| 9 | ball head offset hexagon key wrenches ○ 1,5-2-2,5-3-4-5-6-8-10 mm | 96BPC/SC9 | MM11 |
| 8 | offset hexagon key wrenches ○ 2-2,5-3-4-5-6-7-8 mm | 96T | MM61 |
| 1 | engineer's hammer 300 g | 1370 | MM61 |
| 1 | soft face hammer Ø 35 | 1390 | MM61 |
| 2 | flat chisels, ribbed type 100-200 mm | 35 | MM61 |
| 5 | second cut files 200 mm | 1719BMA8/S5 | MM61 |
| 1 | socket holder ⎔ 1/4 - □ 1/4 | 895/1 | MM105 |
| 1 | socket holder ⎔ 1/4 - □ 3/8 | 895/3 | MM105 |
| 1 | socket holder ⎔ 5/16 - □ 1/2 | 895/6 | MM105 |
| 13 | 1/4" hexagon sockets ⎔ 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | 900 | MM105 |
| 9 | hexagon hand sockets, long series ⎔ 5-6-7-8-9-10-11-12-13 mm | 900L | MM105 |
| 5 | 1/4" socket drivers for hexagon screws ○ 3-4-5-6-7 mm | 900ME | MM105 |
| 4 | socket drivers for slotted head screws ◖ 0,8x4-1x5,5x1,2x6,5-1,2x8 mm | 900LP | MM105 |
| 4 | socket drivers for cross head Phillips® screws ✪ PH1-PH2-PH3-PH4 | 900PH | MM105 |
| 7 | socket drivers for Torx® head screws ✪ T10-T15-T20-T25-T27-T30-T40 | 900TX | MM105 |
| 1 | adaptor, 1/4" female and 3/8" male drives □ 1/4 - ■ 3/8 | 900/16 | MM105 |
| 1 | 1/4" drive extension bar 50 mm | 900/20 | MM105 |
| 1 | 1/4" drive extension bar 100 mm | 900/20L | MM105 |
| 1 | 1/4" drive extension bar 150 mm | 900/21 | MM105 |
| 1 | 1/4" drive universal joint | 900/25 | MM105 |
| 1 | 1/4" drive spinner handle 176 mm | 900BG/30 | MM105 |
| 1 | 1/4" drive swivel T-handle 115 mm | 900/42 | MM105 |
| 1 | 1/4" reversible ratchet ⓡ 125 mm | 900/55 | MM105 |
| 17 | hexagon hand sockets 3/8" ⎔ 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm | 910A | MM105 |
| 1 | adaptor, 3/8" female and 1/4" male drivers □ 3/8 - ■ 1/4 | 910/15 | MM105 |
| 1 | adaptor, 1/2" female and 3/8" male drives □ 3/8 - ■ 1/2 | 910/16 | MM105 |
| 1 | extension bar - 3/8" 125 mm | 910/21 | MM105 |
| 1 | extension bar - 3/8" 250 | 910/22 | MM105 |
| 1 | 3/8" drive universal joint | 910/25 | MM105 |
| 1 | 3/8" drive sliding T - handle 210 mm | 910/42 | MM105 |
| 1 | 3/8" drive reversible ratchet ⓡ 200 mm | 910/55 | MM105 |
| 21 | 1/2" square drive hexagon sockets ⎔ 8-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 mm | 920A | MM105 |
| 1 | adaptor, 1/2" female and 3/8" male drives □ 1/2 - ■ 3/8 | 920/15 | MM105 |
| 1 | 1/2" drive universal joint | 920/25 | MM105 |
| 1 | 1/2" wobble extension bar 125 mm | 920AN | MM105 |
| 1 | 1/2" wobble extension bar 250 mm | 920AN | MM105 |
| 1 | 1/2" drive sliding T-handle 305 mm | 920/42 | MM105 |
| 1 | 1/2" drive reversible ratchet ⓡ 275 mm | 920/55 | MM105 |
| 3 | 3/8" square drive spark plug sockets ⎔ 16 mm (5/8")-17,8 (11/16")-20,8 (13/16") | 956E | MM105 |
| 5 | drivers for Torx® head screws, with handles ✪ T10-T15-T20-T25-T30 | 97TTX | MM140 |
| 1 | Heavy-duty diagonal cutting nippers ⧓ 160 mm | 1084BM | MM140 |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM | MM140 |
| 1 | Extra-long needle nose pliers ◖ 160 mm | 1166BM | MM140 |
| 1 | circlip pliers straight, internal ⌓ 19÷60 mm | 1032 | MM140 |
| 1 | circlip pliers bent, internal ⌓ 19÷60 mm | 1034 | MM140 |
| 1 | circlip pliers straight, external ● 19÷60 mm | 1036 | MM140 |
| 1 | circlip pliers bent, external ● 19÷60 mm | 1038 | MM140 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 | MM140 |
| 1 | self - locking pliers 240 mm | 1052 | MM140 |
| 38 | microscrewdriver with 36 interchangeable 4-mm bits and magnetic extension | 1256/C36-2 | MM140 |
| 6 | screwdriver for slotted head screws ◖ 04x2,5x50-0,5x3x75-0,8x4x100-1,0x5,5x125-1,2x6,5x150-1,2x8x200 mm | 1201E | MM210 |
| 1 | screwdriver for slotted head screws, extra-short series ◖ 0,8x4x30 mm | 1201EN | MM210 |
| 4 | screwdriver for cross head Phillips® screws ✪ PH0x60-PH1x80PH2x100PH3x150 mm | 1202E | MM210 |
| 1 | screwdriver for cross head Phillips® screws, extra-short series ✪ PH1x30 mm | 1202EN | MM210 |
| 12 | screwdrivers for Torx® head screws, with handles ✪ T06-T07-T08-T09-T10-T15-T20-T25-T27-T30-T40-T45 | 1207E/TX | MM210 |
| 1 | mains testing screwdriver ◖ 0,5x3,5x100 mm | 1253 | MM210 |

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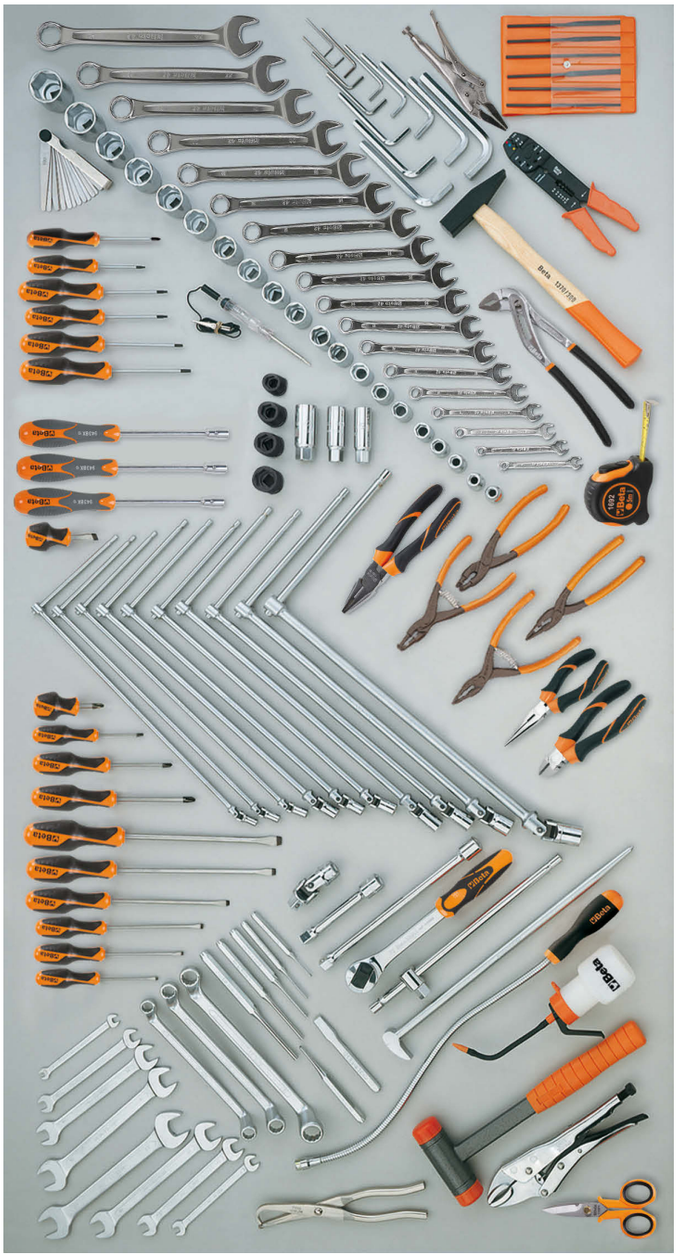
| 5945VU/M | 059451001 |

**Assortment recommended in combination with item C45**



# 5954VG

assortment of 138 tools

## ► Car repairs

| Quantity/Description | | Beta N. |
|---|---|---|
| 5 | pin punches Ø 2-3-4-5-6 mm | 31 |
| 1 | centre punch Ø 4 mm | 32 |
| 1 | flat chisels 125 mm | 34 |
| 18 | combination wrenches 6÷22 - 24 mm | 42 |
| 8 | double open end wrenches 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm | 55 |
| 3 | double ended offset ring wrenches 12x13 - 14x15 - 17x19 mm | 90 |
| 13 | offset hexagon key wrenches ○ 2÷10 - 12 mm | 96 |
| 4 | 1/2" drive impact sockets ○ 17 - 19 - 21 - 22 mm | 720 |
| 20 | 1/2" square drive hexagon sockets ○ 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 mm | 920A |
| 1 | 1/2" drive extension bar | 920/21 |
| 1 | 1/2" drive extension bar | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive reversible ratchet | 920/55 |
| 3 | hi-torque hexagon nut spinners, long series ○ 8 - 10 - 13 mm | 943BX |
| 10 | T - handle wrenches with swivelling socket ○ 6 - 7 - 8 - 10 - 11 - 12 - 13 - 14 - 17 - 19 mm | 952 |
| 3 | spark plug socket ○ 16 - 17,8 - 20,8 mm | 956C |
| 1 | pry bar | 964 |
| 1 | circlip pliers straight, internal | 1032 |
| 1 | circlip pliers bent, internal | 1034 |
| 1 | circlip pliers straight, external | 1036 |
| 1 | circlip pliers bent, external | 1038 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | adjustable self locking pliers, long jaws 175 mm | 1058 |
| 1 | Diagonal cutting nippers 160 mm | 1082BM |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | half-round needle nose pliers 180 mm | 1150BM |
| 1 | Extra-long needle nose pliers 160 mm | 1166BM |
| 1 | circuit testing screwdriver 6÷24V | 1254 |
| 1 | screwdrivers for slotted head screws 8 x 200 mm | 1260 |
| 1 | screwdrivers for slotted head screws, extra-short series 6,5x30 mm | 1260N |
| 1 | screwdrivers for cross head Phillips® screws 8 x 150 mm | 1262 |
| 1 | screwdrivers for cross head Phillips® screws, extra - short series PH2x30 mm | 1262N |
| 5 | drivers for Torx® head screws T8 - T10 - T15 - T20 - T25 | 1267TX |
| 8 | set of screwdrivers | 1263/D8 |
| 1 | engineer's hammer 300 g | 1370 |
| 1 | dead blow hammer Ø 35 mm | 1392 |
| 1 | brake spring pliers 210 mm | 1470 |
| 1 | crimping pliers for non insulated terminals | 1603 |
| 1 | measuring tape 5 m | 1692 |
| 1 | metric feeler gauge | 1708/20 |
| 1 | flexible magnetic pick-up tool 1,8 kg | 1712E/2 |
| 6 | needle files 160 mm | 1720/B6 |
| 1 | plastic oil can 150 cc | 1754 |

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| 5954VG | 059541054 |

**Assortment recommended in combination with C54VG**

# 5957VG

assortment of 174 tools

## ► Car repairs

| Quantity | Description | Beta N. |
|---|---|---|
| 6 | pin punches Ø 2 - 3 - 4 - 5 - 6 - 8 mm | 31/SP6 |
| 6 | 2 drift punches, 1 centre punch, 3 flat chisels with metal holder | 38/SP6 |
| 17 | combination wrenches 6-7-8-10-11-12-13-14-15-16-17-19-21-22-24-27-30 mm | 42 |
| 12 | double open end wrenches 6x7 ÷ 30x32 mm | 55/S12X |
| 8 | offset hexagon key wrenches 2 ÷ 10 mm | 96T/S8 |
| 1 | offset hexagon key wrenches ○ 2,5 ÷ 12 mm | 96N/G7 |
| 8 | offset key wrenches, for Torx® head screws ✪ T9 ÷ T40 | 97TX/SC8 |
| 5 | offset key wrenches with XZN® profile ○ M5 ÷ M12 | 98XZN/B5 |
| 1 | adjustable wrench 250 mm | 111 |
| 1 | click-type torque wrenches with reversible ratchets ⓡ 1/2", 40÷200 Nm | 666N/20 |
| 13 | 1/2" square drive hexagon sockets with rail ◎ 10÷22 mm | 920A/SB13 |
| 8 | 1/2" square drive hexagon sockets with rail ◎ 23÷32 mm | 920A/SB8 |
| 4 | 1/2" socket drivers for slotted head screws ◖ 1,2x6,5 - 1,2x8 - 1,6x9 - 2x12 mm | 920LP |
| 3 | 1/2" socket drivers for Phillips® screws ✪ PH2 - 3 - 4 | 920PH |
| 1 | 1/2" drive extension bar 125 mm | 920/21 |
| 1 | 1/2" drive extension bar 255 mm | 920/22 |
| 1 | 1/2" drive universal joint | 920/25 |
| 1 | 1/2" drive sliding T-handle | 920/42 |
| 1 | 1/2" drive reversible ratchet ⓡ | 920/55 |
| 2 | 1/2" drive impact sockets ◎ 17 - 19 mm | 720 |
| 10 | T - handle wrenches with swivelling socket ◎ 7 - 8 - 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 mm | 952 |
| 3 | T - handle swivel spark plug wrenches 14 - 16 - 20,8 mm | 959 |
| 1 | pry bar | 963 |
| 1 | wheel nut wrench ◎ ■ 1/2" - 17 - 19 - 22 mm | 979 |
| 2 | circlip pliers straight, internal ⊙ 140 - 180 mm | 1032 |
| 2 | circlip pliers bent, internal ⊙ 130 - 170 mm | 1034 |
| 2 | circlip pliers straight, external ● 140x1,3 - 175 mm | 1036 |
| 2 | circlip pliers bent, external ● 135x1,3 - 175 mm | 1038 |
| 1 | Slip joint pliers boxed joints 250 mm | 1048 |
| 1 | self - locking pliers 240 mm | 1052 |
| 1 | Diagonal cutting nippers ⧓ 160 mm | 1082BM |
| 1 | Heavy-duty diagonal cutting nippers ⧓ 160 mm | 1084BM |
| 1 | toggle lever assisted end cutting nippers ⧓ 180 mm | 1092V |
| 1 | tin snips 250 mm | 1112 |
| 1 | electrician's scissors, straight blades | 1128BMX |
| 1 | half-round needle nose pliers 〓 180 mm | 1150BM |
| 1 | Extra-long needle nose pliers ◖ 160 mm | 1166BM |
| 1 | Extra-long bent needle nose pliers ◖ 200 mm | 1168BM |
| 2 | screwdrivers for slotted head screws ◖ 8x200 - 10x200 mm | 1260 |
| 1 | screwdrivers for cross head Phillips® screws ✪ PH3x150 mm | 1262 |
| 8 | set of screwdrivers | 1263/D8 |
| 2 | engineer's hammer 300 - 600 g | 1370 |
| 1 | soft face hammer Ø 35 mm | 1390 |
| 11 | roller stud extractors M5÷M16 mm | 1433/C11 |
| 1 | adjustable oil filter wrench | 1491 |
| 1 | circuit tester | 1498 |
| 1 | measuring tape 5 m | 1692 |
| 1 | metric feeler gauge | 1708/20 |
| 1 | flexible magnetic pick-up tool 1,8 kg | 1712E/2 |
| 1 | two cutting edges scraper 200 mm | 1717A |
| 1 | three - cutting edges scraper 200 mm | 1717B |
| 5 | second cut files 200 mm | 1719BMA8/S5 |
| 1 | hacksaw frame, aluminium handle | 1725 |
| 1 | metal oil can 200 cc | 1751 |
| 1 | snap - off blade utility knife | 1771 |
| 1 | sliding gauge | 1650 |

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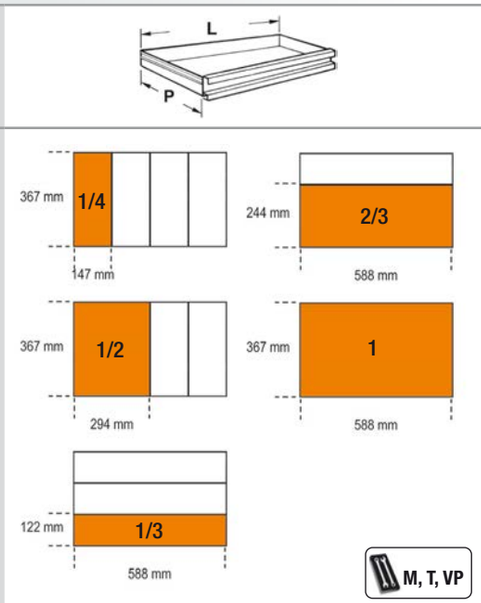
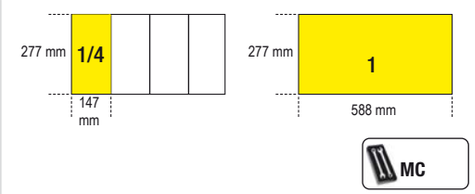
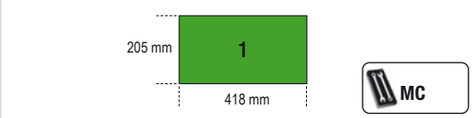
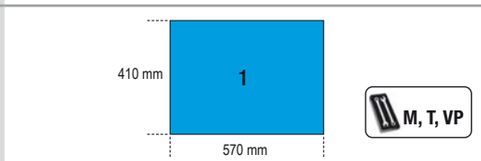
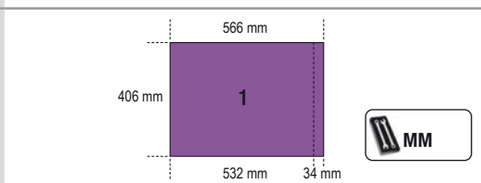
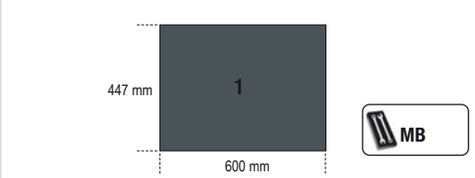
| **5957VG** | 059571007 |

**Assortment recommended for use with items C57S A - C57S B - C57SP - C55PSP**

# SOFT
# MODULES

## Assortment of tools in thermoformed trays, designed for roller cabs

| | | |
|---|---|---|
| RSC23T<br>RSC24<br>RSC24A<br>RSC24AXL<br>RSC24L/7<br>RSRSC28<br>C30M<br>C37<br>C39<br>C39T<br>C39MD<br>C39SM<br>C50S<br>C57S<br>C59<br>RSC55 |  | 479÷488<br>493÷503 |
| RSC22<br>RSC23<br>RSC23C<br>C27S |  | 489<br>503 |
| C41S<br>C41H |  | 489 |
| C04TSS<br>C38<br>C38T |  | 492<br>503 |
| C45PRO |  | 491 |
| C35 |  | 489÷491 |

## M01

22

| | |
|---|---|
| **42** | 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32-36 mm |

4,5 kg

| | |
|---|---|
| **M01** | 1 024500001 |
| **MV10** | 1 024510010 |

## M02

26

| | |
|---|---|
| **42** | 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-32 mm |

6,3 kg

| | |
|---|---|
| **M02** | 1 024500002 |
| **MV02** | 1 024510002 |

## M05

16

| | |
|---|---|
| **42** | 6-7-8-9-10-11-12 13-14-15-16-17 18-19-20-21 mm |

1,5 kg

| | |
|---|---|
| **M05** | 1 024500005 |
| **MV15** | 1 024510015 |

## M06

5

| | |
|---|---|
| **42** | 22-24-27-30-32 mm |

2,1 kg

| | |
|---|---|
| **M06** | 1 024500006 |
| **MV16** | 1 024510016 |

## M13

11

| | |
|---|---|
| **42SLIM** | 8-10-11-12 13-14-15-16-17 18-19 mm |

1,2 kg

| | |
|---|---|
| **M13** | 1 024500013 |
| **MV13** | 1 024510013 |

## M25

40

| | |
|---|---|
| **42** | 6-7-8-9-10-11-12-13-14-15-16-17-18-19-21-22-24-27 mm |
| **90** | 6x7-8x9-10x11-12x13-14x15-16x17-18x19 mm |
| **123Q1/4** | |
| **123Q3/8** | |
| **123Q1/2** | |
| **142** | 8-9-10-11-12-13-14-15-16-17-18-19 mm |

5,1 kg

| | |
|---|---|
| **M25** | 1 024500025 |
| **MV25** | 1 024510873 |

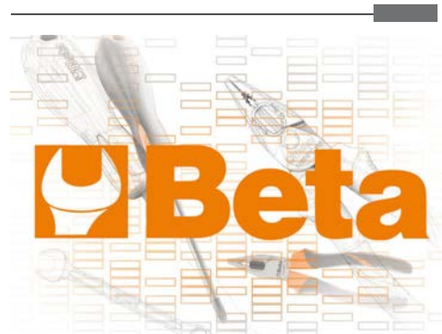
## M30

31

| | |
|---|---|
| **55** | 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x27-30x32 mm |
| **90** | 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x27-30x32 mm |
| **○ 96BPC/SC9** | 1,5-2-2,5-3-4-5-6-8-10 mm |

4,2 kg

| | |
|---|---|
| **M30** | 1 024500030 |
| **MV30** | 1 024510030 |



## M31

27

| | |
|---|---|
| **42AS** | 1/4-9/32-5/16-3/8-7/16-1/2-9/16-19/32-5/8-11/16-3/4-13/16-7/8-15/16-1-1.1/16-1.1/8-1.1/4 |
| **○ 96BP/AS-SC9** | 1/16-3/32-1/8-5/32-3/16-7/32-1/4-5/16-3/8 |

4,5 kg

| | |
|---|---|
| **M31** | 1 024500031 |
| **MV31** | 1 024510031 |

## M33

17

| | |
|---|---|
| **55** | 6x7-8x9-10x11 12x13-14x15 16x17-18x19 20x22 mm |
| **○ 96/SC9** | 1,5÷10 mm |

1,1 kg

| | |
|---|---|
| **M33** | 1 024500033 |
| **MV33** | 1 024510033 |

## M38

4

| | |
|---|---|
| **55** | 21x23-24x26 27x29-30x32 mm |

1,7 kg

| | |
|---|---|
| **M38** | 1 024500038 |
| **MV38** | 1 024510038 |

## M39

36

| | |
|---|---|
| **31** | 2-3-4-5-6-8 mm |
| **32** | 4 mm |
| **55** | 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32 mm |
| **96/SC12** | 2-2,5-3-3,5-4-4,5-5-6-7-8-9-10 mm |
| **96** | 12-14-17-19 mm |

5,7 kg

| | |
|---|---|
| **M39** | 1 024500039 |
| **MV39** | 1 024510039 |

## M40

7

| | |
|---|---|
| **90** | 6x7-8x9-10x11<br>12x13-14x15<br>16x17-18x19 mm |

810 g

| | |
|---|---|
| **M40** | 1 024500040 |
| **MV40** | 1 024510040 |

## M44

12

| | |
|---|---|
| **141** | 8-9-10-11-12<br>13-14-15-16<br>17-18-19 mm |

1,3 kg

| | |
|---|---|
| **M44** | 1 024500044 |
| **MV44** | 1 024510044 |

## M45

12

| | |
|---|---|
| **142** | 8-9-10-11-12<br>13-14-15-16<br>17-18-19 mm |

1,3 kg

| | |
|---|---|
| **M45** | 1 024500045 |
| **MV45** | 1 024510045 |

## M46

12

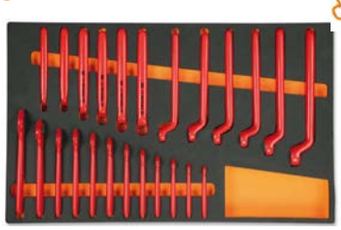
| | |
|---|---|
| **142SN** | 8-9-10-11-12<br>13-14-15-16<br>17-18-19 mm |

1,4 kg

| | |
|---|---|
| **M46** | 1 024500046 |
| **MV46** | 1 024510046 |

## M49

24



| | |
|---|---|
| **52MQ** | 7-8-10-11-12-13-14-15-16-17-19-22 mm |
| **89MQ** | 7-8-10-11-12-13-14-15-16-17-19-22 mm |

3,3 kg

| | |
|---|---|
| **M49** | 1 024500049 |
| **MV49** | 1 024510049 |

## M50

8

| | |
|---|---|
| **96T** | 2-2,5-3-4-5<br>6-7-8 mm |

1,1 kg

| | |
|---|---|
| **M50** | 1 024500050 |
| **MV50** | 1 024510051 |

## M52

5

| | |
|---|---|
| **96T** | 2,5-3-4-5-6 mm |

330 g

| | |
|---|---|
| **M52** | 1 024500052 |
| **MV52** | 1 024510052 |

## M53

5

| | |
|---|---|
| **96TBP** | 2,5-3-4-5-6 mm |

350 g

| | |
|---|---|
| **M53** | 1 024500053 |
| **MV52** | 1 024510052 |

## M55

5

| | |
|---|---|
| **97TTX** | T10-T15-T20-T25-T30 |

330 g

| | |
|---|---|
| **M55** | 1 024500055 |
| **MV55** | 1 024510055 |

## M60

23

| | |
|---|---|
| 96T | 2-2,5-3-4-5-6-7-8-10 mm |
| 97BTX/SC8 | T9-T10-T15-T20-T25-T27-T30-T40 |
| 944BX | 5-6-7-8-10-13 mm |

1,9 Kg

| | |
|---|---|
| M60 | 1 024500060 |
| MV60 | 1 024510060 |

## M62

21

| | |
|---|---|
| 97TTX | T10-T15-T20-T25-T27-T30-T40-T45-T50 |
| 1032 | 180 mm |
| 1034 | 170 mm |
| 1036 | 175 mm |
| 1038 | 175 mm |
| 1177BM | 140 mm |
| 1188BM | 125 mm |
| 1257LP | 2-2,5-3-3,5 mm |
| 1257PH | 0-00 |

2,3 kg

| | |
|---|---|
| M62 | 1 024500875 |
| MV62 | 1 024510875 |

## M63

8

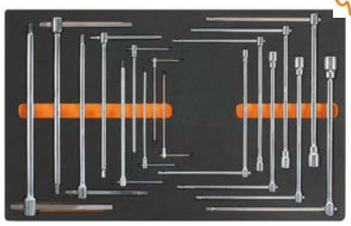
952 7-8-10-12-13-14-17-19 mm

3,4 kg

| | |
|---|---|
| M63 | 1 024500063 |
| MV63 | 1 024510063 |

## M65

16



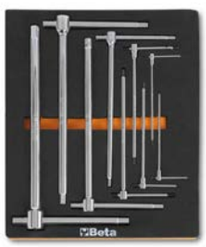
| | |
|---|---|
| 950 | 8-10-12-13-14-17-19 mm |
| 951 | 2,5-3-4-5-6-8-10-12-14 mm |

3,6 Kg

| | |
|---|---|
| M65 | 1 024500065 |
| MV65 | 1 024510065 |

## M69

9



951 2,5-3-4-5-6-8 10-12-14 mm

1,8 kg

| | |
|---|---|
| M69 | 1 024500069 |
| MV69 | 1 024510069 |

## M75

16

933 7-8-9-10-11-12-13-14-15 16-17-18-19-21-22-24 mm

5,5 kg

| | |
|---|---|
| M75 | 1 024500075 |
| MV75 | 1 024510075 |

## M78

17

| | |
|---|---|
| 80 | 6x7-8x9-10x11-12x13-14x15-16x17-18x19 mm |
| 920/36A | |
| 965 | 450 mm |
| 1052 | 240 mm |
| 1058 | 175 mm |
| 1481PL/A | |
| 1481PL/B | |
| 1481PL/C | |
| 1650 | 150 mm |
| 1708/20 | |
| 1716P | |

4,4 kg

| | |
|---|---|
| M78 | 1 024500878 |
| MV77 | 1 024510876 |

## M79

6

80 8x9 -10x11-12x13 -14x15 16x17-18x19 mm

1,3 kg

| | |
|---|---|
| M79 | 1 024500079 |
| MV79 | 1 024510079 |

## M82

29

| | |
|---|---|
| 920A | 10-11-12-13-14 15-16-17-18-19 20-21-22-23-24 26-27-30-32 mm |
| 920ME | 5-6-8-10-12 mm |
| 920AN/125 | 125 mm |
| 920AN/250 | 250 mm |
| 920/25 | |
| 920/42 | 305 mm |
| 920/55 | |

12"

4,1 kg

| | |
|---|---|
| M82 | 1 024500082 |
| MV82 | 1 024510082 |

## M83

| | |
|---|---|
| 920A | 10-11-12-13-14 15-16-17-18-19 20-21-22-23-24 26-27-30-32 mm |
| 920AN/125 | 125 mm |
| 920AN/250 | 250 mm |
| 920/25 | 255 mm |
| 920/42 | 305 mm |
| 920/55 | |

24

3,7 kg

12"

| | |
|---|---|
| M83 | 1 024500083 |
| MV83 | 1 024510083 |

## M85

| | |
|---|---|
| 851SR | 230 mm |
| 860LP | 0,5x3 - 0,6x4,5 - 0,8x5,5 - 1x5,5 - 1,2x6,5 mm |
| 860PE | 2 - 2,5 -3 - 4 - 5 - 6 - 8 - 10 mm |
| 860PH | PH0 - PH1 - PH2 - PH3 - PH4 |
| 860PZ | PZ1 - PZ2 - PZ3 - PZ4 |
| 860TX | T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40 |
| 860RTX | T9-T10-T15-T20-T25-T27-T30-T40 |
| 860/55 | 100 mm |
| 882P | 80 mm |
| 892 | ■ 1/4 - □ 1/4 |

45

450 g

1/4

| | |
|---|---|
| M85 | 1 024500085 |
| MV85 | 1 024510085 |

## M86

| | |
|---|---|
| 867PE | 4-5-6-7-8-10-12 mm |
| 867PE/L | 4-5-6-7-8-10-12 mm |
| 867XZN | 5-6-8-10-12 mm |
| 867XZN/L | 5-6-8-10-12 mm |
| 867TX | T20-T25-T30-T40-T45-T50-T55 |
| 867TX/L | T25-T30-T40-T45-T50-T55 |
| 867RTX | T20-T25-T30-T40-T45-T50-T55 |
| 867/1 | |
| 867/2 | |

46

1,4 kg

10 mm

| | |
|---|---|
| M86 | 1 024500086 |
| MV86 | 1 024510086 |

## M91

| | |
|---|---|
| 900 | 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm |
| 900ME | 2,5-3-4-5-6-8 mm |
| 900/20 | 50 mm |
| 900/21 | 150 mm |
| 900/25 | □ 1/4 - ■ 1/4 |
| 900BG/30 | |
| 900/42 | |
| 900/55 | |

25

560 g

1/4"

| | |
|---|---|
| M91 | 1 024500091 |
| MV90 | 1 024510090 |

## M92

| | |
|---|---|
| 910A | 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/42 | |
| 910/55 | |

22

1,5 kg

3/8"

| | |
|---|---|
| M92 | 1 024500092 |
| MV92 | 1 024510092 |

## M94

| | |
|---|---|
| 900AS/L | 3/16-7/32-1/4-9/32-5/16-11/32-3/8-7/16-1/2-9/16 |
| 900AS | 3/16-7/32-5/32-1/4-9/32-5/16-11/32-3/8-7/16-1/2-9/16 |
| 900AN | 50-100mm |
| 900/25 | |
| 900/55 | |
| 900/42 | |

26

930 g

1/4"

| | |
|---|---|
| M94 | 1 024500094 |
| MV94 | 1 024510094 |

## M96

| | |
|---|---|
| 920A/AS | 3/8-7/16-1/2-9/16-19/32-5/8-11/16-3/4-25/32-13/16-7/8-15/16-1-1.1/16-1.1/18-1.3/16-1.1/4 |
| 920/25 | |
| 920AN | 125-250mm |
| 920/42 | |
| 920/55 | |

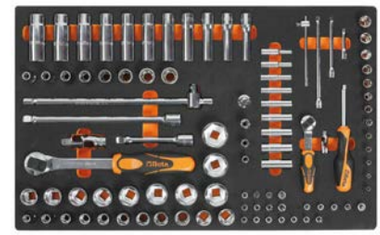
22

3,8 kg

12"

| | |
|---|---|
| M96 | 1 024500096 |
| MV96 | 1 024510096 |

## M100



98

| | |
|---|---|
| 895/1 | |
| 895/3 | |
| 895/6 | |
| 900 | 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm |
| 900L | 5-6-7-8-9-10-11-12-13 mm |
| 900ME | 3-4-5-6-7 mm |
| 900LP | 0,8x4-1x5,5-1,2x6,5-1,2x8 mm |
| 900PH | PH1-PH2-PH3-PH4 |
| 900TX | T10-T15-T20-T25-T27-T30-T40 |
| 900/20 | 50 mm |
| 900/20L | 100 mm |
| 900/21 | 150 mm |
| 900/25 | |
| 900BG/30 | |
| 900/42 | |
| 900/55 | |
| 920A | 8-10-11-12-13-14-15-16-17-18-19-20 21-22-23-24-26-27-28-30-32 mm |
| 920/15 | |
| 920/25 | |
| 920AN/125 | 125 mm |
| 920AN/250 | 250 mm |
| 920/42 | |
| 920/55 | |
| 920FTX | 10-12-14-16-18-20-22-24 mm |
| 920AL | 10-12-13-14-15-16-17-18-19-21-22 |

6,7 Kg

1/4" 1/2"

| | |
|---|---|
| M100 | 1 024500100 |
| MV100 | 1 024510100 |

## M105

116

| | |
|---|---|
| 900 | 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm |
| 900L | 5-6-7-8-9-10-11-12-13 mm |
| 96BPC/SC9 | 1,5-2-2,5-3-4-5-6-8-10 mm |
| 895/1 | |
| 895/3 | |
| 895/6 | |
| 900ME | 3-4-5-6-7 mm |
| 900LP | 0,8x4-1x5,5-1,2x6,5-,2x8 mm |
| 900PH | PH1-PH2-PH3-PH4 |
| 900TX | T10-T15-T20-T25-T27-T30-T40 |
| 900/16 | □ 1/4 - ■ 3/8 |
| 900/... | 50-100-150 mm |
| 900/25 | |
| 900BG/30 | |
| 900/42 | |
| 900/55 | |
| 910A | 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm |
| 910/15 | □ 3/8 - ■ 1/4 |
| 910/16 | □ 3/8 - ■ 1/2 |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/42 | |
| 910/55 | |
| 920A | 8-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 mm |
| 920/15 | □ 1/2 - ■ 3/8 |
| 920/25 | |
| 920AN | 125 - 250 mm |
| 920/42 | |
| 920/55 | |
| 956E | 16-17,8-20,8 mm |

1/4" 3/8" 1/2"

7,7 kg

| | |
|---|---|
| M105 | 1 024500871 |
| MV105 | 1 024510871 |

## M108

27

| | |
|---|---|
| 910MQ/PE | 4-5-6-8 mm |
| 910MQ/B | 7-8-10-11-12-13-14-15-16-17-19 mm |
| 910MQ/TX | T15-T20-T25-T27-T30-T40 |
| 910MQ/XZN | 8-10 mm |
| 910MQ/21 | 125 mm |
| 910MQ/22 | 250 mm |
| 910MQ/T | |
| 910MQ/55 | |

2,7 kg

| | |
|---|---|
| M108 | 1 024500108 |
| MV108 | 1 024510108 |

## M110

36

| | |
|---|---|
| 850MQ | |
| 860TX/A10 | |
| 920MQ/A | 8-9-10-11-12-13-14-15-16-17-18-19-20 mm |
| 920MQ/PE | 5-6-8-10-12 mm |
| 920MQ/21 | 125 mm |
| 920MQ/22 | 250 mm |
| 920MQ/55A | |
| 943MQ | 6-7-8-10 mm |

3,1 kg

| | |
|---|---|
| M110 | 1 024500110 |
| MV110 | 1 024510110 |

## M112

32

| | |
|---|---|
| 861TX | ⬢1/4-T6÷T15 |
| 866TX | ⬢5/16-T20÷T55 |
| 895/1 | ○1/4x□1/4 |
| 895/6 | ○5/16x□1/2 |
| 900FTX | □1/4-E4÷E10 |
| 920FTX | □1/2-E12÷E24 |
| 920TX | □1/2-T55L-T60-T70L |

1/4" 1/2"

1,3 kg

| | |
|---|---|
| M112 | 1 024500112 |
| MV112 | 1 024510112 |

## M115

54

| | |
|---|---|
| 666N | 40÷200 Nm |
| 920A | 13-14-15-16-17-18-19-20-21-22-24-26-27-30-32 mm |
| 920FTX | 12-14-16-18-20-22-24 mm |
| 920PE | 6-7-8-8L-10-10L-12-12L-14-14L |
| 920TX | T20-T25-T27-T30-T40-T45-T50-T55-T60-T20L-T25L-T27L-T30L-T40L-T45L-T50L |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | 305 mm |
| 920/55 | |

1/2"

7,8 Kg

| | |
|---|---|
| M115 | 1 024500115 |
| MV115 | 1 024510115 |

## M120

75

| | |
|---|---|
| 920A | 10-11-12-13-14-15-16-17-18-19-20-21-22-24-26-27-30-32 mm |
| 920AN/125 | 125 mm |
| 920AN/250 | 250 mm |
| 920/25 | |
| 920/42 | |
| 920AL | 10-12-13-14-15-16-17-18-19-22-24-27-30-32 mm |
| 920FTX | 10-12-14-16-18-20-22-24 mm |
| 920/55 | |
| 920PE | 5-5L-6-6L-7-7L-8-8L-10-10L-12-12L-14-14L |
| 920TX | T20-T25-T27-T30-T40-T45-T50-T55-T60-T20L-T25L-T27L-T30L-T40L-T45L-T50L |

1/2"

6,9 Kg

| | |
|---|---|
| M120 | 1 024500120 |
| MV120 | 1 024510120 |

## M121

46

| | |
|---|---|
| 920BP | 5L-6L-8L-10L-5XL-6XL-8XL mm |
| 920TX | T20-T25-T27-T30-T40L-T45L-T50L-T55L-T60L-T70L |
| 920XZN | 4-5-6-6L-8-8L-10-10L-12-12L-14-14L-16-18 mm |
| 920ES | 7-9-10-11-12L-14L-16L-7XL-9XL-10XL-11XL-12XL-14XL-16XL mm |
| 920/36A | |

1/2"

6,3 Kg

| | |
|---|---|
| M121 | 1 024500121 |
| MV121 | 1 024510121 |

## M125

68

| | |
|---|---|
| 910AL | 8-9-10-11-12-13-14-15-16-17-19-21-22 mm |
| 920PE | 5-6-6L-7-8-8L-10-10L-12-12L mm |
| 920FTX | E12-E14-E16-E18-E20-E22-E24 |
| 920TX | T20-T25-T27-T30-T30L-T40-T40L-T45-T50-T50L-T55-T60-T60L |
| 920XZN | 5-6-6L-8-8L-10-10L-12L mm |
| 920AL | 10-12-13-14-15-16-17-18-19-21-22-23-24-27-30-32 mm |
| 1692/5 | 5 m |

3/8" 1/2"

7,9 kg

| | |
|---|---|
| M125 | 1 024500872 |
| MV125 | 1 024510872 |

## M126

26

| | |
|---|---|
| 928A | 19-21-22-24-26-27-28-30-32-34-35-36-38-41-46 mm |
| 928ME | 14-17-19-22 mm |
| 928/15 | □ 3/4 - ■ 1/2 |
| 928/16 | □ 3/4 - ■ 1 |
| 928/21 | 200 mm |
| 928/22 | 380 mm |
| 928/25 | |
| 928/42 | 450 mm |
| 928/55 | |

3/4"

12,4 kg

| | |
|---|---|
| M126 | 1 024500126 |
| MV126 | 1 024510126 |

## M127

23

| | |
|---|---|
| 728 | 19-21-22-24-27-30-32-33-34-35-36-38-40-41-46 |
| 728FTX | 20-22-24 mm |
| 728/15 | □ 3/4 - ■ 1/2 |
| 728/16 | □ 3/4 - ■ 1 |
| 728/21 | 175 mm |
| 728/22 | 250 mm |
| 728/25 | |

3/4"

12,5 kg

| | |
|---|---|
| M127 | 1 024500127 |
| MV127 | 1 024510127 |

## M128

50

| | |
|---|---|
| 720 | 10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32 mm |
| 720L | 10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32 mm |
| 720TX | T30-T40-T45-T50-T55 |
| 720ME | 5-6-8-10-12-14-17-19 mm |
| 720LC | 17-19-21 mm |
| 720/21 | 125 mm |
| 720/25 | |

1/2"

8,9 kg

| | |
|---|---|
| M128 | 1 024500128 |
| MV128 | 1 024510128 |

## M129

13

| | |
|---|---|
| 1032 | 180 mm |
| 1034 | 170 mm |
| 1036 | 175 mm |
| 1038 | 175 mm |
| 1048 | 250 mm |
| 1052 | 240 mm |
| 1082BM | 160 mm |
| 1098 | 220 mm |
| 1112 | 250 mm |
| 1128BM | |
| 1150BM | 180 mm |
| 1166BM | 160 mm |
| 1168BM | 160 mm |

3,4 Kg

| | |
|---|---|
| M129 | 1 024500129 |
| MV130 | 1 024510130 |

## M133

3

| | |
|---|---|
| 1082G | 160 mm |
| 1150G | 180 mm |
| 1166G | 160 mm |

650 g

| | |
|---|---|
| M133 | 1 024500133 |
| MV133 | 1 024510133 |

## M134

3

| | |
|---|---|
| 1082GBM | 160 mm |
| 1150GBM | 180 mm |
| 1166GBM | 160 mm |

750 g

| | |
|---|---|
| M134 | 1 024500134 |
| MV134 | 1 024510134 |

## M135

3

| | |
|---|---|
| 1082MQ | 160 mm |
| 1150MQ | 180 mm |
| 1166MQ | 160 mm |

750 g

| | |
|---|---|
| M135 | 1 024500135 |
| MV135 | 1 024510135 |

## M136

3

| | |
|---|---|
| 1084BM | 160 mm |
| 1150BM | 180 mm |
| 1166BM | 160 mm |

750 g

| | |
|---|---|
| M136 | 1 024500136 |
| MV131 | 1 024510131 |

## M137

| | |
|---|---|
| 1084 | 160 mm |
| 1150 | 180 mm |
| 1166 | 160 mm |

650 g

| | |
|---|---|
| M137 | 1 024500137 |
| MV132 | 1 024510132 |

## M145

| | |
|---|---|
| 1032 | 180 mm |
| 1034 | 170 mm |
| 1036 | 175 mm |
| 1038 | 175 mm |

640 g

| | |
|---|---|
| M145 | 1 024500145 |
| MV145 | 1 024510145 |

## M153

| | |
|---|---|
| 1048 | 250 mm |
| 1052 | 240 mm |

1 kg

| | |
|---|---|
| M153 | 1 024500153 |
| MV153 | 1 024510153 |

## M161

| | |
|---|---|
| 1128MQ | |
| 1048MQ | 250 mm |
| 1082MQ | 160 mm |
| 1150MQ | 180 mm |
| 1162MQ | 160 mm |
| 1164MQ | 160 mm |
| 1272MQ | PH0x60 - PH1x80 - PH2x100 - PH3x150 mm |
| 1274MQ | 2,5x75 - 3x100 - 4x100 - 5,5x125 mm |
| 1777MQ/U | |

3,0 kg

| | |
|---|---|
| M161 | 1 024500161 |
| MV161 | 1 024510161 |

## M162

| | |
|---|---|
| 1241 | 5,5x100-6,5x125-8x150-10x200 mm |
| 1242 | PH1x100-PH2x100-PH3x150-PH4x200 mm |

1,4 kg

| | |
|---|---|
| M162 | 1 024500162 |
| MV162 | 1 024510162 |

## M166

860MIX/A31

| | |
|---|---|
| 1048 | 250 mm |
| 1082BM | 160 mm |
| 1150BM | 180 mm |
| 1162BM | 160 mm |
| 1290 | 3x75-4x100-5,5x100-6,5x150-8x150 mm |
| 1290N | 6,5x30 mm |
| 1292 | 4,5x80-6x100-8x150 mm |
| 1292N | 6x30 mm |
| 1297TX | T20-T25-T27-T30 |

2,9 kg

| | |
|---|---|
| M166 | 1 024500879 |
| MV165 | 1 024510874 |

## M170

| | |
|---|---|
| 1290 | 2,5x50<br>3x75<br>3,5x100<br>4x125<br>5,5x100<br>5,5x150<br>6,5x150 mm |

500 g

| | |
|---|---|
| M170 | 1 024500170 |
| MV170 | 1 024510170 |

## M172

| | |
|---|---|
| 1292 | PH0x60<br>PH0x100<br>PH1x80<br>PH1x120<br>PH2x100<br>PH2x150 mm |

450 g

| | |
|---|---|
| M172 | 1 024500172 |
| MV172 | 1 024510172 |

## M174

| | |
|---|---|
| 1297TX | T8-T10-T15-T20-T25-T30 |

450 g

| | |
|---|---|
| M174 | 1 024500174 |
| MV174 | 1 024510174 |

## M180

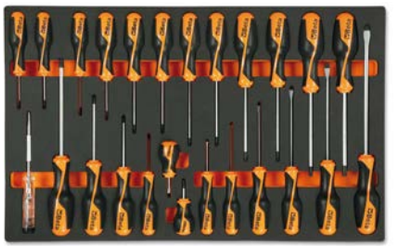
| | |
|---|---|
| 1290 | 3x75<br>4x100<br>5,5x150<br>6,5x150 mm |
| 1292 | PH0x60<br>PH1x80<br>PH2x100 mm |

500 g

| | |
|---|---|
| M180 | 1 024500180 |
| MV180 | 1 024510180 |

## M195

25



| | |
|---|---|
| 1260 | 2,5x50-3x75-4x100-5,5x125-6,5x150-8x200 mm |
| 1260N | 4x30 mm |
| 1262 | PH0x60-PH1x80-PH2x100-PH3x150 mm |
| 1262N | PH1X30 mm |
| 1267TX | T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40-T45 |
| 1253 | 3,5x100 mm |

2,3 kg

| | |
|---|---|
| M195 | 1 024500195 |
| MV195 | 1 024510195 |

## M199

7

| | |
|---|---|
| 1260 | 2,5x50-3x75-3,5x100-4x125 5,5x100-5,5x150-6,5x150 mm |

500 g

| | |
|---|---|
| M199 | 1 024500199 |
| MV199 | 1 024510199 |

## M202

6

| | |
|---|---|
| 1262 | PH0x60-PH0x100-PH1x80 PH1x120-PH2x100-PH2x150 mm |

450 g

| | |
|---|---|
| M202 | 1 024500202 |
| MV202 | 1 024510202 |

## M204

6

| | |
|---|---|
| 1267TX | T8-T10-T15-T20-T25-T30 |

450 g

| | |
|---|---|
| M204 | 1 024500204 |
| MV204 | 1 024510204 |

## M208

10

| | |
|---|---|
| 1260 | 3x75 3,5x100 4x125 5,5x150 6,5x150 mm |
| 1262 | PH0x60 PH1x80 PH2x100 mm |
| 1260N | 4x30 mm |
| 1262N | PH1x30 mm |

750 g

| | |
|---|---|
| M208 | 1 024500208 |
| MV208 | 1 024510208 |

## M209

10

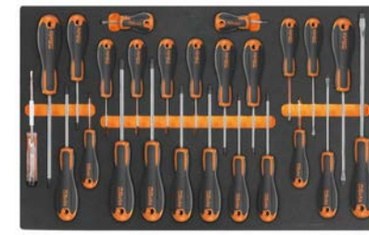
| | |
|---|---|
| 1260N | 4x30 mm |
| 1264 | 2,5x60 - 3x100 - 4x125 - 5x150 - 6,5x150 mm |
| 1262 | PH0x60 - PH1x80 - PH2x100 mm |
| 1262N | PH1x30 mm |

820 g

| | |
|---|---|
| M209 | 1 024500209 |
| MV208 | 1 024510208 |

## M213

25



| | |
|---|---|
| 1201E | 2,5x50-3x75-4x100-5,5x125-6,5x150-8x200 mm |
| 1201EN | 4x30 mm |
| 1202E | PH0x60-PH1x80-PH2x100-PH3x150 mm |
| 1202EN | PH1X30 mm |
| 1207E/TX | T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40-T45 |
| 1253 | 3,5x100 mm |

1,8 Kg

| | |
|---|---|
| M213 | 1 024500213 |
| MV210 | 1 024510210 |

## M214

7

| | |
|---|---|
| 1201E | 2,5x50-3x75-3,5x100-4x125-5,5x100-5,5x150-6,5x150 mm |

500 g

| | |
|---|---|
| M214 | 1 024500214 |
| MV211 | 1 024510211 |

## M216

6

| | |
|---|---|
| 1202E | PH0x60-PH1x80-PH1x120-PH2x100-PH2x150-PH3x150 mm |

450 g

| | |
|---|---|
| M216 | 1 024500216 |
| MV212 | 1 024510212 |

## M217

7

| | |
|---|---|
| 1207E/TX | T6-T7-T8-T9-T10-T15-T20 |

500 g

| | | |
|---|---|---|
| M217 | 1 | 024500217 |
| MV215 | 1 | 024510215 |

## M218

7

| | |
|---|---|
| 1201E | 3x75<br>4x100<br>5,5x150<br>6,5x150 mm |
| 1202E | PH0x60<br>PH1x80<br>PH2x100 mm |

500 g

| | | |
|---|---|---|
| M218 | 1 | 024500218 |
| MV220 | 1 | 024510220 |

## M219

7

| | |
|---|---|
| 1202E | 3x60 - 4,5x80 - 6x100 mm |
| 1204E | 3x75 - 4x100 - 5x150 - 6,5x150 mm |

590 g

| | | |
|---|---|---|
| M219 | 1 | 024500219 |
| MV220 | 1 | 024510220 |

## M222

7

| | |
|---|---|
| 1272MQ | PH0x60 mm |
| 1272MQF | PH1x80 - PH2x100 mm |
| 1274MQF | 3,5x100 - 4,5x100 - 5,5x125 - 6,5x150 mm |

540 g

| | | |
|---|---|---|
| M222 | 1 | 024500222 |
| MV222 | 1 | 024510222 |

## M226

7

| | |
|---|---|
| 1274MQ | 3x100<br>4x100<br>5,5x125<br>6,5x150 mm |
| 1272MQ | PH0x60<br>PH1x80<br>PH2x100 mm |

500 g

| | | |
|---|---|---|
| M226 | 1 | 024500226 |
| MV226 | 1 | 024510226 |

## M227

5

| | |
|---|---|
| 944BX | 6-7-8-10-13 mm |

420 g

| | | |
|---|---|---|
| M227 | 1 | 024500227 |
| MV227 | 1 | 024510227 |

## M230

25

| | |
|---|---|
| 30 | Ø 2-3-4 mm |
| 31 | Ø 2-3-4-5-6-8 mm |
| 32 | Ø 4 mm |
| 34 | 150 mm |
| 35 | 200-250 mm |
| 36 | 125 mm |
| 1370 | 500 g |
| 1390 | Ø 35 mm |
| 1692 | 3 m |
| 1712TF | |
| 1719BMA/Q | 200 mm |
| 1719BMA/T | 200 mm |
| 1719BMA/P | 200 mm |
| 1719BMA/M | 200 mm |
| 1719BMA/R | 200 mm |
| 1737NX | |
| 1771 | 18 mm |

3,2 Kg

| | | |
|---|---|---|
| M230 | 1 | 024500230 |
| MV230 | 1 | 024510230 |

## M231

22

| | |
|---|---|
| 31 | 2-3-4-5-6-8 mm |
| 32 | 4 mm |
| 34 | 125-150-175 mm |
| 36 | 125 mm |
| 1370 | 500-1000 g |
| 1390 | Ø 35 mm |
| 1712TF | 590 mm |
| 1715 | 670 mm |
| 1719BMA8/Q | 200 mm |
| 1719BMA8/T | 200 mm |
| 1719BMA8/P | 200 mm |
| 1719BMA8/M | 200 mm |
| 1719BMA8/R | 200 mm |
| 1737NX | |

4,7 kg

| | | |
|---|---|---|
| M231 | 1 | 024500877 |
| MV231 | 1 | 024510877 |

## M234

4

| | |
|---|---|
| 35 | 100-200 mm |
| 1370 | 300 g |
| 1390 | Ø 35 mm |

1,3 kg

| | | |
|---|---|---|
| M234 | 1 | 024500234 |
| MV232 | 1 | 024510232 |

## M236

5

| | |
|---|---|
| 1719BMA/Q | 200 mm |
| 1719BMA/T | 200 mm |
| 1719BMA/P | 200 mm |
| 1719BMA/M | 200 mm |
| 1719BMA/R | 200 mm |

870 g

| | | |
|---|---|---|
| M236 | 1 | 024500236 |
| MV236 | 1 | 024510236 |

## M237

4

| | |
|---|---|
| **35** | 100-200 mm |
| **1370T** | 300 mm |
| **1390N** | Ø 35 mm |

1,3 kg

| | |
|---|---|
| **M237** | 1 024500237 |
| **MV232** | 1 024510232 |

## M240

7

| | |
|---|---|
| **31BM** | Ø 2-3-4-5-6-8 mm |
| **32** | Ø 4 mm |

850 g

| | |
|---|---|
| **M240** | 1 024500240 |
| **MV240** | 1 024510240 |

## M264

16

| | |
|---|---|
| **1491** | Ø 65÷110 mm |
| **1494** | ■ 10 mm |
| **1494E** | ○ 8-9-10-11-12-14-17 mm |
| **1494Q** | ○ 8-9,5-12-13 mm |
| **1494T** | Δ 9,5 |
| **1494XZN** | ○ 16 |
| **1496C** | ■ 8x ■ 10 mm |

2,1 kg

| | |
|---|---|
| **M264** | 1 024500264 |
| **MV264** | 1 024510264 |

## M284

9

| | |
|---|---|
| **1128BMX** | |
| **1130BMX** | |
| **1719BMA...Q** | 200 mm |
| **1719BMA...P** | 200 mm |
| **1719BMA...M** | 200 mm |
| **1719BMA...R** | 200 mm |
| **1726BM** | 400 mm |
| **1728BM** | (5) |
| **1771BM** | 170 mm |
| **1778V18** | 185 mm |

2,4 Kg

| | |
|---|---|
| **M284** | 1 024500284 |
| **MV284** | 1 024510284 |

## M285

4

| | |
|---|---|
| **1112** | 250 mm |
| **1128BM** | |
| **1726** | 440 mm |
| **1728BM** | (5) |
| **1753** | 200 cc |

1,5 kg

| | |
|---|---|
| **M285** | 1 024500285 |
| **MV285** | 1 024510285 |

## M289

4

| | |
|---|---|
| **1692** | 5 m |
| **1725CR** | |
| **1755** | 30 cc |
| **1771** | |

500 g

| | |
|---|---|
| **M289** | 1 024500289 |
| **MV289** | 1 024510289 |

## M292

4

| | |
|---|---|
| **111** | 250 mm |
| **1128BMX** | |
| **1692/5** | 5 m |
| **1771** | 170 mm |

500 g

| | |
|---|---|
| **M292** | 1 024500292 |
| **MV292** | 1 024510292 |

## M295

4

| | |
|---|---|
| **1650** | |
| **1682** | L=300 mm |
| **1707** | |
| **1708/20** | |

450 g

| | |
|---|---|
| **M295** | 1 024500295 |
| **MV295** | 1 024510295 |

## M305

14

| | |
|---|---|
| **1927B** | |
| **720** | 12-13-14-15-16-17 18-19-21-22 24-27 mm |
| **720/21** | |

1/2"

4,2 kg

| | |
|---|---|
| **M305** | 1 024500305 |
| **MV305** | 1 024510305 |

## M310

14

| | |
|---|---|
| **1927CD** | |
| **720** | 12-13-14-15-16-17 18-19-21-22 24-27 mm |
| **720/21** | |

1/2"

4,0 kg

| | |
|---|---|
| **M310** | 1 024500310 |
| **MV310** | 1 024510310 |

## MC10

34

| | |
|---|---|
| 42 | 6-7-8-9-10-11-12<br>13-14-15-16-17<br>18-19-21-22 mm |
| 96/SC9 | 1,5-2-2,5-3-4-5-6-8-10 mm |
| 1084BM | 160 mm |
| 1150G | 180 mm |
| 1166G | 160 mm |
| 1201E | 3,5x100-5,5x150-6,5x150 mm |
| 1202E | PH0x60-PH1x80-PH2x100 mm |

3,5 kg

| | |
|---|---|
| MC10 | 1 027500011 |
| MCV10 | 1 027510010 |

## MC12

26

| | |
|---|---|
| 42 | 6-7-8-9-10-11-12-13-14-15-16-17-18-19-21-22 mm |
| 96/SC9 | 1,5-2-2,5-3-4-5-6-8-10 mm |
| 1692/5 | 5 m |

2,2 kg

| | |
|---|---|
| MC12 | 1 041500012 |
| MCV11 | 1 041510011 |

## MC20

74

| | |
|---|---|
| 860MIX/A31 | |
| 895/1 | |
| 1048 | 250 mm |
| 1370 | 300 g |
| 32 | Ø 4 mm |
| 36 | Ø 4 mm |
| 900 | 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm |
| 900/21 | 150 mm |
| 900/25 | |
| 900BG/30C | |
| 900/42 | |
| 900/55 | |
| 920A | 10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32 mm |
| 920/25 | |
| 920AN/125 | 125 mm |
| 920/42 | |
| 920/55 | |

12"

6 kg

| | |
|---|---|
| MC20 | 1 027500020 |
| MCV20 | 1 027510020 |

## MC21

24

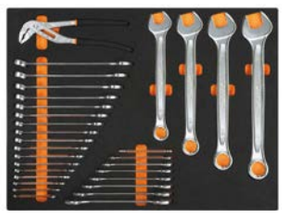
| | |
|---|---|
| 920A | 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-30-32 mm |
| 920/25 | |
| 920/42 | |
| 920/55 | |
| 920AN | 125-250 mm |

4,3 kg

| | |
|---|---|
| MC21 | 1 041500021 |
| MCV21 | 1 041510021 |

## MB12

30



| | |
|---|---|
| 42 | 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32 mm |
| 55 | 6x7-8x9-10x11<br>12x13-14x15<br>16x17-18x19<br>20x22 mm |
| 1048 | 250 mm |

5,4 kg

| | |
|---|---|
| MB12 | 1 024504212 |
| MBV11 | 1 024524211 |

## MB37

52

| | |
|---|---|
| 920A | 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-30-32 mm |
| 920/21 | 125 mm |
| 920/22 | 150 mm |
| 920/25 | |
| 920/42 | |
| 920/55 | |
| 111 | 250 mm |
| 1052 | 240 mm |
| 1084BM | 160 mm |
| 1150BM | 180 mm |
| 1166BM | 160 mm |
| 1032 | 180 mm |
| 1034 | 170 mm |
| 1036 | 175 mm |
| 1038 | 175 mm |
| 900 | 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm |
| 900/20 | 50 mm |
| 900/21 | 150 mm |
| 900/25 | |
| 900BG/30 | |
| 900/55 | |
| 900/42 | |

7,0 kg

| | |
|---|---|
| MB37 | 1 024504237 |
| MBV34 | 1 024524234 |

## MB38

80

| | |
|---|---|
| 96T | 2-2,5-3-4-5-6-7-8 mm |
| 851SR | 230 mm |
| 860LP | 0,5x3 - 0,6x4,5 - 0,8x5,5 - 1x5,5 - 1,2x6,5 mm |
| 860PE | 2 - 2,5 -3 - 4 - 5 - 6 - 8 - 10 mm |
| 860PH | PH0 - PH1 - PH2 - PH3 - PH4 |
| 860PZ | PZ1 - PZ2 - PZ3 - PZ4 |
| 860RTX | T9-T10-T15-T20-T25-T27-T30-T40 |
| 860TX | T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40 |
| 860/55 | 100 mm |
| 882P | |
| 892/0 | |
| 920A | 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-30-32 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | |
| 920/55 | |
| 1084BM | 160 mm |
| 1150BM | 180 mm |
| 1166BM | 160 mm |

5,9 kg

| | |
|---|---|
| MB38 | 1 024504238 |
| MBV35 | 1 024524235 |

## MB39

39

| | |
|---|---|
| 920A | 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-30-32 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | |
| 920/55 | |
| 920PE | 5-6-8-10-12 mm |
| 1032 | 180 mm |
| 1034 | 170 mm |
| 1036 | 175 mm |
| 1038 | 175 mm |
| 35 | 200 mm |
| 1084BM | 160 mm |
| 1150BM | 180 mm |
| 1166BM | 160 mm |
| 1370 | 500 g |
| 1390 | 35 mm |

7,2 kg

| | |
|---|---|
| MB39 | 1 024504239 |
| MBV36 | 1 024524236 |

## MB44

34

| | |
|---|---|
| 1260 | 2,5x50-3x75-3,5x100-4x100-5,5x125-6,5x150-8x200 mm |
| 1260N | 4x30-6,5x30 mm |
| 1262 | PH0x60-PH0x100-PH1x80-PH1x120-PH2x100-PH2x150-PH3x150 mm |
| 1262N | PH1x30-PH2x30 mm |
| 1253 | |
| 96BPC/SC9 | |
| 951 | 2,5-3-4-5-6-8 mm |

2,8 kg

| | |
|---|---|
| MB44 | 1 024504244 |
| MBV44 | 1 024524244 |

## MB45

29

| | |
|---|---|
| 1260 | 2,5x50-3x75-3,5x100-4x100-5,5x100-5x125-6,5x150 mm |
| 1262 | PH0x60-PH0x100-PH1x80-PH1x120-PH2x100-PH2x150 mm |
| 1267TX | T8-T10-T15-T20-T25-T30 |
| 1052 | 240 mm |
| 96BPC/SC9 | |

2,8 kg

| | |
|---|---|
| MB45 | 1 024504245 |
| MBV45 | 1 024524245 |

## MB46

29

| | |
|---|---|
| 1260 | 3x75-4x100-5,5x125-6,5x150 mm |
| 1262 | PH0x60-PH1x80--PH2x100 mm |
| 1267TX | T8-T10-T15-T20-T25-T30 |
| 96BPC/SC9 | |
| 96T | 2-2,5-3-4-5-6 |
| 1052 | 240 mm |

2,8 kg

| | |
|---|---|
| MB46 | 1 024504246 |
| MBV46 | 1 024524246 |

## MB47

48

| | |
|---|---|
| 1260 | 3x75-4x100-5,5x125-6,5x150 mm |
| 1262 | PH0x60-PH1x80--PH2x100 mm |
| 1260N | 4x30 mm |
| 1262N | PH1x30 mm |
| 96T | 2,5-3-4-5-6-8 mm |
| 96BPC/SC9 | |
| 920A | 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-30-32 mm |
| 920/21 | 125 mm |
| 920/22 | 250 mm |
| 920/25 | |
| 920/42 | |
| 920/55 | |

12"

5,6 kg

| | |
|---|---|
| MB47 | 1 024504247 |
| MBV47 | 1 024524247 |

## MB56

15

| | |
|---|---|
| 1719BMA/Q | 200 mm |
| 1719BMA/T | 200 mm |
| 1719BMA/P | 200 mm |
| 1719BMA/M | 200 mm |
| 1719BMA/R | 200 mm |
| 1032 | 180 mm |
| 1034 | 170 mm |
| 1036 | 175 mm |
| 1038 | 175 mm |
| 1370T | 300 g |
| 1390N | Ø 35 mm |
| 35 | 200 mm |
| 1692 | 5 mt |
| 1725CR | 260 mm |
| 1771 | 18 mm |

3,7 kg

| | |
|---|---|
| MB56 | 1 024504256 |
| MBV56 | 1 024524256 |

## MB58

17

| | |
|---|---|
| 31 | Ø 2-3-4-5-6 mm |
| 32 | Ø 4 mm |
| 35 | 200 mm |
| 1112 | 250 mm |
| 1128BMX | |
| 1370 | 500 g |
| 1390 | Ø 45 mm |
| 1719BMA...Q | 200 mm |
| 1719BMA...T | 200 mm |
| 1719BMA...P | 200 mm |
| 1719BMA...M | 200 mm |
| 1719BMA...R | 200 mm |
| 1726 | 440 mm |

4,5 kg

| | |
|---|---|
| MB58 | 1 024504258 |
| MBV55 | 1 024524255 |

## MB59

15

| | |
|---|---|
| 1719BMA...Q | 200 mm |
| 1719BMA...T | 200 mm |
| 1719BMA...P | 200 mm |
| 1719BMA...M | 200 mm |
| 1719BMA...R | 200 mm |
| 31 | Ø 4-6 mm |
| 32 | Ø 4 mm |
| 35 | 125-200 mm |
| 1370 | 300 g |
| 1390 | Ø 35 mm |
| 1692 | 5 mt |
| 1725 | 420 mm |
| 1833XS/2 | |

3,4 kg

| | |
|---|---|
| MB59 | 1 024504259 |
| MBV57 | 1 024524257 |

## MB65

16

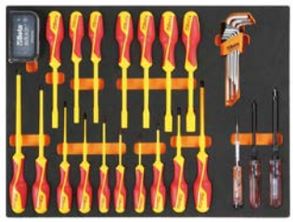
| | |
|---|---|
| 1719BMA...Q | 200 mm |
| 1719BMA...P | 200 mm |
| 1719BMA...T | 200 mm |
| 1719BMA...M | 200 mm |
| 1719BMA...R | 200 mm |
| 35 | 200 mm |
| 1032 | 180 mm |
| 1034 | 170 mm |
| 1036 | 175 mm |
| 1038 | 175 mm |
| 1052 | 240 mm |
| 1084BM | 160 mm |
| 1150BM | 180 mm |
| 1166BM | 160 mm |
| 1370 | 500 g |
| 1390 | Ø 35 mm |

4,8 kg

| | |
|---|---|
| MB65 | 1 024504265 |
| MBV61 | 1 024524261 |

## MB63

60



| | |
|---|---|
| 96BPC/SC9 | |
| 1250 | 4x125 mm |
| 1251 | PH1x150 mm |
| 1253 | |
| 943MQ | 5,5-6-7-8-10-13 mm |
| 1272MQ | PH0x60-PH1x80-PH2x100-PH3x150 mm |
| 1274MQ | 2,5x75-3x100-4x100-5,5x125-6,5x150-8x175 mm |
| 860LP | 0,5x3 - 0,6x4 - 0,8x5,5 1,0x5,5 - 1,2x6,5 mm |
| 860PE | 2 - 2,5 - 3 - 4 - 5 - 6 8 - 10 mm |
| 860PH | PH0 - PH1 - PH2 - PH3 - PH4 |
| 860PZ | PZ1 - PZ2 - PZ3 - PZ4 |
| 860RTX | T9 - T10 - T15 - T20 T25 - T27 - T30 - T40 |
| 882MSR/50 | 1/4 ● 1/4 |
| 850MQ | |

3,2 kg

| | |
|---|---|
| MB63 | 1 024504263 |
| MBV63 | 1 024524263 |

## MB64

20

| | |
|---|---|
| 55 | 6x7-8x9-10x11 12x13-14x15 16x17-18x19 20x22 mm |
| 1048MQ | 250 mm |
| 1082MQ | 140 mm |
| 1128BSX | |
| 1132MQ | 230 mm |
| 1142MQ | 160 mm |
| 1150MQ | 180 mm |
| 1166MQ | 160 mm |
| 1168MQ | 160 mm |
| 110MQ | 250 mm |
| 1777MQ | |
| 993MQ | |
| 1602 | |

4,1 kg

| | |
|---|---|
| MB64 | 1 024504264 |
| MBV62 | 1 024524262 |

## MM11

30

| | |
|---|---|
| 42 | 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24-27-30-32 mm |
| 96BPC/SC9 | 1,5-2-2,5-3-4-5-6-8-10 mm |

4,5 kg

| | |
|---|---|
| MM11 | 1 024580011 |
| MMV10 | 1 024590010 |

## MM61

17

| | |
|---|---|
| 96T | 2-2,5-3-4-5-6-7-8 mm |
| 1390 | Ø 35 |
| 1370 | 300 g |
| 35 | 100-200 mm |
| 1719BMA8/S5 | 200 mm |

2,9 kg

| | |
|---|---|
| MM61 | 1 024580061 |
| MMV61 | 1 024590061 |

## MM105

107

| | |
|---|---|
| 895/1 | ⬭1/4-□1/4 |
| 895/3 | ⬭1/4-□3/8 |
| 895/6 | ⬭5/16-□1/2 |
| 900 | 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm |
| 900L | 5-6-7-8-9-10-11-12-13 mm |
| 900ME | 3-4-5-6-7 mm |
| 900LP | 0,8x4-1x5,5-1,2x6,5-1,2x8 |
| 900PH | PH1-PH2-PH3-PH4 |
| 900TX | T10-T15-T20-T25-T27-T30-T40 |
| 900/16 | |
| 900/... | 50-100-150 mm |
| 900/25 | |
| 900BG/30 | 176 mm |
| 900/42 | 115 mm |
| 900/55 | 125 mm |
| 910A | 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm |
| 910/15 | □3/8-■1/4 |
| 910/16 | □3/8-■1/2 |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/42 | 210 mm |
| 910/55 | 200 mm |
| 920A | 8-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32 mm |
| 920/15 | □1/2-■3/8 |
| 920/25 | |
| 920AN | 125-250 mm |
| 920/42 | 305 mm |
| 920/55 | 275 mm |
| 956E | 16 mm (5/8")-17,8 (11/16")-20,8 (13/16") |

1/4" 3/8" 1/2"

7,2 kg

| | |
|---|---|
| MM105 | 1 024580105 |
| MMV105 | 1 024590105 |

## MM140

52

| | |
|---|---|
| 97TTX | T10-T15-T20-T25-T30 |
| 1084BM | 160 mm |
| 1150BM | 180 mm |
| 1166BM | 160 mm |
| 1032 | 180 mm |
| 1034 | 170 mm |
| 1036 | 175 mm |
| 1038 | 175 mm |
| 1048 | 250 mm |
| 1052 | 240 mm |
| 1256/C36-2 | |

2,2 kg

| | |
|---|---|
| MM140 | 1 024580141 |
| MMV140 | 1 024590140 |

## MM210

25

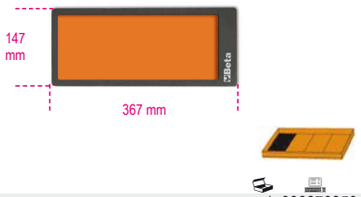
| | |
|---|---|
| 1201E | 2,5x50-3x75-4x100-5,5x125-6,5x150-8x200 mm |
| 1201EN | 4x30 mm |
| 1202E | PH0x60-PH1x80-PH2x100-PH3x150 mm |
| 1202EN | PH1X30 mm |
| 1207E/TX | T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40-T45 |
| 1253 | |

2,1 kg

| | |
|---|---|
| MM210 | 1 024580211 |
| MMV210 | 1 024590210 |

## VPM0

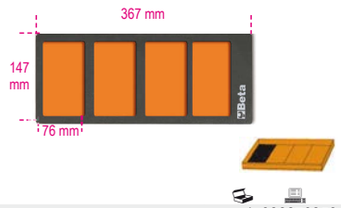
soft thermoformed tray with tote tray




| | |
|---|---|
| VPM0 | 1 088870350 |

## VPM3

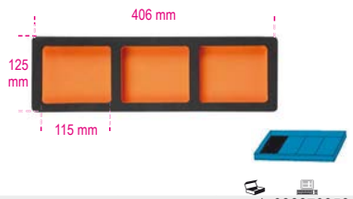
soft thermoformed tray with 4 tote trays




| | |
|---|---|
| VPM3 | 1 088870353 |

## VPM7

soft thermoformed tray with 3 tote trays




| | |
|---|---|
| VPM7 | 1 088870356 |

## VPM8

soft thermoformed tray with tote tray

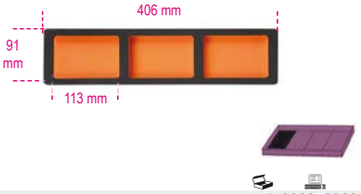
| | |
|---|---|
| VPM8 | 1 088870357 |

## VPM9

soft thermoformed tray with tote tray

| | |
|---|---|
| VPM9 | 1 088870358 |

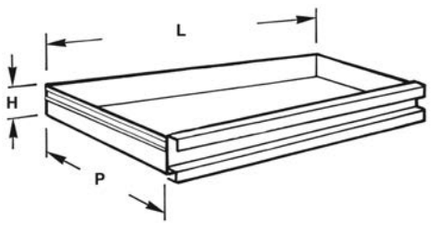
## VPM7-C



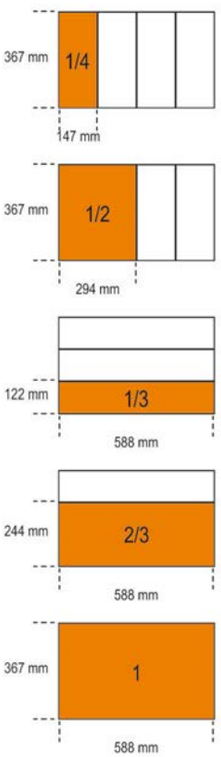

| | |
|---|---|
| VPM7-C | 1 088870360 |

# Hard thermoformed trays T-series

Assortment of tools in thermoformed trays, designed for all roller cabs and all trolleys.




| H mm | LxP mm |
|---|---|
| 70 | 588x367 |




## T01

17

| | |
|---|---|
| 42 | 6-7-8-10-11-12-13<br>14-16-17-18-19-21<br>22-24-27-30 mm |

2,7 kg

| | |
|---|---|
| T01 | 1 024240001 |
| TV10 | 1 024000400 |

## T05

16

| | |
|---|---|
| 42 | 6-7-8-9-10-11-12<br>13-14-15-16-17<br>18-19-20-21 mm |

1,5 kg

| | |
|---|---|
| T05 | 1 024240005 |
| TV15 | 1 024000445 |

## T06

5

| | |
|---|---|
| 42 | 22-24-27-30-32 mm |

2,1 kg

| | |
|---|---|
| T06 | 1 024240006 |
| TV16 | 1 024000446 |

## T13

11

| | |
|---|---|
| 42SLIM | 8-10-11-12<br>13-14-15-16-17<br>18-19 mm |

1,5 kg

| | |
|---|---|
| T13 | 1 024240013 |
| TV13 | 1 024249913 |

## T18

16

| | |
|---|---|
| 42MP | 6-7-8-9-10-11-12<br>13-14-15-16-17<br>18-19-20-21 mm |

1,5 kg

| | |
|---|---|
| T18 | 1 024240018 |
| TV15 | 1 024000445 |

## T19

5

| | |
|---|---|
| 42MP | 22-24-27-30-32 mm |

2,1 kg

| | |
|---|---|
| T19 | 1 024240019 |
| TV16 | 1 024000446 |

## T22

15

| | |
|---|---|
| 42AS | 5/16-3/8-7/16-1/2<br>9/16-5/8-11/16-3/4 |
| ○ 96AS/BG7 | 3/32-1/8-5/32-3/16<br>1/4-5/16-3/8 |

1 kg

| | |
|---|---|
| T22 | 1 024240022 |
| TV20 | 1 024000488 |

## T23

16

| | |
|---|---|
| 42INOX | 8-10-11-12-13-14-15-<br>17-19 mm |
| ○ 96BPINOX | 2,5-3-4-5-6-8-10 mm |

1 kg

| | |
|---|---|
| T23 | 1 024240023 |
| TV23 | 1 024249906 |

## T31

27

| | |
|---|---|
| **31** | Ø 2-3-4-5-6 mm |
| **32** | Ø 4 mm |
| **55** | 6x7-8x9-10x11<br>12x13-14x15<br>16x17-18x19<br>20x22-21x23<br>24x26-27x29<br>30x32 mm |
| **96N/SC9** | 1,5÷10 mm |

3 kg

| | |
|---|---|
| **T31** | 1 024240031 |
| **TV30** | 1 024000401 |

## T33

17

| | |
|---|---|
| **55** | 6x7-8x9-10x11<br>12x13-14x15<br>16x17-18x19<br>20x22 mm |
| **96/SC9** | 1,5÷10 mm |

1 kg

| | |
|---|---|
| **T33** | 1 024240033 |
| **TV20** | 1 024000488 |

## T34

17

| | |
|---|---|
| **55MP** | 6x7-8x9-10x11<br>12x13-14x15<br>16x17-18x19<br>20x22 mm |
| **96/SC9** | 1,5÷10 mm |

1 kg

| | |
|---|---|
| **T34** | 1 024240034 |
| **TV20** | 1 024000488 |

## T40

7

| | |
|---|---|
| **90** | 6x7-8x9-10x11<br>12x13-14x15<br>16x17-18x19 mm |

810 g

| | |
|---|---|
| **T40** | 1 024240040 |
| **TV40** | 1 024000456 |

## T41

5

| | |
|---|---|
| **90** | 20x22-21x23<br>24x26-25x28<br>27x29 mm |

1,5 kg

| | |
|---|---|
| **T41** | 1 024240041 |
| **TV41** | 1 024000457 |

## T45

12

| | |
|---|---|
| **142** | 8-9-10-11-12<br>13-14-15-16<br>17-18-19 mm |

1,3 kg

| | |
|---|---|
| **T45** | 1 024240045 |
| **TV45** | 1 024000498 |

## T46

12

| | |
|---|---|
| **142SN** | 8-9-10-11-12<br>13-14-15-16<br>17-18-19 mm |

1,5 kg

| | |
|---|---|
| **T46** | 1 024240046 |
| **TV46** | 1 024000499 |

## T48

12

| | |
|---|---|
| **96BPC/SC9** | 1,5÷10 mm |
| **142C** | 8-9-10-11-12<br>13-14-15-16<br>17-18-19 mm |

1,4 kg

| | |
|---|---|
| **T48** | 1 024240048 |
| **TV47** | 1 024000763 |

## T50

11

| | |
|---|---|
| **96T** | 2-2,5-3-3,5-4-4,5<br>5-6-7-8-10 mm |

1,3 kg

| | |
|---|---|
| **T50** | 1 024240050 |
| **TV50** | 1 024000764 |

## T52

6

| | |
|---|---|
| **96T** | 2-2,5-3-4-5-6 mm |

350 g

| | |
|---|---|
| **T52** | 1 024240052 |
| **TV52** | 1 024000765 |

## T53

5

| | |
|---|---|
| **96TBP** | 2,5-3-4-5-6 mm |

300 g

| | |
|---|---|
| **T53** | 1 024240053 |
| **TV52** | 1 024000765 |

## T55

6

| | |
|---|---|
| **97TTX** | T10-T15-T20<br>T25-T27-T30 |

330 g

| | |
|---|---|
| **T55** | 1 024240055 |
| **TV55** | 1 024000766 |

## T56

14

| | |
|---|---|
| 96BP | 2-3-4-5-6-8-10 mm |
| 97TX | T20-T25-T30-T40-T45-T50-T55 |

300 g

| | |
|---|---|
| T56 | 1 024240056 |
| TV56 | 1 024249901 |

## T57

5

| | |
|---|---|
| 96TINOX | 2,5-3-4-5-6 mm |

350 g

| | |
|---|---|
| T57 | 1 024240057 |
| TV57 | 1 024249907 |

## T59

14

| | |
|---|---|
| 111 | 250 mm |
| 920/40 | ■ 1/2 |
| 951 | 2,5-3-4-5-6-8 mm |
| 953 | 4-5-6-8 mm |
| 1370 | 300 - 500 g |

4,7 kg

| | |
|---|---|
| T59 | 1 024240059 |
| TV60 | 1 024000420 |

## T63

8

| | |
|---|---|
| 952 | 7-8-10-12-13-14-17-19 mm |

3,8 kg

| | |
|---|---|
| T63 | 1 024240063 |
| TV63 | 1 024000471 |

## T64

8

| | |
|---|---|
| 952FTX | E10-E12-E14 |
| 953TX | T25-T27-T30-T40-T45 |

3,8 kg

| | |
|---|---|
| T64 | 1 024240064 |
| TV63 | 1 024000471 |

## T65

8

| | |
|---|---|
| 953 | 3-3,5-4-5-6-7-8-10 mm |

2,8 kg

| | |
|---|---|
| T65 | 1 024240065 |
| TV63 | 1 024000471 |

## T68

6

| | |
|---|---|
| 951 | 2,5-3-4-5-6-8 mm |

590 g

| | |
|---|---|
| T68 | 1 024240068 |
| TV68 | 1 024000470 |

## T73

8

| | |
|---|---|
| 930 | 6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22 mm |
| 940/1 | |
| 940/2 | |

1,3 kg

| | |
|---|---|
| T73 | 1 024240073 |
| TV73 | 1 024000418 |

## T75

16

| | |
|---|---|
| 933 | 7-8-9-10-11-12-13 14-15-16-17-18-19 21-22-24 mm |

4,2 kg

| | |
|---|---|
| T75 | 1 024240075 |
| TV75 | 1 024000422 |

## T76

16

| | |
|---|---|
| 932 | 7-8-9-10-11-12-13 14-15-16-17-18-19 21-22-24 mm |

4,2 kg

| | |
|---|---|
| T76 | 1 024240076 |
| TV75 | 1 024000422 |

## T77

10

| | |
|---|---|
| 933 | 6-7-8-10-11-12-13 14-17-19 mm |

1,4 kg

| | |
|---|---|
| T77 | 1 024240077 |
| TV77 | 1 024000474 |

## T79

6

| | |
|---|---|
| 80 | 8x9-10x11-12x13 14x15-16x17 18x19 mm |

1,3 kg

| | |
|---|---|
| T79 | 1 024240079 |
| TV79 | 1 024000490 |

## T80

29

| | |
|---|---|
| 920A | 10-11-12-13-14 15-16-17-18-19 20-21-22-23-24 26-27-30-32 mm |
| 920ME | 5-6-8-10-12 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | 305 mm |
| 920/55 | |

12"

4,1 kg

| | |
|---|---|
| T80 | 1 024240080 |
| TV80 | 1 024000403 |

## T81

29

| | |
|---|---|
| 920B | 10-11-12-13-14 15-16-17-18-19 20-21-22-23-24 26-27-30-32 mm |
| 920ME | 5-6-8-10-12 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | 305 mm |
| 920/55 | |

12"

4,1 kg

| | |
|---|---|
| T81 | 1 024240081 |
| TV80 | 1 024000403 |

## T82

29

| | |
|---|---|
| 920A | 10-11-12-13-14 15-16-17-18-19 20-21-22-23-24 26-27-30-32 mm |
| 920ME | 5-6-8-10-12 mm |
| 920AN/125 | 125 mm |
| 920AN/250 | 250 mm |
| 920/25 | |
| 920/42 | 305 mm |
| 920/55 | |

12"

4,1 kg

| | |
|---|---|
| T82 | 1 024240082 |
| TV80 | 1 024000403 |

## T83

24

| | |
|---|---|
| 920A | 10-11-12-13-14 15-16-17-18-19 20-21-22-23-24 26-27-30-32 mm |
| 920/21 | 125 mm |
| 920/22 | 255 mm |
| 920/25 | |
| 920/42 | 305 mm |
| 920/55 | |

12"

3,6 kg

| | |
|---|---|
| T83 | 1 024240083 |
| TV83 | 1 024000402 |

## T85

81

| | |
|---|---|
| 861LP | 0,5x3 - 0,6x4,5 - 0,8x5,5 - 1x5,5 - 1,2x6,5 - 1,2x8 - 1,6x8 mm |
| 861PE | 2 - 2,5 -3 - 4 - 5 - 6 - 8 - 10 mm |
| 861PH | PH0 - PH1 - PH2 - PH3 |
| 861PZ | PZ1 - PZ2 - PZ3 |
| 861TX | T6-T7-T8-T9-T10-T15-T20-T25-T27-T30-T40 |
| 861RTX | T9-T10-T15-T20-T25-T27-T30-T40 |
| 861TRW | 1-2-3-4-5-6 mm |
| 861TQS | 0-1-2-3-4-5-6-8-10 mm |
| 861SP | 4-6-8-10-12 mm |
| 851SR | 230 mm |
| 900 | 4-4,5-5-5,5-6-7-8-9 10-11-12-13-14 mm |
| 900/21 | 150 mm |
| 900/25 | 41 mm |
| 900BG/30 | 176 mm |
| 900/42 | 115 mm |
| 900/55 | 125 mm |
| 194 | 1/4x5/16 |

14"

1,0 kg

| | |
|---|---|
| T85 | 1 024240085 |
| TV85 | 1 024000747 |

## T91

25

| | |
|---|---|
| 900 | 4-4,5-5-5,5-6 7-8-9-10-11 12-13-14 mm |
| 900ME | 2,5-3-4-5-6-8 mm |
| 900/20 | 50 mm |
| 900/21 | 150 mm |
| 900/25 | |
| 900BG/30 | |
| 900/42 | 115 mm |
| 900/55 | |

14"

560 g

| | |
|---|---|
| T91 | 1 024240091 |
| TV90 | 1 024000447 |

## T92

22

| | |
|---|---|
| 910A | 6-7-8-9-10-11-12-13 14-15-16-17-18-19 20-21-22 mm |
| 910/21 | 125 mm |
| 910/22 | 250 mm |
| 910/25 | |
| 910/42 | 210 mm |
| 910/55 | |

3/8"

1,5 kg

| | |
|---|---|
| T92 | 1 024240092 |
| TV92 | 1 024000458 |

## T99

16

| | |
|---|---|
| 920INOX-A | 10-12-13-14-15-16-17 18-19-21-22-24-27 30-32mm |
| 920/55INOX | |

12"

2,7 kg

| | |
|---|---|
| T99 | 1 024240099 |
| TV99 | 1 024249908 |

## T100

16

| | |
|---|---|
| 920A | 10-12-13-14-15 16-17-18-19-21 22-24 mm |
| 920/21 | 125 mm |
| 920/25 | |
| 920/42 | 305 mm |
| 920/55 | |

12"

2,1 kg

| | |
|---|---|
| T100 | 1 024240100 |
| TV100 | 1 024000495 |

## T101

16

| | |
|---|---|
| 920B | 10-12-13-14-15 16-17-18-19-21 22-24 mm |
| 920/21 | 125 mm |
| 920/25 | |
| 920/42 | 305 mm |
| 920/55 | |

12"

2,1 kg

| | |
|---|---|
| T101 | 1 024240101 |
| TV100 | 1 024000495 |

## T102

16

| | |
|---|---|
| 920AS | 3/8-7/16-1/2 9/16-5/8-11/16 3/4-13/16-7/8 15/16-1-1.1/16 |
| 920/21 | 125 mm |
| 920/25 | |
| 920/42 | 305 mm |
| 920/55 | |

12"

2,1 kg

| | |
|---|---|
| T102 | 1 024240102 |
| TV100 | 1 024000495 |

## T103

17

900L 6-7-8-9-10-11-12 mm
920AL 13-14-16-17-18-19 21-22-24-27 mm

1/4" 1/2"

1,1 kg

| | | |
|---|---|---|
| T103 | 1 | 024240103 |
| TV103 | 1 | 024000748 |

## T105

11

928A 22-24-27-30-32-34 36-38-41-46-50 mm

3/4"

4,9 kg

| | | |
|---|---|---|
| T105 | 1 | 024240105 |
| TV105 | 1 | 024000484 |

## T106

4

928/21 200 mm
928/22 380 mm
928/42 450 mm
928/55

3/4"

4,5 kg

| | | |
|---|---|---|
| T106 | 1 | 024240106 |
| TV106 | 1 | 024000485 |

## T110

14

720 10-11-12-13-14 16-17-18-19-21 22-23-24 mm
720/21 125 mm

1/2"

1,8 kg

| | | |
|---|---|---|
| T110 | 1 | 024240110 |
| TV110 | 1 | 024000477 |

## T112

32

861TX 1/4-T6÷T15
866TX 5/16-T20÷T55
895/1 1/4x1/4
895/6 5/16x1/2
900FTX 1/4-E4÷E10
920FTX 1/2-E12÷E24
920TX 1/2-T55L-T60-T70L

1/4" 1/2"

1,3 kg

| | | |
|---|---|---|
| T112 | 1 | 024240112 |
| TV112 | 1 | 024000480 |

## T113

12

920PE 5L-6L-7L-8L-10L
920TX T40L-T45L T55L-T70L
920XZN M6L-M8L-M12L

1/2"

1,5 kg

| | | |
|---|---|---|
| T113 | 1 | 024240113 |
| TV113 | 1 | 024000489 |

## T121

1

666N/20 40 - 200 Nm

1/2"

1,4 kg

| | | |
|---|---|---|
| T121 | 1 | 024240121 |
| TV121 | 1 | 024000767 |

## T123

3

1082G 160 mm
1150G 180 mm
1166G 160 mm

550 g

| | | |
|---|---|---|
| T123 | 1 | 024240123 |
| TV135 | 1 | 024000762 |

## T124

3

1082GBM 160 mm
1150GBM 180 mm
1166GBM 160 mm

640 g

| | | |
|---|---|---|
| T124 | 1 | 024240124 |
| TV135 | 1 | 024000762 |

## T135

3

1082MQ 160 mm
1150MQ 180 mm
1166MQ 160 mm

1000 V

750 g

| | | |
|---|---|---|
| T135 | 1 | 024240135 |
| TV135 | 1 | 024000762 |

## T136

2

1048MQ 250 mm
1777MQ/U

1000 V

700 g

| | | |
|---|---|---|
| T136 | 1 | 024240136 |
| TV136 | 1 | 024000438 |

## T137

3

1084BM 160 mm
1150BM 180 mm
1166BM 160 mm

750 g

| | | |
|---|---|---|
| T137 | 1 | 024240137 |
| TV130 | 1 | 024000451 |

## T138

| | |
|---|---|
| 1084 | 160 mm |
| 1150 | 180 mm |
| 1166 | 160 mm |

650 g

| | |
|---|---|
| T138 | 1 024240138 |
| TV130 | 1 024000451 |

## T140

| | |
|---|---|
| 1032 | 140x0,9 - 180 mm |
| 1034 | 170 mm |
| 1036 | 140x1,3 - 175 mm |
| 1038 | 175 mm |
| 1084 | 160 mm |
| 1128BM | |

1,1 kg

| | |
|---|---|
| T140 | 1 024240140 |
| TV140 | 1 024000405 |

## T144

| | |
|---|---|
| 1048 | 250 mm |
| 1052 | 240 mm |
| 1112 | 250 mm |
| 1150 | 180 mm |

1,8 kg

| | |
|---|---|
| T144 | 1 024240144 |
| TV143 | 1 024000409 |

## T145

| | |
|---|---|
| 1032 | 180 mm |
| 1034 | 170 mm |
| 1036 | 175 mm |
| 1038 | 175 mm |

640 g

| | |
|---|---|
| T145 | 1 024240145 |
| TV145 | 1 024000448 |

## T146

| | |
|---|---|
| 1032 | 140x0,9 mm |
| 1032 | 225 mm |
| 1036 | 140x1,3 mm |
| 1036 | 225 mm |

700 g

| | |
|---|---|
| T146 | 1 024240146 |
| TV146 | 1 024000449 |

## T151

| | |
|---|---|
| 1047 | 240 mm |
| 1057A | 240 mm |

1,3 kg

| | |
|---|---|
| T151 | 1 024240151 |
| TV150 | 1 024000462 |

## T153

| | |
|---|---|
| 1048 | 250 mm |
| 1052 | 240 mm |

1,1 kg

| | |
|---|---|
| T153 | 1 024240153 |
| TV150 | 1 024000462 |

## T156

| | |
|---|---|
| 1082 | 160 mm |
| 1150 | 180 mm |
| 1048 | 250 mm |

1 kg

| | |
|---|---|
| T156 | 1 024240156 |
| TV148 | 1 024000500 |

## T157

| | |
|---|---|
| 1082BM | 160 mm |
| 1150BM | 180 mm |
| 1048BM | 250 mm |

1,1 kg

| | |
|---|---|
| T157 | 1 024240157 |
| TV148 | 1 024000500 |

## T160

| | |
|---|---|
| 1290 | 3x75<br>3x100<br>4x100<br>4x150<br>5,5x100<br>5,5x150<br>6,5x150<br>8x150<br>10x200 mm |
| 1290N | 4x30<br>6,5x30 mm |

1,3 kg

| | |
|---|---|
| T160 | 1 024240160 |
| TV160 | 1 024000706 |

## T161

| | |
|---|---|
| 1292 | PH0x60<br>PH0x100<br>PH1x80<br>PH1x120<br>PH2x100<br>PH2x150<br>PH3x150 mm |
| 1292N | PH1x30<br>PH2x30 mm |

1 kg

| | |
|---|---|
| T161 | 1 024240161 |
| TV161 | 1 024000707 |

## T164

| | |
|---|---|
| 952 | 8-10-13-17-19 mm |
| 959 | 16 mm (5/8") - 20,8 mm (13/16") |
| 1260 | 3x75-4x100-5,5x100-6,5x150-10x200 mm |
| 1262 | PH0x60-PH1x80-PH2x100-PH3x150 mm |

5 kg

| | |
|---|---|
| T164 | 1 024240164 |
| TV61 | 1 024000721 |

## T167

11

| | |
|---|---|
| 1260 | 3x75<br>3x100<br>4x100<br>4x150<br>5,5x100<br>5,5x150<br>6,5x150<br>8x150<br>10x200 mm |
| 1260N | 4x30<br>6,5x30 mm |

1,3 kg

| | |
|---|---|
| T167 | 1 024240167 |
| TV160 | 1 024000706 |

## T168

9

| | |
|---|---|
| 1262 | PH0x60<br>PH0x100<br>PH1x80<br>PH1x120<br>PH2x100<br>PH2x150<br>PH3x150 mm |
| 1262N | PH1x30<br>PH2x30 mm |

1 kg

| | |
|---|---|
| T168 | 1 024240168 |
| TV161 | 1 024000707 |

## T170

7

| | |
|---|---|
| 1290 | 2,5x50<br>3x75<br>3,5x100<br>4x125<br>5,5x100<br>5,5x150<br>6,5x150 mm |

450 g

| | |
|---|---|
| T170 | 1 024240170 |
| TV170 | 1 024000741 |

## T171

5

| | |
|---|---|
| 1290 | 8x150<br>8x200<br>10x200 mm |
| 1290N | 4x30<br>6,5x30 mm |

750 g

| | |
|---|---|
| T171 | 1 024240171 |
| TV171 | 1 024000742 |

## T172

6

| | |
|---|---|
| 1292 | PH0x60<br>PH0x100<br>PH1x80<br>PH1x120<br>PH2x100<br>PH2x150 mm |

450 g

| | |
|---|---|
| T172 | 1 024240172 |
| TV172 | 1 024000743 |

## T173

4

| | |
|---|---|
| 1292 | PH3x150<br>PH4x200 mm |
| 1292N | PH1x30<br>PH2x30 mm |

560 g

| | |
|---|---|
| T173 | 1 024240173 |
| TV173 | 1 024000744 |

## T175

7

| | |
|---|---|
| 1297TX | T6-T7-T8-T9<br>T10-T15-T20 |

410 g

| | |
|---|---|
| T175 | 1 024240175 |
| TV175 | 1 024000760 |

## T176

5

| | |
|---|---|
| 1297TX | T25-T27-T30<br>T40-T45 |

640 g

| | |
|---|---|
| T176 | 1 024240176 |
| TV176 | 1 024000761 |

## T177

8

| | |
|---|---|
| 1298RTX | T9-T10-T15<br>T20-T25-T27<br>T30-T40 |

680 g

| | |
|---|---|
| T177 | 1 024240177 |
| TV177 | 1 024000759 |

## T180

7

| | |
|---|---|
| 1290 | 3x75<br>4x100<br>5,5x150<br>6,5x150 mm |
| 1292 | PH0x60<br>PH1x80<br>PH2x100 mm |

480 g

| | |
|---|---|
| T180 | 1 024240180 |
| TV180 | 1 024000701 |

## T183

5

| | |
|---|---|
| 1292L | PH1x400-PH2x400 mm |
| 1294L | 3x300-4x400-5x400 mm |

580 g

| | |
|---|---|
| T183 | 1 024240183 |
| TV183 | 1 024000497 |

## T198

7

| | |
|---|---|
| 1260 | 3x75<br>4x100<br>5,5x150<br>6,5x150 mm |
| 1269PZ | PZ0 - PZ1 - PZ2 |

490 g

| | |
|---|---|
| T198 | 1 024240198 |
| TV180 | 1 024000701 |

## T199

| | |
|---|---|
| 1260 | 2,5x50<br>3x75<br>3,5x100<br>4x125<br>5,5x100<br>5,5x150<br>6,5x150 mm |

490 g

| | |
|---|---|
| T199 | 1 024240199 |
| TV170 | 1 024000741 |

## T205

| | |
|---|---|
| 1267TX | T6-T7-T8-T9<br>T10-T15-T20 |

460 g

| | |
|---|---|
| T205 | 1 024240205 |
| TV175 | 1 024000760 |

## T209

| | |
|---|---|
| 1262L | PH1x400-PH2x400 mm |
| 1264L | 3x300-4x400-5x400 mm |

580 g

| | |
|---|---|
| T209 | 1 024240209 |
| TV183 | 1 024000497 |

## T201

| | |
|---|---|
| 1260 | 8x200<br>10x150<br>10x200 mm |
| 1260N | 4x30<br>6,5x30 mm |

680 g

| | |
|---|---|
| T201 | 1 024240201 |
| TV171 | 1 024000742 |

## T206

| | |
|---|---|
| 1267TX | T25-T27-T30<br>T40-T45 |

710 g

| | |
|---|---|
| T206 | 1 024240206 |
| TV176 | 1 024000761 |

## T211

| | |
|---|---|
| 1201E | 2,5x50<br>3x75<br>3,5x100<br>4x125<br>5,5x100<br>5,5x150<br>6,5x150 mm |

490 g

| | |
|---|---|
| T211 | 1 024240211 |
| TV170 | 1 024000741 |

## T202

| | |
|---|---|
| 1262 | PH0x60<br>PH0x100<br>PH1x80<br>PH1x120<br>PH2x100<br>PH2x150 mm |

490 g

| | |
|---|---|
| T202 | 1 024240202 |
| TV172 | 1 024000743 |

## T207

| | |
|---|---|
| 1268RTX | T9-T10-T15<br>T20-T25-T27-T30 |

760 g

| | |
|---|---|
| T207 | 1 024240207 |
| TV207 | 1 024000758 |

## T213

| | |
|---|---|
| 1202E | PH0x60<br>PH1x80<br>PH1x120<br>PH2x100<br>PH2x150<br>PH3x150 mm |

490 g

| | |
|---|---|
| T213 | 1 024240213 |
| TV212 | 1 024000440 |

## T204

| | |
|---|---|
| 1262 | PH3x150<br>PH4x200 mm |
| 1262N | PH1x30<br>PH2x30 mm |

610 g

| | |
|---|---|
| T204 | 1 024240204 |
| TV173 | 1 024000744 |

## T208

| | |
|---|---|
| 1260 | 3x75<br>4x100<br>5,5x150<br>6,5x150 mm |
| 1262 | PH0x60<br>PH1x80<br>PH2x100 mm |

530 g

| | |
|---|---|
| T208 | 1 024240208 |
| TV180 | 1 024000701 |

## T216

| | |
|---|---|
| 1207E/TX | T6-T7-T8-T9<br>T10-T15-T20 |

410 g

| | |
|---|---|
| T216 | 1 024240216 |
| TV175 | 1 024000760 |

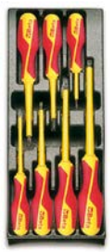
## T221

| | |
|---|---|
| 1201E | 3x75<br>4x100<br>5,5x150<br>6,5x150 mm |
| 1202E | PH0x60<br>PH1x80<br>PH2x100 mm |

530 g

| | |
|---|---|
| T221 | 1 024240221 |
| TV180 | 1 024000701 |

## T226



| | |
|---|---|
| 1274MQ | 3x100<br>4x100<br>5,5x125<br>6,5x150 mm |
| 1272MQ | PH0x60<br>PH1x80<br>PH2x100 mm |
| | 1000 V |

460 g

| | |
|---|---|
| T226 | 1 024240226 |
| TV180 | 1 024000701 |

## T227

| | |
|---|---|
| 944BX | 5-6-7-8-10-13 mm |

490 g

| | |
|---|---|
| T227 | 1 024240227 |
| TV227 | 1 024000705 |

## T228

| | |
|---|---|
| 1290INOX | 3x75 - 4x100 -<br>5,5x150 - 6,5x150 mm |
| 1292INOX | PH0x60 - PH1x80 -<br>PH2x100 mm |

480 g

| | |
|---|---|
| T228 | 1 024240228 |
| TV180 | 1 024000701 |

## T231

| | |
|---|---|
| 1370 | 400 g |
| 1390 | Ø 35 mm |
| 1719BMA/T | 200 mm |
| 1719BMA/P | 200 mm |
| 1719BMA/M | 200 mm |

1,7 kg

| | |
|---|---|
| T231 | 1 024240231 |
| TV230 | 1 024000411 |

## T233

| | |
|---|---|
| 35 | 100-200 mm |
| 1370F | 32 mm |
| 1390 | Ø 35 mm |

1,3 kg

| | |
|---|---|
| T233 | 1 024240233 |
| TV232 | 1 024000452 |

## T234

| | |
|---|---|
| 35 | 100-200 mm |
| 1370 | 300 g |
| 1390 | Ø 35 mm |

1,3 kg

| | |
|---|---|
| T234 | 1 024240234 |
| TV232 | 1 024000452 |

## T236

| | |
|---|---|
| 1719BMA/Q | 200 mm |
| 1719BMA/T | 200 mm |
| 1719BMA/P | 200 mm |
| 1719BMA/M | 200 mm |
| 1719BMA/R | 200 mm |

870 g

| | |
|---|---|
| T236 | 1 024240236 |
| TV235 | 1 024000453 |

## T239

| | |
|---|---|
| 31BM | Ø 2-3-4-5-6-8 mm |
| 32 | Ø 4 mm |

850 g

| | |
|---|---|
| T239 | 1 024240239 |
| TV239 | 1 024000439 |

## T241

| | |
|---|---|
| 1500N/1 | |
| 1500N/3 | |
| 1516/1 | |

4,2 kg

| | |
|---|---|
| T241 | 1 024240241 |
| TV241 | 1 024000414 |

## T250

*Automotive*

| | |
|---|---|
| 34 | 150 mm |
| 83/S3 | 11x13-14x17<br>19x22 mm |
| 1458 | 175 mm |
| 1491 | |
| 1603 | |
| 1708/13 | 0,05÷1 mm |

1430 g

| | |
|---|---|
| T250 | 1 024240250 |
| TV250 | 1 024000408 |

## T256

*Automotive*

| | |
|---|---|
| 956E | 16 mm (5/8) - 20,8 mm (13/16) |
| 956L | 16 mm (5/8) - 20,8 mm (13/16) |
| 959 | 16 mm (5/8) - 20,8 mm (13/16) |
| 1164 | 200 mm |
| 1708/20 | 0,05÷1 mm |

3,2 kg

| | |
|---|---|
| T256 | 1 024240256 |
| TV255 | 1 024000467 |

## T259

40

| | |
|---|---|
| 96BP | 2,5-3-4-5 6-8-10 mm |
| 96N | 12 mm |
| 860MIX/A31 | |
| | |
| | |
| | |
| 895/1 | |

950 g

| | |
|---|---|
| T259 | 1 024240259 |
| TV263 | 1 024000492 |

## T264

16

| | |
|---|---|
| 1491 | Ø 65÷110 mm |
| 1494 | 10 mm |
| 1494E | 8-9-10-11-12-14-17 mm |
| 1494Q | 8-9,5-12-13 mm |
| 1494T | Δ 9,5 |
| 1494XZN | 16 |
| 1496C | 8x 10 mm |

2,1 kg

| | |
|---|---|
| T264 | 1 024240264 |
| TV264 | 1 024000466 |

## T270

60

| | |
|---|---|
| 430 | M3 - 4 - 5 - 6 - 7 - 8 - 9 10 - 12 - 14 - 16 - 18 - 20 |
| 433 | M6x0,75 - M8x1 - M10x1,25 M12x1,5 - M14x1,5 M16x1,5 - M18x1,5 |
| 440 | M3 - 4 - 5 - 6 - 7 - 8 - 9 |
| 440A | M10 - 12 - 14 - 16 - 18 - 20 |
| 441 | M6x0,75 - M8x1,0 |
| 441A | M10x1,25 - M12x1,5 M14x1,5 - M16x1,5 M18x1,5 |

4,3 kg

| | |
|---|---|
| T270 | 1 024240270 |
| TV270 | 1 024000481 |

## T273

7

| | |
|---|---|
| 435/1,5 | M3÷M12 |
| 435/3 | M5÷M21 |
| 436/1 | □ 2,0÷5,0 mm (M3÷M8) |
| 436/2 | □ 4,6÷8 mm (M5÷M12) |
| 444/1 | Ø 25,4 mm |
| 444/2 | Ø 38,1 mm |
| 1707 | W 62÷4x1" |

2,1 kg

| | |
|---|---|
| T273 | 1 024240273 |
| TV272 | 1 024000482 |

## T281

1

| | |
|---|---|
| 1741B | 250 mm |
| 1741RV2,9K | 2,9x6 mm (100) |
| 1741RV3,2K | 3,2x8 mm (100) |
| 1741RV3,8K | 3,8x10 mm (100) |
| 1741RV4K | 4x12 mm (100) |

1,4 kg

| | |
|---|---|
| T281 | 1 024240281 |
| TV280 | 1 024000478 |

## T285

5

| | |
|---|---|
| 1112 | 250 mm |
| 1128BM | - |
| 1726 | 400 mm |
| 1728BM | (5) |
| 1753 | 200 cc |

1,5 kg

| | |
|---|---|
| T285 | 1 024240285 |
| TV285 | 1 024000487 |

## T284

10

| | |
|---|---|
| 1128BMX | |
| 1130BMX | |
| 1719BMA...Q | 200 mm |
| 1719BMA...T | 200 mm |
| 1719BMA...P | 200 mm |
| 1719BMA...M | 200 mm |
| 1719BMA...R | 200 mm |
| 1726BM | 400 mm |
| 1728BM | |
| 1771BM | 170 mm |
| 1778V18 | 185 mm |

3,3 kg

| | |
|---|---|
| T284 | 1 024240284 |
| TV286 | 1 024249904 |

## T289

4

| | |
|---|---|
| 1692 | 5 m |
| 1725CR | - |
| 1755 | 30 cc |
| 1771 | - |

500 g

| | |
|---|---|
| T289 | 1 024240289 |
| TV290 | 1 024000455 |

## T291

3

| | |
|---|---|
| 1479RB/1 | |
| 1479RB/2 | |
| 1479RB/3 | |

600 g

| | |
|---|---|
| T291 | 1 024240291 |
| TV291 | 1 024000472 |

## T297

3

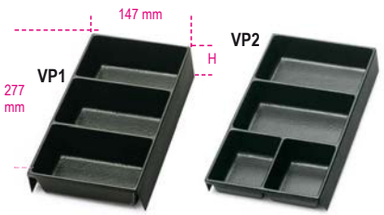
1651DGT
1682
1691BM

490 g

| | | |
|---|---|---|
| T297 | 1 | 024240297 |
| TV296 | 1 | 024000749 |

## VP1 - VP2

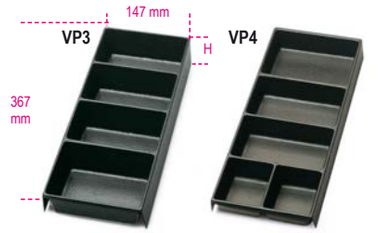
thermoformed trays for small items,
made from plastic
for all roller cabs C22, C23, C23C




| | H mm | | |
|---|---|---|---|
| VP1 | 50 | 1 | 088880351 |
| VP2 | 35 | 1 | 088880352 |

## VP3 - VP4

thermoformed trays for small items,
made from plastic
for all roller cabs and all trolleys




| | H mm | | |
|---|---|---|---|
| VP3 | 50 | 1 | 088880353 |
| VP4 | 35 | 1 | 088880354 |

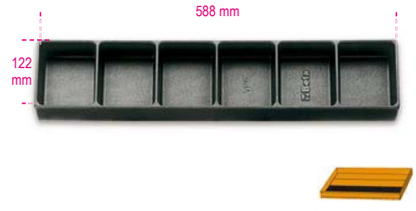
## VP5

thermoformed tray

| | | |
|---|---|---|
| VP5 | 1 | 088880355 |

## VP6

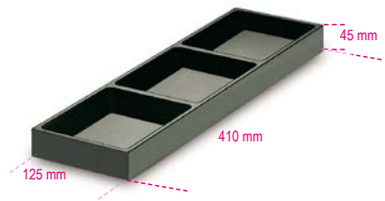
thermoformed tray




| | | |
|---|---|---|
| VP6 | 1 | 088880359 |

## VP-3SC

thermoformed tool trays,
made from plastic,
for mobile roller cab C38 +C04TSS-7




| | H mm | | |
|---|---|---|---|
| VP-3SC | 45 | 1 | 088880356 |

## VP-LS

thermoformed tool trays,
made from plastic,
for mobile roller cab C38 +C04TSS-7

| | H mm | | |
|---|---|---|---|
| VP-LS | 45 | 1 | 088880357 |

## VP-LD

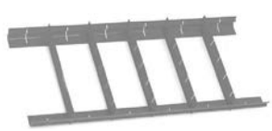
thermoformed tool trays,
made from plastic,
for mobile roller cab C38

| | H mm | | |
|---|---|---|---|
| VP-LD | 45 | 1 | 088880358 |

## 8889P1

parallel partitions for item RSC22 e C27S

**drawer 588x257 mm**

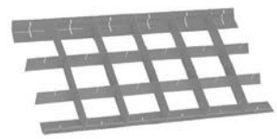


| | h | | |
|---|---|---|---|
| 8889P1/5 | 50 mm | 1 | 088890005 |
| 8889P1/7 | 70 mm | 1 | 088890007 |

## 8889C1

crossed partitions for item RSC22 and C27S

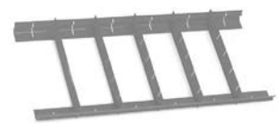
**for drawer 588x257 mm**



| | h | | |
|---|---|---|---|
| 8889C1/5 | 50 mm | 1 | 088890015 |
| 8889C1/7 | 70 mm | 1 | 088890017 |

## 8889P2

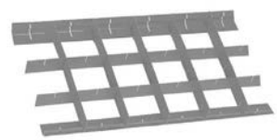
parallel partitions for standard drawer 588x367 mm



| | h | | |
|---|---|---|---|
| 8889P2/7 | 70 mm | 1 | 088890107 |

## 8889C2

crossed partitions for standard drawer 588x367 mm

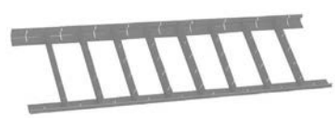


| | h | | |
|---|---|---|---|
| 8889C2 | 70 mm | 1 | 088890117 |

## 8889P3

parallel partitions for item RSC24AXL

**for drawer 882x367 mm**

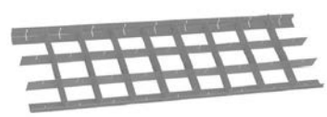


| | h | | |
|---|---|---|---|
| 8889P3 | 70 mm | 1 | 088890207 |

## 8889C3

crossed partitions for RSC24AXL

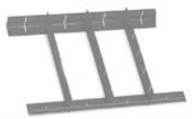
**for drawer 882x367 mm**



| | h | | |
|---|---|---|---|
| 8889C3 | 70 mm | 1 | 088890217 |

## 8889P4
parallel partitions for item C41

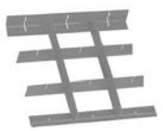
**for drawer 418x205 mm**



| | h | | |
|---|---|---|---|
| **8889P4** | 70 mm | 1 | 088890307 |

## 8889I4
crossed partition for item trolley C41

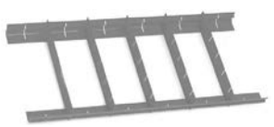
**for drawer 418x205 mm**



| | h | | |
|---|---|---|---|
| **8889C4** | 70 mm | 1 | 088890317 |

## 8889PS
parallel partitions for item C38 - C45PRO M4/M5/M7

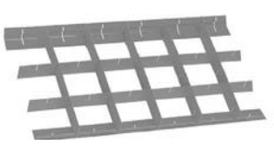
**left side drawer 570x410 mm**



| | h | | |
|---|---|---|---|
| **8889PS/7** | 70 mm | 1 | 088890407 |

## 8889CS
crossed partitions for item C38 - C45PRO M4/M5/M7

**left side drawer 570x410 mm**



| | h | | |
|---|---|---|---|
| **8889CS/7** | 70 mm | 1 | 088890417 |

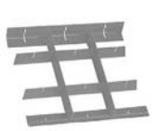
## 8889PD
parallel partitions for item C38

**right side drawer 313x410 mm**

| | h | | |
|---|---|---|---|
| **8889PD/7** | 70 mm | 1 | 088890427 |

## 8889CD
crossed partitions for item C38

**right side drawer 313x410 mm**



| | h | | |
|---|---|---|---|
| **8889CD/7** | 70 mm | 1 | 088890437 |

## 8889C6
crossed partitions for item C35

**for drawer 600x447 mm**

| | h | | |
|---|---|---|---|
| **8889C6/7,5** | 75 mm | 1 | 088890475 |
| **8889C6/10** | 100 mm | 1 | 088890480 |
| **8889C6/15** | 150 mm | 1 | 088890485 |
| **8889C6/20** | 200 mm | 1 | 088890490 |

## SB
socket rails

| | L mm | | |
|---|---|---|---|
| **SB1** | 210 | 10 | 088880201 |
| **SB2** | 280 | 10 | 088880202 |
| **SB3** | 360 | 10 | 088880203 |

## PM 1/2-Q5
magnetic socket rail

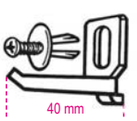
12"

| | | | |
|---|---|---|---|
| **PM 1/2-Q5** | | 1 | 088880233 |

## MB
socket clips for rails SB

| | □ | | |
|---|---|---|---|
| **MB0** | 1/4 | 50 | 088880210 |
| **MB1** | 3/8 | 50 | 088880211 |
| **MB2** | 1/2 | 50 | 088880212 |

## KIT/GPS
kit of 40-mm GPS hooks with screws VE1




| | | | |
|---|---|---|---|
| **KIT/GPS** | | 50 | 088880119 |

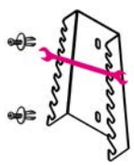
## VE1
expansion bolts

| | | | |
|---|---|---|---|
| **VE1** | | 20 | 088880120 |

## GM
snap hooks with screw

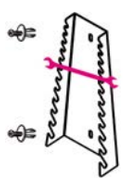
| | ø mm | | |
|---|---|---|---|
| **6,5** | | 5 | 088880250 |
| **9,5** | | 5 | 088880251 |
| **13** | | 5 | 088880252 |
| **16** | | 5 | 088880253 |
| **19** | | 5 | 088880254 |
| **25** | | 5 | 088880255 |

## S55/8
supports for double open end wrenches



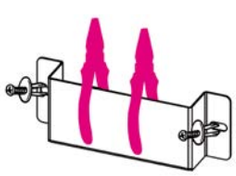
| | | |
|---|---|---|
| **S55/8** | 1 | 088880420 |
| 55/S8 | | |
| 55AS/8 | | |
| 55MP/S8 | | |

## S55/12
supports for double open end wrenches



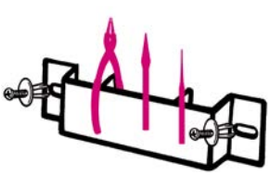
| | | |
|---|---|---|
| **S55/12** | 1 | 088880421 |
| 55/S12 | | |
| 55/S12X | | |
| 55AS/12 | | |
| 55MP/S12 | | |

## ST2P
pliers pocket



| | | |
|---|---|---|
| **ST2P** | 1 | 088880422 |

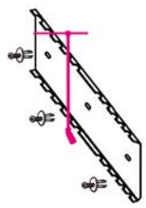
## TSPP
tool pockets



| | | |
|---|---|---|
| **TSPP** | 1 | 088880402 |

## S952/10

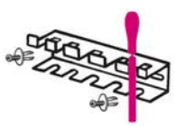
supports for T-handle wrenches with swivelling socket



| | | |
|---|---|---|
| **S952/10** | 1 | 088880423 |

## S1719BM

supports for files



| | | |
|---|---|---|
| **S1719BM**<br>1719BMA: Q-T-P-M-R<br>1719BMD: Q-T-P-M-R | 1 | 088880404 |

## SGN

supports for mini screwdrivers

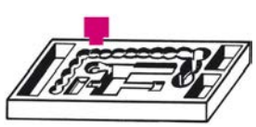
| | | |
|---|---|---|
| **SGN**<br>1290N-1292N-1299N/PZ<br>1260N-1262N-1269N/PZ<br>1201EN-1202EN-1209EN/PZ | 1 | 088880405 |

## CB/2

thermoformed tray for 1/2" sockets and accessories, empty

**Only for item C54S**

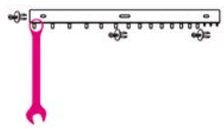
1/2"



| | | |
|---|---|---|
| **CB/2**<br>920A/920B<br>10÷24+26-27<br>28-30-32 mm<br>920/21-920/22-920/25-<br>920/42-920/55 | 1 | 088880411 |

## S42/17

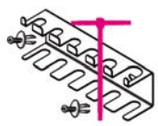
supports for combination wrenches



| | | |
|---|---|---|
| **S42/17**<br>42/S17<br>42MP/S17<br>42/S17X<br>42AS/17<br>142/S17 | 1 | 088880428 |

## S951/6

supports for T handle wrenches with hexagon male ends



| | | |
|---|---|---|
| **S951/6**<br>951/S6<br>951AS/S6X<br>951TX/S6 | 1 | 088880429 |

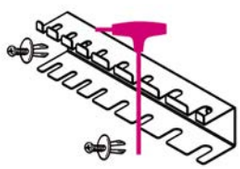
## SPG11 - S1203/8

supports for screwdrivers

| | | |
|---|---|---|
| **SPG11**<br>n.8 Ø = 7 mm<br>n.2 Ø = 10 mm<br>n.1 Ø = 12 mm | 1 | 088880910 |
| **S1203/8**<br>1203E/S8<br>1263/D8<br>1293/S8 | 1 | 088880430 |

## S96T/8

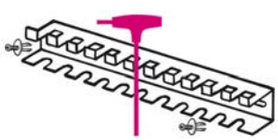
supports for hexagon key wrenches



| | | |
|---|---|---|
| **S96T/8** | 1 | 088880431 |

## 96T/SPV

supports for items 96T and 97TTX



| | | |
|---|---|---|
| **96T/SPV**<br>96T/S11<br>97TTX/S11 | 1 | 000960958 |

# Beta CHEMICALS

Tightening a bolt is not always enough to guarantee secure tightening. Cleaning, lubrication and sealing are also necessary.
The range comprises anaerobic sealants, cyanoacrylate adhesives and aerosol cans for maintaining, cleaning and lubricating mechanical parts.

**Anaerobic Products**

Anaerobic products allow complete filling of small superficial irregularities in metal, so that mechanical stress can be distributed throughout the connecting surface. They harden in total absence of oxygen and completely seal joints or threads from water, gas, oil, fuel and industrial fluids.
They are available in three different strengths – high (H), medium (M) and low (L) – and in different packs, to satisfy different needs.

**Silicone sealant**

- Enables permanent elastic sealing.
- Replaces preformed gaskets.
- The convenient dispenser allows easy (one-coated), accurate, uniform spreading of the product.
- Polymerizes by reacting with atmospheric moisture and forms an elastic, durable gasket.

**Instant Glue**

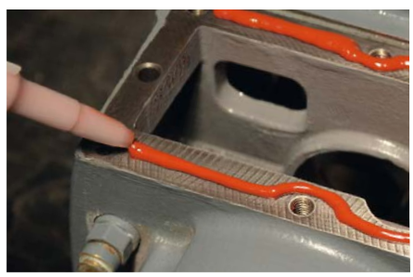
Adhesive based on ethyl cyanoacrylate, for structural joints in a number of materials.

**Aerosols**

A wide range of products in spray cans, for use for unlocking, greasing, lubricating, cleaning, galvanizing and sanitizing purposes.

**Liquids**

Developed to remove encrustations and rust from mechanical parts and metal objects. Ideal for use with ultrasonic cleaning tanks 1895.



**ATTENTION!**
Countries where the products of the Beta Chemicals range are allowed to be distributed: Austria, Belgium, China, Czech Republic, France, Hungary, Italy, Netherlands, Poland, Portugal, Republic of Ireland, Slovakia, Slovenia, Spain, Switzerland, United Kingdom, United Arab Emirates.

## 9803H
threadlocker-High Resistance

**Ideal for permanent locking of parts that do not need subsequent dismantling, and for passivated metal surfaces, including brass, aluminium and stainless steel.**
**Does not allow disassembly with hand tools.**

| | |
|---|---|
| **Temperature range (°C)** | **-50/+150** |
| Max gap fill (mm) | 0,25 |
| **Handling cure time (minutes)** | **10/15** |
| Functional cure time (h) | 3-6 |
| **Viscosity (mPa.s) 25°C** | **800/1200** |
| Breakaway torque ISO-10964 | 35-45 Nm |
| **Prevailing torque ISO-10964** | **30-40 Nm** |

| ml | | | |
|---|---|---|---|
| **20** | **bottle** | 12 | 098030002 |
| **50** | **bottle** | 4 | 098030005 |
| **250** | **bottle** | 4 | 098030025 |
| **20** | **bottle** | 12 | 098032002 |
| **50** | **bottle** | 4 | 098032005 |
| **250** | **bottle** | 4 | 098032025 |

## 9802M
threadlocker-Medium Resistance

**Ideal for fixing parts subject to periodic maintenance, bearings and bushes.**
**Allows dismantling by using hand tools.**

| | |
|---|---|
| **Temperature range (°C)** | **-50/+150** |
| Max gap fill (mm) | 0,15 |
| **Handling cure time (minutes)** | **10/15** |
| Functional cure time (h) | 3-6 |
| **Viscosity (mPa.s) 25°C** | **500/800** |
| Breakaway torque ISO-10964 | 22-30 Nm |
| **Prevailing torque ISO-10964** | **20-25 Nm** |

| ml | | | |
|---|---|---|---|
| **20** | **bottle** | 12 | 098020002 |
| **50** | **bottle** | 4 | 098020005 |
| **250** | **bottle** | 4 | 098020025 |
| **20** | **bottle** | 12 | 098022002 |
| **50** | **bottle** | 4 | 098022005 |
| **250** | **bottle** | 4 | 098022025 |

## 9801L
threadlocker-Low Resistance

**Ideal for fixing particular light alloys which could get damaged during disassembly and for adjusting screws.**
**Easier parts disassembly.**

| | |
|---|---|
| **Temperature range (°C)** | **-50/+150** |
| Max gap fill (mm) | 0,10 |
| **Handling cure time (minutes)** | **10/15** |
| Functional cure time (h) | 3-6 |
| **Viscosity (mPa.s) 25°C** | **500/800** |
| Breakaway torque ISO-10964 | 6-10 Nm |
| **Prevailing torque ISO-10964** | **4-8 Nm** |

| ml | | | |
|---|---|---|---|
| **20** | **bottle** | 12 | 098010002 |
| **50** | **bottle** | 4 | 098010005 |
| **250** | **bottle** | 4 | 098010025 |
| **20** | **bottle** | 12 | 098012002 |
| **50** | **bottle** | 4 | 098012005 |
| **250** | **bottle** | 4 | 098012025 |

## 9813H
thread sealant-High Resistance

**Ideal for permanent sealing of nipples, that do not need subsequent dismantling, and for passivated metal surfaces, including brass, aluminium and stainless steel.**
**Does not allow disassembly with hand tools.**

| | |
|---|---|
| **Temperature range (°C)** | **-50/+200** |
| Max gap fill (mm) | 0,15 |
| **Handling cure time (minutes)** | **10/15** |
| Functional cure time (h) | 3-6 |
| **Viscosity (mPa.s) 25°C** | **40.000/80.000** |
| Breakaway torque ISO-10964 | 35-45 Nm |
| **Prevailing torque ISO-10964** | **25-35 Nm** |

| ml | | | |
|---|---|---|---|
| **20** | **bottle** | 12 | 098130002 |
| **50** | **bellow bottle** | 6 | 098130305 |
| **50** | **tube** | 4 | 098130505 |
| **100** | **tube** | 4 | 098130510 |
| **250** | **tube** | 4 | 098130525 |
| **20** | **bottle** | 12 | 098132002 |
| **50** | **bellow bottle** | 6 | 098132305 |
| **50** | **tube** | 4 | 098132505 |
| **100** | **tube** | 4 | 098132510 |
| **250** | **tube** | 4 | 098132525 |

## 9812M
thread sealant-Medium Resistance

**Ideal for sealing nipples parts subject to periodic maintenance.**
**Allows dismantling by using hand tools.**

| | |
|---|---|
| **Temperature range (°C)** | **-50/+150** |
| Max gap fill (mm) | 0,35 |
| **Handling cure time (minutes)** | **12/18** |
| Functional cure time (h) | 3-6 |
| **Viscosity (mPa.s) 25°C** | **20.000/40.000** |
| Breakaway torque ISO-10964 | 27-35 Nm |
| **Prevailing torque ISO-10964** | **20-30 Nm** |

| ml | | | |
|---|---|---|---|
| **20** | **bottle** | 12 | 098120002 |
| **50** | **bellow bottle** | 6 | 098120305 |
| **50** | **tube** | 4 | 098120505 |
| **100** | **tube** | 4 | 098120510 |
| **250** | **tube** | 4 | 098120525 |
| **20** | **bottle** | 12 | 098122002 |
| **50** | **bellow bottle** | 6 | 098122305 |
| **50** | **tube** | 4 | 098122505 |
| **100** | **tube** | 4 | 098122510 |
| **250** | **tube** | 4 | 098122525 |

## 9811L
thread sealant-Low Resistance

**Ideal forsealing small or fine-pitch joints.**
**Easier parts disassembly.**

| | |
|---|---|
| **Temperature range (°C)** | **-50/+150** |
| Max gap fill (mm) | 0,20 |
| **Handling cure time (minutes)** | **10/15** |
| Functional cure time (h) | 3-6 |
| **Viscosity (mPa.s) 25°C** | **10.000/20.000** |
| Breakaway torque ISO-10964 | 6-10 Nm |
| **Prevailing torque ISO-10964** | **4-8 Nm** |

| ml | | | |
|---|---|---|---|
| **20** | **bottle** | 12 | 098110002 |
| **50** | **bellow bottle** | 6 | 098110305 |
| **50** | **tube** | 4 | 098110505 |
| **100** | **tube** | 4 | 098110510 |
| **250** | **tube** | 4 | 098110525 |
| **20** | **bottle** | 12 | 098112002 |
| **50** | **bellow bottle** | 6 | 098112305 |
| **50** | **tube** | 4 | 098112505 |
| **100** | **tube** | 4 | 098112510 |
| **250** | **tube** | 4 | 098112525 |

## 9823H
liquid gasket-High Resistance

**Ideal for permanent sealing of surfaces. Also ideal for reclaiming bearing housings and worn parts.**
**Does not allow disassembly with hand tools.**

| | |
|---|---|
| **Temperature range (°C)** | **-50/+150** |
| Max gap fill (mm) | 0,35 |
| **Handling cure time (minutes)** | **10/16** |
| Functional cure time (h) | 3-6 |
| **Viscosity (mPa.s) 25°C** | **100.000/200.000** |
| Breakaway torque ISO-10964 | 35-45 Nm |
| **Prevailing torque ISO-10964** | **20-30 Nm** |

| ml | | | |
|---|---|---|---|
| **20** | **bottle** | 12 | 098230002 |
| **50** | **bellow bottle** | 6 | 098230305 |
| **50** | **tube** | 4 | 098230505 |
| **100** | **tube** | 4 | 098230510 |
| **250** | **tube** | 4 | 098230525 |
| **20** | **bottle** | 12 | 098232002 |
| **50** | **bellow bottle** | 6 | 098232305 |
| **50** | **tube** | 4 | 098232505 |
| **100** | **tube** | 4 | 098232510 |
| **250** | **tube** | 4 | 098232525 |

## 9822M
liquid gasket-Medium Resistance

**Ideal for sealing of surfaces of parts subject to periodic maintenance**
**Allows dismantling by using hand tools.**

| | |
|---|---|
| **Temperature range (°C)** | **-50/+150** |
| Max gap fill (mm) | 0,35 |
| **Handling cure time (minutes)** | **10/15** |
| Functional cure time (h) | 3-6 |
| **Viscosity (mPa.s) 25°C** | **40.000/70.000** |
| Breakaway torque ISO-10964 | 25-35 Nm |
| **Prevailing torque ISO-10964** | **20-30 Nm** |

| ml | | | |
|---|---|---|---|
| **20** | **bottle** | 12 | 098220002 |
| **50** | **bellow bottle** | 6 | 098220305 |
| **50** | **tube** | 4 | 098220505 |
| **100** | **tube** | 4 | 098220510 |
| **250** | **tube** | 4 | 098220525 |
| **20** | **bottle** | 12 | 098222002 |
| **50** | **bellow bottle** | 6 | 098222305 |
| **50** | **tube** | 4 | 098222505 |
| **100** | **tube** | 4 | 098222510 |
| **250** | **tube** | 4 | 098222525 |

## 9821L
liquid gasket-Low Resistance

**Ideal for sealing of surfaces of parts subject to frequent maintenance.**
**Protects threads from corrosion and seizure from corrosion.**
**Easier parts disassembly.**

| | |
|---|---|
| **Temperature range (°C)** | **-50/+150** |
| Max gap fill (mm) | 0,35 |
| **Handling cure time (minutes)** | **20/30** |
| Functional cure time (h) | 3-6 |
| **Viscosity (mPa.s) 25°C** | **60.000/90.000** |
| Breakaway torque ISO-10964 | 7-11 Nm |
| **Prevailing torque ISO-10964** | **4-9 Nm** |

| ml | | | |
|---|---|---|---|
| **20** | **bottle** | 12 | 098210002 |
| **50** | **bellow bottle** | 6 | 098210305 |
| **50** | **tube** | 4 | 098210505 |
| **100** | **tube** | 4 | 098210510 |
| **250** | **tube** | 4 | 098210525 |
| **20** | **bottle** | 12 | 098212002 |
| **50** | **bellow bottle** | 6 | 098212305 |
| **50** | **tube** | 4 | 098212505 |
| **100** | **tube** | 4 | 098212510 |
| **250** | **tube** | 4 | 098212525 |

## 9833H
locker-High Resistance

**Ideal for fixing parts that do not need subsequent dismantling**
**Also suitable for fixing already installed devices that are difficult to dismantle.**
**Does not allow disassembly with hand tools.**

| | |
|---|---|
| **Temperature range (°C)** | **-50/+180** |
| Max gap fill (mm) | 0,15 |
| **Handling cure time (minutes)** | **10/15** |
| Functional cure time (h) | 3-6 |
| **Viscosity (mPa.s) 25°C** | **400/700** |
| Breakaway torque ISO-10964 | 35-45 Nm |
| **Prevailing torque ISO-10964** | **30-40 Nm** |

| ml | | | |
|---|---|---|---|
| **20** | **bottle** | 12 | 098330002 |
| **50** | **bottle** | 4 | 098330005 |
| **250** | **bottle** | 4 | 098330025 |
| **20** | **bottle** | 12 | 098332002 |
| **50** | **bottle** | 4 | 098332005 |
| **250** | **bottle** | 4 | 098332025 |

## 9832M
locker-Medium Resistance

**Ideal for fixing parts subject to periodic maintenance.**
**Allows dismantling by using hand tools.**

| | |
|---|---|
| **Temperature range (°C)** | **-50/+180** |
| Max gap fill (mm) | 0,25 |
| **Handling cure time (minutes)** | **12/20** |
| Functional cure time (h) | 3-6 |
| **Viscosity (mPa.s) 25°C** | **2000/4000** |
| Breakaway torque ISO-10964 | 25-35 Nm |
| **Prevailing torque ISO-10964** | **18-28 Nm** |

| ml | | | |
|---|---|---|---|
| **20** | **bottle** | 12 | 098320002 |
| **50** | **bottle** | 4 | 098320005 |
| **250** | **bottle** | 4 | 098320025 |
| **20** | **bottle** | 12 | 098322002 |
| **50** | **bottle** | 4 | 098322005 |
| **250** | **bottle** | 4 | 098322025 |

## 9831L
locker-Low Resistance

**Ideal for fixing small parts subject to frequent maintenance.**
**Easier parts disassembly.**

| | |
|---|---|
| **Temperature range (°C)** | **-50/+150** |
| Max gap fill (mm) | 0,10 |
| **Handling cure time (minutes)** | **10/15** |
| Functional cure time (h) | 3-6 |
| **Viscosity (mPa.s) 25°C** | **500/800** |
| Breakaway torque ISO-10964 | 6-10 Nm |
| **Prevailing torque ISO-10964** | **4-8 Nm** |

| ml | | | |
|---|---|---|---|
| **20** | **bottle** | 12 | 098310002 |
| **50** | **bottle** | 4 | 098310005 |
| **250** | **bottle** | 4 | 098310025 |
| **20** | **bottle** | 12 | 098312002 |
| **50** | **bottle** | 4 | 098312005 |
| **250** | **bottle** | 4 | 098312025 |

## 9841N

black acetic-reticulation silicone sealant, resistant to high temperatures, with convenient pressure dispenser

**Withstands temperatures up to 240 °C**
**Enables permanent elastic sealing. Replaces preformed gaskets.**
**The dispenser allows easy, accurate, uniform spreading of the product.**
**Polymerizes by reacting with atmospheric moisture and forms an elastic, durable gasket.**
**Ideal for oil sumps, oil pumps, housings, gearboxes, engine parts that are not subject to high pressure and applications that require resistance to high temperatures. Adheres to non-porous substrates, including glass, coated wood, ceramic and enamel. Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates.**
**Cannot be painted.**

| ml | | |
|---|---|---|
| 200 | 12 | 098410120 |
| 200 | 12 | 098412120 |

## 9841R

red acetic-reticulation silicone sealant, resistant to high temperatures, with convenient pressure dispenser

**Withstands temperatures up to 300 °C.**
**Enables permanent elastic sealing. Replaces preformed gaskets.**
**The dispenser allows easy, accurate, uniform spreading of the product.**
**Polymerizes by reacting with atmospheric moisture and forms an elastic, durable gasket.**
**Ideal for oven and furnace doors, plates, heating systems, outlets, thermostats, pumps, heating pipes, engine parts that are not subject to high pressure and applications that require resistance to high temperatures. Adheres to non-porous substrates, including glass, coated wood, ceramic and enamel. Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates.**
**Cannot be painted.**

| ml | | |
|---|---|---|
| 200 | 12 | 098410020 |
| 200 | 12 | 098412020 |

## 9851

instant glue for structural joints

**based on ethyl cyanoacrylate**
**for adhesion of a wide range of materials, including metal, plastics,**
**leather, wood and several other types of substrates, whether combined with each other or separate;**
**bonds quickly.**

| | |
|---|---|
| **Temperature (°C)** | **-55/+82** |
| Viscosity (mPa.s) 25 °C | 80-120 |

| g | | | |
|---|---|---|---|
| 5 | tube | 24 | 098510500 |
| 20 | bottle | 12 | 098510002 |
| 50 | bottle | 10 | 098510005 |
| 500 | bottle | 1 | 098510050 |
| 5 | tube | 24 | 098512500 |
| 20 | bottle | 12 | 098512002 |
| 50 | bottle | 10 | 098512005 |
| 500 | bottle | 1 | 098512050 |

## 9710 - LUBRIBETA universal

7-in-1 multipurpose unlocking lubricant

**1. Unlocking;**
**2. Lubricating;**
**3. Detergent, degreasing;**
**4. Rust protective;**
**5. Deoxidizing, for electrical contacts;**
**6. Waterproof;**
**7. Antifreezing.**
**Silicone-free.**

| ml | | |
|---|---|---|
| 400 | 12 | 097100040 |
| 400 | 12 | 097101040 |
| 400 | 12 | 097102040 |

## 9712 - Ultra Sblock

unlocking lubricant, super-penetrating

**Unlocking, deoxidizing, waterproof.**
**Ideal for dissolving rust from nuts, bolts, screws and gears.**

| ml | | |
|---|---|---|
| 400 | 12 | 097120040 |
| 400 | 12 | 097121040 |
| 400 | 12 | 097122040 |

## 9720 - Multi Grease

multipurpose grease

**Particularly useful for lubricating chains, gears and moving metal parts. Resistant to friction and weather.**
**Highly adhesive. Does not drip.**

| ml | | |
|---|---|---|
| 400 | 12 | 097200040 |
| 400 | 12 | 097201040 |
| 400 | 12 | 097202040 |

## 9722 - Lithium Grease

white lithium grease

**Based on grease with lithium, titanium and zinc oxide soaps.**
**Ideal for lubricating gears, bearings and joints.**
**Specific for marine applications.**
**Highly resistant to water, sea salt, weather and high temperatures.**
**Does not drip.**

| ml | | |
|---|---|---|
| 400 | 12 | 097220040 |
| 400 | 12 | 097221040 |
| 400 | 12 | 097222040 |

## 9724 - PTFE Grease

PTFE based grease

Particularly suitable for lubricating industrial chains and mechanical movements subject to heavy stress and low rotation speeds. Suitable for applications on plastics and rubber.
Totally colourless. Waterproof and resistant to oxidation.

| ml | | |
|---|---|---|
| 400 | 12 | 097240040 |
| 400 | 12 | 097241040 |
| 400 | 12 | 097242040 |

## 9726 - Copper Grease

copper grease

Suitable for lubricating joints, bolts, gears, driveshafts and other metal parts subject to high temperatures (up to 1,000 °C).
Protective, anti-wear. Prevents oxidation.
Does not drip.

| ml | | |
|---|---|---|
| 400 | 12 | 097260040 |
| 400 | 12 | 097261040 |
| 400 | 12 | 097262040 |

## 9729 - Silic Spray

silicone spray

Suitable for lubricating plastic, rubber and metal parts.
Protects from corrosion. Detaching. Antistatic.
Waterproof. Can be used to polish wood, plastics and rubber.
Solvent-free.

| ml | | |
|---|---|---|
| 400 | 12 | 097290040 |
| 400 | 12 | 097291040 |
| 400 | 12 | 097292040 |

## 9738 - Cutting Oil

cutting oil

Highly lubricating and protective.
Suitable for milling, boring, threading, drilling and manual and automatic machine working.
Highly resistant to oxidation.
Water washable. Solvent-free.

| ml | | |
|---|---|---|
| 400 | 12 | 097380040 |
| 400 | 12 | 097381040 |
| 400 | 12 | 097382040 |

## 9740 - Brake Cleaner

brake cleaner

Ideal for cleaning brake discs and pads, engines.
Removes grease and tar, without leaving residue.
Evaporates quickly.
Does not damage plastics and rubber.

| ml | | |
|---|---|---|
| 500 | 12 | 097400050 |
| 500 | 12 | 097401050 |
| 500 | 12 | 097402050 |

## 9741 - Multi Cleaner

multipurpose detergent/degreaser

Detergent and degreaser for dissolving grease, oil, tar, silicone and glue.
Suitable for cleaning metal, hard plastic, ceramic, steel and aluminium surfaces.
Free from oil residues.

| ml | | |
|---|---|---|
| 400 | 12 | 097410040 |
| 400 | 12 | 097411040 |
| 400 | 12 | 097412040 |

## 9742 - Contact Cleaner

cleaner for electric and electronic contacts

Removes grease and dirt, without leaving oily residue.
Evaporates quickly.
Does not damage plastics and rubber.

| ml | | |
|---|---|---|
| 400 | 12 | 097420040 |
| 400 | 12 | 097421040 |
| 400 | 12 | 097422040 |

## 9743 - SURFACE CLEANER

foam detergent

Foam detergent for all types of surfaces, tools and fabrics.
Based on quaternary ammonium salts, it forms an active foam which cleans and removes dirt and grease.
Removes bad smells. No rinse required. Not a disinfectant.

| ml | | |
|---|---|---|
| 500 | 12 | 097430050 |
| 500 | 12 | 097431050 |
| 500 | 12 | 097432050 |

## 9745 - Carb Cleaner

cleaner for carburettors and throttle bodies

Specific for interior and exterior cleaning of carburettors, suction ducts and throttle bodies.
Totally removes carbonaceous residue, deposits and impurities.
Does not leave oily residue.

| ml | | |
|---|---|---|
| 400 | 12 | 097450040 |
| 400 | 12 | 097451040 |
| 400 | 12 | 097452040 |

## 9746 - Clima Cleaner

air conditioner cleaner

Cleaner for industrial, civil and car air conditioners. Based on its thick foam formulation and the straw supplied with it, it allows dirt, deposits and odours to be removed from ducts, leaving a pleasant fragrance.

| ml | | |
|---|---|---|
| 400 | 12 | 097460040 |
| 400 | 12 | 097461040 |
| 400 | 12 | 097462040 |

## 9749 - Air Spray

air spray

Compressed gas aerosol spray. Ideal for removing dust deposits from cracks, gear, electrical parts, keyboards and delicate mechanisms in general. The aerosol can with straw allows hardly accessible parts to be easily reached.

| ml | | |
|---|---|---|
| 400 | 12 | 097490040 |
| 400 | 12 | 097491040 |
| 400 | 12 | 097492040 |

## 9752 - Zinc 98%

clear zinc

Highly covering, it is ideal for galvanizing iron parts.
Highly adhesive, it forms an elastic film of very light colour, similar to hot galvanizing.
Particularly resistant to oxidation, abrasion and weather.
Can be overpainted. Does not drip.

| ml | | |
|---|---|---|
| 400 | 12 | 097520040 |
| 400 | 12 | 097521040 |
| 400 | 12 | 097522040 |

## 9755 - Welding Spray

welding anti-spatter spray

Silicone-free welding anti-spatter spray. It prevents slag adhesion, thereby making welding easier and quicker. For use on parts that need welding and as a protector for welding torch nozzles. It makes it possible to carry out subsequent operations, e.g. painting, galvanizing and chrome-plating. No fumes. Easy to remove. Chlorinated-free.

| ml | | |
|---|---|---|
| 400 | 12 | 097550040 |
| 400 | 12 | 097551040 |
| 400 | 12 | 097552040 |

## 9765 - Deicer Spray

de-icer spray

De-icer and defroster spray, for removing ice and frost from windows. Also ideal for frozen locks and mechanisms. Effective down to -40 °C. Nongreasy, smear-free. Does not affect treated surfaces, rubber and plastics.

| ml | | |
|---|---|---|
| 400 | 12 | 097650040 |
| 400 | 12 | 097651040 |
| 400 | 12 | 097652040 |

## 9775 - Water Stop

fabric waterproofing spray

Waterproofing, water-repellent spray for textiles and leather. Ideal for footwear, jackets and clothing in general. It allows fabrics to be waterproofed, without affecting breathability. Based on its stain resistance properties, fabrics are easier to wash. Improved resistance to bending and abrasion.

| ml | | |
|---|---|---|
| 400 | 12 | 097750040 |
| 400 | 12 | 097751040 |
| 400 | 12 | 097752040 |

## 9881U

industrial alkaline detergent for ultrasonic tank

Industrial alkaline detergent, concentrated, water-based.
For ultrasonic cleaning and other purification processes.
Allows spare parts and metal pieces in general (injectors, carburettors, valves etc.) to be accurately and effectively cleaned.
Removes oil, grease, lubricants, residues of glue, resin and wax. Also suitable for cleaning aluminium parts.

| Lt | | |
|---|---|---|
| 1 | 1 | 098810010 |
| 1 | 1 | 098812010 |

## 9882R

selective rust remover liquid

Water-based selective rust remover liquid for iron, steel, stainless steel, cast iron and chrome platings.
Removes top oxidized layer, without affecting underlying metal.
Dilution: from pure to max. 1:1.
Minimum operating temperature: 15 °C.
Operating times: 30' - 24/48h (for heavy rust). Biodegradable and 100% water-soluble.

| Lt | | |
|---|---|---|
| 1 | 1 | 098820010 |
| 1 | 1 | 098822010 |

# Beta ABRASIVES

A comprehensive range of hard and flexible abrasives, comprising over 500 coded items, entirely made in Italy. Designed and developed to satisfy all industrial and professional cutting and material removal requirements. Beta Utensili relies on the Beta Abrasives project to assert its determination to offer market professionals a comprehensive product range and an unequalled technical standard, resulting from the manufacturing skills contributed by AbraBeta.

## HARD CUTTING AND GRINDING DISCS

Hard discs mean the main category of this new product family; hence Beta Utensili has concentrated on selecting the very best materials and types.

Cutting and grinding discs are the quickest and most versatile instruments for working a wide variety of materials, by using the most suitable tools, whether angle grinders or stationary machines

### DISC SHAPES

**T42**
cutting disc with depressed centre

**T41**
cutting disc with flat centre

**T27**
grinding disc with depressed centre

**TOP LINE** Uncompromising quality: for extremely demanding users

**PREMIUM LINE** High quality for high performance, at competitive prices, for the best quality/price ratio.

### CERTIFICATION

### PICTOGRAMS on discs

- Wear safety glasses
- Wear ear protectors
- Wear dust mask
- Wear protector gloves
- Wear safety clothes
- Check user manual
- Disc for cutting only – not for grinding
- Do not use disc if damaged
- Fe S Cl — Iron, sulphur and chlorine free (≤0.1%)

### Product shelf life

Product shelf-life: 3 years from manufacturing date. “V01” as engraved on the metal washer in the middle of the disc indicates the quarter of expiration. Example: “V07/2022” indicates the disc was manufactured in the 3rd quarter of 2019 and can be used until the end of the 3rd quarter of 2022.

| | Quarter |
|---|---|
| **V01** | Jan-Mar |
| **V04** | Apr-Jun |
| **V07** | Jul-Sep |
| **V10** | Oct-Dec |

# ABRASIVE SHAFT-MOUNTED WHEELS

Abrasive shaft-mounted wheels for use with die grinders. Made in several shapes to suit different working processes, with three types of abrasives.

# SHAFT-MOUNTED WHEELS

Shaft-mounted flap wheels are provided with flexible flaps which allow precise, homogenous finish to be obtained on irregular shapes and surfaces.

# FLAP DISCS

Flap discs are made up of abrasive cloth flaps glued onto a support; they are an excellent choice for roughing and finishing operations. Generally speaking, they ensure quicker removal, more homogenous finish, less vibration, less noise and lower operating temperatures than grinding discs. They are available with cloths made of several different abrasive materials, with different grain sizes and two different types of support.

## Shapes

**Flat**
Used at a maximum angle of 15° compared to the worktop, it allows working of flat surfaces and edges.

**Conical**
Used at an angle between 15° and 25° compared to the worktop, it makes jobs on uneven surfaces easier. It ensures a larger contact surface between the disc and the surface being worked. The flaps can be used until they are fully worn out.

**TOP** — LINE — Uncompromising quality: for extremely demanding users.

**PREMIUM** — LINE — High quality for high performance, at competitive prices, for the best quality/price ratio.

For further information, please refer to the dedicated catalogue available on Beta's website:
**www.beta-tools.com**

# WHEELS WITH BORES

Flange flap wheels are suitable for working irregular edges, contours and surfaces based on high flap flexibility.

# WHEELS FOR SATINIZING MACHINES

Beta's wheels (or rollers) for satinizing machines mean the best solution for finishing any material.

| *Gradi di grana/finitura* | |
|---|---|
| *C* | Coarse |
| *M* | Medium |
| *F* | Fine |
| *VF* | Very Fine |
| *UF* | Ultra fine |

# RADIAL DISCS AND FIBRE DISCS

Special nonwoven discs producing remarkable polishing effects, resulting in quick, precise working processes.

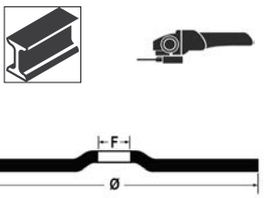
# ANTI-WAST_ ROLLS

A wide range of anti-waste rolls made of abrasive cloth and paper or nonwoven, of excellent quality, for a number of uses.

## 11001
abrasive steel cutting discs
with depressed centre

A30S EN 12413

A30S



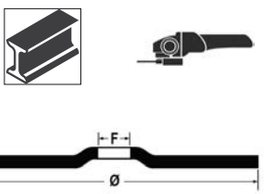

| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11001 | 115 | 3,2 | 22,23 | 13300 | 10 | 110010118 |
| 11001 | 125 | 3,2 | 22,23 | 12200 | 10 | 110010128 |
| 11001 | 230 | 3,2 | 22,23 | 6600 | 10 | 110010233 |

## 11001H
abrasive steel cutting discs
with depressed centre

**HARD**

A30T EN 12413

A30T

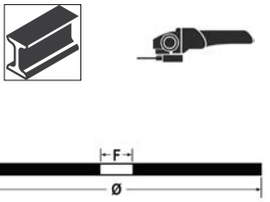



| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11001H | 230 | 3,2 | 22,23 | 6600 | 10 | 110010733 |

## 11003
abrasive steel cutting discs
with flat centre

A30T EN 12413

A30T

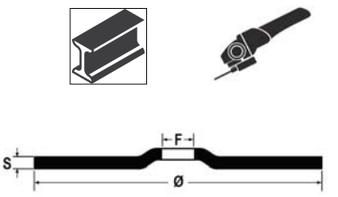



| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11003 | 115 | 2,5 | 22,23 | 13300 | 10 | 110030117 |
| 11003 | 125 | 2,5 | 22,23 | 12200 | 10 | 110030127 |
| 11003 | 180 | 2,5 | 22,23 | 8500 | 10 | 110030182 |
| 11003 | 230 | 2,5 | 22,23 | 6600 | 10 | 110030232 |

## 11011
abrasive steel grinding discs
with depressed centre

A24N EN 12413

A24N



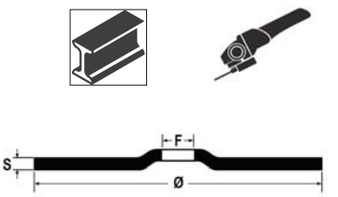

| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11011 | 115 | 6,5 | 22,23 | 13300 | 10 | 110110115 |
| 11011 | 125 | 6,5 | 22,23 | 12200 | 10 | 110110125 |
| 11011 | 180 | 6,5 | 22,23 | 8500 | 10 | 110110180 |
| 11011 | 230 | 6,5 | 22,23 | 6600 | 10 | 110110230 |

## 11011H
abrasive steel grinding discs
with depressed centre

**HARD**

A24R EN 12413

A24R



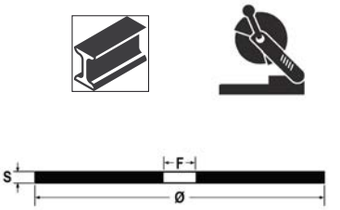

| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11011H | 115 | 6,5 | 22,23 | 13300 | 10 | 110110615 |
| 11011H | 125 | 6,5 | 22,23 | 12200 | 10 | 110110625 |
| 11011H | 180 | 6,5 | 22,23 | 8500 | 10 | 110110680 |
| 11011H | 230 | 6,5 | 22,23 | 6600 | 10 | 110110730 |

## 11018
abrasive ultra-thin steel cutting discs
with flat centre

**60 m/s**

A46N EN 12413

A46N




| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11018 | 300 | 2,5 | 25,40 | 4010 | 10 | 110180030 |
| 11018 | 350 | 3,0 | 25,40 | 3440 | 10 | 110180035 |
| 11018 | 400 | 3,2 | 25,40 | 3010 | 10 | 110180040 |

## 11019
abrasive ultra-thin steel cutting discs
with flat centre

**80 m/s**
A24N EN 12413

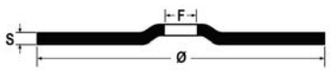
A24N

| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11019 | 300 | 3,8 | 25,40 | 5100 | 10 | 110190030 |
| 11019 | 350 | 4,2 | 25,40 | 4400 | 10 | 110190035 |
| 11019 | 400 | 4,5 | 25,40 | 3800 | 10 | 110190040 |

## 11021
abrasive steel and stainless steel cutting discs
with depressed centre

A30Q EN 12413

A30Q

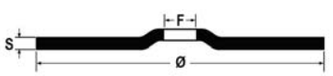



| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11021 | 115 | 3,2 | 22,23 | 13300 | 10 | 110210118 |
| 11021 | 125 | 3,2 | 22,23 | 12200 | 10 | 110210128 |
| 11021 | 180 | 3,2 | 22,23 | 8500 | 10 | 110210183 |
| 11021 | 230 | 3,2 | 22,23 | 6600 | 10 | 110210233 |

## 11023
abrasive steel and stainless steel grinding discs
with depressed centre

A24Q EN 12413

A24Q



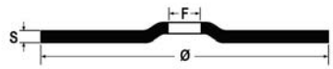

| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11023 | 115 | 6,5 | 22,23 | 13300 | 10 | 110230115 |
| 11023 | 125 | 6,5 | 22,23 | 12200 | 10 | 110230125 |
| 11023 | 230 | 6,5 | 22,23 | 6600 | 10 | 110230230 |

## 11024
abrasive steel and stainless steel cutting discs,
thin, with depressed centre

**TOP LINE**
A46U EN 12413

TOP LINE

A46U



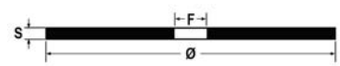

| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11024 | 230 | 2,0 | 22,23 | 6600 | 10 | 110240230 |

## 11031÷11038
abrasive steel and stainless steel cutting discs,
thin, with flat centre

**TOP LINE**
**Ø 65 mm**
A46U EN 12413

TOP LINE

A46U




| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11031 | 65 | 1,0 | 6,00 | 24000 | 25 | 110310006 |
| 11031 | 65 | 1,0 | 10,00 | 24000 | 25 | 110310010 |
| 11031 | 65 | 1,6 | 10,00 | 24000 | 25 | 110310020 |
| 11032 | 76 | 1,0 | 6,00 | 20200 | 25 | 110320006 |
| 11032 | 76 | 1,0 | 10,00 | 20200 | 25 | 110320010 |
| 11032 | 76 | 1,6 | 10,00 | 20200 | 25 | 110320020 |
| 11034 | 115 | 1,0 | 22,23 | 13300 | 25 | 110340022 |
| 11034 | 115 | 1,2 | 22,23 | 13300 | 25 | 110340042 |
| 11034 | 115 | 1,6 | 22,23 | 13300 | 25 | 110340062 |
| 11035 | 125 | 1,0 | 22,23 | 12200 | 25 | 110350022 |
| 11035 | 125 | 1,2 | 22,23 | 12200 | 25 | 110350042 |
| 11035 | 125 | 1,6 | 22,23 | 12200 | 25 | 110350062 |
| 11037 | 180 | 2,0 | 22,23 | 8500 | 10 | 110370022 |
| 11038 | 230 | 2,0 | 22,23 | 6600 | 10 | 110380022 |

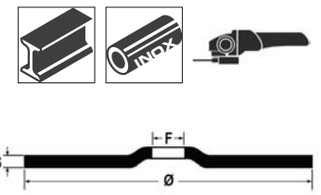
## 11040

abrasive steel and stainless steel cutting discs,
thin, with depressed centre

**PREMIUM LINE**

A36Q EN 12413

PREMIUM LINE — A36Q




| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11040 | 230 | 2,0 | 22,23 | 6600 | 10 | 110400230 |

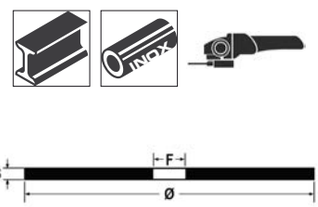
## 11045-11046

abrasive steel and stainless steel cutting discs,
thin, with flat centre

**PREMIUM LINE**
**Ø 115 mm**

A46Q EN 12413

PREMIUM LINE — A46Q




| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11045 | 115 | 1,0 | 22,23 | 13300 | 25 | 110450010 |
| 11045 | 115 | 1,2 | 22,23 | 13300 | 25 | 110450012 |
| 11045 | 115 | 1,6 | 22,23 | 13300 | 25 | 110450016 |

| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11046 | 125 | 1,0 | 22,23 | 12200 | 25 | 110460010 |
| 11046 | 125 | 1,2 | 22,23 | 12200 | 25 | 110460012 |
| 11046 | 125 | 1,6 | 22,23 | 12200 | 25 | 110460016 |

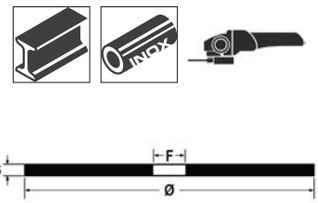
## 11048-11049

abrasive steel and stainless steel cutting discs,
thin, with flat centre

**Ø 180 mm**

A36Q EN 12413

PREMIUM LINE — A36Q




| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11048 | 180 | 2,0 | 22,23 | 8500 | 10 | 110480019 |

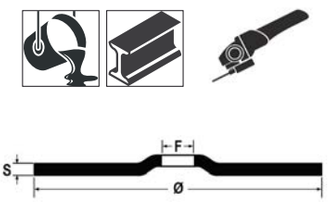
| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11049 | 230 | 2,0 | 22,23 | 6600 | 10 | 110490019 |

## 11050

abrasive steel grinding discs,
with zirconia abrasive and depressed centre

ZA24R - EN 12413

ZA24R



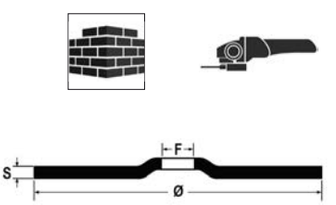

| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11050 | 115 | 6,5 | 22,23 | 13300 | 10 | 110500115 |
| 11050 | 125 | 6,5 | 22,23 | 12200 | 10 | 110500125 |
| 11050 | 180 | 7,0 | 22,23 | 8500 | 10 | 110500180 |
| 11050 | 230 | 7,0 | 22,23 | 6600 | 10 | 110500230 |

## 11069

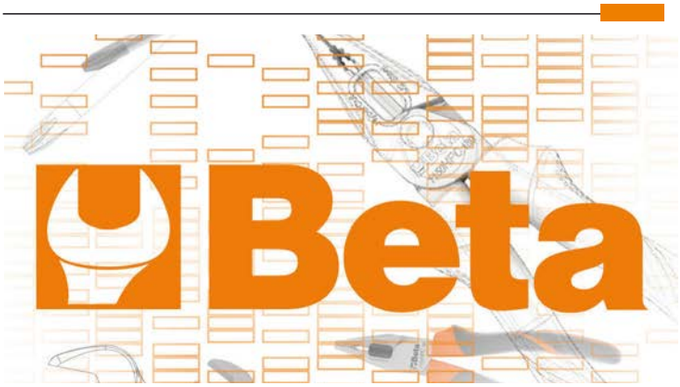
abrasive stone and marble cutting discs
with depressed centre

C30S EN 12413

C30S




| | Ø mm | S mm | F mm | max. rpm | | |
|---|---|---|---|---|---|---|
| 11069 | 115 | 3,2 | 22,23 | 13300 | 10 | 110690115 |
| 11069 | 125 | 3,2 | 22,23 | 12200 | 10 | 110690125 |
| 11069 | 230 | 3,2 | 22,23 | 6600 | 10 | 110690230 |

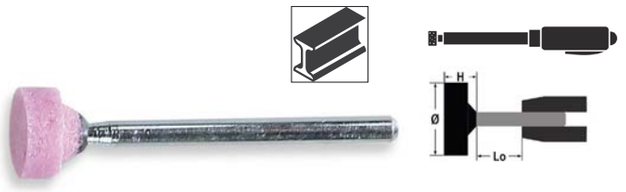


## 11100

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
cylindrically shaped

**shaft Ø 3 x 37 mm**

EN 12413



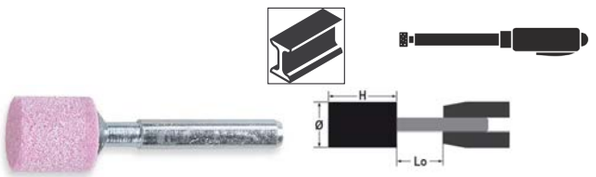

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11100** | **4** | 8 | 130.000 | AR60P5V | 25 | 111000004 |
| **11100** | **6** | 10 | 93.100 | AR60P5V | 25 | 111000006 |
| **11100** | **8** | 12 | 64.500 | AR60P5V | 25 | 111000008 |
| **11100** | **10** | 10 | 60.100 | AR60P5V | 25 | 111000011 |
| **11100** | **10** | 12 | 52.700 | AR60P5V | 25 | 111000012 |
| **11100** | **12** | 15 | 37.300 | AR60P5V | 25 | 111000013 |

## 11101

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
cylindrically shaped

**shaft Ø 6 x 40 mm**

EN 12413



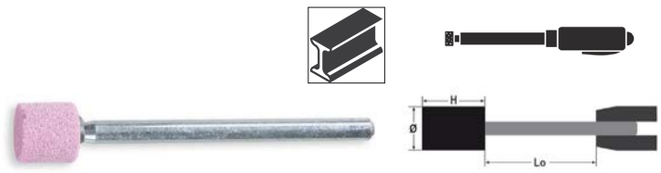

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11101** | **4** | 8 | 130.000 | AR60P5V | 25 | 111010004 |
| **11101** | **5** | 10 | 130.000 | AR60P5V | 25 | 111010005 |
| **11101** | **6** | 10 | 130.00 | AR60P5V | 25 | 111010006 |
| **11101** | **8** | 10 | 119.300 | AR60P5V | 25 | 111010008 |
| **11101** | **10** | 10 | 95.400 | AR60P5V | 25 | 111010010 |
| **11101** | **10** | 15 | 95.400 | AR60P5V | 25 | 111010011 |
| **11101** | **10** | 20 | 86.600 | AR60P5V | 25 | 111010012 |
| **11101** | **10** | 25 | 72.700 | AR60P5V | 25 | 111010013 |
| **11101** | **10** | 32 | 58.700 | AR60P5V | 25 | 111010014 |
| **11101** | **12** | 10 | 79.500 | AR60P5V | 25 | 111010015 |
| **11101** | **12** | 15 | 79.500 | AR60P5V | 25 | 111010016 |
| **11101** | **12** | 20 | 79.500 | AR60P5V | 25 | 111010017 |
| **11101** | **15** | 3 | 63.600 | AR60P5V | 25 | 111010018 |
| **11101** | **15** | 15 | 63.600 | AR60P5V | 25 | 111010019 |
| **11101** | **16** | 20 | 59.600 | AR46P5V | 25 | 111010020 |
| **11101** | **16** | 25 | 56.900 | AR46P5V | 25 | 111010021 |
| **11101** | **16** | 32 | 45.100 | AR46P5V | 25 | 111010022 |
| **11101** | **20** | 4 | 47.700 | AR60P5V | 25 | 111010023 |
| **11101** | **20** | 15 | 47.700 | AR46P5V | 25 | 111010024 |
| **11101** | **20** | 20 | 47.700 | AR46P5V | 25 | 111010025 |
| **11101** | **20** | 25 | 46.100 | AR46P5V | 25 | 111010026 |
| **11101** | **20** | 30 | 38.900 | AR46P5V | 25 | 111010027 |
| **11101** | **20** | 40 | 29.00 | AR46P5V | 25 | 111010028 |
| **11101** | **25** | 10 | 38.100 | AR60P5V | 25 | 111010030 |
| **11101** | **25** | 25 | 37.200 | AR36/46P5V | 25 | 111010031 |
| **11101** | **25** | 40 | 23.300 | AR36/46P5V | 10 | 111010032 |
| **11101** | **30** | 10 | 31.800 | AR60P5V | 25 | 111010034 |
| **11101** | **30** | 30 | 26.200 | AR36/46P5V | 25 | 111010035 |
| **11101** | **30** | 40 | 19.500 | AR36/46P5V | 10 | 111010036 |
| **11101** | **32** | 20 | 29.800 | AR36P5V | 25 | 111010037 |
| **11101** | **32** | 32 | 23.100 | AR36P5V | 10 | 111010038 |
| **11101** | **40** | 10 | 23.800 | AR36/46P5V | 25 | 111010041 |
| **11101** | **40** | 20 | 23.800 | AR36P5V | 10 | 111010042 |
| **11101** | **40** | 25 | 23.400 | AR36P5V | 10 | 111010043 |
| **11101** | **40** | 30 | 19.700 | AR36P5V | 10 | 111010044 |
| **11101** | **40** | 40 | 14.700 | AR36P5V | 10 | 111010045 |
| **11101** | **50** | 15 | 19.000 | AR36P5V | 10 | 111010051 |
| **11101** | **50** | 25 | 18.800 | AR36P5V | 10 | 111010052 |
| **11101** | **60** | 10 | 15.900 | AR36P5V | 10 | 111010060 |

## 11102

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
cylindrically shaped

**shaft Ø 6 x 80 mm**

EN 12413



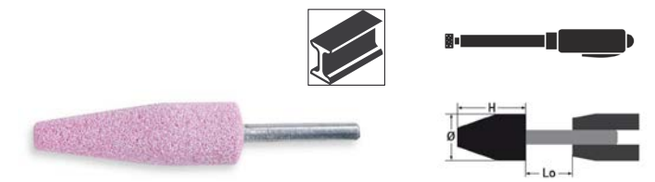

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11102** | **8** | 20 | 100.500 | AR60P5V | 25 | 111020008 |
| **11102** | **10** | 15 | 95.400 | AR60P5V | 25 | 111020010 |
| **11102** | **10** | 30 | 62.200 | AR60P5V | 25 | 111020020 |
| **11102** | **12** | 15 | 79.500 | AR60P5V | 25 | 111020022 |
| **11102** | **15** | 15 | 63.600 | AR60P5V | 25 | 111020035 |
| **11102** | **15** | 30 | 51.000 | AR46P5V | 25 | 111020040 |
| **11102** | **20** | 30 | 38.900 | AR46P5V | 25 | 111020060 |

## 11105

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
cylindrically/triangularly shaped

**shaft Ø 6 x 40 mm**

EN 12413




| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11105** | **20** | 65 | 16.200 | AR36/46P5V | 25 | 111050020 |

## 11106

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
trapezoidally shaped

**shaft Ø 3 x 37 mm**

EN 12413

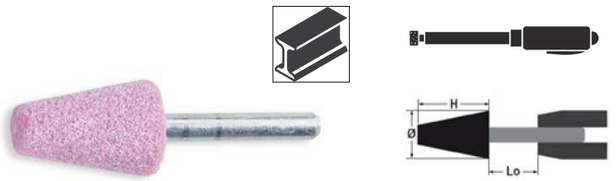
| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11106** | **6** | 10 | 93.100 | AR60P5V | 25 | 111060006 |

## 11107

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
trapezoidally shaped

**shaft Ø 6 x 40 mm**

EN 12413



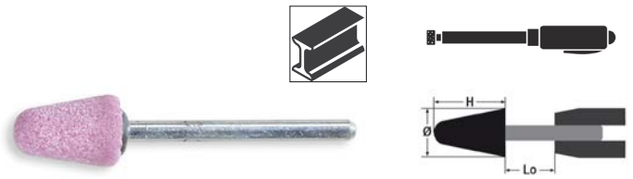

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11107** | **12** | 20 | 79.500 | AR60P5V | 25 | 111070012 |
| **11107** | **15** | 25 | 60.400 | AR46P5V | 25 | 111070015 |
| **11107** | **20** | 30 | 38.900 | AR46P5V | 25 | 111070020 |
| **11107** | **25** | 40 | 23.300 | AR36/46P5V | 10 | 111070025 |

## 11110

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
rounded, cone-shaped

**shaft Ø 3 x 37 mm**

EN 12413



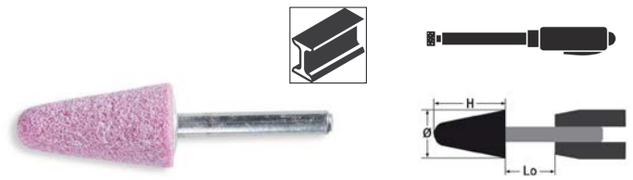

| | Ø mm | h mm | max.rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11110** | **10** | 15 | 44.300 | AR60P5V | 25 | 111100010 |

## 11111

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
rounded, cone-shaped

**shaft Ø 6 x 40 mm**

EN 12413



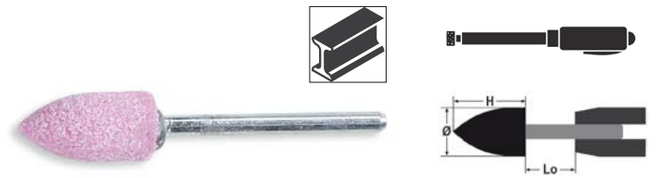

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11111** | **10** | 20 | 86.600 | AR60P5V | 25 | 111110010 |
| **11111** | **15** | 30 | 51.000 | AR46P5V | 25 | 111110015 |
| **11111** | **16** | 45 | 31.400 | AR46P5V | 25 | 111110016 |
| **11111** | **20** | 28 | 41.500 | AR46P5V | 25 | 111110020 |
| **11111** | **20** | 40 | 29.000 | AR46P5V | 25 | 111110021 |
| **11111** | **30** | 50 | 15.100 | AR36/46P5V | 10 | 111110030 |

## 11115

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
ogive-shaped

**shaft Ø 3 x 37 mm**

EN 12413



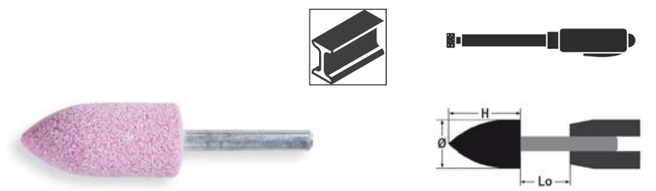

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11115** | **10** | 20 | 34.700 | AR60P5V | 25 | 111150010 |

## 11116

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
ogive-shaped

**shaft Ø 6 x 40 mm**

EN 12413



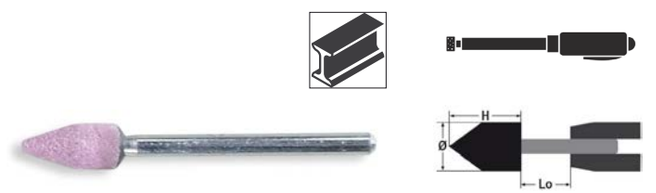

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11116** | **10** | 20 | 86.600 | AR60P5V | 25 | 111160010 |
| **11116** | **18** | 30 | 43.000 | AR46P5V | 25 | 111160018 |
| **11116** | **20** | 50 | 22.500 | AR36/46P5V | 25 | 111160020 |
| **11116** | **22** | 70 | 13.400 | AR36/46P5V | 10 | 111160022 |

## 11120

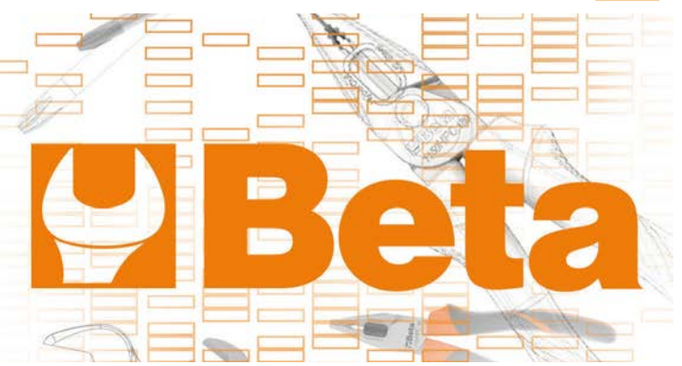
abrasive shaft-mounted wheels,
abrasive pink corundum grains,
cylindrically/pyramidally shaped

**shaft Ø 3 x 37 mm**

EN 12413




| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11120** | **6** | 13 | 77.800 | AR60P5V | 25 | 111200006 |

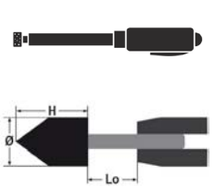


## 11121

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
cylindrically/pyramidally shaped

**shaft Ø 6 x 40 mm**

EN 12413



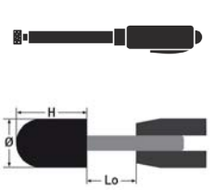

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| 11121 | 6 | 25 | 100.700 | AR60P5V | 25 | 111210007 |
| 11121 | 12 | 20 | 79.500 | AR60P5V | 25 | 111210012 |
| 11121 | 20 | 25 | 46.100 | AR46P5V | 25 | 111210020 |
| 11121 | 25 | 25 | 37.200 | AR36/46P5V | 25 | 111210025 |
| 11121 | 30 | 30 | 26.200 | AR36/46P5V | 25 | 111210030 |

## 11125

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
rounded, cylindrically shaped

**shaft Ø 6 x 40 mm**

EN 12413



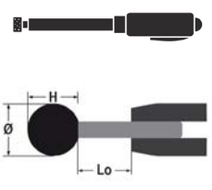

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| 11125 | 6 | 20 | 117.700 | AR60P5V | 25 | 111250006 |
| 11125 | 25 | 25 | 37.200 | AR36/46P5V | 25 | 111250025 |
| 11125 | 30 | 50 | 15.100 | AR36/46P5V | 10 | 111250030 |
| 11125 | 40 | 40 | 14.700 | AR36P5V | 10 | 111250040 |

## 11130

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
globe-shaped

**shaft Ø 3 x 37 mm**

EN 12413



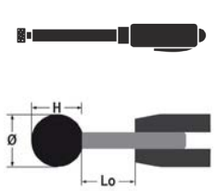

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| 11130 | 6 | 6 | 124.900 | AR60P5V | 25 | 111300006 |
| 11130 | 8 | 8 | 84.800 | AR60P5V | 25 | 111300008 |
| 11130 | 10 | 10 | 60.100 | AR60P5V | 25 | 111300010 |

## 11131

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
globe-shaped

**shaft Ø 6 x 40 mm**

EN 12413



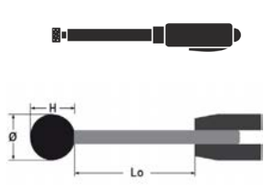

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| 11131 | 10 | 10 | 95.400 | AR60P5V | 25 | 111310010 |
| 11131 | 15 | 15 | 63.600 | AR60P5V | 25 | 111310015 |
| 11131 | 20 | 20 | 47.700 | AR46P5V | 25 | 111310020 |
| 11131 | 25 | 25 | 37.200 | AR36/46P5V | 25 | 111310025 |
| 11131 | 30 | 30 | 26.200 | AR36/46P5V | 25 | 111310030 |

## 11132

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
globe-shaped

**shaft Ø 6 x 80 mm**

EN 12413



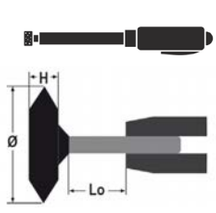

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| 11132 | 10 | 10 | 95.400 | AR60P5V | 25 | 111320010 |
| 11132 | 15 | 15 | 63.600 | AR60P5V | 25 | 111320015 |
| 11132 | 20 | 20 | 47.700 | AR46P5V | 25 | 111320020 |

## 11135

abrasive shaft-mounted wheels,
abrasive pink corundum grains,
disc-shaped

**shaft Ø 6 x 40 mm**

EN 12413



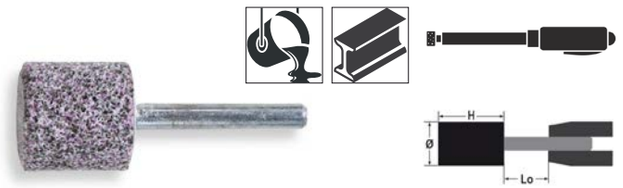

| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| 11135 | 30 | 6 | 31.800 | AR60P5V | 25 | 111350030 |
| 11135 | 40 | 10 | 23.800 | AR36/46P5V | 25 | 111350040 |

## 11140

abrasive shaft-mounted wheels,
abrasive grey/pink corundum grains,
cylindrically shaped

**shaft Ø 6 x 40 mm**

EN 12413




| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11140** | **20** | 30 | 38.900 | A/AR24R5V | 25 | 111400020 |
| **11140** | **25** | 25 | 37.200 | A/AR24R5V | 25 | 111400025 |
| **11140** | **30** | 30 | 26.200 | A/AR24R5V | 25 | 111400030 |
| **11140** | **50** | 10 | 19.000 | A/AR24R5V | 10 | 111400050 |

## 11141

abrasive shaft-mounted wheels,
abrasive grey/pink corundum grains,
cylindrically shaped

**shaft Ø 6 x 80 mm**

EN 12413

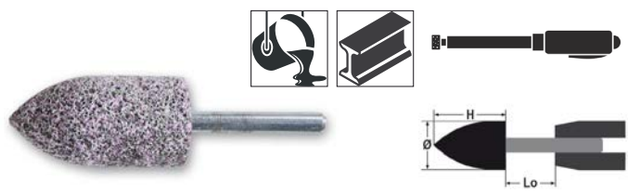
| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11141** | **20** | 40 | 46.800 | A/AR24R5V | 25 | 111410020 |
| **11141** | **30** | 40 | 31.800 | A/AR24R5V | 10 | 111410030 |
| **11141** | **40** | 40 | 23.800 | A/AR24R5V | 10 | 111410040 |

## 11145

abrasive shaft-mounted wheels,
abrasive grey/pink corundum grains,
ogive-shaped

**shaft Ø 6 x 40 mm**

EN 12413




| | Ø mm | h mm | max. rpm Lo=13 mm | | | |
|---|---|---|---|---|---|---|
| **11145** | **20** | 30 | 38.900 | A/AR24R5V | 25 | 111450020 |
| **11145** | **25** | 50 | 18.100 | A/AR24R5V | 10 | 111450025 |

## 11200A-11200B

flap discs with zirconia abrasive cloth,
plastic backing pad, single flap construction

**Flat**
**PREMIUM LINE**
**Ø 115 mm**
EN 13743

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11200A** | **115** | 40 | 22,23 | 10 | 112000004 |
| **11200A** | **115** | 60 | 22,23 | 10 | 112000006 |
| **11200A** | **115** | 80 | 22,23 | 10 | 112000008 |
| **11200A** | **115** | 120 | 22,23 | 10 | 112000012 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11200B** | **125** | 40 | 22,23 | 10 | 112000104 |
| **11200B** | **125** | 60 | 22,23 | 10 | 112000106 |
| **11200B** | **125** | 80 | 22,23 | 10 | 112000108 |

## 11202A÷11202C

flap discs with zirconia abrasive cloth,
plastic backing pad, double flap construction

**Flat**
**PREMIUM LINE**
**Ø 115 mm**
EN 13743

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11202A** | **115** | 40 | 22,23 | 10 | 112020004 |
| **11202A** | **115** | 60 | 22,23 | 10 | 112020006 |
| **11202A** | **115** | 80 | 22,23 | 10 | 112020008 |
| **11202A** | **115** | 120 | 22,23 | 10 | 112020012 |

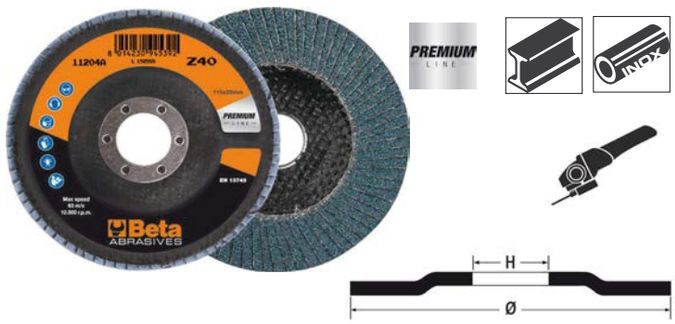
| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11202B** | **125** | 40 | 22,23 | 10 | 112020104 |
| **11202B** | **125** | 60 | 22,23 | 10 | 112020106 |
| **11202B** | **125** | 80 | 22,23 | 10 | 112020108 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11202C** | **180** | 40 | 22,23 | 10 | 112020204 |
| **11202C** | **180** | 60 | 22,23 | 10 | 112020206 |

## 11204A÷11204C

flap discs with zirconia abrasive cloth,
fibreglass backing pad, single flap construction

**Flat**
**PREMIUM LINE**
**Ø 115 mm**
EN 13743




| | Ø mm | P | F mm | |
|---|---|---|---|---|
| **11204A** | **115** | 40 | 22,23 | 10 112040004 |
| **11204A** | **115** | 60 | 22,23 | 10 112040006 |
| **11204A** | **115** | 80 | 22,23 | 10 112040008 |
| **11204A** | **115** | 120 | 22,23 | 10 112040012 |

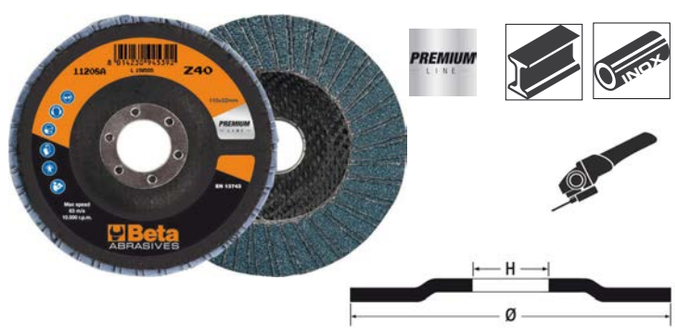
| | Ø mm | P | F mm | |
|---|---|---|---|---|
| **11204B** | **125** | 40 | 22,23 | 10 112040104 |
| **11204B** | **125** | 60 | 22,23 | 10 112040106 |
| **11204B** | **125** | 80 | 22,23 | 10 112040108 |

| | Ø mm | P | F mm | |
|---|---|---|---|---|
| **11204C** | **180** | 40 | 22,23 | 10 112040204 |
| **11204C** | **180** | 60 | 22,23 | 10 112040206 |

## 11208A-11208B

flap discs with zirconia abrasive cloth,
fibreglass backing pad, double flap construction

**Flat**
**PREMIUM LINE**
**Ø 115 mm**
EN 13743




| | Ø mm | P | F mm | |
|---|---|---|---|---|
| **11208A** | **115** | 40 | 22,23 | 10 112080004 |
| **11208A** | **115** | 60 | 22,23 | 10 112080006 |

| | Ø mm | P | F mm | |
|---|---|---|---|---|
| **11208B** | **125** | 40 | 22,23 | 10 112080104 |
| **11208B** | **125** | 60 | 22,23 | 10 112080106 |

## 11210A÷11210C

flap discs with zirconia abrasive cloth,
fibreglass backing pad, single flap construction

**Cone-shaped**
**PREMIUM LINE**
**Ø 115 mm**
EN 13743

| | Ø mm | P | F mm | |
|---|---|---|---|---|
| **11210A** | **115** | 40 | 22,23 | 10 112100004 |
| **11210A** | **115** | 60 | 22,23 | 10 112100006 |
| **11210A** | **115** | 80 | 22,23 | 10 112100008 |
| **11210A** | **115** | 120 | 22,23 | 10 112100012 |

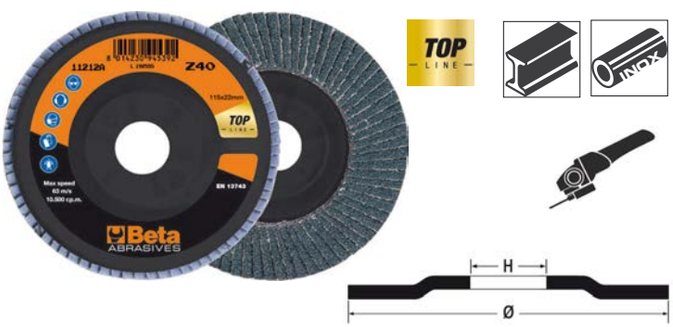
| | Ø mm | P | F mm | |
|---|---|---|---|---|
| **11210B** | **125** | 40 | 22,23 | 10 112100104 |
| **11210B** | **125** | 60 | 22,23 | 10 112100106 |
| **11210B** | **125** | 80 | 22,23 | 10 112100108 |

| | Ø mm | P | F mm | |
|---|---|---|---|---|
| **11210C** | **180** | 40 | 22,23 | 10 112100204 |
| **11210C** | **180** | 60 | 22,23 | 10 112100206 |

## 11212A -11212B

flap discs with zirconia abrasive cloth,
plastic backing pad, single flap construction

**Flat**
**TOP LINE**
**Ø 115 mm**
EN 13743



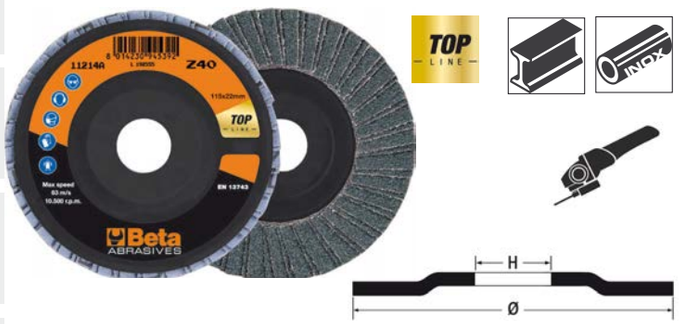

| | Ø mm | P | F mm | |
|---|---|---|---|---|
| **11212A** | **115** | 40 | 22,23 | 10 112120004 |
| **11212A** | **115** | 60 | 22,23 | 10 112120006 |
| **11212A** | **115** | 80 | 22,23 | 10 112120008 |
| **11212A** | **115** | 120 | 22,23 | 10 112120012 |

| | Ø mm | P | F mm | |
|---|---|---|---|---|
| **11212B** | **125** | 40 | 22,23 | 10 112120104 |
| **11212B** | **125** | 60 | 22,23 | 10 112120106 |
| **11212B** | **125** | 80 | 22,23 | 10 112120108 |

## 11214A÷11214C

flap discs with zirconia abrasive cloth,
plastic backing pad, double flap construction

**Flat**
**TOP LINE**
**Ø 115 mm**
EN 13743




| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11214A** | **115** | 40 | 22,23 | 10 | 112140004 |
| **11214A** | **115** | 60 | 22,23 | 10 | 112140006 |
| **11214A** | **115** | 80 | 22,23 | 10 | 112140008 |
| **11214A** | **115** | 120 | 22,23 | 10 | 112140012 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11214B** | **125** | 40 | 22,23 | 10 | 112140104 |
| **11214B** | **125** | 60 | 22,23 | 10 | 112140106 |
| **11214B** | **125** | 80 | 22,23 | 10 | 112140108 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11214C** | **180** | 40 | 22,23 | 10 | 112140204 |
| **11214C** | **180** | 60 | 22,23 | 10 | 112140206 |

## 11216A÷11216C

flap discs with zirconia abrasive cloth,
fibreglass backing pad, single flap construction

**Flat**
**TOP LINE**
**Ø 115 mm**
EN 13743

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11216A** | **115** | 40 | 22,23 | 10 | 112160004 |
| **11216A** | **115** | 60 | 22,23 | 10 | 112160006 |
| **11216A** | **115** | 80 | 22,23 | 10 | 112160008 |
| **11216A** | **115** | 120 | 22,23 | 10 | 112160012 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11216B** | **125** | 40 | 22,23 | 10 | 112160104 |
| **11216B** | **125** | 60 | 22,23 | 10 | 112160106 |
| **11216B** | **125** | 80 | 22,23 | 10 | 112160108 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11216C** | **180** | 40 | 22,23 | 10 | 112160204 |
| **11216C** | **180** | 60 | 22,23 | 10 | 112160206 |

## 11218A-11218B

flap discs with zirconia abrasive cloth,
fibreglass backing pad, double flap construction

**Flat**
**TOP LINE**
**Ø 115 mm**
EN 13743

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11218A** | **115** | 40 | 22,23 | 10 | 112180004 |
| **11218A** | **115** | 60 | 22,23 | 10 | 112180006 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11218B** | **125** | 40 | 22,23 | 10 | 112180104 |
| **11218B** | **125** | 60 | 22,23 | 10 | 112180106 |

## 11220A÷11220C

flap discs with zirconia abrasive cloth,
fibreglass backing pad, single flap construction

**Cone-shaped**
**TOP LINE**
**Ø 115 mm**
EN 13743

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11220A** | **115** | 40 | 22,23 | 10 | 112200004 |
| **11220A** | **115** | 60 | 22,23 | 10 | 112200006 |
| **11220A** | **115** | 80 | 22,23 | 10 | 112200008 |
| **11220A** | **115** | 120 | 22,23 | 10 | 112200012 |

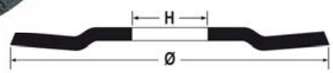
| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11220B** | **125** | 40 | 22,23 | 10 | 112200104 |
| **11220B** | **125** | 60 | 22,23 | 10 | 112200106 |
| **11220B** | **125** | 80 | 22,23 | 10 | 112200108 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11220C** | **180** | 40 | 22,23 | 10 | 112200204 |
| **11220C** | **180** | 60 | 22,23 | 10 | 112200206 |

## 11222

flap discs with zirconia abrasive cloth,
fibreglass backing pad, double flap construction

**Cone-shaped**
**TOP LINE**
**Ø 115 mm**
EN 13743

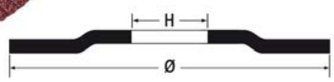



| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11222B** | **125** | 40 | 22,23 | 10 | 112220104 |
| **11222B** | **125** | 60 | 22,23 | 10 | 112220106 |
| **11222B** | **125** | 80 | 22,23 | 10 | 112220108 |

## 11230A-11230B

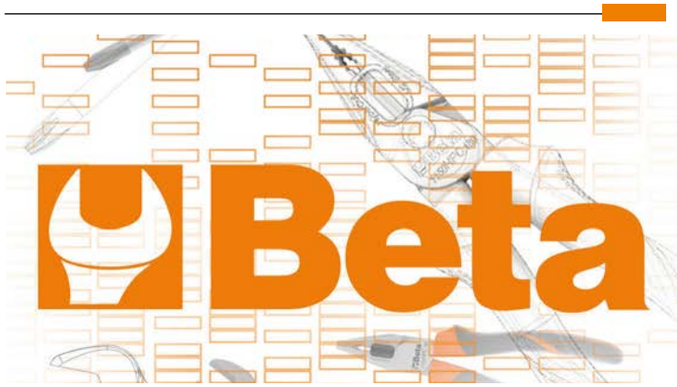
flap discs with corundum abrasive cloth,
plastic backing pad, single flap construction

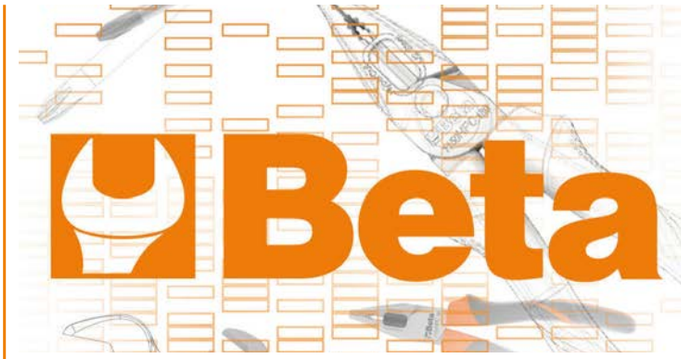
**Flat**
**PREMIUM LINE**
**Ø 115 mm**
EN 13743




| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11230A** | **115** | 40 | 22,23 | 10 | 112300004 |
| **11230A** | **115** | 60 | 22,23 | 10 | 112300006 |
| **11230A** | **115** | 80 | 22,23 | 10 | 112300008 |
| **11230A** | **115** | 120 | 22,23 | 10 | 112300012 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11230B** | **125** | 40 | 22,23 | 10 | 112300104 |
| **11230B** | **125** | 60 | 22,23 | 10 | 112300106 |




## 11232A

flap discs with corundum abrasive cloth,
plastic backing pad, double flap construction

**Flat**
**PREMIUM LINE**
**Ø 115 mm**
EN 13743

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11232A** | **115** | 40 | 22,23 | 10 | 112320004 |
| **11232A** | **115** | 60 | 22,23 | 10 | 112320006 |
| **11232A** | **115** | 80 | 22,23 | 10 | 112320008 |
| **11232A** | **115** | 120 | 22,23 | 10 | 112320012 |

## 11234A-11234B

flap discs with corundum abrasive cloth,
fibreglass backing pad, single flap construction

**Flat**
**TOP LINE**
**Ø 115 mm**
EN 13743

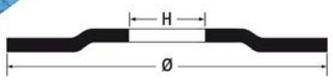
| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11234A** | **115** | 40 | 22,23 | 10 | 112340004 |
| **11234A** | **115** | 60 | 22,23 | 10 | 112340006 |
| **11234A** | **115** | 80 | 22,23 | 10 | 112340008 |
| **11234A** | **115** | 120 | 22,23 | 10 | 112340012 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11234B** | **125** | 40 | 22,23 | 10 | 112340104 |
| **11234B** | **125** | 60 | 22,23 | 10 | 112340106 |

## 11240A-11240B

flap discs with ceramic-coated zirconia abrasive cloth, plastic backing pad and single flap construction

**Flat**
**Ø 115 mm**
EN 13743



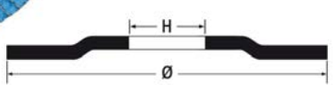

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11240A** | **115** | 40 | 22,23 | 10 | 112400004 |
| **11240A** | **115** | 60 | 22,23 | 10 | 112400006 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11240B** | **125** | 40 | 22,23 | 10 | 112400104 |
| **11240B** | **125** | 60 | 22,23 | 10 | 112400106 |

## 11242A-11242B

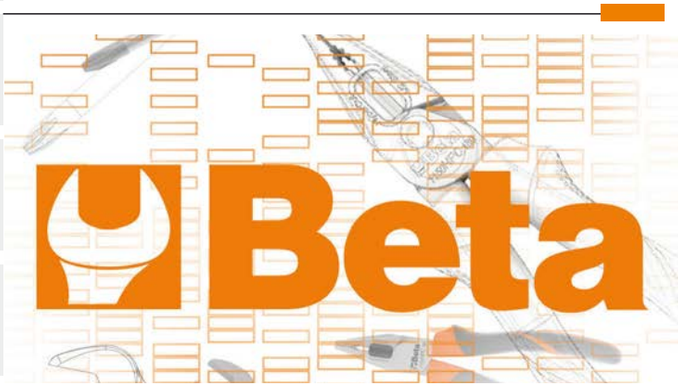
flap discs with ceramic-coated zirconia abrasive cloth, fibreglass backing pad and single flap construction

**Flat**
**Ø 115 mm**
EN 13743




| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11242A** | **115** | 40 | 22,23 | 10 | 112420004 |
| **11242A** | **115** | 60 | 22,23 | 10 | 112420006 |

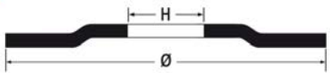
| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11242B** | **125** | 40 | 22,23 | 10 | 112420104 |
| **11242B** | **125** | 60 | 22,23 | 10 | 112420106 |




## 11246A

flap discs with ceramic-coated abrasive cloth, plastic backing pad and single flap construction

**Flat**
**Ø 115 mm**
EN 13743

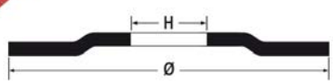



| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11246A** | **115** | 40 | 22,23 | 10 | 112460004 |
| **11246A** | **115** | 60 | 22,23 | 10 | 112460006 |

## 11248A-11248B

flap discs with ceramic-coated abrasive cloth, fibreglass backing pad and single flap construction

**Flat**
**Ø 115 mm**
EN 13743



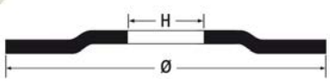

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11248A** | **115** | 40 | 22,23 | 10 | 112480004 |
| **11248A** | **115** | 60 | 22,23 | 10 | 112480006 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| **11248B** | **125** | 40 | 22,23 | 10 | 112480104 |
| **11248B** | **125** | 60 | 22,23 | 10 | 112480106 |

## 11259

felt flap discs, fibreglass backing pad, single flap construction

**Flat**




| | Ø mm | F mm | | |
|---|---|---|---|---|
| **11259** | **115** | 22,23 | 10 | 112590115 |
| **11259** | **125** | 22,23 | 10 | 112590125 |

# 11260÷11268

shaft-mounted flap wheels,
corundum abrasive cloth flaps

**shaft Ø 3 mm**

EN 13743

| | Ø mm | h mm | S mm | P | |
|---|---|---|---|---|---|
| **11260** | **10** | 10 | 3 | 60 | 10 112600010 |
| **11260** | **15** | 15 | 3 | 60 | 10 112600015 |
| | **Ø mm** | h mm | S mm | P | |
| **11263** | **30** | 10 | 6 | 60 | 10 112630006 |
| **11263** | **30** | 15 | 6 | 60 | 10 112630016 |
| **11263** | **30** | 15 | 6 | 80 | 10 112630018 |
| **11263** | **30** | 20 | 6 | 40 | 10 112630024 |
| **11263** | **30** | 20 | 6 | 60 | 10 112630026 |
| **11263** | **30** | 20 | 6 | 80 | 10 112630028 |
| **11263** | **30** | 20 | 6 | 120 | 10 112630032 |
| | **Ø mm** | h mm | S mm | P | |
| **11264** | **40** | 15 | 6 | 60 | 10 112640006 |
| **11264** | **40** | 15 | 6 | 80 | 10 112640008 |
| **11264** | **40** | 15 | 6 | 120 | 10 112640012 |
| **11264** | **40** | 20 | 6 | 40 | 10 112640014 |
| **11264** | **40** | 20 | 6 | 60 | 10 112640016 |
| **11264** | **40** | 30 | 6 | 40 | 10 112640024 |
| **11264** | **40** | 30 | 6 | 60 | 10 112640026 |
| | **Ø mm** | h mm | S mm | P | |
| **11265** | **50** | 20 | 6 | 60 | 10 112650006 |
| **11265** | **50** | 20 | 6 | 80 | 10 112650008 |
| **11265** | **50** | 30 | 6 | 40 | 10 112650014 |
| **11265** | **50** | 30 | 6 | 60 | 10 112650016 |
| **11265** | **50** | 30 | 6 | 80 | 10 112650018 |
| **11265** | **50** | 30 | 6 | 120 | 10 112650022 |
| | **Ø mm** | h mm | S mm | P | |
| **11266** | **60** | 20 | 6 | 40 | 10 112660004 |
| **11266** | **60** | 20 | 6 | 60 | 10 112660006 |
| **11266** | **60** | 30 | 6 | 40 | 10 112660014 |
| **11266** | **60** | 30 | 6 | 60 | 10 112660016 |
| **11266** | **60** | 30 | 6 | 80 | 10 112660018 |
| **11266** | **60** | 30 | 6 | 120 | 10 112660022 |
| **11266** | **60** | 40 | 6 | 60 | 10 112660026 |
| **11266** | **60** | 40 | 6 | 80 | 10 112660028 |
| | **Ø mm** | h mm | S mm | P | |
| **11268** | **80** | 30 | 6 | 60 | 10 112680006 |
| **11268** | **80** | 30 | 6 | 80 | 10 112680008 |

# 11271A÷11271C

abrasive non-woven wheels, shaft-mounted,
corundum synthetic fibre fabric

**Ø 40 mm**
**shaft Ø 6 mm**

| | Ø mm | h mm | S mm | P | |
|---|---|---|---|---|---|
| **11271A** | **40** | 20 | 6 | C | 10 112710001 |
| **11271A** | **40** | 20 | 6 | M | 10 112710002 |
| **11271A** | **40** | 20 | 6 | F | 10 112710003 |
| **11271A** | **40** | 20 | 6 | VF | 10 112710004 |
| | **Ø mm** | h mm | S mm | P | |
| **11271B** | **60** | 30 | 6 | C | 10 112710011 |
| **11271B** | **60** | 30 | 6 | M | 10 112710012 |
| **11271B** | **60** | 30 | 6 | F | 10 112710013 |
| **11271B** | **60** | 30 | 6 | VF | 10 112710014 |
| | **Ø mm** | h mm | S mm | P | |
| **11271C** | **80** | 50 | 6 | C | 10 112710021 |
| **11271C** | **80** | 50 | 6 | M | 10 112710022 |
| **11271C** | **80** | 50 | 6 | F | 10 112710023 |
| **11271C** | **80** | 50 | 6 | VF | 10 112710024 |

# 11276A÷11276C

flap/non-woven wheels, shaft-mounted,
flaps made of abrasive cloth alternating with corundum synthetic fibre fabric

**Ø 40 mm**
**shaft Ø 6 mm**

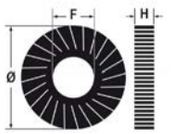
| | Ø mm | h mm | S mm | P | |
|---|---|---|---|---|---|
| **11276A** | **40** | 20 | 6 | M/60 | 10 112760006 |
| **11276A** | **40** | 20 | 6 | M/80 | 10 112760008 |
| **11276A** | **40** | 20 | 6 | M/120 | 10 112760012 |
| | **Ø mm** | h mm | S mm | P | |
| **11276B** | **60** | 30 | 6 | M/60 | 10 112760016 |
| **11276B** | **60** | 30 | 6 | M/80 | 10 112760018 |
| **11276B** | **60** | 30 | 6 | M/120 | 10 112760022 |
| | **Ø mm** | h mm | S mm | P | |
| **11276C** | **80** | 50 | 6 | M/60 | 10 112760036 |
| **11276C** | **80** | 50 | 6 | M/80 | 10 112760038 |
| **11276C** | **80** | 50 | 6 | M/120 | 10 112760042 |

## 11300A÷11300G

flap wheels with corundum cloth, with bores

**Ø 165 x 30 mm**

EN 13743

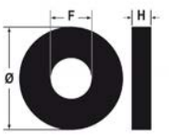



| | Ø mm | H mm | P | F mm | |
|---|---|---|---|---|---|
| 11300A | 165 | 30 | 40 | 54 | 3 113000004 |
| 11300A | 165 | 30 | 60 | 54 | 3 113000006 |
| 11300A | 165 | 30 | 80 | 54 | 3 113000008 |
| 11300A | 165 | 30 | 120 | 54 | 3 113000012 |
| 11300A | 165 | 30 | 180 | 54 | 3 113000018 |
| 11300A | 165 | 30 | 220 | 54 | 3 113000022 |
| 11300B | 165 | 50 | 40 | 54 | 2 113000104 |
| 11300B | 165 | 50 | 60 | 54 | 2 113000106 |
| 11300B | 165 | 50 | 80 | 54 | 2 113000108 |
| 11300B | 165 | 50 | 120 | 54 | 2 113000112 |
| 11300B | 165 | 50 | 180 | 54 | 2 113000118 |
| 11300B | 165 | 50 | 220 | 54 | 2 113000122 |
| 11300C | 200 | 30 | 40 | 54 | 3 113000204 |
| 11300C | 200 | 30 | 60 | 54 | 3 113000206 |
| 11300C | 200 | 30 | 80 | 54 | 3 113000208 |
| 11300C | 200 | 30 | 120 | 54 | 3 113000212 |
| 11300C | 200 | 30 | 180 | 54 | 3 113000218 |
| 11300D | 200 | 50 | 40 | 54 | 2 113000304 |
| 11300D | 200 | 50 | 60 | 54 | 2 113000306 |
| 11300D | 200 | 50 | 80 | 54 | 2 113000308 |
| 11300D | 200 | 50 | 120 | 54 | 2 113000312 |
| 11300D | 200 | 50 | 180 | 54 | 2 113000318 |
| 11300D | 200 | 50 | 220 | 54 | 2 113000322 |
| 11300E | 250 | 30 | 40 | 100 | 3 113000404 |
| 11300E | 250 | 30 | 60 | 100 | 3 113000406 |
| 11300E | 250 | 30 | 80 | 100 | 3 113000408 |
| 11300E | 250 | 30 | 120 | 100 | 3 113000412 |
| 11300F | 250 | 50 | 40 | 100 | 2 113000504 |
| 11300F | 250 | 50 | 60 | 100 | 2 113000506 |
| 11300F | 250 | 50 | 80 | 100 | 2 113000508 |
| 11300F | 250 | 50 | 120 | 100 | 2 113000512 |
| 11300F | 250 | 50 | 180 | 100 | 2 113000518 |
| 11300F | 250 | 50 | 220 | 100 | 2 113000522 |
| 11300G | 300 | 50 | 40 | 100 | 2 113000604 |
| 11300G | 300 | 50 | 60 | 100 | 2 113000606 |
| 11300G | 300 | 50 | 80 | 100 | 2 113000608 |

## 11320

abrasive non-woven wheels with bores, corundum synthetic fibre fabric

**Ø 200 x 50 mm**



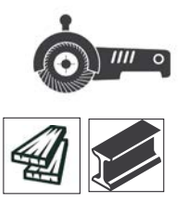

| | Ø mm | H mm | P | F mm | |
|---|---|---|---|---|---|
| 11320 | 200 | 50 | C | 76,2 | 2 113200006 |
| 11320 | 200 | 50 | M | 76,2 | 2 113200008 |
| 11320 | 200 | 50 | F | 76,2 | 2 113200012 |
| 11320 | 200 | 50 | VF | 76,2 | 2 113200024 |

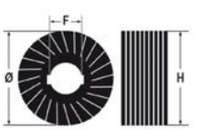
## 11411

flap wheels with corundum cloth for satinizing machines

**Ø 100 x 100 mm**

EN 13743



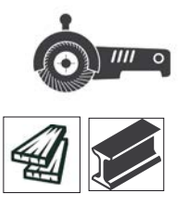



| | Ø mm | H mm | P | F mm | |
|---|---|---|---|---|---|
| 11411 | 100 | 100 | 40 | 19,1 | 2 114110004 |
| 11411 | 100 | 100 | 60 | 19,1 | 2 114110006 |
| 11411 | 100 | 100 | 80 | 19,1 | 2 114110008 |
| 11411 | 100 | 100 | 120 | 19,1 | 2 114110012 |
| 11411 | 100 | 100 | 240 | 19,1 | 2 114110024 |

## 11415B

non-woven flaps with corundum synthetic fibres for satinizing machines

**Ø 100 x 100 mm**

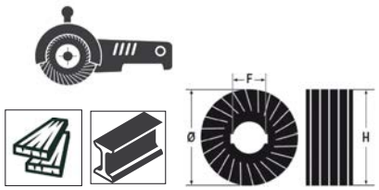


| | Ø mm | H mm | P | F mm | |
|---|---|---|---|---|---|
| 11415B | 100 | 100 | C | 19,1 | 2 114150106 |
| 11415B | 100 | 100 | M | 19,1 | 2 114150108 |
| 11415B | 100 | 100 | F | 19,1 | 2 114150112 |
| 11415B | 100 | 100 | VF | 19,1 | 2 114150124 |

## 11420B

flap/non-woven wheels for satinizing machines,
abrasive cloth alternating with corundum synthetic fibres

**Ø 100 x 100 mm**

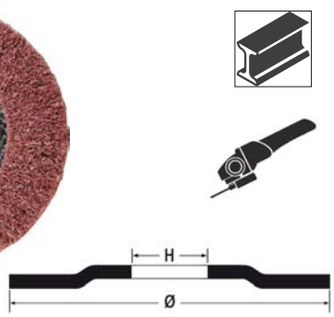



| | Ø mm | H mm | P | F mm | | |
|---|---|---|---|---|---|---|
| 11420B | 100 | 100 | C/60 | 19,1 | 2 | 114200106 |
| 11420B | 100 | 100 | M/80 | 19,1 | 2 | 114200108 |
| 11420B | 100 | 100 | F/120 | 19,1 | 2 | 114200112 |
| 11420B | 100 | 100 | VF/240 | 19,1 | 2 | 114200124 |

## 11431

non-woven radial discs,
corundum synthetic fibres

**Ø 115 mm**

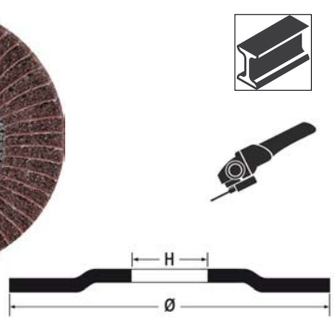



| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| 11431 | 115 | C | 22,23 | 4 | 114310006 |
| 11431 | 115 | M | 22,23 | 4 | 114310008 |
| 11431 | 115 | F | 22,23 | 4 | 114310012 |
| 11431 | 115 | VF | 22,23 | 4 | 114310024 |

## 11435

flap/non-woven radial discs,
abrasive cloth alternating with corundum synthetic fibres

**Ø 115 mm**

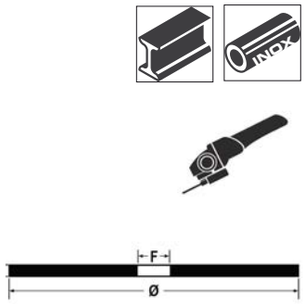



| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| 11435 | 115 | M/80 | 22,23 | 4 | 114350008 |
| 11435 | 115 | M/120 | 22,23 | 4 | 114350012 |
| 11435 | 115 | F/150 | 22,23 | 4 | 114350015 |
| 11435 | 115 | F/180 | 22,23 | 4 | 114350018 |

## 11440A÷11440C

fibre discs with zirconia cloth

**Ø 115 mm**




| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| 11440A | 115 | 24 | 22 | 25 | 114400024 |
| 11440A | 115 | 36 | 22 | 25 | 114400036 |
| 11440A | 115 | 60 | 22 | 25 | 114400060 |
| 11440A | 115 | 120 | 22 | 25 | 114400120 |

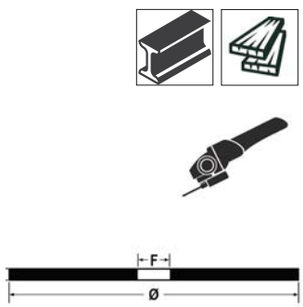
| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| 11440B | 125 | 24 | 22 | 25 | 114400224 |
| 11440B | 125 | 36 | 22 | 25 | 114400236 |
| 11440B | 125 | 60 | 22 | 25 | 114400260 |
| 11440B | 125 | 120 | 22 | 25 | 114400320 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| 11440C | 180 | 24 | 22 | 25 | 114400424 |
| 11440C | 180 | 36 | 22 | 25 | 114400436 |
| 11440C | 180 | 60 | 22 | 25 | 114400460 |
| 11440C | 180 | 120 | 22 | 25 | 114400520 |

## 11450A÷11450C

fibre discs with corundum cloth

**Ø 115 mm**




| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| 11450A | 115 | 24 | 22 | 25 | 114500024 |
| 11450A | 115 | 36 | 22 | 25 | 114500036 |
| 11450A | 115 | 60 | 22 | 25 | 114500060 |
| 11450A | 115 | 120 | 22 | 25 | 114500120 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| 11450B | 125 | 24 | 22 | 25 | 114500224 |
| 11450B | 125 | 36 | 22 | 25 | 114500236 |
| 11450B | 125 | 60 | 22 | 25 | 114500260 |
| 11450B | 125 | 120 | 22 | 25 | 114500320 |

| | Ø mm | P | F mm | | |
|---|---|---|---|---|---|
| 11450C | 180 | 24 | 22 | 25 | 114500424 |
| 11450C | 180 | 36 | 22 | 25 | 114500436 |
| 11450C | 180 | 60 | 22 | 25 | 114500460 |
| 11450C | 180 | 120 | 22 | 25 | 114500520 |

## 11488PF
fixing pads for fibre discs with ring nut M14

| | Ø mm | | |
|---|---|---|---|
| 11488P | 115 | 1 | 114880115 |
| 11488P | 125 | 1 | 114880125 |
| 11488P | 180 | 1 | 114880180 |

## 11491-11493-11495
anti-waste rolls made of corundum abrasive cloth

**h 38 mm x 50 m**

| | H mm | L m | P | | |
|---|---|---|---|---|---|
| 11491 | 38 | 50 | 40 | 1 | 114910004 |
| 11491 | 38 | 50 | 60 | 1 | 114910006 |
| 11491 | 38 | 50 | 80 | 1 | 114910008 |
| 11491 | 38 | 50 | 100 | 1 | 114910010 |
| 11491 | 38 | 50 | 120 | 1 | 114910012 |
| 11491 | 38 | 50 | 150 | 1 | 114910015 |
| 11491 | 38 | 50 | 180 | 1 | 114910018 |
| 11491 | 38 | 50 | 220 | 1 | 114910022 |
| 11491 | 38 | 50 | 240 | 1 | 114910024 |
| 11491 | 38 | 50 | 320 | 1 | 114910032 |
| 11491 | 38 | 50 | 400 | 1 | 114910040 |

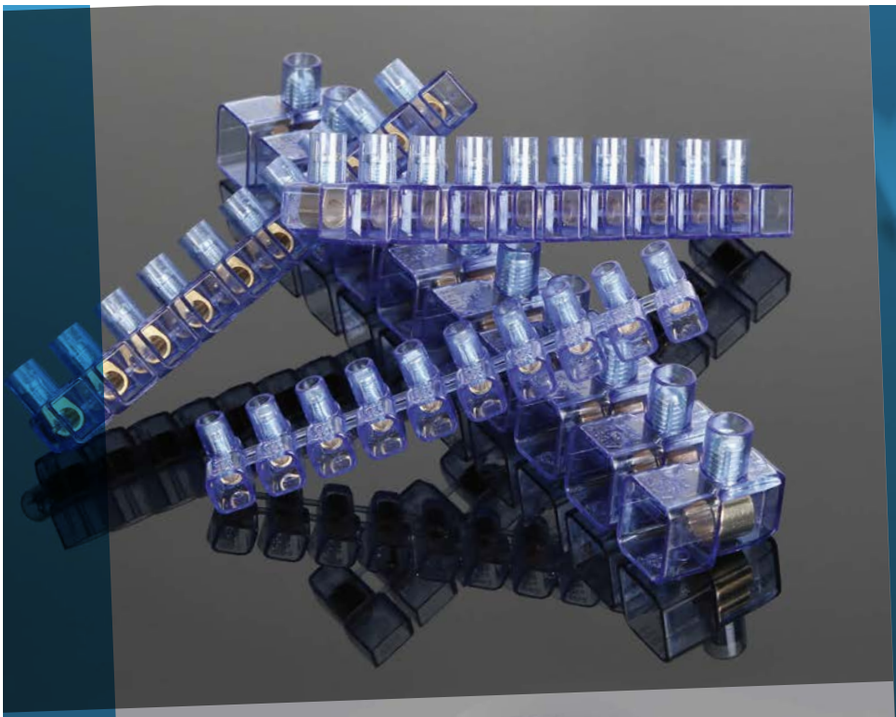
| | H mm | L m | P | | |
|---|---|---|---|---|---|
| 11493 | 50 | 50 | 40 | 1 | 114930004 |
| 11493 | 50 | 50 | 60 | 1 | 114930006 |
| 11493 | 50 | 50 | 80 | 1 | 114930008 |
| 11493 | 50 | 50 | 100 | 1 | 114930010 |
| 11493 | 50 | 50 | 120 | 1 | 114930012 |
| 11493 | 50 | 50 | 150 | 1 | 114930015 |
| 11493 | 50 | 50 | 180 | 1 | 114930018 |
| 11493 | 50 | 50 | 220 | 1 | 114930022 |
| 11493 | 50 | 50 | 240 | 1 | 114930024 |
| 11493 | 50 | 50 | 320 | 1 | 114930032 |
| 11493 | 50 | 50 | 400 | 1 | 114930040 |

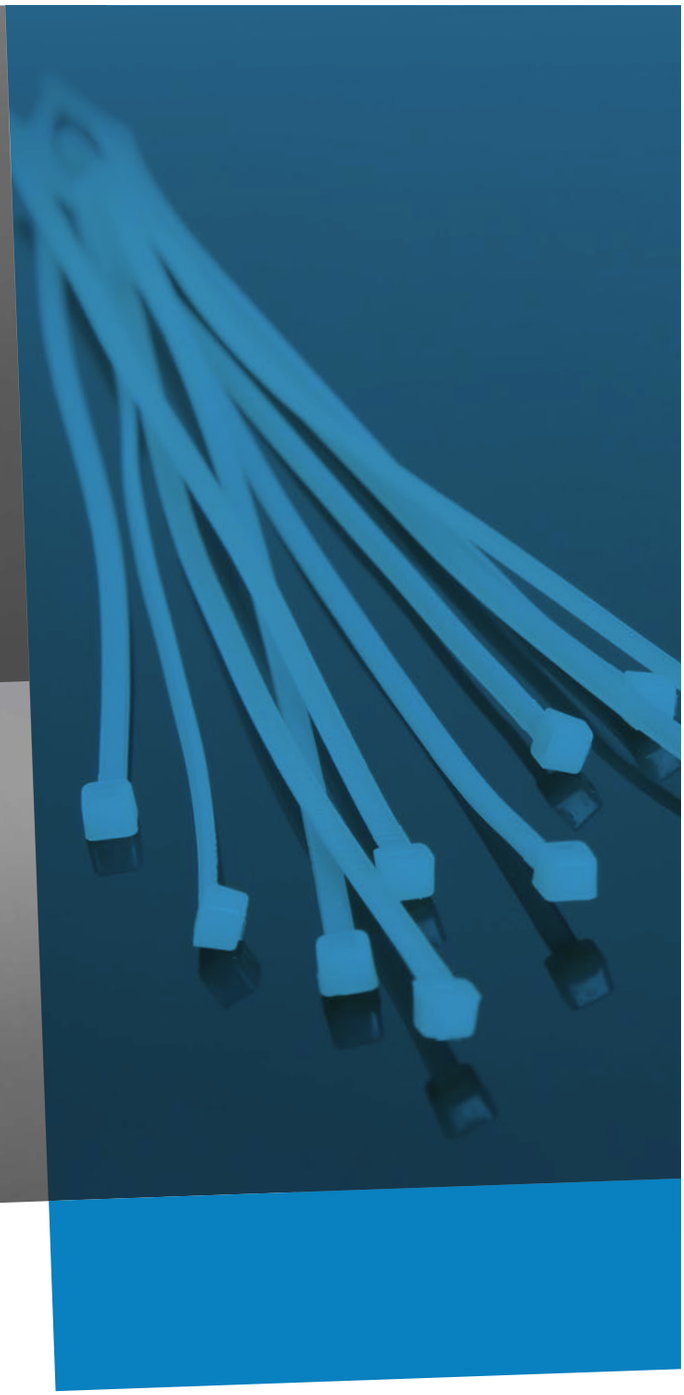
| | H mm | L m | P | | |
|---|---|---|---|---|---|
| 11495 | 120 | 25 | 40 | 1 | 114950004 |
| 11495 | 120 | 25 | 60 | 1 | 114950006 |
| 11495 | 120 | 25 | 80 | 1 | 114950008 |
| 11495 | 120 | 25 | 100 | 1 | 114950010 |
| 11495 | 120 | 25 | 120 | 1 | 114950012 |
| 11495 | 120 | 25 | 180 | 1 | 114950018 |
| 11495 | 120 | 25 | 240 | 1 | 114950024 |
| 11495 | 120 | 25 | 400 | 1 | 114950040 |

## 11498
non-woven anti-waste roll
with corundum synthetic fibres

**h 100 mm x 10 m**

| | H mm | L m | P | | |
|---|---|---|---|---|---|
| 11498 | 100 | 10 | M | 1 | 114980008 |
| 11498 | 100 | 10 | F | 1 | 114980012 |
| 11498 | 100 | 10 | VF | 1 | 114980015 |
| * 11498 | 100 | 10 | UF | 1 | 114980018 |





## PRODUCTS UNDER THE BRAND NAME BM: CABLE TIES, TERMINAL BLOCKS, ELECTRICAL TAPES

BM Group has been designing, manufacturing and distributing connecting parts and electrical installation products since 1958. Quality, safety and reliability have always been BM's key values. Combined with a passion for excellence, these values have allowed the company to develop – step by step – into a benchmark for the electrical material market.
In 2018 BM Group was taken over by Beta Utensili.
This section comprises an accurate selection of products under the brand name BM, supplementing Beta's product range.

### CERTIFIED QUALITY

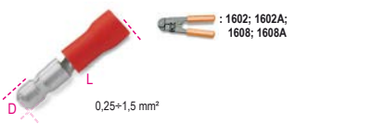
## 1610-B
pre-insulated ring terminals

| D mm | mm² | L mm | | | |
|---|---|---|---|---|---|
| 4 | 0,25-1,5 | 20,6 | | 100 | BM00119 |
| 5 | 0,25-1,5 | 21,8 | | 100 | BM00125 |
| 5 | 1,5-2,5 | 22,4 | | 100 | BM00225 |
| 6 | 1,5-2,5 | 26 | | 100 | BM00231 |
| 8 | 1,5-2,5 | 29,8 | | 100 | BM00237 |
| 6 | 4-6 | 29,1 | | 50 | BM00331 |
| 8 | 4-6 | 34,5 | | 50 | BM00337 |

## 1614-P
pre-insulated ferrule terminals

| D mm | mm² | L mm | | | |
|---|---|---|---|---|---|
| 1,8 | 0,25-1,5 | 20 | | 100 | BM00151 |
| 1,8 | 1,5-2,5 | 20 | | 100 | BM00251 |
| 2,6 | 4-6 | 28 | | 50 | BM00350 |

## 1616-SM
pre-insulated male pin terminals

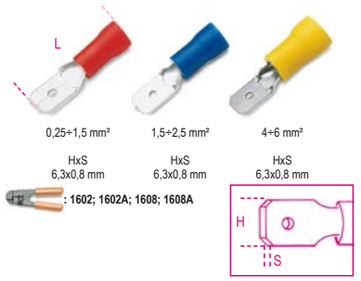



| D mm | mm² | L mm | | | |
|---|---|---|---|---|---|
| 4 | 0,25-1,5 | 21 | | 100 | BM00130 |

## 1618-SF
pre-insulated female pin terminals

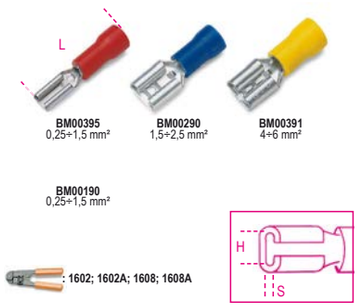
| D mm | mm² | L mm | | | |
|---|---|---|---|---|---|
| 4 | 0,25-1,5 | 23,5 | | 100 | BM00140 |

## 1620-M
pre-insulated quick male terminals



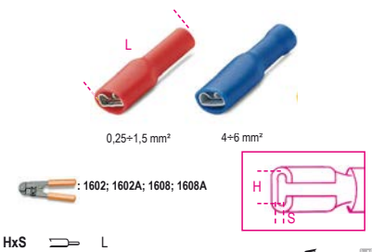

| HxS mm | mm² | L mm | | | |
|---|---|---|---|---|---|
| 6,3x0,8 | 0,25-1,5 | 21 | | 100 | BM00180 |
| 6,3x0,8 | 1,5-2,5 | 21 | | 100 | BM00280 |
| 6,3x0,8 | 4-6 | 24,5 | | 50 | BM00380 |

## 1622-F
pre-insulated quick female terminals



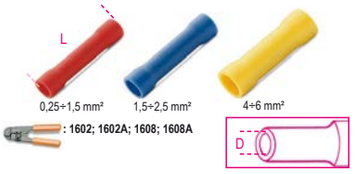

| HxS mm | mm² | L mm | | | |
|---|---|---|---|---|---|
| 6,3x0,8 | 0,25-1,5 | 20,7 | | 100 | BM00190 |
| 2,8x0,5 | 0,25-1,5 | 18,5 | | 100 | BM00395 |
| 6,3x0,8 | 1,5-2,5 | 20,7 | | 100 | BM00290 |
| 6,3x0,8 | 4-6 | 24,5 | | 50 | BM00391 |

## 1624-FI
insulated quick female terminals




| HxS mm | mm² | L mm | | | |
|---|---|---|---|---|---|
| 6,3x0,8 | 0,25-1,5 | 22 | | 100 | BM00191 |
| 6,3x0,8 | 1,5-2,5 | 22 | | 50 | BM00291 |
| 6,3x0,8 | 4-6 | 25 | | 50 | BM00392 |

## 1628-C
pre-insulated cable connectors




| D mm | mm² | L mm | | | |
|---|---|---|---|---|---|
| 1,8 | 0,25-1,5 | 25 | | 100 | BM00160 |
| 2,5 | 1,5-2,5 | 26,5 | | 100 | BM00260 |
| 3,7 | 4-6 | 27 | | 50 | BM00360 |

## 1630-CR
quick connectors

| mm² | L mm | | | |
|---|---|---|---|---|
| 0,25-1 | 20 | | 500 | BM00110 |
| 1,25-2,5 | 20 | | 500 | BM00210 |

## 1632-TS
single tube terminals

| mm² | L mm | | | |
|---|---|---|---|---|
| 0,5 | 14 | | 500 | BM00601 |
| 0,75 | 14 | | 500 | BM00602 |
| 1 | 14 | | 500 | BM00603 |
| 1,5 | 14 | | 500 | BM00604 |
| 2,5 | 14 | | 250 | BM00506 |
| 4 | 17 | | 200 | BM00508 |
| 6 | 20 | | 100 | BM00610 |

## 1634-TD
dual tube terminals

| mm² | L mm | | | |
|---|---|---|---|---|
| 2x0,5 | 15 | | 200 | BM00651 |
| 2x0,75 | 15 | | 200 | BM00652 |
| 2x1 | 15 | | 200 | BM00654 |
| 2x1,5 | 16 | | 200 | BM00656 |
| 2x2,5 | 18,5 | | 100 | BM00558 |
| 2x4 | 23 | | 100 | BM00560 |
| 2x6 | 26 | | 50 | BM00661 |

## 1635-S

closed end connector terminals, for free connections

**Insulating housing: transparent polycarbonate UL94 V0**
**Conductive body: brass**
**Captive screw: galvanized steel**
**Self-extinguishing: EN60695-2-10 a 850°C, EN 60335-1:2002 +A2:2006, EN60695-2-11**
**Working temperature: max. 85 °C**
**Degree of protection: IP20**
**Reference standards: EN60998-1: EN60998-2-1:2004**

| mm² | L mm | L1 mm | S mm | mm² | N | | | |
|---|---|---|---|---|---|---|---|---|
| **1.5** | 15 | 7.5 | 14.5 | 1.5 | 2 | 10 | BM991 |
| | | | | 1 | 2÷3 | | |
| | | | | 0.75 | 2÷4 | | |
| **2.5** | 17.5 | 9 | 18.2 | 2.5 | 2 | 10 | BM992 |
| | | | | 1.5 | 2÷3 | | |
| | | | | 1 | 2÷4 | | |
| **4** | 21 | 10.3 | 20 | 4 | 2 | 10 | BM9924 |
| | | | | 2 | 2÷3 | | |
| | | | | 1.5 | 2÷4 | | |
| **6** | 22.5 | 11.8 | 23 | 6 | 2 | 10 | BM993 |
| | | | | 4 | 2÷3 | | |
| | | | | 2.5 | 2÷4 | | |
| **10** | 26 | 14.7 | 26 | 10 | 2 | 10 | BM994 |
| | | | | 6 | 2÷3 | | |
| | | | | 4 | 2÷4 | | |
| **16** | 31.8 | 18.8 | 32.2 | 16 | 2 | 10 | BM995 |
| | | | | 10 | 2÷3 | | |
| | | | | 6 | 2÷4 | | |

## 1635-S

| mm² | L mm | L1 mm | S mm | mm² | N | | |
|---|---|---|---|---|---|---|---|
| **25** | 36.3 | 22.5 | 41.9 | 25 | 2 | 25 | BM9960 |
| | | | | 16 | 2÷3 | | |
| | | | | 10 | 2÷4 | | |
| **35** | 43.5 | 26.1 | 49.4 | 35 | 2 | 25 | BM9961 |
| | | | | 25 | 2÷3 | | |
| | | | | 16 | 2÷4 | | |

## 1748-BV2

nylon cable ties, natural colour

**Material: polyamide PA 6.6**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN); type 21 (UL)**

| mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| **2.5** | 80 | 14 | 80 | 100 | BMB0824 |
| **2.5** | 100 | 20.5 | 80 | 100 | BMB1025 |
| **2.5** | 120 | 27 | 80 | 100 | BMB1225 |
| **2.5** | 160 | 40 | 80 | 100 | BMB1625 |
| **2.5** | 200 | 52.5 | 80 | 100 | BMB2025 |
| **3.6** | 140 | 33 | 180 | 100 | BMB1436 |
| **3.6** | 200 | 52.5 | 180 | 100 | BMB2036 |
| **3.6** | 300 | 106 | 180 | 100 | BMB2936 |
| **3.6** | 370 | 105 | 180 | 100 | BMB3736 |
| **4.6** | 120 | 24 | 220 | 100 | BMB1248 |
| **4.6** | 160 | 36 | 220 | 100 | BMB1648 |
| **4.8** | 188 | 46 | 220 | 100 | BMB1948 |
| **4.8** | 200 | 50 | 220 | 100 | BMB2048 |
| **4.8** | 250 | 65 | 220 | 100 | BMB2548 |
| **4.8** | 300 | 81 | 220 | 100 | BMB3048 |
| **4.8** | 370 | 103.5 | 220 | 100 | BMB3748 |
| **4.8** | 390 | 110 | 220 | 100 | BMB3948 |
| **4.8** | 430 | 122.5 | 220 | 100 | BMB4348 |
| **4.8** | 530 | 160 | 220 | 100 | BMB5348 |
| **7.6** | 150 | 24 | 550 | 100 | BMB1576 |
| **7.6** | 200 | 51 | 550 | 100 | BMB2076 |
| **7.6** | 300 | 83 | 550 | 100 | BMB2976 |
| **7.6** | 370 | 103.5 | 550 | 100 | BMB3776 |
| **7.6** | 450 | 130.5 | 550 | 100 | BMB4576 |
| **7.6** | 540 | 159 | 550 | 100 | BMB5476 |
| **7.6** | 750 | 226 | 550 | 100 | BMB7576 |
| **8.8** | 550 | 163.5 | 800 | 100 | BMB5390 |
| **8.8** | 710 | 195 | 800 | 100 | BMB7190 |
| **8.8** | 780 | 235.5 | 800 | 100 | BMB7890 |
| **9.0** | 430 | 130.5 | 800 | 100 | BMB4390 |
| **9.0** | 810 | 245 | 800 | 100 | BMB8190 |
| **9.0** | 1020 | 295 | 800 | 100 | BMB1090 |
| **9.0** | 1220 | 375.5 | 800 | 100 | BMB1290 |
| **9.0** | 1530 | 460 | 800 | 100 | BMB1590 |

## 1748N

nylon cable ties, black
UV resistant

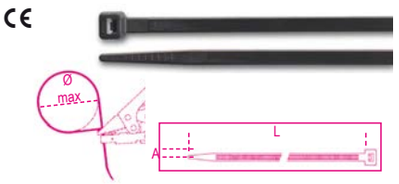
**Material: polyamide PA 6.6 + carbon black**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN)**

| mm | L mm | Ø mm | F MAX N | | |
|---|---|---|---|---|---|
| **2.5** | 80 | 14 | 80 | 100 | BMN0824 |
| **2.5** | 100 | 20.5 | 80 | 100 | BMN1025 |
| **2.5** | 120 | 27 | 80 | 100 | BMN1225 |
| **2.5** | 160 | 40 | 80 | 100 | BMN1625 |
| **2.5** | 200 | 52.5 | 80 | 100 | BMN2025 |
| **3.6** | 140 | 33 | 180 | 100 | BMN1436 |
| **3.6** | 200 | 52.5 | 180 | 100 | BMN2036 |
| **3.6** | 300 | 106 | 180 | 100 | BMN2936 |
| **3.6** | 370 | 105 | 180 | 100 | BMN3736 |
| **4.6** | 120 | 24 | 220 | 100 | BMN1248 |
| **4.6** | 160 | 36 | 220 | 100 | BMN1648 |
| **4.8** | 188 | 46 | 220 | 100 | BMN1948 |
| **4.8** | 200 | 50 | 220 | 100 | BMN2048 |
| **4.8** | 250 | 65 | 220 | 100 | BMN2548 |
| **4.8** | 300 | 81 | 220 | 100 | BMN3048 |
| **4.8** | 370 | 103.5 | 550 | 100 | BMN3748 |
| **4.8** | 390 | 110 | 220 | 100 | BMN3948 |
| **4.8** | 430 | 122.5 | 220 | 100 | BMN4348 |
| **4.8** | 530 | 160 | 220 | 100 | BMN5348 |
| **7.6** | 150 | 24 | 550 | 100 | BMN1576 |
| **7.6** | 200 | 51 | 550 | 100 | BMN2076 |
| **7.6** | 300 | 83 | 550 | 100 | BMN2976 |
| **7.6** | 370 | 103.5 | 550 | 100 | BMN3776 |
| **7.6** | 450 | 130.5 | 550 | 100 | BMN4576 |
| **7.6** | 540 | 159 | 550 | 100 | BMN5476 |
| **7.6** | 750 | 226 | 550 | 100 | BMN7576 |
| **8.8** | 550 | 163 | 800 | 100 | BMN5390 |
| **8.8** | 710 | 195 | 800 | 100 | BMN7190 |
| **8.8** | 780 | 235.5 | 800 | 100 | BMN7890 |
| **9.0** | 430 | 130 | 800 | 100 | BMN4390 |
| **9.0** | 810 | 245 | 800 | 100 | BMN8190 |
| **9.0** | 1020 | 295 | 800 | 100 | BMN1090 |
| **9.0** | 1220 | 375.5 | 800 | 100 | BMN1290 |
| **9.0** | 1530 | 460 | 800 | 100 | BMN1590 |

## 1748-UL

nylon cable ties, for heavy loads, black
UV and IMPACT resistant

**Material: polyamide PA 6.6 + carbon black**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN); type 21 (UL)**




| mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| **12.4** | 230 | 57 | 1200 | 100 | BMN2412 |
| **12.4** | 480 | 136.5 | 1200 | 100 | BMN4912 |
| **12.4** | 730 | 216.1 | 1200 | 100 | BMN7412 |
| **12.4** | 880 | 263.9 | 1200 | 100 | BMN8912 |
| **12.4** | 1000 | 305 | 1200 | 100 | BMN1012 |

## 1748-N2D

nylon cable ties,
black,
UV resistant

**Material: polyamide PA 6.6 + carbon black**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN)**

CE

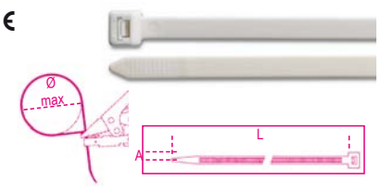
| A mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| **9.0** | 180 | 40 | 400 | 100 | BMN1890 |
| **9.0** | 265 | 62 | 540 | 100 | BMN2690 |
| **9.0** | 360 | 93 | 540 | 100 | BMN3690 |

## 1748-BVO

self-extinguishing nylon cable ties,
white

**Material: polyamide PA 6.6**
**Self extinguishing class: UL 94-V0**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good**
**resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN)**

CE



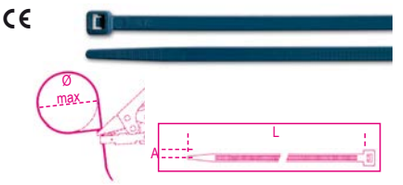

| A mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| **2.5** | 100 | 20.5 | 80 | 100 | BMB1025V0 |
| **3.6** | 150 | 36.0 | 180 | 100 | BMB1536V0 |
| **3.6** | 200 | 52.5 | 180 | 100 | BMB2036V0 |
| **4.8** | 200 | 49.5 | 230 | 100 | BMB2048V0 |
| **4.8** | 300 | 81.0 | 230 | 100 | BMB3048V0 |
| **4.8** | 380 | 106.7 | 230 | 100 | BMB3848V0 |
| **7.6** | 380 | 106.7 | 540 | 100 | BMB3876V0 |

## 1748-BX

nylon cable ties,
blue,
detectable by metal detectors

**Material: polyamide PA 6.6 + metal powder**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40°C ÷ +85°C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN)**

CE



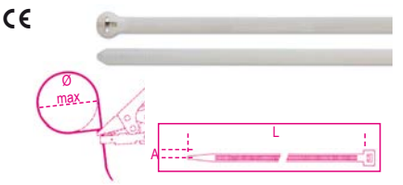

| A mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| **2.5** | 100 | 20.5 | 80 | 100 | BMBX1025 |
| **3.6** | 150 | 36.0 | 180 | 100 | BMBX1536 |
| **3.6** | 200 | 52.5 | 180 | 100 | BMBX2036 |
| **4.8** | 200 | 49.5 | 230 | 100 | BMBX2048 |
| **4.8** | 300 | 81.0 | 230 | 100 | BMBX3048 |
| **4.8** | 380 | 106.7 | 230 | 100 | BMBX3848 |
| **7.6** | 380 | 106.7 | 540 | 100 | BMBX3876 |

## 1748-BL

steel tooth nylon cable ties,
natural colour

**Material: polyamide PA 6.6 + steel**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN)**

CE



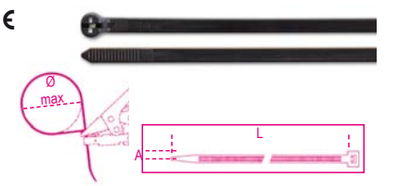

| A mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| **2.5** | 100 | 20.5 | 180 | 100 | BMBL1025 |
| **3.6** | 140 | 33.0 | 250 | 100 | BMBL1436 |
| **2.5** | 200 | 52.5 | 180 | 100 | BMBL2025 |
| **4.8** | 200 | 49.5 | 360 | 100 | BMBL2048 |
| **4.8** | 300 | 81.0 | 360 | 100 | BMBL3048 |
| **4.8** | 370 | 103.5 | 360 | 100 | BMBL3748 |
| **7.6** | 370 | 103.5 | 780 | 100 | BMBL3776 |

## 1748-NL

steel tooth nylon cable ties,
black,
UV resistant

**Material: polyamide PA 6.6 + steel + carbon black**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN)**

CE



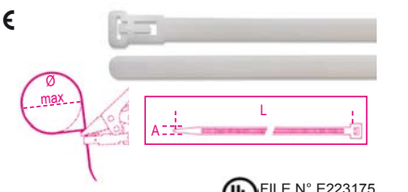

| A mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| **2.5** | 100 | 20.5 | 180 | 100 | BMNL1025 |
| **3.6** | 140 | 33.0 | 250 | 100 | BMNL1436 |
| **2.5** | 200 | 52.5 | 180 | 100 | BMNL2025 |
| **4.8** | 200 | 49.5 | 360 | 100 | BMNL2048 |
| **4.8** | 300 | 81.0 | 360 | 100 | BMNL3048 |
| **4.8** | 370 | 103.5 | 360 | 100 | BMNL3748 |
| **7.6** | 370 | 103.5 | 780 | 100 | BMNL3776 |

## 1748-BR

reusable nylon cable ties,
natural colour

**Material: polyamide PA 6.6**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN); type 21 (UL)**

CE




UL FILE N° E223175

| A mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| **7.6** | 150 | 40 | 230 | 100 | BMBR1576 |
| **7.6** | 200 | 55 | 230 | 100 | BMBR2076 |
| **7.6** | 300 | 82 | 230 | 100 | BMBR3076 |

## 1748-BH

nylon cable ties with eyelets, natural colour

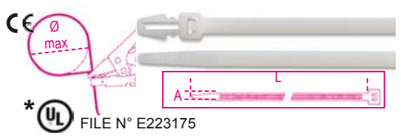
**Material: polyamide PA 6.6**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN); type 21 (UL)**

| A mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| **2.5** | 110 | 19.0 | 80 | 100 | BMBH1125 |
| * **4.8** | 200 | 49.8 | 230 | 100 | BMBH2048 |
| * **7.6** | 305 | 78.7 | 550 | 100 | BMBH3076 |

## 1748-BP

insertion nylon cable ties, natural colour

**Material: polyamide PA 6.6**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN); type 21 (UL)**

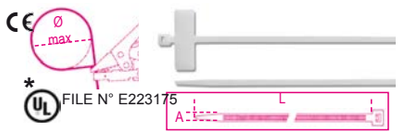



| A mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| **3.6** | 155 | 37.9 | 180 | 100 | BMBP1536 |
| * **4.8** | 200 | 50.8 | 230 | 100 | BMBP2048 |

## 1748-BT

nylon cable ties with cross plates, 25x8mm, natural colour

**Material: polyamide PA 6.6**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN); type 21 (UL)**




| A mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| * **2.5** | 100 | 22.0 | 80 | 100 | BMBT21025 |
| **2.5** | 200 | 53.5 | 80 | 100 | BMBT22025 |

## 1748-BT2

nylon cable ties with lengthwise plates, 13x27mm, natural colour

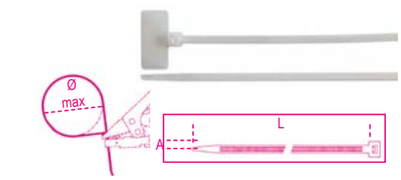
**Material: polyamide PA 6.6**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN)**

| A mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| **4.8** | 190 | 51 | 230 | 100 | BMBT12248 |

## 1748-BT3

nylon cable ties with exterior plates, 20x9mm, natural colour

**Material: polyamide PA 6.6**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: good Resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**
**Reference standards: EN 62275:2015-02**
**Classification: type 1 (EN)**

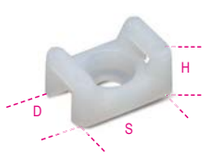



| A mm | L mm | Ø MAX mm | F MAX N | | |
|---|---|---|---|---|---|
| **2.5** | 110 | 22 | 80 | 100 | BMBT11125 |

## 1748-BA1

cable tie mounts

**Material: polyamide PA 6.6**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**




| SxDxH mm | Ø mm | F mm | | |
|---|---|---|---|---|
| **15.2x9.4x6.8** | 3.3 | 3.6 | 100 | BMB0905 |
| **22x16.2x10.8** | 5.2 | 9 | 100 | BMB0906 |

## 1748-NA1

cable tie mounts

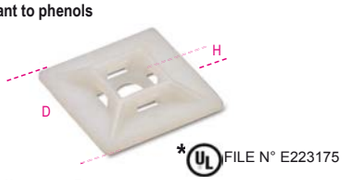
**Material: polyamide PA 6.6**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**

| SxDxH mm | Ø mm | F mm | | |
|---|---|---|---|---|
| **15.2x9.4x6.8** | 3.3 | 3.6 | 100 | BMN0905 |
| **22x16.2x10.8** | 5.2 | 9 | 100 | BMN0906 |

## 1748-BA2

cable tie mounts - two-way

**Material: polyamide PA 6.6**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**

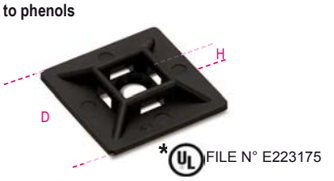



| SxDxH mm | F mm | | |
|---|---|---|---|
| **19x19x5.4** | 3.6 | 100 | BMB0901 |
| * **28x28x7** | 4.8 | 100 | BMB0902 |
| * **28x28x5.8** | 4.8 | 100 | BMB0903 |

## 1748-NA2

cable tie mounts - two-way, UV resistant

**Material: polyamide PA 6.6**
**Self-extinguishing class: UL 94-V2**
**Working temperature: -40 °C ÷ +85 °C**
**Minimum installation temperature: -10 °C**
**Resistance to chemicals: Good resistance to bases, oils, greases, chloride solvents. Limited resistance to acids. Not resistant to phenols**

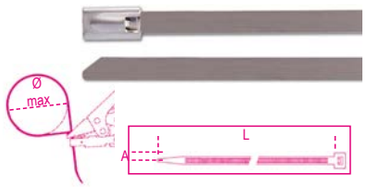



| SxDxH mm | F mm | | |
|---|---|---|---|
| **19x19x5.4** | 3.6 | 100 | BMN0901 |
| * **28x28x7** | 4.8 | 100 | BMN0902 |
| * **28x28x5.8** | 4.8 | 100 | BMN0903 |

## 1748-S

self-locking stainless steel cable ties

**Material: stainless steel AISI 304**
**Locking device: roller ball type**
**Self-extinguishing class: non-flammable**
**Plenum rating: AH-1**
**UV resistance: excellent**
**Working temperature: -60 °C ÷ +300 °C**
**Minimum installation temperature: -60 °C**
**Resistance to chemicals: excellent**
**Reference standards: EN 62275:2015-02**
**Classification: type 2 (EN); type 2 (UL)**

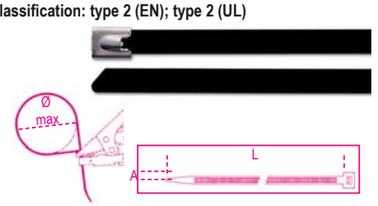



| A mm | L mm | ØMAX mm | Trazione N | | |
|---|---|---|---|---|---|
| **4.6** | 125 | 38 | 890 | 100 | BMS1345 |
| **4.6** | 200 | 61 | 890 | 100 | BMS2045 |
| **7.9** | 200 | 61 | 1500 | 100 | BMS2079 |
| **4.6** | 290 | 90 | 890 | 100 | BMS3045 |
| **7.9** | 300 | 90 | 1500 | 100 | BMS3079 |
| **4.6** | 360 | 112 | 890 | 100 | BMS3745 |
| **7.9** | 360 | 112 | 1500 | 100 | BMS3779 |
| **7.9** | 520 | 163 | 1500 | 100 | BMS5079 |
| **4.6** | 520 | 163 | 890 | 100 | BMS5245 |
| **4.6** | 680 | 214 | 890 | 100 | BMS6845 |
| **7.9** | 680 | 214 | 1500 | 100 | BMS6879 |
| **4.6** | 840 | 265 | 890 | 100 | BMS8445 |
| **7.9** | 840 | 265 | 1500 | 100 | BMS8479 |

## 1748-SC

self-locking stainless steel cable ties, black polyester coating

**Material: stainless steel AISI 304 + polyester**
**Locking device: roller ball type**
**Self-extinguishing class: non-flammable**
**Plenum rating: AH-1**
**UV resistance: excellent**
**Working temperature: -60 °C ÷+300 °C**
**Minimum installation temperature: -60 °C**
**Resistance to chemicals: excellent**
**Reference standards: EN 62275:2015-02**
**Classification: type 2 (EN); type 2 (UL)**




| A mm | L mm | ØMAX mm | Trazione N | | |
|---|---|---|---|---|---|
| **4.6** | 125 | 38 | 450 | 100 | BMSC1345 |
| **4.6** | 200 | 61 | 450 | 100 | BMSC2045 |
| **7.9** | 200 | 61 | 800 | 100 | BMSC2079 |
| **4.6** | 290 | 90 | 450 | 100 | BMSC3045 |
| **7.9** | 300 | 90 | 800 | 100 | BMSC3079 |
| **4.6** | 360 | 112 | 450 | 100 | BMSC3745 |
| **7.9** | 360 | 112 | 800 | 100 | BMSC3779 |
| **7.9** | 520 | 163 | 800 | 100 | BMSC5079 |
| **4.6** | 520 | 163 | 450 | 100 | BMSC5245 |
| **4.6** | 680 | 214 | 450 | 100 | BMSC6845 |
| **7.9** | 680 | 214 | 800 | 100 | BMSC6879 |
| **4.6** | 840 | 265 | 450 | 100 | BMSC8445 |
| **7.9** | 840 | 265 | 800 | 100 | BMSC8479 |

## 1748-ST

automatic clamps for stainless steel cable ties, for cable ties with width ranging from 4.6 to 9 mm, automatic tension and cut control

| | | |
|---|---|---|
| **BMS-T** | 1 | BM1105 |

## 1639ESB

PVC electrical tape

**Working temperature: 0-90°C**
**Tensile strength: 28N/cm equivalent to 18.6 N/mm²**
**Elongation: 200%**
**Adhesion to steel: 2.2N/cm**
**Adhesion to backing: 2 N/cm**
**Dielectric strength: 45kV/mm**
**Flammability: flame retardant**
**Reference standards: IEC 60454-2**
**Classification: CEI EN 60454-3-1-5/F-PVCP/90**

| S mm | A mm | L m | | | |
|---|---|---|---|---|---|
| **0.15** | 15 | 10 | | 10 | BMESB1510BI |
| **0.15** | 15 | 10 | | 10 | BMESB1510BL |
| **0.15** | 15 | 10 | | 10 | BMESB1510GI |
| **0.15** | 15 | 10 | | 10 | BMESB1510GR |
| **0.15** | 15 | 10 | | 10 | BMESB1510GV |
| **0.15** | 15 | 10 | | 10 | BMESB1510MA |
| **0.15** | 15 | 10 | | 10 | BMESB1510NE |
| **0.15** | 15 | 10 | | 10 | BMESB1510RO |
| **0.15** | 15 | 10 | | 10 | BMESB1510VE |
| **0.15** | 15 | 25 | | 10 | BMESB1525BI |
| **0.15** | 15 | 25 | | 10 | BMESB1525BL |
| **0.15** | 15 | 25 | | 10 | BMESB1525GI |
| **0.15** | 15 | 25 | | 10 | BMESB1525GR |
| **0.15** | 15 | 25 | | 10 | BMESB1525GV |
| **0.15** | 15 | 25 | | 10 | BMESB1525MA |
| **0.15** | 15 | 25 | | 10 | BMESB1525NE |
| **0.15** | 15 | 25 | | 10 | BMESB1525RO |
| **0.15** | 15 | 25 | | 10 | BMESB1525VE |
| **0.15** | 19 | 25 | | 10 | BMESB1925BI |
| **0.15** | 19 | 25 | | 10 | BMESB1925BL |
| **0.15** | 19 | 25 | | 10 | BMESB1925GI |
| **0.15** | 19 | 25 | | 10 | BMESB1925GR |
| **0.15** | 19 | 25 | | 10 | BMESB1925GV |
| **0.15** | 19 | 25 | | 10 | BMESB1925MA |
| **0.15** | 19 | 25 | | 10 | BMESB1925NE |
| **0.15** | 19 | 25 | | 10 | BMESB1925RO |
| **0.15** | 19 | 25 | | 10 | BMESB1925VE |
| **0.15** | 25 | 25 | | 8 | BMESB2525BI |
| **0.15** | 25 | 25 | | 8 | BMESB2525BL |
| **0.15** | 25 | 25 | | 8 | BMESB2525GI |
| **0.15** | 25 | 25 | | 8 | BMESB2525GR |
| **0.15** | 25 | 25 | | 8 | BMESB2525GV |
| **0.15** | 25 | 25 | | 8 | BMESB2525MA |
| **0.15** | 25 | 25 | | 8 | BMESB2525NE |
| **0.15** | 25 | 25 | | 8 | BMESB2525RO |
| **0.15** | 25 | 25 | | 8 | BMESB2525VE |

## 1639ESC

PVC electrical tape

**Working temperature: 0-80°C**
**Tensile strength: 28N/cm equivalent to 18.6 N/mm²**
**Elongation: 200%**
**Adhesion to steel: 2.2N/cm**
**Adhesion to backing: 2.2 N/cm**
**Dielectric strength: 38kV/mm**
**Flammability: flame retardant**
**Reference standards: ASTM-D-1000 ; UL510**
**Classification: CEI EN 60454-3-1-5/F-PVCP/90**

| S mm | A mm | L m | | |
|---|---|---|---|---|
| 0.18 | 19 | 20 | 10 | BMESC1920NE |

## 1639ETA

PVC electrical tape for extreme temperatures

**Working temperature: -18 ÷ +105 °C**
**Tensile strength: 35N/cm equivalent to 19.4 N/mm²**
**Elongation: 300%**
**Adhesion to steel: 3.1N/cm**
**Adhesion to backing: 2.7 N/cm**
**Dielectric strength: 55.5kV/mm**
**Flammability: flame retardant**
**Reference standards: ASTM-D-1000 ; UL510**
**Classification: CEI EN 60454-3-1-5/F-PVCP/90**

| S mm | A mm | L m | | |
|---|---|---|---|---|
| 0.18 | 19 | 20 | 1 | BMETA1920NE |

## 1639EAB

EPR self-amalgamating electrical tape

**Working temperature: -40 ÷ +90 °C**
**Tensile strength: 2.4 N/mm²**
**Elongation: 750%**
**Dielectric strength: 29.5kV/mm**
**Flammability: flame retardant**
**Reference standards: ASTM-D-4388; ASTM-D-4325**
**Excellent resistance to: moisture, corrosion, chemicals**

| S mm | A mm | L m | | |
|---|---|---|---|---|
| 0.76 | 19 | 9 | 1 | BMEAB1909NE |

# BLISTER PACK
## RANGE

free-service sales!

- **Increased visibility**
- **Display efficiency**
- **Bar code**

*Blister pack support:*
- *tearproof PVC*
- *4 formats for optimized display space*
- *New-generation fixing system with elastic band*

## 42K

| mm | | |
|---|---|---|
| 5,5x5,5 | 5 | 000429505 |
| 6x6 | 5 | 000429506 |
| 7x7 | 5 | 000429507 |
| 8x8 | 5 | 000429508 |
| 9x9 | 5 | 000429509 |
| 10x10 | 5 | 000429510 |
| 11x11 | 5 | 000429511 |
| 12x12 | 5 | 000429512 |
| 13x13 | 5 | 000429513 |
| 14x14 | 5 | 000429514 |
| 15x15 | 5 | 000429515 |
| 16x16 | 5 | 000429516 |
| 17x17 | 5 | 000429517 |
| 18x18 | 5 | 000429518 |
| 19x19 | 5 | 000429519 |
| 20x20 | 3 | 000429520 |
| 21x21 | 3 | 000429521 |
| 22x22 | 3 | 000429522 |
| 23x23 | 3 | 000429523 |
| 24x24 | 3 | 000429524 |
| 25x25 | 2 | 000429525 |
| 26x26 | 2 | 000429526 |
| 27x27 | 2 | 000429527 |
| 28x28 | 2 | 000429528 |
| 29x29 | 2 | 000429529 |
| 30x30 | 2 | 000429530 |
| 32x32 | 2 | 000429532 |

## 55K

| mm | | |
|---|---|---|
| 6x7 | 5 | 000559012 |
| 8x9 | 5 | 000559021 |
| 10x11 | 5 | 000559030 |
| 10x12 | 5 | 000559033 |
| 10x13 | 5 | 000559035 |
| 12x13 | 5 | 000559042 |
| 12x14 | 5 | 000559045 |
| 13x17 | 5 | 000559051 |
| 14x15 | 5 | 000559054 |
| 14x17 | 5 | 000559057 |
| 16x17 | 5 | 000559060 |
| 17x19 | 2 | 000559063 |
| 18x19 | 2 | 000559066 |
| 19x22 | 2 | 000559069 |
| 20x22 | 2 | 000559075 |
| 21x23 | 2 | 000559078 |
| 22x24 | 2 | 000559081 |
| 24x26 | 2 | 000559087 |
| 24x27 | 2 | 000559090 |
| 25x28 | 2 | 000559096 |
| 27x29 | 2 | 000559099 |
| 27x30 | 2 | 000559102 |
| 30x32 | 2 | 000559108 |

## 90K

| mm | | |
|---|---|---|
| 6x7 | 5 | 000909006 |
| 8x9 | 5 | 000909012 |
| 10x11 | 5 | 000909018 |
| 12x13 | 5 | 000909027 |
| 14x15 | 5 | 000909033 |
| 16x17 | 5 | 000909039 |
| 18x19 | 5 | 000909045 |
| 20x22 | 3 | 000909051 |
| 21x23 | 2 | 000909057 |
| 24x26 | 2 | 000909063 |
| 24x27 | 2 | 000909067 |
| 25x28 | 2 | 000909070 |
| 27x29 | 2 | 000909073 |
| 30x32 | 2 | 000909080 |

## 93K

| mm | | |
|---|---|---|
| 21x22 | 3 | 000939021 |

## 94K

| mm | | |
|---|---|---|
| 8x10 | 2 | 000949008 |
| 9x11 | 2 | 000949009 |
| 10x11 | 2 | 000949010 |
| 11x13 | 2 | 000949011 |
| 12x14 | 2 | 000949012 |
| 13x15 | 2 | 000949013 |
| 14x15 | 2 | 000949014 |
| 14x17 | 2 | 000949015 |
| 17x19 | 2 | 000949017 |
| 19x22 | 2 | 000949019 |
| 22x24 | 2 | 000949022 |
| 24x27 | 2 | 000949024 |
| 30x32 | 2 | 000949030 |

## 96/SC9

| | | |
|---|---|---|
| **96/SC9**<br>1,5-2-2,5-3-4-5-6-8-10 mm | 1 | 000960374 |

## 96/ST6K

| | | |
|---|---|---|
| **96/ST6K**<br>2,5-3-4-5-6-8 mm | 3 | 000969370 |

## 96N/ST6K

| | | |
|---|---|---|
| **96N/ST6K**<br>2,5-3-4-5-6-8 mm | 3 | 000969640 |

## 96BPA/SC9

| | | |
|---|---|---|
| **96BPA/SC9**<br>1,5-2-2,5-3-4-5-6-8-10 mm | 1 | 000961974 |

## 96BP-CL/SC9

| | | |
|---|---|---|
| **96BP-CL/SC9**<br>1,5-2-2,5-3-4-5-6-8-10 mm | 1 | 000961619 |

## 96BPC/SC9

| | | |
|---|---|---|
| **96BPC/SC9**<br>1,5-2-2,5-3-4-5-6-8-10 mm | 1 | 000960354 |

## 96C/AS

| " | | |
|---|---|---|
| 1/16 | 20 | 000961702 |
| 3/32 | 20 | 000961706 |
| 1/8 | 20 | 000961710 |
| 5/32 | 20 | 000961714 |
| 3/16 | 20 | 000961716 |
| 7/32 | 20 | 000961718 |
| 1/4 | 20 | 000961720 |
| 5/16 | 10 | 000961724 |
| 3/8 | 10 | 000961728 |

## 96LBP/SC9

| | | |
|---|---|---|
| **96LBP/SC9**<br>1,5-2-2,5-3-4-5-6-8-10 mm | 1 | 000961354 |

## 96/BGS7

| | | |
|---|---|---|
| **96/BGS7**<br>1,5-2-2,5-3-4-5-6 mm | 1 | 000960367 |

## 96/BG7

| | | |
|---|---|---|
| **96/BG7**<br>2,5-3-4-5-6-8-10 mm | 1 | 000960368 |

## 96TK

| mm | | |
|---|---|---|
| **2** | 5 | 000969934 |
| **2,5** | 5 | 000969935 |
| **3** | 5 | 000969936 |
| **4** | 5 | 000969938 |
| **5** | 5 | 000969940 |
| **6** | 5 | 000969941 |
| **8** | 3 | 000969943 |
| **10** | 3 | 000969945 |

## 97BTX/SC8

| | | |
|---|---|---|
| **97BTX/SC8**<br>T9-T10-T15-T20-T25-T27-T30-T40 | 1 | 000970164 |

## 97BTXL/SC8

| | | |
|---|---|---|
| **97BTXL/SC8**<br>T9-T10-T15-T20-<br>T25-T27-T30-T40 | 1 | 000970364 |

## 111K

| L<br>mm | | |
|---|---|---|
| **100** | 3 | 001119010 |
| **150** | 3 | 001119015 |
| **200** | 3 | 001119020 |
| **250** | 3 | 001119025 |
| **300** | 3 | 001119030 |

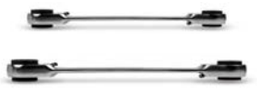
## 123/K4

| | | |
|---|---|---|
| **123/K4** | 1 | 001230504 |

## 142K

| mm | | |
|---|---|---|
| **6** | 3 | 001429006 |
| **7** | 3 | 001429007 |
| **8** | 3 | 001429008 |
| **9** | 3 | 001429009 |
| **10** | 3 | 001429010 |
| **11** | 3 | 001429011 |
| **12** | 3 | 001429012 |
| **13** | 3 | 001429013 |
| **14** | 2 | 001429014 |
| **15** | 2 | 001429015 |
| **16** | 2 | 001429016 |
| **17** | 2 | 001429017 |
| **18** | 2 | 001429018 |
| **19** | 2 | 001429019 |
| **21** | 1 | 001429021 |
| **22** | 1 | 001429022 |
| **24** | 1 | 001429024 |

## 192/S2



| | | |
|---|---|---|
| **192/S2**<br>8x10/12x13 mm<br>16x17/18x19 mm | 1 | 001920070 |

## 195K

| mm | | |
|---|---|---|
| **8x10** | 2 | 001959010 |
| **12x13** | 2 | 001959013 |
| **14x15** | 2 | 001959015 |
| **16x18** | 2 | 001959018 |
| **17x19** | 2 | 001959019 |

## 374K

| L<br>mm | | |
|---|---|---|
| **240** | 1 | 003749024 |

## 850MQ

| L<br>mm | | |
|---|---|---|
| **233** | 1 | 008500910 |

## 855P

| L1<br>mm | | |
|---|---|---|
| **240** | 1 | 008550010 |

## 860/58K

| L<br>mm | | |
|---|---|---|
| **126** | 1 | 008609884 |

## 860LP

| SxA<br>mm | | |
|---|---|---|
| **0,5x3** | 5 | 008600005 |
| **0,6x4,5** | 5 | 008600010 |
| **0,8x5,5** | 5 | 008600015 |
| **1x5,5** | 5 | 008600020 |
| **1,2x6,5** | 5 | 008600025 |

## 860PH

| PH | | |
|---|---|---|
| **0** | 5 | 008600220 |
| **1** | 5 | 008600225 |
| **2** | 5 | 008600230 |
| **3** | 5 | 008600245 |
| **4** | 5 | 008600250 |

## 860PZ

| PZ | | |
|---|---|---|
| 1 | 5 | 008600320 |
| 2 | 5 | 008600325 |
| 3 | 5 | 008600330 |
| 4 | 5 | 008600335 |

## 860PE

| mm | | |
|---|---|---|
| 2 | 5 | 008600101 |
| 2,5 | 5 | 008600102 |
| 3 | 5 | 008600103 |
| 4 | 5 | 008600104 |
| 5 | 5 | 008600105 |
| 6 | 5 | 008600106 |
| 8 | 5 | 008600108 |
| 10 | 5 | 008600110 |

## 860TX

| | | |
|---|---|---|
| T6 | 5 | 008600704 |
| T7 | 5 | 008600705 |
| T8 | 5 | 008600710 |
| T9 | 5 | 008600715 |
| T10 | 5 | 008600720 |
| T15 | 5 | 008600725 |
| T20 | 5 | 008600730 |
| T25 | 5 | 008600735 |
| T27 | 5 | 008600740 |
| T30 | 5 | 008600745 |
| T40 | 5 | 008600750 |

## 860RTX

| | | |
|---|---|---|
| T9 | 5 | 008600550 |
| T10 | 5 | 008600555 |
| T15 | 5 | 008600560 |
| T20 | 5 | 008600565 |
| T25 | 5 | 008600570 |
| T27 | 5 | 008600575 |
| T30 | 5 | 008600580 |
| T40 | 5 | 008600585 |

## 860/C27

| | | |
|---|---|---|
| 860/C27 | 1 | 008600880 |

## 860MIX/A10

| | | |
|---|---|---|
| 860MIX/A10 | 1 | 008600900 |

## 860TX/A10

| | | |
|---|---|---|
| 860TX/A10 | 1 | 008600970 |

## 860MIX/A31

| | | |
|---|---|---|
| 860MIX/A31 | 1 | 008600902 |

## 862F/A7

| | | |
|---|---|---|
| 862F/A7 | 1 | 008620950 |

## 900K

| mm | | |
|---|---|---|
| 4 | 10 | 009009040 |
| 4,5 | 10 | 009009045 |
| 5 | 10 | 009009050 |
| 5,5 | 10 | 009009055 |
| 6 | 10 | 009009060 |
| 7 | 10 | 009009070 |
| 8 | 10 | 009009080 |
| 9 | 10 | 009009090 |
| 10 | 10 | 009009100 |
| 11 | 10 | 009009110 |
| 12 | 10 | 009009120 |
| 13 | 10 | 009009130 |
| 14 | 10 | 009009140 |

## 900/20LK

| L mm | | |
|---|---|---|
| 100 | 5 | 009009819 |

## 900/25K

| L mm | | |
|---|---|---|
| 41 | 5 | 009009830 |

## 900BG/30K

| L mm | | |
|---|---|---|
| 128 | 5 | 009009834 |

## 900/55K

| L mm | | |
|---|---|---|
| 125 | 5 | 009009870 |

## 900/55ZK

| L mm | | |
|---|---|---|
| 125 | 3 | 009009882 |

## 900/58K

| L mm | | |
|---|---|---|
| 126 | 2 | 009009884 |

## 910AK

| mm | | |
|---|---|---|
| 6 | 5 | 009109006 |
| 7 | 5 | 009109007 |
| 8 | 5 | 009109008 |
| 9 | 5 | 009109009 |
| 10 | 5 | 009109010 |
| 11 | 5 | 009109011 |
| 12 | 5 | 009109012 |
| 13 | 5 | 009109013 |
| 14 | 5 | 009109014 |
| 15 | 5 | 009109015 |
| 16 | 5 | 009109016 |
| 17 | 5 | 009109017 |
| 18 | 5 | 009109018 |
| 19 | 5 | 009109019 |
| 20 | 5 | 009109020 |
| 21 | 5 | 009109021 |
| 22 | 5 | 009109022 |

## 910/21K

| L mm | | |
|---|---|---|
| 125 | 5 | 009109822 |

## 910/25K

| L mm | | |
|---|---|---|
| 54,6 | 5 | 009109830 |

## 910/55K

| L mm | | |
|---|---|---|
| 200 | 3 | 009109882 |

## 910/58K

| L mm | | |
|---|---|---|
| 222 | 1 | 009109884 |

## 920AK

| mm | | |
|---|---|---|
| 10 | 10 | 009209010 |
| 11 | 10 | 009209011 |
| 12 | 10 | 009209012 |
| 13 | 10 | 009209013 |
| 14 | 10 | 009209014 |
| 15 | 10 | 009209015 |
| 16 | 10 | 009209016 |
| 17 | 10 | 009209017 |
| 18 | 10 | 009209018 |
| 19 | 10 | 009209019 |
| 20 | 5 | 009209020 |
| 21 | 5 | 009209021 |
| 22 | 5 | 009209022 |
| 23 | 5 | 009209023 |
| 24 | 5 | 009209024 |
| 25 | 5 | 009209025 |
| 26 | 5 | 009209026 |
| 27 | 5 | 009209027 |
| 28 | 5 | 009209028 |
| 29 | 5 | 009209029 |
| 30 | 5 | 009209030 |
| 32 | 5 | 009209032 |

## 920/21K

| L mm | | |
|---|---|---|
| 125 | 5 | 009209822 |

## 920/25K

| L mm | | |
|---|---|---|
| 75 | 5 | 009209830 |

## 920/55K

| L mm | | |
|---|---|---|
| 275 | 3 | 009209882 |

## 920/58K

| L mm | | |
|---|---|---|
| 281 | 1 | 009209926 |

## 935K

| mm | | |
|---|---|---|
| 6x7 | 5 | 009359105 |
| 8x9 | 5 | 009359111 |
| 10x11 | 5 | 009359115 |
| 12x13 | 5 | 009359117 |
| 14x15 | 5 | 009359126 |
| 16x17 | 5 | 009359128 |
| 18x19 | 5 | 009359131 |
| 20x22 | 3 | 009359138 |

## 937K

| mm | | |
|---|---|---|
| 6x6 | 5 | 009379006 |
| 7x7 | 5 | 009379007 |
| 8x8 | 5 | 009379008 |
| 9x9 | 5 | 009379009 |
| 10x10 | 5 | 009379010 |
| 11x11 | 5 | 009379011 |
| 12x12 | 5 | 009379012 |
| 13x13 | 5 | 009379013 |
| 14x14 | 5 | 009379014 |
| 15x15 | 5 | 009379015 |
| 16x16 | 5 | 009379016 |
| 17x17 | 5 | 009379017 |
| 18x18 | 5 | 009379018 |
| 19x19 | 5 | 009379019 |
| 20x20 | 5 | 009379020 |
| 21x21 | 3 | 009379021 |
| 22x22 | 3 | 009379022 |

## 943BXK

| mm | | |
|---|---|---|
| 5,5 | 5 | 009439005 |
| 6 | 5 | 009439006 |
| 7 | 5 | 009439007 |
| 8 | 5 | 009439008 |
| 10 | 3 | 009439010 |
| 13 | 3 | 009439013 |

## 951K

| mm | | |
|---|---|---|
| 2 | 5 | 009519521 |
| 2,5 | 5 | 009519525 |
| 3 | 5 | 009519530 |
| 3,5 | 5 | 009519535 |
| 4 | 5 | 009519540 |
| 4,5 | 5 | 009519545 |
| 5 | 5 | 009519550 |
| 6 | 5 | 009519560 |
| 8 | 5 | 009519580 |
| 10 | 5 | 009519610 |

## 1032K

| L mm | | |
|---|---|---|
| 140x0,9 | 5 | 010329013 |
| 140x1,3 | 5 | 010329014 |
| 180 | 5 | 010329017 |

## 1033K

| L mm | | |
|---|---|---|
| 140x0,9 | 5 | 010339013 |
| 140x1,3 | 5 | 010339014 |
| 180 | 5 | 010339017 |

## 1034K

| L mm | | |
|---|---|---|
| 130x0,9 | 5 | 010349013 |
| 130x1,3 | 5 | 010349014 |
| 170 | 5 | 010349017 |

## 1036K

| L mm | | |
|---|---|---|
| 140x0,9 | 5 | 010369013 |
| 140x1,3 | 5 | 010369014 |
| 175 | 5 | 010369017 |

## 1037K

| L mm | | |
|---|---|---|
| 140x0,9 | 5 | 010379013 |
| 140x1,3 | 5 | 010379014 |
| 175 | 5 | 010379017 |

## 1038K

| L mm | | |
|---|---|---|
| 135x0,9 | 5 | 010389013 |
| 135x1,3 | 5 | 010389014 |
| 175 | 5 | 010389017 |

## 1044K

| L mm | | |
|---|---|---|
| 250 | 5 | 010449250 |

## 1044FK

| L mm | | |
|---|---|---|
| 250 | 5 | 010449015 |

## 1046K

| L mm | | |
|---|---|---|
| 240 | 5 | 010469240 |

## 1048K

| L mm | | |
|---|---|---|
| 175 | 3 | 010489010 |
| 250 | 5 | 010489250 |

## 1048VK

| L mm | | |
|---|---|---|
| 175 | 3 | 010489110 |
| 250 | 5 | 010489025 |

## 1052K

| L mm | | |
|---|---|---|
| 140 | 3 | 010529014 |
| 190 | 3 | 010529019 |
| 240 | 3 | 010529024 |

## 1082K

| L mm | | |
|---|---|---|
| 140 | 5 | 010829004 |
| 160 | 5 | 010829006 |

## 1082GK

| L mm | | |
|---|---|---|
| 140 | 5 | 010829064 |
| 160 | 5 | 010829066 |

## 1082BMK

| L mm | | |
|---|---|---|
| 140 | 3 | 010829034 |
| 160 | 3 | 010829036 |

## 1082GBMK

| L mm | | |
|---|---|---|
| 140 | 3 | 010829264 |
| 160 | 3 | 010829266 |

## 1084K

| L mm | | |
|---|---|---|
| 160 | 3 | 010849006 |

## 1084GK

| L mm | | |
|---|---|---|
| 160 | 5 | 010849066 |

## 1084BMK

| L mm | | |
|---|---|---|
| 160 | 3 | 010849036 |

## 1084GBMK

| L mm | | |
|---|---|---|
| 160 | 3 | 010849266 |

## 1088K

| L mm | | |
|---|---|---|
| 160 | 2 | 010889006 |

## 1088BMK

| L mm | | |
|---|---|---|
| 160 | 2 | 010889036 |

## 1096K

| L mm | | |
|---|---|---|
| 200 | 5 | 010969020 |

## 1098K

| L mm | | |
|---|---|---|
| 190 | 5 | 010989190 |
| 220 | 5 | 010989220 |

## 1098PLK

| L mm | | |
|---|---|---|
| 220 | 5 | 010989320 |

## 1112K

| L mm | | |
|---|---|---|
| 200 | 2 | 011129020 |

## 1122K

| L mm | | |
|---|---|---|
| 250 | 2 | 011229020 |

## 1123K

| L mm | | |
|---|---|---|
| 250 | 2 | 011239020 |

## 1124K

| L mm | | |
|---|---|---|
| 250 | 2 | 011249020 |

## 1128BAX

| L mm | | |
|---|---|---|
| 150 | 5 | 011280088 |

## 1128BMX

| L mm | | |
|---|---|---|
| 147 | 5 | 011280051 |

## 1128BSX

| L mm | | |
|---|---|---|
| 148 | 5 | 011280061 |

## 1128FX

| L mm | | |
|---|---|---|
| 145 | 5 | 011280090 |

## 1128FXS

| L mm | | |
|---|---|---|
| 145 | 5 | 011280095 |

## 1129BMK

| L mm | | |
|---|---|---|
| 145 | 5 | 011299000 |

## 1130BMX

| L mm | | |
|---|---|---|
| 185 | 1 | 011300002 |

## 1132K

| L | | |
|---|---|---|
| 170 | 2 | 011329107 |

## 1132BMK

| L | | |
|---|---|---|
| 170 | 2 | 011329137 |

## 1142BMK

| L mm | | |
|---|---|---|
| 160 | 3 | 011429036 |

## 1149F

| L mm | | |
|---|---|---|
| 175 | 1 | 011490010 |

## 1150K

| L mm | | |
|---|---|---|
| 160 | 5 | 011509046 |
| 180 | 5 | 011509048 |
| 200 | 5 | 011509050 |
| 220 | 2 | 011509052 |

## 1150GK

| L mm | | |
|---|---|---|
| 160 | 5 | 011509066 |
| 180 | 5 | 011509068 |
| 200 | 5 | 011509070 |
| 220 | 2 | 011509072 |

## 1150BMK

| L mm | | |
|---|---|---|
| 160 | 3 | 011509146 |
| 180 | 3 | 011509148 |
| 200 | 3 | 011509150 |
| 220 | 2 | 011509152 |

## 1150GBMK

| L mm | | |
|---|---|---|
| 160 | 3 | 011509266 |
| 180 | 3 | 011509268 |
| 200 | 3 | 011509270 |
| 220 | 2 | 011509272 |

## 1162K

| L mm | | |
|---|---|---|
| 160 | 5 | 011629006 |
| 200 | 5 | 011629010 |

## 1162GK

| L mm | | |
|---|---|---|
| 160 | 5 | 011629066 |
| 200 | 5 | 011629070 |

## 1162BMK

| L mm | | |
|---|---|---|
| 160 | 3 | 011629036 |
| 200 | 3 | 011629040 |

## 1162GBMK

| L mm | | |
|---|---|---|
| 160 | 3 | 011629266 |
| 200 | 3 | 011629270 |

## 1164K

| L mm | | |
|---|---|---|
| 160 | 5 | 011649006 |
| 200 | 5 | 011649010 |

## 1164BMK

| L mm | | |
|---|---|---|
| 160 | 3 | 011649036 |
| 200 | 3 | 011649040 |

## 1166K

| L mm | | |
|---|---|---|
| 160 | 5 | 011669006 |
| 200 | 5 | 011669010 |

## 1166GK

| L mm | | |
|---|---|---|
| 160 | 5 | 011669066 |
| 200 | 5 | 011669070 |

## 1166BMK

| L mm | | |
|---|---|---|
| 160 | 3 | 011669036 |
| 200 | 3 | 011669040 |

## 1166GBMK

| L mm | | |
|---|---|---|
| 160 | 3 | 011669266 |
| 200 | 3 | 011669270 |

## 1168K

| L mm | | |
|---|---|---|
| 160 | 5 | 011689006 |
| 200 | 5 | 011689010 |

## 1168GK

| L mm | | |
|---|---|---|
| 160 | 5 | 011689066 |
| 200 | 5 | 011689070 |

## 1168BMK

| L mm | | |
|---|---|---|
| 160 | 3 | 011689036 |
| 200 | 3 | 011689040 |

## 1168GBMK

| L mm | | |
|---|---|---|
| 160 | 3 | 011689266 |
| 200 | 3 | 011689270 |

## 1201E/K

| SxAxL mm | | |
|---|---|---|
| 0,4x2,5x50 | 5 | 012019203 |
| 0,4X2,5x75 | 5 | 012019206 |
| 0,5x3x75 | 5 | 012019209 |
| 0,5x3x100 | 5 | 012019212 |
| 0,6x3,5X75 | 5 | 012019218 |
| 0,6x3,5x100 | 5 | 012019221 |
| 0,8x4x100 | 5 | 012019230 |
| 0,8x4x125 | 5 | 012019233 |
| 0,8x4X150 | 5 | 012019236 |
| 1,0x5,5x100 | 5 | 012019239 |
| 1,0x5,5X125 | 5 | 012019240 |
| 1,0x5,5x150 | 5 | 012019242 |
| 1,2x6,5x100 | 5 | 012019248 |
| 1,2x6,5x125 | 5 | 012019250 |
| 1,2x6,5x150 | 5 | 012019251 |
| 1,2x8x150 | 3 | 012019257 |
| 1,2x8X200 | 3 | 012019260 |
| 1,6x10x200 | 3 | 012019266 |

## 1201EN/K

| SxAxL mm | | |
|---|---|---|
| 0,8x4x30 | 3 | 012019303 |
| 1,2x6,5x30 | 3 | 012019306 |

## 1202E/K

| PHxDxL mm | | |
|---|---|---|
| 0x3x60 | 5 | 012029203 |
| 0x3X100 | 5 | 012029206 |
| 1x4,5x80 | 5 | 012029209 |
| 1x4,5x120 | 5 | 012029212 |
| 2x6x100 | 5 | 012029218 |
| 2x6x150 | 5 | 012029221 |
| 3x8x150 | 3 | 012029224 |
| 4x9,5x200 | 3 | 012029227 |

## 1202EN/K

| PHxDxL mm | | |
|---|---|---|
| 1x4,5x30 | 3 | 012029303 |
| 2x6x30 | 3 | 012029306 |

## 1204E/K

| SxDxL mm | | |
|---|---|---|
| 0,4x2,5x60 | 5 | 012049103 |
| 0,6x3x75 | 5 | 012049106 |
| 0,5x3x100 | 5 | 012049109 |
| 0,8x4x100 | 5 | 012049112 |
| 0,8x4x125 | 5 | 012049115 |
| 1,0x5x125 | 5 | 012049118 |
| 1,0x5x150 | 5 | 012049121 |
| 1,2x6,5x150 | 5 | 012049124 |

## 1207E TX/K

| | | |
|---|---|---|
| T5 | 5 | 012079105 |
| T6 | 5 | 012079106 |
| T7 | 5 | 012079107 |
| T8 | 5 | 012079108 |
| T9 | 5 | 012079109 |
| T10 | 5 | 012079110 |
| T15 | 5 | 012079115 |
| T20 | 5 | 012079120 |
| T25 | 5 | 012079125 |
| T27 | 5 | 012079127 |
| T30 | 5 | 012079130 |
| T40 | 2 | 012079140 |
| T45 | 2 | 012079145 |

## 1208E RTX/K

| | | |
|---|---|---|
| T9 | 5 | 012089109 |
| T10 | 5 | 012089110 |
| T15 | 5 | 012089115 |
| T20 | 5 | 012089120 |
| T25 | 5 | 012089125 |
| T27 | 5 | 012089127 |
| T30 | 5 | 012089130 |
| T40 | 2 | 012089140 |

## 1209E PZ/K

| PZ | | |
|---|---|---|
| 0 | 5 | 012099200 |
| 1 | 5 | 012099203 |
| 2 | 5 | 012099206 |
| 3 | 3 | 012099209 |
| 4 | 3 | 012099212 |

## 1209EN-PZ/K

| | | |
|---|---|---|
| 1 | 3 | 012099303 |
| 2 | 3 | 012099306 |

## 1253

| SxAxL mm | | |
|---|---|---|
| 0,5x3,5x100 | 5 | 012530001 |

## 1254

| SxAxL mm | | |
|---|---|---|
| 0,5x3x44 | 5 | 012540001 |

## 1260K

| SxAxL | | |
|---|---|---|
| 0,4x2,5x50 | 5 | 012609003 |
| 0,4x2,5x75 | 5 | 012609006 |
| 0,5x3x75 | 5 | 012609009 |
| 0,5x3x100 | 5 | 012609012 |
| 0,6x3,5x75 | 5 | 012609018 |
| 0,6x3,5x100 | 5 | 012609021 |
| 0,8x4x100 | 5 | 012609030 |
| 0,8x4x125 | 5 | 012609033 |
| 0,8x4x150 | 5 | 012609036 |
| 1x5,5x100 | 5 | 012609039 |
| 1x5,5x150 | 5 | 012609042 |
| 1,5x6,5x100 | 5 | 012609048 |
| 1,2x6,5x150 | 5 | 012609051 |
| 1,2x8x150 | 3 | 012609057 |
| 1,2x8x200 | 3 | 012609060 |
| 1,6x10x200 | 3 | 012609066 |

## 1260NK

| SxAxL mm | | |
|---|---|---|
| 0,8x4x30 | 5 | 012609103 |
| 1,2x6,5x30 | 5 | 012609106 |

## 1260EK

| SxAxL mm | | |
|---|---|---|
| 1,2x6,5x150 | 3 | 012609156 |
| 1,2x8x175 | 3 | 012609157 |
| 1,6x10x200 | 2 | 012609159 |
| 2x12x250 | 2 | 012609162 |

## 1262K

| PHxDxL mm | | |
|---|---|---|
| 0x3x60 | 5 | 012629003 |
| 0x3x100 | 5 | 012629006 |
| 1x4,5x80 | 5 | 012629009 |
| 1x4,5x120 | 5 | 012629012 |
| 2x6x100 | 5 | 012629018 |
| 2x6x150 | 5 | 012629021 |
| 3x8x150 | 3 | 012629024 |
| 4x10x200 | 3 | 012629027 |

## 1262NK

| PHxDxL | | |
|---|---|---|
| 1x4,5x30 | 5 | 012629103 |
| 2x6x30 | 5 | 012629106 |

## 1262EK

| PHxDxL mm | | |
|---|---|---|
| 2x6x150 | 3 | 012629153 |
| 3x8x175 | 3 | 012629156 |
| 4x10x200 | 3 | 012629159 |

## 1264K

| SxDxL mm | | |
|---|---|---|
| 0,5x2,5x60 | 5 | 012649003 |
| 0,6x3x75 | 5 | 012649006 |
| 0,6x3x100 | 5 | 012649009 |
| 0,8x4x100 | 5 | 012649012 |
| 0,8x4x125 | 5 | 012649015 |
| 1x5x125 | 5 | 012649018 |
| 1x5x150 | 5 | 012649021 |
| 1,2x6,5x150 | 5 | 012649024 |

## 1267TXK

| | | |
|---|---|---|
| T5 | 5 | 012679005 |
| T6 | 5 | 012679006 |
| T7 | 5 | 012679007 |
| T8 | 5 | 012679008 |
| T9 | 5 | 012679009 |
| T10 | 5 | 012679010 |
| T15 | 5 | 012679015 |
| T20 | 5 | 012679020 |
| T25 | 5 | 012679025 |
| T27 | 5 | 012679027 |
| T30 | 5 | 012679030 |
| T40 | 2 | 012679040 |
| T45 | 2 | 012679045 |

## 1268RTXK

| | | |
|---|---|---|
| T9 | 3 | 012689009 |
| T10 | 3 | 012689010 |
| T15 | 3 | 012689015 |
| T20 | 3 | 012689020 |
| T25 | 3 | 012689025 |
| T27 | 3 | 012689027 |
| T30 | 3 | 012689030 |
| T40 | 2 | 012689040 |

## 1269PZK

| PZ | | |
|---|---|---|
| 0 | 5 | 012699000 |
| 1 | 5 | 012699001 |
| 2 | 5 | 012699002 |
| 3 | 3 | 012699003 |
| 4 | 3 | 012699004 |

## 1269N/PZK

| PZ | | |
|---|---|---|
| 1 | 5 | 012699011 |
| 2 | 5 | 012699012 |

## 1290K

| SxAxL mm | | |
|---|---|---|
| 0,4x2,5x50 | 5 | 012909003 |
| 0,4x2,5x75 | 5 | 012909006 |
| 0,5x3x75 | 10 | 012909009 |
| 0,5x3x100 | 10 | 012909012 |
| 0,6x3,5x75 | 10 | 012909018 |
| 0,6x3,5x100 | 10 | 012909021 |
| 0,8x4x100 | 10 | 012909030 |
| 0,8x4x125 | 10 | 012909033 |
| 0,8x4x150 | 10 | 012909036 |
| 1x5,5x100 | 10 | 012909039 |
| 1x5,5x150 | 10 | 012909042 |
| 1,2x6,5x100 | 10 | 012909048 |
| 1,2x6,5x150 | 10 | 012909051 |
| 1,2x8x150 | 3 | 012909057 |
| 1,2x8x200 | 3 | 012909060 |
| 1,6x10x200 | 3 | 012909066 |

## 1290NK

| SxAxL mm | | |
|---|---|---|
| 0,8x4x30 | 5 | 012909103 |
| 1,2x6,5x30 | 5 | 012909106 |

## 1290K/INOX

| SxAxL mm | | |
|---|---|---|
| 0,4x2,5x50 | 4 | 012909403 |
| 0,5x3x75 | 4 | 012909409 |
| 0,8x4x100 | 4 | 012909430 |
| 1,0x5,5x150 | 4 | 012909442 |
| 1,2x6,5x150 | 4 | 012909451 |

## 1292K

| PHxDxL mm | | |
|---|---|---|
| 0x3x60 | 10 | 012929003 |
| 0x3x100 | 5 | 012929006 |
| 1x4,5x80 | 10 | 012929009 |
| 1x4,5x120 | 10 | 012929012 |
| 2x6x100 | 10 | 012929018 |
| 2x6x150 | 10 | 012929021 |
| 3x8x150 | 3 | 012929024 |
| 4x10x200 | 3 | 012929027 |

## 1292NK

| PHxDxL mm | | |
|---|---|---|
| 1x4,5x30 | 5 | 012929103 |
| 2x6x30 | 5 | 012929106 |

## 1292K/INOX

| PHxDxL mm | | |
|---|---|---|
| 0x3x60 | 4 | 012929403 |
| 1x4,5x80 | 4 | 012929409 |
| 2x6x100 | 4 | 012929418 |

## 1294K

| SxDxL mm | | |
|---|---|---|
| 0,5x2,5x60 | 5 | 012949003 |
| 0,6x3x75 | 5 | 012949006 |
| 0,8x4x100 | 5 | 012949012 |
| 1x5x125 | 5 | 012949018 |

## 1298RTXK

| | | |
|---|---|---|
| T9 | 5 | 012989009 |
| T10 | 5 | 012989010 |
| T15 | 5 | 012989015 |
| T20 | 5 | 012989020 |
| T25 | 5 | 012989025 |
| T27 | 5 | 012989027 |
| T30 | 5 | 012989030 |
| T40 | 2 | 012989040 |

## 1299PZK

| PZ | | |
|---|---|---|
| 0 | 5 | 012999000 |
| 1 | 5 | 012999003 |
| 2 | 5 | 012999006 |

## 1299N/PZK

| PZ | | |
|---|---|---|
| 1 | 5 | 012999021 |
| 2 | 5 | 012999024 |

## 1472VW

| L mm | | |
|---|---|---|
| 200 | 1 | 014720051 |

## 1473P

| A Max mm | | |
|---|---|---|
| 53 | 1 | 014730020 |

## 1497RC

| | | |
|---|---|---|
| 1497RC | 1 | 014970351 |

## 1600Q 8

| | | |
|---|---|---|
| 1600Q 8 | 1 | 016000008 |

## 1600Q 10

| | | |
|---|---|---|
| 1600Q 8 | 1 | 016000008 |

## 1603K

| mm2 | | |
|---|---|---|
| 0÷8 | 5 | 016039001 |

## 1603BK

| mm² | | |
|---|---|---|
| 0÷8 | 2 | 016039010 |

## 1691BM

CE

| L m | | |
|---|---|---|
| 5 | 1 | 016910205 |
| 8 | 1 | 016910208 |
| 10 | 1 | 016910210 |

## 1692

CE

| L m | | |
|---|---|---|
| 2 | 5 | 016920052 |
| 3 | 5 | 016920053 |
| 5 | 5 | 016920055 |
| 8 | 5 | 016920058 |

## 1693

CE

IP54

| H mm | | |
|---|---|---|
| 100 | 1 | 016930020 |

## 1729CG

| L mm | | |
|---|---|---|
| 310 | 2 | 017290200 |

## 1729DM 450

| L mm | | |
|---|---|---|
| 450 | 4 | 017290450 |

## 1741U

| Ø mm | 2,4 | 3 | 3,2 | 4 | 4,8 |
|---|---|---|---|---|---|
| Aluminium | • | • | • | • | • |
| Steel | • | • | • | • | |
| Stainless steel | • | • | • | • | |

| | | |
|---|---|---|
| 1741U | 1 | 017410450 |

## 1741B

| Ø mm | 2,4 | 3,2 | 4 | 4,8 | 5 |
|---|---|---|---|---|---|
| Aluminium | • | • | • | • | • |
| Steel | • | • | • | • | • |
| Stainless steel | • | • | • | | |

| | | |
|---|---|---|
| 1741B | 1 | 017410000 |

## 1760K

CE

CAT III-1000V

| | | |
|---|---|---|
| 1760K | 1 | 017600140 |

## 1762K

| Ø mm | | |
|---|---|---|
| 2-2,5-3 3,5-4-4,5 | 2 | 017629001 |

## 1771

| | | |
|---|---|---|
| 1771 | 10 | 017710000 |

## 1770BM

| L mm | | |
|---|---|---|
| 140 | 10 | 017700050 |

## 1771BM

| L mm | | |
|---|---|---|
| 170 | 10 | 017710050 |

## 1771HD

| L mm | | |
|---|---|---|
| 190 | 5 | 017710100 |

## 1772R

| L mm | | |
|---|---|---|
| 125 | 5 | 017720006 |

## 1773A

| L mm | | |
|---|---|---|
| 180 | 10 | 017730000 |

## 1777BMT

NOT AVAILABLE IN THE UK, IRELAND AND USA

| L mm | | |
|---|---|---|
| 170 | 5 | 017770050 |

## 1777T

| L mm | | |
|---|---|---|
| 160 | 5 | 017770030 |

## 1783

| L mm | | |
|---|---|---|
| 215 | 5 | 017830021 |
| 240 | 5 | 017830024 |

## 1820

| | | |
|---|---|---|
| **1820 30**<br>30W<br>L = 210mm | 1 | 018200003 |
| **1820 60**<br>60W<br>L = 220mm | 1 | 018200006 |
| **1820 80**<br>80W<br>L = 260mm | 1 | 018200008 |

## 1822

| | | |
|---|---|---|
| **1822 120**<br>120W<br>LxA = 250x125 mm | 1 | 018220012 |
| **1822 180**<br>180W<br>LxA = 250x125mm | 1 | 018220018 |
| **1822 320**<br>320W<br>LxA = 250x140mm | 1 | 018220032 |

## 1833S

| L mm | | |
|---|---|---|
| 150 | 1 | 018330002 |

## 1833M

| L mm | | |
|---|---|---|
| 162 | 1 | 018330003 |

## 1833L

| L mm | | |
|---|---|---|
| 196 | 1 | 018330004 |

## 1833XL

| L mm | | |
|---|---|---|
| 300 | 1 | 018330005 |

## 1833L/USB

| L mm | | |
|---|---|---|
| 240 | 1 | 018330054 |

## 1834RR

| | | |
|---|---|---|
| 1834RR | 1 | 018340520 |

## 1836A

| | | |
|---|---|---|
| 1836A | 1 | 018360050 |

## 1836B

| | | |
|---|---|---|
| 1836B | 1 | 018360200 |

## 1837F

| L mm | | |
|---|---|---|
| 460 | 1 | 018370050 |

## 1837F/USB

| L mm | | |
|---|---|---|
| 460 | 1 | 018370060 |

## 1838COB

CE IP65

| | | |
|---|---|---|
| 1838COB | 1 | 018380010 |

## 1838P

CE IP65

| | | |
|---|---|---|
| 1838P | 1 | 018380005 |

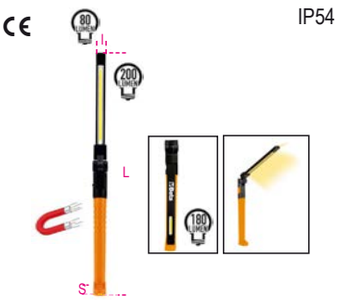
## 1838S

CE IP65

| L mm | | |
|---|---|---|
| 260 | 1 | 018380122 |

## 1838SLIM

CE IP54




| L mm | | |
|---|---|---|
| 307 | 1 | 018380221 |

## 6888B1/4

blister support for 1/4" sockets

| | | |
|---|---|---|
| 6888B1/4 | 50 | 068880900 |

## 6888B3/8

blister support for 3/8" sockets

| | | |
|---|---|---|
| 6888B3/8 | 50 | 068880910 |

## 6888B1/2

blister support for 1/2" sockets

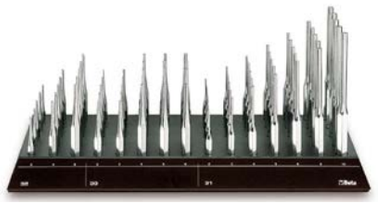
| | | |
|---|---|---|
| 6888B1/2 | 50 | 068880920 |

# DISPLAY **UNITS** FOR SALES POINTS

**BUILD**
**your Beta corner**
www.beta-tools.com/planner3d/

## 38/DS1

wall-mounted display
with 75 punches



495x260x332 mm

| display with assortment | | | | |
|---|---|---|---|---|
| **38/DS1** | | | 1 | 000380701 |

| | | n. |
|---|---|---|
| **30** | Ø 2 - 3 - 4 - 5 - 6 mm | 5 |
| **31** | Ø 2 - 3 - 4 - 5 - 6 - 8 - 10 mm | 5 |
| **32** | Ø 3 - 4 - 5 mm | 5 |

| empty display | | | |
|---|---|---|---|
| **38/DVS1** | 1 | 000380751 |

## 38/DS2

wall-mounted display
with 65 chisels

495x260x332 mm

| display with assortment | | | | |
|---|---|---|---|---|
| **38/DS2** | | | 1 | 000380702 |

| | | n. |
|---|---|---|
| **34** | 125 - 150 - 175 mm | 5 |
| **35** | 100 - 125 - 150 - 200 - 250 - 300 mm | 5 |
| **36** | 125 - 150 mm | 5 |
| **37** | 150 - 200 mm | 5 |

| empty display | | | |
|---|---|---|---|
| **38/DVS2** | 1 | 000380752 |

## 942BX/DG

wall-mounted display
with 43 hi-torque hexagon nut spinners, short series

330x260x332 mm

display with assortment **942BX/DG** — 1 — 009420701

| | | n. |
|---|---|---|
| **942BX** | 5 - 5,5 mm | 3 |
| | 6 - 7 mm | 6 |
| | 8 - 9 - 10 mm | 5 |
| | 11 mm | 2 |
| | 12 mm | 3 |
| | 13 mm | 5 |

empty display **942BX/DVG** — 1 — 009420751

## 944BX/DG

wall-mounted display with 43 deep hi-torque hexagon nut spinners with handles, long series

330x260x332 mm

display with assortment **944BX/DG** — 1 — 009440701

| | | n. |
|---|---|---|
| **944BX** | 5 - 5,5 mm | 3 |
| | 6 - 7 mm | 6 |
| | 8 - 9 - 10 mm | 5 |
| | 11 mm | 2 |
| | 12 mm | 3 |
| | 13 mm | 5 |

empty display **943BX/DVG** — 1 — 009430751

## 1203/E1P

wall-mounted display with 82 screwdrivers

495x260x310 mm

display with assortment **1203E/E1P** — 1 — 012031301

| | | n. |
|---|---|---|
| **1201** | 0,4x2,5x50 - 0,5x3x75 - 0,6x3,5x100 0,8x4x100 - 0,8x4x125 mm | 7 |
| | 1,0x5,5x100 - 1,0x5,5x150 - 1,2x6,5x150 mm | 6 |
| | 1,2x8x150 mm | 5 |
| **1202** | PH0x3x60 mm | 7 |
| | PH1x4,5x80 - PH2x6x100 mm | 6 |
| | PH3x8x150 mm | 5 |

empty display **1203E/EV1P** — 1 — 012031351

## 943BX/DG

wall-mounted display
with 43 hi-torque hexagon nut spinners, long series

330x260x332 mm

display with assortment **943BX/DG** — 1 — 009430701

| | | n. |
|---|---|---|
| **943BX** | 5 - 5,5 mm | 3 |
| | 6 - 7 mm | 6 |
| | 8 - 9 - 10 mm | 5 |
| | 11 mm | 2 |
| | 12 mm | 3 |
| | 13 mm | 5 |

empty display **943BX/DVG** — 1 — 009430751

## 943MQ/BG

wall-mounted display
with 30 hexagon nut spinners

**1000 V**

330x260x332 mm

display with assortment **943MQ/BG** — 1 — 009430281

| | | n. |
|---|---|---|
| **943MQ** | 5,5 - 6 - 7 - 8 - 10 - 13 mm | 5 |

empty display **943BG-MQ/DV** — 1 — 009430285

## 1203/E4P

wall-mounted display with 85 screwdrivers

495x260x310 mm

display with assortment **1203E/E4P** — 1 — 012031304

| | | n. |
|---|---|---|
| **1201** | 0,4x2,5x50 - 0,5x3x75 - 0,8x4x125 mm | 7 |
| | 1,0x5,5x100 - 1,0x5,5x150 - 1,2x6,5x150 mm | 6 |
| **1204** | 0,4x2,5x60 - 0,5x3x100 - 0,8x4x100 mm | 7 |
| | 1,0x5x125 mm | 6 |
| **1209PZ** | PZ0x3x60 mm | 7 |
| | PZ1x4,5x80 - PZ2x6x100 mm | 6 |

empty display **1203E/EV4P** — 1 — 012031354

## 1203/E5P

wall-mounted display with 82 screwdrivers

495x260x310 mm

| display with assortment | | | |
|---|---|---|---|
| **1203E/E5P** | | 1 | 012031305 |

| | | n. |
|---|---|---|
| **1202** | PH0x3x60 mm | 7 |
| | PH1x4,5x80 - PH1x4,5x120<br>PH2x6x100 - PH2x6x150 mm | 6 |
| | PH3x8x150 mm | 5 |
| **1204** | 0,4x2,5x60 - 0,5x3x100 - 0,8x4x100 mm | 7 |
| | 1,0x5x125 mm | 6 |
| **1209PZ** | PZ0x3x60 mm | 7 |
| | PZ1x4,5x80 - PZ2x6x100 mm | 6 |

| empty display | | | |
|---|---|---|---|
| **1203E/EV5P** | | 1 | 012031355 |

## 1263/E78

wall-mounted display with 78 screwdrivers

495x260x310 mm

| display with assortment | | | |
|---|---|---|---|
| **1263/E78** | | 1 | 012630510 |

| | | n. |
|---|---|---|
| **1260** | 2,5x75-3x75-3,5x100 mm | 7 |
| | 4x100-4x125-5,5x100-5,5x150-6,5x150 mm | 6 |
| | 8x150 mm | 4 |
| **1262** | PH0x60 mm | 7 |
| | PH1x80-PH2x100 mm | 6 |
| | PH3x150 | 4 |

| empty display | | | |
|---|---|---|---|
| **1263/EV78** | | 1 | 012630511 |

## 1263/E85

wall-mounted display with 85 screwdrivers

495x260x377 mm

| display with assortment | | | |
|---|---|---|---|
| **1263/E85** | | 1 | 012630550 |

| | | n. |
|---|---|---|
| **1260** | 2,5x50 mm | 7 |
| | 2,5x75 mm | 6 |
| | 3x75 - 3x100 - 3,5x100 mm | 7 |
| | 4x100 - 4x125 - 5,5x125<br>5,5x150 - 6,5x150 mm | 6 |
| | 8x150 mm | 4 |
| **1260E** | 10x200 mm | 3 |
| | 12x250 mm | 2 |
| | 4x30 - 6,5x30 mm | 6 |

| empty display | | | |
|---|---|---|---|
| **1263/EV85** | | 1 | 012630551 |

## 1203/E10P

wall-mounted display with 80 screwdrivers

495x260x310 mm

| display with assortment | | | |
|---|---|---|---|
| **1203E/E10P** | | 1 | 012031310 |

| | | n. |
|---|---|---|
| **1207TX** | T6 | 4 |
| | T7 | 3 |
| | T8 | 7 |
| | T9 - T10 - T15 - T20 - T25 | 6 |
| | T27 - T30 | 3 |
| **1208RTX** | T9 - T10 | 3 |
| | T15 - T20 - T25 | 6 |
| | T27 - T30 | 3 |

| empty display | | | |
|---|---|---|---|
| **1203E/EV10P** | | 1 | 012031360 |

## 1263/E74

wall-mounted display with 74 screwdrivers

495x260x310 mm

| display with assortment | | | |
|---|---|---|---|
| **1263/E74** | | 1 | 012630540 |

| | | n. |
|---|---|---|
| **1264** | 2,5x60 mm | 7 |
| | 3x75 mm | 3 |
| | 3x100 - 4x100 mm | 4 |
| | 4x125 - 5x150 mm | 2 |
| | 5x125 - 6,5x150 mm | 4 |
| **1262** | PH 8x150 | 3 |
| | PH 3x60 - 3x100 mm | 7 |
| | PH 4,5x80 - 4,5x120 mm | 6 |
| | PH 6x100 mm | 10 |
| | PH 6x150 mm | 5 |

| empty display | | | |
|---|---|---|---|
| **1263/EV74** | | 1 | 012630541 |

## 1263/E70

wall-mounted display with 70 screwdrivers

495x260x327 mm

| display with assortment | | | |
|---|---|---|---|
| **1263/E70** | | 1 | 012630560 |

| | | n. |
|---|---|---|
| **1262** | PH0x60 - PH0x100 mm | 7 |
| | PH1x80 - PH1x120 mm | 6 |
| | PH2x100 mm | 9 |
| | PH2x150 - PH3x150 mm | 5 |
| | PH4x200 mm | 4 |
| **1262E** | PH2x150 mm | 5 |
| | PH3x175 mm | 4 |
| **1262N** | PH1x30 - PH2x30 mm | 6 |

| empty display | | | |
|---|---|---|---|
| **1263/EV70** | | 1 | 012630561 |

## 1263/E50

wall-mounted display
with 50 screwdrivers

330x260x269 mm

display
with assortment **1263/E50** — 1 — 012630570

| | | n. |
|---|---|---|
| **1264** | 2,5x60 - 3x75 - 3x100 mm | 7 |
| | 4x100 - 4x125 - 5x125 - 5x150 mm | 6 |
| | 6,5x150 mm | 5 |

empty
display **1263/EV50** — 1 — 012630571

## 1263/E39

wall-mounted display
with 39 screwdrivers

330x260x257 mm

display
with assortment **1263/E39** — 1 — 012630595

| | | n. |
|---|---|---|
| **1268RTX** | T9x60 - T10x80 - T15x80 T20x100 - T25x100 mm | 6 |
| | T27x115 mm | 4 |
| | T30x115 mm | 3 |
| | T40x130 mm | 2 |

empty
display **1263/EV39** — 1 — 012630596

## 1273MQ/E1

wall-mounted display with 40 screwdrivers

**1000 V** 330x260x332 mm

display
with assortment **1273MQ/E1** — 1 — 012730312

| | | n. |
|---|---|---|
| **1272MQ** | PH0x60 - PH1x80 mm | 5 |
| | PH2x100 mm | 3 |
| | PH3x150 mm | 2 |
| **1274MQ** | 3x100 - 4x100 - 5,5x125 - 6,5x150 mm | 5 |
| | 8x175 mm | 3 |
| | 10x200 mm | 2 |

empty
display **1273BG-MQ/DV** — 1 — 012730651

## 1263/E62

wall-mounted display
with 62 screwdrivers

495x260x257 mm

display
with assortment **1263/E62** — 1 — 012630590

| | | n. |
|---|---|---|
| **1267TX** | T5 | 5 |
| | T6 | 6 |
| | T7 | 5 |
| | T8 | 6 |
| | T9 | 5 |
| | T10 - T15 - T20 | 6 |
| | T25 | 5 |
| | T27 - T30 | 4 |
| | T40 - T45 | 2 |

empty
display **1263/EV62** — 1 — 012630591

## 1263/E40

wall-mounted display
with 40 screwdrivers

330x260x327 mm

display
with assortment **1263/E40** — 1 — 012630580

| | | n. |
|---|---|---|
| **1269** | PZ0x60 mm | 7 |
| | PZ1x80 mm | 6 |
| | PZ2x100 - PZ3x150 - PZ4x200 mm | 5 |
| **1269N** | PZ1x30 - PZ2x30 mm | 6 |

empty
display **1263/EV40** — 1 — 012630581

## 1273MQ/E4

wall-mounted display
with 43 screwdrivers

**1000 V** 330x260x332 mm

display
with assortment **1273MQ/E4** — 1 — 012730315

| | | n. |
|---|---|---|
| **1272MQF** | 4,5x80 - 6x100 mm | 3 |
| **1274MQF** | 3,5x100 - 4,5x100 - 5,5x125 - 6,5x150 mm | 3 |
| **1275MQ/C** | 4,5x80 - 6x100 mm | 5 |
| **1276MQ/C** | 4,5x80 - 6x100 mm | 5 |
| **1279MQ/F** | 4,5x80 mm | 3 |
| | 6x100 mm | 2 |

empty
display **1273BG-MQ/DV4** — 1 — 012730655

## 1293BX/DA

wall-mounted display with 90 screwdrivers

495x260x332 mm

display with assortment **1293BX/DA** — 1 — 012930701

| | | n. |
|---|---|---|
| **1290** | 3x75 - 3,5x100 - 4x100 - 4x125 5,5x100 - 5,5x150 mm | 7 |
| | 6,5x150 mm | 6 |
| | 8x150 mm | 3 |
| | 10x200 mm | 2 |
| **1290N** | 4x30 - 6,5x30 mm | 3 |
| **1292** | PH0x60 - PH1x80 mm | 7 |
| | PH2x100 mm | 6 |
| | PH3x150 mm | 5 |
| **1292N** | PH1x30 - PH2x30 mm | 3 |

empty display **1293BX/DVA** — 1 — 012930751

## 1293BX/DE

wall-mounted display with 42 screwdrivers

330x260x332 mm

display with assortment **1293BX/DE** — 1 — 012930705

| | | n. |
|---|---|---|
| **1299PZ** | PZ0x60 - PZ1x80 mm | 7 |
| | PZ2x100 mm | 6 |
| | PZ3x150 - PZ4x200 mm | 5 |
| **1299N/PZ** | PZ1x30 - PZ2x30 mm | 6 |

empty display **1293BX/DVE** — 1 — 012930755

## 1293BX/DD

wall-mounted display with 48 screwdrivers

330x260x332 mm

display with assortment **1293BX/DD** — 1 — 012930704

| | | n. |
|---|---|---|
| **1294** | 2,5x60 - 3x75 - 3x100 - 4x100 4x150 - 5x125 mm | 7 |
| | 6,5x150 mm | 6 |

empty display **1293BX/DVD** — 1 — 012930754

## 1293BX/DF

wall-mounted display with 59 screwdrivers

330x260x332 mm

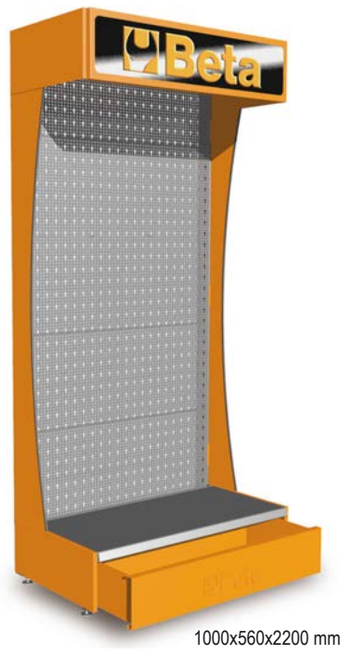
display with assortment **1293BX/DF** — 1 — 012930706

| | | n. |
|---|---|---|
| **1297TX** | T6 - T8 - T10 - T15 - T20 - T25 | 7 |
| | T27 - T30 | 6 |
| | T40 | 5 |

empty display **1293BX/DVF** — 1 — 012930756

## C68

Beta wall display, empty



1000x560x2200 mm

| | | | |
|---|---|---|---|
| **C68/1** | 1 m | 1 | 068000001 |
| **C68/2** | 2 m | 1 | 068000002 |
| **C68/3** | 3 m | 1 | 068000003 |
| **C68/4** | 4 m | 1 | 068000004 |
| **C68/5** | 5 m | 1 | 068000005 |
| **C68/6** | 6 m | 1 | 068000006 |
| **C68/7** | 7 m | 1 | 068000007 |
| **C68/8** | 8 m | 1 | 068000008 |
| **C68/9** | 9 m | 1 | 068000009 |
| **C68/10** | 10 m | 1 | 068000010 |

## C68 G

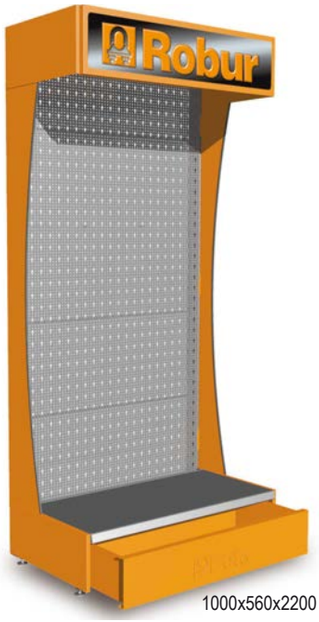
"gondola" display

1000x1120x1600 mm

| | | | |
|---|---|---|---|
| **C68G/1** | 1 m | 1 | 068000051 |
| **C68G/2** | 2 m | 1 | 068000052 |
| **C68G/3** | 3 m | 1 | 068000053 |
| **C68G/4** | 4 m | 1 | 068000054 |

## C88 R/1

Robur wall display, empty




1000x560x2200 mm

| | | | |
|---|---|---|---|
| **C88R/1** | 1 m | 1 | 088000001 |

## C88VE

display tray for display walls C88

**suitable for housing coils of chains item 8120**

| | | |
|---|---|---|
| **C88VE** | 1 | 088000120 |

## C88SE

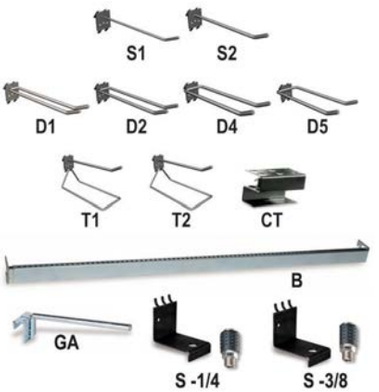
display tray for Genovese chain reels

| | | |
|---|---|---|
| **C88SE** | 1 | 088000130 |

1700x600x600 mm

## 6888

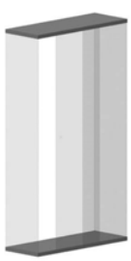
hooks for displays C60 - C61 - C68 - C88




| | | |
|---|---|---|
| **6888S1** | 10 | 068880011 |
| **6888S2** | 10 | 068880012 |
| **6888D1** | 5 | 068880021 |
| **6888D2** | 5 | 068880022 |
| **6888D4** | 5 | 068880024 |
| **6888D5** | 5 | 068880025 |
| **6888T1** | 5 | 068880031 |
| **6888T2** | 5 | 068880032 |
| **6888CT** | 1 | 068880044 |
| **6888B** | 1 | 068880100 |
| **6888GA** | 3 | 068880120 |
| **6888S-1/4** | 1 | 068880605 |
| **6888S-3/8** | 1 | 068880610 |

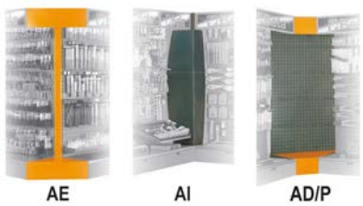
## 6800 VE

showcase for wall displays C68 and C68 R/1



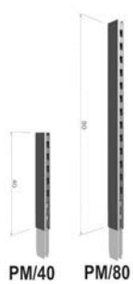
| | | | |
|---|---|---|---|
| **6800VE/1** | 1 m | 1 | 068000401 |
| **6800VE/2** | 2 m | 1 | 068000402 |
| **6800VE/3** | 3 m | 1 | 068000403 |
| **6800VE/4** | 4 m | 1 | 068000404 |
| **6800VE/5** | 5 m | 1 | 068000405 |

## ACCESSORIES




| | | |
|---|---|---|
| **6800AE** | 1 | 068000145 |
| **6800AI** | 1 | 068000140 |
| **6800AD/P** | 1 | 068000143 |

| | | |
|---|---|---|
| **6800CB/100** | 1 | 068000104 |
| **6800FB/100** | 1 | 068000109 |
| **6800FO/100** | 1 | 068000108 |
| **6800PL** | 1 | 068000137 |
| **6800RP/100** | 1 | 068000150 |
| **6800GR/37** | 1 | 068000159 |




| | | |
|---|---|---|
| **6800PM/40** | 1 | 068000171 |
| **6800PM/80** | 1 | 068000172 |

## 6600 M/14
assortment of 154 tools,
with hooks without panel

6600 M/14 — 1 — 066000014

## 6600 M/33
assortment of 37 tools, with hooks without panel

6600 M/33 — 1 — 066000033

## 6600 M/47
assortment of 65 tools,
with hooks without panel

6600 M/47 — 1 — 066000047

## 6600 M/22
assortment of 108 tools,
with hooks without panel

6600 M/22 — 1 — 066000022

## 6600 M/40
assortment of 100 tools,
with hooks without panel

6600 M/40 — 1 — 066000040

## 6600 M/51
assortment of 257 tools
with hooks without panel

6600 M/51 — 1 — 066000051

## 6600 M/27
assortment of 25 tools,
with hooks without panel

6600 M/27 — 1 — 066000027

## 6600 M/42
assortment of 65 tools,
with hooks without panel

6600 M/42 — 1 — 066000042

## 6600 M/52
assortment of 176 tools
with hooks without panel

6600 M/52 — 1 — 066000052

## 6600 M/29
assortment of 173 tools,
with hooks without panel

6600 M/29 — 1 — 066000029

## 6600 M/44
assortment of 48 tools,
with hooks without panel

6600 M/44 — 1 — 066000044

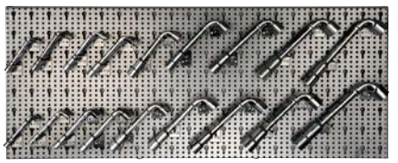
## 6600 M/58
assortment of 150 tools
with hooks without panel

6600 M/58 — 1 — 066000058

## 6600 M/59
assortment of 220 tools,
with hooks without panel

| 6600 M/59 | 1 | 066000059 |
|---|---|---|

## 6600 M/73
assortment of 68 tools
with hooks without panel

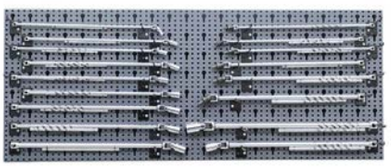


| 6600 M/73 | 1 | 066000073 |
|---|---|---|

## 6600 M/125
assortment of 133 tools,
with hooks without panel

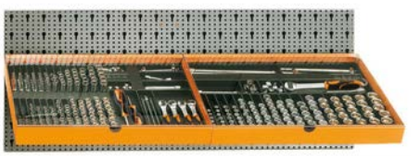
| 6600 M/125 | 1 | 066000125 |
|---|---|---|

## 6600 M/61
assortment of 71 tools,
with hooks without panel



| 6600 M/61 | 1 | 066000061 |
|---|---|---|

## 6600 M/112
assortment of 329 tools,
with hooks without panel

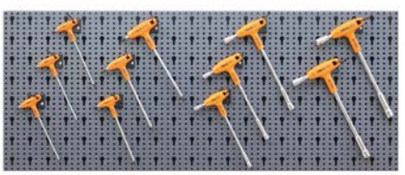


| 6600 M/112 | 1 | 066000112 |
|---|---|---|

## 6600 M/126
assortment of 58 tools,
with hooks without panel

| 6600 M/126 | 1 | 066000126 |
|---|---|---|

## 6600 M/62
assortment of 28 tools,
with hooks without panel



| 6600 M/62 | 1 | 066000062 |
|---|---|---|

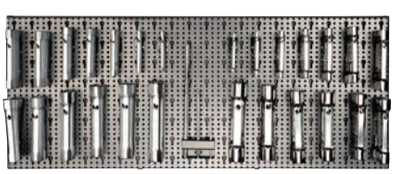
## 6600 M/116
assortment of 306 tools,
with hooks without panel

| 6600 M/116 | 1 | 066000116 |
|---|---|---|

## 6600 M/131
assortment of 92 tools,
with hooks without panel

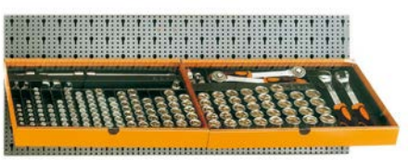
| 6600 M/131 | 1 | 066000131 |
|---|---|---|

## 6600 M/63
assortment of 110 tools
with hooks without panel



| 6600 M/63 | 1 | 066000063 |
|---|---|---|

## 6600 M/120
assortment of 163 tools,
with hooks without panel



| 6600 M/120 | 1 | 066000120 |
|---|---|---|

## 6600 M/174
assortment of 13 tools, with hooks without panel

| 6600 M/174 | 1 | 066000174 |
|---|---|---|

## 6600 M/175
assortment of 12 tools,
with hooks without panel

6600 M/175 — 1 — 066000175

## 6600 M/223
assortment of 58 tools,
with hooks without panel

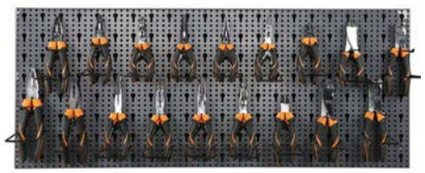
INDUSTRIAL FINISHING

6600 M/223 — 1 — 066000223

## 6600 M/242
assortment of 91 tools,
with hooks without panel

6600 M/242 — 1 — 066000242

## 6600 M/217
assortment of 74 tools,
with hooks without panel



6600 M/217 — 1 — 066000217

## 6600 M/230
assortment of 78 tools,
with hooks without panel

6600 M/230 — 1 — 066000230

## 6600 M/253
assortment of 60 tools,
with hooks without panel

6600 M/253 — 1 — 066000253

## 6600 M/218
assortment of 58 tools,
with hooks without panel

INDUSTRIAL FINISHING

6600 M/218 — 1 — 066000218

## 6600 M/236
assortment of 31 tools,
with hooks without panel

6600 M/236 — 1 — 066000236

## 6600 M/311
assortment of 114 tools,
with hooks without panel

6600 M/311 — 1 — 066000311

## 6600 M/222
assortment of 74 tools,
with hooks without panel

6600 M/222 — 1 — 066000222

## 6600 M/241
assortment of 43 tools,
with hooks without panel

6600 M/241 — 1 — 066000241

## 6600 M/315
assortment of 149 tools,
with hooks without panel

6600 M/315 — 1 — 066000315

## 6600 M/320
assortment of 98 tools,
with hooks without panel

6600 M/320 — 1 — 066000320

## 6600 M/371
assortment of 162 tools,
with hooks without panel

6600 M/371 — 1 — 066000371

## 6600 M/423
assortment of 30 tools, with hooks without panel

6600 M/423 — 1 — 066000423

## 6600 M/326
assortment of 155 tools,
with hooks without panel

6600 M/326 — 1 — 066000326

## 6600 M/380
assortment of 71 tools,
with hooks without panel

6600 M/380 — 1 — 066000380

## 6600 M/424
assortment of 36 tools, with hooks without panel

6600 M/424 — 1 — 066000424

## 6600 M/327
assortment of 101 tools,
with hooks without panel

6600 M/327 — 1 — 066000327

## 6600 M/406
assortment of 107 tools,
with hooks without panel

6600 M/406 — 1 — 066000406

## 6600 M/427
assortment of 24 tools,
with hooks without panel

6600 M/427 — 1 — 066000427

## 6600 M/330
assortment of 110 tools,
with hooks without panel

6600 M/330 — 1 — 066000330

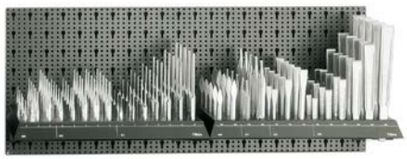
## 6600 M/417
assortment of 43 tools,
with hooks without panel

6600 M/417 — 1 — 066000417

## 6600 M/430
assortment of 29 tools,
with hooks without panel

6600 M/430 — 1 — 066000430

## 6600 M/440
assortment of 140 tools,
with hooks without panel



6600 M/440 — 1 — 066000440

## 6600 M/485
assortment of 12 tools,
with hooks without panel

6600 M/485 — 1 — 066000485

## 6600 M/542
assortment of 53 tools,
with hooks without panel

6600 M/542 — 1 — 066000542

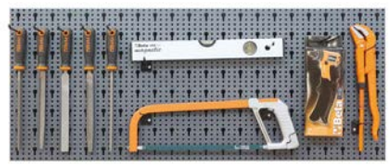
## 6600 M/456
assortment of 41 tools,
with hooks without panel

6600 M/456 — 1 — 066000456

## 6600 M/510
assortment of 16 tools,
with hooks without panel

6600 M/510 — 1 — 066000510

## 6600 M/548
assortment of 37 tools,
with hooks without panel



6600 M/548 — 1 — 066000548

## 6600 M/465
assortment of 36 tools, with hooks without panel

6600 M/465 — 1 — 066000465

## 6600 M/532
assortment of 24 tools
with hooks without panel

6600 M/532 — 1 — 066000532

## 6600 M/561
assortment of 60 tools,
with hooks without panel

6600 M/561 — 1 — 066000561

## 6600 M/480
assortment of 18 tools,
with hooks without panel

6600 M/480 — 1 — 066000480

## 6600 M/534
assortment of 51 tools,
with hooks without panel

6600 M/534 — 1 — 066000534

## 6600 M/583
assortment of 22 tools
with hooks without panel

6600 M/583 — 1 — 066000583

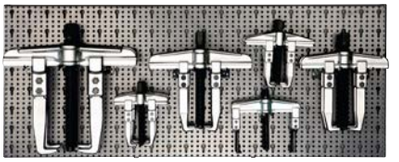
## 6600 M/643

assortment of 90 tools,
with hooks without panel

6600 M/643 — 1 — 066000643

## 6600 M/658

assortment of 14 tools
with hooks without panel



6600 M/658 — 1 — 066000658

## 6600 M/852

assortment of 560 hard abrasive discs,
with hooks without panel

6600 M/852 — 1 — 066000852

## 6600 M/650

assortment of 28 tools,
with hooks without panel

6600 M/650 — 1 — 066000650

## 6600 M/716

assortment of 64 tools,
with hooks without panel

6600 M/716 — 1 — 066000716

## 6600 M/856

assortment of 560 hard abrasive discs,
with hooks without panel

6600 M/856 — 1 — 066000856

## 6600 M/657

assortment of 17 tools,
with hooks without panel

6600 M/657 — 1 — 066000657

## 6600 M/813

assortment of 25 tools, with hooks without panel

6600 M/813 — 1 — 066000813

## 6600 M/857

assortment of 560 hard abrasive discs,
with hooks without panel

6600 M/857 — 1 — 066000857

## 6600 M/842

assortment of 36 tools, with hooks without panel

6600 M/842 — 1 — 066000842

## 6600 M/871

assortment of 120 abrasives
with hooks without panel

6600 M/871 — 1 — 066000871

## 6600 M/878
assortment of 100 abrasives
with hooks without panel

| | | |
|---|---|---|
| 6600 M/878 | 1 | 066000878 |

## 6600 M/881
assortment of 410 abrasives
with display tray

| | | |
|---|---|---|
| 6600 M/881 | 1 | 066000881 |

Robur

## 8600 R/11
assortment of 374 wire rope accessories, with hooks without panel

| | | |
|---|---|---|
| 8600 R/11 | 1 | 086000011 |

## 8600 R/12
assortment of 259 wire rope accessories,
with hooks without panel

| | | |
|---|---|---|
| 8600 R/12 | 1 | 086000012 |

## 8600 R/13
assortment of 230 wire rope accessories,
with hooks without panel

| | | |
|---|---|---|
| 8600 R/13 | 1 | 086000013 |

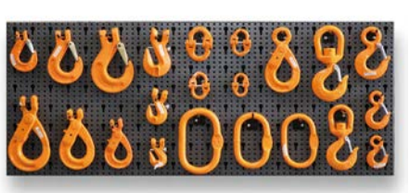
## 8600 R/113
assortment of 1862 wire rope accessories,
with hooks without panel

| | | |
|---|---|---|
| 8600 R/113 | 1 | 086000113 |

## 8600 R/114
assortment of 1045 wire rope accessories,
with hooks without panel

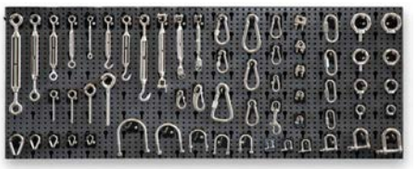
| | | |
|---|---|---|
| 8600 R/114 | 1 | 086000114 |

## 8600 R/225
assortment of 64 GRADE 8 accessories,
with hooks without panel



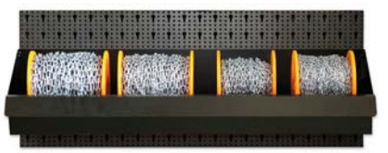
| | | |
|---|---|---|
| 8600 R/225 | 1 | 086000225 |

## 8600 R/412
assortment of 348 STAINLESS STEEL wire
rope accessories,
with hooks without panel



| | | |
|---|---|---|
| 8600 R/412 | 1 | 086000412 |

## 8600 R/511
assortment of 11 Genovese chain reels,
with display tray



| | | |
|---|---|---|
| 8600 R/511 | 1 | 086000511 |

## 8600 R/601
assortment of 50 tie down ratchets
with grids, shelf and hooks,
without panel

| | | |
|---|---|---|
| 8600 R/601 | 1 | 086000601 |
| C88/R601 | 1 | 088000160 |

## 8600 R/611
assortment of 52 webslings
with grids, without panel

| | | |
|---|---|---|
| 8600 R/611 | 1 | 086000611 |
| C88/R611 | 1 | 088000161 |

# SAFETY FOOTWEAR

## STANDARDS AND CLASSES

### WARNINGS

Before use make, sure that the footwear meets your use requirements and has a proper protection class, according to type and workplace.
The footwear manufactured by Beta Utensili complies with current EUROPEAN STANDARDS.
The employer shall ensure that suitable personal protective equipment is provided to the employees who may be exposed to a risk (characteristics and category of PPE).

### EUROPEAN STANDARDS AND MEANINGS

**COMPLIANCE WITH EN ISO 20344:2011**
This standard specifies the test methods for footwear designed as PPE.

**COMPLIANCE WITH EN ISO 20345:2011**
This standard specifies basic and additional (optional) requirements for Safety Footwear for general purpose.
Footwear according to EN ISO 20345:2011 is marked “S” (= Safety), with toe caps resistant to an impact of 200 Joules.

**COMPLIANCE WITH EN ISO 20346:2014**
This standard specifies basic and additional (optional) requirements for Protective Footwear. Footwear according to EN ISO 20346:2011 is marked “P” (=Protective), with toe caps resistant to an impact of 100 Joules.

**COMPLIANCE WITH EN ISO 20347:2012**
This standard specifies basic and additional (optional) requirements for occupational footwear that is not exposed to any mechanical risks (impact or compression). Footwear according to EN ISO 20347:2012 is marked “O” (= Occupational). It shares quite the same characteristics as the above footwear, although neither toe caps nor penetration-proof insoles are required.

As well as the basic requirements under EN ISO 20345:2011, footwear may also meet some additional requirements, which must be identified with symbols or classes and stated on the label applied to the tongue of the footwear.

### CONFORMITY MARKING OF FOOTWEAR

- Mark: CE
- Footwear size: 42
- Name and address of manufacturer: Beta Utensili S.p.A. Via Volta, 18 20845 Sovico (MB) – Italy
- Date of production (month/year): 01/20
- Reference to international standard: EN ISO 20345:2011
- Protection class: S3

### CLASSIFICATION

**I** = Footwear made from leather and other materials, excluding rubber or polymeric footwear
**II** = All-rubber or all-polymeric footwear (boots)

### CLASS AND REQUIREMENTS

**SB (I) Basic requirements**
- Toe cap resistant to an **impact** of 200 Joules
- Outsole **slip** resistance (SRA and/or SRB)
- Minimum upper **height**
- One additional footwear requirement

**S1 (I) Basic requirements plus:**
- Closed **seat** region
- **Antistatic** properties (A)
- **Energy absorption** of seat region (E)

**S2 (I) S1 requirements plus:**
- Water penetration and **water absorption** resistant upper (**WRU**)

**S3 (I) S2 requirements plus:**
- **Penetration** resistance (**P**)
- **Cleated** outsole

**S4 (II) SB requirements plus:**
- **Antistatic** properties (**A**)
- **Energy absorption** of seat region (**E**)

**S5 (II) S4 requirements plus:**
- **Penetration** resistance (**P**)
- **Cleated** outsole

**SHELF LIFE**
Due to several factors (storage humidity and modification of the structure of materials over time), the shelf life of footwear cannot be determined with certainty. Generally speaking, footwear with outsoles made entirely from polyurethane or with polyurethane bottoms are expected to have a shelf life of three years; whereas the other types of footwear are expected to have a shelf life of five years. Such shelf lives are applicable to new, packed footwear stored under controlled conditions – that is, avoiding sudden changes in temperature and relative humidity.

# BASIC REQUIREMENTS + ADDITIONAL REQUIREMENTS FOR FOOTWEAR

| PROTECTION CLASS | | EN ISO 20345:2011 | | | | EN ISO 20347:2012 | | | | EN ISO 20345:2011 | | EN ISO 20347:2012 | | MINIMUM REQUIRED VALUES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SB | S1 | S2 | S3 | 0B | 01 | 02 | 03 | S4 | S5 | 04 | 05 | |
| | Closed seat region | O | X | X | X | O | X | X | X | X | X | X | X | |
| | Toe cap resistant to an impact of 200 Joules | X | X | X | X | – | – | – | – | X | X | – | – | |
| **A** | Antistatic footwear | O | X | X | X | O | X | X | X | X | X | X | X | Electrical resistance >100 kΩ, ≤1000 MΩ |
| **E** | Energy absorption of seat region | O | X | X | X | O | X | X | X | X | X | X | X | > 20 Joules |
| **WRU** | Water penetration and resistance of upper | O | – | X | X | O | – | X | X | – | – | – | – | Penetration: <0.2 g x 60 min<br>Absorption: < 30% x 60 min. |
| **P** | Penetration resistance of outsole | O | O | – | X | O | O | – | X | O | X | O | X | > 1100 N |
| **CI** | Cold insulation | O | O | O | O | O | O | O | O | O | O | O | O | Temp. decrease of inner surface of sole: < 10° C |
| **HI** | Heat insulation | O | O | O | O | O | O | O | O | O | O | O | O | Temp. increase of inner surface of sole: < 22° C |
| **C** | Conductive footwear | O | – | – | – | O | – | – | – | – | – | – | – | < 100 kΩ |
| **HRO** | Heat resistance of outsole | O | O | O | O | O | O | O | O | O | O | O | O | Resistant up to 300° |
| **AN** | Ankle protection | O | O | O | O | O | O | O | O | O | O | O | O | Mean value <10 kN; Individual values <15 kN |
| **I** | Electrically insulating footwear | O | – | – | – | O | – | – | – | – | – | – | – | Electrical class: 00 ÷ 500 V a.c.<br>Electrical class: 0 ÷ 1000 V a. |
| **WR** | Water resistance | O | O | O | O | O | O | O | O | – | – | – | – | Absorption: < 3 $cm^2$ |
| **M** | Metatarsal protection (only for EN ISO 20345:2011) | O | O | O | O | – | – | – | – | O | O | – | – | Free height after impact ≥ 40 mm. (size 41/42) |
| **CR** | Cut resistance of upper (only for EN ISO 20345:2011) (other than model A | O | O | O | O | – | – | – | – | O | O | – | – | Cut resistance index ≥ 2,5 |
| **FO** | Fuel oil resistance of outsole | O | X | X | X | O | O | O | O | X | X | O | O | Outsole volume increase < 12% |
| **WG** | Protection against molten metal splashes as found in foundries and welding | – | – | – | – | – | – | – | – | – | – | – | – | Min. 25 drops to get to a temperature of 40° C |
| **SRC** | Slip resistance of outsole | X | X | X | X | X | X | X | X | | | | | **SRA + SRB** requirement |

| | |
|---|---|
| X | **Mandatory** requirement for protection class |
| O | **Optional** requirement added to mandatory ones, if marked on marking |
| – | Not **mandatory** requirement, check footwear stamping |

**Antistatic footwear:**
Antistatic footwear must be used when there is the need to minimize the accumulation of electrostatic charges, so as to rule out the danger of combustion of flammable substances and vapours and in case the risk of electric shocks from live parts should persist. Antistatic footwear does not provide protection against electric shock, as it only creates an electrical resistance between the floor and the foot. If the danger of electric shock cannot be completely ruled out, additional precautions must be taken as part of a periodic plan for accident prevention in the workplace. For antistatic requirements to be met, the footwear must not be modified.

**Insulating footwear:**
Insulating footwear provide electrical protection against accidental contacts with voltages up to 1000 V, provided that usage conditions are such as not to modify or alter electrical resistance under the influence of humidity. It should be pointed out that electrical resistance only refers to the bottom, and not to the upper, of the footwear.
Electrical classes for footwear:
Class 00 500V CA or 750V CC
Class 0 1000V CA or 1500V CC

**Dissipative footwear for EPA environments:**
Dissipative footwear, which is specially designed for EPA (ESDS) environments, allows electrostatic charges to be dissipated from the wearer's body in a continuous and controlled way, so as to protect electronic components and devices from electrostatic phenomena. The reference value of ground resistance according to CEI EN 61340-5-1: 2016, for wearer/footwear/floor, is <1 × 109 Ω.

## EN ISO 20345:2011 S1P SRC

| LINE | ITEM | REQUIREMENTS | | | RECOMMENDED SECTORS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADDITIONAL REQUIREMENTS | | | AUTOMOTIVE | BUILDING | ELECTRICITY | INDUSTRY | SERVICE LOGISTICS | EATING & PLUMBING | |
| BASIC PLUS | 7210BKK | | | X | X | X | X | X | X | X | 574 |
| | 7216BKK | | | X | X | X | X | X | X | X | 574 |
| FLEX | 7212FG | | | X | X | | X | X | X | X | 571 |
| | 7213FG | | | X | X | | X | X | X | X | 571 |
| FLEX LADY | 7212LG | | | X | X | | X | X | X | X | 571 |
| FLEX EVOLUTION | 7217FG | | | X | X | | X | X | X | X | 572 |
| EASY PLUS | 7222PEK | | | X | X | X | X | X | X | X | 569 |
| | 7223PEK | | | X | X | X | X | X | X | X | 570 |
| | 7224PEK | | | X | X | X | X | X | X | X | 570 |
| | 7225PEK | | | X | X | X | X | X | X | X | 570 |
| BASIC | 7241BK | | | | X | X | | X | X | X | 566 |
| | 7243BK | | | | X | X | | X | | X | 566 |
| | 7246BK | | | | X | X | | X | X | X | 568 |
| | 7247BK | | | | X | X | | X | X | X | 568 |
| EASY | 7246E | | | | | X | | X | X | X | 565 |
| TREKKING | 7248GK | | | | | X | | X | X | X | 576 |
| | 7249GK | RS | | | | X | | X | | X | 576 |
| SNEAKERS | 7314AF | | | X | X | X | X | X | X | X | 577 |
| | 7317NA | | | X | X | X | X | X | X | X | 578 |
| SNEAKERS PRO | 7340B | | | | X | | | X | X | X | 583 |
| | 7340R | | | | X | | | X | X | X | 583 |
| 0-GRAVITY | 7352A | HRO | | X | X | | X | X | X | X | 579 |
| | 7352B | HRO | | X | X | | X | X | X | X | 579 |
| | 7353Y | HRO | | | X | | X | X | X | X | 580 |
| | 7352G | HRO | | X | X | | X | X | X | X | 580 |
| 0-GRAVITY LADY | 7352LG | HRO | | X | X | | X | X | X | X | 580 |

## EN ISO 20347:2012 O1 SRC

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-GRAVITY | 7362B | FO HRO | | X | X | | X | X | | | 582 |

## EN ISO 20345:2011 S3 SRC

| LINE | ITEM | REQUIREMENTS | | | RECOMMENDED SECTORS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ADDITIONAL REQUIREMENTS | | | AGRICULTURE | AUTOMOTIVE | BUILDING | INDUSTRY | ELECTRICITY | SERVICE LOGISTICS | OIL & GAS | EATING & PLUMBING | |
| BASIC PLUS | 7200BKK | | | X | X | X | X | X | X | X | | X | 573 |
| | 7201BKK | | | X | X | X | X | X | X | X | | X | 574 |
| | 7310CRK | RS HRO | | | X | X | X | X | | | X | | 574 |
| FLEX | 7214FN | | | X | | X | | X | X | X | | X | 572 |
| | 7215FN | | | X | | X | | X | X | X | | X | 572 |
| | 7218FN | RS | | X | | X | | X | X | X | | X | 573 |
| FLEX LADY | 7214LN | | | X | | X | | X | X | X | | X | 572 |
| FLEX EVOLUTION | 7219FY | | | X | | X | | X | X | X | | X | 573 |
| EASY PLUS | 7220PEK | | | X | X | X | X | X | X | X | | X | 569 |
| | 7221PEK | RS | | X | X | X | X | X | X | X | | X | 569 |
| TREKKING | 7235BK | | | | X | | X | X | | X | | X | 575 |
| | 7236BK | RS | | | X | | X | X | | | | X | 575 |
| | 7238WR | RS HRO WR | | | X | | X | X | | | | X | 575 |
| EASY | 7241EN | | | | X | | X | X | | X | | X | 565 |
| | 7243EN | RS | | | X | | X | X | | | | X | 565 |
| BASIC | 7241CK | | | | X | X | X | X | | X | | X | 566 |
| | 7243CK | RS | | | X | X | X | X | | | | X | 567 |
| | 7243CR | RS HRO | | | X | | X | X | | | X | X | 567 |
| | 7245BK | RS | | | X | X | X | X | | | | X | 567 |
| HEAVY DUTY | 7293HM | HRO HI | X | | X | | X | | | | X | X | 584 |
| | 7293HN | HRO HI | X | | X | | X | | | | X | X | 585 |
| | 7294HM | HRO HI | X | | X | | X | | | | X | X | 585 |
| | 7294HMC | HRO HI CI WR | X | | X | | X | | | | X | X | 585 |
| | 7294HN | RS HRO HI | X | | X | | X | | | | X | X | 585 |
| SNEAKERS | 7315AN | | | X | | X | X | X | X | X | | X | 577 |
| | 7318AN | | | X | | X | X | X | X | X | | X | 577 |
| | 7320NA | | | X | X | X | X | X | X | X | | X | 578 |
| | 7321NA | RS | | X | X | X | X | X | X | X | | X | 578 |
| | 7322SA | | | X | X | X | X | X | X | X | | X | 578 |
| | 7323SA | RS | | X | X | X | X | X | X | X | | X | 579 |
| SNEAKERS PRO | 7341N | | | | | X | | X | | X | | X | 583 |
| | 7349RP | HRO | | X | | X | X | X | X | X | | X | 584 |
| | 7350RP | HRO | | X | | X | X | X | X | X | | X | 584 |
| 0-GRAVITY | 7354N | HRO | | X | | X | | X | X | X | | X | 580 |
| | 7355V | HRO | | X | | X | | X | X | X | | X | 581 |
| | 7356G | HRO | | X | | X | | X | X | X | | X | 581 |
| | 7357G | HRO | | X | | X | | X | X | X | | X | 582 |
| | 7356V | HRO | | X | | X | | X | X | X | | X | 581 |
| | 7357V | HRO | | X | | X | | X | X | X | | X | 582 |
| 0-GRAVITY LADY | 7356LN | HRO | | X | | X | | X | X | X | | X | 581 |

## EN ISO 20347:2012 O2 SRC

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BASIC | 7243FT | FO | | | X | X | | X | | | | X | 567 |
| 0-GRAVITY | 7363N | FO HRO | | X | | X | | X | X | | | | 582 |

## EN ISO 20345:2011 S5 SRC

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BASIC | 7328EA | | | | X | | X | X | | | X | X | 568 |
| | 7328EN | | | | X | | X | X | | | X | X | 568 |

# EASY

## 7241EN

leather shoe, water-repellent

- Steel toe cap
- Elastic steel penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072410835 |
| 36 | 3,5 | 1 | 072410836 |
| 37 | 4,5 | 1 | 072410837 |
| 38 | 5 | 1 | 072410838 |
| 39 | 6 | 1 | 072410839 |
| 40 | 6,5 | 1 | 072410840 |
| 41 | 7 | 1 | 072410841 |
| 42 | 8 | 1 | 072410842 |
| 43 | 9 | 1 | 072410843 |
| 44 | 10 | 1 | 072410844 |
| 45 | 10,5 | 1 | 072410845 |
| 46 | 11 | 1 | 072410846 |
| 47 | 12 | 1 | 072410847 |
| 48 | 13 | 1 | 072410848 |

CE

S3 SRC

## 7243EN

leather ankle shoe, water-repellent,
with quick opening system

- Steel toe cap
- Elastic steel penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072430835 |
| 36 | 3,5 | 1 | 072430836 |
| 37 | 4,5 | 1 | 072430837 |
| 38 | 5 | 1 | 072430838 |
| 39 | 6 | 1 | 072430839 |
| 40 | 6,5 | 1 | 072430840 |
| 41 | 7 | 1 | 072430841 |
| 42 | 8 | 1 | 072430842 |
| 43 | 9 | 1 | 072430843 |
| 44 | 10 | 1 | 072430844 |
| 45 | 10,5 | 1 | 072430845 |
| 46 | 11 | 1 | 072430846 |
| 47 | 12 | 1 | 072430847 |
| 48 | 13 | 1 | 072430848 |

CE

S3 RS SRC

## 7246E

suede shoe, perforated

- Steel toe cap
- Elastic steel penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072460435 |
| 36 | 3,5 | 1 | 072460436 |
| 37 | 4,5 | 1 | 072460437 |
| 38 | 5 | 1 | 072460438 |
| 39 | 6 | 1 | 072460439 |
| 40 | 6,5 | 1 | 072460440 |
| 41 | 7 | 1 | 072460441 |
| 42 | 8 | 1 | 072460442 |
| 43 | 9 | 1 | 072460443 |
| 44 | 10 | 1 | 072460444 |
| 45 | 10,5 | 1 | 072460445 |
| 46 | 11 | 1 | 072460446 |
| 47 | 12 | 1 | 072460447 |
| 48 | 13 | 1 | 072460448 |

CE

S1P SRC

# BASIC

## 7241BK
leather shoe

- Steel toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072411235 |
| 36 | 3,5 | 1 | 072411236 |
| 37 | 4,5 | 1 | 072411237 |
| 38 | 5 | 1 | 072411238 |
| 39 | 6 | 1 | 072411239 |
| 40 | 6,5 | 1 | 072411240 |
| 41 | 7 | 1 | 072411241 |
| 42 | 8 | 1 | 072411242 |
| 43 | 9 | 1 | 072411243 |
| 44 | 10 | 1 | 072411244 |
| 45 | 10,5 | 1 | 072411245 |
| 46 | 11 | 1 | 072411246 |
| 47 | 12 | 1 | 072411247 |
| 48 | 13 | 1 | 072411248 |

CE S1P SRC

## 7241CK
leather shoe, water-repellent

- Steel toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072411535 |
| 36 | 3,5 | 1 | 072411536 |
| 37 | 4,5 | 1 | 072411537 |
| 38 | 5 | 1 | 072411538 |
| 39 | 6 | 1 | 072411539 |
| 40 | 6,5 | 1 | 072411540 |
| 41 | 7 | 1 | 072411541 |
| 42 | 8 | 1 | 072411542 |
| 43 | 9 | 1 | 072411543 |
| 44 | 10 | 1 | 072411544 |
| 45 | 10,5 | 1 | 072411545 |
| 46 | 11 | 1 | 072411546 |
| 47 | 12 | 1 | 072411547 |
| 48 | 13 | 1 | 072411548 |

CE S3 SRC

## 7243BK
leather ankle shoe

- Steel toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072431235 |
| 36 | 3,5 | 1 | 072431236 |
| 37 | 4,5 | 1 | 072431237 |
| 38 | 5 | 1 | 072431238 |
| 39 | 6 | 1 | 072431239 |
| 40 | 6,5 | 1 | 072431240 |
| 41 | 7 | 1 | 072431241 |
| 42 | 8 | 1 | 072431242 |
| 43 | 9 | 1 | 072431243 |
| 44 | 10 | 1 | 072431244 |
| 45 | 10,5 | 1 | 072431245 |
| 46 | 11 | 1 | 072431246 |
| 47 | 12 | 1 | 072431247 |
| 48 | 13 | 1 | 072431248 |

CE S1P SRC

## 7243CK

leather ankle shoe, water-repellent,
with quick opening system

- Steel toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| **35** | 2,5 | 1 | 072431335 |
| **36** | 3,5 | 1 | 072431336 |
| **37** | 4,5 | 1 | 072431337 |
| **38** | 5 | 1 | 072431338 |
| **39** | 6 | 1 | 072431339 |
| **40** | 6,5 | 1 | 072431340 |
| **41** | 7 | 1 | 072431341 |
| **42** | 8 | 1 | 072431342 |
| **43** | 9 | 1 | 072431343 |
| **44** | 10 | 1 | 072431344 |
| **45** | 10,5 | 1 | 072431345 |
| **46** | 11 | 1 | 072431346 |
| **47** | 12 | 1 | 072431347 |
| **48** | 13 | 1 | 072431348 |

CE

**S3 RS SRC**

EN ISO 20345 2011

## 7243CR

leather ankle shoe, waterproof,
with durable rubber outsole
and quick opening system

- Steel toe cap
- Elastic steel penetration-proof insole

| EU | UK | | |
|---|---|---|---|
| **35** | 2,5 | 1 | 072430735 |
| **36** | 3,5 | 1 | 072430736 |
| **37** | 4,5 | 1 | 072430737 |
| **38** | 5 | 1 | 072430738 |
| **39** | 6 | 1 | 072430739 |
| **40** | 6,5 | 1 | 072430740 |
| **41** | 7 | 1 | 072430741 |
| **42** | 8 | 1 | 072430742 |
| **43** | 9 | 1 | 072430743 |
| **44** | 10 | 1 | 072430744 |
| **45** | 10,5 | 1 | 072430745 |
| **46** | 11 | 1 | 072430746 |
| **47** | 12 | 1 | 072430747 |
| **48** | 13 | 1 | 072430748 |

CE

**S3 RS HRO SRC**

EN ISO 20345 2011

## 7243FT

leather ankle shoe, waterproof,
without toe cap and penetration proof insole

- Without toe cap
- Without penetration proof insole

| EU | UK | | |
|---|---|---|---|
| **35** | 2,5 | 1 | 072430635 |
| **36** | 3,5 | 1 | 072430636 |
| **37** | 4,5 | 1 | 072430637 |
| **38** | 5 | 1 | 072430638 |
| **39** | 6 | 1 | 072430639 |
| **40** | 6,5 | 1 | 072430640 |
| **41** | 7 | 1 | 072430641 |
| **42** | 8 | 1 | 072430642 |
| **43** | 9 | 1 | 072430643 |
| **44** | 10 | 1 | 072430644 |
| **45** | 10,5 | 1 | 072430645 |
| **46** | 11 | 1 | 072430646 |
| **47** | 12 | 1 | 072430647 |
| **48** | 13 | 1 | 072430648 |

CE

**O2 FO SRC**

EN ISO 20347 2012

## 7245BK

lace-up leather ankle shoe, "welder" style, water-repellent, with
quick opening system
and front protection with strap closure

- Steel toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| **35** | 2,5 | 1 | 072451235 |
| **36** | 3,5 | 1 | 072451236 |
| **37** | 4,5 | 1 | 072451237 |
| **38** | 5 | 1 | 072451238 |
| **39** | 6 | 1 | 072451239 |
| **40** | 6,5 | 1 | 072451240 |
| **41** | 7 | 1 | 072451241 |
| **42** | 8 | 1 | 072451242 |
| **43** | 9 | 1 | 072451243 |
| **44** | 10 | 1 | 072451244 |
| **45** | 10,5 | 1 | 072451245 |
| **46** | 11 | 1 | 072451246 |
| **47** | 12 | 1 | 072451247 |
| **48** | 13 | 1 | 072451248 |

CE

**S3 RS SRC**

EN ISO 20345 2011

## 7246BK
suede shoe, perforated

- Steel toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072461235 |
| 36 | 3,5 | 1 | 072461236 |
| 37 | 4,5 | 1 | 072461237 |
| 38 | 5 | 1 | 072461238 |
| 39 | 6 | 1 | 072461239 |
| 40 | 6,5 | 1 | 072461240 |
| 41 | 7 | 1 | 072461241 |
| 42 | 8 | 1 | 072461242 |
| 43 | 9 | 1 | 072461243 |
| 44 | 10 | 1 | 072461244 |
| 45 | 10,5 | 1 | 072461245 |
| 46 | 11 | 1 | 072461246 |
| 47 | 12 | 1 | 072461247 |
| 48 | 13 | 1 | 072461248 |

CE S1P SRC

## 7247BK
leather sandal, perforated

- Steel toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072471235 |
| 36 | 3,5 | 1 | 072471236 |
| 37 | 4,5 | 1 | 072471237 |
| 38 | 5 | 1 | 072471238 |
| 39 | 6 | 1 | 072471239 |
| 40 | 6,5 | 1 | 072471240 |
| 41 | 7 | 1 | 072471241 |
| 42 | 8 | 1 | 072471242 |
| 43 | 9 | 1 | 072471243 |
| 44 | 10 | 1 | 072471244 |
| 45 | 10,5 | 1 | 072471245 |
| 46 | 11 | 1 | 072471246 |
| 47 | 12 | 1 | 072471247 |
| 48 | 13 | 1 | 072471248 |

CE S1P SRC

## 7328EA
safety boot, "Top Visibility"

- Steel toe cap
- Stainless steel penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073280538 |
| 39 | 6 | 1 | 073280539 |
| 40 | 6,5 | 1 | 073280540 |
| 41 | 7 | 1 | 073280541 |
| 42 | 8 | 1 | 073280542 |
| 43 | 9 | 1 | 073280543 |
| 44 | 10 | 1 | 073280544 |
| 45 | 10,5 | 1 | 073280545 |
| 46 | 11 | 1 | 073280546 |
| 47 | 12 | 1 | 073280547 |

CE S5 SRC

## 7328EN
safety boot

- Steel toe cap
- Stainless steel penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073280738 |
| 39 | 6 | 1 | 073280739 |
| 40 | 6,5 | 1 | 073280740 |
| 41 | 7 | 1 | 073280741 |
| 42 | 8 | 1 | 073280742 |
| 43 | 9 | 1 | 073280743 |
| 44 | 10 | 1 | 073280744 |
| 45 | 10,5 | 1 | 073280745 |
| 46 | 11 | 1 | 073280746 |
| 47 | 12 | 1 | 073280747 |

CE S5 SRC

# EASY PLUS

## 7220PEK

leather shoe, water-repellent, with nylon inserts and anti-abrasion reinforcement in toe cap area

- Composite toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072200235 |
| 36 | 3,5 | 1 | 072200236 |
| 37 | 4,5 | 1 | 072200237 |
| 38 | 5 | 1 | 072200238 |
| 39 | 6 | 1 | 072200239 |
| 40 | 6,5 | 1 | 072200240 |
| 41 | 7 | 1 | 072200241 |
| 42 | 8 | 1 | 072200242 |
| 43 | 9 | 1 | 072200243 |
| 44 | 10 | 1 | 072200244 |
| 45 | 10,5 | 1 | 072200245 |
| 46 | 11 | 1 | 072200246 |
| 47 | 12 | 1 | 072200247 |
| 48 | 13 | 1 | 072200248 |

CE

S3 SRC

## 7221PEK

leather ankle shoe, water-repellent, with nylon inserts, anti-abrasion reinforcement in toe cap area and quick opening system

- Composite toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072210235 |
| 36 | 3,5 | 1 | 072210236 |
| 37 | 4,5 | 1 | 072210237 |
| 38 | 5 | 1 | 072210238 |
| 39 | 6 | 1 | 072210239 |
| 40 | 6,5 | 1 | 072210240 |
| 41 | 7 | 1 | 072210241 |
| 42 | 8 | 1 | 072210242 |
| 43 | 9 | 1 | 072210243 |
| 44 | 10 | 1 | 072210244 |
| 45 | 10,5 | 1 | 072210245 |
| 46 | 11 | 1 | 072210246 |
| 47 | 12 | 1 | 072210247 |
| 48 | 13 | 1 | 072210248 |

CE

S3 RS SRC

## 7222PEK

suede shoe, perforated, with highly breathable mesh inserts

- Composite toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072220135 |
| 36 | 3,5 | 1 | 072220136 |
| 37 | 4,5 | 1 | 072220137 |
| 38 | 5 | 1 | 072220138 |
| 39 | 6 | 1 | 072220139 |
| 40 | 6,5 | 1 | 072220140 |
| 41 | 7 | 1 | 072220141 |
| 42 | 8 | 1 | 072220142 |
| 43 | 9 | 1 | 072220143 |
| 44 | 10 | 1 | 072220144 |
| 45 | 10,5 | 1 | 072220145 |
| 46 | 11 | 1 | 072220146 |
| 47 | 12 | 1 | 072220147 |
| 48 | 13 | 1 | 072220148 |

CE

S1P SRC

## 7223PEK

suede shoe with highly breathable mesh inserts and anti-abrasion reinforcement in toe cap area

- Composite toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072230135 |
| 36 | 3,5 | 1 | 072230136 |
| 37 | 4,5 | 1 | 072230137 |
| 38 | 5 | 1 | 072230138 |
| 39 | 6 | 1 | 072230139 |
| 40 | 6,5 | 1 | 072230140 |
| 41 | 7 | 1 | 072230141 |
| 42 | 8 | 1 | 072230142 |
| 43 | 9 | 1 | 072230143 |
| 44 | 10 | 1 | 072230144 |
| 45 | 10,5 | 1 | 072230145 |
| 46 | 11 | 1 | 072230146 |
| 47 | 12 | 1 | 072230147 |
| 48 | 13 | 1 | 072230148 |

EN ISO 20345 2011

CE S1P SRC

## 7224PEK

suede shoe, perforated, with anti-abrasion reinforcement in toe cap area

- Composite toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072240235 |
| 36 | 3,5 | 1 | 072240236 |
| 37 | 4,5 | 1 | 072240237 |
| 38 | 5 | 1 | 072240238 |
| 39 | 6 | 1 | 072240239 |
| 40 | 6,5 | 1 | 072240240 |
| 41 | 7 | 1 | 072240241 |
| 42 | 8 | 1 | 072240242 |
| 43 | 9 | 1 | 072240243 |
| 44 | 10 | 1 | 072240244 |
| 45 | 10,5 | 1 | 072240245 |
| 46 | 11 | 1 | 072240246 |
| 47 | 12 | 1 | 072240247 |
| 48 | 13 | 1 | 072240248 |

EN ISO 20345 2011

CE S1P SRC

## 7225PEK

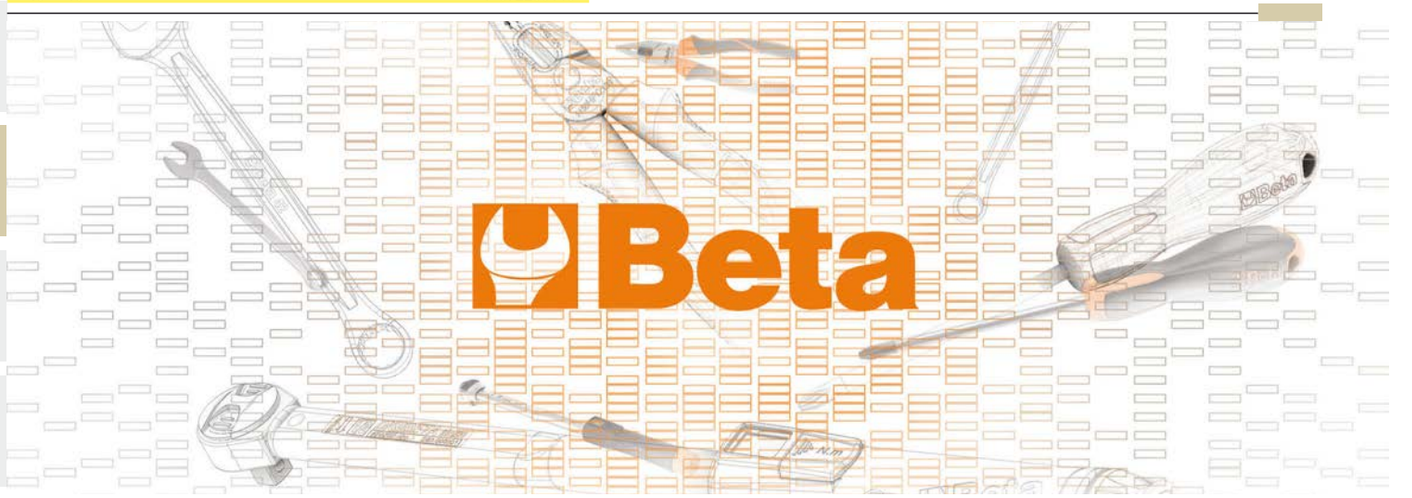
suede shoe, perforated

- Composite toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072250135 |
| 36 | 3,5 | 1 | 072250136 |
| 37 | 4,5 | 1 | 072250137 |
| 38 | 5 | 1 | 072250138 |
| 39 | 6 | 1 | 072250139 |
| 40 | 6,5 | 1 | 072250140 |
| 41 | 7 | 1 | 072250141 |
| 42 | 8 | 1 | 072250142 |
| 43 | 9 | 1 | 072250143 |
| 44 | 10 | 1 | 072250144 |
| 45 | 10,5 | 1 | 072250145 |
| 46 | 11 | 1 | 072250146 |
| 47 | 12 | 1 | 072250147 |
| 48 | 13 | 1 | 072250148 |

EN ISO 20345 2011

CE S1P SRC



# FLEX

## 7212FG

suede shoe, perforated, with anti-abrasion insert in toe cap area
Extremely flexible and lightweight - approximate weight, size 42: 490 g
Not recommended for heavy-duty use (building, agriculture, heavy industry)

- Composite toe cap
- Composite fibre penetration-proof insole

EN ISO 20345 2011

CE S1P SRC

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072120035 |
| 36 | 3,5 | 1 | 072120036 |
| 37 | 4,5 | 1 | 072120037 |
| 38 | 5 | 1 | 072120038 |
| 39 | 6 | 1 | 072120039 |
| 40 | 6,5 | 1 | 072120040 |
| 41 | 7 | 1 | 072120041 |
| 42 | 8 | 1 | 072120042 |
| 43 | 9 | 1 | 072120043 |
| 44 | 10 | 1 | 072120044 |
| 45 | 10,5 | 1 | 072120045 |
| 46 | 11 | 1 | 072120046 |
| 47 | 12 | 1 | 072120047 |
| 48 | 13 | 1 | 072120048 |

## 7212LG

women's suede shoe, perforated, with mesh inserts
Extremely flexible and lightweight - approximate weight, size 38: 380 g
Not recommended for heavy-duty use (building, agriculture, heavy industry)

- Composite toe cap
- Composite fibre penetration-proof insole

EN ISO 20345 2011

CE S1P SRC

| EU | UK | | |
|---|---|---|---|
| 34 | 2 | 1 | 072120134 |
| 35 | 2,5 | 1 | 072120135 |
| 36 | 3,5 | 1 | 072120136 |
| 37 | 4,5 | 1 | 072120137 |
| 38 | 5 | 1 | 072120138 |
| 39 | 6 | 1 | 072120139 |
| 40 | 6,5 | 1 | 072120140 |
| 41 | 7 | 1 | 072120141 |
| 42 | 8 | 1 | 072120142 |

## 7213FG

suede shoe with highly breathable mesh inserts
Extremely flexible and lightweight - approximate weight, size 42: 490 g
Not recommended for heavy-duty use (building, agriculture, heavy industry)

- Composite toe cap
- Composite fibre penetration-proof insole

EN ISO 20345 2011

CE S1P SRC

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072130035 |
| 36 | 3,5 | 1 | 072130036 |
| 37 | 4,5 | 1 | 072130037 |
| 38 | 5 | 1 | 072130038 |
| 39 | 6 | 1 | 072130039 |
| 40 | 6,5 | 1 | 072130040 |
| 41 | 7 | 1 | 072130041 |
| 42 | 8 | 1 | 072130042 |
| 43 | 9 | 1 | 072130043 |
| 44 | 10 | 1 | 072130044 |
| 45 | 10,5 | 1 | 072130045 |
| 46 | 11 | 1 | 072130046 |
| 47 | 12 | 1 | 072130047 |
| 48 | 13 | 1 | 072130048 |

## 7214FN

Action nubuck shoe, waterproof, with anti-abrasion insert in toe cap area Extremely flexible and lightweight - approximate weight size 42: 500 g Not recommended for heavy-duty use (building, agriculture, heavy industry)

- Composite toe cap
- Composite fibre penetration-proof insole

| EU | UK | | |
|---|---|---|---|
| **35** | 2,5 | 1 | 072140035 |
| **36** | 3,5 | 1 | 072140036 |
| **37** | 4,5 | 1 | 072140037 |
| **38** | 5 | 1 | 072140038 |
| **39** | 6 | 1 | 072140039 |
| **40** | 6,5 | 1 | 072140040 |
| **41** | 7 | 1 | 072140041 |
| **42** | 8 | 1 | 072140042 |
| **43** | 9 | 1 | 072140043 |
| **44** | 10 | 1 | 072140044 |
| **45** | 10,5 | 1 | 072140045 |
| **46** | 11 | 1 | 072140046 |
| **47** | 12 | 1 | 072140047 |
| **48** | 13 | 1 | 072140048 |

CE S3 SRC

## 7214LN

women's suede shoe, waterproof, with anti-abrasion insert in toe cap area Extremely flexible and lightweight - approximate weight, size 38: 380 g Not recommended for heavy-duty use (building, agriculture, heavy industry)

- Composite toe cap
- Composite fibre penetration-proof insole

| EU | UK | | |
|---|---|---|---|
| **34** | 2 | 1 | 072140134 |
| **35** | 2,5 | 1 | 072140135 |
| **36** | 3,5 | 1 | 072140136 |
| **37** | 4,5 | 1 | 072140137 |
| **38** | 5 | 1 | 072140138 |
| **39** | 6 | 1 | 072140139 |
| **40** | 6,5 | 1 | 072140140 |
| **41** | 7 | 1 | 072140141 |
| **42** | 8 | 1 | 072140142 |

CE S3 SRC

## 7215FN

Action nubuck moccasin, waterproof, with anti-abrasion insert in toe cap area Extremely flexible and lightweight - approximate weight, size 42: 490 g Not recommended for heavy-duty use (building, agriculture, heavy industry)

- Composite toe cap
- Composite fibre penetration-proof insole

| EU | UK | | |
|---|---|---|---|
| **35** | 2,5 | 1 | 072150135 |
| **36** | 3,5 | 1 | 072150136 |
| **37** | 4,5 | 1 | 072150137 |
| **38** | 5 | 1 | 072150138 |
| **39** | 6 | 1 | 072150139 |
| **40** | 6,5 | 1 | 072150140 |
| **41** | 7 | 1 | 072150141 |
| **42** | 8 | 1 | 072150142 |
| **43** | 9 | 1 | 072150143 |
| **44** | 10 | 1 | 072150144 |
| **45** | 10,5 | 1 | 072150145 |
| **46** | 11 | 1 | 072150146 |
| **47** | 12 | 1 | 072150147 |
| **48** | 13 | 1 | 072150148 |

CE S3 SRC

## 7217FG

mesh shoe, highly breathable, with anti-abrasion insert in toe cap area Extremely flexible and lightweight - approximate weight, size 42: 490 g Not recommended for heavy-duty jobs (building, agriculture, heavy industry)

- Composite toe cap
- Composite fibre penetration-proof insole

| EU | UK | | |
|---|---|---|---|
| **35** | 2,5 | 1 | 072170235 |
| **36** | 3,5 | 1 | 072170236 |
| **37** | 4,5 | 1 | 072170237 |
| **38** | 5 | 1 | 072170238 |
| **39** | 6 | 1 | 072170239 |
| **40** | 6,5 | 1 | 072170240 |
| **41** | 7 | 1 | 072170241 |
| **42** | 8 | 1 | 072170242 |
| **43** | 9 | 1 | 072170243 |
| **44** | 10 | 1 | 072170244 |
| **45** | 10,5 | 1 | 072170245 |
| **46** | 11 | 1 | 072170246 |
| **47** | 12 | 1 | 072170247 |
| **48** | 13 | 1 | 072170248 |

S1P SRC

## 7218FN

Action nubuck ankle shoe, water-repellent, with anti-abrasion insert in toe cap area and quick opening system
Extremely flexible and lightweight - approximate weight, size 42: 510 g
Not recommended for heavy-duty use (building, agriculture, heavy industry)

- Composite toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

CE S3 RS SRC

| EU | UK | | |
|---|---|---|---|
| **35** | 2,5 | 1 | 072180035 |
| **36** | 3,5 | 1 | 072180036 |
| **37** | 4,5 | 1 | 072180037 |
| **38** | 5 | 1 | 072180038 |
| **39** | 6 | 1 | 072180039 |
| **40** | 6,5 | 1 | 072180040 |
| **41** | 7 | 1 | 072180041 |
| **42** | 8 | 1 | 072180042 |
| **43** | 9 | 1 | 072180043 |
| **44** | 10 | 1 | 072180044 |
| **45** | 10,5 | 1 | 072180045 |
| **46** | 11 | 1 | 072180046 |
| **47** | 12 | 1 | 072180047 |
| **48** | 13 | 1 | 072180048 |

## 7219FY

microfibre shoe, waterproof, with anti-abrasion insert in toe cap area Extremely flexible and lightweight - approximate weight, size 42: 490 g Not recommended for heavy-duty jobs (building, agriculture, heavy industry)

- Composite toe cap
- Composite fibre penetration-proof insole

EN ISO 20345 2011

CE S3 SRC

| EU | UK | | |
|---|---|---|---|
| **35** | 2,5 | 1 | 072190035 |
| **36** | 3,5 | 1 | 072190036 |
| **37** | 4,5 | 1 | 072190037 |
| **38** | 5 | 1 | 072190038 |
| **39** | 6 | 1 | 072190039 |
| **40** | 6,5 | 1 | 072190040 |
| **41** | 7 | 1 | 072190041 |
| **42** | 8 | 1 | 072190042 |
| **43** | 9 | 1 | 072190043 |
| **44** | 10 | 1 | 072190044 |
| **45** | 10,5 | 1 | 072190045 |
| **46** | 11 | 1 | 072190046 |
| **47** | 12 | 1 | 072190047 |
| **48** | 13 | 1 | 072190048 |

# BASIC PLUS

## 7200BKK

full-grain leather shoe, waterproof

- Composite toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

CE S3 SRC

| EU | UK | | |
|---|---|---|---|
| **35** | 2,5 | 1 | 072000235 |
| **36** | 3,5 | 1 | 072000236 |
| **37** | 4,5 | 1 | 072000237 |
| **38** | 5 | 1 | 072000238 |
| **39** | 6 | 1 | 072000239 |
| **40** | 6,5 | 1 | 072000240 |
| **41** | 7 | 1 | 072000241 |
| **42** | 8 | 1 | 072000242 |
| **43** | 9 | 1 | 072000243 |
| **44** | 10 | 1 | 072000244 |
| **45** | 10,5 | 1 | 072000245 |
| **46** | 11 | 1 | 072000246 |
| **47** | 12 | 1 | 072000247 |
| **48** | 13 | 1 | 072000248 |

## 7201BKK

full-grain leather ankle shoe, waterproof

- Composite toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072010435 |
| 36 | 3,5 | 1 | 072010436 |
| 37 | 4,5 | 1 | 072010437 |
| 38 | 5 | 1 | 072010438 |
| 39 | 6 | 1 | 072010439 |
| 40 | 6,5 | 1 | 072010440 |
| 41 | 7 | 1 | 072010441 |
| 42 | 8 | 1 | 072010442 |
| 43 | 9 | 1 | 072010443 |
| 44 | 10 | 1 | 072010444 |
| 45 | 10,5 | 1 | 072010445 |
| 46 | 11 | 1 | 072010446 |
| 47 | 12 | 1 | 072010447 |
| 48 | 13 | 1 | 072010448 |

EN ISO 20345 2011

CE S3 SRC

## 7210BKK

soft suede shoe, perforated

- Composite toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072100335 |
| 36 | 3,5 | 1 | 072100336 |
| 37 | 4,5 | 1 | 072100337 |
| 38 | 5 | 1 | 072100338 |
| 39 | 6 | 1 | 072100339 |
| 40 | 6,5 | 1 | 072100340 |
| 41 | 7 | 1 | 072100341 |
| 42 | 8 | 1 | 072100342 |
| 43 | 9 | 1 | 072100343 |
| 44 | 10 | 1 | 072100344 |
| 45 | 10,5 | 1 | 072100345 |
| 46 | 11 | 1 | 072100346 |
| 47 | 12 | 1 | 072100347 |
| 48 | 13 | 1 | 072100348 |

EN ISO 20345 2011

CE S1P SRC

## 7216BKK

soft suede sandal,
with strap closure

- Composite toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072160335 |
| 36 | 3,5 | 1 | 072160336 |
| 37 | 4,5 | 1 | 072160337 |
| 38 | 5 | 1 | 072160338 |
| 39 | 6 | 1 | 072160339 |
| 40 | 6,5 | 1 | 072160340 |
| 41 | 7 | 1 | 072160341 |
| 42 | 8 | 1 | 072160342 |
| 43 | 9 | 1 | 072160343 |
| 44 | 10 | 1 | 072160344 |
| 45 | 10,5 | 1 | 072160345 |
| 46 | 11 | 1 | 072160346 |
| 47 | 12 | 1 | 072160347 |
| 48 | 13 | 1 | 072160348 |

EN ISO 20345 2011

CE S1P SRC

## 7310CRK

lace-up black leather shoe, "welder" style, water-repellent, with quick opening system and front protection with strap fastening and flameproof seams  Hard-wearing rubber outsole and anti-abrasion insert in toe cap area

- Composite toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 073100335 |
| 36 | 3,5 | 1 | 073100336 |
| 37 | 4,5 | 1 | 073100337 |
| 38 | 5 | 1 | 073100338 |
| 39 | 6 | 1 | 073100339 |
| 40 | 6,5 | 1 | 073100340 |
| 41 | 7 | 1 | 073100341 |
| 42 | 8 | 1 | 073100342 |
| 43 | 9 | 1 | 073100343 |
| 44 | 10 | 1 | 073100344 |
| 45 | 10,5 | 1 | 073100345 |
| 46 | 11 | 1 | 073100346 |
| 47 | 12 | 1 | 073100347 |
| 48 | 13 | 1 | 073100348 |

EN ISO 20345 2011

CE S3 RS HRO SRC

# TREKKING

## 7235BK

Action Nubuck shoe, waterproof,
with reinforcement polyurethane toe cap cover

- Steel toe cap
- Composite fibre penetration-proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072350335 |
| 36 | 3,5 | 1 | 072350336 |
| 37 | 4,5 | 1 | 072350337 |
| 38 | 5 | 1 | 072350338 |
| 39 | 6 | 1 | 072350339 |
| 40 | 6,5 | 1 | 072350340 |
| 41 | 7 | 1 | 072350341 |
| 42 | 8 | 1 | 072350342 |
| 43 | 9 | 1 | 072350343 |
| 44 | 10 | 1 | 072350344 |
| 45 | 10,5 | 1 | 072350345 |
| 46 | 11 | 1 | 072350346 |
| 47 | 12 | 1 | 072350347 |
| 48 | 13 | 1 | 072350348 |

CE

S3 SRC

## 7236BK

Action Nubuck ankle shoe, waterproof, with quick opening system and reinforcement polyurethane toe cap cover

- Steel toe cap
- Composite fibre penetration-proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072360335 |
| 36 | 3,5 | 1 | 072360336 |
| 37 | 4,5 | 1 | 072360337 |
| 38 | 5 | 1 | 072360338 |
| 39 | 6 | 1 | 072360339 |
| 40 | 6,5 | 1 | 072360340 |
| 41 | 7 | 1 | 072360341 |
| 42 | 8 | 1 | 072360342 |
| 43 | 9 | 1 | 072360343 |
| 44 | 10 | 1 | 072360344 |
| 45 | 10,5 | 1 | 072360345 |
| 46 | 11 | 1 | 072360346 |
| 47 | 12 | 1 | 072360347 |
| 48 | 13 | 1 | 072360348 |

CE

S3 RS SRC

## 7238WR

suede ankle shoe with nylon inserts, durable rubber outsole and quick opening system WR (water-resistant) footwear: after 1,000 steps in a tank with 3 cm of water, the wet internal surface has to be ≤3 $cm^2$ (spot)

- Composite toe cap
- Composite fibre penetration-proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 072380235 |
| 36 | 3,5 | 1 | 072380236 |
| 37 | 4,5 | 1 | 072380237 |
| 38 | 5 | 1 | 072380238 |
| 39 | 6 | 1 | 072380239 |
| 40 | 6,5 | 1 | 072380240 |
| 41 | 7 | 1 | 072380241 |
| 42 | 8 | 1 | 072380242 |
| 43 | 9 | 1 | 072380243 |
| 44 | 10 | 1 | 072380244 |
| 45 | 10,5 | 1 | 072380245 |
| 46 | 11 | 1 | 072380246 |
| 47 | 12 | 1 | 072380247 |
| 48 | 13 | 1 | 072380248 |

CE

S3 RS WR HRO SRC

## 7239B

nubuck ankle boot, water-repellent, with mesh inserts and reinforcement polyurethane toe cap cover

- Steel toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| **39** | 6 | 1 | 072390339 |
| **40** | 6,5 | 1 | 072390340 |
| **41** | 7 | 1 | 072390341 |
| **42** | 8 | 1 | 072390342 |
| **43** | 9 | 1 | 072390343 |
| **44** | 10 | 1 | 072390344 |
| **45** | 10,5 | 1 | 072390345 |
| **46** | 11 | 1 | 072390346 |
| **47** | 12 | 1 | 072390347 |
| **48** | 13 | 1 | 072390348 |

CE

S3 SRC

## 7248GK

suede shoe with nylon inserts and reinforcement polyurethane toe cap cover

- Steel toe cap
- Composite fibre penetration-proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| **35** | 2,5 | 1 | 072480235 |
| **36** | 3,5 | 1 | 072480236 |
| **37** | 4,5 | 1 | 072480237 |
| **38** | 5 | 1 | 072480238 |
| **39** | 6 | 1 | 072480239 |
| **40** | 6,5 | 1 | 072480240 |
| **41** | 7 | 1 | 072480241 |
| **42** | 8 | 1 | 072480242 |
| **43** | 9 | 1 | 072480243 |
| **44** | 10 | 1 | 072480244 |
| **45** | 10,5 | 1 | 072480245 |
| **46** | 11 | 1 | 072480246 |
| **47** | 12 | 1 | 072480247 |
| **48** | 13 | 1 | 072480248 |

CE

S1P SRC

## 7249GK

suede ankle shoe with nylon inserts, quick opening system and reinforcement polyurethane toe cap cover

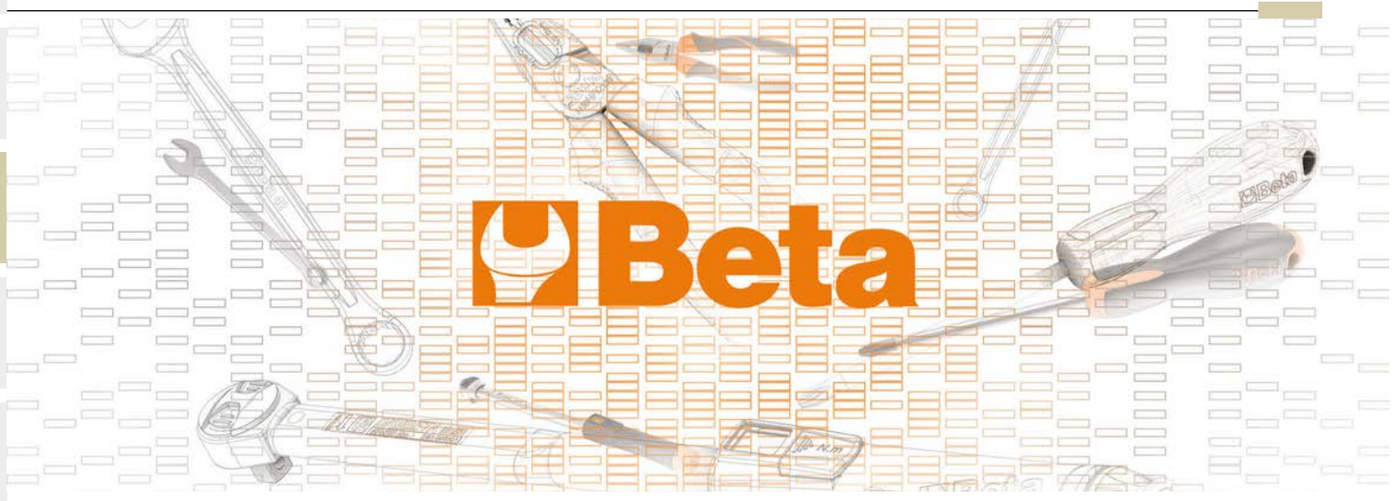
- Steel toe cap
- Composite fibre penetration-proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| **35** | 2,5 | 1 | 072490235 |
| **36** | 3,5 | 1 | 072490236 |
| **37** | 4,5 | 1 | 072490237 |
| **38** | 5 | 1 | 072490238 |
| **39** | 6 | 1 | 072490239 |
| **40** | 6,5 | 1 | 072490240 |
| **41** | 7 | 1 | 072490241 |
| **42** | 8 | 1 | 072490242 |
| **43** | 9 | 1 | 072490243 |
| **44** | 10 | 1 | 072490244 |
| **45** | 10,5 | 1 | 072490245 |
| **46** | 11 | 1 | 072490246 |
| **47** | 12 | 1 | 072490247 |
| **48** | 13 | 1 | 072490248 |

CE

S1P RS SRC



# SNEAKERS

## 7314AF

suede shoe
with nylon mesh and carbon inserts

- Composite toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 073140235 |
| 36 | 3,5 | 1 | 073140236 |
| 37 | 4,5 | 1 | 073140237 |
| 38 | 5 | 1 | 073140238 |
| 39 | 6 | 1 | 073140239 |
| 40 | 6,5 | 1 | 073140240 |
| 41 | 7 | 1 | 073140241 |
| 42 | 8 | 1 | 073140242 |
| 43 | 9 | 1 | 073140243 |
| 44 | 10 | 1 | 073140244 |
| 45 | 10,5 | 1 | 073140245 |
| 46 | 11 | 1 | 073140246 |
| 47 | 12 | 1 | 073140247 |
| 48 | 13 | 1 | 073140248 |

CE S1P SRC

## 7315AN

suede and microfibre shoe,
water-repellent, with carbon inserts

- Composite toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 073150535 |
| 36 | 3,5 | 1 | 073150536 |
| 37 | 4,5 | 1 | 073150537 |
| 38 | 5 | 1 | 073150538 |
| 39 | 6 | 1 | 073150539 |
| 40 | 6,5 | 1 | 073150540 |
| 41 | 7 | 1 | 073150541 |
| 42 | 8 | 1 | 073150542 |
| 43 | 9 | 1 | 073150543 |
| 44 | 10 | 1 | 073150544 |
| 45 | 10,5 | 1 | 073150545 |
| 46 | 11 | 1 | 073150546 |
| 47 | 12 | 1 | 073150547 |
| 48 | 13 | 1 | 073150548 |

CE S3 SRC

## 7318AN

suede and microfibre ankle shoe,
water-repellent, with carbon inserts

- Composite toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 073180535 |
| 36 | 3,5 | 1 | 073180536 |
| 37 | 4,5 | 1 | 073180537 |
| 38 | 5 | 1 | 073180538 |
| 39 | 6 | 1 | 073180539 |
| 40 | 6,5 | 1 | 073180540 |
| 41 | 7 | 1 | 073180541 |
| 42 | 8 | 1 | 073180542 |
| 43 | 9 | 1 | 073180543 |
| 44 | 10 | 1 | 073180544 |
| 45 | 10,5 | 1 | 073180545 |
| 46 | 11 | 1 | 073180546 |
| 47 | 12 | 1 | 073180547 |
| 48 | 13 | 1 | 073180548 |

CE S3 SRC

## 7317NA

suede shoe, perforated,
with microfibre reinforcement in heel area

- Composite toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 073170135 |
| 36 | 3,5 | 1 | 073170136 |
| 37 | 4,5 | 1 | 073170137 |
| 38 | 5 | 1 | 073170138 |
| 39 | 6 | 1 | 073170139 |
| 40 | 6,5 | 1 | 073170140 |
| 41 | 7 | 1 | 073170141 |
| 42 | 8 | 1 | 073170142 |
| 43 | 9 | 1 | 073170143 |
| 44 | 10 | 1 | 073170144 |
| 45 | 10,5 | 1 | 073170145 |
| 46 | 11 | 1 | 073170146 |
| 47 | 12 | 1 | 073170147 |
| 48 | 13 | 1 | 073170148 |

CE S1P SRC

EN ISO 20345 2011

## 7320NA

nubuck shoe, water-repellent,
with antiabrasion reinforcement in toe cap area

- Composite toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 073200435 |
| 36 | 3,5 | 1 | 073200436 |
| 37 | 4,5 | 1 | 073200437 |
| 38 | 5 | 1 | 073200438 |
| 39 | 6 | 1 | 073200439 |
| 40 | 6,5 | 1 | 073200440 |
| 41 | 7 | 1 | 073200441 |
| 42 | 8 | 1 | 073200442 |
| 43 | 9 | 1 | 073200443 |
| 44 | 10 | 1 | 073200444 |
| 45 | 10,5 | 1 | 073200445 |
| 46 | 11 | 1 | 073200446 |
| 47 | 12 | 1 | 073200447 |
| 48 | 13 | 1 | 073200448 |

CE S3 SRC

EN ISO 20345 2011

## 7321NA

nubuck shoe, water-repellent,
with quick opening system and antiabrasion reinforcement in toe cap area

- Composite toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 073210435 |
| 36 | 3,5 | 1 | 073210436 |
| 37 | 4,5 | 1 | 073210437 |
| 38 | 5 | 1 | 073210438 |
| 39 | 6 | 1 | 073210439 |
| 40 | 6,5 | 1 | 073210440 |
| 41 | 7 | 1 | 073210441 |
| 42 | 8 | 1 | 073210442 |
| 43 | 9 | 1 | 073210443 |
| 44 | 10 | 1 | 073210444 |
| 45 | 10,5 | 1 | 073210445 |
| 46 | 11 | 1 | 073210446 |
| 47 | 12 | 1 | 073210447 |
| 48 | 13 | 1 | 073210448 |

CE S3 RS SRC

EN ISO 20345 2011

## 7322SA

fabric shoe, highly resistant to abrasion,
with heel stability support

- Composite toe cap
- Composite fibre penetration proof insole

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 073220435 |
| 36 | 3,5 | 1 | 073220436 |
| 37 | 4,5 | 1 | 073220437 |
| 38 | 5 | 1 | 073220438 |
| 39 | 6 | 1 | 073220439 |
| 40 | 6,5 | 1 | 073220440 |
| 41 | 7 | 1 | 073220441 |
| 42 | 8 | 1 | 073220442 |
| 43 | 9 | 1 | 073220443 |
| 44 | 10 | 1 | 073220444 |
| 45 | 10,5 | 1 | 073220445 |
| 46 | 11 | 1 | 073220446 |
| 47 | 12 | 1 | 073220447 |
| 48 | 13 | 1 | 073220448 |

CE S3 SRC

EN ISO 20345 2011

## 7323SA

fabric ankle shoe, highly resistant to abrasion,
with quick opening system and heel stability support

- Composite toe cap
- Composite fibre penetration proof insole

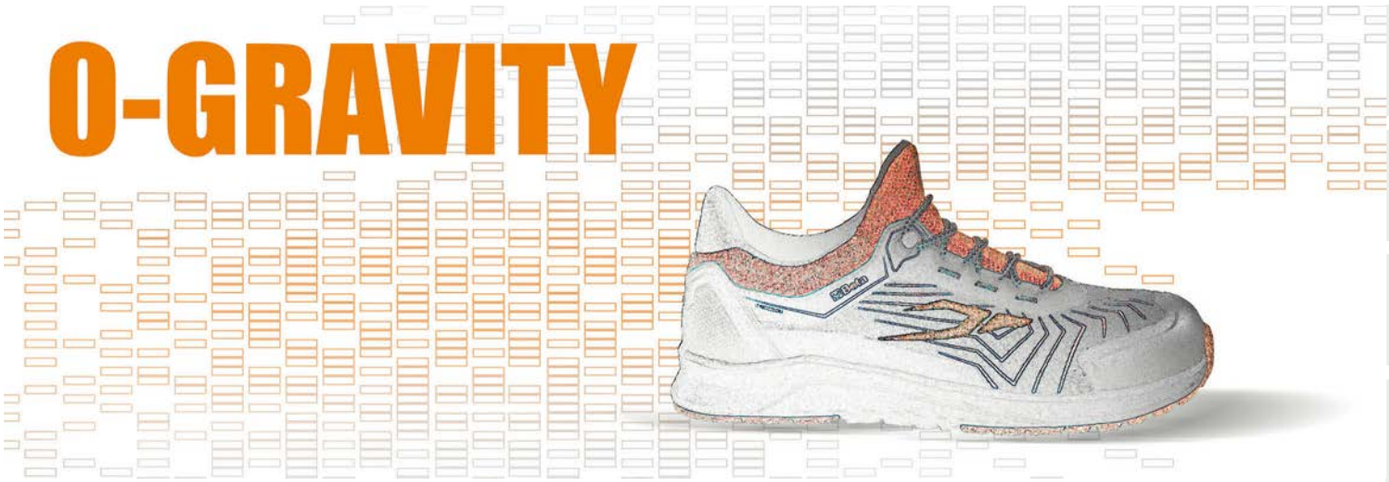
EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 073230435 |
| 36 | 3,5 | 1 | 073230436 |
| 37 | 4,5 | 1 | 073230437 |
| 38 | 5 | 1 | 073230438 |
| 39 | 6 | 1 | 073230439 |
| 40 | 6,5 | 1 | 073230440 |
| 41 | 7 | 1 | 073230441 |
| 42 | 8 | 1 | 073230442 |
| 43 | 9 | 1 | 073230443 |
| 44 | 10 | 1 | 073230444 |
| 45 | 10,5 | 1 | 073230445 |
| 46 | 11 | 1 | 073230446 |
| 47 | 12 | 1 | 073230447 |
| 48 | 13 | 1 | 073230448 |

CE

S3 RS SRC

# O-GRAVITY



## 7352A

mesh fabric shoe, highly breathable, with TPU inserts
Heel stability support, stretch slip-on collar
and EVA outsole with durable nitrile rubber tread

- Composite toe cap
- Composite fibre penetration-proof insole
- REMARKABLY LIGHTWEIGHT: approximate weight, size 42: 450 g

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073520038 |
| 39 | 6 | 1 | 073520039 |
| 40 | 6,5 | 1 | 073520040 |
| 41 | 7 | 1 | 073520041 |
| 42 | 8 | 1 | 073520042 |
| 43 | 9 | 1 | 073520043 |
| 44 | 10 | 1 | 073520044 |
| 45 | 10,5 | 1 | 073520045 |
| 46 | 11 | 1 | 073520046 |
| 47 | 12 | 1 | 073520047 |
| 48 | 13 | 1 | 073520048 |

CE

S1P HRO SRC

## 7352B

mesh fabric shoe, highly breathable, with TPU inserts
Heel stability support, stretch slip-on collar
and EVA outsole with durable nitrile rubber tread

- Composite toe cap• Composite fibre penetration-proof insole• REMARKABLY LIGHTWEIGHT: approximate weight, size 42: 450 g

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073520138 |
| 39 | 6 | 1 | 073520139 |
| 40 | 6,5 | 1 | 073520140 |
| 41 | 7 | 1 | 073520141 |
| 42 | 8 | 1 | 073520142 |
| 43 | 9 | 1 | 073520143 |
| 44 | 10 | 1 | 073520144 |
| 45 | 10,5 | 1 | 073520145 |
| 46 | 11 | 1 | 073520146 |
| 47 | 12 | 1 | 073520147 |
| 48 | 13 | 1 | 073520148 |

CE

S1P HRO SRC

## 7352G

mesh fabric shoe, highly breathable, with TPU inserts
Heel stability support, traditional lacing, wide fit.
EVA outsole with durable nitrile rubber tread

- Composite toe cap
- Composite fibre penetration proof insole
- REMARKABLY LIGHTWEIGHT: approximate weight for size 42: 450 grams

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073520338 |
| 39 | 6 | 1 | 073520339 |
| 40 | 6,5 | 1 | 073520340 |
| 41 | 7 | 1 | 073520341 |
| 42 | 8 | 1 | 073520342 |
| 43 | 9 | 1 | 073520343 |
| 44 | 10 | 1 | 073520344 |
| 45 | 10,5 | 1 | 073520345 |
| 46 | 11 | 1 | 073520346 |
| 47 | 12 | 1 | 073520347 |
| 48 | 13 | 1 | 073520348 |

CE

S1P HRO SRC ESD

EN ISO 20345 2011

## 7352LG

women's mesh fabric shoe, highly breathable, with TPU inserts
High-visibility reflective mesh upper
Heel stability support, stretch slip-on collar
and EVA outsole with durable nitrile rubber tread

- Fibreglass toe cap
- Composite fibre penetration proof insole
- REMARKABLY LIGHTWEIGHT: approximate weight for size 38: 390 grams

| EU | UK | | |
|---|---|---|---|
| 34 | 2 | 1 | 073520234 |
| 35 | 2,5 | 1 | 073520235 |
| 36 | 3,5 | 1 | 073520236 |
| 37 | 4,5 | 1 | 073520237 |
| 38 | 5 | 1 | 073520238 |
| 39 | 6 | 1 | 073520239 |
| 40 | 6,5 | 1 | 073520240 |
| 41 | 7 | 1 | 073520241 |
| 42 | 8 | 1 | 073520242 |

CE

S1P HRO SRC

EN ISO 20345 2011

## 7353Y

mesh fabric shoe, highly breathable, with TPU inserts
High-visibility reflective mesh upper
Heel stability support, stretch slip-on collar and EVA outsole
with durable nitrile rubber tread

• Carbon fibre toe cap• Composite fibre penetration-proof insole• REMARKABLY LIGHTWEIGHT: approximate weight, size 42: 420 g

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073530038 |
| 39 | 6 | 1 | 073530039 |
| 40 | 6,5 | 1 | 073530040 |
| 41 | 7 | 1 | 073530041 |
| 42 | 8 | 1 | 073530042 |
| 43 | 9 | 1 | 073530043 |
| 44 | 10 | 1 | 073530044 |
| 45 | 10,5 | 1 | 073530045 |
| 46 | 11 | 1 | 073530046 |
| 47 | 12 | 1 | 073530047 |
| 48 | 13 | 1 | 073530048 |

CE

S1P HRO SRC

EN ISO 20345 2011

## 7354N

mesh fabric shoe, waterproof, with TPU inserts
Heel stability support, stretch slip-on collar and EVA outsole
with durable nitrile rubber tread

• Composite toe cap• Composite fibre penetration-proof insole• REMARKABLY LIGHTWEIGHT: approximate weight for size 42: 460 g

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073540038 |
| 39 | 6 | 1 | 073540039 |
| 40 | 6,5 | 1 | 073540040 |
| 41 | 7 | 1 | 073540041 |
| 42 | 8 | 1 | 073540042 |
| 43 | 9 | 1 | 073540043 |
| 44 | 10 | 1 | 073540044 |
| 45 | 10,5 | 1 | 073540045 |
| 46 | 11 | 1 | 073540046 |
| 47 | 12 | 1 | 073540047 |
| 48 | 13 | 1 | 073540048 |

CE

S3 HRO SRC

EN ISO 20345 2011

## 7355V

mesh fabric ankle shoe, waterproof, with TPU inserts
Heel stability support, stretch slip-on collar and EVA outsole with durable nitrile rubber tread

• Composite toe cap• Composite fibre penetration-proof insole• REMARKABLY LIGHTWEIGHT: approximate weight for size 42: 465 g

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073550038 |
| 39 | 6 | 1 | 073550039 |
| 40 | 6,5 | 1 | 073550040 |
| 41 | 7 | 1 | 073550041 |
| 42 | 8 | 1 | 073550042 |
| 43 | 9 | 1 | 073550043 |
| 44 | 10 | 1 | 073550044 |
| 45 | 10,5 | 1 | 073550045 |
| 46 | 11 | 1 | 073550046 |
| 47 | 12 | 1 | 073550047 |
| 48 | 13 | 1 | 073550048 |

CE S3 HRO SRC

## 7356G

microfibre shoe, water-repellent, with TPU inserts
Heel stability support, stretch slip-on collar
and EVA sole with durable nitrile rubber tread

• Composite toe cap
• Composite fibre penetration proof insole
• REMARKABLY LIGHTWEIGHT: approximate weight for size 42: 460 grams

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073560038 |
| 39 | 6 | 1 | 073560039 |
| 40 | 6,5 | 1 | 073560040 |
| 41 | 7 | 1 | 073560041 |
| 42 | 8 | 1 | 073560042 |
| 43 | 9 | 1 | 073560043 |
| 44 | 10 | 1 | 073560044 |
| 45 | 10,5 | 1 | 073560045 |
| 46 | 11 | 1 | 073560046 |
| 47 | 12 | 1 | 073560047 |
| 48 | 13 | 1 | 073560048 |

CE S3 HRO SRC

## 7356V

microfibre shoe, water-repellent, with TPU inserts
Heel stability support, stretch slip-on collar
and EVA outsole with durable nitrile rubber tread

• Composite toe cap
• Composite fibre penetration proof insole
• REMARKABLY LIGHTWEIGHT: approximate weight for size 42: 460 grams

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073560138 |
| 39 | 6 | 1 | 073560139 |
| 40 | 6,5 | 1 | 073560140 |
| 41 | 7 | 1 | 073560141 |
| 42 | 8 | 1 | 073560142 |
| 43 | 9 | 1 | 073560143 |
| 44 | 10 | 1 | 073560144 |
| 45 | 10,5 | 1 | 073560145 |
| 46 | 11 | 1 | 073560146 |
| 47 | 12 | 1 | 073560147 |
| 48 | 13 | 1 | 073560148 |

CE S3 HRO SRC

## 7356LN

women's microfibre shoe, water-repellent, with TPU inserts
Heel stability support, stretch slip-on collar
and EVA outsole with durable nitrile rubber tread

• Fibreglass toe cap
• Composite fibre penetration proof insole
• REMARKABLY LIGHTWEIGHT: approximate weight for size 38: 400 grams

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 34 | 2 | 1 | 073560234 |
| 35 | 2,5 | 1 | 073560235 |
| 36 | 3,5 | 1 | 073560236 |
| 37 | 4,5 | 1 | 073560237 |
| 38 | 5 | 1 | 073560238 |
| 39 | 6 | 1 | 073560239 |
| 40 | 6,5 | 1 | 073560240 |
| 41 | 7 | 1 | 073560241 |
| 42 | 8 | 1 | 073560242 |

CE S3 HRO SRC

## 7357G

microfibre ankle shoe, water-repellent, with TPU inserts
Heel stability support, stretch slip-on collar and EVA sole with durable nitrile rubber tread

- Composite toe cap
- Composite fibre penetration proof insole
- REMARKABLY LIGHTWEIGHT: approximate weight for size 42: 480 grams

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073570038 |
| 39 | 6 | 1 | 073570039 |
| 40 | 6,5 | 1 | 073570040 |
| 41 | 7 | 1 | 073570041 |
| 42 | 8 | 1 | 073570042 |
| 43 | 9 | 1 | 073570043 |
| 44 | 10 | 1 | 073570044 |
| 45 | 10,5 | 1 | 073570045 |
| 46 | 11 | 1 | 073570046 |
| 47 | 12 | 1 | 073570047 |
| 48 | 13 | 1 | 073570048 |

CE S3 HRO SRC

## 7357V

microfibre ankle shoe, water-repellent, with TPU inserts
Heel stability support, stretch-slip on collar and EVA outsole with durable nitrile rubber tread

- Composite toe cap
- Composite fibre penetration proof insole
- REMARKABLY LIGHTWEIGHT: approximate weight for size 42: 480 grams

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073570138 |
| 39 | 6 | 1 | 073570139 |
| 40 | 6,5 | 1 | 073570140 |
| 41 | 7 | 1 | 073570141 |
| 42 | 8 | 1 | 073570142 |
| 43 | 9 | 1 | 073570143 |
| 44 | 10 | 1 | 073570144 |
| 45 | 10,5 | 1 | 073570145 |
| 46 | 11 | 1 | 073570146 |
| 47 | 12 | 1 | 073570147 |
| 48 | 13 | 1 | 073570148 |

CE S3 HRO SRC

## 7362B

occupational shoe, made of mesh fabric, highly breathable, with TPU inserts
Heel stability support, stretch slip-on collar and EVA sole with durable nitrile rubber tread

- Without toe cap
- Without penetration-proof insole
- REMARKABLY LIGHTWEIGHT: approximate weight for size 42: 330 grams

EN ISO 20347 2012

| EU | UK | | |
|---|---|---|---|
| 39 | 6 | 1 | 073620039 |
| 40 | 6,5 | 1 | 073620040 |
| 41 | 7 | 1 | 073620041 |
| 42 | 8 | 1 | 073620042 |
| 43 | 9 | 1 | 073620043 |
| 44 | 10 | 1 | 073620044 |
| 45 | 10,5 | 1 | 073620045 |
| 46 | 11 | 1 | 073620046 |
| 47 | 12 | 1 | 073620047 |
| 48 | 13 | 1 | 073620048 |

CE O1 FO HRO SRC

## 7363N

occupational shoe, made of mesh fabric, water-repellent, with TPU inserts
Heel stability support, stretch slip-on collar and EVA sole with durable nitrile rubber tread

- Without toe cap
- Without penetration-proof insole
- REMARKABLY LIGHTWEIGHT: approximate weight for size 42: 330 grams

EN ISO 20347 2012

| EU | UK | | |
|---|---|---|---|
| 39 | 6 | 1 | 073630039 |
| 40 | 6,5 | 1 | 073630040 |
| 41 | 7 | 1 | 073630041 |
| 42 | 8 | 1 | 073630042 |
| 43 | 9 | 1 | 073630043 |
| 44 | 10 | 1 | 073630044 |
| 45 | 10,5 | 1 | 073630045 |
| 46 | 11 | 1 | 073630046 |
| 47 | 12 | 1 | 073630047 |
| 48 | 13 | 1 | 073630048 |

CE O2 FO HRO SRC

# SNEAKERS PRO

## 7340B

mesh fabric shoe, highly breathable,
with high-frequency PU inserts and protective toe cap reinforcement made of crust suede.
Extremely lightweight - approximate weight, size 42: 470 g

- Aluminium toe cap
- Composite fibre penetration-proof insole
- FixLock closing makes it easier to put and remove the shoe (traditional laces included)

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 36 | 3,5 | 1 | 073400236 |
| 37 | 4,5 | 1 | 073400237 |
| 38 | 5 | 1 | 073400238 |
| 39 | 6 | 1 | 073400239 |
| 40 | 6,5 | 1 | 073400240 |
| 41 | 7 | 1 | 073400241 |
| 42 | 8 | 1 | 073400242 |
| 43 | 9 | 1 | 073400243 |
| 44 | 10 | 1 | 073400244 |
| 45 | 10,5 | 1 | 073400245 |
| 46 | 11 | 1 | 073400246 |
| 47 | 12 | 1 | 073400247 |

CE S1P SRC

## 7340R

mesh fabric shoe, highly breathable,
with high-frequency PU inserts and protective toe cap reinforcement made of crust suede.
Extremely lightweight - approximate weight, size 42: 470 g

- Aluminium toe cap
- Composite fibre penetration-proof insole
- FixLock closing makes it easier to put and remove the shoe (traditional laces included)

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 36 | 3,5 | 1 | 073400436 |
| 37 | 4,5 | 1 | 073400437 |
| 38 | 5 | 1 | 073400438 |
| 39 | 6 | 1 | 073400439 |
| 40 | 6,5 | 1 | 073400440 |
| 41 | 7 | 1 | 073400441 |
| 42 | 8 | 1 | 073400442 |
| 43 | 9 | 1 | 073400443 |
| 44 | 10 | 1 | 073400444 |
| 45 | 10,5 | 1 | 073400445 |
| 46 | 11 | 1 | 073400446 |
| 47 | 12 | 1 | 073400447 |

CE S1P SRC

## 7341N

microsuede shoe, waterproof,
with high-frequency PU inserts and protective toe cap reinforcement made of crust suede.
Extremely lightweight - approximate weight, size 42: 470 g

- Aluminium toe cap
- Composite fibre penetration-proof insole
- FixLock closing makes it easier to put and remove the shoe (traditional laces included)

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 36 | 3,5 | 1 | 073410236 |
| 37 | 4,5 | 1 | 073410237 |
| 38 | 5 | 1 | 073410238 |
| 39 | 6 | 1 | 073410239 |
| 40 | 6,5 | 1 | 073410240 |
| 41 | 7 | 1 | 073410241 |
| 42 | 8 | 1 | 073410242 |
| 43 | 9 | 1 | 073410243 |
| 44 | 10 | 1 | 073410244 |
| 45 | 10,5 | 1 | 073410245 |
| 46 | 11 | 1 | 073410246 |
| 47 | 12 | 1 | 073410247 |

CE S3 SRC

## 7349RP

shoe made of Nubuck crust leather, waterproof
with rubber outsole and soft PU ring

- Composite toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073490138 |
| 39 | 6 | 1 | 073490139 |
| 40 | 6,5 | 1 | 073490140 |
| 41 | 7 | 1 | 073490141 |
| 42 | 8 | 1 | 073490142 |
| 43 | 9 | 1 | 073490143 |
| 44 | 10 | 1 | 073490144 |
| 45 | 10,5 | 1 | 073490145 |
| 46 | 11 | 1 | 073490146 |
| 47 | 12 | 1 | 073490147 |

CE S3 HRO SRC

## 7350RP

ankle shoe made of Nubuck crust leather, waterproof
with rubber outsole and soft PU ring

- Composite toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073500138 |
| 39 | 6 | 1 | 073500139 |
| 40 | 6,5 | 1 | 073500140 |
| 41 | 7 | 1 | 073500141 |
| 42 | 8 | 1 | 073500142 |
| 43 | 9 | 1 | 073500143 |
| 44 | 10 | 1 | 073500144 |
| 45 | 10,5 | 1 | 073500145 |
| 46 | 11 | 1 | 073500146 |
| 47 | 12 | 1 | 073500147 |

CE S3 HRO SRC

# HEAVY DUTY

## 7293HM

greased full-grain leather shoe, water-repellent,
with high-performance VIBRAM® rubber tread, anti-abrasion insert on heel area
and reinforcement polyurethane toe cap cover

- Fibreglass toe cap
- Composite fibre penetration proof insole

Heritage

EN ISO 20345 2011

| EU | UK | | |
|---|---|---|---|
| 39 | 6 | 1 | 072930639 |
| 40 | 6,5 | 1 | 072930640 |
| 41 | 7 | 1 | 072930641 |
| 42 | 8 | 1 | 072930642 |
| 43 | 9 | 1 | 072930643 |
| 44 | 10 | 1 | 072930644 |
| 45 | 10,5 | 1 | 072930645 |
| 46 | 11 | 1 | 072930646 |
| 47 | 12 | 1 | 072930647 |
| 48 | 13 | 1 | 072930648 |

CE S3 HRO HI SRC

## 7293HN

Nubuck shoe, waterproof,
with SUPPORT SYSTEM for lateral ankle support
Durable rubber tread and PU toe cap
Wide body

- Steel toe cap
- Composite fibre penetration-proof insole

EN ISO 20345 2011

CE S3 HRO HI SRC

| E | U | | |
|---|---|---|---|
| **39** | 6 | 1 | 072930839 |
| **40** | 6,5 | 1 | 072930840 |
| **41** | 7 | 1 | 072930841 |
| **42** | 8 | 1 | 072930842 |
| **43** | 9 | 1 | 072930843 |
| **44** | 10 | 1 | 072930844 |
| **45** | 10,5 | 1 | 072930845 |
| **46** | 11 | 1 | 072930846 |
| **47** | 12 | 1 | 072930847 |

## 7294HM

greased full-grain leather ankle shoe, water-repellent,
with high-performance VIBRAM® rubber tread, anti-abrasion insert on heel area
and reinforcement polyurethane toe cap cover

- Fibreglass toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

CE S3 HRO HI SRC

| EU | UK | | |
|---|---|---|---|
| **39** | 6 | 1 | 072940639 |
| **40** | 6,5 | 1 | 072940640 |
| **41** | 7 | 1 | 072940641 |
| **42** | 8 | 1 | 072940642 |
| **43** | 9 | 1 | 072940643 |
| **44** | 10 | 1 | 072940644 |
| **45** | 10,5 | 1 | 072940645 |
| **46** | 11 | 1 | 072940646 |
| **47** | 12 | 1 | 072940647 |
| **48** | 13 | 1 | 072940648 |

## 7294HMC

greased full-grain leather ankle shoe, water-repellent,
with high-performance VIBRAM® rubber tread, anti-abrasion insert on heel area and reinforcement polyurethane toe cap cover.
With Tepor membrane, waterproof, windproof, highly breathable

- Fibreglass toe cap
- Composite fibre penetration proof insole

EN ISO 20345 2011

CE S3 HRO HI CI WR SRC

| EU | UK | | |
|---|---|---|---|
| **39** | 6 | 1 | 072940739 |
| **40** | 6,5 | 1 | 072940740 |
| **41** | 7 | 1 | 072940741 |
| **42** | 8 | 1 | 072940742 |
| **43** | 9 | 1 | 072940743 |
| **44** | 10 | 1 | 072940744 |
| **45** | 10,5 | 1 | 072940745 |
| **46** | 11 | 1 | 072940746 |
| **47** | 12 | 1 | 072940747 |
| **48** | 13 | 1 | 072940748 |

## 7294HN

Nubuck ankle shoe, waterproof, with SUPPORT SYSTEM for lateral ankle support and quick opening system
Durable rubber tread and PU toe cap
Wide body

- Steel toe cap
- Composite fibre penetration-proof insole

EN ISO 20345 2011

CE S3 HRO HI RS SRC

| EU | UK | | |
|---|---|---|---|
| **39** | 6 | 1 | 072940839 |
| **40** | 6,5 | 1 | 072940840 |
| **41** | 7 | 1 | 072940841 |
| **42** | 8 | 1 | 072940842 |
| **43** | 9 | 1 | 072940843 |
| **44** | 10 | 1 | 072940844 |
| **45** | 10,5 | 1 | 072940845 |
| **46** | 11 | 1 | 072940846 |
| **47** | 12 | 1 | 072940847 |

# ACCESSORIES

## 7398 O/G

anatomically shaped underfoot covers made of EVA foam, with cushioning heel pad (spare part recommended for 0-Gravity footwear range)

| EU | UK | | |
|---|---|---|---|
| 38 | 5 | 1 | 073981238 |
| 39 | 6 | 1 | 073981239 |
| 40 | 6,5 | 1 | 073981240 |
| 41 | 7 | 1 | 073981241 |
| 42 | 8 | 1 | 073981242 |
| 43 | 9 | 1 | 073981243 |
| 44 | 10 | 1 | 073981244 |
| 45 | 10,5 | 1 | 073981245 |
| 46 | 11 | 1 | 073981246 |
| 47 | 12 | 1 | 073981247 |
| 48 | 13 | 1 | 073981248 |

## 7398T

anatomically shaped underfoot covers WINTHERM insulation. 70% aluminized polyester, 30% polyethylene, bonded to non-woven synthetic fibres. Antistatic, breathable, rapidly absorbing, anti-odour, antibacterial, antifungicide.

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 073981335 |
| 36 | 3,5 | 1 | 073981336 |
| 37 | 4,5 | 1 | 073981337 |
| 38 | 5 | 1 | 073981338 |
| 39 | 6 | 1 | 073981339 |
| 40 | 6,5 | 1 | 073981340 |
| 41 | 7 | 1 | 073981341 |
| 42 | 8 | 1 | 073981342 |
| 43 | 9 | 1 | 073981343 |
| 44 | 10 | 1 | 073981344 |
| 45 | 10,5 | 1 | 073981345 |
| 46 | 11 | 1 | 073981346 |
| 47 | 12 | 1 | 073981347 |
| 48 | 13 | 1 | 073981348 |

## 7398U

anatomically shaped underfoot covers made of TPR GEL with high cushioning effect, plantar arch support and heel pad

| EU | UK | | |
|---|---|---|---|
| 36 - 40 | 3,5 - 6,5 | 1 | 073980058 |
| 41 - 46 | 7 - 11 | 1 | 073980063 |

## 7398UP

anatomically shaped underfoot covers made of citrus-fragrant TPE GEL, with plantar arch support

| EU | UK | | |
|---|---|---|---|
| 36 - 40 | 3,5 - 6 | 1 | 073980076 |
| 41 - 46 | 7 - 11 | 1 | 073980081 |

## 7398GEL

anatomically shaped underfoot covers with gel insets

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 073980835 |
| 36 | 3,5 | 1 | 073980836 |
| 37 | 4,5 | 1 | 073980837 |
| 38 | 5 | 1 | 073980838 |
| 39 | 6 | 1 | 073980839 |
| 40 | 6,5 | 1 | 073980840 |
| 41 | 7 | 1 | 073980841 |
| 42 | 8 | 1 | 073980842 |
| 43 | 9 | 1 | 073980843 |
| 44 | 10 | 1 | 073980844 |
| 45 | 10,5 | 1 | 073980845 |
| 46 | 11 | 1 | 073980846 |
| 47 | 12 | 1 | 073980847 |
| 48 | 13 | 1 | 073980848 |

## 7398EF

anatomically shaped underfoot covers made of polyurethane foam, with cushioning heel lift

| EU | UK | | |
|---|---|---|---|
| 35 | 2,5 | 1 | 073981135 |
| 36 | 3,5 | 1 | 073981136 |
| 37 | 4,5 | 1 | 073981137 |
| 38 | 5 | 1 | 073981138 |
| 39 | 6 | 1 | 073981139 |
| 40 | 6,5 | 1 | 073981140 |
| 41 | 7 | 1 | 073981141 |
| 42 | 8 | 1 | 073981142 |
| 43 | 9 | 1 | 073981143 |
| 44 | 10 | 1 | 073981144 |
| 45 | 10,5 | 1 | 073981145 |
| 46 | 11 | 1 | 073981146 |
| 47 | 12 | 1 | 073981147 |
| 48 | 13 | 1 | 073981148 |

## 7399 A/N...

pack of 10 pairs of laces

| cm | | |
|---|---|---|
| 100 | 1 | 073990010 |
| 120 | 1 | 073990012 |
| 140 | 1 | 073990017 |

## 7421

knee-length socks made from elastic compression terry, with nylon and cotton reinforcements on toe and heel areas Soles made from hard-wearing, antimycotic, breathable bamboo fibre

| | EU | | |
|---|---|---|---|
| M | 39-42 | 1 | 074210002 |
| L | 43-46 | 1 | 074210004 |

## 7423

elastic compression ankle-length socks with nylon and cotton reinforcements on toe and heel areas Soles made from hard-wearing, antimycotic, breathable bamboo fibre

| | EU | | |
|---|---|---|---|
| M | 39-42 | 1 | 074230002 |
| L | 43-46 | 1 | 074230004 |

## 7425

ankle-length socks with breathable texture inserts and nylon/cotton reinforcements on toe and heel areas Soles made from nylon woven with hard-wearing, antimycotic, breathable bamboo fibre

| | EU | | |
|---|---|---|---|
| M | 39-42 | 1 | 074250002 |
| L | 43-46 | 1 | 074250004 |

## 7427

maxi sneaker socks with protective, breathable inserts on shinbone and instep areas. Nylon and cotton reinforcements on toe and heel areas and soles made from hard-wearing, antimycotic, breathable fibre

| | EU | | |
|---|---|---|---|
| M | 39-42 | 1 | 074270002 |
| L | 43-46 | 1 | 074270004 |

## 7429

maxi sneaker socks with breathable texture inserts and nylon/cotton reinforcements on toe and heel areas Soles made from nylon woven with hard-wearing, antimycotic, breathable bamboo fibre

| | EU | | |
|---|---|---|---|
| M | 39-42 | 1 | 074290002 |
| L | 43-46 | 1 | 074290004 |

## 7431P

two pairs of sneaker socks with breathable texture inserts and nylon/cotton reinforcements on toe and heel areas

Soles made from nylon woven with hard-wearing, antimycotic, breathable bamboo fibre. One pair in black/orange colour and one pair in black/grey colour.

| | EU | | |
|---|---|---|---|
| M | 39-42 | 1 | 074310102 |
| L | 43-46 | 1 | 074310104 |

# WORKWEAR

## BetaWORK

Over the years the workwear line has gained confidence and popularity among the most demanding professionals.
The success of the product has translated into the ongoing development and expansion of the range.

The items of clothing produced by Beta Utensili S.p.a. comply with the following standard: **EN ISO 13688:2013**
Personal protective equipment protects the user from limited physical hazards, including small abrasions, sunbeams, wind, cold, non-harmful powders and dirt from nontoxic materials. Such protection is related to the first category of Italian Parliamentary Bill n°. 475 of 04/12/1992.

### USE AND STORAGE INSTRUCTIONS

The garment should be worn correctly, so that it can protect the user's body parts. It should be stored in a cool, dry place, in its original packaging, away from heat sources, sunlight, dust and adverse weather.

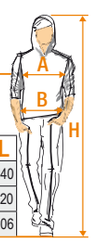
### PACKAGING

- WORKWEAR: hanging bag
- FREE TIME WEAR: non-hanging bag

### SHRINKAGE

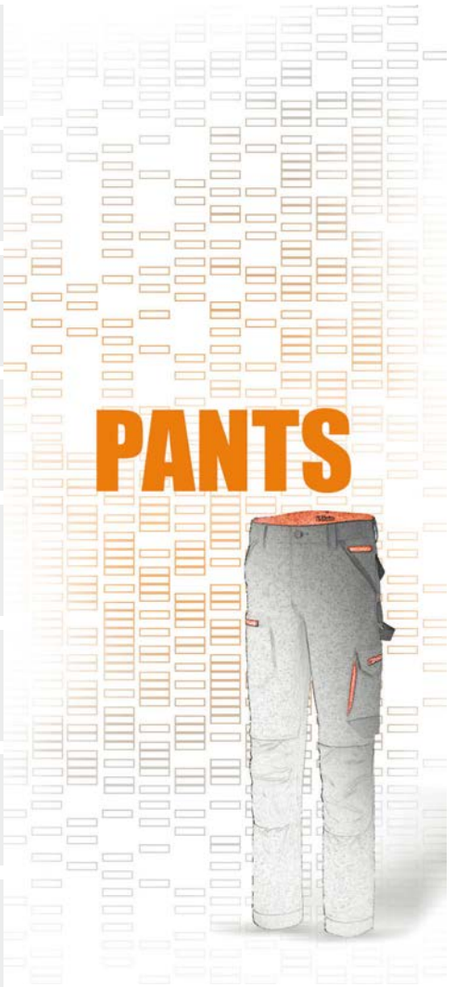
All natural fibres shrink after being washed.
The degree of shrinkage may range from 1% to 5%, depending on several parameters, which include the type of fibres and the temperature of water.

| | I | F | D | E | UK | USA |
|---|---|---|---|---|---|---|
| XS | 46 | 38 | 42 | 40 | 30 | 32 |
| S | 48 | 40 | 44 | 42 | 32 | 34 |
| M | 50 | 42 | 46 | 44 | 34 | 36 |
| L | 52 | 44 | 48 | 46 | 36 | 38 |
| XL | 54 | 46 | 50 | 48 | 38 | 40 |
| 2XL | 56 | 48 | 52 | 50 | 40 | 42 |
| 3XL | 58 | 50 | 54 | 52 | 42 | 44 |
| 4XL | 60 | 52 | 56 | 54 | 44 | 46 |




**EN ISO 13688:2013**

| | XS | S | M | L | XL | 2XL | 3XL | 4XL |
|---|---|---|---|---|---|---|---|---|
| A | 88-92 | 92-96 | 96-104 | 104-108 | 108-116 | 116-124 | 124-132 | 132-140 |
| B | 79-83 | 83-87 | 87-91 | 91-95 | 95-100 | 100-107 | 107-112 | 112-120 |
| H | 158-164 | 164-170 | 170-176 | 176-182 | 182-188 | 188-194 | 194-200 | 200-206 |




## 7525

prewashed stretch work jeans, 68% denim cotton, 29% polyester, 3% stretch fabric, 10 ounces

CE

| | | |
|---|---|---|
| XS | 1 | 075250046 |
| S | 1 | 075250048 |
| M | 1 | 075250050 |
| L | 1 | 075250052 |
| XL | 1 | 075250054 |
| XXL | 1 | 075250056 |
| XXXL | 1 | 075250058 |

## 7528

stretch work jeans trousers, 98% cotton, 2% stretch fabric, slim fit

CE

| | | |
|---|---|---|
| XS | 1 | 075280046 |
| S | 1 | 075280048 |
| M | 1 | 075280050 |
| L | 1 | 075280052 |
| XL | 1 | 075280054 |
| XXL | 1 | 075280056 |
| XXXL | 1 | 075280058 |

## 7650

stretch work trousers, multipocket style
90% nylon - 10% spandex, 260 g/m², anthracite grey
Knee pad pockets, rear pockets and leg bottoms reinforced in polyester 600D, tearproof crotch

CE

| | | |
|---|---|---|
| XS | 1 | 076500000 |
| S | 1 | 076500001 |
| M | 1 | 076500002 |
| L | 1 | 076500003 |
| XL | 1 | 076500004 |
| XXL | 1 | 076500005 |
| XXXL | 1 | 076500006 |

## 7650B

stretch work trousers, multipocket style,
90% nylon - 10% spandex, 260 g/m², blue
Knee pad pockets, rear pockets and leg bottoms reinforced in polyester 600D, tearproof crotch

CE

| | | |
|---|---|---|
| XS | 1 | 076500100 |
| S | 1 | 076500101 |
| M | 1 | 076500102 |
| L | 1 | 076500103 |
| XL | 1 | 076500104 |
| XXL | 1 | 076500105 |
| XXXL | 1 | 076500106 |

## 7660B

stretch work trousers, lightweight, multipocket style,
86% nylon - 14% spandex, 140 g/m², blue
Knee pad pockets, rear pockets reinforced in polyester 300D, tearproof crotch
Slim fit

CE

| | | |
|---|---|---|
| XS | 1 | 076600100 |
| S | 1 | 076600101 |
| M | 1 | 076600102 |
| L | 1 | 076600103 |
| XL | 1 | 076600104 |
| XXL | 1 | 076600105 |
| XXXL | 1 | 076600106 |

## 7660G

stretch work trousers, lightweight, multipocket style, 86% nylon - 14% spandex, 140 g/m², anthracite grey
Knee pad pockets, rear pockets reinforced in polyester 300D, tearproof crotch
Slim fit

| | | |
|---|---|---|
| XS | 1 | 076600000 |
| S | 1 | 076600001 |
| M | 1 | 076600002 |
| L | 1 | 076600003 |
| XL | 1 | 076600004 |
| XXL | 1 | 076600005 |
| XXXL | 1 | 076600006 |

## 4-WAY STRETCH

Fabrics marked with the 4-Way Stretch symbol stretch and regain their shapes both widthwise and lengthwise.
Based on this behaviour, they are extremely elastic and comfortable, to ensure the best fit and unparalleled comfort, thereby resulting in total freedom of movement in every situation.
Hence they mean the ideal choice for those who expect ultimate performance from workwear.

## 7810

"work trekking" trousers, multipocket style, HEAVY 90% nylon, 10% stretch fabric, 265 g/m², anthracite grey
Slim cut, ergonomic fit for ease of movement, bi-stretchable fabric for improved comfort.
Reinforced inserts on knees, crotch and leg bottom

| | | |
|---|---|---|
| S | 1 | 078100101 |
| M | 1 | 078100102 |
| L | 1 | 078100103 |
| XL | 1 | 078100104 |
| XXL | 1 | 078100105 |

## 7812

"work trekking" trousers, LIGHT, 95% nylon, 5% stretch fabric, 140 g/m², grey
Slim cut, ergonomic fit for ease of movement, bi-stretchable fabric for improved comfort, reinforced inserts on knees, crotch and leg bottom

| | | |
|---|---|---|
| S | 1 | 078120001 |
| M | 1 | 078120002 |
| L | 1 | 078120003 |
| XL | 1 | 078120004 |
| XXL | 1 | 078120005 |

## 7816BL

work trousers, multipocket style, T/C canvas, 260 g/m², blue
Knee pad pockets and leg bottoms reinforced in polyester 600D, tearproof crotch and stretch rear insert for easier movements

| | | |
|---|---|---|
| XS | 1 | 078160100 |
| S | 1 | 078160101 |
| M | 1 | 078160102 |
| L | 1 | 078160103 |
| XL | 1 | 078160104 |
| XXL | 1 | 078160105 |
| XXXL | 1 | 078160106 |

## 7816G

work trousers, multipocket style, in T/C canvas 260 g/m², grey
Knee pad pockets and leg bottoms reinforced in polyester 600D, tearproof crotch and elastic rear insert for easier movements

| | | |
|---|---|---|
| XS | 1 | 078160000 |
| S | 1 | 078160001 |
| M | 1 | 078160002 |
| L | 1 | 078160003 |
| XL | 1 | 078160004 |
| XXL | 1 | 078160005 |
| XXXL | 1 | 078160006 |

## 7817N

"work trekking" trousers, multipocket style, HEAVY,
90% nylon, 10% stretch fabric, 265 g/m², black
Slim cut, ergonomic fit for ease of movement and bi-stretch fabric for improved comfort.
Reinforced inserts on knees, crotch and leg bottom

| | | |
|---|---|---|
| S | 1 | 078170101 |
| M | 1 | 078170102 |
| L | 1 | 078170103 |
| XL | 1 | 078170104 |
| XXL | 1 | 078170105 |

## 7819B

"work trekking" trousers, LIGHT,
95% nylon, 5% stretch fabric, 140 g/m², blue
Slim cut, ergonomic fit for ease of movement and bi-stretch fabric for improved comfort.
Reinforced inserts on knees, crotch and leg bottom

| | | |
|---|---|---|
| S | 1 | 078190101 |
| M | 1 | 078190102 |
| L | 1 | 078190103 |
| XL | 1 | 078190104 |
| XXL | 1 | 078190105 |

## 7830ST

stretch work trousers,
T/C twill, 250 g/m², grey
Slim fit, tearproof crotch and stretch waistband on sides

| | | |
|---|---|---|
| XS | 1 | 078300000 |
| S | 1 | 078300001 |
| M | 1 | 078300002 |
| L | 1 | 078300003 |
| XL | 1 | 078300004 |
| XXL | 1 | 078300005 |
| XXXL | 1 | 078300006 |

## 7840BL

work trousers, T/C twill, 245 g/m², blue
Stretch waistband on sides

| | | |
|---|---|---|
| XS | 1 | 078400100 |
| S | 1 | 078400101 |
| M | 1 | 078400102 |
| L | 1 | 078400103 |
| XL | 1 | 078400104 |
| XXL | 1 | 078400105 |
| XXXL | 1 | 078400106 |
| XXXXL | 1 | 078400107 |

## 7860G

work trousers, lightweight,
in T/C twill, 180 g/m², with Oxford inserts, grey
New design - Improved fit

| | | |
|---|---|---|
| XS | 1 | 078600800 |
| S | 1 | 078600801 |
| M | 1 | 078600802 |
| L | 1 | 078600803 |
| XL | 1 | 078600804 |
| XXL | 1 | 078600805 |
| XXXL | 1 | 078600806 |
| XXXXL | 1 | 078600807 |

## 7880SC

stretch work trousers,
T/C canvas, 290 g/m², black
Slim fit, tearproof crotch and stretch waistband on sides

| | | |
|---|---|---|
| XS | 1 | 078800000 |
| S | 1 | 078800001 |
| M | 1 | 078800002 |
| L | 1 | 078800003 |
| XL | 1 | 078800004 |
| XXL | 1 | 078800005 |
| XXXL | 1 | 078800006 |

## 7900B

work trousers,
in T/C canvas, 260 g/m², with Oxford inserts,
blue

| | | |
|---|---|---|
| XS | 1 | 079000700 |
| S | 1 | 079000701 |
| M | 1 | 079000702 |
| L | 1 | 079000703 |
| XL | 1 | 079000704 |
| XXL | 1 | 079000705 |
| XXXL | 1 | 079000706 |
| XXXXL | 1 | 079000707 |

## 7900G

work trousers,
in T/C canvas, 260 g/m², with Oxford inserts,
grey
New design - Improved fit

| | | |
|---|---|---|
| XS | 1 | 079000800 |
| S | 1 | 079000801 |
| M | 1 | 079000802 |
| L | 1 | 079000803 |
| XL | 1 | 079000804 |
| XXL | 1 | 079000805 |
| XXXL | 1 | 079000806 |
| XXXXL | 1 | 079000807 |

## 7900P

work trousers,
in T/C canvas, 260 g/m², with Oxford inserts,
petrol blue

| | | |
|---|---|---|
| XS | 1 | 079000600 |
| S | 1 | 079000601 |
| M | 1 | 079000602 |
| L | 1 | 079000603 |
| XL | 1 | 079000604 |
| XXL | 1 | 079000605 |
| XXXL | 1 | 079000606 |
| XXXXL | 1 | 079000607 |

## 7900V

work trousers,
in T/C canvas, 260 g/m², with Oxford inserts,
green

| | | |
|---|---|---|
| XS | 1 | 079000500 |
| S | 1 | 079000501 |
| M | 1 | 079000502 |
| L | 1 | 079000503 |
| XL | 1 | 079000504 |
| XXL | 1 | 079000505 |
| XXXL | 1 | 079000506 |
| XXXXL | 1 | 079000507 |

## 7930G

work trousers,
97% cotton, 3% stretch fabric, 220 g/m²
Slim fit

| | | |
|---|---|---|
| XS | 1 | 079300300 |
| S | 1 | 079300301 |
| M | 1 | 079300302 |
| L | 1 | 079300303 |
| XL | 1 | 079300304 |
| XXL | 1 | 079300305 |
| XXXL | 1 | 079300306 |

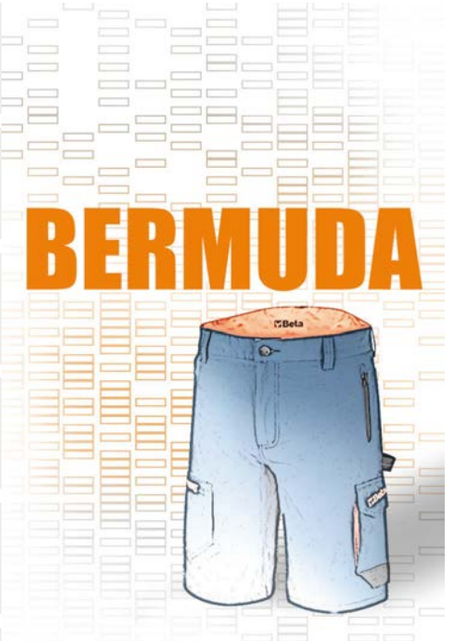
## 7940

multi-protection work trousers
T/C twill, 250 g/m², blue,
for protection from heat, flames, electric arc effects, welding hazards and chemicals.

DPI: III^ Categoria
EN ISO 11611:2015 - Classe 1
EN ISO 11612:2015 - A1 B1 C1
EN 1149-5:2018
EN13034:2005+A1:2009 - Type 6
IEC 61482-2:2018 - APC 1

| | | |
|---|---|---|
| XS | 1 | 079400000 |
| S | 1 | 079400001 |
| M | 1 | 079400002 |
| L | 1 | 079400003 |
| XL | 1 | 079400004 |
| XXL | 1 | 079400005 |
| XXXL | 1 | 079400006 |
| XXXXL | 1 | 079400007 |

# BERMUDA



## 7529

stretch work jeans bermuda shorts,
98% cotton, 2% stretch fabric,
slim fit

| | | |
|---|---|---|
| XS | 1 | 075290046 |
| S | 1 | 075290048 |
| M | 1 | 075290050 |
| L | 1 | 075290052 |
| XL | 1 | 075290054 |
| XXL | 1 | 075290056 |
| XXXL | 1 | 075290058 |

## 7661B

stretch work Bermuda shorts,
lightweight, multipocket style,
86% nylon - 14% spandex, 140 g/m², blue
Rear pockets reinforced in
polyester 300D, tearproof crotch
Slim fit

| | | |
|---|---|---|
| XS | 1 | 076610100 |
| S | 1 | 076610101 |
| M | 1 | 076610102 |
| L | 1 | 076610103 |
| XL | 1 | 076610104 |
| XXL | 1 | 076610105 |
| XXXL | 1 | 076610106 |

## 7661G

stretch work Bermuda shorts, lightweight,
multipocket style,
86% nylon - 14% spandex, 140 g/
m², anthracite grey
Rear pockets reinforced in
polyester 300D, tearproof crotch
Slim fit

| | | |
|---|---|---|
| XS | 1 | 076610000 |
| S | 1 | 076610001 |
| M | 1 | 076610002 |
| L | 1 | 076610003 |
| XL | 1 | 076610004 |
| XXL | 1 | 076610005 |
| XXXL | 1 | 076610006 |

## 7813

"work trekking" Bermuda shorts, LIGHT,
95% nylon, 5% stretch fabric, 140 g/m², grey
Slim cut, ergonomic fit for ease of movement,
bi-stretchable fabric for improved comfort

| | | |
|---|---|---|
| S | 1 | 078130001 |
| M | 1 | 078130002 |
| L | 1 | 078130003 |
| XL | 1 | 078130004 |
| XXL | 1 | 078130005 |

## 7831ST

stretch work Bermuda shorts,
T/C twill, 250 g/m², grey
Slim fit, tearproof crotch and stretch waistband
on sides

| | | |
|---|---|---|
| XS | 1 | 078310000 |
| S | 1 | 078310001 |
| M | 1 | 078310002 |
| L | 1 | 078310003 |
| XL | 1 | 078310004 |
| XXL | 1 | 078310005 |
| XXXL | 1 | 078310006 |

## 7861G

work Bermuda shorts, lightweight,
in T/C twill, 180 g/m², with Oxford inserts, grey
New design - Improved fit

| | | |
|---|---|---|
| XS | 1 | 078610800 |
| S | 1 | 078610801 |
| M | 1 | 078610802 |
| L | 1 | 078610803 |
| XL | 1 | 078610804 |
| XXL | 1 | 078610805 |
| XXXL | 1 | 078610806 |
| XXXXL | 1 | 078610807 |

## 7901G

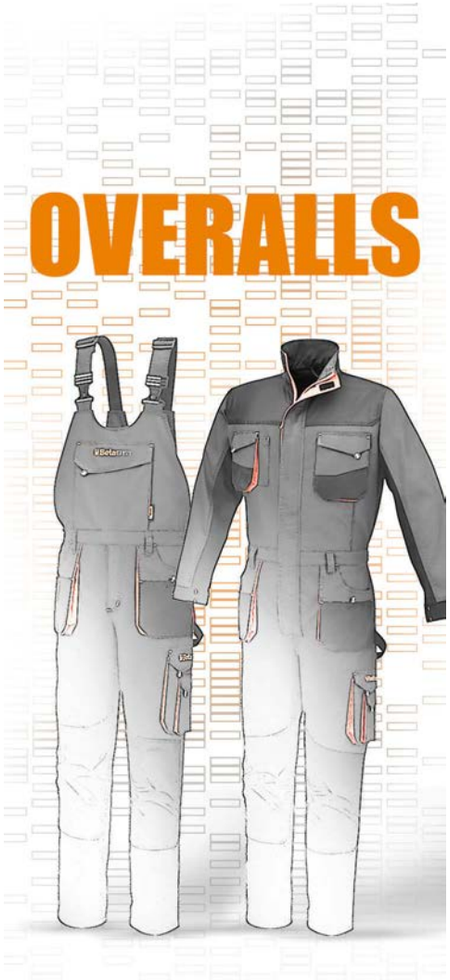
work Bermuda shorts,
in T/C canvas, 260 g/m², with Oxford inserts,
grey
New design - Improved fit

| | | |
|---|---|---|
| XS | 1 | 079010800 |
| S | 1 | 079010801 |
| M | 1 | 079010802 |
| L | 1 | 079010803 |
| XL | 1 | 079010804 |
| XXL | 1 | 079010805 |
| XXXL | 1 | 079010806 |
| XXXXL | 1 | 079010807 |

## 7931G

work Bermuda shorts,
100% stretch cotton, 220 g/m²
Slim fit

| | | |
|---|---|---|
| XS | 1 | 079310300 |
| S | 1 | 079310301 |
| M | 1 | 079310302 |
| L | 1 | 079310303 |
| XL | 1 | 079310304 |
| XXL | 1 | 079310305 |
| XXXL | 1 | 079310306 |




## 7863G

work bib and brace overalls, lightweight,
in T/C twill, 180 g/m², with Oxford inserts, grey
New design - Improved fit

| | | |
|---|---|---|
| XS | 1 | 078630800 |
| S | 1 | 078630801 |
| M | 1 | 078630802 |
| L | 1 | 078630803 |
| XL | 1 | 078630804 |
| XXL | 1 | 078630805 |
| XXXL | 1 | 078630806 |
| XXXXL | 1 | 078630807 |

## 7903G

work bib and brace overalls,
in T/C canvas, 260 g/m², with Oxford inserts, grey
New design - Improved fit

| | | |
|---|---|---|
| XS | 1 | 079030800 |
| S | 1 | 079030801 |
| M | 1 | 079030802 |
| L | 1 | 079030803 |
| XL | 1 | 079030804 |
| XXL | 1 | 079030805 |
| XXXL | 1 | 079030806 |
| XXXXL | 1 | 079030807 |

## 7903P

work bib and brace overalls,
in T/C canvas, 260 g/m², with Oxford inserts, petrol blue

| | | |
|---|---|---|
| XS | 1 | 079030600 |
| S | 1 | 079030601 |
| M | 1 | 079030602 |
| L | 1 | 079030603 |
| XL | 1 | 079030604 |
| XXL | 1 | 079030605 |
| XXXL | 1 | 079030606 |
| XXXXL | 1 | 079030607 |

## 7933G

work overalls,
100% stretch cotton, 220 g/m²
Slim fit

| | | |
|---|---|---|
| XS | 1 | 079330300 |
| S | 1 | 079330301 |
| M | 1 | 079330302 |
| L | 1 | 079330303 |
| XL | 1 | 079330304 |
| XXL | 1 | 079330305 |
| XXXL | 1 | 079330306 |

## 7865G

work overalls, lightweight,
in T/C twill, 180 g/m², with Oxford inserts, grey
New design - Improved fit

| | | |
|---|---|---|
| XS | 1 | 078650800 |
| S | 1 | 078650801 |
| M | 1 | 078650802 |
| L | 1 | 078650803 |
| XL | 1 | 078650804 |
| XXL | 1 | 078650805 |
| XXXL | 1 | 078650806 |
| XXXXL | 1 | 078650807 |

## 7905G

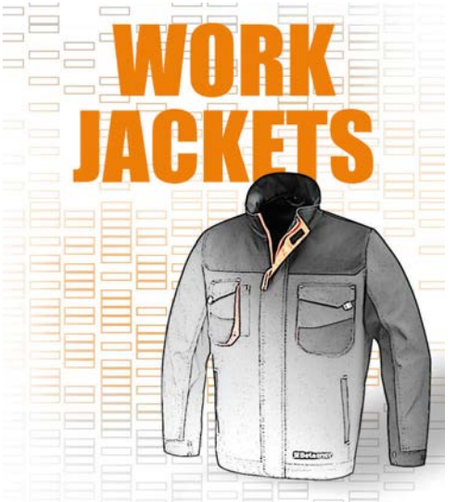
work overalls
in T/C canvas, 260 g/m², with Oxford inserts, grey
New design - Improved fit

| | | |
|---|---|---|
| XS | 1 | 079050800 |
| S | 1 | 079050801 |
| M | 1 | 079050802 |
| L | 1 | 079050803 |
| XL | 1 | 079050804 |
| XXL | 1 | 079050805 |
| XXXL | 1 | 079050806 |
| XXXXL | 1 | 079050807 |

## 7935G

work overalls,
100% stretch cotton, 220 g/m²
Slim fit

| | | |
|---|---|---|
| XS | 1 | 079350300 |
| S | 1 | 079350301 |
| M | 1 | 079350302 |
| L | 1 | 079350303 |
| XL | 1 | 079350304 |
| XXL | 1 | 079350305 |
| XXXL | 1 | 079350306 |




## 7849BL

work jacket, T/C twill, 245 g/m², blue
Stretch waistband

| | | |
|---|---|---|
| XS | 1 | 078490100 |
| S | 1 | 078490101 |
| M | 1 | 078490102 |
| L | 1 | 078490103 |
| XL | 1 | 078490104 |
| XXL | 1 | 078490105 |
| XXXL | 1 | 078490106 |
| XXXXL | 1 | 078490107 |

## 7869G

work jacket, lightweight,
in T/C twill, 180 g/m², with Oxford inserts, grey
New design - Improved fit

| | | |
|---|---|---|
| XS | 1 | 078690800 |
| S | 1 | 078690801 |
| M | 1 | 078690802 |
| L | 1 | 078690803 |
| XL | 1 | 078690804 |
| XXL | 1 | 078690805 |
| XXXL | 1 | 078690806 |
| XXXXL | 1 | 078690807 |

## 7909B

work jacket,
in T/C canvas, 260 g/m², with Oxford inserts, blue

| | | |
|---|---|---|
| XS | 1 | 079090700 |
| S | 1 | 079090701 |
| M | 1 | 079090702 |
| L | 1 | 079090703 |
| XL | 1 | 079090704 |
| XXL | 1 | 079090705 |
| XXXL | 1 | 079090706 |
| XXXXL | 1 | 079090707 |

## 7909G

work jacket,
in T/C canvas, 260 g/m², with Oxford inserts, grey
New design - Improved fit

| | | |
|---|---|---|
| XS | 1 | 079090800 |
| S | 1 | 079090801 |
| M | 1 | 079090802 |
| L | 1 | 079090803 |
| XL | 1 | 079090804 |
| XXL | 1 | 079090805 |
| XXXL | 1 | 079090806 |
| XXXXL | 1 | 079090807 |

## 7909P

work jacket,
in T/C canvas, 260 g/m², with Oxford inserts, petrol blue

| | | |
|---|---|---|
| XS | 1 | 079090600 |
| S | 1 | 079090601 |
| M | 1 | 079090602 |
| L | 1 | 079090603 |
| XL | 1 | 079090604 |
| XXL | 1 | 079090605 |
| XXXL | 1 | 079090606 |
| XXXXL | 1 | 079090607 |

## 7909V

work jacket,
in T/C canvas, 260 g/m², with Oxford inserts, green

| | | |
|---|---|---|
| XS | 1 | 079090500 |
| S | 1 | 079090501 |
| M | 1 | 079090502 |
| L | 1 | 079090503 |
| XL | 1 | 079090504 |
| XXL | 1 | 079090505 |
| XXXL | 1 | 079090506 |
| XXXXL | 1 | 079090507 |

## 7939G

work jacket,
100% stretch cotton, 220 g/m²
Slim fit

| | | |
|---|---|---|
| XS | 1 | 079390300 |
| S | 1 | 079390301 |
| M | 1 | 079390302 |
| L | 1 | 079390303 |
| XL | 1 | 079390304 |
| XXL | 1 | 079390305 |
| XXXL | 1 | 079390306 |

## 7949

multi-protection work jacket,
T/C twill 250 g/m², blue,
for protection from heat, flames, electric arc effects, welding hazards and chemicals.

DPI: III^ Categoria
EN ISO 11611:2015 - Classe 1
EN ISO 11612:2015 - A1 B1 C1
EN 1149-5:2018
EN13034:2005+A1:2009 - Type 6
IEC 61482-2:2018 - APC 1

7940

591

| | | |
|---|---|---|
| XS | 1 | 079490000 |
| S | 1 | 079490001 |
| M | 1 | 079490002 |
| L | 1 | 079490003 |
| XL | 1 | 079490004 |
| XXL | 1 | 079490005 |
| XXXL | 1 | 079490006 |
| XXXXL | 1 | 079490007 |

# SLEEVELESS JACKETS

## 7575N

sleeveless softshell jacket,
90% nylon, 10% stretch fabric, 250 g/m²

| | | |
|---|---|---|
| S | 1 | 075750301 |
| M | 1 | 075750302 |
| L | 1 | 075750303 |
| XL | 1 | 075750304 |
| XXL | 1 | 075750305 |
| XXXL | 1 | 075750306 |

## 7579T

sleeveless work jacket, multipocket style, made of waterproof 300D nylon, with stretch inserts for ease of movement, black
Polyester padding, 140 g/m²

| | | |
|---|---|---|
| S | 1 | 075790001 |
| M | 1 | 075790002 |
| L | 1 | 075790003 |
| XL | 1 | 075790004 |
| XXL | 1 | 075790005 |
| XXXL | 1 | 075790006 |

## 7673NG

sleeveless work
jacket with GRAPHENE padding, 80 g/m²,
front reinforced in softshell fabric -
96% polyester, 4% spandex; back made of 100% nylon 20D
anthracite grey (front), black (back)
Stretch insert on armhole
Antistatic, antibacterial, windproof

| | | |
|---|---|---|
| S | 1 | 076730001 |
| M | 1 | 076730002 |
| L | 1 | 076730003 |
| XL | 1 | 076730004 |
| XXL | 1 | 076730005 |
| XXXL | 1 | 076730006 |

## 7867G

sleeveless work jacket, lightweight,
in T/C twill, 180 g/m², with Oxford inserts, grey
New design - Improved fit

| | | |
|---|---|---|
| XS | 1 | 078670800 |
| S | 1 | 078670801 |
| M | 1 | 078670802 |
| L | 1 | 078670803 |
| XL | 1 | 078670804 |
| XXL | 1 | 078670805 |
| XXXL | 1 | 078670806 |
| XXXXL | 1 | 078670807 |

## 7907G

sleeveless work jacket,
in T/C canvas, 260 g/m², with Oxford inserts, grey
New design - Improved fit

CE BetaEASY

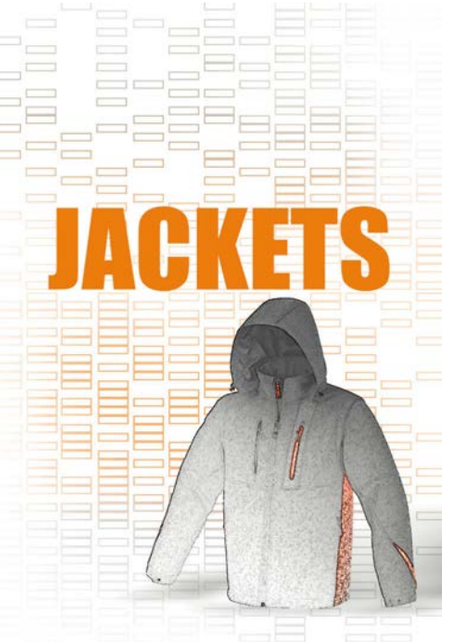
| | | |
|---|---|---|
| XS | 1 | 079070800 |
| S | 1 | 079070801 |
| M | 1 | 079070802 |
| L | 1 | 079070803 |
| XL | 1 | 079070804 |
| XXL | 1 | 079070805 |
| XXXL | 1 | 079070806 |
| XXXXL | 1 | 079070807 |

## 7907P

sleeveless work jacket,
in T/C canvas, 260 g/m², with Oxford inserts, petrol blue

CE BetaEASY

| | | |
|---|---|---|
| XS | 1 | 079070600 |
| S | 1 | 079070601 |
| M | 1 | 079070602 |
| L | 1 | 079070603 |
| XL | 1 | 079070604 |
| XXL | 1 | 079070605 |
| XXXL | 1 | 079070606 |
| XXXXL | 1 | 079070607 |




## 7658CM

softshell jacket,
94% polyester, 6% spandex, 290 g/m², camouflage grey
With waterproof, windproof, breathable TPU membrane
(resistance to water columns up to 8,000 mm - breathability 8,000 mvp)

| | | |
|---|---|---|
| S | 1 | 076580101 |
| M | 1 | 076580102 |
| L | 1 | 076580103 |
| XL | 1 | 076580104 |
| XXL | 1 | 076580105 |
| XXXL | 1 | 076580106 |

## 7658N

softshell jacket, 94% polyester, 6% spandex, 290 g/m², anthracite grey
With waterproof, windproof, breathable TPU membrane (resistance to water columns up to 8,000 mm - breathability 8,000 mvp)

| | | |
|---|---|---|
| S | 1 | 076580001 |
| M | 1 | 076580002 |
| L | 1 | 076580003 |
| XL | 1 | 076580004 |
| XXL | 1 | 076580005 |
| XXXL | 1 | 076580006 |

## 7659N

softshell jacket, 94% polyester, 6% spandex, 290 g/m², with detachable hood and sleeves, black With waterproof, windproof, breathable TPU membrane (resistance to water columns up to 8,000 mm - breathability 8,000 mvp)

| | | |
|---|---|---|
| S | 1 | 076590001 |
| M | 1 | 076590002 |
| L | 1 | 076590003 |
| XL | 1 | 076590004 |
| XXL | 1 | 076590005 |
| XXXL | 1 | 076590006 |

## 7669N

stretch work jacket, lightweight, multipocket style, 86% nylon, 14% spandex, 140 g-m2, black
With detachable sleeves and retractable hood.
Water-resistant, wind-stopping

| | | |
|---|---|---|
| XS | 1 | 076690000 |
| S | 1 | 076690001 |
| M | 1 | 076690002 |
| L | 1 | 076690003 |
| XL | 1 | 076690004 |
| XXL | 1 | 076690005 |
| XXXL | 1 | 076690006 |

## 4-WAY STRETCH

Fabrics marked with the 4-Way Stretch symbol stretch and regain their shapes both widthwise and lengthwise.
Based on this behaviour, they are extremely elastic and comfortable, to ensure the best fit and unparalleled comfort, thereby resulting in total freedom of movement in every situation.
Hence they mean the ideal choice for those who expect ultimate performance from workwear.

4-WAY STRETCH

## 7670G

Anorak jacket made of Oxford polyester 300D, waterproof, PU-coated, anthracite grey
With detachable hood and reinforced sleeves.
Waterproof, windproof and breathable (resistance to water columns up to 2,000 mm - breathability 2,000 mvp)
Polyester 210T lining, polyester padding, 120 g/m² body, 100 g/m² sleeves

| | | |
|---|---|---|
| S | 1 | 076700001 |
| M | 1 | 076700002 |
| L | 1 | 076700003 |
| XL | 1 | 076700004 |
| XXL | 1 | 076700005 |
| XXXL | 1 | 076700006 |

## 7674NG

work quilted jacket with GRAPHENE padding, 80 g/m²,
front and forearms reinforced in softshell fabric - 96% polyester, 4% spandex, back and sleeves made of 100% nylon 20D
anthracite grey (front), black (back)
stretch cuffs
Antistatic, antibacterial, windproof

| | | |
|---|---|---|
| S | 1 | 076740001 |
| M | 1 | 076740002 |
| L | 1 | 076740003 |
| XL | 1 | 076740004 |
| XXL | 1 | 076740005 |
| XXXL | 1 | 076740006 |

## 7780T

work bomber jacket, multipocket style, made from waterproof nylon 300D,
with stretch inserts for ease of movement,
black
Polyester padding, 160 g/m², detachable hood

| | | |
|---|---|---|
| S | 1 | 077800101 |
| M | 1 | 077800102 |
| L | 1 | 077800103 |
| XL | 1 | 077800104 |
| XXL | 1 | 077800105 |
| XXXL | 1 | 077800106 |

## 7904N

work bomber jacket, padded,
made of T/C canvas, 270 g/m², "Oxford" inserts, black
Polyester padding, 140 g/m²

| | | |
|---|---|---|
| XS | 1 | 079040800 |
| S | 1 | 079040801 |
| M | 1 | 079040802 |
| L | 1 | 079040803 |
| XL | 1 | 079040804 |
| XXL | 1 | 079040805 |
| XXXL | 1 | 079040806 |
| XXXXL | 1 | 079040807 |

## 7634B

technical sweatshirt, long-zipped, 325 g/m², blue
67% polyester, 28% rayon, 5% spandex
3D fabric for improved breathability and freedom of movement

| | | |
|---|---|---|
| XS | 1 | 076340200 |
| S | 1 | 076340201 |
| M | 1 | 076340202 |
| L | 1 | 076340203 |
| XL | 1 | 076340204 |
| XXL | 1 | 076340205 |
| XXXL | 1 | 076340206 |

## 7634G

technical sweatshirt, long-zipped, 325 g/m²
67% polyester, 28% rayon, 5% spandex
3D fabric for improved breathability and freedom of movement

| | | |
|---|---|---|
| XS | 1 | 076340100 |
| S | 1 | 076340101 |
| M | 1 | 076340102 |
| L | 1 | 076340103 |
| XL | 1 | 076340104 |
| XXL | 1 | 076340105 |
| XXXL | 1 | 076340106 |

## 7635N

microfleece sweater, short-zipped, 180 g/m²
black

| | | |
|---|---|---|
| XS | 1 | 076350500 |
| S | 1 | 076350501 |
| M | 1 | 076350502 |
| L | 1 | 076350503 |
| XL | 1 | 076350504 |
| XXL | 1 | 076350505 |
| XXXL | 1 | 076350506 |

## 7654B

stretch microfleece sweater, short-zipped, 180 g/m², blue
95% polyester, 5% spandex

| | | |
|---|---|---|
| XS | 1 | 076540100 |
| S | 1 | 076540101 |
| M | 1 | 076540102 |
| L | 1 | 076540103 |
| XL | 1 | 076540104 |
| XXL | 1 | 076540105 |
| XXXL | 1 | 076540106 |

## 7654N

stretch microfleece sweater, short-zipped, 180 g/m², black 95% polyester, 5% spandex

| | | |
|---|---|---|
| XS | 1 | 076540000 |
| S | 1 | 076540001 |
| M | 1 | 076540002 |
| L | 1 | 076540003 |
| XL | 1 | 076540004 |
| XXL | 1 | 076540005 |
| XXXL | 1 | 076540006 |

## 7657B

stretch fleece sweater, long-zipped, 280 g/m², blue
95% polyester, 5% spandex

| | | |
|---|---|---|
| XS | 1 | 076570100 |
| S | 1 | 076570101 |
| M | 1 | 076570102 |
| L | 1 | 076570103 |
| XL | 1 | 076570104 |
| XXL | 1 | 076570105 |
| XXXL | 1 | 076570106 |

## 7657N

stretch fleece sweater, long-zipped, 280 g/m², black
95% polyester, 5% spandex

| | | |
|---|---|---|
| XS | 1 | 076570000 |
| S | 1 | 076570001 |
| M | 1 | 076570002 |
| L | 1 | 076570003 |
| XL | 1 | 076570004 |
| XXL | 1 | 076570005 |
| XXXL | 1 | 076570006 |

## 7664G

sweatshirt, long-zipped, 280 g/m², grey
60% cotton, 40% polyester

| | | |
|---|---|---|
| XS | 1 | 076640100 |
| S | 1 | 076640101 |
| M | 1 | 076640102 |
| L | 1 | 076640103 |
| XL | 1 | 076640104 |
| XXL | 1 | 076640105 |
| XXXL | 1 | 076640106 |

## 7664N

sweatshirt, long-zipped, 280 g/m², black
60% cotton, 40% polyester

| | | |
|---|---|---|
| XS | 1 | 076640000 |
| S | 1 | 076640001 |
| M | 1 | 076640002 |
| L | 1 | 076640003 |
| XL | 1 | 076640004 |
| XXL | 1 | 076640005 |
| XXXL | 1 | 076640006 |

## 7665G

hoodie, long-zipped, 280 g/m², grey
60% cotton, 40% polyester

| | | |
|---|---|---|
| XS | 1 | 076650100 |
| S | 1 | 076650101 |
| M | 1 | 076650102 |
| L | 1 | 076650103 |
| XL | 1 | 076650104 |
| XXL | 1 | 076650105 |
| XXXL | 1 | 076650106 |

## 7665N

hoodie, long-zipped, 280 g/m², black
60% cotton, 40% polyester

| | | |
|---|---|---|
| XS | 1 | 076650000 |
| S | 1 | 076650001 |
| M | 1 | 076650002 |
| L | 1 | 076650003 |
| XL | 1 | 076650004 |
| XXL | 1 | 076650005 |
| XXXL | 1 | 076650006 |

# SHIRT & T-SHIRT

## 7547BL

three-button polo shirt,
100% cotton, 200 g/m², blue

| | | |
|---|---|---|
| XS | 2 | 075470200 |
| S | 2 | 075470201 |
| M | 2 | 075470202 |
| L | 2 | 075470203 |
| XL | 2 | 075470204 |
| XXL | 2 | 075470205 |
| XXXL | 2 | 075470206 |

## 7547G

three-button polo shirt,
100% cotton, 200 g/m², grey

| | | |
|---|---|---|
| XS | 2 | 075470300 |
| S | 2 | 075470301 |
| M | 2 | 075470302 |
| L | 2 | 075470303 |
| XL | 2 | 075470304 |
| XXL | 2 | 075470305 |
| XXXL | 2 | 075470306 |

## 7547N

three-button polo shirt,
100% cotton, 200 g/m², black

| | | |
|---|---|---|
| XS | 2 | 075470400 |
| S | 2 | 075470401 |
| M | 2 | 075470402 |
| L | 2 | 075470403 |
| XL | 2 | 075470404 |
| XXL | 2 | 075470405 |
| XXXL | 2 | 075470406 |

## 7549BL

work t-shirt, 100% cotton, 150 g/m², blue

| | | |
|---|---|---|
| XS | 5 | 075490200 |
| S | 5 | 075490201 |
| M | 5 | 075490202 |
| L | 5 | 075490203 |
| XL | 5 | 075490204 |
| XXL | 5 | 075490205 |
| XXXL | 5 | 075490206 |

## 7549G

work t-shirt, 100% cotton, 150 g/m², grey

| | | |
|---|---|---|
| XS | 5 | 075490300 |
| S | 5 | 075490301 |
| M | 5 | 075490302 |
| L | 5 | 075490303 |
| XL | 5 | 075490304 |
| XXL | 5 | 075490305 |
| XXXL | 5 | 075490306 |

## 7549N

work t-shirt, 100% cotton, 150 g/m², black

| | | |
|---|---|---|
| XS | 5 | 075490400 |
| S | 5 | 075490401 |
| M | 5 | 075490402 |
| L | 5 | 075490403 |
| XL | 5 | 075490404 |
| XXL | 5 | 075490405 |
| XXXL | 5 | 075490406 |

## 7557BL

three-button polo shirt, long-sleeved,
100% cotton, 200 g/m², blue

| | | |
|---|---|---|
| XS | 1 | 075570200 |
| S | 1 | 075570201 |
| M | 1 | 075570202 |
| L | 1 | 075570203 |
| XL | 1 | 075570204 |
| XXL | 1 | 075570205 |
| XXXL | 1 | 075570206 |

# RAIN

## 7970

waterproof trousers in PVC Tricot, blue

CE

EN 343

| | | |
|---|---|---|
| XS | 1 | 079700000 |
| S | 1 | 079700001 |
| M | 1 | 079700002 |
| L | 1 | 079700003 |
| XL | 1 | 079700004 |
| XXL | 1 | 079700005 |
| XXXL | 1 | 079700006 |

Beta Quality Tools

## 7971L

waterproof trousers, made of PVC-coated polyester,
with thermo-taped seams, blue
With elastic waistband and adjustable press-stud leg bottom

CE

EN 343

| | | |
|---|---|---|
| XS | 1 | 079710100 |
| S | 1 | 079710101 |
| M | 1 | 079710102 |
| L | 1 | 079710103 |
| XL | 1 | 079710104 |
| XXL | 1 | 079710105 |
| XXXL | 1 | 079710106 |

## 7978L

waterproof full-length jacket, made of PVC-coated polyester, with fixed hood and thermo-taped seams, blue
Fitted with press studs for use as a 3/4 length jacket

CE

EN 343

| | | |
|---|---|---|
| XS | 1 | 079780100 |
| S | 1 | 079780101 |
| M | 1 | 079780102 |
| L | 1 | 079780103 |
| XL | 1 | 079780104 |
| XXL | 1 | 079780105 |
| XXXL | 1 | 079780106 |

## 7979

waterproof jacket in PVC Tricot, blue

CE

EN 343

| | | |
|---|---|---|
| S | 1 | 079790001 |
| M | 1 | 079790002 |
| L | 1 | 079790003 |
| XL | 1 | 079790004 |
| XXL | 1 | 079790005 |
| XXXL | 1 | 079790006 |

# UNDERWEAR

## 7996N

technical underwear set - technical undershirt, long-sleeved + technical underpants, 92% polyester, 8% spandex, 160 g/m², black

| | | |
|---|---|---|
| XS-S | 1 | 079960000 |
| M-L | 1 | 079960002 |
| XL-XXL | 1 | 079960004 |

# ACCESSORIES

## 7800G

work knee pads pair

| | | |
|---|---|---|
| 7800G | 1 | 078000500 |

## 7980N

rainproof cap
100% PU-coated polyester
with water-repellent treatment

| | | |
|---|---|---|
| L = Ø 58 cm | 1 | 079800058 |
| XL = Ø 60 cm | 1 | 079800060 |

## 7980NC

fleece winter cap, 100% polyester, reversible (double-faced), camouflage black

| | | |
|---|---|---|
| 7980NC | 10 | 079800112 |

## 7980R

cuffed winter cap, 100% acrylic, 3M Thinsulate™ padding, black

| | | |
|---|---|---|
| 7980R | 10 | 079800111 |

## 7984EG

stretch fabric work belt with satin-finished zinc metal hook buckle,
one size; length: 120 cm, can be shortened; width: 37 mm,
grey

| | | |
|---|---|---|
| 7984EG | 1 | 079840520 |

## 7984G

work belt, 100% TPE, with chrome-plated zinc metal buckle
one size fits all; length: 125 cm, can be shortened; width: 35 mm,
black

| | | |
|---|---|---|
| 7984G | 1 | 079840525 |

## 7985

neck warmer made of microfleece, with adjuster, black
can also be used as a cap

| | | |
|---|---|---|
| 7985 | 10 | 079850111 |

## 7104 90

plastic posts with fillable bases

| | H mm | | |
|---|---|---|---|
| 7104 90 | 90 | 4 | 071040004 |

## 7105 6

plastic barrier chain

| | Ø mm | L m | | |
|---|---|---|---|---|
| 7105 6 | 6 | 25 | 1 | 071050006 |

## 7109A

aluminium warning signs

| | H mm | | |
|---|---|---|---|
| 7109A1 | 140 | 1 | 071090001 |
| 7109A2 | 140 | 1 | 071090002 |
| 7109A3 | 140 | 1 | 071090003 |
| 7109A4 | 140 | 1 | 071090004 |

## 7109D

prohibition signs

| | H mm | | |
|---|---|---|---|
| 7109D1 | 115 | 1 | 071090051 |
| 7109D2 | 115 | 1 | 071090052 |
| 7109D3 | 115 | 1 | 071090053 |

## 7195A

dust mask

CE

| | | |
|---|---|---|
| 7195A | 10 | 071950004 |

## 7051MP

eye protector
with polycarbonate visor

CE

EN166

| | | |
|---|---|---|
| 7051MP | 5 | 070510001 |

## 7061TC

safety glasses with clear polycarbonate lenses

CE EASY

EN166:2001
EN170
2C-1.2 1F

| | | |
|---|---|---|
| 7061TC | 1 | 070610001 |

## 7076BC

safety glasses with clear polycarbonate lenses

CE SPORT

EN166:2001
EN172
5-1.7 1F

| | | |
|---|---|---|
| 7076BC | 1 | 070760009 |

## 7076BD

safety glasses with polycarbonate lenses

CE SPORT

EN166:2001
EN172
5-3.1 1F

| | | |
|---|---|---|
| 7076BD | 1 | 070760019 |

## 7076BP

safety glasses with polarized polycarbonate lenses

CE SPORT

EN ISO 12312-1:2013+A1:2015
EN 1836
3P

| | | |
|---|---|---|
| 7076BP | 1 | 070760029 |

## 7076BU

safety glasses with orange polycarbonate lenses

CE

EN ISO 12311:2013
UV 500

| | | |
|---|---|---|
| 7076BU | 1 | 070760039 |

## 7093BC

safety glasses with clear polycarbonate lenses

CE IMPACT

EN166:2001
EN170
2C-1.2 1F

| | | |
|---|---|---|
| 7093BC | 1 | 070930009 |

## 7093BD

safety glasses with dark polycarbonate lenses

CE IMPACT

EN166:2001
EN172
5-3.1 1F

| | | |
|---|---|---|
| 7093BD | 1 | 070930019 |

## C62M/W

mannequin

| | | |
|---|---|---|
| C62M/W | 1 | 062000360 |

## 6200M/B

spare glass bases for mannequins C62M/W

| | | |
|---|---|---|
| 6200M/B | 1 | 062000361 |

## C64

wall display for clothing and footwear, empty

| | | |
|---|---|---|
| 1 m | 1 | 064000021 |
| 2 m | 1 | 064000022 |
| 3 m | 1 | 064000023 |
| 4 m | 1 | 064000024 |

## C64G

"gondola" display for clothing and footwear, empty

| | | |
|---|---|---|
| 1 m | 1 | 064000051 |
| 2 m | 1 | 064000052 |

## C64CW

dressing room

| | | |
|---|---|---|
| C64CW | 1 | 064000610 |

## 6200AP/S10

set of 10 hangers

| | | |
|---|---|---|
| 6200AP/S10 | 1 | 062000331 |

## 6800BA

| | | |
|---|---|---|
| 6800BA | 1 | 068000130 |

## 6800RS

| | | |
|---|---|---|
| 6800RS | 1 | 068000135 |

## 6888GS

footwear hook for display C64

| | | |
|---|---|---|
| 6888GS | 2 | 068880122 |

170x120 mm

## 6888GW

hook for display C64

| | | |
|---|---|---|
| 6888GW | 2 | 068880121 |

400 mm

## 9562TB

mat for trying on shoes, with anti-skid, rubber-coated bottom

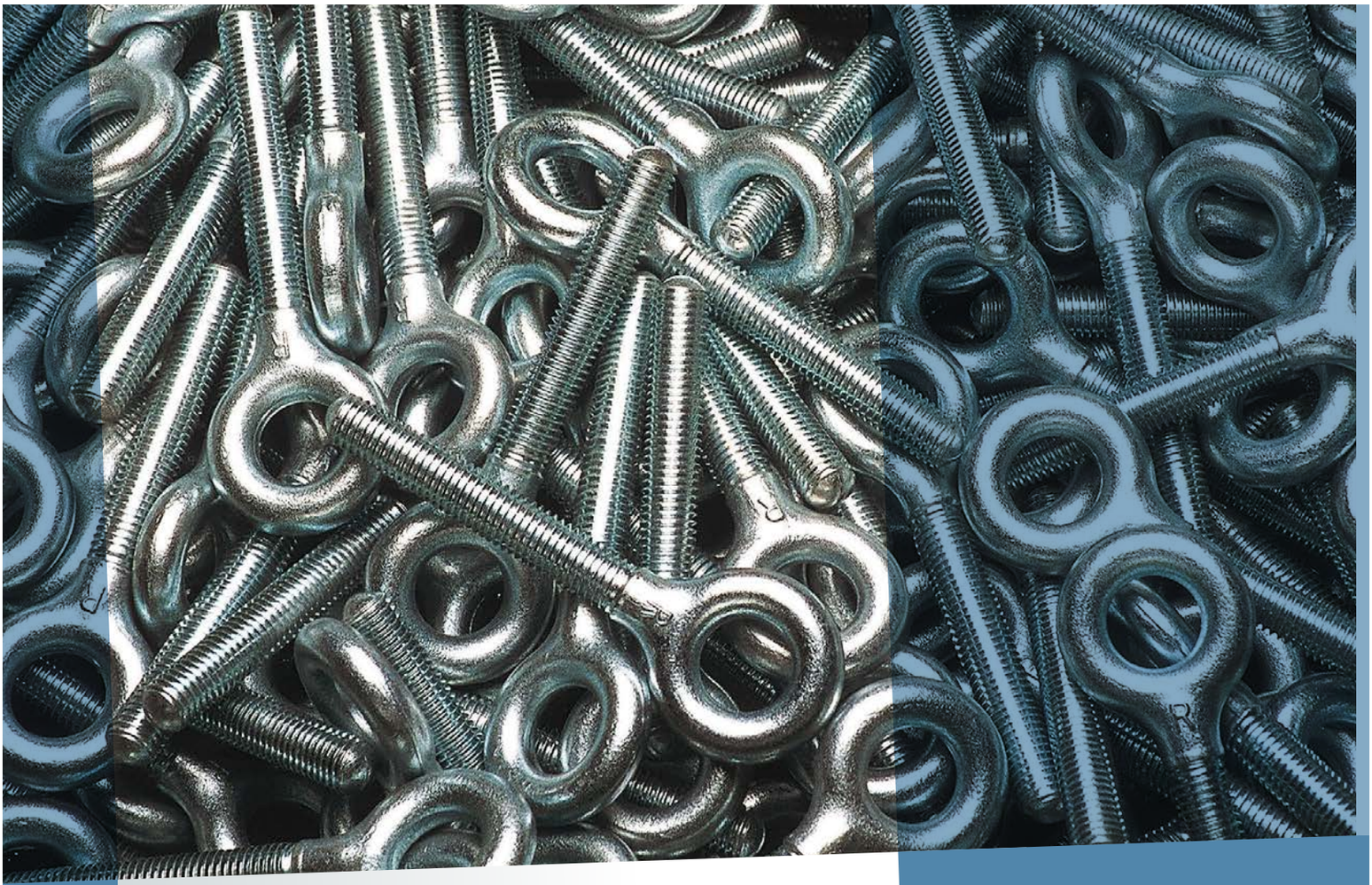
| | | |
|---|---|---|
| 9562TB | 1 | 095620500 |

## 9565S

sheet steel drum with seat made of removable imitation leather

| | | |
|---|---|---|
| 9565S | 2 | 095650300 |

h 60 cm - ø 38 cm



# Robur

Since 1930 Robur has been manufacturing accessory lines for cables according to the acknowledged quality standards of Beta Utensili, whose products are complementary to those of Robur.

Expertise, organization and technology are the key ingredients of ongoing growth resulting from awareness of market requirements.

Since 1984 Robur has been headquartered in a state-of-the-art production facility in Sulmona.

***Special free service boxes***

## MAXIMUM WORKING LOAD

**WLL:** working load limit (for lifting accessories)

**WFL:** workforce limit (for accessories other than lifting accessories)

**BF:** maximum force achieved by the itemduring the static traction test

**LC:** lashing capacity

## 8135

steel plate lifting clamps with articulated lifting eyes

new item 2022

CE

EN13155

**TECHNICAL DATA**
- Safety factor: 3
- Serial number identification plate

**AVAILABLE CERTIFICATES**
- Manufacturer's Certificate
- CE Declaration of Conformity
- Test report UNI EN10204 type 2.2
- Technical product specifications

| size | WLL t | A mm | kg | n.° of tools per box | code number |
|---|---|---|---|---|---|
| | 0,75 | 0-15 | 2 | 1 | 081350005 |
| | 1,0 | 0-20 | 5 | 1 | 081350010 |
| | 2,0 | 0-25 | 8 | 1 | 081350020 |
| | 3,0 | 0-30 | 15 | 1 | 081350032 |
| | 5,0 | 0-50 | 23 | 1 | 081350050 |

## 8105

eye and eye turnbuckles
high tensile steel, hot dip galvanized

CE

**TECHNICAL DATA**
- safety factor: 5
- heat treatment, body: normalizing
- heat treatment, eyes: hardening and tempering

**LABORATORY TESTS**
- chemical analysis
- tensile test
- proof load test 2 x WFL

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ØxE " | ≈ mm | WFL kg | | |
|---|---|---|---|---|
| **3/8x6** | M10x150 | 540 | 5 | 081050010 |
| **1/2x6** | M12x150 | 1000 | 5 | 081050011 |
| **1/2x9** | M12x230 | 1000 | 5 | 081050012 |
| **5/8x6** | M16x150 | 1590 | 2 | 081050014 |
| **5/8X12** | M16X300 | 1590 | 2 | 081050015 |
| **5/8x9** | M16x230 | 1590 | 2 | 081050016 |
| **3/4x6** | M20x150 | 2360 | 2 | 081050017 |
| **3/4x12** | M20x300 | 2360 | 2 | 081050018 |
| **3/4x9** | M20x230 | 2360 | 2 | 081050020 |
| **3/4x18** | M20x460 | 2360 | 2 | 081050021 |
| **7/8x12** | M22x300 | 3270 | 1 | 081050022 |
| **1x6** | M24x150 | 4540 | 1 | 081050024 |
| **1x12** | M24x300 | 4540 | 1 | 081050025 |
| **1.1/4x12** | M33x300 | 6900 | 1 | 081050031 |
| **1.1/4x18** | M33x460 | 6900 | 1 | 081050032 |
| **1.1/2x12** | M39x300 | 9710 | 1 | 081050034 |
| **1.1/2x18** | M39x460 | 9710 | 1 | 081050035 |
| **1.3/4x18** | M45x460 | 12700 | 1 | 081050036 |

**Other sizes available upon request**

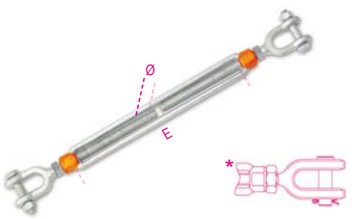
special free service boxes

| ØxE " | | | |
|---|---|---|---|
| **3/8x6** | 1 | 1 | 081059010 |
| **1/2x9** | 1 | 1 | 081059012 |

## 8109

jaw and jaw turnbuckles
high tensile steel, hot dip galvanized

CE




**TECHNICAL DATA**
- safety factor: 5
- heat treatment, body: normalizing
- heat treatment, jaws: hardening and tempering

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ØxE " | ≈ mm | WFL kg | | |
|---|---|---|---|---|
| **3/8x6** | M10x150 | 540 | 5 | 081090010 |
| **1/2x6** | M12X150 | 1000 | 5 | 081090011 |
| **1/2x9** | M12x230 | 1000 | 5 | 081090012 |
| **1/2x12** | M12x300 | 1000 | 5 | 081090013 |
| **5/8x6** | M16x150 | 1590 | 2 | 081090015 |
| **5/8x9** | M16x230 | 1590 | 2 | 081090016 |
| **5/8X12** | M16X300 | 1590 | 2 | 081090017 |
| **3/4x6** | M20x150 | 2360 | 2 | 081090018 |
| **3/4x9** | M20x230 | 2360 | 2 | 081090020 |
| **3/4x12** | M20x300 | 2360 | 2 | 081090019 |
| **3/4x18** | M20x460 | 2360 | 2 | 081090021 |
| **7/8x12** | M22x300 | 3270 | 1 | 081090022 |
| **7/8x18** | M22x460 | 3270 | 1 | 081090023 |
| **1x6** | M24x150 | 4540 | 1 | 081090024 |
| **1x12** | M24x300 | 4540 | 1 | 081090025 |
| **1x18** | M24x460 | 4540 | 1 | 081090026 |
| * **1.1/4x12** | M33x300 | 6900 | 1 | 081090031 |
| * **1.1/4x18** | M33x460 | 6900 | 1 | 081090032 |
| * **1.1/4x24** | M33x610 | 6900 | 1 | 081090033 |
| * **1.1/2X12** | M39x300 | 9710 | 1 | 081090034 |
| * **1.1/2x18** | M39x460 | 9710 | 1 | 081090038 |
| * **1.1/2x24** | M39x610 | 9710 | 1 | 081090039 |
| * **1.3/4X18** | M45x460 | 12700 | 1 | 081090036 |

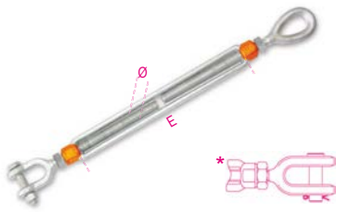
special free service boxes

| ØxE " | | | |
|---|---|---|---|
| **3/8x6** | 1 | 1 | 081099010 |
| **1/2x9** | 1 | 1 | 081099012 |

## 8110

eye and jaw turnbuckles, high-tensile steel,
hot dip galvanized

CE




**TECHNICAL DATA**
- safety factor: 5
- turnbuckle body treatment: normalizing
- turnbuckle eye treatment: hardening and tempering
- traceability code

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

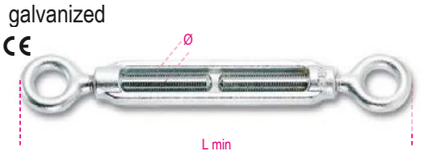
| ØxE " | ≈ mm | WFL kg | | |
|---|---|---|---|---|
| **1/2x6** | M12x150 | 1000 | 5 | 081100006 |
| **1/2x9** | M12x230 | 1000 | 5 | 081100010 |
| **5/8x6** | M16x150 | 1590 | 2 | 081100014 |
| **5/8x9** | M16X230 | 1590 | 2 | 081100015 |
| **5/8x12** | M16x300 | 1590 | 2 | 081100016 |
| **3/4x6** | M20x150 | 2360 | 2 | 081100019 |
| **3/4x9** | M20x230 | 2360 | 2 | 081100020 |
| **3/4x12** | M20x300 | 2360 | 2 | 081100021 |
| **7/8X12** | M22x300 | 3270 | 1 | 081100022 |
| **1x6** | M24x150 | 4540 | 1 | 081100027 |
| **1x12** | M24x300 | 4540 | 1 | 081100029 |
| ***1.1/4x12** | M33x300 | 6900 | 1 | 081100034 |
| ***1.1/2x12** | M39x300 | 9710 | 1 | 081100038 |
| ***1.1/2x18** | M39x460 | 9710 | 1 | 081100039 |
| ***1.3/4x18** | M45x460 | 12700 | 1 | 081100044 |

*** Jaw with through pin and split pin**

## 8005Z

eye and eye turnbuckles,
galvanized

CE




**TECHNICAL DATA**
- safety factor: 4

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Declaration of Conformity

| Ø mm | ≈ " | L min mm | WFL kg | | |
|---|---|---|---|---|---|
| **M5** | 3/16 | 118 | 115 | 400 | 080050105 |
| **M6** | 1/4 | 130 | 160 | 300 | 080050106 |
| **M8** | 5/16 | 158 | 300 | 200 | 080050108 |
| **M10** | 3/8 | 192 | 470 | 100 | 080050110 |
| **M11** | 7/16 | 206 | 580 | 80 | 080050111 |
| **M12** | 1/2 | 226 | 690 | 60 | 080050112 |
| **M14** | 9/16 | 256 | 940 | 15 | 080050114 |
| **M16** | 5/8 | 290 | 1290 | 10 | 080050116 |
| **M18** | 11/16 | 358 | 1660 | 1 | 080050118 |
| **M20** | 3/4 | 358 | 2130 | 1 | 080050120 |
| **M22** | 7/8 | 400 | 2630 | 1 | 080050122 |
| **M24** | 1" | 436 | 3060 | 1 | 080050124 |
| **M27** | 1"1/8 | 474 | 4000 | 1 | 080050125 |
| **M30** | 1"3/16 | 498 | 4860 | 1 | 080050130 |
| **M33** | 1"1/4 | 516 | 6040 | 1 | 080050126 |
| **M36** | 1"3/8 | 532 | 6500 | 1 | 080050136 |
| **M39** | 1"1/2 | 544 | 7900 | 1 | 080050139 |

**Whitworth thread subject to availability**
**New batches with metric thread**

special packaging

| Ø mm | " | | | |
|---|---|---|---|---|
| M5 | 3/16 | 30 | 1 | 080050705 |
| M6 | 1/4 | 30 | 1 | 080050706 |
| M8 | 5/16 | 20 | 1 | 080050708 |
| M10 | 3/8 | 15 | 1 | 080050710 |
| M11 | 7/16 | 15 | 1 | 080050711 |
| M12 | 1/2 | 15 | 1 | 080050712 |

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M5 | 2 | 1 | 080059305 |
| M6 | 2 | 1 | 080059306 |
| M8 | 1 | 1 | 080059108 |
| M10 | 1 | 1 | 080059110 |
| M11 | 1 | 1 | 080059111 |
| M12 | 1 | 1 | 080059112 |
| M14 | 1 | 1 | 080059114 |
| M16 | 1 | 1 | 080059116 |

## 8005TZ

hot-forged eye and eye turnbuckles
pipe bodies,galvanized

**TECHNICAL DATA**
- **safety factor: 4**

**LABORATORY TESTS**
- **chemical analysis**
- **tensile test**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**
- **CE Declaration of Conformity**

| Ø mm | ≈ " | WFL kg | | |
|---|---|---|---|---|
| M12 | 1/2 | 690 | 15 | 080050512 |
| M16 | 5/8 | 1290 | 1 | 080050516 |
| M20 | 3/4 | 2130 | 1 | 080050520 |
| M24 | 1" | 3060 | 1 | 080050524 |
| M27 | 1.1/8 | 4000 | 1 | 080050527 |
| M30 | 1.3/16 | 4860 | 1 | 080050530 |
| M36 | 1.3/8 | 6500 | 1 | 080050536 |

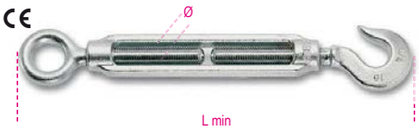
special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M12 | 1 | 1 | 080059512 |

Robur

## 8006Z

hook and eye turnbuckles,
galvanized




**TECHNICAL DATA**
- **safety factor: 4**

**LABORATORY TESTS**
- **chemical analysis**
- **tensile test**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**
- **CE Declaration of Conformity**

| Ø mm | ≈ " | L min mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 3/16 | 121 | 25 | 400 | 080060105 |
| M6 | 1/4 | 132 | 45 | 250 | 080060106 |
| M8 | 5/16 | 170 | 95 | 180 | 080060108 |
| M10 | 3/8 | 204 | 140 | 100 | 080060110 |
| M11 | 7/16 | 221 | 165 | 15 | 080060111 |
| M12 | 1/2 | 244 | 300 | 15 | 080060112 |
| M14 | 9/16 | 284 | 420 | 10 | 080060114 |
| M16 | 5/8 | 322 | 570 | 1 | 080060116 |
| M18 | 11/16 | 373 | 700 | 1 | 080060118 |
| M20 | 3/4 | 391 | 900 | 1 | 080060120 |
| M22 | 7/8 | 433 | 1100 | 1 | 080060122 |
| M24 | 1" | 470 | 1300 | 1 | 080060124 |
| M27 | 1"1/8 | 503 | 2300 | 1 | 080060127 |

special packaging

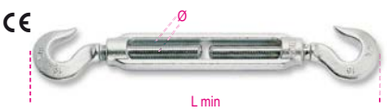
| Ø mm | ≈ " | | | |
|---|---|---|---|---|
| M5 | 3/16 | 30 | 1 | 080060705 |
| M6 | 1/4 | 30 | 1 | 080060706 |
| M8 | 5/16 | 20 | 1 | 080060708 |
| M10 | 3/8 | 15 | 1 | 080060710 |

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M5 | 2 | 1 | 080069305 |
| M6 | 2 | 1 | 080069306 |
| M8 | 1 | 1 | 080069108 |
| M10 | 1 | 1 | 080069110 |
| M11 | 1 | 1 | 080069111 |
| M12 | 1 | 1 | 080069112 |
| M14 | 1 | 1 | 080069114 |

## 8007Z

hook and hook turnbuckles,
galvanized




**TECHNICAL DATA**
- **safety factor: 4**

**LABORATORY TESTS**
- **chemical analysis**
- **tensile test**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**
- **CE Declaration of Conformity**

| Ø mm | ≈ " | L min mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 3/16 | 124 | 25 | 30 | 080070105 |
| M6 | 1/4 | 134 | 45 | 30 | 080070106 |
| M8 | 5/16 | 181 | 95 | 20 | 080070108 |
| M10 | 3/8 | 211 | 140 | 15 | 080070110 |
| M11 | 7/16 | 231 | 165 | 15 | 080070111 |
| M12 | 1/2 | 262 | 300 | 15 | 080070112 |

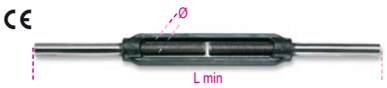
| Ø mm | ≈ " | L min mm | WFL kg | | |
|---|---|---|---|---|---|
| M14 | 9/16 | 312 | 420 | 1 | 080070114 |
| M16 | 5/8 | 354 | 570 | 1 | 080070116 |
| M18 | 11/16 | 388 | 700 | 1 | 080070118 |
| M20 | 3/4 | 424 | 900 | 1 | 080070120 |
| M22 | 7/8 | 466 | 1100 | 1 | 080070122 |
| M24 | 1" | 504 | 1300 | 1 | 080070124 |
| M27 | 1"1/8 | 532 | 2300 | 1 | 080070127 |

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M5 | 2 | 1 | 080079305 |
| M6 | 2 | 1 | 080079306 |
| M8 | 1 | 1 | 080079108 |
| M10 | 1 | 1 | 080079110 |
| M11 | 1 | 1 | 080079111 |
| M12 | 1 | 1 | 080079112 |

## 8008N

stub and stub turnbuckles
self-coloured




**TECHNICAL DATA**
- **safety coefficient: 4**

**LABORATORY TESTS**
- **chemical analysis**
- **tensile test**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**
- **CE Declaration of Conformity**

| Ø mm | ≈ " | L min mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 3/16 | 160 | 115 | 30 | 080080205 |
| M6 | 1/4 | 180 | 160 | 30 | 080080206 |
| M8 | 5/16 | 210 | 300 | 20 | 080080208 |
| M10 | 3/8 | 250 | 470 | 15 | 080080210 |
| M12 | 1/2 | 280 | 690 | 15 | 080080212 |
| M14 | 9/16 | 340 | 940 | 5 | 080080214 |
| M16 | 5/8 | 380 | 1290 | 5 | 080080216 |
| M18 | 11/16 | 410 | 1660 | 3 | 080080218 |
| M20 | 3/4 | 440 | 2130 | 3 | 080080220 |
| M22 | 7/8 | 480 | 2630 | 2 | 080080222 |
| M24 | 1" | 520 | 3060 | 2 | 080080224 |
| M27 | 1"1/8 | 560 | 4000 | 1 | 080080227 |
| M30 | 1"3/16 | 560 | 4860 | 1 | 080080230 |
| M33 | 1"1/4 | 600 | 6040 | 1 | 080080233 |
| M36 | 1"3/8 | 600 | 6500 | 1 | 080080236 |
| M39 | 1"1/2 | 600 | 7900 | 1 | 080080239 |

**Whitworth thread subject to availability**
**New batches with metric thread**

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M5 | 2 | 1 | 080089305 |
| M6 | 2 | 1 | 080089306 |
| M8 | 1 | 1 | 080089208 |
| M10 | 1 | 1 | 080089210 |
| M12 | 1 | 1 | 080089212 |
| M14 | 1 | 1 | 080089214 |

## 8008TZN

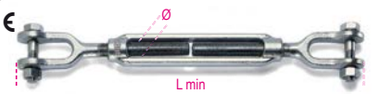
stub and stub turnbuckles,
pipe bodies DIN 1478,
self-coloured terminals, galvanised bodies

TECHNICAL DATA
• safety factor: 4
LABORATORY TESTS
• chemical analysis
• tensile test
AVAILABLE CERTIFICATES
• Product specifications
• Test report type 2.2 UNI EN10204
• CE Declaration of Conformity

| Ø mm | ≈ " | WFL kg | | |
|---|---|---|---|---|
| M12 | 1/2 | 690 | 10 | 080080512 |
| M16 | 5/8 | 1290 | 1 | 080080516 |
| M20 | 3/4 | 2130 | 1 | 080080520 |
| M24 | 1 | 3060 | 1 | 080080524 |
| M27 | 1.1/8 | 4000 | 1 | 080080527 |
| M30 | 1.3/16 | 4860 | 1 | 080080530 |
| M36 | 1.3/8 | 6500 | 1 | 080080536 |

## 8009Z

jaw and jaw turnbuckles,
galvanized




TECHNICAL DATA
• safety coefficient: 4
LABORATORY TESTS
• chemical analysis
• tensile test
AVAILABLE CERTIFICATES
• Technical product specifications
• Test report UNI EN10204 type 2.2
• CE Declaration of Conformity

| Ø mm | ≈ " | L min mm | WFL kg | | |
|---|---|---|---|---|---|
| M8 | 5/16 | 192 | 300 | 15 | 080090008 |
| M10 | 3/8 | 234 | 470 | 15 | 080090010 |
| M12 | 1/2 | 274 | 690 | 15 | 080090012 |
| M14 | 9/16 | 342 | 940 | 1 | 080090014 |
| M16 | 5/8 | 372 | 1290 | 1 | 080090016 |
| M18 | 11/16 | 406 | 1660 | 1 | 080090018 |
| M20 | 3/4 | 406 | 2130 | 1 | 080090020 |
| M22 | 7/8 | 466 | 2630 | 1 | 080090022 |
| M24 | 1" | 486 | 3060 | 1 | 080090024 |
| M27 | 1"1/8 | 510 | 4000 | 1 | 080090027 |
| M30 | 1"3/16 | 566 | 4860 | 1 | 080090030 |

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M8 | 1 | 1 | 080099008 |
| M10 | 1 | 1 | 080099010 |
| M12 | 1 | 1 | 080099012 |

## 8009TZ

jaw and jaw turnbuckles,
pipe bodies, DIN 1478
galvanized

TECHNICAL DATA
• safety coefficient: 4
LABORATORY TESTS
• chemical analysis
• tensile test
AVAILABLE CERTIFICATES
• Technical Product Specifications
• Test Report UNI EN10204 type 2.2
• CE Declaration of Conformity

| Ø mm | ≈ " | WFL kg | | |
|---|---|---|---|---|
| M12 | 1/2 | 690 | 10 | 080090512 |
| M16 | 5/8 | 1290 | 1 | 080090516 |
| M20 | 3/4 | 2130 | 1 | 080090520 |
| M24 | 1 | 3060 | 1 | 080090524 |
| M27 | 1.1/8 | 4000 | 1 | 080090527 |
| M30 | 1.3/16 | 4860 | 1 | 080090530 |

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M12 | 1 | 1 | 080099512 |

## 8010Z

eye and jaw turnbuckles,
galvanized

TECHNICAL DATA
• safety coefficient: 4
LABORATORY TESTS
• chemical analysis
• tensile test
AVAILABLE CERTIFICATES
• Technical product specifications
• Test report UNI EN10204 type 2.2
• CE Declaration of Conformity

| Ø mm | ≈ " | L min mm | WFL kg | | |
|---|---|---|---|---|---|
| M8 | 5/16 | 175 | 300 | 20 | 080100008 |
| M10 | 3/8 | 215 | 470 | 15 | 080100010 |
| M12 | 1/2 | 250 | 690 | 10 | 080100012 |
| M14 | 9/16 | 299 | 940 | 10 | 080100014 |
| M16 | 5/8 | 331 | 1290 | 1 | 080100016 |
| M18 | 11/16 | 382 | 1660 | 1 | 080100018 |
| M20 | 3/4 | 382 | 2130 | 1 | 080100020 |
| M22 | 7/8 | 433 | 2630 | 1 | 080100022 |
| M24 | 1" | 461 | 3060 | 1 | 080100024 |
| M27 | 1"1/8 | 492 | 4000 | 1 | 080100027 |
| M30 | 1"3/16 | 529 | 4860 | 1 | 080100030 |

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M8 | 1 | 1 | 080109008 |
| M10 | 1 | 1 | 080109010 |
| M12 | 1 | 1 | 080109012 |
| M14 | 1 | 1 | 080109014 |

## 8010TZ

eye and jaw turnbuckles,
pipe bodies DIN 1478,
galvanised

TECHNICAL DATA
• safety factor: 4
LABORATORY TESTS • chemical analysis
• tensile test
AVAILABLE CERTIFICATES
• Production specifications
• Test report type 2.2 UNI EN10204
• CE Declaration of Conformity

| Ø mm | ≈ " | WFL kg | | |
|---|---|---|---|---|
| M12 | 1/2 | 690 | 10 | 080100612 |
| M16 | 5/8 | 1290 | 1 | 080100616 |
| M20 | 3/4 | 2130 | 1 | 080100620 |
| M24 | 1 | 3060 | 1 | 080100624 |
| M27 | 1.1/8 | 4000 | 1 | 080100627 |
| M30 | 1.3/16 | 4860 | 1 | 080100630 |

## 8001Z

turnbuckle bodies,
galvanized

TECHNICAL DATA
• safety factor: 4
• traceability code
LABORATORY TESTS
• chemical analysis
• tensile test
AVAILABLE CERTIFICATES
• Technical product specifications
• Test report UNI EN10204 type 2.2
• CE Declaration of Conformity

| Ø mm | ≈ " | L mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 3/16 | 80 | 115 | 100 | 080010105 |
| M6 | 1/4 | 80 | 160 | 100 | 080010106 |
| M8 | 5/16 | 105 | 300 | 25 | 080010108 |
| M10 | 3/8 | 125 | 470 | 20 | 080010110 |
| M11 | 7/16 | 135 | 580 | 15 | 080010111 |
| M12 | 1/2 | 140 | 690 | 20 | 080010112 |
| M14 | 9/16 | 170 | 940 | 15 | 080010114 |
| M16 | 5/8 | 190 | 1290 | 15 | 080010116 |
| M18 | 11/16 | 205 | 1660 | 10 | 080010118 |
| M20 | 3/4 | 220 | 2130 | 10 | 080010120 |
| M22 | 7/8 | 240 | 2630 | 8 | 080010122 |
| M24 | 1" | 260 | 3060 | 5 | 080010124 |
| M27 | 1"1/8 | 270 | 4000 | 1 | 080010127 |
| M30 | 1"3/16 | 280 | 4860 | 1 | 080010130 |
| M33 | 1"1/4 | 290 | 6040 | 1 | 080010133 |
| M36 | 1"3/8 | 300 | 6500 | 1 | 080010198 |
| M39 | 1"1/2 | 300 | 7900 | 1 | 080010199 |

**Whitworth thread subject to availability**
**New batches with metric thread**

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M5 | 2 | 1 | 080019305 |
| M6 | 2 | 1 | 080019306 |
| M8 | 1 | 1 | 080019108 |
| M10 | 1 | 1 | 080019110 |
| M11 | 1 | 1 | 080019111 |
| M12 | 1 | 1 | 080019112 |
| M14 | 1 | 1 | 080019114 |
| M16 | 1 | 1 | 080019116 |
| M18 | 1 | 1 | 080019118 |
| M20 | 1 | 1 | 080019120 |
| M22 | 1 | 1 | 080019122 |
| M24 | 1 | 1 | 080019124 |

Robur

## 8001TZ

pipe turnbuckle bodies, galvanized

DIN 1478

**TECHNICAL DATA**
- safety factor: 4
- traceability code

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Declaration of Conformity

| Ø mm | ≈ " | L mm | WFL kg | | |
|---|---|---|---|---|---|
| M12 | 1/2 | 125 | 690 | 10 | 080010512 |
| M16 | 5/8 | 170 | 1290 | 5 | 080010516 |
| M20 | 3/4 | 200 | 2130 | 5 | 080010520 |
| M24 | 1 | 255 | 3060 | 3 | 080010524 |
| * M27 | 1.1/8 | 255 | 4000 | 1 | 080010527 |
| M30 | 1.3/16 | 255 | 4860 | 1 | 080010530 |
| M36 | 1.3/8 | 295 | 6500 | 1 | 080010536 |
| M42 | 1.5/8 | 330 | 9700 | 1 | 080010542 |

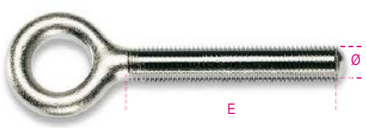
*** Sizes not contemplated by the standard**

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M12 | 1 | 1 | 080019512 |
| M16 | 1 | 1 | 080019516 |
| M20 | 1 | 1 | 080019520 |
| M24 | 1 | 1 | 080019524 |

## 8002ZD

turnbuckle eyes
right thread, galvanized




**TECHNICAL DATA**
- safety factor: 4

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| Ø mm | ≈ " | E mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 3/16 | 37 | 115 | 200 | 080020105 |
| M6 | 1/4 | 40 | 160 | 150 | 080020106 |
| M8 | 5/16 | 52 | 300 | 100 | 080020108 |
| M10 | 3/8 | 60 | 470 | 100 | 080020110 |
| M11 | 7/16 | 65 | 580 | 1 | 080020111 |
| M12 | 1/2 | 72 | 690 | 50 | 080020112 |
| M14 | 9/16 | 85 | 940 | 1 | 080020114 |
| M16 | 5/8 | 95 | 1290 | 1 | 080020116 |
| M18 | 11/16 | 103 | 1660 | 1 | 080020118 |
| M20 | 3/4 | 110 | 2130 | 1 | 080020120 |
| M22 | 7/8 | 120 | 2630 | 1 | 080020122 |
| M24 | 1" | 130 | 3060 | 1 | 080020124 |
| M27 | 1"1/8 | 135 | 4000 | 1 | 080020127 |
| M30 | 1"3/16 | 140 | 4860 | 1 | 080020130 |
| M33 | 1"1/4 | 148 | 6040 | 1 | 080020133 |
| M36 | 1"3/8 | 150 | 6500 | 1 | 080020198 |
| M39 | 1"1/2 | 150 | 7900 | 1 | 080020199 |

**Whitworth thread subject to availability**
**New batches with metric thread**

left-handed thread

| Ø mm | ≈ " | E mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 3/16 | 37 | 115 | 1 | 080020305 |
| M6 | 1/4 | 40 | 160 | 1 | 080020306 |
| M8 | 5/16 | 52 | 300 | 1 | 080020308 |
| M10 | 3/8 | 60 | 470 | 1 | 080020310 |
| M11 | 7/16 | 65 | 580 | 1 | 080020311 |
| M12 | 1/2 | 72 | 690 | 1 | 080020312 |
| M14 | 9/16 | 85 | 940 | 1 | 080020314 |
| M16 | 5/8 | 95 | 1290 | 1 | 080020316 |
| M18 | 11/16 | 103 | 1660 | 1 | 080020318 |
| M20 | 3/4 | 110 | 2130 | 1 | 080020320 |
| M22 | 7/8 | 120 | 2630 | 1 | 080020322 |
| M24 | 1" | 130 | 3060 | 1 | 080020324 |
| M27 | 1"1/8 | 135 | 4000 | 1 | 080020327 |
| M30 | 1"3/16 | 140 | 4860 | 1 | 080020330 |
| M33 | 1"1/4 | 148 | 6040 | 1 | 080020333 |
| M36 | 1"3/8 | 150 | 6500 | 1 | 080020398 |
| M39 | 1"1/2 | 150 | 7900 | 1 | 080020399 |

## 8003ZD

turnbuckle hooks
right thread, galvanized

**TECHNICAL DATA**
- safety factor: 4

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| Ø mm | ≈ " | E mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 3/16 | 40 | 25 | 150 | 080030105 |
| M6 | 1/4 | 40 | 45 | 120 | 080030106 |
| M8 | 5/16 | 52 | 95 | 100 | 080030108 |
| M10 | 3/8 | 60 | 140 | 70 | 080030110 |
| M11 | 7/16 | 65 | 165 | 1 | 080030111 |
| M12 | 1/2 | 70 | 300 | 30 | 080030112 |
| M14 | 9/16 | 85 | 420 | 1 | 080030114 |
| M16 | 5/8 | 95 | 570 | 1 | 080030116 |
| M18 | 11/16 | 103 | 700 | 1 | 080030118 |
| M20 | 3/4 | 110 | 900 | 1 | 080030120 |
| M22 | 7/8 | 120 | 1100 | 1 | 080030122 |
| M24 | 1" | 130 | 1300 | 1 | 080030124 |
| M27 | 1"1/8 | 135 | 2300 | 1 | 080030127 |

left-handed thread

| Ø mm | ≈ " | WFL kg | E mm | | |
|---|---|---|---|---|---|
| M5 | 3/16 | 40 | 25 | 1 | 080030305 |
| M6 | 1/4 | 40 | 45 | 1 | 080030306 |
| M8 | 5/16 | 52 | 95 | 1 | 080030308 |
| M10 | 3/8 | 60 | 140 | 1 | 080030310 |
| M11 | 7/16 | 65 | 165 | 1 | 080030311 |
| M12 | 1/2 | 70 | 300 | 1 | 080030312 |
| M14 | 9/16 | 85 | 420 | 1 | 080030314 |
| M16 | 5/8 | 95 | 570 | 1 | 080030316 |
| M18 | 11/16 | 103 | 700 | 1 | 080030318 |
| M20 | 3/4 | 110 | 900 | 1 | 080030320 |
| M22 | 7/8 | 120 | 1100 | 1 | 080030322 |
| M24 | 1" | 130 | 1300 | 1 | 080030324 |
| M27 | 1"1/8 | 135 | 2300 | 1 | 080030327 |

## 8004ND

turnbuckle stubs
right-handed thread, self-coloured

**TECHNICAL DATA**
- safety factor: 4

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| Ø mm | ≈ " | E mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 3/16 | 40 | 115 | 1 | 080040005 |
| M6 | 1/4 | 44 | 160 | 1 | 080040006 |
| M8 | 5/16 | 53 | 300 | 1 | 080040008 |
| M10 | 3/8 | 63 | 470 | 1 | 080040010 |
| M12 | 1/2 | 70 | 690 | 1 | 080040012 |
| M14 | 9/16 | 85 | 940 | 1 | 080040014 |
| M16 | 5/8 | 95 | 1290 | 1 | 080040016 |
| M18 | 11/16 | 103 | 1660 | 1 | 080040018 |
| M20 | 3/4 | 110 | 2130 | 1 | 080040020 |
| M22 | 7/8 | 120 | 2630 | 1 | 080040022 |
| M24 | 1" | 130 | 3060 | 1 | 080040024 |
| M27 | 1"1/8 | 135 | 4000 | 1 | 080040027 |
| M30 | 1"3/16 | 140 | 4860 | 1 | 080040030 |
| M33 | 1"1/4 | 150 | 6040 | 1 | 080040033 |
| M36 | 1"3/8 | 150 | 6500 | 1 | 080040098 |
| M39 | 1"1/2 | 150 | 7900 | 1 | 080040099 |

**Whitworth thread subject to availability**
**New batches with metric thread**

left-handed thread

| Ø mm | ≈ " | E mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 3/16 | 40 | 115 | 1 | 080040105 |
| M6 | 1/4 | 44 | 160 | 1 | 080040106 |
| M8 | 5/16 | 53 | 300 | 1 | 080040108 |
| M10 | 3/8 | 63 | 470 | 1 | 080040110 |
| M12 | 1/2 | 70 | 690 | 1 | 080040112 |
| M14 | 9/16 | 85 | 940 | 1 | 080040114 |
| M16 | 5/8 | 95 | 1290 | 1 | 080040116 |
| M18 | 11/16 | 103 | 1660 | 1 | 080040118 |
| M20 | 3/4 | 110 | 2130 | 1 | 080040120 |
| M22 | 7/8 | 120 | 2630 | 1 | 080040122 |
| M24 | 1" | 130 | 3060 | 1 | 080040124 |
| M27 | 1"1/8 | 135 | 4000 | 1 | 080040127 |
| M30 | 1"3/16 | 140 | 4860 | 1 | 080040130 |
| M33 | 1"1/4 | 150 | 6040 | 1 | 080040133 |
| M36 | 1"3/8 | 150 | 6500 | 1 | 080040198 |
| M39 | 1"1/2 | 150 | 7900 | 1 | 080040199 |

Robur

## 8009FD

turnbuckle jaws
right-handed thread, galvanized

**TECHNICAL DATA**
- safety factor: 4

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| Ø mm | ≈ " | E mm | WFL kg | | |
|---|---|---|---|---|---|
| M8 | 5/16 | 53 | 300 | 1 | 080090208 |
| M10 | 3/8 | 63 | 470 | 1 | 080090210 |
| M12 | 1/2 | 70 | 690 | 1 | 080090212 |
| M14 | 9/16 | 85 | 940 | 1 | 080090214 |
| M16 | 5/8 | 95 | 1290 | 1 | 080090216 |
| M18 | 11/16 | 103 | 1660 | 1 | 080090218 |
| M20 | 3/4 | 110 | 2130 | 1 | 080090220 |
| M22 | 7/8 | 120 | 2630 | 1 | 080090222 |
| M24 | 1" | 130 | 3060 | 1 | 080090224 |
| M27 | 1"1/8 | 135 | 4000 | 1 | 080090227 |
| M30 | 1"3/16 | 140 | 4860 | 1 | 080090230 |

left-handed thread

| Ø mm | ≈ " | WFL kg | G mm | | |
|---|---|---|---|---|---|
| M8 | 5/16 | 53 | 300 | 1 | 080090408 |
| M10 | 3/8 | 63 | 470 | 1 | 080090410 |
| M12 | 1/2 | 70 | 690 | 1 | 080090412 |
| M14 | 9/16 | 85 | 940 | 1 | 080090414 |
| M16 | 5/8 | 95 | 1290 | 1 | 080090416 |
| M18 | 11/16 | 103 | 1660 | 1 | 080090418 |
| M20 | 3/4 | 110 | 2130 | 1 | 080090420 |
| M22 | 7/8 | 120 | 2630 | 1 | 080090422 |
| M24 | 1" | 130 | 3060 | 1 | 080090424 |
| M27 | 1"1/8 | 135 | 4000 | 1 | 080090427 |
| M30 | 1"3/16 | 140 | 4860 | 1 | 080090430 |

## 8048

eye tie rods right thread
self-coloured

UNI 6058

| ØxL mm | WFL kg | F mm | | |
|---|---|---|---|---|
| M8x50 | 430 | 6 | 20 | 080480108 |
| M8x65 | 430 | 6 | 20 | 080480109 |
| M10x80 | 690 | 8 | 10 | 080480110 |
| M10x100 | 690 | 8 | 10 | 080480210 |
| M10x130 | 690 | 8 | 10 | 080480111 |
| M12x70 | 1020 | 10 | 8 | 080480212 |
| M12x95 | 1020 | 10 | 8 | 080480112 |
| M12x125 | 1020 | 10 | 8 | 080480113 |
| M14x110 | 1420 | 12 | 6 | 080480114 |
| M16x100 | 1980 | 14 | 6 | 080480115 |
| M16x130 | 1980 | 14 | 6 | 080480116 |
| M18x150 | 2390 | 16 | 2 | 080480118 |
| M20x160 | 3100 | 18 | 2 | 080480120 |
| M22x180 | 3890 | 18 | 1 | 080480122 |
| M24x200 | 4460 | 20 | 1 | 080480124 |
| M24x220 | 4460 | 20 | 1 | 080480125 |
| M27x220 | 5900 | 22 | 1 | 080480127 |

## 8302Z

fastening eye bolts,
right thread, galvanized

**TECHNICAL DATA**
- safety factor: 4

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| Ø mm | E mm | F mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 48 | 8 | 115 | 200 | 083020005 |
| M6 | 55 | 10 | 160 | 150 | 083020006 |
| M8 | 60 | 12 | 300 | 100 | 083020008 |
| M10 | 73 | 14 | 470 | 100 | 083020010 |
| M12 | 90 | 17 | 690 | 50 | 083020012 |

## 8303Z

fastening hooks
right thread, galvanized

**TECHNICAL DATA**
- safety factor: 4

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| Ø mm | C mm | E mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 6,0 | 48 | 25 | 120 | 083030005 |
| M6 | 8,0 | 55 | 45 | 100 | 083030006 |
| M8 | 10,0 | 60 | 95 | 75 | 083030008 |
| M10 | 12,5 | 73 | 140 | 50 | 083030010 |
| M12 | 16,0 | 90 | 220 | 20 | 083030012 |

Robur

## 8702N - 8702Z - 8702ZC

swage sockets made from forged steel

closed
black

**TECHNICAL DATA**
- traceability code

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1

| M | ø B mm | ø A mm | ø D mm | | |
|---|---|---|---|---|---|
| 6 | 6,8 | 13 | 19 | 1 | 087020106 |
| 8 | 8,8 | 20 | 22 | 1 | 087020108 |
| 9 | 9,8 | 20 | 22 | 1 | 087020109 |
| 10 | 10,8 | 20 | 22 | 1 | 087020110 |
| 11 | 11,8 | 25 | 27 | 1 | 087020111 |
| 12 | 12,8 | 25 | 27 | 1 | 087020112 |
| 13 | 13,8 | 25 | 27 | 1 | 087020113 |
| 14 | 14,8 | 32 | 32 | 1 | 087020114 |
| 15 | 15,9 | 32 | 32 | 1 | 087020115 |
| 16 | 17,0 | 32 | 32 | 1 | 087020116 |
| 18 | 19,0 | 39 | 37 | 1 | 087020118 |
| 19 | 20,0 | 39 | 37 | 1 | 087020119 |
| 20 | 21,1 | 39 | 37 | 1 | 087020120 |
| 22 | 23,2 | 43 | 43 | 1 | 087020122 |
| 24 | 25,4 | 50 | 52 | 1 | 087020124 |
| 25 | 26,4 | 50 | 52 | 1 | 087020125 |
| 26 | 27,4 | 50 | 52 | 1 | 087020126 |

**Socket swaging requires suitable presses and dies and can only be performed by trained staff.**

8702Z galvanized

| M | ø B mm | ø A mm | ø D mm | | |
|---|---|---|---|---|---|
| 6 | 6,8 | 13 | 19 | 1 | 087020306 |
| 8 | 8,8 | 20 | 22 | 1 | 087020308 |
| 9 | 9,8 | 20 | 22 | 1 | 087020309 |
| 10 | 10,8 | 20 | 22 | 1 | 087020310 |
| 11 | 11,8 | 25 | 27 | 1 | 087020311 |
| 12 | 12,8 | 25 | 27 | 1 | 087020312 |
| 13 | 13,8 | 25 | 27 | 1 | 087020313 |
| 14 | 14,8 | 32 | 32 | 1 | 087020314 |
| 15 | 15,9 | 32 | 32 | 1 | 087020315 |
| 16 | 17,0 | 32 | 32 | 1 | 087020316 |
| 18 | 19,0 | 39 | 37 | 1 | 087020318 |
| 19 | 20,0 | 39 | 37 | 1 | 087020319 |
| 20 | 21,1 | 39 | 37 | 1 | 087020320 |
| 22 | 23,2 | 43 | 43 | 1 | 087020322 |
| 24 | 25,4 | 50 | 52 | 1 | 087020324 |
| 25 | 26,4 | 50 | 52 | 1 | 087020325 |
| 26 | 27,4 | 50 | 52 | 1 | 087020326 |

8702ZC hot-dip galvanized

| M | ø B mm | ø A mm | ø D mm | | |
|---|---|---|---|---|---|
| 6 | 6,8 | 13 | 19 | 1 | 087020206 |
| 8 | 8,8 | 20 | 22 | 1 | 087020208 |
| 9 | 9,8 | 20 | 22 | 1 | 087020209 |
| 10 | 10,8 | 20 | 22 | 1 | 087020210 |
| 11 | 11,8 | 25 | 27 | 1 | 087020211 |
| 12 | 12,8 | 25 | 27 | 1 | 087020212 |
| 13 | 13,8 | 25 | 27 | 1 | 087020213 |
| 14 | 14,8 | 32 | 32 | 1 | 087020214 |
| 15 | 15,9 | 32 | 32 | 1 | 087020215 |
| 16 | 17,0 | 32 | 32 | 1 | 087020216 |
| 18 | 19,0 | 39 | 37 | 1 | 087020218 |
| 19 | 20,0 | 39 | 37 | 1 | 087020219 |
| 20 | 21,1 | 39 | 37 | 1 | 087020220 |
| 22 | 23,2 | 43 | 43 | 1 | 087020222 |
| 24 | 25,4 | 50 | 52 | 1 | 087020224 |
| 25 | 26,4 | 50 | 52 | 1 | 087020225 |
| 26 | 27,4 | 50 | 52 | 1 | 087020226 |

## 8709N - 8709Z - 8709ZC

swage sockets made from forged steel open black

**TECHNICAL DATA**
- traceability code

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1

| M | ø B mm | ø A mm | ø C mm | | | |
|---|---|---|---|---|---|---|
| 6 | 6,8 | 13 | 17 | 1 | 087090106 |
| 8 | 8,8 | 20 | 21 | 1 | 087090108 |
| 9 | 9,8 | 20 | 21 | 1 | 087090109 |
| 10 | 10,8 | 20 | 21 | 1 | 087090110 |
| 11 | 11,8 | 25 | 25 | 1 | 087090111 |
| 12 | 12,8 | 25 | 25 | 1 | 087090112 |
| 13 | 13,8 | 25 | 25 | 1 | 087090113 |
| 14 | 14,8 | 32 | 30 | 1 | 087090114 |
| 15 | 15,9 | 32 | 30 | 1 | 087090115 |
| 16 | 17,0 | 32 | 30 | 1 | 087090116 |
| 18 | 19,0 | 39 | 35 | 1 | 087090118 |
| 19 | 20,0 | 39 | 35 | 1 | 087090119 |
| 20 | 21,1 | 39 | 35 | 1 | 087090120 |
| 22 | 23,2 | 43 | 41 | 1 | 087090122 |
| 24 | 25,4 | 50 | 51 | 1 | 087090124 |
| 25 | 26,4 | 50 | 51 | 1 | 087090125 |
| 26 | 27,4 | 50 | 51 | 1 | 087090126 |

**Socket swaging requires suitable presses and dies and can only be performed by trained staff.**

### 8709Z galvanized

| M | ø B mm | ø A mm | ø C mm | | | |
|---|---|---|---|---|---|---|
| 6 | 6,8 | 13 | 17 | 1 | 087090306 |
| 8 | 8,8 | 20 | 21 | 1 | 087090308 |
| 9 | 9,8 | 20 | 21 | 1 | 087090309 |
| 10 | 10,8 | 20 | 21 | 1 | 087090310 |
| 11 | 11,8 | 25 | 25 | 1 | 087090311 |
| 12 | 12,8 | 25 | 25 | 1 | 087090312 |
| 13 | 13,8 | 25 | 25 | 1 | 087090313 |
| 14 | 14,8 | 32 | 30 | 1 | 087090314 |
| 15 | 15,9 | 32 | 30 | 1 | 087090315 |
| 16 | 17,0 | 32 | 30 | 1 | 087090316 |
| 18 | 19,0 | 39 | 35 | 1 | 087090318 |
| 19 | 20,0 | 39 | 35 | 1 | 087090319 |
| 20 | 21,0 | 39 | 35 | 1 | 087090320 |
| 22 | 23,2 | 43 | 41 | 1 | 087090322 |
| 24 | 25,4 | 50 | 51 | 1 | 087090324 |
| 25 | 26,4 | 50 | 51 | 1 | 087090325 |
| 26 | 27,4 | 50 | 51 | 1 | 087090326 |

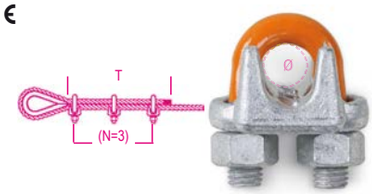
### 8709ZC hot-dip galvanized

| M | ø B mm | ø A mm | ø C mm | | | |
|---|---|---|---|---|---|---|
| 6 | 6,8 | 13 | 17 | 1 | 087090206 |
| 8 | 8,8 | 20 | 21 | 1 | 087090208 |
| 9 | 9,8 | 20 | 21 | 1 | 087090209 |
| 10 | 10,8 | 20 | 21 | 1 | 087090210 |
| 11 | 11,8 | 25 | 25 | 1 | 087090211 |
| 12 | 12,8 | 25 | 25 | 1 | 087090212 |
| 13 | 13,8 | 25 | 25 | 1 | 087090213 |
| 14 | 14,8 | 32 | 30 | 1 | 087090214 |
| 15 | 15,9 | 32 | 30 | 1 | 087090215 |
| 16 | 17,0 | 32 | 30 | 1 | 087090216 |
| 18 | 19,0 | 39 | 35 | 1 | 087090218 |
| 19 | 20,0 | 39 | 35 | 1 | 087090219 |
| 20 | 21,1 | 39 | 35 | 1 | 087090220 |
| 22 | 23,2 | 43 | 41 | 1 | 087090222 |
| 24 | 25,4 | 50 | 51 | 1 | 087090224 |
| 25 | 26,4 | 50 | 51 | 1 | 087090225 |
| 26 | 27,4 | 50 | 51 | 1 | 087090226 |

## 8015

wire rope clips, American type, steel body, hot-dip galvanized

CE




dimensioni EN 13411-5 tipo B

**TECHNICAL DATA**
- traceability code

**LABORATORY TESTS**
- chemical analysis
- torque test

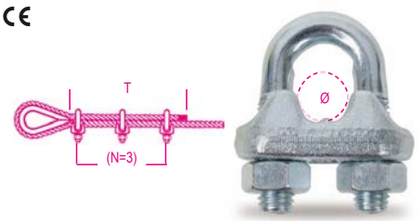
**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Manufacturer's Certificate UNI EN13411-5
- CE Declaration of Conformity

| Ø mm | Ø " | NxT | Nm | | |
|---|---|---|---|---|---|
| 8 | 5/16 | 3x133 | 40,7 | 12 | 080150808 |
| 10 | 3/8 | 3x165 | 61 | 12 | 080150810 |
| 13 | 1/2 | 3x292 | 88 | 6 | 080150813 |
| 16 | 5/8 | 3x305 | 129 | 6 | 080150816 |
| 20 | 3/4 | 4x460 | 176 | 6 | 080150820 |
| 22 | 7/8 | 4x480 | 305 | 6 | 080150822 |
| 26 | 1 | 5x660 | 305 | 5 | 080150826 |
| 30 | 1-1/8 | 6x860 | 305 | 2 | 080150830 |

## 8016

wire rope clips, hot forged steel body, galvanized

CE




**TECHNICAL DATA**
- chemical analysis
- torque test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Certificate of Conformity

| Ø mm | Ø " | N x T | Nm | | |
|---|---|---|---|---|---|
| 3 | 1/8 | 3x80 | 1,53 | 500 | 080160003 |
| 5 | 3/16 | 3x110 | 3,02 | 300 | 080160005 |
| 6 | 1/4 | 3x120 | 5,19 | 200 | 080160006 |
| 8 | 5/16 | 5x210 | 5,19 | 150 | 080160008 |
| 10 | 3/8 | 5x240 | 12,54 | 70 | 080160010 |
| 11 | 7/16 | 5x260 | 12,54 | 70 | 080160011 |
| 12-13 | 1/2 | 5x300 | 24,76 | 40 | 080160013 |
| 14 | 9/16 | 5x295 | 24,76 | 35 | 080160014 |
| 16 | 5/8 | 5x335 | 24,76 | 30 | 080160016 |
| 18 | 11/16 | 5x380 | 42,42 | 30 | 080160018 |
| 20 | 3/4 | 5x540 | 42,42 | 30 | 080160020 |
| 22 | 7/8 | 7x595 | 42,42 | 25 | 080160022 |
| 24-26 | 1" | 7x700 | 67,56 | 15 | 080160026 |
| 28 | 1"1/16 | 8x840 | 67,56 | 5 | 080160028 |
| 30-32 | 1"1/8 | 8x990 | 67,56 | 5 | 080160030 |
| 34-36 | 1"1/4 | 8x1155 | 105,80 | 4 | 080160034 |
| 38-40 | 1"1/2 | 8x1320 | 105,80 | 2 | 080160040 |
| 45-50 | 2" | 8x1500 | 206 | 1 | 080160050 |

### special packaging

| Ø mm | " | | | |
|---|---|---|---|---|
| 3 | 1/8 | 100 | 1 | 080160703 |
| 5 | 3/16 | 50 | 1 | 080160705 |
| 6 | 1/4 | 50 | 1 | 080160706 |
| 8 | 5/16 | 30 | 1 | 080160708 |
| 10 | 3/8 | 30 | 1 | 080160710 |
| 11 | 7/16 | 25 | 1 | 080160711 |
| 12-13 | 1/2 | 15 | 1 | 080160713 |

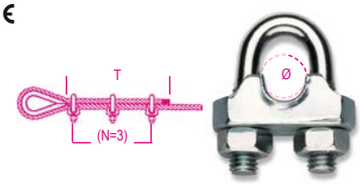
### special free service boxes

| Ø mm | | | |
|---|---|---|---|
| 3 | 6 | 1 | 080169403 |
| 5 | 4 | 1 | 080169405 |
| 6 | 4 | 1 | 080169406 |
| 8 | 4 | 1 | 080169408 |
| 10 | 2 | 1 | 080169410 |
| 11 | 1 | 1 | 080169011 |
| 12-13 | 1 | 1 | 080169013 |
| 14 | 1 | 1 | 080169014 |
| 16 | 1 | 1 | 080169016 |
| 18 | 1 | 1 | 080169018 |
| 20 | 1 | 1 | 080169020 |
| 22 | 1 | 1 | 080169022 |
| 24-26 | 1 | 1 | 080169026 |

## 8016FR

wire rope clips, cold pressed steel body, galvanized

CE




**LABORATORY TESTS**
- chemical analysis

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Certificate of Conformity

| Ø mm | Ø mm | N x T | Nm | | |
|---|---|---|---|---|---|
| 3 | 1/8 | 3x80 | 1,25 | 500 | 080160253 |
| 5 | 3/16 | 3x110 | 2,46 | 300 | 080160255 |
| 6 | 1/4 | 3x120 | 4,24 | 200 | 080160256 |
| 8 | 5/16 | 5x210 | 4,24 | 150 | 080160258 |

### special free service boxes

| Ø mm | | | |
|---|---|---|---|
| 3 | 6 | 1 | 080169753 |
| 5 | 6 | 1 | 080169755 |
| 6 | 4 | 1 | 080169756 |
| 8 | 4 | 1 | 080169758 |

Robur

## 8018E

wire rope clips, ENEL type,
hot forged steel body, hot-dip galvanized
U-bolts and nuts with chemical galv. protection

**LABORATORY TESTS**
- chemical analysis

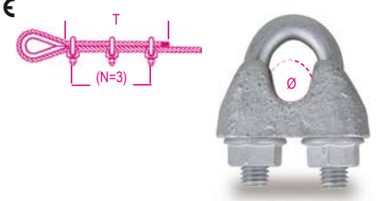
**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| Ø mm | A mm | L mm | Nm | | |
|---|---|---|---|---|---|
| 4÷6 | M6 | 34 | 4,24 | 100 | 080180001 |

## 8016U2

wire rope clips
malleable cast iron body
galvanized

CE




dimensioni EN 13411-5 tipo A

**TECHNICAL DATA**
- traceability code

**LABORATORY TESTS**
- chemical analysis
- torque test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Manufacturer's Certificate UNI EN13411-5
- CE Certificate of Conformity

| Ø mm | Ø " | N x T | Nm | | |
|---|---|---|---|---|---|
| 5 | 3/16 | 3x156 | 2,0 | 300 | 080160855 |
| 6,5 | 1/4 | 3x192 | 3,5 | 150 | 080160856 |
| 8 | 5/16 | 4x320 | 6 | 70 | 080160858 |
| 10 | 3/8 | 4x320 | 9 | 60 | 080160860 |
| 12 | 1/2 | 4x384 | 20 | 25 | 080160862 |
| 14 | 9/16 | 4x448 | 33 | 15 | 080160864 |
| 16 | 5/8 | 4x512 | 49 | 10 | 080160866 |
| 19 | 3/4 | 4x512 | 68 | 10 | 080160869 |
| 22 | 7/8 | 5x680 | 107 | 10 | 080160872 |
| 26 | 1 | 5x760 | 147 | 5 | 080160876 |
| 30 | 1.1/8 | 6x984 | 212 | 5 | 080160880 |
| 34 | 1.1/4 | 6x1080 | 296 | 5 | 080160884 |
| 40 | 1.1/2 | 6x1176 | 363 | 5 | 080160890 |

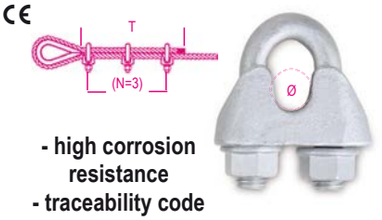
special free service boxes

| Ø mm | | | |
|---|---|---|---|
| 5 | 4 | 1 | 080169805 |
| 6 | 4 | 1 | 080169806 |
| 8 | 4 | 1 | 080169808 |
| 10 | 2 | 1 | 080169810 |
| 12 | 1 | 1 | 080169612 |
| 14 | 1 | 1 | 080169614 |
| 16 | 1 | 1 | 080169616 |
| 19 | 1 | 1 | 080169619 |
| 22 | 1 | 1 | 080169622 |
| 26 | 1 | 1 | 080169626 |

## 8016UGK

wire rope clips,
made of malleable cast iron,
HOT DIP GALVANIZED body,
GEOMET-GEOKOTE U-bolts and nuts

CE




**- high corrosion resistance**
**- traceability code**

dimensioni EN 13411-5 tipo A

**TECHNICAL DATA**
- traceability code

**LABORATORY TESTS**
- chemical analysis
- torque test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Manufacturer's Certificate UNI EN13411-5
- CE Declaration of conformity

| Ø mm | Ø " | N x T | Nm | | |
|---|---|---|---|---|---|
| 8 | 5/16 | 4x320 | 6 | 70 | 080160758 |
| 10 | 3/8 | 4x320 | 9 | 60 | 080160760 |
| 12 | 1/2 | 4x448 | 33 | 25 | 080160762 |
| 14 | 9/16 | 4x384 | 20 | 15 | 080160764 |
| 16 | 5/8 | 4x512 | 49 | 10 | 080160766 |
| 19 | 3/4 | 4x512 | 68 | 10 | 080160769 |
| 22 | 7/8 | 5x680 | 107 | 10 | 080160772 |
| 26 | 1 | 5x760 | 147 | 5 | 080160776 |
| 30 | 1,1/8 | 6x984 | 212 | 1 | 080160780 |
| 34 | 1,1/4 | 6x1080 | 296 | 1 | 080160784 |
| 40 | 1,1/2 | 6x1176 | 363 | 1 | 080160790 |

## 8018T

wire rope clips, TELECOM type
malleable cast iron body
galvanized

RUM-MU-21:1980

**LABORATORY TESTS**
- chemical analysis

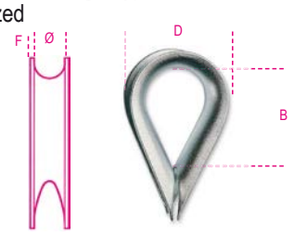
**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| Ø mm | A mm | L mm | Nm | | |
|---|---|---|---|---|---|
| 8÷10 | M8 | 42 | 10,20 | 200 | 080180003 |

Robur

## 8020A

thimbles, Italian light type,
galvanized




**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

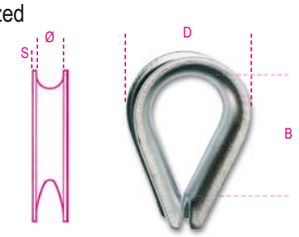
| Ø mm | F mm | B mm | D mm | | |
|---|---|---|---|---|---|
| 2-3 | 1,0 | 20 | 18 | 150 | 080200503 |
| 4 | 1,2 | 23 | 19 | 150 | 080200504 |
| 5 | 1,2 | 24 | 23 | 100 | 080200505 |
| 6 | 1,2 | 27 | 28 | 100 | 080200506 |
| 8 | 1,4 | 33 | 32 | 50 | 080200508 |
| 10 | 1,8 | 41 | 38 | 30 | 080200510 |
| 12 | 2,2 | 44 | 45 | 30 | 080200512 |
| 14 | 2,2 | 52 | 49 | 50 | 080200514 |
| 16 | 3,0 | 58 | 58 | 50 | 080200516 |
| 18 | 3,7 | 64 | 68 | 50 | 080200518 |
| 20 | 3,7 | 73 | 74 | 35 | 080200520 |
| 22 | 3,7 | 83 | 79 | 30 | 080200522 |
| 24 | 3,7 | 93 | 88 | 20 | 080200525 |

special packaging

| Ø mm | S mm | | | |
|---|---|---|---|---|
| 2-3 | 0,8 | 150 | 1 | 080200703 |
| 4 | 1,0 | 150 | 1 | 080200704 |
| 5 | 1,0 | 100 | 1 | 080200705 |
| 6 | 1,0 | 100 | 1 | 080200706 |
| 8 | 1,2 | 50 | 1 | 080200708 |
| 10 | 1,5 | 30 | 1 | 080200710 |

## 8021

thimbles, heavy type,
galvanized




**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| Ø mm | S mm | B mm | D mm | | |
|---|---|---|---|---|---|
| 2-3 | 0,6 | 15 | 16 | 150 | 080210003 |
| 5 | 1,7 | 29 | 28 | 120 | 080210005 |
| 6 | 1,8 | 33 | 30 | 100 | 080210006 |
| 8 | 2,5 | 36 | 37 | 100 | 080210008 |
| 10 | 2,5 | 42 | 43 | 80 | 080210010 |
| 12 | 2,5 | 48 | 50 | 100 | 080210012 |
| 14 | 2,7 | 58 | 57 | 70 | 080210014 |
| 16 | 3,0 | 61 | 62 | 50 | 080210016 |
| 18 | 3,5 | 71 | 71 | 70 | 080210018 |
| 20 | 4,0 | 79 | 79 | 60 | 080210020 |
| 22 | 4,0 | 87 | 84 | 50 | 080210022 |
| 24 | 4,0 | 93 | 92 | 40 | 080210024 |
| 26 | 4,0 | 103 | 103 | 35 | 080210026 |
| 28 | 5,0 | 107 | 116 | 1 | 080210028 |
| 30 | 5,0 | 118 | 121 | 1 | 080210030 |
| 32 | 5,5 | 138 | 135 | 1 | 080210032 |
| 35 | 6,0 | 140 | 147 | 1 | 080210035 |
| 40 | 6,0 | 174 | 170 | 1 | 080210140 |

## 8026R

straight shackles with screw collar pin, high-tensile alloy steel, GRADE 6, hot-dipped galvanized body

EN 13889
GRADE 6

**TECHNICAL DATA**
- minimum safety factor: 6
- heat treatment: hardening and tempering
- traceability code on both pin and body

**LABORATORY TESTS**
- chemical analysis • metallographic analysis
- tensile test • fatigue test (min. 20,000 cycles)
- proof load test (2 x WLL)

**AVAILABLE CERTIFICATES**
- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Inspection Certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| ØD mm | ØA mm | H mm | WLL kg | | |
|---|---|---|---|---|---|
| **11** | 10 | 17 | 1000 | 5 | 080260210 |
| **16** | 13 | 21 | 2000 | 5 | 080260212 |
| **19** | 16 | 27 | 3250 | 3 | 080260216 |
| **22** | 19 | 32 | 4750 | 2 | 080260219 |
| **25** | 22 | 37 | 6500 | 2 | 080260222 |

special free service boxes

| ØD mm | | | |
|---|---|---|---|
| **16** | 1 | 1 | 080269212 |
| **19** | 1 | 1 | 080269216 |

## 8029R

bow shackles with screw collar pins, high-tensile alloy steel, GRADE 6, hot-dipped galvanized body

EN 13889
GRADO 6

**TECHNICAL DATA**
- minimum safety factor: 6
- heat treatment: hardening and tempering
- traceability code on pin and body

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)
- proof load test (2 x WLL)

**AVAILABLE CERTIFICATES**
- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Inspection Certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| ØD mm | ØA mm | H mm | WLL kg | | |
|---|---|---|---|---|---|
| **8** | 6 | 13 | 500 | 20 | 080290106 |
| **10** | 8 | 13,5 | 750 | 15 | 080290108 |
| **11** | 10 | 17 | 1000 | 15 | 080290110 |
| **13** | 11 | 18,5 | 1500 | 10 | 080290111 |
| **16** | 13 | 20,5 | 2000 | 8 | 080290112 |
| **19** | 16 | 27 | 3250 | 5 | 080290116 |
| **22** | 19 | 32 | 4750 | 2 | 080290120 |
| **25** | 22 | 37 | 6500 | 2 | 080290122 |
| **28** | 26 | 43,5 | 8500 | 1 | 080290124 |
| **32** | 29 | 48 | 9500 | 1 | 080290128 |
| **35** | 32 | 53 | 12000 | 1 | 080290132 |
| **38** | 35 | 59 | 13500 | 1 | 080290135 |
| **42** | 38 | 62 | 17000 | 1 | 080290138 |
| **50** | 45 | 75 | 25000 | 1 | 080290145 |
| **57** | 50 | 83 | 35000 | 1 | 080290150 |
| **65** | 57 | 95 | 42500 | 1 | 080290157 |
| **70** | 65 | 105 | 55000 | 1 | 080290165 |

special free service boxes

| ØD mm | | | |
|---|---|---|---|
| **8** | 1 | 1 | 080299106 |
| **10** | 1 | 1 | 080299108 |
| **11** | 1 | 1 | 080299110 |
| **13** | 1 | 1 | 080299111 |
| **16** | 1 | 1 | 080299112 |
| **19** | 1 | 1 | 080299116 |

## 8031R

bow shackles with safety bolt, EN13889 high-tensile alloy steel, GRADE 6, hot-dip galvanized body

EN 13889
GRADO 6

**TECHNICAL DATA**
- minimum safety factor: 6
- heat treatment: hardening and tempering
- traceability code on pin and body

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)
- proof load test (2 x WLL)

**AVAILABLE CERTIFICATES**
- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Inspection Certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| ØD mm | ØA mm | H mm | WLL kg | | |
|---|---|---|---|---|---|
| **11** | 10 | 17 | 1000 | 5 | 080310110 |
| **13** | 11 | 18 | 1500 | 5 | 080310111 |
| **16** | 13 | 21 | 2000 | 5 | 080310112 |
| **19** | 16 | 27 | 3250 | 3 | 080310116 |
| **22** | 19 | 32 | 4750 | 2 | 080310120 |
| **25** | 22 | 37 | 6500 | 2 | 080310122 |
| **28** | 26 | 43 | 8500 | 1 | 080310124 |
| **32** | 29 | 48 | 9500 | 1 | 080310128 |
| **35** | 32 | 53 | 12000 | 1 | 080310132 |
| **38** | 35 | 59 | 13500 | 1 | 080310135 |
| **42** | 38 | 62 | 17000 | 1 | 080310138 |
| **50** | 45 | 75 | 25000 | 1 | 080310145 |
| **57** | 50 | 83 | 35000 | 1 | 080310150 |
| **70** | 65 | 105 | 55000 | 1 | 080310165 |
| **83** | 75 | 127 | 85000 | 1 | 080310183 |

special free service boxes

| ØD mm | | | |
|---|---|---|---|
| **16** | 1 | 1 | 080319112 |
| **19** | 1 | 1 | 080319116 |

## 8032

bow shackles with square sunken hole screw pin, high-tensile alloy steel, GRADE 6, hot-dip galvanized body

GRADE 6

**TECHNICAL DATA**
- minimum safety factor: 6
- heat treatment: hardening and tempering
- traceability code on pin and body

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)
- proof load test (2 x WLL)

**AVAILABLE CERTIFICATES**
- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Inspection Certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

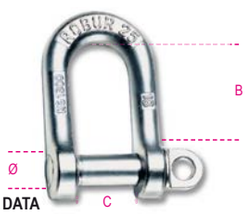
| ØD mm | ØA mm | H mm | WLL kg | | |
|---|---|---|---|---|---|
| **11** | 10 | 17 | 1000 | 5 | 080320010 |
| **16** | 13 | 21 | 2000 | 5 | 080320012 |
| **19** | 16 | 27 | 3250 | 3 | 080320016 |
| **22** | 19 | 32 | 4750 | 2 | 080320020 |
| **25** | 22 | 37 | 6500 | 2 | 080320022 |

special free service boxes

| ØD mm | | | |
|---|---|---|---|
| **16** | 1 | 1 | 080329012 |
| **19** | 1 | 1 | 080329016 |

## 8025

lifting LARGE DEE shackles, hot forged carbon steel, galvanized




GRADO 4

**TECHNICAL DATA**
- safety factor: 5 • heat treatment: normalizing
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | ≈ " | B x C mm | WLL kg | | |
|---|---|---|---|---|---|
| **5** | 3/16 | 21x10 | 70 | 250 | 080250005 |
| **6** | 1/4 | 25x12 | 100 | 250 | 080250006 |
| **8** | 5/16 | 33x16 | 250 | 150 | 080250008 |
| **10** | 3/8 | 42x20 | 400 | 180 | 080250010 |
| **11** | 7/16 | 46x22 | 500 | 130 | 080250011 |
| **12** | 1/2 | 50x24 | 600 | 100 | 080250012 |
| **14** | 9/16 | 57x28 | 800 | 70 | 080250014 |
| **16** | 5/8 | 61x32 | 1000 | 10 | 080250016 |
| **18** | 11/16 | 65x36 | 1300 | 10 | 080250018 |
| **20** | 3/4 | 70x40 | 1600 | 10 | 080250020 |
| **22** | 7/8 | 74x44 | 2000 | 10 | 080250022 |
| **25** | 1" | 80x48 | 2800 | 2 | 080250025 |

special packaging

| Ø mm | " | | | |
|---|---|---|---|---|
| 5 | 3/16 | 25 | 1 | 080250705 |
| 6 | 1/4 | 25 | 1 | 080250706 |
| 8 | 5/16 | 25 | 1 | 080250708 |
| 10 | 3/8 | 15 | 1 | 080250710 |
| 11 | 7/16 | 12 | 1 | 080250711 |
| 12 | 1/2 | 12 | 1 | 080250712 |
| 14 | 9/16 | 10 | 1 | 080250714 |

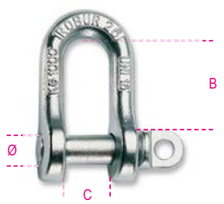
special free service boxes

| Ø mm | | | |
|---|---|---|---|
| 5 | 4 | 1 | 080259205 |
| 6 | 4 | 1 | 080259206 |
| 8 | 2 | 1 | 080259208 |
| 10 | 2 | 1 | 080259210 |
| 11 | 1 | 1 | 080259011 |
| 12 | 1 | 1 | 080259012 |
| 14 | 1 | 1 | 080259014 |
| 16 | 1 | 1 | 080259016 |
| 18 | 1 | 1 | 080259018 |
| 20 | 1 | 1 | 080259020 |
| 22 | 1 | 1 | 080259022 |
| 25 | 1 | 1 | 080259025 |

## 8026A

lifting DEE shackles,
hot forged carbon steel,
UNI 1947 type A, galvanized

CE




GRADO 4

**TECHNICAL DATA**
- safety factor: 5
- heat treatment: normalizing
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | ≈ " | B x C mm | WLL kg | | |
|---|---|---|---|---|---|
| 12 | 1/2 | 42x20 | 630 | 35 | 080260012 |
| 14 | 9/16 | 46x22 | 800 | 30 | 080260014 |
| 16 | 5/8 | 50x24 | 1000 | 20 | 080260016 |
| 18 | 11/16 | 54x26 | 1300 | 15 | 080260018 |
| 20 | 3/4 | 58x28 | 1600 | 10 | 080260020 |
| 22 | 7/8 | 69x32 | 2000 | 10 | 080260022 |
| 25 | 1" | 79x36 | 2500 | 5 | 080260025 |
| 28 | 1.1/8 | 90x40 | 3150 | 2 | 080260028 |
| 32 | 1.1/4 | 100x45 | 4000 | 1 | 080260032 |
| 36 | 1.3/8 | 110x50 | 5000 | 1 | 080260036 |
| 40 | 1.9/16 | 120x55 | 6300 | 1 | 080260040 |
| 42 | 1.5/8 | 131x60 | 8000 | 1 | 080260042 |
| 45 | 1.3/4 | 143x65 | 10000 | 1 | 080260045 |
| 50 | 2" | 155x70 | 12500 | 1 | 080260050 |

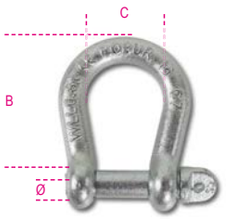
special free service boxes

| Ø mm | | | |
|---|---|---|---|
| 12 | 1 | 1 | 080269012 |
| 14 | 1 | 1 | 080269014 |
| 16 | 1 | 1 | 080269016 |
| 18 | 1 | 1 | 080269018 |
| 20 | 1 | 1 | 080269020 |
| 22 | 1 | 1 | 080269022 |
| 25 | 1 | 1 | 080269025 |

## 8028

lifting BOW shackles,
hot forged carbon steel,
galvanized

CE




GRADO 4

**TECHNICAL DATA**
- safety factor: 5
- heat treatment: normalizing
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | " | B x C mm | WLL kg | | |
|---|---|---|---|---|---|
| 5 | 3/16 | 20x16 | 80 | 100 | 080280105 |
| 6 | 1/4 | 24x20 | 100 | 70 | 080280106 |
| 8 | 5/16 | 32x24 | 200 | 35 | 080280108 |
| 10 | 3/8 | 40x33 | 300 | 25 | 080280110 |
| 12 | 1/2 | 48x39 | 500 | 15 | 080280112 |
| 14 | 9/16 | 56x46 | 600 | 7 | 080280114 |
| 16 | 5/8 | 64x46 | 800 | 10 | 080280116 |
| 18 | 11/16 | 71x59 | 950 | 5 | 080280118 |
| 20 | 3/4 | 80x65 | 1100 | 5 | 080280120 |
| 22 | 7/8 | 88x72 | 1500 | 5 | 080280122 |
| 25 | 1" | 100x81 | 2000 | 2 | 080280125 |
| 28 | 1.1/8 | 112x91 | 2600 | 1 | 080280128 |
| 32 | 1.1/4 | 128x104 | 3200 | 1 | 080280132 |
| 38 | 1.1/2 | 152x124 | 4500 | 1 | 080280138 |

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| 5 | 4 | 1 | 080289305 |
| 6 | 4 | 1 | 080289306 |
| 8 | 2 | 1 | 080289308 |
| 10 | 2 | 1 | 080289310 |
| 12 | 1 | 1 | 080289112 |
| 14 | 1 | 1 | 080289114 |
| 16 | 1 | 1 | 080289116 |
| 18 | 1 | 1 | 080289118 |
| 20 | 1 | 1 | 080289120 |
| 22 | 1 | 1 | 080289122 |

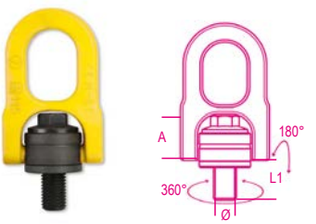
**8049 WLL (t)**

| | A° | M8 | M10 | M12 | M16 | M20 | M24 | M30 |
|---|---|---|---|---|---|---|---|---|
| | 0° | 0,3 | 0,6 | 1 | 1,6 | 2,5 | 4 | 6,3 |
| | 0° | 0,6 | 1,2 | 2 | 3,2 | 5 | 8 | 12,6 |
| | 90° | 0,3 | 0,6 | 1 | 1,6 | 2,5 | 4 | 6,3 |
| | 90° | 0,6 | 1,2 | 2 | 3,2 | 5 | 8 | 12,6 |
| | 0° 45° | 0,4 | 0,8 | 1,4 | 2,2 | 3,5 | 5,6 | 8,8 |
| | 46° 60° | 0,3 | 0,6 | 1 | 1,6 | 2,5 | 4 | 6,3 |
| | 0° 45° | 0,6 | 1,3 | 2,1 | 3,4 | 5,3 | 8,4 | 13,2 |
| | 46° 60° | 0,3 | 0,6 | 1 | 1,6 | 2,3 | 4 | 6,3 |

## 8049

adjustable lifting eyebolts,
double swivel ring,
high-tensile alloy steel

CE



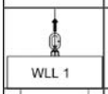
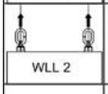
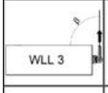
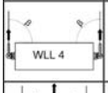
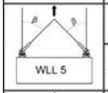
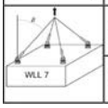

**TECHNICAL DATA**
- safety factor: 5
- heat treatment: hardening and tempering
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (20,000 cycles)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | A mm | L1 mm | WLL kg | | |
|---|---|---|---|---|---|
| M8 | 31,5 | 14 | 300 | 1 | 080490008 |
| M10 | 31,5 | 17 | 600 | 1 | 080490010 |
| M12 | 31,5 | 21 | 1000 | 1 | 080490012 |
| M16 | 45 | 27 | 1600 | 1 | 080490016 |
| M20 | 45 | 30 | 2500 | 1 | 080490020 |
| M24 | 60,5 | 36 | 4000 | 1 | 080490024 |
| M30 | 60,5 | 45 | 6300 | 1 | 080490030 |

## 8049A WLL (t)

| | β (°) | M8 | M10 | M12 | M16 | M20 | M24 | M30 |
|---|---|---|---|---|---|---|---|---|
|  WLL 1 | 0 | 600 | 900 | 1000 | 2000 | 4000 | 6300 | 10600 |
|  WLL 2 | 0 | 1200 | 1800 | 2000 | 4000 | 8000 | 12600 | 21200 |
|  WLL 3 | 90 | 300 | 450 | 500 | 1120 | 2000 | 3150 | 5300 |
|  WLL 4 | 90 | 600 | 900 | 1000 | 2240 | 4000 | 6300 | 10600 |
|  WLL 5 | 0-45 | 400 | 600 | 700 | 1400 | 2800 | 4250 | 7100 |
| | 45-60 | 300 | 400 | 500 | 1000 | 2000 | 3150 | 5300 |
|  WLL 7 | 0-45 | 600 | 900 | 1000 | 2100 | 4200 | 6300 | 11200 |
| | 45-60 | 400 | 600 | 750 | 1500 | 3000 | 4750 | 8000 |

# 8049A

lifting eyebolts,
double swivel ring, turnable under load,
with welded ring,
high-tensile alloy steel

CE

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (20,000 cycles)
- testing load (100% of batch)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | E mm | A mm | WLL kg | | |
|---|---|---|---|---|---|
| **M6** | 13 | 30 | 200 | 1 | 080490106 |
| **M8** | 13 | 30 | 300 | 1 | 080490108 |
| **M10** | 19 | 30 | 450 | 1 | 080490110 |
| **M12** | 19 | 30 | 500 | 1 | 080490112 |
| **M16** | 20 | 30 | 1120 | 1 | 080490116 |
| **M20** | 30 | 40 | 2000 | 1 | 080490120 |
| **M24** | 30 | 40 | 3150 | 1 | 080490124 |
| **M30** | 35 | 50 | 5300 | 1 | 080490130 |
| **M36** | 54 | 50 | 8000 | 1 | 080490136 |

# 8049V

lifting eyebolts
with offset brackets,
high-tensile alloy steel
**360° swivel eyebolt and swivel bracket**

CE

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (20,000 cycles)
- test load (100% of batch)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | E mm | B mm | WLL kg | | |
|---|---|---|---|---|---|
| **M12** | 18 | 37,5 | 1000 | 1 | 080490312 |
| **M16** | 24 | 37,5 | 1500 | 1 | 080490316 |
| **M20** | 35,5 | 54 | 2500 | 1 | 080490320 |
| **M24** | 35,5 | 54 | 4000 | 1 | 080490324 |

# 8041

lifting eyebolts,
high-tensile alloy steel

CE

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (20,000 cycles)
- proof load test (100% of batch)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | | E mm | WLL kg | | |
|---|---|---|---|---|---|
| **M6** | 1 | 11 | 400 | 10 | 080410206 |
| * **M8** | 1,25 | 13 | 800 | 10 | 080410208 |
| * **M10** | 1,5 | 17 | 1000 | 6 | 080410210 |
| * **M12** | 1,75 | 20,5 | 1600 | 4 | 080410212 |
| **M14** | 2 | 20,5 | 3000 | 2 | 080410214 |
| * **M16** | 2 | 27 | 3200 | 2 | 080410216 |
| **M18** | 2,5 | 27 | 5000 | 2 | 080410218 |
| * **M20** | 2,5 | 30 | 4800 | 2 | 080410220 |
| **M22** | 2,5 | 30 | 7000 | 2 | 080410222 |
| **M24** | 3 | 41 | 8000 | 2 | 080410225 |
| **M27** | 3 | 41 | 10000 | 1 | 080410227 |
| * **M30** | 3,5 | 45 | 12000 | 1 | 080410230 |

**(*) Dimensional specifications DIN 580:2010**
**WLL increased according to Robur Technical Product Specifications**

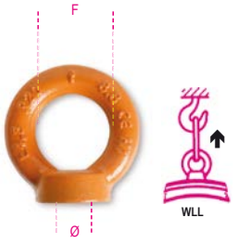
special free service boxes

| Ø mm | | | |
|---|---|---|---|
| * **M8** | 1 | 1 | 080419208 |
| * **M10** | 1 | 1 | 080419210 |
| * **M12** | 1 | 1 | 080419212 |

## 8043

lifting eye nuts,
high-tensile alloy steel

CE




**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (20,000 cycles)
- proof load test (100% of batch)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | | | | | |
|---|---|---|---|---|---|
| M6 | 1 | 20 | 400 | 10 | 080430206 |
| * M8 | 1,25 | 20 | 800 | 10 | 080430208 |
| * M10 | 1,50 | 25 | 1000 | 6 | 080430210 |
| * M12 | 1,75 | 30 | 1600 | 4 | 080430212 |
| M14 | 2 | 35 | 3000 | 2 | 080430214 |
| * M16 | 2 | 35 | 3200 | 2 | 080430216 |
| M18 | 2,5 | 40 | 5000 | 2 | 080430218 |
| M20 | 2,5 | 50 | 6000 | 2 | 080430221 |
| M22 | 2,5 | 50 | 7000 | 2 | 080430222 |
| * M24 | 3 | 50 | 6500 | 2 | 080430224 |
| M27 | 3 | 60 | 10000 | 1 | 080430227 |
| * M30 | 3,5 | 60 | 12000 | 1 | 080430230 |

**(*) Dimensional specifications DIN 582:2010**
**WLL increased according to Robur Technical Product Specifications**

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| * M8 | 1 | 1 | 080439208 |
| * M10 | 1 | 1 | 080439210 |
| * M12 | 1 | 1 | 080439212 |

## 8040EZ

lifting eye bolts,
galvanized

CE

DIN 580:2010-09(**)

**TECHNICAL DATA**
- safety factor: 6
- heat treatment: normalizing
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | mm | E mm | WLL kg | | |
|---|---|---|---|---|---|
| * M6 | 1 | 11 | 90 | 60 | 080400406 |
| M8 | 1,25 | 13 | 140 | 60 | 080400408 |
| M10 | 1,5 | 17 | 230 | 40 | 080400410 |
| M12 | 1,75 | 20,5 | 340 | 20 | 080400412 |
| * M14 | 2 | 20,5 | 480 | 20 | 080400414 |
| M16 | 2 | 27 | 700 | 10 | 080400416 |
| * M18 | 2,5 | 27 | 930 | 10 | 080400418 |
| M20 | 2,5 | 30 | 1200 | 10 | 080400420 |
| * M22 | 2,5 | 30 | 1450 | 10 | 080400422 |
| M24 | 3 | 36 | 1800 | 5 | 080400424 |
| * M27 | 3 | 41 | 2400 | 5 | 080400427 |
| M30 | 3,5 | 45 | 3200 | 2 | 080400430 |
| * M33 | 3,5 | 54 | 3900 | 2 | 080400433 |
| * M33F | 2 | 54 | 3900 | 2 | 080400434 |
| M36 | 4 | 54 | 4600 | 2 | 080400436 |
| * M36F | 3 | 54 | 4600 | 2 | 080400437 |
| M42 | 4,5 | 63 | 6300 | 1 | 080400442 |
| * M42F | 3 | 63 | 6300 | 1 | 080400443 |
| M48 | 5 | 68 | 8600 | 1 | 080400448 |
| * M48F | 3 | 68 | 8600 | 1 | 080400449 |
| M56 | 5,5 | 78 | 11500 | 1 | 080400456 |
| * M56F | 4 | 78 | 11500 | 1 | 080400457 |
| M64 | 6 | 90 | 16000 | 1 | 080400464 |
| * M64F | 4 | 90 | 16000 | 1 | 080400465 |

***Sizes dimensioned according to Robur Technical File**

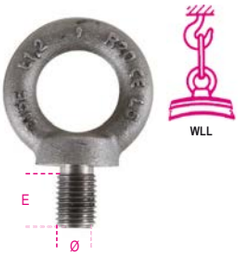
special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M6 | 4 | 1 | 080409606 |
| M8 | 4 | 1 | 080409608 |
| M10 | 2 | 1 | 080409610 |
| M12 | 1 | 1 | 080409412 |
| * M14 | 1 | 1 | 080409414 |
| M16 | 1 | 1 | 080409416 |
| * M18 | 1 | 1 | 080409418 |
| M20 | 1 | 1 | 080409420 |
| * M22 | 1 | 1 | 080409422 |
| M24 | 1 | 1 | 080409424 |
| * M27 | 1 | 1 | 080409427 |
| M30 | 1 | 1 | 080409430 |

## 8040EN

lifting eye bolts,
self-coloured

CE




DIN 580:2010-09(**)

**TECHNICAL DATA**
- safety factor: 6
- heat treatment: normalizing
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | mm | E mm | WLL kg | | |
|---|---|---|---|---|---|
| * M6 | 1 | 11 | 90 | 60 | 080400306 |
| M8 | 1,25 | 13 | 140 | 60 | 080400308 |
| M10 | 1,5 | 17 | 230 | 40 | 080400310 |
| M12 | 1,75 | 20,5 | 340 | 20 | 080400312 |
| * M14 | 2 | 20,5 | 480 | 20 | 080400314 |
| M16 | 2 | 27 | 700 | 10 | 080400316 |
| * M18 | 2,5 | 27 | 930 | 10 | 080400318 |
| M20 | 2,5 | 30 | 1200 | 10 | 080400320 |
| * M22 | 2,5 | 30 | 1450 | 10 | 080400322 |
| M24 | 3 | 36 | 1800 | 5 | 080400324 |
| * M27 | 3 | 41 | 2400 | 5 | 080400327 |
| M30 | 3,5 | 45 | 3200 | 2 | 080400330 |
| * M33 | 3,5 | 54 | 3900 | 2 | 080400333 |
| * M33F | 2 | 54 | 3900 | 2 | 080400334 |
| M36 | 4 | 54 | 4600 | 2 | 080400336 |
| * M36F | 3 | 54 | 4600 | 2 | 080400337 |
| M42 | 4,5 | 63 | 6300 | 1 | 080400342 |
| * M42F | 3 | 63 | 6300 | 1 | 080400343 |
| M48 | 5 | 68 | 8600 | 1 | 080400348 |
| * M48F | 3 | 68 | 8600 | 1 | 080400349 |
| M56 | 5,5 | 78 | 11500 | 1 | 080400356 |
| * M56F | 4 | 78 | 11500 | 1 | 080400357 |
| M64 | 6 | 90 | 16000 | 1 | 080400364 |
| * M64F | 4 | 90 | 16000 | 1 | 080400365 |

***Sizes dimensioned according to Robur Technical File**

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M6 | 4 | 1 | 080409506 |
| M8 | 4 | 1 | 080409508 |
| M10 | 2 | 1 | 080409510 |
| M12 | 1 | 1 | 080409312 |
| * M14 | 1 | 1 | 080409314 |
| M16 | 1 | 1 | 080409316 |
| * M18 | 1 | 1 | 080409318 |
| M20 | 1 | 1 | 080409320 |
| * M22 | 1 | 1 | 080409322 |
| M24 | 1 | 1 | 080409324 |
| * M27 | 1 | 1 | 080409327 |
| M30 | 1 | 1 | 080409330 |

## 8042EN

lifting eye nuts,
self-coloured

CE

DIN582:2010-09(**)

**TECHNICAL DATA**
- safety factor: 6
- heat treatment: normalizing
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | | F mm | WLL kg | | |
|---|---|---|---|---|---|
| * M6 | 1 | 14 | 90 | 60 | 080420306 |
| M8 | 1,25 | 20 | 140 | 60 | 080420308 |
| M10 | 1,5 | 25 | 230 | 40 | 080420310 |
| M12 | 1,75 | 30 | 340 | 30 | 080420312 |
| * M14 | 2 | 30 | 480 | 30 | 080420314 |
| M16 | 2 | 35 | 700 | 20 | 080420316 |
| * M18 | 2,5 | 35 | 930 | 20 | 080420318 |
| M20 | 2,5 | 40 | 1200 | 10 | 080420320 |
| * M22 | 2,5 | 40 | 1450 | 10 | 080420322 |
| M24 | 3 | 50 | 1800 | 5 | 080420324 |
| * M27 | 3 | 55 | 2400 | 5 | 080420327 |
| M30 | 3,5 | 60 | 3200 | 3 | 080420330 |
| M36 | 4 | 70 | 4600 | 2 | 080420336 |
| * M36F | 3 | 70 | 4600 | 2 | 080420337 |
| M42 | 4,5 | 80 | 6300 | 1 | 080420342 |
| * M42F | 3 | 80 | 6300 | 1 | 080420343 |
| M48 | 5 | 90 | 8600 | 1 | 080420348 |
| * M48F | 3 | 90 | 8600 | 1 | 080420349 |

***Sizes dimensioned according to Robur Technical File**

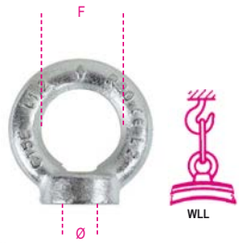
special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M6 | 4 | 1 | 080429506 |
| M8 | 4 | 1 | 080429508 |
| M10 | 2 | 1 | 080429510 |
| M12 | 1 | 1 | 080429312 |
| * M14 | 1 | 1 | 080429314 |
| M16 | 1 | 1 | 080429316 |
| * M18 | 1 | 1 | 080429318 |
| M20 | 1 | 1 | 080429320 |
| * M22 | 1 | 1 | 080429322 |
| M24 | 1 | 1 | 080429324 |
| * M27 | 1 | 1 | 080429327 |
| M30 | 1 | 1 | 080429330 |

## 8042EZ

lifting eye nuts,
galvanized

CE




DIN582:2010-09(**)

**TECHNICAL DATA**
- safety factor: 6
- heat treatment: normalizing
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | | F mm | WLL kg | | |
|---|---|---|---|---|---|
| * M6 | 1 | 14 | 90 | 60 | 080420406 |
| M8 | 1,25 | 20 | 140 | 60 | 080420408 |
| M10 | 1,5 | 25 | 230 | 40 | 080420410 |
| M12 | 1,75 | 30 | 340 | 30 | 080420412 |
| * M14 | 2 | 30 | 480 | 30 | 080420414 |
| M16 | 2 | 35 | 700 | 20 | 080420416 |
| * M18 | 2,5 | 35 | 930 | 20 | 080420418 |
| M20 | 2,5 | 40 | 1200 | 10 | 080420420 |
| * M22 | 2,5 | 40 | 1450 | 10 | 080420422 |
| M24 | 3 | 50 | 1800 | 5 | 080420424 |
| * M27 | 3 | 55 | 2400 | 5 | 080420427 |
| M30 | 3,5 | 60 | 3200 | 3 | 080420430 |
| M36 | 4 | 70 | 4600 | 2 | 080420436 |
| * M36F | 3 | 70 | 4600 | 2 | 080420437 |
| M42 | 4,5 | 80 | 6300 | 1 | 080420442 |
| * M42F | 3 | 80 | 6300 | 1 | 080420443 |
| M48 | 5 | 90 | 8600 | 1 | 080420448 |
| * M48F | 3 | 90 | 8600 | 1 | 080420449 |

***Sizes dimensioned according to Robur Technical File**

special free service boxes

| Ø mm | | | |
|---|---|---|---|
| M6 | 4 | 1 | 080429606 |
| M8 | 4 | 1 | 080429608 |
| M10 | 2 | 1 | 080429610 |
| M12 | 1 | 1 | 080429412 |
| * M14 | 1 | 1 | 080429414 |
| M16 | 1 | 1 | 080429416 |
| * M18 | 1 | 1 | 080429418 |
| M20 | 1 | 1 | 080429420 |
| * M22 | 1 | 1 | 080429422 |
| M24 | 1 | 1 | 080429424 |
| * M27 | 1 | 1 | 080429427 |
| M30 | 1 | 1 | 080429430 |

## 8044

lifting eye nuts, UNI 2948
self-coloured

CE

UNI 2948

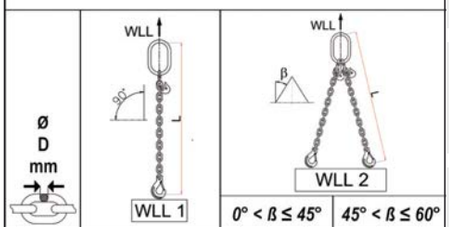
**TECHNICAL DATA**
- safety factor: 4
- heat treatment: normalizing
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test

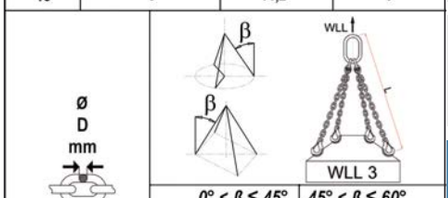
**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| Ø mm | | WLL kg | | |
|---|---|---|---|---|
| M8 | 1,25 | 80 | 4 | 080440008 |
| M10 | 1,5 | 160 | 4 | 080440010 |
| M12 | 1,75 | 250 | 4 | 080440012 |
| M14 | 2 | 250 | 2 | 080440014 |
| M16 | 2 | 400 | 2 | 080440016 |
| M20 | 2,5 | 630 | 2 | 080440020 |
| M24 | 3 | 1000 | 2 | 080440024 |

**WLL Ton** UNI EN 818



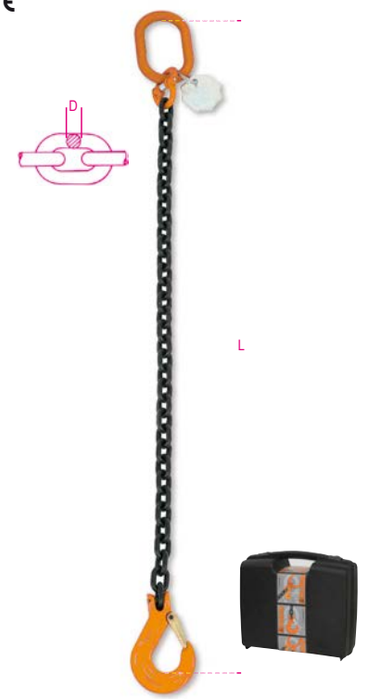

| Ø D mm | WLL 1 | WLL 2 0° < ß ≤ 45° | WLL 2 45° < ß ≤ 60° |
|---|---|---|---|
| 6 | 1,12 | 1,6 | 1,12 |
| 7 | 1,5 | 2,12 | 1,5 |
| 8 | 2 | 2,8 | 2 |
| 10 | 3,15 | 4,25 | 3,15 |
| 13 | 5,3 | 7,5 | 5,3 |
| 16 | 8 | 11,2 | 8 |




| Ø D mm | WLL 3 0° < ß ≤ 45° | WLL 3 45° < ß ≤ 60° |
|---|---|---|
| 6 | 2,36 | 1,7 |
| 7 | 3,15 | 2,24 |
| 8 | 4,25 | 3 |
| 10 | 6,7 | 4,75 |
| 13 | 11,2 | 8 |
| 16 | 17 | 11,2 |

## 8091
lifting chain slings, 1 leg
grade 8

CE




UNI EN 818-4

**TECHNICAL DATA**
- safety factor: 4
- chain-sling identification tag

**ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity

**AVAILABLE CERTIFICATES**
- Technical product specifications

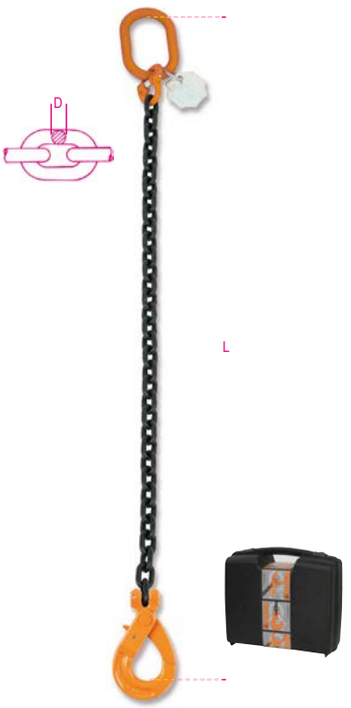
| D mm | L m | WLL ton | | |
|---|---|---|---|---|
| 6* | 1 | 1,12 | 1 | 080910001 |
| 6* | 2 | 1,12 | 1 | 080910002 |
| 6* | 3 | 1,12 | 1 | 080910003 |
| 6* | 4 | 1,12 | 1 | 080910004 |
| 7* | 1 | 1,5 | 1 | 080910021 |
| 7* | 2 | 1,5 | 1 | 080910022 |
| 7* | 3 | 1,5 | 1 | 080910023 |
| 7* | 4 | 1,5 | 1 | 080910024 |
| 8* | 1 | 2 | 1 | 080910041 |
| 8* | 2 | 2 | 1 | 080910042 |
| 8* | 3 | 2 | 1 | 080910043 |
| 8* | 4 | 2 | 1 | 080910044 |
| 10* | 1 | 3,15 | 1 | 080910051 |
| 10* | 2 | 3,15 | 1 | 080910052 |
| 10* | 3 | 3,15 | 1 | 080910053 |
| 10* | 4 | 3,15 | 1 | 080910054 |
| 13* | 1 | 5,3 | 1 | 080910131 |
| 13* | 2 | 5,3 | 1 | 080910132 |
| 13* | 3 | 5,3 | 1 | 080910133 |
| 13* | 4 | 5,3 | 1 | 080910134 |
| 16* | 1 | 8 | 1 | 080910161 |
| 16* | 2 | 8 | 1 | 080910162 |
| 16* | 3 | 8 | 1 | 080910163 |
| 16* | 4 | 8 | 1 | 080910164 |

*** packed in plastic case**

Robur

## 8091SL
lifting chain slings,
1 leg, self-locking hook,
grade 8

CE




UNI EN 818-4

**TECHNICAL DATA**
- safety factor: 4
- chain-sling identification tag

**ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity

**AVAILABLE CERTIFICATES**
- Technical product specifications

| D mm | L m | WLL ton | | |
|---|---|---|---|---|
| 6* | 1 | 1,12 | 1 | 080910201 |
| 6* | 2 | 1,12 | 1 | 080910202 |
| 6* | 3 | 1,12 | 1 | 080910203 |
| 6* | 4 | 1,12 | 1 | 080910204 |
| 7* | 1 | 1,5 | 1 | 080910221 |
| 7* | 2 | 1,5 | 1 | 080910222 |
| 7* | 3 | 1,5 | 1 | 080910223 |
| 7* | 4 | 1,5 | 1 | 080910224 |
| 8* | 1 | 2 | 1 | 080910241 |
| 8* | 2 | 2 | 1 | 080910242 |
| 8* | 3 | 2 | 1 | 080910243 |
| 8* | 4 | 2 | 1 | 080910244 |
| 10* | 1 | 3,15 | 1 | 080910251 |
| 10* | 2 | 3,15 | 1 | 080910252 |
| 10* | 3 | 3,15 | 1 | 080910253 |
| 10* | 4 | 3,15 | 1 | 080910254 |
| 13* | 1 | 5,3 | 1 | 080910331 |
| 13* | 2 | 5,3 | 1 | 080910332 |
| 13* | 3 | 5,3 | 1 | 080910333 |
| 13* | 4 | 5,3 | 1 | 080910334 |
| 16* | 1 | 8 | 1 | 080910361 |
| 16* | 2 | 8 | 1 | 080910362 |
| 16* | 3 | 8 | 1 | 080910363 |
| 16* | 4 | 8 | 1 | 080910364 |

*** Packed in plastic case**

## 8092
lifting chains sling, 2 legs
grade 8

CE

UNI EN 818-4

**TECHNICAL DATA**
- safety factor: 4
- chain-sling identification tag

**ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity

**AVAILABLE CERTIFICATES**
- Technical product specifications

| D mm | L m | WLL ton | | |
|---|---|---|---|---|
| 6* | 1 | 1,6 | 1 | 080920001 |
| 6* | 2 | 1,6 | 1 | 080920002 |
| 6* | 3 | 1,6 | 1 | 080920003 |
| 6* | 4 | 1,6 | 1 | 080920004 |
| 7* | 1 | 2,12 | 1 | 080920021 |
| 7* | 2 | 2,12 | 1 | 080920022 |
| 7* | 3 | 2,12 | 1 | 080920023 |
| 7* | 4 | 2,12 | 1 | 080920024 |
| 8* | 1 | 2,8 | 1 | 080920041 |
| 8* | 2 | 2,8 | 1 | 080920042 |
| 8* | 3 | 2,8 | 1 | 080920043 |
| 8* | 4 | 2,8 | 1 | 080920044 |
| 10* | 1 | 4,25 | 1 | 080920051 |
| 10* | 2 | 4,25 | 1 | 080920052 |
| 10* | 3 | 4,25 | 1 | 080920053 |
| 10* | 4 | 4,25 | 1 | 080920054 |
| 13* | 1 | 7,5 | 1 | 080920131 |
| 13* | 2 | 7,5 | 1 | 080920132 |
| 13 | 3 | 7,5 | 1 | 080920133 |
| 13 | 4 | 7,5 | 1 | 080920134 |
| 16* | 1 | 11,2 | 1 | 080920161 |
| 16 | 2 | 11,2 | 1 | 080920162 |
| 16 | 3 | 11,2 | 1 | 080920163 |
| 16 | 4 | 11,2 | 1 | 080920164 |

*** packed in plastic case**

Robur

## 8092SL

lifting chain slings,
2 legs, self-locking hook,
grade 8

CE

UNI EN 818-4

**TECHNICAL DATA**
- safety factor: 4
- chain-sling identification tag

**ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity

**AVAILABLE CERTIFICATES**
- Technical product specifications

| D mm | L m | WLL ton | | |
|---|---|---|---|---|
| 6* | 1 | 1,6 | 1 | 080920201 |
| 6* | 2 | 1,6 | 1 | 080920202 |
| 6* | 3 | 1,6 | 1 | 080920203 |
| 6* | 4 | 1,6 | 1 | 080920204 |
| 7* | 1 | 2,12 | 1 | 080920221 |
| 7* | 2 | 2,12 | 1 | 080920222 |
| 7* | 3 | 2,12 | 1 | 080920223 |
| 7* | 4 | 2,12 | 1 | 080920224 |
| 8* | 1 | 2,8 | 1 | 080920241 |
| 8* | 2 | 2,8 | 1 | 080920242 |
| 8* | 3 | 2,8 | 1 | 080920243 |
| 8* | 4 | 2,8 | 1 | 080920244 |
| 10* | 1 | 4,25 | 1 | 080920251 |
| 10* | 2 | 4,25 | 1 | 080920252 |
| 10* | 3 | 4,25 | 1 | 080920253 |
| 10* | 4 | 4,25 | 1 | 080920254 |
| 13* | 1 | 7,5 | 1 | 080920331 |
| 13* | 2 | 7,5 | 1 | 080920332 |
| 13* | 3 | 7,5 | 1 | 080920333 |
| 13* | 4 | 7,5 | 1 | 080920334 |
| 16* | 1 | 11,2 | 1 | 080920361 |
| 16* | 2 | 11,2 | 1 | 080920362 |
| 16* | 3 | 11,2 | 1 | 080920363 |
| 16* | 4 | 11,2 | 1 | 080920364 |

*** Packed in plastic case**

## 8094

lifting chain sling, 4 legs
grade 8

CE

UNI EN 818-4

**TECHNICAL DATA**
- safety factor: 4
- chain-sling identification tag

**ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity

**AVAILABLE CERTIFICATES**
- Technical product specifications

| D mm | L m | WLL ton | | |
|---|---|---|---|---|
| 6* | 1 | 2,36 | 1 | 080940001 |
| 6* | 2 | 2,36 | 1 | 080940002 |
| 6* | 3 | 2,36 | 1 | 080940003 |
| 6* | 4 | 2,36 | 1 | 080940004 |
| 7* | 1 | 3,15 | 1 | 080940021 |
| 7* | 2 | 3,15 | 1 | 080940022 |
| 7* | 3 | 3,15 | 1 | 080940023 |
| 7* | 4 | 3,15 | 1 | 080940024 |
| 8* | 1 | 4,25 | 1 | 080940041 |
| 8* | 2 | 4,25 | 1 | 080940042 |
| 8* | 3 | 4,25 | 1 | 080940043 |
| 8 | 4 | 4,25 | 1 | 080940044 |
| 10* | 1 | 6,7 | 1 | 080940051 |
| 10 | 2 | 6,7 | 1 | 080940052 |
| 10 | 3 | 6,7 | 1 | 080940053 |
| 10 | 4 | 6,7 | 1 | 080940054 |
| 13 | 1 | 11,2 | 1 | 080940131 |
| 13 | 2 | 11,2 | 1 | 080940132 |
| 13 | 3 | 11,2 | 1 | 080940133 |
| 13 | 4 | 11,2 | 1 | 080940134 |
| 16 | 1 | 17 | 1 | 080940161 |
| 16 | 2 | 17 | 1 | 080940162 |
| 16 | 3 | 17 | 1 | 080940163 |
| 16 | 4 | 17 | 1 | 080940164 |

*** packed in plastic case**

## 8094SL

lifting chain slings,
4 legs, self-locking hook,
grade 8

CE

UNI EN 818-4

**TECHNICAL DATA**
- safety factor: 4
- chain-sling identification tag

**ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity

**AVAILABLE CERTIFICATES**
- Technical product specifications

| D mm | L m | WLL ton | | |
|---|---|---|---|---|
| 6* | 1 | 2,36 | 1 | 080940201 |
| 6* | 2 | 2,36 | 1 | 080940202 |
| 6* | 3 | 2,36 | 1 | 080940203 |
| 6* | 4 | 2,36 | 1 | 080940204 |
| 7* | 1 | 3,15 | 1 | 080940221 |
| 7* | 2 | 3,15 | 1 | 080940222 |
| 7* | 3 | 3,15 | 1 | 080940223 |
| 7* | 4 | 3,15 | 1 | 080940224 |
| 8* | 1 | 4,25 | 1 | 080940241 |
| 8* | 2 | 4,25 | 1 | 080940242 |
| 8* | 3 | 4,25 | 1 | 080940243 |
| 8 | 4 | 4,25 | 1 | 080940244 |
| 10* | 1 | 6,7 | 1 | 080940251 |
| 10 | 2 | 6,7 | 1 | 080940252 |
| 10 | 3 | 6,7 | 1 | 080940253 |
| 10 | 4 | 6,7 | 1 | 080940254 |
| 13 | 1 | 11,2 | 1 | 080940331 |
| 13 | 2 | 11,2 | 1 | 080940332 |
| 13 | 3 | 11,2 | 1 | 080940333 |
| 13 | 4 | 11,2 | 1 | 080940334 |
| 16 | 1 | 17 | 1 | 080940361 |
| 16 | 2 | 17 | 1 | 080940362 |
| 16 | 3 | 17 | 1 | 080940363 |
| 16 | 4 | 17 | 1 | 080940364 |

*** Packed in plastic case**

## 8096

lifting chain sling, 1 leg
with clevis grab hook,
grade 8

CE

UNI EN 818-4

**TECHNICAL DATA**
- **safety factor: 4**
- **chain-sling identification tag**

**ATTACHED CERTIFICATES**
- **Manufacturer's Certificate UNI EN818-4**
- **CE Declaration of Conformity**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**

| D mm | L m | WLL ton | | |
|---|---|---|---|---|
| 6* | 1 | 1,12 | 1 | 080960001 |
| 6* | 2 | 1,12 | 1 | 080960002 |
| 6* | 3 | 1,12 | 1 | 080960003 |
| 6* | 4 | 1,12 | 1 | 080960004 |
| 7* | 1 | 1,5 | 1 | 080960021 |
| 7* | 2 | 1,5 | 1 | 080960022 |
| 7* | 3 | 1,5 | 1 | 080960023 |
| 7* | 4 | 1,5 | 1 | 080960024 |
| 8* | 1 | 2 | 1 | 080960041 |
| 8* | 2 | 2 | 1 | 080960042 |
| 8* | 3 | 2 | 1 | 080960043 |
| 8* | 4 | 2 | 1 | 080960044 |
| 10* | 1 | 3,15 | 1 | 080960051 |
| 10* | 2 | 3,15 | 1 | 080960052 |
| 10* | 3 | 3,15 | 1 | 080960053 |
| 10* | 4 | 3,15 | 1 | 080960054 |
| 13* | 1 | 5,3 | 1 | 080960131 |
| 13* | 2 | 5,3 | 1 | 080960132 |
| 13* | 3 | 5,3 | 1 | 080960133 |
| 13* | 4 | 5,3 | 1 | 080960134 |
| 16* | 1 | 8 | 1 | 080960161 |
| 16* | 2 | 8 | 1 | 080960162 |
| 16* | 3 | 8 | 1 | 080960163 |
| 16 | 4 | 8 | 1 | 080960164 |

*** packed in plastic case**

## 8096SL

lifting chain slings,
1 leg, with self-locking and clevis grab hooks,
grade 8

CE

UNI EN 818-4

**TECHNICAL DATA**
- **safety factor: 4**
- **chain-sling identification tag**

**ATTACHED CERTIFICATES**
- **Manufacturer's Certificate UNI EN818-4**
- **CE Declaration of Conformity**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**

| D mm | L m | WLL ton | | |
|---|---|---|---|---|
| 6* | 1 | 1,12 | 1 | 080960201 |
| 6* | 2 | 1,12 | 1 | 080960202 |
| 6* | 3 | 1,12 | 1 | 080960203 |
| 6* | 4 | 1,12 | 1 | 080960204 |
| 7* | 1 | 1,5 | 1 | 080960221 |
| 7* | 2 | 1,5 | 1 | 080960222 |
| 7* | 3 | 1,5 | 1 | 080960223 |
| 7* | 4 | 1,5 | 1 | 080960224 |
| 8* | 1 | 2 | 1 | 080960241 |
| 8* | 2 | 2 | 1 | 080960242 |
| 8* | 3 | 2 | 1 | 080960243 |
| 8* | 4 | 2 | 1 | 080960244 |
| 10* | 1 | 3,15 | 1 | 080960251 |
| 10* | 2 | 3,15 | 1 | 080960252 |
| 10* | 3 | 3,15 | 1 | 080960253 |
| 10* | 4 | 3,15 | 1 | 080960254 |
| 13* | 1 | 5,3 | 1 | 080960331 |
| 13* | 2 | 5,3 | 1 | 080960332 |
| 13* | 3 | 5,3 | 1 | 080960333 |
| 13* | 4 | 5,3 | 1 | 080960334 |
| 16* | 1 | 8 | 1 | 080960361 |
| 16* | 2 | 8 | 1 | 080960362 |
| 16* | 3 | 8 | 1 | 080960363 |
| 16 | 4 | 8 | 1 | 080960364 |

*** Packed in plastic case**

## 8097

lifting chain sling, 2 legs
with clevis grab hooks,
grade 8

CE

UNI EN 818-4

**TECHNICAL DATA**
- **safety factor: 4**
- **chain-sling identification tag**

**ATTACHED CERTIFICATES**
- **Manufacturer's Certificate UNI EN818-4**
- **CE Declaration of Conformity**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**

| D mm | L m | WLL ton | | |
|---|---|---|---|---|
| 6* | 1 | 1,6 | 1 | 080970001 |
| 6* | 2 | 1,6 | 1 | 080970002 |
| 6* | 3 | 1,6 | 1 | 080970003 |
| 6* | 4 | 1,6 | 1 | 080970004 |
| 7* | 1 | 2,12 | 1 | 080970021 |
| 7* | 2 | 2,12 | 1 | 080970022 |
| 7* | 3 | 2,12 | 1 | 080970023 |
| 7* | 4 | 2,12 | 1 | 080970024 |
| 8* | 1 | 2,8 | 1 | 080970041 |
| 8* | 2 | 2,8 | 1 | 080970042 |
| 8* | 3 | 2,8 | 1 | 080970043 |
| 8* | 4 | 2,8 | 1 | 080970044 |
| 10* | 1 | 4,25 | 1 | 080970051 |
| 10* | 2 | 4,25 | 1 | 080970052 |
| 10* | 3 | 4,25 | 1 | 080970053 |
| 10* | 4 | 4,25 | 1 | 080970054 |
| 13* | 1 | 7,5 | 1 | 080970131 |
| 13* | 2 | 7,5 | 1 | 080970132 |
| 13 | 3 | 7,5 | 1 | 080970133 |
| 13 | 4 | 7,5 | 1 | 080970134 |
| 16 | 1 | 11,2 | 1 | 080970161 |
| 16 | 2 | 11,2 | 1 | 080970162 |
| 16 | 3 | 11,2 | 1 | 080970163 |
| 16 | 4 | 11,2 | 1 | 080970164 |

*** packed in plastic case**

## 8097SL

lifting chain slings,
2 legs, with self-locking and clevis grab hooks, grade 8

CE

UNI EN 818-4

**TECHNICAL DATA**
- safety factor: 4
- chain-sling identification tag

**ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity

**AVAILABLE CERTIFICATES**
- Technical product specifications

| D mm | L m | WLL ton | | |
|---|---|---|---|---|
| 6* | 1 | 1,6 | 1 | 080970201 |
| 6* | 2 | 1,6 | 1 | 080970202 |
| 6* | 3 | 1,6 | 1 | 080970203 |
| 6* | 4 | 1,6 | 1 | 080970204 |
| 7* | 1 | 2,12 | 1 | 080970221 |
| 7* | 2 | 2,12 | 1 | 080970222 |
| 7* | 3 | 2,12 | 1 | 080970223 |
| 7* | 4 | 2,12 | 1 | 080970224 |
| 8* | 1 | 2,8 | 1 | 080970241 |
| 8* | 2 | 2,8 | 1 | 080970242 |
| 8* | 3 | 2,8 | 1 | 080970243 |
| 8* | 4 | 2,8 | 1 | 080970244 |
| 10* | 1 | 4,25 | 1 | 080970251 |
| 10* | 2 | 4,25 | 1 | 080970252 |
| 10* | 3 | 4,25 | 1 | 080970253 |
| 10* | 4 | 4,25 | 1 | 080970254 |
| 13* | 1 | 7,5 | 1 | 080970331 |
| 13* | 2 | 7,5 | 1 | 080970332 |
| 13 | 3 | 7,5 | 1 | 080970333 |
| 13 | 4 | 7,5 | 1 | 080970334 |
| 16 | 1 | 11,2 | 1 | 080970361 |
| 16 | 2 | 11,2 | 1 | 080970362 |
| 16 | 3 | 11,2 | 1 | 080970363 |
| 16 | 4 | 11,2 | 1 | 080970364 |

*** Packed in plastic case**

## 8098

lifting chain sling, 4 legs
with clevis grab hooks,
grade 8

CE

UNI EN 818-4

**TECHNICAL DATA**
- safety factor: 4
- chain-sling identification tag

**ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity

**AVAILABLE CERTIFICATES**
- Technical product specifications

| D mm | L m | WLL ton | | |
|---|---|---|---|---|
| 6* | 1 | 2,36 | 1 | 080980001 |
| 6* | 2 | 2,36 | 1 | 080980002 |
| 6* | 3 | 2,36 | 1 | 080980003 |
| 6* | 4 | 2,36 | 1 | 080980004 |
| 7* | 1 | 3,15 | 1 | 080980021 |
| 7* | 2 | 3,15 | 1 | 080980022 |
| 7* | 3 | 3,15 | 1 | 080980023 |
| 7* | 4 | 3,15 | 1 | 080980024 |
| 8* | 1 | 4,25 | 1 | 080980041 |
| 8* | 2 | 4,25 | 1 | 080980042 |
| 8* | 3 | 4,25 | 1 | 080980043 |
| 8 | 4 | 4,25 | 1 | 080980044 |
| 10* | 1 | 6,7 | 1 | 080980051 |
| 10 | 2 | 6,7 | 1 | 080980052 |
| 10 | 3 | 6,7 | 1 | 080980053 |
| 10 | 4 | 6,7 | 1 | 080980054 |
| 13 | 1 | 11,2 | 1 | 080980131 |
| 13 | 2 | 11,2 | 1 | 080980132 |
| 13 | 3 | 11,2 | 1 | 080980133 |
| 13 | 4 | 11,2 | 1 | 080980134 |
| 16 | 1 | 17 | 1 | 080980161 |
| 16 | 2 | 17 | 1 | 080980162 |
| 16 | 3 | 17 | 1 | 080980163 |
| 16 | 4 | 17 | 1 | 080980164 |

*** packed in plastic case**

## 8098SL

lifting chain slings,
4 legs, with self-locking and clevis grab hooks, grade 8

CE

UNI EN 818-4

**TECHNICAL DATA**
- safety factor: 4
- chain-sling identification tag

**ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity

**AVAILABLE CERTIFICATES**
- Technical product specifications

| D mm | L m | WLL ton | | |
|---|---|---|---|---|
| 6* | 1 | 2,36 | 1 | 080980201 |
| 6* | 2 | 2,36 | 1 | 080980202 |
| 6* | 3 | 2,36 | 1 | 080980203 |
| 6* | 4 | 2,36 | 1 | 080980204 |
| 7* | 1 | 3,15 | 1 | 080980221 |
| 7* | 2 | 3,15 | 1 | 080980222 |
| 7* | 3 | 3,15 | 1 | 080980223 |
| 7* | 4 | 3,15 | 1 | 080980224 |
| 8* | 1 | 4,25 | 1 | 080980241 |
| 8* | 2 | 4,25 | 1 | 080980242 |
| 8 | 3 | 4,25 | 1 | 080980243 |
| 8* | 4 | 4,25 | 1 | 080980244 |
| 10* | 1 | 6,7 | 1 | 080980251 |
| 10 | 2 | 6,7 | 1 | 080980252 |
| 10 | 3 | 6,7 | 1 | 080980253 |
| 10 | 4 | 6,7 | 1 | 080980254 |
| 13 | 1 | 11,2 | 1 | 080980331 |
| 13 | 2 | 11,2 | 1 | 080980332 |
| 13 | 3 | 11,2 | 1 | 080980333 |
| 13 | 4 | 11,2 | 1 | 080980334 |
| 16 | 1 | 17 | 1 | 080980361 |
| 16 | 2 | 17 | 1 | 080980362 |
| 16 | 3 | 17 | 1 | 080980363 |
| 16 | 4 | 17 | 1 | 080980364 |

*** Packed in plastic case**

## 8085R

lifting master links,
high-tensile alloy steel

**WLL relates to use with 1 chain slings.**

EN 1677-4
GRADO 8

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test
- fatigue test (min. 20,000 cycles)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

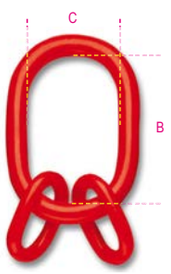
| | WLL kg | Ø mm | A mm | | |
|---|---|---|---|---|---|
| **8085R** | 1600 | 7 | 110 | 1 | 080850215 |
| **8085R** | 2120 | 8 | 110 | 1 | 080850220 |
| **8085R** | 3150 | 10 | 135 | 1 | 080850232 |
| **8085R** | 5300 | 13 | 160 | 1 | 080850253 |
| **8085 8,0** | 8000 | 16 | 180 | 1 | 080850080 |
| **8085 11,2** | 11200 | 19 | 200 | 1 | 080850190 |

*** If you match it with a chain 6mm in ø, WLL= 1120 kg**

## 8086

lifting master link assemblies
alloy steel, painted

*** WLL means the use with 3 or 4 chain slings and ß angle < 45°.**




EN 1677-4

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test
- fatigue test (min. 20,000 cycles)

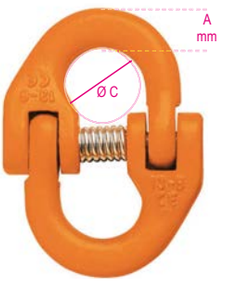
**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| WLL kg | Ø mm | B mm | C mm | | |
|---|---|---|---|---|---|
| * **3150** | 7 | 135 | 75 | 1 | 080860021 |
| **4250** | 8 | 160 | 90 | 1 | 080860042 |
| **6700** | 10 | 180 | 100 | 1 | 080860067 |
| **11200** | 13 | 200 | 110 | 1 | 080860100 |
| **17000** | 16 | 260 | 140 | 1 | 080860117 |

***If you match it with a chain 6 mm in Ø, WLL=2360 Kg.**

## 8090R

lifting connecting links
alloy steel, painted




EN 1677-1

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test
- fatigue test (min. 20,000 cycles)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| | Ø mm | WLL kg | ØC max | A mm | | |
|---|---|---|---|---|---|---|
| **8090R** | 6 | 1120 | 13 | 7,5 | 1 | 080900111 |
| **8090R** | 7 | 1500 | 18 | 9 | 1 | 080900115 |
| **8090R** | 8 | 2000 | 18 | 11 | 1 | 080900120 |
| **8090R** | 10 | 3150 | 22 | 13,0 | 1 | 080900131 |
| **8090R** | 13 | 5300 | 30 | 16 | 1 | 080900153 |
| **8090** | 16 | 8000 | 32 | | 1 | 080900080 |

## 8060R

Clevis chain hooks,
high-tensile alloy steel

EN 1677-2

**TECHNICAL DATA**
- safety coefficient: 4
- heat treatment: hardening and tempering
- Traceability code on pin, safety latch, body

**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test
- fatigue test (min. 20,000 cycles)

**AVAILABLE CERTIFICATES**
- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Inspection Certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| | WLL kg | Ø mm | C mm | | |
|---|---|---|---|---|---|
| **8060R** | 1120 | 6 | 19 | 1 | 080600111 |
| **8060R** | 1500 | 7 | 19 | 1 | 080600115 |
| **8060R** | 2000 | 8 | 21 | 1 | 080600120 |
| **8060R** | 3150 | 10 | 27 | 1 | 080600132 |
| **8060R** | 5300 | 13 | 35 | 1 | 080600153 |
| **8060** | 8000 | 16 | 48 | 1 | 080600080 |

## 8058R

self-locking lifting hooks,
Clevis type,
high-tensile alloy steel

EN 1677-3

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

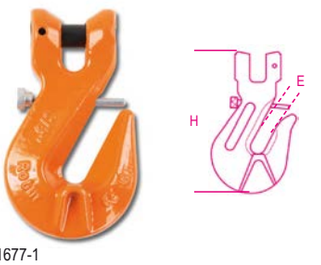
**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)
- proof load test (100% of batch)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| | WLL kg | Ø mm | J min mm | | |
|---|---|---|---|---|---|
| **8058R** | 1120 | 6 | 28 | 1 | 080580112 |
| **8058R** | 2000 | 7-8 | 34 | 1 | 080580120 |
| **8058R** | 3150 | 10 | 44 | 1 | 080580132 |
| **8058R** | 5300 | 13 | 52 | 1 | 080580153 |
| **8058** | 8000 | 16 | 67 | 1 | 080580080 |

## 8061R

Clevis grab hooks
with safety latch,
high-tensile alloy steel




EN 1677-1

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)
- proof load test (100% of batch)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| | WLL kg | Ø mm | E mm | | |
|---|---|---|---|---|---|
| **8061R** | 1120 | 6 | 8 | 1 | 080610211 |
| **8061R** | 2000 | 7-8 | 11 | 1 | 080610220 |
| **8061R** | 3150 | 10 | 13 | 1 | 080610231 |
| **8061R** | 5300 | 13 | 17 | 1 | 080610253 |
| **8061F** | 8000 | 16 | 20 | 1 | 080610180 |

## 8052

wire rope eye hooks,
high-tensile alloy steel

EN 1677-2

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

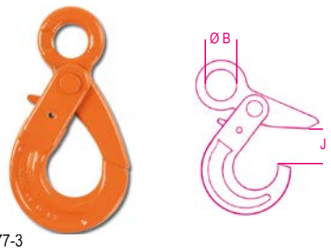
**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)
- proof load test (2 x WLL)

**AVAILABLE CERTIFICATES**
- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Inspection Certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| | WLL kg | C mm | | |
|---|---|---|---|---|
| **8052** | 800 | 18 | 1 | 080520008 |
| **8052** | 1120 | 22,5 | 1 | 080520011 |
| **8052** | 2000 | 30 | 1 | 080520020 |
| **8052** | 3150 | 36 | 1 | 080520031 |
| **8052** | 4000 | 39,5 | 1 | 080520040 |
| **8055S** | 5400 | 32 | 1 | 080550145 |
| **8055S** | 8000 | 43 | 1 | 080550170 |
| **8055S** | 11500 | 53 | 1 | 080550215 |
| **8055S** | 16000 | 58 | 1 | 080550260 |
| **8055S** | 22000 | 78 | 1 | 080550320 |

## 8057R

self-locking lifting hooks,
eye type,
high-tensile alloy steel




EN 1677-3

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

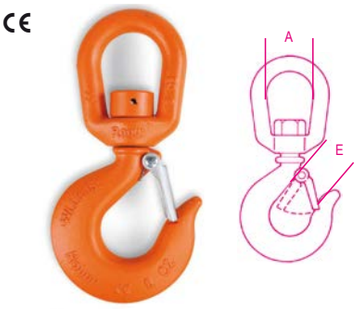
**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)
- proof load test (100% of batch)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| | WLL kg | Ø mm | J min mm | ØB mm | | |
|---|---|---|---|---|---|---|
| **8057R** | 1120 | 6 | 28 | 22 | 1 | 080570112 |
| **8057R** | 2000 | 7-8 | 34 | 25 | 1 | 080570120 |
| **8057R** | 3150 | 10 | 44 | 32 | 1 | 080570132 |
| **8057** | 5300 | 13 | 54 | 40 | 1 | 080570053 |

## 8063

lifting swivel hooks
(in unloaded condition)
high-tensile alloy steel




EN 1677-1

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)
- proof load test (100% of batch)

**AVAILABLE CERTIFICATES**
- Technical Product Specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| WLL kg | A mm | E mm | | |
|---|---|---|---|---|
| **800** | 32 | 20,5 | 1 | 080630008 |
| **1120** | 38 | 20,5 | 1 | 080630011 |
| **2000** | 44,5 | 22 | 1 | 080630020 |
| **3150** | 44,5 | 27 | 1 | 080630031 |

## 8063SL

self-locking swivel hooks
(not under load)
high-tensile alloy steel
grade 8

EN 1677-1

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

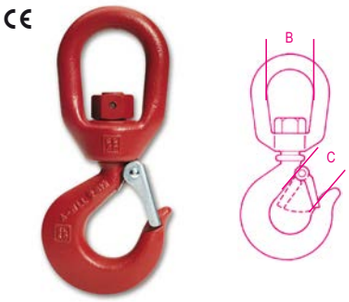
**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)
- load test (100% of batch)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| WLL kg | A mm | B mm | J mm | | |
|---|---|---|---|---|---|
| **1120** | 148 | 32 | 45 | 1 | 080630311 |
| **2000** | 182 | 35 | 59 | 1 | 080630320 |
| **3150** | 218 | 42 | 54 | 1 | 080630331 |
| **5300** | 269 | 49 | 83 | 1 | 080630353 |

## 8064S

swivel lifting hooks
(not under load)
carbon steel, painted




EN 1677-5

**TECHNICAL DATA**
- safety factor: 5
- heat treatment: hardening and tempering
- traceability code

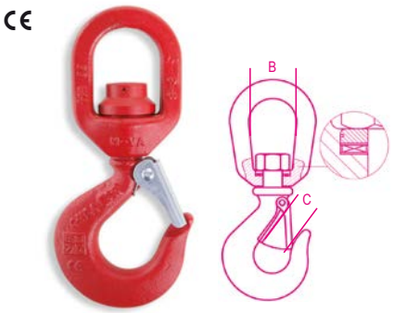
**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test
- fatigue test (min. 20,000 cycles)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| WLL kg | B mm | C mm | | |
|---|---|---|---|---|
| **800** | 31 | 20 | 1 | 080640107 |
| **1000** | 40 | 22 | 1 | 080640110 |
| **1600** | 47 | 23 | 1 | 080640115 |
| **2000** | 47 | 27 | 1 | 080640120 |
| **3200** | 64 | 35 | 1 | 080640130 |
| **5000** | 77 | 43 | 1 | 080640150 |
| **7500** | 90 | 53 | 1 | 080640175 |
| **10000** | 96 | 58 | 1 | 080640199 |

## 8065SC

swivel load lifting hooks
carbon steel, painted




EN 1677-5

**TECHNICAL DATA**
- safety factor: 5
- heat treatment: hardening and tempering
- traceability code

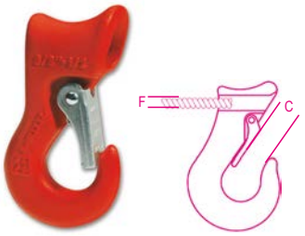
**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test
- fatigue test (min. 20,000 cycles)

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| WLL kg | B mm | C mm | | |
|---|---|---|---|---|
| **800** | 38 | 20 | 1 | 080650107 |
| **1000** | 38 | 22 | 1 | 080650110 |
| **1600** | 47 | 23 | 1 | 080650115 |
| **2000** | 47 | 27 | 1 | 080650120 |
| **3200** | 54 | 35 | 1 | 080650130 |
| **5000** | 72 | 43 | 1 | 080650150 |
| **7500** | 82 | 53 | 1 | 080650175 |

## 8062
slip hooks
alloy steel, painted

CE




**TECHNICAL DATA**
- safety factor: 5
- heat treatment: hardening and tempering
- traceability code

**LABORATORY TESTS**
- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| WLL kg | C mm | F mm | | |
|---|---|---|---|---|
| 1500 | 19 | 10-13 | 1 | 080620013 |
| 2000 | 21 | 16 | 1 | 080620016 |
| 3000 | 26 | 18 | 1 | 080620018 |
| 5000 | 34 | 22-25 | 1 | 080620025 |

## 8051S
lifting eye hooks,
carbon steel, galvanized

CE

GRADO 4

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: normalizing
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

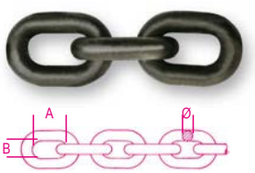
| WLL kg | C mm | F mm | | |
|---|---|---|---|---|
| 250 | 14 | 12 | 10 | 080510202 |
| 500 | 18 | 16,5 | 5 | 080510205 |

special free service boxes

| WLL kg | | | |
|---|---|---|---|
| 250 | 1 | 1 | 080519202 |
| 500 | 1 | 1 | 080519205 |

## 8100
lifting chains,
high-tensile alloy steel

CE




EN 818-2

**TECHNICAL DATA**
- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Manufacturer's Certificate EN818-2
- CE Declaration of Conformity

| WLL kg | Ø mm | A mm | B min mm | | |
|---|---|---|---|---|---|
| 1120 | 6 | 18 | 7,8 | 1 | 081000011 |
| 1500 | 7 | 21 | 11,0 | 1 | 081000016 |
| 2000 | 8 | 24 | 12,0 | 1 | 081000020 |
| 3150 | 10 | 30 | 14,5 | 1 | 081000032 |
| 5300 | 13 | 39 | 20,0 | 1 | 081000053 |
| 8000 | 16 | 48 | 20,8 | 1 | 081000080 |

## 8143
hand chain blocks

CE

EN13157

**Technical Data:**
- Safety factor: 4
- Identification tag

**Available Certificates:**
- Manufacturer's Certificate
- CE Declaration of Conformity
- Test Report UNI EN10204 type 2.2
- Technical Product Specifications

| WLL t | L m | H mm | sforzo / effort kg | | |
|---|---|---|---|---|---|
| 0,5 | 3 | 285 | 27 | 1 | 081430005 |
| 1 | 3 | 315 | 44 | 1 | 081430010 |
| 2 | 3 | 380 | 44 | 1 | 081430020 |
| 3 | 3 | 475 | 45 | 1 | 081430030 |
| 5 | 3 | 600 | 47 | 1 | 081430050 |
| 0,5 | 6 | 285 | 27 | 1 | 081430105 |
| 1 | 6 | 315 | 44 | 1 | 081430110 |
| 2 | 6 | 380 | 44 | 1 | 081430120 |
| 3 | 6 | 475 | 45 | 1 | 081430130 |
| 5 | 6 | 600 | 47 | 1 | 081430150 |

## 8146

lever hoists

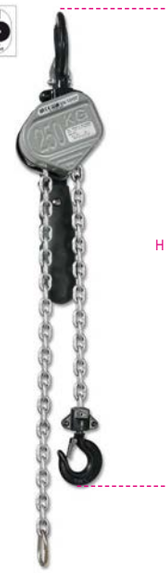
EN13157

**TECHNICAL DATA**
**safety factor: 4**
**identification tag**
**AVAILABLE CERTIFICATES**
**Manufacturer's Certificate**
**CE Declaration of Conformity**
**Test Report UNI EN10204 type 2.2**
**Technical Product Specifications**

| WLL t | L m | H mm | sforzo / effort kg | | |
|---|---|---|---|---|---|
| **0,75** | 1,5 | 320 | 21 | 1 | 081460008 |
| **1,5** | 1,5 | 380 | 41 | 1 | 081460015 |
| **3,0** | 1,5 | 480 | 41 | 1 | 081460030 |
| **6,0** | 1,5 | 600 | 46 | 1 | 081460060 |
| **0,75** | 3,0 | 320 | 21 | 1 | 081460108 |
| **1,5** | 3,0 | 380 | 41 | 1 | 081460115 |
| **3,0** | 3,0 | 480 | 41 | 1 | 081460130 |
| **6,0** | 3,0 | 600 | 46 | 1 | 081460160 |

## 8146C

lever hoist, compact



EN13157

**Technical data:**
- **Safety factor: 4**
- **Identification tag**

**Available Certificates:**
- **Manufacturer's Certificate**
- **CE Declaration of Conformity**
- **Test Report UNI EN10204 type 2.2**
- **Technical Product Specifications**

| WLL t | L m | H mm | sforzo / effort kg | | |
|---|---|---|---|---|---|
| **0,25** | 1,5 | 230 | 20,7 | 1 | 081460002 |

## 8149S/A

hoist chain bag,
made of black fabric

| A mm | C mm | 8143 t | 8143 L m | | |
|---|---|---|---|---|---|
| **100** | 250 | 0,5 - 1 | 3/6 - 3/6 | 1 | 081490510 |
| **120** | 350 | 2 - 3 | 3/6 - 3 | 1 | 081490512 |
| **150** | 450 | 3 - 5 | 6 - 3/6 | 1 | 081490515 |

## 8135

steel plate lifting clamps
with articulated lifting eyes

EN13155

**TECHNICAL DATA**
- **Safety factor: 3**
- **Serial number identification plate**

**AVAILABLE CERTIFICATES**
- **Manufacturer's Certificate**
- **CE Declaration of Conformity**
- **Test report UNI EN10204 type 2.2**
- **Technical product specifications**

| WLL t | A mm | kg | | |
|---|---|---|---|---|
| **0,75** | 0-15 | 2 | 1 | 081350005 |
| **1,0** | 0-20 | 5 | 1 | 081350010 |
| **2,0** | 0-25 | 8 | 1 | 081350020 |
| **3,0** | 0-30 | 15 | 1 | 081350032 |
| **5,0** | 0-50 | 23 | 1 | 081350050 |

## 8120

Genovese chains
for static connections,
galvanised

**TECHNICAL DATA**
- **safety factor: 4**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**

| Ø mm | nr | WFL kg | m | | |
|---|---|---|---|---|---|
| **1,5** | 10 | 8 | 150 | 1 | 081200015 |
| **1,6** | 12 | 15 | 150 | 1 | 081200016 |
| **2,2** | 14 | 25 | 75 | 1 | 081200022 |
| **2,7** | 16 | 40 | 75 | 1 | 081200027 |
| **3,0** | 17 | 55 | 75 | 1 | 081200030 |
| **3,4** | 18 | 100 | 60 | 1 | 081200034 |
| **3,8** | 19 | 110 | 50 | 1 | 081200038 |
| **4,4** | 20 | 200 | 40 | 1 | 081200044 |
| **4,8** | 21 | 250 | 30 | 1 | 081200048 |
| **5,5** | 22 | 300 | 25 | 1 | 081200055 |
| **5,8** | 23 | 310 | 25 | 1 | 081200058 |
| **6,5** | 24 | 400 | 25 | 1 | 081200065 |
| **7,5** | 26 | 550 | 20 | 1 | 081200075 |
| * **8,0** | 27 | 600 | 25 | 1 | 081200080 |
| * **9,0** | 28 | 800 | 25 | 1 | 081200090 |
| * **10,0** | 30 | 1000 | 20 | 1 | 081200100 |
| * **12,0** | 32 | 1400 | 15 | 1 | 081200120 |

**Caution: product NOT designed for lifting purposes**

**(*) available in COILS**

## 8120B

Genovese chains
for static connections,
galvanised

**TECHNICAL DATA**
- safety factor: 4

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report type 2.2 UNI EN10204

| Ø mm | nr | WFL kg | m | | |
|---|---|---|---|---|---|
| 1,5 | 10 | 8 | 200 | 1 | 081200315 |
| 1,6 | 12 | 15 | 200 | 1 | 081200316 |
| 2,2 | 14 | 25 | 100 | 1 | 081200322 |
| 2,7 | 16 | 40 | 100 | 1 | 081200327 |
| 3,0 | 17 | 55 | 75 | 1 | 081200330 |
| 3,4 | 18 | 100 | 100 | 1 | 081200334 |
| 3,8 | 19 | 110 | 75 | 1 | 081200338 |
| 4,4 | 20 | 200 | 50 | 1 | 081200344 |
| 4,8 | 21 | 250 | 50 | 1 | 081200348 |
| 5,5 | 22 | 300 | 40 | 1 | 081200355 |
| 5,8 | 23 | 310 | 30 | 1 | 081200358 |
| 6,5 | 24 | 400 | 30 | 1 | 081200365 |
| 7,5 | 26 | 550 | 25 | 1 | 081200375 |
| 8,0 | 27 | 600 | 15 | 1 | 081200380 |
| 9,0 | 28 | 800 | 15 | 1 | 081200390 |
| 10,0 | 30 | 1000 | 10 | 1 | 081200400 |
| 12,0 | 32 | 1400 | 8 | 1 | 081200420 |

**Caution: NOT for lifting**

## 8120D

calibrated chains DIN766
electrolytic galvanized
**available in any length on request (>30m)**

**TECHNICAL DATA**
- safety factor: 4

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| Ø mm | P mm | WFL kg | m | | |
|---|---|---|---|---|---|
| 4 | 16 | 200 | 30 | 1 | 081200640 |
| 5 | 18,5 | 320 | 30 | 1 | 081200650 |
| 6 | 18,5 | 400 | 30 | 1 | 081200660 |
| 7 | 22 | 630 | 30 | 1 | 081200670 |
| 8 | 24 | 800 | 30 | 1 | 081200680 |
| 10 | 28 | 1250 | 30 | 1 | 081200700 |

calibrated chains DIN766
HOT-DIP galvanized

| Ø mm | P mm | WFL kg | m | | |
|---|---|---|---|---|---|
| 4 | 16 | 200 | 30 | 1 | 081200840 |
| 5 | 18,5 | 320 | 30 | 1 | 081200850 |
| 6 | 18,5 | 400 | 30 | 1 | 081200860 |
| 7 | 22 | 630 | 30 | 1 | 081200870 |
| 8 | 24 | 800 | 30 | 1 | 081200880 |
| 10 | 28 | 1250 | 30 | 1 | 081200900 |

## 8129

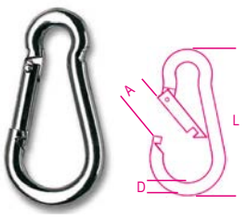
barrier chain,
made of galvanized metal painted in red and white

| Ø mm | m | | |
|---|---|---|---|
| 5 | 30 | 1 | 081290050 |

**Caution: NOT for lifting or anchoring**

## 8074

carabine hooks,
galvanized




DIN 5299

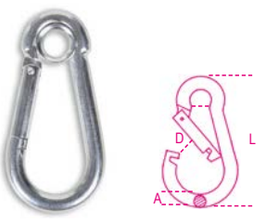
**TECHNICAL DATA**
- safety factor: 4

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| DxL mm | A mm | WFL kg | | |
|---|---|---|---|---|
| * 4x40 | 6 | 20 | 100 | 080740040 |
| 5x50 | 7 | 30 | 100 | 080740050 |
| 6x60 | 8 | 40 | 100 | 080740060 |
| 7x70 | 9 | 60 | 50 | 080740070 |
| 8x80 | 11 | 75 | 50 | 080740080 |
| 9x90 | 12 | 100 | 25 | 080740090 |
| 10x100 | 13 | 120 | 25 | 080740100 |
| 11x120 | 16 | 140 | 20 | 080740101 |
| 12x140 | 22 | 140 | 15 | 080740102 |
| 13x160 | 24 | 200 | 10 | 080740103 |
| * 14x180 | 32 | 250 | 5 | 080740104 |

## 8074A

ring carabine hooks,
galvanized




DIN 5299

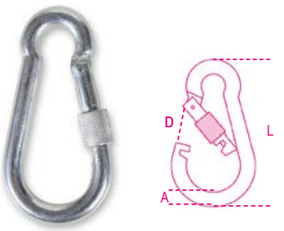
**TECHNICAL DATA**
- safety factor: 4

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| øAxL mm | D mm | WFL kg | | |
|---|---|---|---|---|
| 5x50 | 7,4 | 30 | 50 | 080740405 |
| 6x60 | 8,7 | 40 | 50 | 080740406 |
| 8x80 | 10,5 | 75 | 25 | 080740408 |
| 10x100 | 13,3 | 120 | 10 | 080740410 |

## 8074G

carabine hooks with screw nut,
galvanized



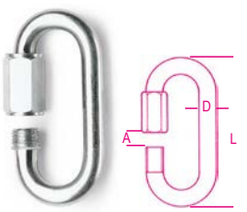

**TECHNICAL DATA**
- safety factor: 4

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| øAxL mm | D mm | WFL kg | | |
|---|---|---|---|---|
| 5x50 | 7,5 | 30 | 50 | 080740305 |
| 6x60 | 8,5 | 40 | 50 | 080740306 |
| 8x80 | 10,3 | 75 | 25 | 080740308 |
| 10x100 | 10,6 | 120 | 10 | 080740310 |

## 8080

quick links,
galvanized



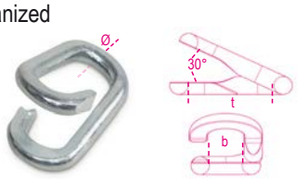

**TECHNICAL DATA**
- safety factor: 4

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| DxL mm | A mm | WFL kg | | |
|---|---|---|---|---|
| 3,5x36 | 5 | 20 | 100 | 080800003 |
| 4x40 | 6 | 30 | 100 | 080800004 |
| 5x49 | 6 | 50 | 100 | 080800005 |
| 6x57 | 8 | 60 | 100 | 080800006 |
| 7x66 | 8 | 100 | 50 | 080800007 |
| 8x74 | 11 | 140 | 50 | 080800008 |
| 9x80 | 11 | 160 | 25 | 080800009 |
| 10x89 | 11 | 220 | 25 | 080800010 |
| 12x105 | 15 | 300 | 20 | 080800012 |
| 14x125 | 16,5 | 400 | 3 | 080800014 |

## 8080FM

missing links,
galvanized

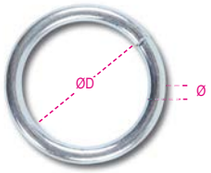



**TECHNICAL DATA**
- safety coefficient: 4

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| M | ød mm | b mm | t mm | | |
|---|---|---|---|---|---|
| 4 | 3,8 | 8,6 | 21,5 | 100 | 080800204 |
| 5 | 4,7 | 11,1 | 25,8 | 50 | 080800205 |
| 6 | 5,3 | 13,8 | 32,0 | 30 | 080800206 |
| 7 | 6,5 | 16,8 | 37,0 | 10 | 080800207 |
| 8 | 8,0 | 18,0 | 38,0 | 10 | 080800208 |

## 8082
rings
galvanised steel




**AVAILABLE CERTIFICATES:**
**Test Report UNI EN10204 type 2.2**

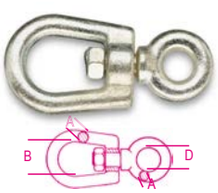
| Ø mm | ØD mm | | |
|---|---|---|---|
| 4 | 20 | 50 | 080820004 |
| 5 | 30 | 20 | 080820005 |
| 6 | 40 | 10 | 080820006 |
| 7 | 50 | 5 | 080820007 |
| 8 | 60 | 5 | 080820008 |

## 8083
S-hooks
galvanised steel

**AVAILABLE CERTIFICATES:**
**Test report UNI EN10204 type 2.2**

| Ø mm | L mm | | |
|---|---|---|---|
| 3 | 33 | 100 | 080830003 |
| 4 | 40 | 60 | 080830004 |
| 5 | 47 | 50 | 080830005 |
| 6 | 59 | 30 | 080830006 |
| 8 | 79 | 10 | 080830008 |

## 8114
oblong eye swivels,
galvanized



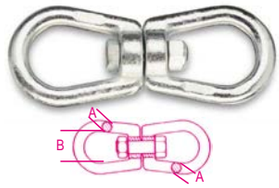

**TECHNICAL DATA**
- **safety factor: 4**
- **traceability code**

**LABORATORY TESTS**
- **tensile test**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**
- **Inspection certificate UNI EN10204 type 3.1**

| A mm | B mm | D mm | WFL kg | | |
|---|---|---|---|---|---|
| 8 | 30 | 16 | 250 | 10 | 081140008 |
| 10 | 38 | 18 | 300 | 10 | 081140010 |
| 12 | 42 | 20 | 650 | 5 | 081140012 |
| 14 | 48 | 22 | 820 | 5 | 081140014 |
| 16 | 57 | 24 | 1000 | 3 | 081140016 |
| 18 | 64 | 26 | 1600 | 3 | 081140018 |
| 20 | 72 | 30 | 2000 | 1 | 081140020 |
| 22 | 80 | 34 | 2500 | 1 | 081140022 |

## 8116
oblong eye & eye swivels,
galvanized



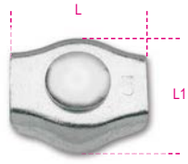

**TECHNICAL DATA**
- **safety factor: 4**
- **traceability code**

**LABORATORY TESTS**
- **tensile test**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**
- **Inspection certificate UNI EN10204 type 3.1**

| A mm | B mm | WFL kg | | |
|---|---|---|---|---|
| 6 | 23 | 140 | 10 | 081160006 |
| 8 | 30 | 250 | 10 | 081160008 |
| 10 | 38 | 300 | 5 | 081160010 |
| 12 | 42 | 650 | 5 | 081160012 |
| 14 | 48 | 820 | 3 | 081160014 |
| 16 | 57 | 1000 | 3 | 081160016 |
| 18 | 64 | 1600 | 1 | 081160018 |
| 20 | 72 | 2000 | 1 | 081160020 |
| 22 | 80 | 2500 | 1 | 081160022 |

## 8317SZ
simplex wire rope clips
galvanized




**AVAILABLE CERTIFICATES**
- **Test report UNI EN10204 type 2.2**

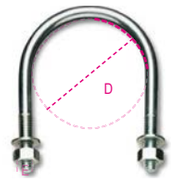
| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 2 | 15 | 14 | 100 | 083170102 |
| 3 | 18 | 16 | 100 | 083170103 |
| 4 | 20 | 19 | 100 | 083170104 |
| 5 | 24 | 23 | 50 | 083170105 |
| 6 | 30 | 27 | 30 | 083170106 |
| 8 | 36 | 34 | 20 | 083170108 |
| 10 | 42 | 37 | 10 | 083170110 |

## 8317DZ
duplex wire rope clips
galvanized

**AVAILABLE CERTIFICATES**
- **Test report UNI EN10204 type 2.2**

| Ø mm | L mm | L1 mm | | |
|---|---|---|---|---|
| 2 | 30 | 14 | 50 | 083170002 |
| 3 | 35 | 15 | 50 | 083170003 |
| 4 | 40 | 18 | 50 | 083170004 |
| 5 | 50 | 21 | 25 | 083170005 |
| 6 | 60 | 25 | 20 | 083170006 |
| 8 | 76 | 33 | 10 | 083170008 |
| 10 | 95 | 37 | 10 | 083170010 |

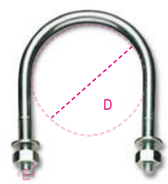
## 8381SL
U bolts for pipes, light type,
galvanized




**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**

| D mm | D gas | E mm | | |
|---|---|---|---|---|
| 11 | 1/8" | M6 | 100 | 083810201 |
| 14 | 1/4" | M6 | 100 | 083810202 |
| 18 | 3/8" | M6 | 100 | 083810203 |
| 22 | 1/2" | M6 | 100 | 083810204 |
| 27 | 3/4" | M6 | 100 | 083810205 |
| 34 | 1" | M6 | 100 | 083810206 |
| 43 | 1"1/4 | M6 | 100 | 083810207 |
| 49 | 1"1/2 | M8 | 50 | 083810208 |
| 61 | 2" | M8 | 50 | 083810209 |
| 77 | 2"1/2 | M8 | 25 | 083810210 |
| 89 | 3" | M8 | 25 | 083810211 |
| 102 | 3"1/2 | M8 | 25 | 083810212 |
| 115 | 4" | M8 | 25 | 083810213 |
| 140 | 5" | M8 | 25 | 083810215 |
| 168 | 6" | M10 | 25 | 083810218 |
| 220 | 8" | M10 | 10 | 083810220 |

## 8381SP
U bolts for pipes, heavy type,
galvanized

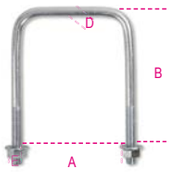



**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**

| D mm | D gas | E mm | | |
|---|---|---|---|---|
| 22 | 1/2" | M8 | 100 | 083810301 |
| 27 | 3/4" | M8 | 100 | 083810302 |
| 34 | 1" | M8 | 100 | 083810303 |
| 43 | 1"1/4 | M8 | 100 | 083810304 |
| 49 | 1"1/2 | M10 | 25 | 083810305 |
| 61 | 2" | M10 | 25 | 083810306 |
| 77 | 2"1/2 | M10 | 25 | 083810307 |
| 89 | 3" | M10 | 25 | 083810308 |
| 102 | 3"1/2 | M12 | 25 | 083810309 |
| 115 | 4" | M12 | 15 | 083810310 |
| 140 | 5" | M12 | 15 | 083810312 |
| 168 | 6" | M16 | 15 | 083810315 |
| 220 | 8" | M16 | 10 | 083810320 |
| 274 | 10" | M16 | 1 | 083810374 |
| 274 | 10" | M20 | 1 | 083810375 |
| 324 | 12" | M20 | 1 | 083810386 |
| 408 | 16" | M24 | 1 | 083810508 |

Robur

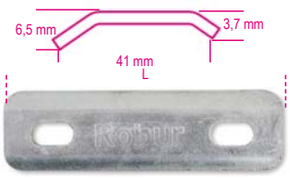
## 8383C
square U bolts,
hot galvanized
**Flanged nuts**




**AVAILABLE CERTIFICATES**
- **Technical Product Specifications**
- **Test Report UNI EN10204 type 2.2**

| A mm | E mm | B mm | D mm | | |
|---|---|---|---|---|---|
| **70** | M10 | 110 | 8,55 | 130 | 083830070 |
| **80** | M10 | 120 | 8,55 | 110 | 083830080 |
| **90** | M10 | 130 | 8,55 | 100 | 083830090 |
| **100** | M10 | 155 | 8,55 | 90 | 083830100 |
| **120** | M10 | 175 | 8,55 | 70 | 083830120 |

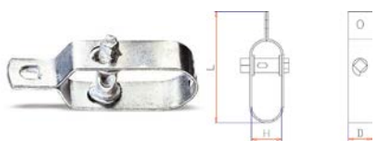
## 8383P
plates for square U bolts
hot galvanized




**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**

| | L mm | | |
|---|---|---|---|
| **8383P 150** 8383C/70-80 /90-100 | 150 | 150 | 083830214 |
| **8383P 170** 8383C/100-120 | 170 | 120 | 083830217 |

## 8515Z
wire tenders, galvanized




**Available Certificates**
- **Test Report UNI EN10204 type 2.2**

| D mm | H mm | L mm | | |
|---|---|---|---|---|
| **20** | 25 | 93 | 50 | 085150002 |
| **24,5** | 30 | 100 | 50 | 085150003 |

## 8515V
wire tenders,
galvanized and painted

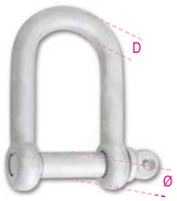
**Available Certificates**
- **Test Report UNI EN10204 type 2.2**

| D mm | H mm | L mm | | |
|---|---|---|---|---|
| **20** | 25 | 93 | 50 | 085150102 |
| **24,5** | 30 | 100 | 50 | 085150103 |

## 8515CH
wire tender keys,
galvanized

| L mm | A mm | B mm | | |
|---|---|---|---|---|
| **90** | 8 | 7,5 | 20 | 085150901 |

## 8531
dee FISHING shackles,
hot-dip galvanized




**AVAILABLE CERTIFICATES**
- **Test report UNI EN10204 type 2.2**

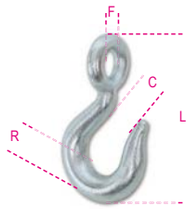
| Ø mm | D mm | WFL kg | | |
|---|---|---|---|---|
| **20** | 18 | 1600 | 1 | 085310018 |
| **22** | 20 | 2500 | 1 | 085310020 |

## 8532
dee FISHING shackles
with square head screw pin,
black painted

**AVAILABLE CERTIFICATES**
- **Test report UNI EN10204 type 2.2**

| Ø mm | D mm | WFL kg | | |
|---|---|---|---|---|
| **20** | 20 | 1600 | 1 | 085320020 |
| **22** | 22 | 2500 | 1 | 085320022 |

## 8535
fishing hooks,
galvanized




**AVAILABLE CERTIFICATES**
- **Test report UNI EN10204 type 2.2**

| R mm | C mm | F mm | L mm | | |
|---|---|---|---|---|---|
| **26** | 27,5 | 34 | 156 | 1 | 085350006 |
| **30** | 36,5 | 40 | 185 | 1 | 085350007 |

## 8130
antitheft chains, made of alloy steel,
case-hardened, tempered,
galvanised

**AVAILABLE CERTIFICATES:**
**Test report UNI EN10204 type 2.2**

| Ø mm | L mm | | |
|---|---|---|---|
| **6** | 800 | 1 | 081300068 |
| **8** | 1000 | 1 | 081300081 |
| **8** | 1200 | 1 | 081300082 |
| **10** | 1500 | 1 | 081300105 |

## 8130A
anti-theft chains with rings,
made of alloy steel, case-hardened, tempered,
galvanised

| Ø mm | L mm | | |
|---|---|---|---|
| **10** | 900 | 1 | 081300209 |

## 8131Z
antitheft chains with padlocks

| Ø mm | L mm | 8139Z Ø mm | | |
|---|---|---|---|---|
| **6** | 800 | 8 | 1 | 081310060 |
| **6** | 800 | 10 | 1 | 081310068 |
| **8** | 1000 | 10 | 1 | 081310081 |
| **8** | 1200 | 10 | 1 | 081310082 |
| **10** | 1500 | 10 | 1 | 081310105 |

## 8131DL
disc lock with anti-theft chain 8130A

| Ø mm | L mm | | |
|---|---|---|---|
| **10** | 900 | 1 | 081310209 |

## 8139DL

motorcycle disc locks,
made of hardened steel, shockproof PVC,
blister-packed

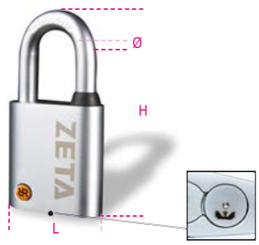
- **supplied with 3 keys, signalling cable, case**
- **suitable for 10mm chains**

| ø mm | L mm | H mm | | |
|---|---|---|---|---|
| **14** | 108 | 56 | 1 | 081390214 |

## 8139Z

padlocks for antitheft chains,
zinc alloy bodies

- **supplied with 3 mapped keys**
- **suitable for chains 6, 8, 10 mm**




| Ø mm | L mm | H mm | | |
|---|---|---|---|---|
| **8** | 45 | 90 | 1 | 081390008 |
| **10** | 55 | 98 | 1 | 081390009 |

## 8139ZCH

3 neutral spare keys
for locks 8139Z

| | | |
|---|---|---|
| **8139ZCH** | 1 | 081390909 |

**suitable for locks ø8 and ø10**

## 8050 D1÷D45

safety locks and spare parts kit for eye hooks

| | | |
|---|---|---|
| **8050D1** 8064S-8065SC/800 | 1 | 080500945 |
| **8050D2** 8064S-8065SC/1000 | 1 | 080500946 |
| **8050D3** 8064S-8065SC/1600-2000 | 1 | 080500947 |
| **8050D4** 8055S/5400 - 8064S-8065SC/3200 | 1 | 080500948 |
| **8050D5** 8055S/8000 8064S-8065SC/5000 | 1 | 080500949 |
| **8050D6** 8055S/11500 8064S/7500 | 1 | 080500950 |
| **8050D11** 8062/2000 | 1 | 080500955 |
| **8050D12** 8062/3000 | 1 | 080500956 |
| **8050D13** 8062/5000 | 1 | 080500957 |
| **8050D22** 8055S/16000 8064S/10000 | 1 | 080500966 |
| **8050D23** 8055S/22000 | 1 | 080500967 |
| **8050D24** 8051S/250 | 1 | 080500969 |
| **8050D25** 8051S/500 | 1 | 080500970 |
| **8050D29** 8061F/5300 | 1 | 080500974 |
| **8050D30** 8061F/8000 | 1 | 080500975 |
| **8050D32** 8060/8000 | 1 | 080500977 |
| **8050D33** 8052/800 | 1 | 080500978 |
| **8050D34** 8052/1120 | 1 | 080500979 |
| **8050D35** 8052/2000 | 1 | 080500980 |
| **8050D36** 8052/3150 | 1 | 080500981 |
| **8050D37** 8052/4000 | 1 | 080500982 |
| **8050D38** 8060R/1120 | 1 | 080500983 |
| **8050D53** 8060R/1500 | 1 | 080500994 |
| **8050D39** 8060R/2000 | 1 | 080500984 |
| **8050D40** 8060R/3150 | 1 | 080500985 |
| **8050D41** 8060R/5300 | 1 | 080500986 |
| **8050D42** 8063/800 | 1 | 080500987 |
| **8050D43** 8063/1120 | 1 | 080500988 |
| **8050D44** 8063/2000 | 1 | 080500989 |
| **8050D45** 8063/3150 | 1 | 080500990 |

| | | |
|---|---|---|
| **8050D46** 8061R/1120 | 1 | 080500991 |
| **8050D47** 8061R/2000 | 1 | 080500992 |
| **8050D48** 8061R/3150 | 1 | 080500993 |
| **8050D54** 8061R/5300 | 1 | 080500995 |

| | | |
|---|---|---|
| **8050 D49** 8057R - 8058R - 8063SL /1120 | 1 | 080500849 |
| **8050 D50** 8057R - 8058R - 8063SL /2000 | 1 | 080500850 |
| **8050 D51** 8057R - 8058R - 8063SL /3150 | 1 | 080500851 |
| **8050 D52** 8057R - 8058R - 8063SL /5300 | 1 | 080500852 |

## 8058R/PS

pin kit for hooks item 8058R-8061R

| | Ø mm | | |
|---|---|---|---|
| **8058R/PS** | 6 | 1 | 080580512 |
| **8058R/PS** | 7-8 | 1 | 080580520 |
| **8058R/PS** | 10 | 1 | 080580532 |
| **8058R/PS** | 13 | 1 | 080580553 |

## 8060R/PS

pin kit for hooks item 8060R

| | Ø mm | | |
|---|---|---|---|
| **8060R/PS** | 6 | 1 | 080600511 |
| **8060R/PS** | 7 | 1 | 080600515 |
| **8060R/PS** | 8 | 1 | 080600520 |
| **8060R/PS** | 10 | 1 | 080600532 |
| **8060R/PS** | 13 | 1 | 080600553 |

## 8143/RK

safety locks, pins and stops
for hand CHAIN blocks 8143

| | | |
|---|---|---|
| **8143/RK 0,5t** | 1 | 081430905 |
| **8143/RK 1,0t** | 1 | 081430915 |
| **8143/RK 2,0t** | 1 | 081430920 |
| **8143/RK 3,0t** | 1 | 081430930 |
| **8143/RK 5,0t** | 1 | 081430950 |

## 8146/RK

safety locks, pins and stops
for hand LEVER hoists 8146C-8146

| | | |
|---|---|---|
| **8146/RK 0,25t** | 1 | 081460902 |
| **8146/RK 0,75t** | 1 | 081460908 |
| **8146/RK 1,50t** | 1 | 081460915 |
| **8146/RK 3,00t** | 1 | 081460930 |
| **8146/RK 6,00t** | 1 | 081460960 |

## 8135/KGF

fixed jaws kit

**Responsibility for repairs rests with repairer.**

| | t | | |
|---|---|---|---|
| **8135/KGF** | 0,75 | 1 | 081350705 |
| **8135/KGF** | 1,00 | 1 | 081350710 |
| **8135/KGF** | 2,00 | 1 | 081350720 |
| **8135/KGF** | 3,00 | 1 | 081350730 |
| **8135/KGF** | 5,00 | 1 | 081350750 |

## 8135/KGM

moving jaws kit

**Responsibility for repairs rests with repairer.**

| 8135 | t | | |
|---|---|---|---|
| **8135/KGM** | 0,75 | 1 | 081350805 |
| **8135/KGM** | 1,00 | 1 | 081350810 |
| **8135/KGM** | 2,00 | 1 | 081350820 |
| **8135/KGM** | 3,00 | 1 | 081350830 |
| **8135/KGM** | 5,00 | 1 | 081350850 |

## 8135/KLA

operating lever kit

**Responsibility for repairs rests with repairer.**

| 8135 | t | | |
|---|---|---|---|
| **8135/KLA** | 0,75 | 1 | 081350905 |
| **8135/KLA** | 1,00 | 1 | 081350910 |
| **8135/KLA** | 2,00 | 1 | 081350920 |
| **8135/KLA** | 3,00 | 1 | 081350930 |
| **8135/KLA** | 5,00 | 1 | 081350950 |

## 8149CM

hand chains for chain blocks 8143

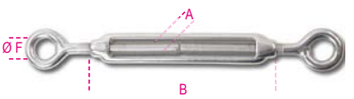
| Ø mm | B mm | t mm | | |
|---|---|---|---|---|
| **4,8** | 8,2 | 22,2 | 1 | 081490901 |

*** CAUTION: Product is delivered in one length of chain, unless otherwise specified in order!**

**Breaking force (BF)**
**on technical specifications**
**WWW.ROBURITALY.COM**

## 8205

eye and eye turnbuckle
AISI 316



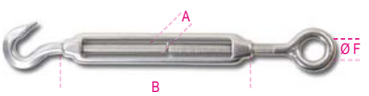

**LABORATORY TESTS**
- **chemical analysis**
- **tensile test**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**

| A mm | B mm | ø F mm | WFL kg | | |
|---|---|---|---|---|---|
| **M4** | 62 | 8 | 75 | 10 | 082050204 |
| **M5** | 72 | 11 | 115 | 10 | 082050205 |
| **M6** | 92 | 12 | 160 | 5 | 082050206 |
| **M8** | 122 | 14 | 300 | 5 | 082050208 |
| **M10** | 150 | 16 | 470 | 1 | 082050210 |
| **M12** | 201 | 18 | 690 | 1 | 082050212 |
| **M14** | 225 | 22 | 940 | 1 | 082050214 |
| **M16** | 244 | 26 | 1290 | 1 | 082050216 |
| **M20** | 295 | 29 | 2130 | 1 | 082050220 |
| **M24** | 350 | 33 | 3000 | 1 | 082050224 |

## 8206

hook and eye turnbuckle
AISI 316



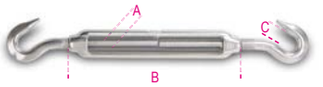

**LABORATORY TESTS**
- **chemical analysis**
- **tensile test**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**

| A mm | B mm | ø F mm | WFL kg | | |
|---|---|---|---|---|---|
| **M5** | 72 | 11 | 25 | 10 | 082060205 |
| **M6** | 92 | 12 | 45 | 5 | 082060206 |
| **M8** | 122 | 14 | 95 | 5 | 082060208 |
| **M10** | 150 | 16 | 140 | 1 | 082060210 |
| **M12** | 201 | 18 | 300 | 1 | 082060212 |
| **M14** | 225 | 22 | 420 | 1 | 082060214 |
| **M16** | 244 | 26 | 570 | 1 | 082060216 |
| **M20** | 295 | 29 | 875 | 1 | 082060220 |

## 8207

hook and hook turnbuckle
AISI 316



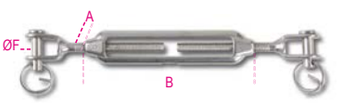

**LABORATORY TESTS**
- **chemical analysis**
- **tensile test**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**

| A mm | B mm | C mm | WFL kg | | |
|---|---|---|---|---|---|
| **M5** | 72 | 9 | 25 | 10 | 082070205 |
| **M6** | 92 | 9 | 45 | 5 | 082070206 |
| **M8** | 122 | 10 | 95 | 5 | 082070208 |
| **M10** | 150 | 12 | 140 | 1 | 082070210 |
| **M12** | 201 | 14 | 300 | 1 | 082070212 |
| **M14** | 225 | 15 | 420 | 1 | 082070214 |
| **M16** | 244 | 16 | 570 | 1 | 082070216 |
| **M20** | 295 | 19 | 875 | 1 | 082070220 |

## 8209

jaw and jaw turnbuckle
AISI 316



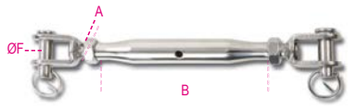

**LABORATORY TESTS**
- **chemical analysis**
- **tensile test**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**

| A mm | B mm | ø F mm | WFL kg | | |
|---|---|---|---|---|---|
| **M5** | 72 | 5 | 115 | 5 | 082090205 |
| **M6** | 92 | 6 | 160 | 5 | 082090206 |
| **M8** | 122 | 8 | 300 | 5 | 082090208 |
| **M10** | 150 | 10 | 470 | 1 | 082090210 |
| **M12** | 201 | 12 | 690 | 1 | 082090212 |
| **M14** | 225 | 14 | 940 | 1 | 082090214 |
| **M16** | 244 | 16 | 1290 | 1 | 082090216 |
| **M20** | 295 | 20 | 2130 | 1 | 082090220 |
| **M24** | 350 | 24 | 3060 | 1 | 082090224 |

## 8210

jaw and jaw pipe turnbuckle
AISI 316




**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| A mm | B mm | ø F mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 81 | 5 | 115 | 3 | 082100205 |
| M6 | 92 | 6 | 160 | 3 | 082100206 |
| M8 | 112 | 8 | 300 | 1 | 082100208 |
| M10 | 121 | 10 | 470 | 1 | 082100210 |
| M12 | 150 | 12 | 690 | 1 | 082100212 |
| M14 | 169 | 14 | 940 | 1 | 082100214 |
| M16 | 190 | 16 | 1290 | 1 | 082100216 |
| M20 | 220 | 20 | 2130 | 1 | 082100220 |

## 8201T

pipe bodies
AISI 316

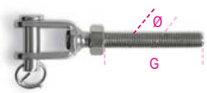
**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical Product Specifications
- Test Report UNI EN10204 type 2.2

| Ø mm | Ø " | WFL kg | L mm | | |
|---|---|---|---|---|---|
| M6 | 1/4 | 160 | 95 | 5 | 082010406 |
| M8 | 5/16 | 300 | 105 | 5 | 082010408 |
| M10 | 3/8 | 470 | 125 | 3 | 082010410 |
| M12 | 1/2 | 690 | 150 | 3 | 082010412 |
| M14 | 9/16 | 940 | 165 | 1 | 082010414 |
| M16 | 5/8 | 1290 | 190 | 1 | 082010416 |
| M20 | 3/4 | 2130 | 210 | 1 | 082010420 |

## 8210F

turnbuckle jaws,
stainless steel AISI 316




**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø mm | ≈ " | G mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 3/16 | 38,5 | 115 | 4 | 082100305 |
| M6 | 1/4 | 49 | 160 | 4 | 082100306 |
| M8 | 5/16 | 56 | 300 | 4 | 082100308 |
| M10 | 3/8 | 61 | 470 | 2 | 082100310 |
| M12 | 1/2 | 81 | 690 | 2 | 082100312 |
| M14 | 9/16 | 93 | 940 | 2 | 082100314 |

left-handed thread

| Ø mm | ≈ " | G mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 3/16 | 38,5 | 115 | 4 | 082100405 |
| M6 | 1/4 | 49 | 160 | 4 | 082100406 |
| M8 | 5/16 | 56 | 300 | 4 | 082100408 |
| M10 | 3/8 | 61 | 470 | 2 | 082100410 |
| M12 | 1/2 | 81 | 690 | 2 | 082100412 |
| M14 | 9/16 | 93 | 940 | 2 | 082100414 |

## 8248

eye tie rods,
stainless steel 316L,
right thread

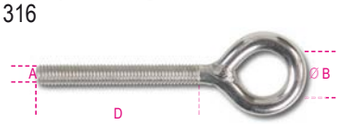
UNI 6058

**AVAILABLE CERTIFICATES**
- Technical Product Specifications
- Test Report UNI EN10204 type 2.2

| ØxL mm | F mm | | |
|---|---|---|---|
| 8X120 | 6 | 1 | 082480008 |
| 10x80 | 8 | 1 | 082480010 |
| 10x130 | 8 | 1 | 082480012 |
| 12x95 | 10 | 1 | 082480016 |
| 12x125 | 10 | 1 | 082480018 |

## 8249

fastening eyebolts, right thread
AISI 316



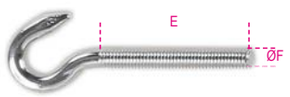

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| A mm | ø B mm | D mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 11 | 50 | 100 | 10 | 082490205 |
| M6 | 13 | 55 | 160 | 10 | 082490206 |
| M8 | 17 | 60 | 300 | 5 | 082490208 |
| M10 | 21 | 80 | 470 | 5 | 082490210 |
| M12 | 25 | 120 | 690 | 2 | 082490212 |

## 8249G

fastening hooks
AISI 316



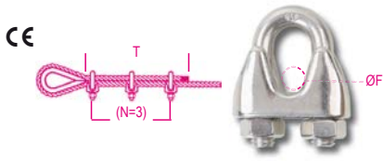

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical Product Specifications
- Test Report UNI EN10204 type 2.2

| A mm | E mm | ø F mm | WFL kg | | |
|---|---|---|---|---|---|
| M5 | 39 | 9 | 25 | 5 | 082490305 |
| M6 | 43 | 10,5 | 45 | 5 | 082490306 |
| M8 | 57 | 14,5 | 95 | 3 | 082490308 |

## 8216

wire rope clips
AISI 316




**LABORATORY TESTS**
- chemical analysis
- torque test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Certificate of Conformity

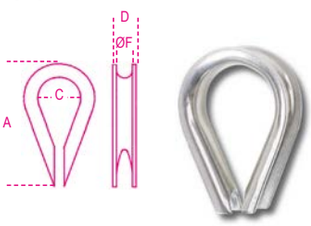
| ø F mm | " | T | N | | |
|---|---|---|---|---|---|
| 2 | 5/64 | 80 | 3 | 15 | 082160202 |
| 3 | 1/8 | 80 | 3 | 15 | 082160203 |
| 4 | 5/32 | 80 | 3 | 10 | 082160204 |
| 5 | 3/16 | 110 | 3 | 10 | 082160205 |
| 6 | 1/4 | 120 | 5 | 10 | 082160206 |
| 8 | 5/16 | 210 | 5 | 5 | 082160208 |
| 10 | 3/8 | 240 | 5 | 5 | 082160210 |
| 12-13 | 1/2 | 300 | 5 | 5 | 082160213 |
| 16 | 5/8 | 335 | 5 | 5 | 082160216 |
| 20 | 3/4 | 540 | 5 | 5 | 082160220 |
| 22 | 7/8 | 595 | 7 | 3 | 082160222 |

special free service boxes

| ø F mm | | | |
|---|---|---|---|
| 2 | 4 | 1 | 082169402 |
| 3 | 4 | 1 | 082169403 |
| 4 | 4 | 1 | 082169404 |
| 5 | 2 | 1 | 082169405 |
| 6 | 2 | 1 | 082169406 |
| 8 | 2 | 1 | 082169408 |
| 10 | 2 | 1 | 082169410 |

## 8220

thimbles
AISI 316




**LABORATORY TESTS**
- chemical analysis

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø F mm | D mm | A mm | C mm | | |
|---|---|---|---|---|---|
| 2 | 4,5 | 21 | 7,5 | 15 | 082200202 |
| 3 | 6 | 24 | 10 | 15 | 082200203 |
| 4 | 6,6 | 28 | 11 | 10 | 082200204 |
| 5 | 8,5 | 30 | 13 | 10 | 082200205 |
| 6 | 10 | 37 | 15 | 10 | 082200206 |
| 8 | 12,5 | 51 | 23 | 5 | 082200208 |
| 10 | 14,6 | 56 | 27 | 5 | 082200210 |
| 12 | 18 | 68 | 32 | 5 | 082200212 |
| 14 | 19 | 69 | 34 | 5 | 082200214 |
| 16 | 22 | 83 | 37 | 5 | 082200216 |
| 18 | 23 | 81 | 38 | 1 | 082200218 |
| 20 | 27,8 | 105 | 45 | 1 | 082200220 |
| 22 | 29,6 | 112 | 45 | 1 | 082200222 |

## 8225
dee shackles
AISI 316

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø D mm | " | A mm | WFL kg | | |
|---|---|---|---|---|---|
| **4** | 5/32 | 8 | 50 | 10 | 082250204 |
| **5** | 3/16 | 11 | 70 | 10 | 082250205 |
| **6** | 1/4 | 13 | 100 | 5 | 082250206 |
| **8** | 5/16 | 17 | 250 | 5 | 082250208 |
| **10** | 3/8 | 21 | 400 | 3 | 082250210 |
| **12** | 1/2 | 25 | 600 | 3 | 082250212 |
| **16** | 5/8 | 32 | 1000 | 1 | 082250216 |
| **19** | 3/4 | 38 | 1600 | 1 | 082250219 |
| **22** | 7/8 | 43 | 2000 | 1 | 082250222 |
| **25** | 1 | 46 | 2800 | 1 | 082250225 |

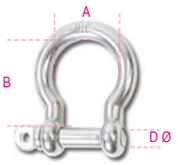
## 8227
long dee shackles
AISI 316

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø D mm | " | A mm | WFL kg | | |
|---|---|---|---|---|---|
| **4** | 5/32 | 8 | 50 | 10 | 082270204 |
| **5** | 3/16 | 10 | 70 | 10 | 082270205 |
| **6** | 1/4 | 13,5 | 100 | 5 | 082270206 |
| **8** | 5/16 | 17 | 250 | 5 | 082270208 |
| **10** | 3/8 | 21 | 400 | 2 | 082270210 |
| **12** | 1/2 | 25 | 600 | 1 | 082270212 |

## 8228
bow shackles
AISI 316




**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø D mm | A mm | B mm | WFL kg | | |
|---|---|---|---|---|---|
| **4** | 13 | 20 | 60 | 10 | 082280204 |
| **5** | 17 | 23 | 80 | 10 | 082280205 |
| **6** | 20 | 27 | 100 | 10 | 082280206 |
| **8** | 28 | 36 | 200 | 5 | 082280208 |
| **10** | 36 | 44 | 300 | 5 | 082280210 |
| **12** | 41 | 53 | 500 | 5 | 082280212 |
| **16** | 54 | 74 | 800 | 1 | 082280216 |
| **19** | 66 | 86 | 1100 | 1 | 082280219 |

## 8240F
lifting eye bolts, FORGED
stainless steel A4

CE

**TECHNICAL DATA**
- safety factor: 6
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

| ø mm | | WLL kg | | |
|---|---|---|---|---|
| **M6** | 1,0 | 120 | 4 | 082400406 |
| * **M8** | 1,25 | 200 | 4 | 082400408 |
| * **M10** | 1,5 | 400 | 4 | 082400410 |
| * **M12** | 1,75 | 600 | 4 | 082400412 |
| * **M14** | 2 | 1000 | 2 | 082400414 |
| * **M16** | 2 | 1200 | 2 | 082400416 |
| * **M20** | 2,5 | 2000 | 2 | 082400420 |
| * **M24** | 3 | 2700 | 2 | 082400424 |
| * **M30** | 3,5 | 4000 | 1 | 082400430 |

**(*) WLL increased compared to DIN standard according to Technical Specifications R/FT/8240F (guaranteed for stainless steel / stainless steel fits)**

## 8240
eye bolts,
stainless steel AISI 316

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| A mm | B mm | ø C mm | WFL kg | | |
|---|---|---|---|---|---|
| **M6** | 41 | 15 | 90 | 10 | 082400206 |
| **M8** | 50 | 20 | 140 | 10 | 082400208 |
| **M10** | 62 | 25 | 230 | 5 | 082400210 |
| **M12** | 74 | 30 | 340 | 5 | 082400212 |

## 8242F
lifting eye nuts, FORGED
stainless steel A4

CE

**TECHNICAL DATA**
- safety factor: 6
- traceability code

**LABORATORY TESTS**
- chemical analysis
- metallographic analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of conformity

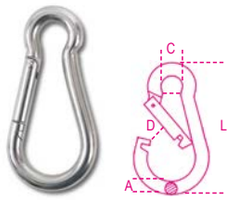
| ø mm | | WLL kg | | |
|---|---|---|---|---|
| **M6** | 1,0 | 120 | 4 | 082420406 |
| * **M8** | 1,25 | 200 | 4 | 082420408 |
| * **M10** | 1,5 | 400 | 4 | 082420410 |
| * **M12** | 1,75 | 600 | 4 | 082420412 |
| * **M14** | 2 | 1000 | 2 | 082420414 |
| * **M16** | 2 | 1200 | 2 | 082420416 |
| * **M20** | 2,5 | 2000 | 2 | 082420420 |
| * **M24** | 3 | 2700 | 2 | 082420424 |
| * **M30** | 3,5 | 4000 | 1 | 082420430 |

**(*) WLL ø M10÷M24**
**- increased according to Technical File R/FT/8242F**
**- guaranteed with stainless steel coupling**

## 8242
eye nuts
stainless steel AISI 316

| A mm | B mm | ø C mm | WFL kg | | |
|---|---|---|---|---|---|
| M6 | 27 | 15 | 90 | 10 | 082420206 |
| M8 | 36 | 20 | 140 | 10 | 082420208 |
| M10 | 45 | 25 | 230 | 5 | 082420210 |
| M12 | 55 | 30 | 340 | 5 | 082420212 |

## 8274
carabine hooks
AISI 316

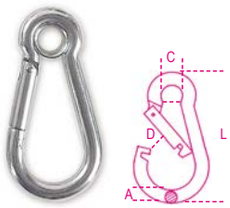



**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø A x L mm | ø C mm | D mm | WFL kg | | |
|---|---|---|---|---|---|
| 4,5x40 | 6,5 | 6 | 20 | 10 | 082740204 |
| 5x50 | 7 | 6,5 | 30 | 10 | 082740205 |
| 6x60 | 8,5 | 7,5 | 40 | 5 | 082740206 |
| 7x70 | 10 | 9 | 60 | 5 | 082740207 |
| 8x80 | 12 | 10 | 75 | 5 | 082740208 |
| 9x90 | 12,5 | 10,5 | 100 | 5 | 082740209 |
| 10x100 | 15 | 13 | 120 | 2 | 082740210 |
| 11x120 | 19 | 18 | 140 | 1 | 082740211 |
| 12x140 | 22 | 21 | 140 | 1 | 082740212 |
| 13x160 | 22 | 26 | 200 | 1 | 082740213 |

## 8274A
ring carabine hooks
AISI 316

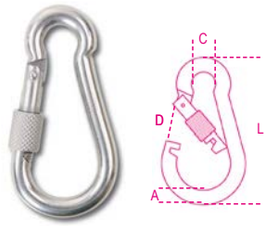



**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical Product Specifications
- Test Report UNI EN10204 type 2.2

| ø A x L mm | ø C mm | D mm | WFL kg | | |
|---|---|---|---|---|---|
| 5x50 | 6,5 | 7 | 30 | 10 | 082740405 |
| 6x60 | 7,5 | 7,5 | 40 | 5 | 082740406 |
| 8x80 | 9,5 | 10 | 75 | 5 | 082740408 |

## 8274G
carabine hooks with screw nut
AISI 316

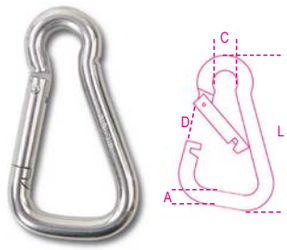



**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø A x L mm | ø C mm | D mm | WFL kg | | |
|---|---|---|---|---|---|
| 6x60 | 8,5 | 6,5 | 40 | 5 | 082740306 |
| 8x80 | 12 | 8,5 | 75 | 5 | 082740308 |
| 10x100 | 15 | 12 | 120 | 3 | 082740310 |

## 8276
asymmetric carabine hooks
AISI 316




**LABORATORY TESTS**
- chemical analysis
- tensile test

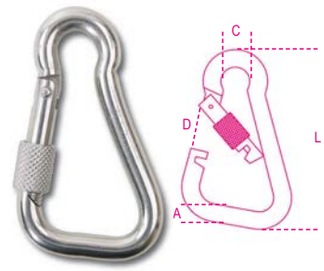
**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø A x L mm | ø C mm | D mm | WFL kg | | |
|---|---|---|---|---|---|
| 6x60 | 8,5 | 10 | 40 | 5 | 082760206 |
| 8x80 | 12 | 14 | 75 | 5 | 082760208 |
| 10x100 | 15 | 18 | 120 | 3 | 082760210 |

Robur

Robur

## 8276G
asymmetric carabine hooks with screw nut
AISI 316

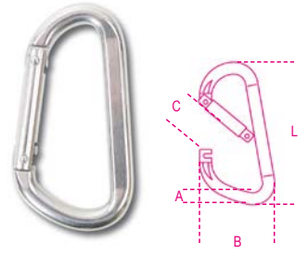



**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø A x L mm | ø C mm | D mm | WFL kg | | |
|---|---|---|---|---|---|
| 6x60 | 8,5 | 9 | 40 | 3 | 082760306 |
| 8x80 | 12 | 12,5 | 75 | 3 | 082760308 |
| 10x100 | 15 | 16 | 120 | 3 | 082760310 |

## 8278
trapezoidal carabine hooks
AISI 316

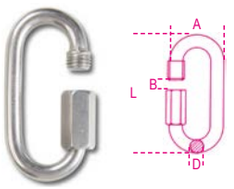



**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø A x L mm | B mm | C mm | WFL kg | | |
|---|---|---|---|---|---|
| 8x80 | 45 | 14 | 75 | 3 | 082780208 |
| 10x100 | 55 | 16 | 120 | 3 | 082780210 |

## 8280
quick links
AISI 316




**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø D x L mm | A mm | B mm | WFL kg | | |
|---|---|---|---|---|---|
| 3,5x35 | 17 | 5 | 20 | 10 | 082800203 |
| 4x40 | 19 | 6 | 30 | 10 | 082800204 |
| 5x50 | 23 | 7 | 50 | 5 | 082800205 |
| 6x60 | 26 | 8 | 60 | 5 | 082800206 |
| 7x70 | 30 | 9 | 100 | 5 | 082800207 |
| 8x80 | 33 | 10 | 140 | 2 | 082800208 |
| 10x90 | 40 | 12 | 220 | 2 | 082800210 |
| 12x100 | 47 | 14 | 300 | 1 | 082800212 |

## 8250
spring snap-casting eye end
AISI 316

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| L mm | A mm | ø B mm | WFL kg | | |
|---|---|---|---|---|---|
| 50 | 25 | 8 | 40 | 5 | 082500205 |
| 70 | 31 | 12,5 | 90 | 5 | 082500207 |
| 100 | 47 | 20 | 190 | 2 | 082500210 |

## 8264
swivel eye bolt snap
AISI 316

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| B mm | L mm | C mm | WFL kg | | |
|---|---|---|---|---|---|
| 12 | 88 | 12 | 60 | 5 | 082640212 |
| 16 | 90 | 12 | 60 | 5 | 082640216 |
| 19 | 93 | 12 | 60 | 2 | 082640219 |

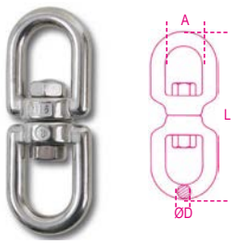
## 8267
swivel eye snap
AISI 316

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| A mm | L mm | B mm | WFL kg | | |
|---|---|---|---|---|---|
| 10 | 87 | 21 | 30 | 5 | 082670210 |
| 12 | 118 | 22 | 70 | 2 | 082670213 |

## 8272
eye and eye swivels
AISI 316




**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø D mm | A mm | L mm | WFL kg | | |
|---|---|---|---|---|---|
| 4 | 11 | 50 | 90 | 5 | 082720204 |
| 5 | 13 | 60 | 115 | 5 | 082720205 |
| 6 | 15 | 66 | 140 | 5 | 082720206 |
| 8 | 19 | 90 | 250 | 3 | 082720208 |
| 10 | 23 | 112 | 300 | 1 | 082720210 |
| 13 | 33 | 148 | 650 | 1 | 082720213 |
| 16 | 38 | 184 | 1000 | 1 | 082720216 |
| 19 | 40 | 223 | 1600 | 1 | 082720219 |

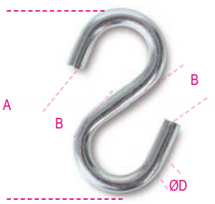
## 8273
quick-release hooks
with swivel eyes
AISI 316 stainless steel

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø C x L mm | B mm | WFL kg | BF kg | | |
|---|---|---|---|---|---|
| 12x70 | 12 | 230 | 1100 | 1 | 082730012 |
| 16x85 | 14,50 | 440 | 2000 | 1 | 082730016 |
| 22x120 | 20 | 700 | 3500 | 1 | 082730022 |

## 8282S
S-hooks, symmetric
AISI 316 stainless steel




**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Product specifications
- Test report type 2.2 UNI EN10204

| ø D mm | B mm | A mm | WFL kg | | |
|---|---|---|---|---|---|
| 3 | 5,5 | 34 | 4 | 40 | 082820303 |
| 4 | 7,0 | 40 | 5 | 30 | 082820304 |
| 5 | 9,0 | 46 | 12 | 20 | 082820305 |
| 6 | 10 | 54 | 18 | 15 | 082820306 |

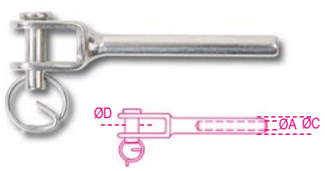
## 8284
pelican hooks terminals
AISI 316 stainless steel

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø C mm | B mm | L mm | WFL kg | | |
|---|---|---|---|---|---|
| 6 | 11 | 73 | 200 | 3 | 082840006 |
| 8 | 14 | 98 | 300 | 3 | 082840008 |
| 10 | 23 | 143 | 450 | 1 | 082840010 |

## 8285
jaw terminals
AISI 316




**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø A mm | ø C mm | ø D mm | WFL kg | | |
|---|---|---|---|---|---|
| 3 | 6,3 | 6 | 180 | 5 | 082850203 |
| 4 | 7,5 | 6 | 200 | 3 | 082850204 |
| 5 | 9 | 10 | 330 | 2 | 082850205 |
| 6 | 12,5 | 12 | 720 | 2 | 082850206 |
| 8 | 16 | 13 | 1120 | 2 | 082850208 |

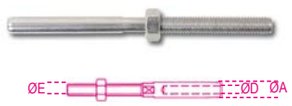
## 8286
eye terminals
AISI 316

**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø D mm | ø A mm | ø C mm | WFL kg | | |
|---|---|---|---|---|---|
| 3 | 6,5 | 6,3 | 180 | 5 | 082860203 |
| 4 | 8,5 | 7,5 | 200 | 3 | 082860204 |
| 5 | 10,6 | 9 | 330 | 2 | 082860205 |
| 6 | 13 | 12,5 | 720 | 2 | 082860206 |
| 8 | 14,7 | 16 | 1120 | 2 | 082860208 |

## 8287
swage studs
AISI 316

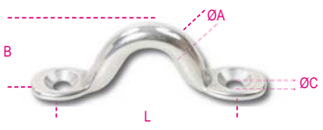



**LABORATORY TESTS**
- chemical analysis
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø D mm | ø A mm | E mm | WFL kg | | |
|---|---|---|---|---|---|
| 3 | 6,3 | M6 | 180 | 5 | 082870203 |
| 4 | 7,5 | M8 | 200 | 3 | 082870204 |
| 5 | 9 | M10 | 330 | 2 | 082870205 |
| 6 | 12,5 | M12 | 720 | 2 | 082870206 |
| 8 | 16 | M16 | 1120 | 2 | 082870208 |

## 8290
pad eyes
AISI 316

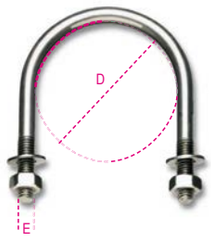



**LABORATORY TESTS**
- chemical analysis

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| ø A mm | B mm | ø C mm | L mm | | |
|---|---|---|---|---|---|
| 5 | 18 | 4,3 | 40 | 5 | 082900205 |
| 6 | 22 | 5,2 | 44 | 5 | 082900206 |
| 8 | 23 | 5,2 | 51 | 5 | 082900208 |

## 8381SX
U bolts for pipes




AISI 304

**LABORATORY TESTS**
- chemical analysis

**AVAILABLE CERTIFICATES**
- Test report UNIEN10204 type 2.2

| D mm | D gas | E mm | | |
|---|---|---|---|---|
| 11 | 1/8" | M6 | 20 | 083810401 |
| 14 | 1/4" | M6 | 20 | 083810402 |
| 18 | 3/8" | M6 | 20 | 083810403 |
| 22 | 1/2" | M6 | 20 | 083810404 |
| 27 | 3/4" | M6 | 20 | 083810405 |
| 34 | 1" | M6 | 20 | 083810406 |
| 43 | 1"1/4 | M6 | 20 | 083810407 |
| 49 | 1"1/2 | M8 | 10 | 083810408 |
| 61 | 2" | M8 | 10 | 083810409 |
| 77 | 2"1/2 | M8 | 10 | 083810410 |
| 89 | 3" | M8 | 10 | 083810412 |
| 115 | 4" | M8 | 10 | 083810413 |
| 168 | 6" | M10 | 1 | 083810416 |
| 220 | 8" | M10 | 1 | 083810418 |

## 8279
Genovese chains
for static connections,
AISI 304 stainless steel

**TECHNICAL DATA**
- safety factor: 4

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2

| Ø mm | nr | WFL kg | m | | |
|---|---|---|---|---|---|
| 2 | 13 | 20 | 50 | 1 | 082790020 |
| 3 | 17 | 55 | 50 | 1 | 082790030 |
| 4 | 19 | 100 | 50 | 1 | 082790040 |
| 5 | 21 | 250 | 40 | 1 | 082790050 |
| 6 | 23 | 310 | 30 | 1 | 082790060 |
| 8 | 27 | 400 | 15 | 1 | 082790080 |
| 10 | 30 | 1000 | 10 | 1 | 082790400 |

**Caution: product NOT designed for lifting purposes**

Robur

## 8293
ratchet tie downs AISI 304
high-tenacity polyester belt, LC 300 kg,
with hooks

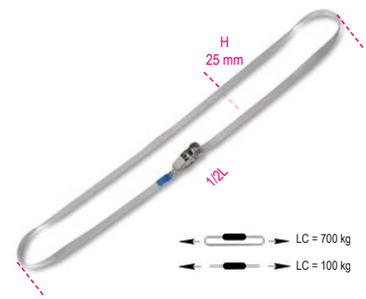
**hangable**

| L m | L2 mm | L1 mm | STF daN | | |
|---|---|---|---|---|---|
| 6 | 5700 | 300 | 100 | 1 | 082930106 |

LC = 300 kg

## 8297C
ratchet tie downs,
with mini-ratchets, AISI 304
high-tenacity polyester belt, LC 700 kg

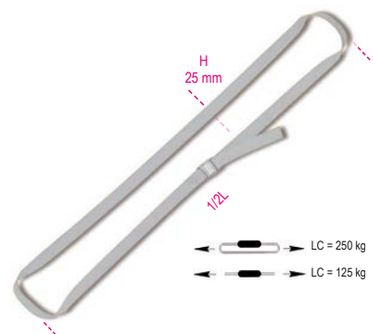
**hangable**




| L m | H mm | | |
|---|---|---|---|
| 5 | 25 | 1 | 082970350 |

## 8297F
2 cam buckle straps,
AISI 304,
high-tenacity polyester belt, LC 250 kg

**hangable**




| L m | H mm | | |
|---|---|---|---|
| 3 | 25 | 1 | 082970230 |

LC = 250 kg

## POLYESTER SLINGS

**TECHNICAL DATA**
- safety factor: 7
- traceability code

**LABORATORY TESTS**
- tensile test

**AVAILABLE CERTIFICATES**
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Manufacturer's Certificate UNI EN1492
- CE Declaration of Conformity

| | | | | β= 0°÷45° | β= 45°÷60° |
|---|---|---|---|---|---|
| 30 | 1 t | 0,8 t | 2 t | 1,4 t | 1 t |
| 60 | 2 t | 1,6 t | 4 t | 2,8 t | 2 t |
| 90 | 3 t | 2,4 t | 6 t | 4,2 t | 3 t |
| 120 | 4 t | 3,2 t | 8 t | 5,6 t | 4 t |
| 150 | 5 t | 4,0 t | 10 t | 7,0 t | 5 t |
| 180 | 6 t | 4,8 t | 12 t | 8,4 t | 6 t |
| 240 | 8 t | 6,4 t | 16 t | 11,2 t | 8 t |
| 300 | 10 t | 8,0 t | 20 t | 14,0 t | 10 t |

## 8150

lifting web slings, purple 1t
two layers with reinforced eyes
high-tenacity polyester (PES) belt

CE

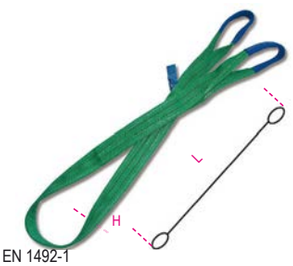
UNI EN 1492-1

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 0,5 | 30 | 1 | 1 | 081500005 |
| 1 | 30 | 1 | 1 | 081500010 |
| 1,5 | 30 | 1 | 1 | 081500015 |
| 2 | 30 | 1 | 1 | 081500020 |
| 2,5 | 30 | 1 | 1 | 081500025 |
| 3 | 30 | 1 | 1 | 081500030 |
| 4 | 30 | 1 | 1 | 081500040 |
| 5 | 30 | 1 | 1 | 081500050 |
| 6 | 30 | 1 | 1 | 081500060 |
| 8 | 30 | 1 | 1 | 081500080 |

## 8153

lifting web slings, green 2t
two layers with reinforced eyes
high-tenacity polyester (PES) belt

CE



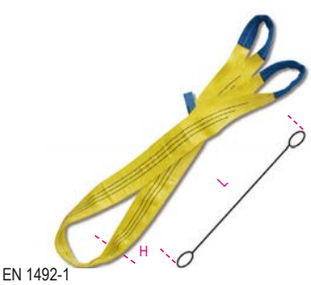

UNI EN 1492-1

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 1 | 60 | 2 | 1 | 081530010 |
| 1,5 | 60 | 2 | 1 | 081530015 |
| 2 | 60 | 2 | 1 | 081530020 |
| 2,5 | 60 | 2 | 1 | 081530025 |
| 3 | 60 | 2 | 1 | 081530030 |
| 4 | 60 | 2 | 1 | 081530040 |
| 5 | 60 | 2 | 1 | 081530050 |
| 6 | 60 | 2 | 1 | 081530060 |
| 8 | 60 | 2 | 1 | 081530080 |
| 10 | 60 | 2 | 1 | 081530100 |

## 8156

lifting web slings, yellow 3t
two layers with reinforced eyes
high-tenacity polyester (PES) belt

CE




UNI EN 1492-1

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 1 | 90 | 3 | 1 | 081560010 |
| 1,5 | 90 | 3 | 1 | 081560015 |
| 2 | 90 | 3 | 1 | 081560020 |
| 2,5 | 90 | 3 | 1 | 081560025 |
| 3 | 90 | 3 | 1 | 081560030 |
| 4 | 90 | 3 | 1 | 081560040 |
| 5 | 90 | 3 | 1 | 081560050 |
| 6 | 90 | 3 | 1 | 081560060 |
| 8 | 90 | 3 | 1 | 081560080 |
| 10 | 90 | 3 | 1 | 081560100 |
| 12 | 90 | 3 | 1 | 081560120 |

## 8157

lifting web slings, grey 4t
two layers with reinforced eyes
high-tenacity polyester (PES) belt

CE

UNI EN 1492-1

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 2 | 120 | 4 | 1 | 081570020 |
| 3 | 120 | 4 | 1 | 081570030 |
| 4 | 120 | 4 | 1 | 081570040 |
| 5 | 120 | 4 | 1 | 081570050 |
| 6 | 120 | 4 | 1 | 081570060 |
| 8 | 120 | 4 | 1 | 081570080 |
| 10 | 120 | 4 | 1 | 081570100 |
| 12 | 120 | 4 | 1 | 081570120 |

## 8158

lifting web slings, red 5t
two layers with reinforced eyes
high-tenacity polyester (PES) belt

CE

UNI EN 1492-1

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 2 | 150 | 5 | 1 | 081580020 |
| 3 | 150 | 5 | 1 | 081580030 |
| 4 | 150 | 5 | 1 | 081580040 |
| 5 | 150 | 5 | 1 | 081580050 |
| 6 | 150 | 5 | 1 | 081580060 |
| 8 | 150 | 5 | 1 | 081580080 |
| 10 | 150 | 5 | 1 | 081580100 |
| 12 | 150 | 5 | 1 | 081580120 |

## 8159
lifting web slings, brown 6t
two layers with reinforced eyes
high-tenacity polyester (PES)

UNI EN 1492-1

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 2 | 180 | 6 | 1 | 081590020 |
| 3 | 180 | 6 | 1 | 081590030 |
| 4 | 180 | 6 | 1 | 081590040 |
| 5 | 180 | 6 | 1 | 081590050 |
| 6 | 180 | 6 | 1 | 081590060 |
| 8 | 180 | 6 | 1 | 081590080 |
| 10 | 180 | 6 | 1 | 081590100 |

## 8160
lifting web slings, blue 8t
two layers with reinforced eyes
high-tenacity polyester (PES)

UNI EN 1492-1

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 3 | 240 | 8 | 1 | 081600030 |
| 4 | 240 | 8 | 1 | 081600040 |
| 5 | 240 | 8 | 1 | 081600050 |
| 6 | 240 | 8 | 1 | 081600060 |
| 8 | 240 | 8 | 1 | 081600080 |
| 10 | 240 | 8 | 1 | 081600100 |

## 8161
lifting web slings, orange 10t
two layers with reinforced eyes
high-tenacity polyester (PES)

UNI EN 1492-1

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 3 | 300 | 10 | 1 | 081610030 |
| 4 | 300 | 10 | 1 | 081610040 |
| 5 | 300 | 10 | 1 | 081610050 |
| 6 | 300 | 10 | 1 | 081610060 |
| 8 | 300 | 10 | 1 | 081610080 |
| 10 | 300 | 10 | 1 | 081610100 |
| 12 | 300 | 10 | 1 | 081610120 |

## 8170
lifting round slings, purple 1t
high-tenacity polyester (PES) belt

UNI EN 1492-2

| L m | WLL ton | H mm | | |
|---|---|---|---|---|
| 0,5 | 1 | 45 | 1 | 081700010 |
| 1 | 1 | 45 | 1 | 081700020 |
| 1,5 | 1 | 45 | 1 | 081700030 |
| 2 | 1 | 45 | 1 | 081700040 |
| 3 | 1 | 45 | 1 | 081700060 |
| 4 | 1 | 45 | 1 | 081700080 |
| 5 | 1 | 45 | 1 | 081700100 |

## 8173
lifting round slings, green 2t
high-tenacity polyester (PES) belt

UNI EN 1492-2

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 0,5 | 50 | 2 | 1 | 081730010 |
| 1 | 50 | 2 | 1 | 081730020 |
| 1,5 | 50 | 2 | 1 | 081730030 |
| 2 | 50 | 2 | 1 | 081730040 |
| 2,5 | 50 | 2 | 1 | 081730050 |
| 3 | 50 | 2 | 1 | 081730060 |
| 4 | 50 | 2 | 1 | 081730080 |
| 5 | 50 | 2 | 1 | 081730100 |
| 6 | 50 | 2 | 1 | 081730120 |
| 8 | 50 | 2 | 1 | 081730160 |

## 8176
lifting round slings, yellow 3t
high-tenacity polyester (PES) belt

UNI EN 1492-2

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 1 | 60 | 3 | 1 | 081760020 |
| 1,5 | 60 | 3 | 1 | 081760030 |
| 2 | 60 | 3 | 1 | 081760040 |
| 2,5 | 60 | 3 | 1 | 081760050 |
| 3 | 60 | 3 | 1 | 081760060 |
| 4 | 60 | 3 | 1 | 081760080 |
| 5 | 60 | 3 | 1 | 081760100 |
| 6 | 60 | 3 | 1 | 081760120 |
| 8 | 60 | 3 | 1 | 081760160 |

## 8177
lifting round slings, grey 4t
high-tenacity polyester (PES) belt

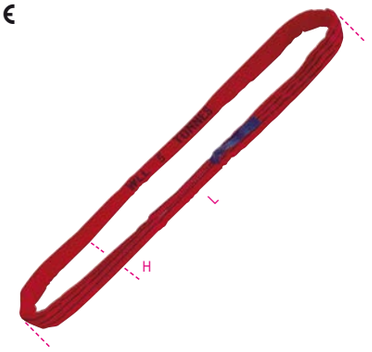
UNI EN 1492-2

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 1 | 65 | 4 | 1 | 081770020 |
| 1,5 | 65 | 4 | 1 | 081770030 |
| 2 | 65 | 4 | 1 | 081770040 |
| 2,5 | 65 | 4 | 1 | 081770050 |
| 3 | 65 | 4 | 1 | 081770060 |
| 4 | 65 | 4 | 1 | 081770080 |
| 5 | 65 | 4 | 1 | 081770100 |
| 6 | 65 | 4 | 1 | 081770120 |
| 8 | 65 | 4 | 1 | 081770160 |

## 8178

lifting round slings, red 5t
high-tenacity polyester (PES) belt

CE



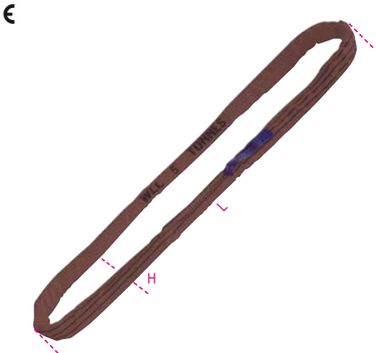

UNI EN 1492-2

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 1 | 70 | 5 | 1 | 081780020 |
| 1,5 | 70 | 5 | 1 | 081780030 |
| 2 | 70 | 5 | 1 | 081780040 |
| 2,5 | 70 | 5 | 1 | 081780050 |
| 3 | 70 | 5 | 1 | 081780060 |
| 4 | 70 | 5 | 1 | 081780080 |
| 5 | 70 | 5 | 1 | 081780100 |
| 6 | 70 | 5 | 1 | 081780120 |
| 8 | 70 | 5 | 1 | 081780160 |

## 8179M

lifting round slings, brown 6t
high-tenacity polyester (PES) belt

CE



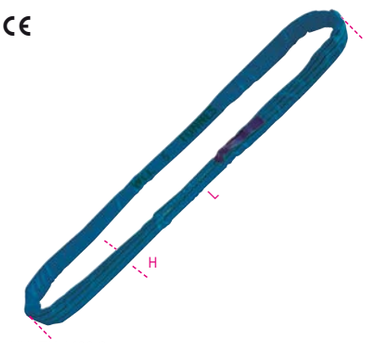

UNI EN 1492-2

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 3 | 80 | 6 | 1 | 081790060 |
| 4 | 80 | 6 | 1 | 081790080 |
| 6 | 80 | 6 | 1 | 081790120 |
| 8 | 80 | 6 | 1 | 081790160 |

## 8179B

lifting round slings, blue, 8 t,
high-tenacity polyester (PES) belt

CE




UNI EN 1492-2

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 1 | 85 | 8 | 1 | 081790220 |
| 3 | 85 | 8 | 1 | 081790260 |
| 4 | 85 | 8 | 1 | 081790280 |
| 6 | 85 | 8 | 1 | 081790320 |
| 8 | 85 | 8 | 1 | 081790360 |

## 8179A

lifting round slings, orange, 10 t,
high-tenacity polyester (PES) belt

CE
UNI EN 1492-2

| L m | H mm | WLL ton | | |
|---|---|---|---|---|
| 1 | 95 | 10 | 1 | 081790502 |
| 2 | 95 | 10 | 1 | 081790504 |
| 3 | 95 | 10 | 1 | 081790506 |
| 4 | 95 | 10 | 1 | 081790508 |
| 6 | 95 | 10 | 1 | 081790512 |
| 8 | 95 | 10 | 1 | 081790516 |
| 10 | 95 | 10 | 1 | 081790520 |
| 2 | 100 | 12 | 1 | 081791204 |
| 2,5 | 100 | 12 | 1 | 081791205 |
| 3 | 100 | 12 | 1 | 081791206 |
| 3,5 | 100 | 12 | 1 | 081791207 |
| 4 | 100 | 12 | 1 | 081791208 |
| 4,5 | 100 | 12 | 1 | 081791209 |
| 5 | 100 | 12 | 1 | 081791210 |
| 5,5 | 100 | 12 | 1 | 081791211 |
| 6 | 100 | 12 | 1 | 081791212 |
| 6,5 | 100 | 12 | 1 | 081791213 |
| 7 | 100 | 12 | 1 | 081791214 |
| 7,5 | 100 | 12 | 1 | 081791215 |
| 8 | 100 | 12 | 1 | 081791216 |
| 8,5 | 100 | 12 | 1 | 081791217 |
| 9 | 100 | 12 | 1 | 081791218 |
| 9,5 | 100 | 12 | 1 | 081791219 |
| 10 | 100 | 12 | 1 | 081791220 |
| 2 | 110 | 15 | 1 | 081791504 |
| 2,5 | 110 | 15 | 1 | 081791505 |
| 3 | 110 | 15 | 1 | 081791506 |
| 3,5 | 110 | 15 | 1 | 081791507 |
| 4 | 110 | 15 | 1 | 081791508 |
| 4,5 | 110 | 15 | 1 | 081791509 |
| 5 | 110 | 15 | 1 | 081791510 |
| 5,5 | 110 | 15 | 1 | 081791511 |
| 6 | 110 | 15 | 1 | 081791512 |
| 6,5 | 110 | 15 | 1 | 081791513 |
| 7 | 110 | 15 | 1 | 081791514 |
| 7,5 | 110 | 15 | 1 | 081791515 |
| 8 | 110 | 15 | 1 | 081791516 |
| 8,5 | 110 | 15 | 1 | 081791517 |
| 9 | 110 | 15 | 1 | 081791518 |
| 9,5 | 110 | 15 | 1 | 081791519 |
| 10 | 110 | 15 | 1 | 081791520 |
| 2 | 130 | 20 | 1 | 081792004 |
| 2,5 | 130 | 20 | 1 | 081792005 |
| 3 | 130 | 20 | 1 | 081792006 |
| 3,5 | 130 | 20 | 1 | 081792007 |
| 4 | 130 | 20 | 1 | 081792008 |
| 4,5 | 130 | 20 | 1 | 081792009 |
| 5 | 130 | 20 | 1 | 081792010 |
| 5,5 | 130 | 20 | 1 | 081792011 |
| 6 | 130 | 20 | 1 | 081792012 |
| 6,5 | 130 | 20 | 1 | 081792013 |
| 7 | 130 | 20 | 1 | 081792014 |
| 7,5 | 130 | 20 | 1 | 081792015 |
| 8 | 130 | 20 | 1 | 081792016 |
| 8,5 | 130 | 20 | 1 | 081792017 |
| 9 | 130 | 20 | 1 | 081792018 |
| 9,5 | 130 | 20 | 1 | 081792019 |
| 10 | 130 | 20 | 1 | 081792020 |
| 2 | 135 | 25 | 1 | 081792504 |
| 2,5 | 135 | 25 | 1 | 081792505 |
| 3 | 135 | 25 | 1 | 081792506 |
| 3,5 | 135 | 25 | 1 | 081792507 |
| 4 | 135 | 25 | 1 | 081792508 |
| 4,5 | 135 | 25 | 1 | 081792509 |
| 5 | 135 | 25 | 1 | 081792510 |
| 5,5 | 135 | 25 | 1 | 081792511 |
| 6 | 135 | 25 | 1 | 081792512 |
| 6,5 | 135 | 25 | 1 | 081792513 |
| 7 | 135 | 25 | 1 | 081792514 |
| 7,5 | 135 | 25 | 1 | 081792515 |
| 8 | 135 | 25 | 1 | 081792516 |
| 8,5 | 135 | 25 | 1 | 081792517 |
| 9 | 135 | 25 | 1 | 081792518 |
| 9,5 | 135 | 25 | 1 | 081792519 |
| 10 | 135 | 25 | 1 | 081792520 |
| 2 | 160 | 30 | 1 | 081793004 |
| 2,5 | 160 | 30 | 1 | 081793005 |
| 3 | 160 | 30 | 1 | 081793006 |
| 3,5 | 160 | 30 | 1 | 081793007 |
| 4 | 160 | 30 | 1 | 081793008 |
| 4,5 | 160 | 30 | 1 | 081793009 |
| 5 | 160 | 30 | 1 | 081793010 |
| 5,5 | 160 | 30 | 1 | 081793011 |
| 6 | 160 | 30 | 1 | 081793012 |
| 6,5 | 160 | 30 | 1 | 081793013 |
| 7 | 160 | 30 | 1 | 081793014 |
| 7,5 | 160 | 30 | 1 | 081793015 |
| 8 | 160 | 30 | 1 | 081793016 |
| 8,5 | 160 | 30 | 1 | 081793017 |
| 9 | 160 | 30 | 1 | 081793018 |
| 9,5 | 160 | 30 | 1 | 081793019 |
| 10 | 160 | 30 | 1 | 081793020 |
| 2 | 165 | 40 | 1 | 081794004 |
| 2,5 | 165 | 40 | 1 | 081794005 |
| 3 | 165 | 40 | 1 | 081794006 |
| 3,5 | 165 | 40 | 1 | 081794007 |
| 4 | 165 | 40 | 1 | 081794008 |
| 4,5 | 165 | 40 | 1 | 081794009 |
| 5 | 165 | 40 | 1 | 081794010 |
| 5,5 | 165 | 40 | 1 | 081794011 |
| 6 | 165 | 40 | 1 | 081794012 |
| 6,5 | 165 | 40 | 1 | 081794013 |
| 7 | 165 | 40 | 1 | 081794014 |
| 7,5 | 165 | 40 | 1 | 081794015 |
| 8 | 165 | 40 | 1 | 081794016 |
| 8,5 | 165 | 40 | 1 | 081794017 |
| 9 | 165 | 40 | 1 | 081794018 |
| 9,5 | 165 | 40 | 1 | 081794019 |
| 10 | 165 | 40 | 1 | 081794020 |
| 3 | 180 | 50 | 1 | 081795006 |
| 3,5 | 180 | 50 | 1 | 081795007 |
| 4 | 180 | 50 | 1 | 081795008 |
| 4,5 | 180 | 50 | 1 | 081795009 |
| 5 | 180 | 50 | 1 | 081795010 |
| 5,5 | 180 | 50 | 1 | 081795011 |
| 6 | 180 | 50 | 1 | 081795012 |
| 6,5 | 180 | 50 | 1 | 081795013 |
| 7 | 180 | 50 | 1 | 081795014 |
| 7,5 | 180 | 50 | 1 | 081795015 |
| 8 | 180 | 50 | 1 | 081795016 |
| 8,5 | 180 | 50 | 1 | 081795017 |
| 9 | 180 | 50 | 1 | 081795018 |
| 9,5 | 180 | 50 | 1 | 081795019 |
| 10 | 180 | 50 | 1 | 081795020 |

Robur

## 8166

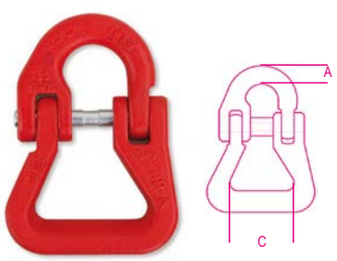
anti-abrasion sheaths for slings, high-tenacity polyester (PES), with elastomer underlayer

| H mm | ø mm | L m | | |
|---|---|---|---|---|
| **70** | 45 | 3 | 1 | 081660073 |
| **80** | 52 | 3 | 1 | 081660083 |
| **110** | 70 | 3 | 1 | 081660103 |
| **155** | 100 | 3 | 1 | 081660153 |
| **170** | 110 | 3 | 1 | 081660170 |
| **235** | 150 | 4 | 1 | 081660235 |

| H mm | | | |
|---|---|---|---|
| **70** | 8150 | 8170-8173 | 081660073 |
| **80** | 8153 | 8176 | 081660083 |
| **110** | 8153-8156 | 8177-8178 | 081660103 |
| **155** | 8157 | 8178-8179A 8179B-8179M | 081660153 |
| **170** | 8158 | - | 081660170 |
| **235** | 8159 | - | 081660235 |

## 8090F

lifting connecting links for polyester slings, alloy steel, painted




EN 1677-1

**TECHNICAL DATA**
- **safety factor: 4**
- **heat treatment: hardening and tempering**
- **traceability code**

**LABORATORY TESTS**
- **chemical analysis, metallographic analysis**
- **proof load test (WLL x 2.5)**
- **tensile test**
- **fatigue test (min. 20,000 cycles)**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**
- **Inspection certificate UNI EN10204 type 3.1**
- **CE Declaration of Conformity**

| WLL kg | Ø mm | A mm | C mm | | |
|---|---|---|---|---|---|
| **2000** | 7-8 | 10,5 | 40 | 1 | 080900220 |
| **3150** | 10 | 12 | 50 | 1 | 080900232 |
| **5300** | 13 | 17 | 60 | 1 | 080900253 |
| **8000** | 16 | 21 | 75 | 1 | 080900280 |

### RATCHET TIE DOWNS

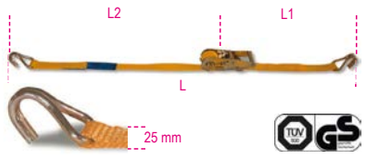
**TECHNICAL DATA**
- **safety factor: 2**
- **traceability code**

**LABORATORY TESTS**
- **ratchet pretensioning test**
- **metal parts deformation test**
- **complete system tensile test**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**

## 8180

ratchet tie down with single hook, LC 750kg high-tenacity polyester (PES) belt




EN 12195-2

| L m | L2 mm | L1 mm | | |
|---|---|---|---|---|
| **4** | 3750 | 250 | 1 | 081800004 |
| **6** | 5750 | 250 | 1 | 081800006 |
| **8** | 7750 | 250 | 1 | 081800008 |

LC = 750 kg

## 8181

ratchet tie down with single hook, LC 1000kg high-tenacity polyester (PES) belt

EN 12195-2

| L m | L2 mm | L1 mm | | |
|---|---|---|---|---|
| **4** | 3600 | 400 | 1 | 081810004 |
| **6** | 5600 | 400 | 1 | 081810006 |
| **8** | 7600 | 400 | 1 | 081810008 |

LC = 1000 kg

## 8181S

ratchet tie down with double hook, LC 1000kg, high-tenacity polyester (PES) belt

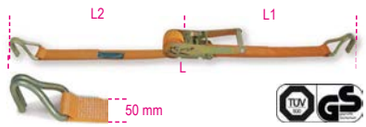
EN 12195-2

| L m | L2 mm | L1 mm | STF daN | | |
|---|---|---|---|---|---|
| **6** | 5600 | 400 | 180 | 1 | 081810206 |

LC = 1000 kg

## 8182T

ratchet tie down with double hook, LC 1500kg, high-tenacity polyester (PES) belt



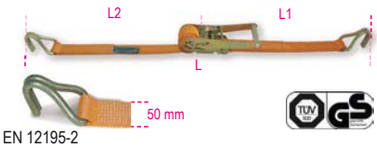

EN 12195-2

| L m | L1 mm | L2 mm | | |
|---|---|---|---|---|
| **8,5** | 400 | 8100 | 1 | 081821085 |
| **10,5** | 400 | 10100 | 1 | 081821105 |

LC = 1500 kg

## 8182

ratchet tie down with single hook, LC 2000kg high-tenacity polyester (PES) belt




EN 12195-2

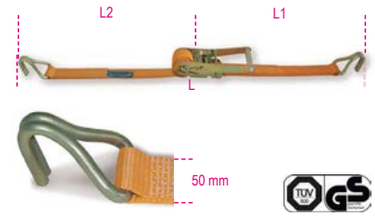
| L m | L2 mm | L1 mm | | |
|---|---|---|---|---|
| **4,5** | 4100 | 400 | 1 | 081820045 |
| **6,5** | 6100 | 400 | 1 | 081820065 |
| **8,5** | 8100 | 400 | 1 | 081820085 |
| **10,5** | 10100 | 400 | 1 | 081820105 |
| **14,5** | 14100 | 400 | 1 | 081820145 |
| **16,5** | 16100 | 400 | 1 | 081820165 |

LC = 2000 kg

| | L2 mm | L1 mm | | |
|---|---|---|---|---|
| **8182LP** long part | 8100 | | 1 | 081820902 |
| **8182SP** short part | | 400 | 1 | 081820905 |

## 8182H

ratchet tie down with single hook, LC 2500kg, high-tenacity polyester (PES) belt



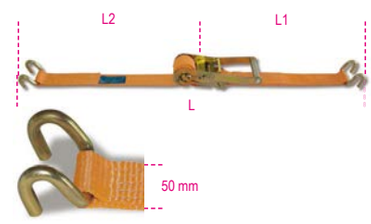

EN 12195-2

| L m | L1 mm | L2 mm | | |
|---|---|---|---|---|
| **6,5** | 400 | 6100 | 1 | 081820406 |
| **8,5** | 400 | 8100 | 1 | 081820408 |
| **10,5** | 400 | 10100 | 1 | 081820410 |
| **14,5** | 400 | 14100 | 1 | 081820414 |

LC = 2500 kg

## 8182TS

ratchet tie down with single hook, LC 1500kg, high-tenacity polyester (PES) belt



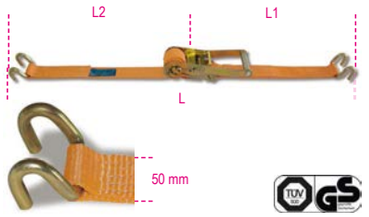

EN 12195-2

| L m | L1 mm | L2 mm | | |
|---|---|---|---|---|
| **8,5** | 400 | 8100 | 1 | 081821285 |
| **10,5** | 400 | 10100 | 1 | 081821305 |

LC = 1500 kg

## 8182S

ratchet tie down with double hook, LC 2000kg
high-tenacity polyester (PES) belt




EN 12195-2

| L m | L2 mm | L1 mm | | |
|---|---|---|---|---|
| **6,5** | 6100 | 400 | 1 | 081820265 |
| **8,5** | 8100 | 400 | 1 | 081820285 |
| **10,5** | 10100 | 400 | 1 | 081820305 |

LC = 2000 kg

| | L2 mm | L1 mm | | |
|---|---|---|---|---|
| **8182SLP** long part | 8100 | | 1 | 081820912 |
| **8182SSP** short part | | 400 | 1 | 081820915 |

## 8184

reverse ratchet tie down, long lever, with single hook, LC 2500 kg,
high-tenacity polyester (PES) belt

EN12195-2

| L m | L2 mm | L1 mm | STF daN | | |
|---|---|---|---|---|---|
| **6,5** | 6100 | 400 | 500 | 1 | 081840065 |
| **8,5** | 8100 | 400 | 500 | 1 | 081840085 |
| **10,5** | 10100 | 400 | 500 | 1 | 081840105 |

LC = 2500 kg

## 8183

ratchet tie down with single hook, LC 5000 kg,
high-tenacity polyester (PES) belt

EN 12195-2

| L m | L2 mm | L1 mm | STF daN | | |
|---|---|---|---|---|---|
| **8,5** | 8000 | 500 | 500 | 1 | 081830085 |
| **12,5** | 12000 | 500 | 500 | 1 | 081830125 |

LC = 5000 kg

## 8190

ratchet load binder with 2 hooks
Grade 8

EN12195/3

**TECHNICAL DATA**
- **Safety factor: 2**
- **Heat treatment: hardening and tempering**
- **Traceability code**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN10204 type 2.2**
- **Inspection certificate UNI EN10204 type 3.1**

| Ø mm | LC daN | Ø mm | LC daN | | |
|---|---|---|---|---|---|
| **10** | 6300 | 8 | 4000 | 1 | 081900010 |

*** CAUTION: The product can be used with an 8-mm chain, provided WLL is reduced (LC 4000 daN)**

## 8190B

lashing chains

EN12195/3

**TECHNICAL DATA**
- **Safety factor: 2 • Heat treatment: hardening tempering**
- **Chain-sling identification tag**

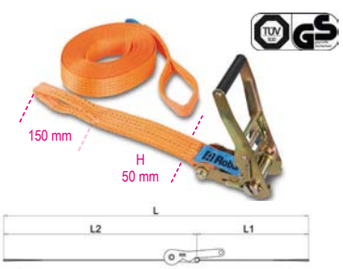
**ATTACHED CERTIFICATES**
- **Manufacturer's Certificate**

**AVAILABLE CERTIFICATES**
- **Technical product specifications**
- **Test report UNI EN 10204 type 2.2**

| Ø mm | LC daN | L m | L1 m | | |
|---|---|---|---|---|---|
| **8** | 4000 | 3,5 | 3,30 | 1 | 081901308 |
| **10** | 6300 | 3,5 | 3,28 | 1 | 081901310 |

## 8182A

ratchet tie downs with 2 eyes,
high-tenacity polyester (PES) belt,
LC 2000 kg



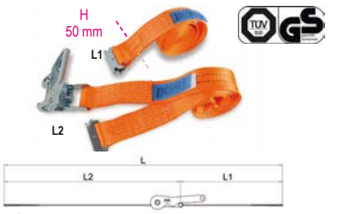

EN 12195-2

| L m | L2 mm | L1 mm | STF daN | | |
|---|---|---|---|---|---|
| **8,5** | 8100 | 400 | 300 | 1 | 081820585 |

LC = 2000 kg

## 8182E

ratchet tie downs for van and truck interiors,
LC 1000 kg,
high-tenacity polyester (PES) belt




EN 12195-2

| L m | L2 mm | L1 mm | STF daN | | |
|---|---|---|---|---|---|
| **4** | 3500 | 500 | 220 | 1 | 081820440 |

LC = 1000 kg

| | L2 mm | L1 mm | | |
|---|---|---|---|---|
| **8182EL** | 2500 | | 1 | 081820942 |
| **8182EC** | | 1500 | 1 | 081820945 |

## 8185

ring ratchet tie down, LC 1500kg
high-tenacity polyester (PES) belt

EN 12195-2

| L m | STF daN | | |
|---|---|---|---|
| **5** | 200 | 1 | 081850005 |
| **8** | 200 | 1 | 081850008 |

## 8186

ring ratchet tie down, LC 2000kg
high-tenacity polyester (PES) belt

EN 12195-2

| L m | STF daN | | |
|---|---|---|---|
| **5** | 180 | 1 | 081860005 |
| **8** | 180 | 1 | 081860008 |

## 8187

ring ratchet tie down, LC 4000kg
high-tenacity polyester (PES) belt

EN 12195-2

| L m | STF daN | | |
|---|---|---|---|
| 5 | 350 | 1 | 081870005 |
| 8 | 350 | 1 | 081870008 |

## 8188C

ring ratchet tie downs, LC 750 kg,
high-tenacity polyester (PES) belt

EN 12195-2

| L m | STF daN | | |
|---|---|---|---|
| 1,5 | 72 | 3 | 081880315 |
| 5 | 72 | 3 | 081880350 |

## 8188CG/25

ratchet tie downs with S-hooks and Eyes,
LC 400 kg
high-tenacity polyester (PES) strap

EN 12195-2

| L m | L1 mm | L2 mm | | |
|---|---|---|---|---|
| 3 | 480 | 170 | 1 | 081880430 |
| 5 | 480 | 170 | 1 | 081880450 |

## 8188CU/25

ratchet tie downs with single hooks,
LC 400 kg,
high-tenacity polyester belt (PES)

EN 12195-2

| L m | L1 mm | L2 mm | | |
|---|---|---|---|---|
| 5 | 300 | 4700 | 1 | 081880750 |

## 8188F

cam buckle straps, LC 200 kg,
high-grade polypropylene (PP) belt

EN 12195-2

| L m | | |
|---|---|---|
| 1,5 | 10 | 081880215 |
| 2,0 | 10 | 081880220 |
| 2,5 | 10 | 081880225 |
| 3,0 | 10 | 081880230 |
| 5,0 | 6 | 081880250 |

## 8188F35

cam buckle straps, LC 500 kg,
high-tenacity polypropylene (PP) belt

EN 12195-2

| L m | | |
|---|---|---|
| 5 | 1 | 081880295 |

## 8188VFG2

cam buckle strap with S-hooks and Eyes,
LC 250 kg
high-grade polypropylene (PP) belt

EN 12195-2

| L m | L1 mm | L2 mm | | |
|---|---|---|---|---|
| 3 | 450 | 110 | 1 | 081881530 |

## 8189

polyester belt (PES)
for ratchet tie downs

| H mm | L m | LC kg | | |
|---|---|---|---|---|
| 25 | 100 | 750 | 1 | 081890902 |
| 35 | 100 | 1000 | 1 | 081890903 |
| 50 | 100 | 2000 | 1 | 081890905 |

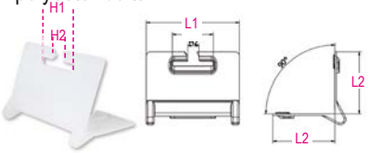
## 8189A

non-slip mat
for fixing loads

| L m | H mm | S mm | μ | | |
|---|---|---|---|---|---|
| 5 | 250 | 8 | 0,6 | 1 | 081890525 |

## 8189PA

2 angular guards
for polyester belts




| L1xL2 mm | H1 mm | H2 mm | | |
|---|---|---|---|---|
| 135x90 | 60 | 18 | 1 | 081890090 |

| Item | Test Report 2.2 (UNI EN 10204) | Test Certificate 3.1(UNI EN 10204) | Manufacturer's Certificate | CE Declaration of Conformity |
|---|---|---|---|---|
| 8001Z | ✓ | ✓ | | ✓ |
| 8001TZ | ✓ | ✓ | | ✓ |
| 8002ZD | ✓ | | | |
| 8003ZD | ✓ | | | |
| 8004ND | ✓ | | | |
| 8005Z | ✓ | | | ✓ |
| 8005TZ | ✓ | | | ✓ |
| 8006Z | ✓ | | | ✓ |
| 8007Z | ✓ | | | ✓ |
| 8008N | ✓ | | | ✓ |
| 8008TZN | ✓ | | | ✓ |
| 8009FD | ✓ | | | |
| 8009Z | ✓ | | | ✓ |
| 8009TZ | ✓ | | | ✓ |
| 8010Z | ✓ | | | ✓ |
| 8010TZ | ✓ | | | |
| 8015 | ✓ | | ✓ | ✓ |
| 8016 | ✓ | | | ✓ |
| 8016DA | ✓ | | | ✓ |
| 8016FR | ✓ | | | |
| 8016U2 | ✓ | | ✓ | ✓ |
| 8016UGK | ✓ | | ✓ | ✓ |
| 8018E | ✓ | | | |
| 8018T | ✓ | | | |
| 8020 | ✓ | | | |
| 8021 | ✓ | | | |
| 8025 | ✓ | ✓ | | ✓ |
| 8026A | ✓ | ✓ | | ✓ |
| 8026R | ✓ | ✓ | | ✓ |
| 8028 | ✓ | ✓ | | ✓ |
| 8029R | ✓ | ✓ | | ✓ |
| 8031R | ✓ | ✓ | | ✓ |
| 8032 | ✓ | ✓ | | ✓ |
| 8040EN | ✓ | ✓ | | ✓ |
| 8040EZ | ✓ | ✓ | | ✓ |
| 8042EN | ✓ | ✓ | | ✓ |
| 8042EZ | ✓ | ✓ | | ✓ |
| 8041 | ✓ | ✓ | | ✓ |
| 8043 | ✓ | ✓ | | ✓ |
| 8044 | ✓ | ✓ | | ✓ |
| 8048 | ✓ | | | |
| 8049 | ✓ | ✓ | | ✓ |
| 8049A | ✓ | ✓ | | ✓ |
| 8049V | ✓ | ✓ | | ✓ |
| 8051S | ✓ | ✓ | | ✓ |
| 8052 | ✓ | ✓ | | ✓ |
| 8057R | ✓ | ✓ | | ✓ |
| 8058R | ✓ | ✓ | | ✓ |
| 8060R | ✓ | ✓ | | ✓ |
| 8061R | ✓ | ✓ | | ✓ |
| 8062 | ✓ | ✓ | | ✓ |
| 8063 | ✓ | ✓ | | ✓ |
| 8063SL | ✓ | ✓ | | ✓ |
| 8064S | ✓ | ✓ | | ✓ |
| 8065SC | ✓ | ✓ | | ✓ |
| 8074 | ✓ | | | |
| 8074A | ✓ | | | |
| 8074G | ✓ | | | |
| 8080 | ✓ | | | |
| 8080FM | ✓ | | | |
| 8085R | ✓ | ✓ | | ✓ |
| 8086 | ✓ | ✓ | | ✓ |
| 8090 | ✓ | ✓ | | ✓ |

| Item | Test Report 2.2 (UNI EN 10204) | Test Certificate 3.1(UNI EN 10204) | Manufacturer's Certificate | CE Declaration of Conformity |
|---|---|---|---|---|
| 8090F | ✓ | ✓ | | ✓ |
| 8090R | ✓ | ✓ | | ✓ |
| 8091 | | | ✓ | ✓ |
| 8091SL | | | ✓ | ✓ |
| 8092 | | | ✓ | ✓ |
| 8092SL | | | ✓ | ✓ |
| 8094 | | | ✓ | ✓ |
| 8094SL | | | ✓ | ✓ |
| 8096 | | | ✓ | ✓ |
| 8096SL | | | ✓ | ✓ |
| 8097 | | | ✓ | ✓ |
| 8097SL | | | ✓ | ✓ |
| 8098 | | | ✓ | ✓ |
| 8098SL | | | ✓ | ✓ |
| 8100 | ✓ | ✓ | | ✓ |
| 8105 | ✓ | ✓ | | ✓ |
| 8109 | ✓ | ✓ | | ✓ |
| 8110 | ✓ | | | |
| 8114 | ✓ | | | |
| 8116 | ✓ | | | |
| 8120 - 8120D | ✓ | | | |
| 8120B | ✓ | | | |
| 8130A | ✓ | | | |
| 8135 | ✓ | | ✓ | ✓ |
| 8139DL | ✓ | | | |
| 8143 | ✓ | | ✓ | ✓ |
| 8146 | ✓ | | ✓ | ✓ |
| 8146K | ✓ | | ✓ | ✓ |
| 8150 | ✓ | | ✓ | ✓ |
| 8153 | ✓ | | ✓ | ✓ |
| 8156 | ✓ | | ✓ | ✓ |
| 8157 | ✓ | | ✓ | ✓ |
| 8158 | ✓ | | ✓ | ✓ |
| 8159 | ✓ | | ✓ | ✓ |
| 8160 | ✓ | | ✓ | ✓ |
| 8161 | ✓ | | ✓ | ✓ |
| 8166 | ✓ | | | |
| 8170 | ✓ | | ✓ | ✓ |
| 8173 | ✓ | | ✓ | ✓ |
| 8176 | ✓ | | ✓ | ✓ |
| 8177 | ✓ | | ✓ | ✓ |
| 8178 | ✓ | | ✓ | ✓ |
| 8179M-B-A | ✓ | | ✓ | ✓ |
| 8180 | ✓ | | | |
| 8181 | ✓ | | | |
| 8181S | ✓ | | | |
| 8182 | ✓ | | | |
| 8182A | ✓ | | | |
| 8182E | ✓ | | | |
| 8182H | ✓ | | | |
| 8182M | ✓ | | | |
| 8182S | ✓ | | | |
| 8182T | ✓ | | | |
| 8182T-TS | ✓ | | | |
| 8182TS | ✓ | | | |
| 8185 | ✓ | | | |
| 8186 | ✓ | | | |
| 8187 | ✓ | | | |
| 8188C | ✓ | | | |
| 8188CG/25 | ✓ | | | |
| 8188CU | ✓ | | | |
| 8188F | ✓ | | | |
| 8188VF/35 | ✓ | | | |

| Item | Test Report 2.2 (UNI EN 10204) | Test Certificate 3.1(UNI EN 10204) | Manufacturer's Certificate | CE Declaration of Conformity |
|---|---|---|---|---|
| 8188FG2 | ✓ | | | |
| 8190 | ✓ | ✓ | | |
| 8190B | ✓ | | ✓ | |
| 8302Z | ✓ | | | |
| 8303Z | ✓ | | | |
| 8317DZ | ✓ | | | |
| 8317SZ | ✓ | | | |
| 8381SL | ✓ | | | |
| 8381SP | ✓ | | | |
| 8383C | ✓ | | | |
| 8383P | ✓ | | | |
| 8515V | ✓ | | | |
| 8515Z | ✓ | | | |
| 8531 | ✓ | | | |
| 8532 | ✓ | | | |
| 8535 | ✓ | | | |
| 8201T | ✓ | | | |
| 8205 | ✓ | | | |
| 8206 | ✓ | | | |
| 8207 | ✓ | | | |
| 8209 | ✓ | | | |
| 8210 | ✓ | | | |
| 8210F | ✓ | | | |
| 8216 | ✓ | | | ✓ |
| 8220 | ✓ | | | |
| 8225 | ✓ | | | |
| 8227 | ✓ | | | |
| 8228 | ✓ | | | |
| 8240 | ✓ | | | |
| 8240F | ✓ | ✓ | | ✓ |
| 8242 | ✓ | | | |
| 8242F | ✓ | ✓ | | ✓ |
| 8248 | ✓ | | | |
| 8249 | ✓ | | | |
| 8249G | ✓ | | | |
| 8250 | ✓ | | | |
| 8264 | ✓ | | | |
| 8267 | ✓ | | | |
| 8272 | ✓ | | | |
| 8273 | ✓ | | | |
| 8274 | ✓ | | | |
| 8274A | ✓ | | | |
| 8274G | ✓ | | | |
| 8276 | ✓ | | | |
| 8276G | ✓ | | | |
| 8278 | ✓ | | | |
| 8280 | ✓ | | | |
| 8282 | ✓ | | | |
| 8282S | ✓ | | | |
| 8284 | ✓ | | | |
| 8285 | ✓ | | | |
| 8286 | ✓ | | | |
| 8287 | ✓ | | | |
| 8290 | ✓ | | | |
| 8293 | ✓ | | | |
| 8297C | ✓ | | | |
| 8297F | ✓ | | | |
| 8381SX | ✓ | | | |
| 8702... | ✓ | ✓ | | |
| 8709... | ✓ | ✓ | | |

Beta Collection

A range of exclusive products designed and developed to epitomize Beta's character, it comprises over 200 original, first-rate items: sports equipment, technical clothing and a variety of tailored objects.
An ideal medium for promotional actions, a must for recreational moments.

## 9500TL

softshell jacket, made of 100% polyester, 320 g/m², three-layered, microfibre outer shell, waterproof, breathable intermediate membrane, fleece interior

| | | |
|---|---|---|
| S | 1 | 095000051 |
| M | 1 | 095000052 |
| L | 1 | 095000053 |
| XL | 1 | 095000054 |
| XXL | 1 | 095000055 |

## 9501TLD

women's sweatshirt, made of cotton (80%) and polyester (20%), 320 g/m²

| | | |
|---|---|---|
| S | 1 | 095010061 |
| M | 1 | 095010062 |
| L | 1 | 095010063 |
| XL | 1 | 095010064 |

## 9501TL

men's sweatshirt, made of cotton (80%) and polyester (20%), 320 g/m²

| | | |
|---|---|---|
| S | 1 | 095010051 |
| M | 1 | 095010052 |
| L | 1 | 095010053 |
| XL | 1 | 095010054 |
| XXL | 1 | 095010055 |

## 9502TL
polo shirt, 100% pique cotton, 210 g/m²

| | | |
|---|---|---|
| S | 1 | 095020051 |
| M | 1 | 095020052 |
| L | 1 | 095020053 |
| XL | 1 | 095020054 |
| XXL | 1 | 095020055 |

## 9503TL
t-shirt, 100% jersey cotton, 160 g/m²

| | | |
|---|---|---|
| S | 1 | 095030051 |
| M | 1 | 095030052 |
| L | 1 | 095030053 |
| XL | 1 | 095030054 |
| XXL | 1 | 095030055 |

## 9504TL
jacket with 100% polyester exterior, waterproof treatment

| | | |
|---|---|---|
| S | 1 | 095040051 |
| M | 1 | 095040052 |
| L | 1 | 095040053 |
| XL | 1 | 095040054 |
| XXL | 1 | 095040055 |

## 9505TL
sleeveless jacket with 100% polyester exterior, waterproof treatment, padding 100 g/m², interior pocket

| | | |
|---|---|---|
| S | 1 | 095050051 |
| M | 1 | 095050052 |
| L | 1 | 095050053 |
| XL | 1 | 095050054 |
| XXL | 1 | 095050055 |

## 9572LB
Beta-March t-shirt, 100% cotton, 200 g/m² orange, with black inserts

| | | |
|---|---|---|
| S | 1 | 095720801 |
| M | 1 | 095720802 |
| L | 1 | 095720803 |
| XL | 1 | 095720804 |
| XXL | 1 | 095720805 |

## 9508TL
waterproof jacket, 100% polyester, folds into pocket

| | | |
|---|---|---|
| S | 1 | 095080051 |
| M | 1 | 095080052 |
| L | 1 | 095080053 |
| XL | 1 | 095080054 |
| XXL | 1 | 095080055 |

## 9510W
men's stretch shirt, long-sleeved, 120 g/m², 97% cotton, 3% elastane. White, with black logo. Rear yoke with two side pleats, semi-French collar. White buttons, two cuff buttons. Slim fit

| | | |
|---|---|---|
| XS | 1 | 095100100 |
| S | 1 | 095100101 |
| M | 1 | 095100102 |
| L | 1 | 095100103 |
| XL | 1 | 095100104 |
| XXL | 1 | 095100105 |

## 9534WO
two-button polo shirt, made of jersey cotton, 200 g/m², white with orange inserts

| | | |
|---|---|---|
| S | 1 | 095340031 |
| M | 1 | 095340032 |
| L | 1 | 095340033 |
| XL | 1 | 095340034 |
| XXL | 1 | 095340035 |

## 9534BO
two-button polo shirt, made of jersey cotton, 200 g/m², blue with grey inserts

| | | |
|---|---|---|
| S | 1 | 095340071 |
| M | 1 | 095340072 |
| L | 1 | 095340073 |
| XL | 1 | 095340074 |
| XXL | 1 | 095340075 |

## 9537TL

fleece pullover, 100% polyester

| | | |
|---|---|---|
| **S** | 1 | 095370051 |
| **M** | 1 | 095370052 |
| **L** | 1 | 095370053 |
| **XL** | 1 | 095370054 |
| **XXL** | 1 | 095370055 |

## 9580S

sunglasses "Summer" style

CE

EN ISO 12312-1:2013+A1:2015
UV400
FILTER CAT. III

| | | |
|---|---|---|
| **9580S** | 1 | 095800100 |

## 9593S

smartwatch, touchscreen, fitness tracker, silicone strap

| | | |
|---|---|---|
| **9593S** | 1 | 095930200 |

## 9593SB

multifunction smart bracelet, touchscreen, fitness tracker, heart rate monitor, pedometer, sleep monitoring, with silicone strap, black

**Compatibility: IOS 8.2 or above/ Android 4.4 or above**
**Bluetooth 4.2**
**IP67**

CE IP67

| | | |
|---|---|---|
| **9593SB** | 1 | 095930205 |

## 9593M

automatic watch, steel case, 5 ATM water resistant, steel wristband

| | | |
|---|---|---|
| **9593M** | 1 | 095930120 |

## 9593A

chronograph, steel case, 5 ATM water resistant, silicone strap

| | | |
|---|---|---|
| **9593A** | 1 | 095930050 |

## 9593W

analogue watch, soft touch plastic case with metal ring, 3 ATM water resistant, silicone strap

| | | |
|---|---|---|
| **9593W** | 1 | 095930150 |

## 9544C

cabin-size trolley with 4 double wheels, TSA lock, USB port + 3.5-mm jack

| | | |
|---|---|---|
| **9544C** | 1 | 095440101 |

## 9557J 2.0

bag made of coated polyester/Oxford 600D polyester fabric, dimensions 47x28x25 cm

| | | |
|---|---|---|
| **9557J 2.0** | 1 | 095570020 |

## 9557J 3.0

bag made of coated polyester/Oxford 600D, dimensions 58x29x36 cm

| | | |
|---|---|---|
| **9557J 3.0** | 1 | 095570030 |

## 9557N

"Racing" bag, made from waterproof PVC coated fabric

| cm | | |
|---|---|---|
| 80x35x35 | 1 | 095570001 |

## 9541F

rucksack made of coated polyester/Oxford 600D polyester fabric, dimensions 50x33x16 cm

| | | |
|---|---|---|
| 9541F | 1 | 095410011 |

## 9541S

Rucksack with casing, made of waterproof 210D polyester, 33x45 cm

| | | |
|---|---|---|
| 9541S | 1 | 095410031 |

## 9541BIKE

rucksack made of Oxford polyester, dimensions 41x24x16 cm

| | | |
|---|---|---|
| 9541BIKE | 1 | 095410021 |

## 95740

work gloves, with stretch-elastic cuffs, reinforced thumbs and index fingers, made from touchscreen capable synthetic leather

| | | |
|---|---|---|
| M | 1 | 095740202 |
| L | 1 | 095740203 |
| XL | 1 | 095740204 |
| XXL | 1 | 095740205 |

## 9574B

work gloves, with stretch-elastic cuffs, reinforced thumbs and index fingers, made from touchscreen capable synthetic leather

| | | |
|---|---|---|
| M | 1 | 095740102 |
| L | 1 | 095740103 |
| XL | 1 | 095740104 |
| XXL | 1 | 095740105 |

## 9525TL

Top Line cap

| | | |
|---|---|---|
| 9525TL | 1 | 095250010 |

## 9525F

flat visor cap

| | | |
|---|---|---|
| 9525F | 1 | 095250099 |

## 9525/B

cap, 100% cotton, one size-fits-all adjustable buckle strap, directly embroidered front, sides and back, white

| | | |
|---|---|---|
| 9525B | 5 | 095251031 |

## 9521

umbrella, made of nylon T210, 3-section aluminium frame, black, automatic open/close mechanism

| | | |
|---|---|---|
| 9521 | 1 | 095210000 |

## 95210B

umbrella made of nylon 210T, diameter 100 cm

| | | |
|---|---|---|
| 9521OB | 1 | 095210021 |

## 9599CB-N2

Atala® city bike, Hi-Ten Tig TKK 700c frame, Shimano® Tourney RD-TZ50 derailleur, 6-speed, V-Brakes®, 28" aluminium rims, with pannier rack, stand and bell, matt black

| | | |
|---|---|---|
| 9599CB-N2 | 1 | 095990031 |

## 9599CB-W

Atala® city bike, aluminium frame, Shimano® 6-speed gear, V-Brakes® 28" aluminium rims

| | | |
|---|---|---|
| 9599CB-W | 1 | 095990023 |

## 9598W-N

Whistle® mountain bike, aluminium frame, Suntour XCT30 fork, 29" 100 mm, Shimano RD-TX500 derailleur, 7-speed, hydraulic Shimano BR-M200 brakes and 29” aluminium rims, fluorescent orange / matt anthracite grey

| | | |
|---|---|---|
| 9598W-N M | 1 | 095980130 |
| 9598W-N L | 1 | 095980132 |

## 9598WHP-N

Whistle® mountain bike, aluminium frame, Suntour XCM PL fork, 29" 100 mm, with remote lockout, Shimano XT RD-M8100 Shadow Plus derailleur, 12-speed, hydraulic Shimano BL-MT201/BR-MT200 brakes and 29” aluminium rims, white / matt red

| | | |
|---|---|---|
| 9598WHP-N M | 1 | 095980140 |
| 9598WHP-N L | 1 | 095980142 |

## 9515M

technical jersey, made from quick-dry, breathable fabric; side mesh inserts

| | | |
|---|---|---|
| S | 1 | 095150051 |
| M | 1 | 095150052 |
| L | 1 | 095150053 |
| XL | 1 | 095150054 |
| XXL | 1 | 095150055 |
| XXXL | 1 | 095150056 |

## 9516B

shorts made from quick-dry, breathable Lycra, 180 g/m², with elastic waistband for improved fit

| | | |
|---|---|---|
| S | 1 | 095160051 |
| M | 1 | 095160052 |
| L | 1 | 095160053 |
| XL | 1 | 095160054 |
| XXL | 1 | 095160055 |
| XXXL | 1 | 095160056 |

## 9539CB

protective road and mountain bike cycling helmet with detachable chin guard - adjustable sizes

| | | |
|---|---|---|
| S-M | 1 | 095390010 |
| L-XL | 1 | 095390011 |

## 9542M

short-sleeved jersey, breathable microfibre fabric,
long, covered zip, three rear pockets, including one with zip,
silicone elastic at jersey end

| | | |
|---|---|---|
| S | 1 | 095420051 |
| M | 1 | 095420052 |
| L | 1 | 095420053 |
| XL | 1 | 095420054 |
| XXL | 1 | 095420055 |
| XXXL | 1 | 095420056 |

## 9542C

Lycra bib shorts, silicone elastic at leg end, antibacterial seat padding

| | | |
|---|---|---|
| S | 1 | 095420061 |
| M | 1 | 095420062 |
| L | 1 | 095420063 |
| XL | 1 | 095420064 |
| XXL | 1 | 095420065 |
| XXXL | 1 | 095420066 |

## 9542GW

winter jacket, made from highly breathable, winder breaker fabric and raised fabric;
long zip, silicone-free elastic waistband; close-fitting Lycra cuffs; refractive rear inserts; 3 exterior rear pockets, including 1 with zip

| | | |
|---|---|---|
| S | 1 | 095420101 |
| M | 1 | 095420102 |
| L | 1 | 095420103 |
| XL | 1 | 095420104 |
| XXL | 1 | 095420105 |
| XXXL | 1 | 095420106 |

## 9542G

winter jersey, breathable fabric, raised inside, long zip, three rear pockets, silicone elastic at jersey end

| | | |
|---|---|---|
| S | 1 | 095420012 |
| M | 1 | 095420013 |
| L | 1 | 095420014 |
| XL | 1 | 095420015 |
| XXL | 1 | 095420016 |
| XXXL | 1 | 095420017 |

## 9542S

winter underpants, raised Lycra, antibacterial, high-breathability seat padding

| | | |
|---|---|---|
| S | 1 | 095420022 |
| M | 1 | 095420023 |
| L | 1 | 095420024 |
| XL | 1 | 095420025 |
| XXL | 1 | 095420026 |
| XXXL | 1 | 095420027 |

## 9542AT

sleeveless wind stopper jacket, breathable bound fabric, long zip

| | | |
|---|---|---|
| S | 1 | 095420072 |
| M | 1 | 095420073 |
| L | 1 | 095420074 |
| XL | 1 | 095420075 |
| XXL | 1 | 095420076 |
| XXXL | 1 | 095420077 |

## 9542AL

waterproof windbreaker, long-sleeved, made of breathable fabric

| | | |
|---|---|---|
| S | 1 | 095420042 |
| M | 1 | 095420043 |
| L | 1 | 095420044 |
| XL | 1 | 095420045 |
| XXL | 1 | 095420046 |
| XXXL | 1 | 095420047 |

## 9543C

tubular neck scarf, multipurpose, 100% polyester microfibre, seamless

| | cm | | |
|---|---|---|---|
| 9543C | 25x50 | 1 | 095430100 |

## 9523T

thermal bottle, made of stainless steel, 500 ml, double-layer technology, no air between walls, leak-proof cap,
orange

- **keeps cold drinks cold for 24 hours**
- **keeps hot drinks hot for 12 hours**

CE

EC1935/EC2023

| | ml | L mm | | |
|---|---|---|---|---|
| 9523T | 500 | 255 | 1 | 095230050 |

## 9528B

Polyethylene flask, 500 ml

| | | |
|---|---|---|
| 9528B | 1 | 095280005 |

## 9597P

column pump with gauge

| | | |
|---|---|---|
| 9597P | 1 | 095970100 |

## 9524SC

miniature Beta garage for collectors

| | | |
|---|---|---|
| 1:18 | 1 | 095240018 |

## 9548KB

balance bike, aluminium frame, 12" wheel with inner tube; recommended for children from 3 years; maximum weight: 30 kg

9548KB — 1 — 095480110

## 9548KB 20

Atala® 20" children's mountain bike, Hi-Ten Tig 20" steel frame, 30-mm suspension fork, RD-TY21SS 6V derailleur, aluminium V-brakes and 36-hole aluminium rims,
fluorescent yellow / matt blue

9548KB 20 — 1 — 095480120

## 9548KB 24

Atala® 24" children's mountain bike, Hi-Ten Tig 24" steel frame, suspension fork, Shimano Tourney RD-TYZ50 6V derailleur, aluminium V-brakes and 36-hole aluminium rims,
matt fluorescent orange

9548KB 24 — 1 — 095480122

## 9547WSK

"Kinder Work Station", workbench with tools, for children from 3 years of age

9547WSK — 1 — 095473801

## 9547T

"Kinder trolley", tool trolley, for children from 3 years of age, complete with tools

9547T — 1 — 095470100

## 9548G

"Kinder Garage", 6-storey, with car wash, lift and ramps

9548G — 1 — 095480100

## 9561V 2,5

sail flag 2.5x0.50 m
with aluminium pole,
cross base with weighted ring

9561V 2,5 — 1 — 095610200

## 9561VV 2,5

sail flag, 2x0.50 m,
with pole

9561VV 2,5 — 1 — 095610201

## 9561VV

sail flag, 3.50x0.75 m,
with pole

9561VV — 1 — 095610101

## 9561V

sail flag, 4x0.75 m,
with chrome-plated metal pole,
grit concrete base, 50 cm

9561V — 1 — 095610001

## 9559

one-sided banner, TNT; modules: 3x0.8 m

9559 — 1 — 095591001

## 9559/30MT

nonwoven fabric roll of 10 Beta logos

9559/30MT — 1 — 095591031

## 9590B

flag, made of screen-printed nylon

9590B — 1 — 095900000

## 9577M

overalls, T/C twill, polyester/cotton (65/35), 240 g/m²

| | | |
|---|---|---|
| S | 1 | 095770051 |
| M | 1 | 095770052 |
| L | 1 | 095770053 |
| XL | 1 | 095770054 |

## 9579C

work jacket, polyester/cotton

| | | |
|---|---|---|
| M | 1 | 095791002 |
| L | 1 | 095791003 |
| XL | 1 | 095791004 |

## 9565BBQ

sheet steel barbecue drum with grill, brazier and lid complete with locking clamp

**Chromium-plated steel grill (compliant with Italian Ministerial Decree of 21/03/73 and Regulation (EC) 1935/2004 on food contact materials), with handles and feet**

| | | |
|---|---|---|
| 9565BBQ | 1 | 095650100 |

h 88 cm - ø 59 cm

## 9565T

sheet steel table drum with varnished multi-ply birch top

**Supplied with a double KIT of spacing tubes (7 cm or 20 cm) for vertical adjustment.**

| | | |
|---|---|---|
| 9565T | 1 | 095650200 |

h 95→108 cm - ø 70 cm

## 9565S

sheet steel drum with seat made of removable imitation leather

| | | |
|---|---|---|
| 9565S | 2 | 095650300 |

h 60 cm - ø 38 cm

## 9565ICE

sheet steel ice drum with lid and non-scratch container, certified for food use

**Interior of drum is coated with antirust, water-resistant paint. Storage container can accommodate ice and bottles/cans to cool.**

| | | |
|---|---|---|
| 9565ICE | 1 | 095650400 |

h 60 cm - ø 38 cm

## 9565K

drum table with two seats

| | | |
|---|---|---|
| 9565K | 1 | 095650500 |

## 9563G

office armchairs, for guests

| | | |
|---|---|---|
| 9563G | 1 | 095630050 |

## 9563U

office armchair, ergonomic

| | | |
|---|---|---|
| 9563U | 1 | 095630020 |

## 9549ABW

wireless Bluetooth V5.0 earphones, with built-in microphone, magnetic charging, USB-C charging base, black

CE

| | L mm | H mm | S mm | | |
|---|---|---|---|---|---|
| 9549ABW | 61 | 34,5 | 41 | 1 | 095490091 |

## 9549BP

portable battery, 10000mAh

| | | |
|---|---|---|
| 9549BP | 1 | 095490052 |

## 9549C

USB key, 32 GB

| | | |
|---|---|---|
| 9549C | 1 | 095490062 |

## 9547

desk calculator

| | | |
|---|---|---|
| 9547 | 1 | 095470000 |

## 9594

clock complete with thermometer and hygrometer, 26 cm in diameter

| ø cm | | |
|---|---|---|
| 26 | 1 | 095940051 |

## 9526P

capsule espresso coffee machine. (capsules not inclued)

**Compatible with Lavazza™ and Espresso Point™ capsules for professional use**

| | | |
|---|---|---|
| 9526P | 1 | 095260010 |

## 9527 6T

set of 6 coffee cups

| | | |
|---|---|---|
| 9527 6T | 1 | 095270001 |

## 9527MUG

mug with cover and silicone sleeve

| | | |
|---|---|---|
| 9527MUG | 1 | 095270020 |

## 9522A

bottle opener with ergonomic handle

| | | |
|---|---|---|
| 9522A | 1 | 095220010 |

## 9523A

aluminium flask, 500 ml

| | | |
|---|---|---|
| 9523A | 1 | 095230005 |

## 9586K

multipurpose steel knife, 10 functions

| | | |
|---|---|---|
| 9586K | 1 | 095860100 |

## 9526RMN

set of 2 packs of 55 rummy playing cards by Modiano®

| | | |
|---|---|---|
| 9526RMN | 1 | 095260001 |

## 9592B/C50

set of 50 pens

| | | |
|---|---|---|
| 9592B/C50 | 1 | 095920050 |

## 9592B/P

customised pens

| | | |
|---|---|---|
| 9592B/P | 500 | 095920051 |

## 9592MB

Parker® ballpoint pen

| | | |
|---|---|---|
| 9592MB | 1 | 095920060 |

## 9592M/50

set of 50 pencils

| | | |
|---|---|---|
| 9592M/50 | 1 | 095920100 |

## 9588M
soft foam tray with 1 pen and 2 notebooks

| | | | |
|---|---|---|---|
| 9588M | | 1 | 095880011 |

## 9596
badge holder, polyester, with metal clip and mobile phone string

| | | | |
|---|---|---|---|
| 9596 | | 10 | 095961001 |

## 9595C
leather key ring

| | | | |
|---|---|---|---|
| 9595C | | 1 | 095950011 |

## 9595T
metal chrome-plated key ring, in velvet pouch

| | | | |
|---|---|---|---|
| 9595T | | 1 | 095950021 |

## 9595 C25
metal chrome-plated key ring with rubber hook

| | | | |
|---|---|---|---|
| 9595 C25 | | 1 | 095950031 |

## 9569P
shopper, made of polyethylene, folded sides

| | | | | |
|---|---|---|---|---|
| 9569P | 44x34 | 50 | 095691001 |

## 9569S
TNT shopper with folded sides, 38x42 cm

| | | | | |
|---|---|---|---|---|
| 9569S | cm 38x42 | 50 | 095690051 |

## 9569MS-2
shopper, made of hard-wearing polypropylene

| | | | | |
|---|---|---|---|---|
| 9569MS-2 | cm 45x40 | 5 | 095690055 |

## 9569MS
shopper, made of hard-wearing polypropylene, with double handles

| | | | | |
|---|---|---|---|---|
| 9569MS | cm 60x40 | 5 | 095690052 |

## 9587 9x14
notebook, 9x14 cm

| | | | |
|---|---|---|---|
| 9587 9X14 | | 5 | 095870009 |

## 9587 13x21
notebook, 13x21 cm

| | | | |
|---|---|---|---|
| 9587 13X21 | | 5 | 095870013 |

## 9588S/10...
set of 10 notepads

| | | |
|---|---|---|
| 9588S/10A<br>21x29 cm | 1 | 095881001 |
| 9588S/10B<br>15x21 cm | 1 | 095881002 |
| 9588S/10C<br>10x15 cm | 1 | 095881003 |
| 9588S/10D<br>7,5x10,5 cm | 1 | 095880054 |

## 9588/10PI
set of 10 notepads with adhesive sheets

| | | |
|---|---|---|
| **9588S/10PI**<br>7,5x7,5 cm | 1 | 095880055 |

## 9589A/36
pack of 36 rolls of packaging adhesive tape, with Beta logo, tawny

| | | |
|---|---|---|
| **9589A/36** | 1 | 095890035 |

## 9589B/36
pack of 36 rolls of packaging adhesive tape, with Beta logo, white

| | | |
|---|---|---|
| **9589B/36** | 1 | 095890036 |

## 9562TB
mat for trying on shoes, with anti-skid, rubber-coated bottom

| | | |
|---|---|---|
| **9562TB** | 1 | 095620500 |

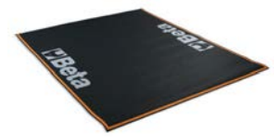
## 9562T2
workbench mat, 200x160 cm

**• protects floor from oil and petrol leaks, environmentally friendly**
**• easy to clean, anti-skid, rubber-coated bottom**

| | | |
|---|---|---|
| **9562T2** | 1 | 095620200 |

## 9562T1
garage mat, 100X80 cm

**particularly suitable for use under motorcycle tyre levers BETA 3071 and 3071B**
**• easy to clean, anti-skid rubber coated bottom**




| | | |
|---|---|---|
| **9562T1** | 1 | 095620150 |

## 9562T3
garage mat, 300x160 cm

**- particularly suitable for use under motorcycle jacks**

**- protects floor from oil and petrol leaks, environmentally friendly**
**- easy to clean, anti-skid, rubber-coated bottom**

| | | |
|---|---|---|
| **9562T3** | 1 | 095620300 |

## 9562P2
multilogo mat, 200x80 cm

**• particularly suitable for use with workshop equipment item C55 or under motorcycles**

| | | |
|---|---|---|
| **9562P2** | 1 | 095620400 |

## 9562P12
multilogo mat roll, 12 m x 80 cm

**Allows mat length to be customized as needed**

| | | |
|---|---|---|
| **9562P12** | 1 | 095620425 |

# ELIMINATED ITEMS – SUBSTITUTE/RECOMMENDED ITEMS

ELIMINATED ITEM
SUBSTITUTE ITEM
RECOMMENDED ITEM

| | | | |
|---|---|---|---|
| 31/B6 | 000310020 | 31/B6N | 000310024 |
| 31/B6-LSE | 000310320 | 31/B6N-LSE | 000310324 |
| 38/B6 | 000380006 | 38/B6N | 000380016 |
| 42 5,5 | 000420005 | 42 5,5 | 000421005 |
| 42 6 | 000420006 | 42 6 | 000421006 |
| 42 7 | 000420007 | 42 7 | 000421007 |
| 42 8 | 000420008 | 42 8 | 000421008 |
| 42 9 | 000420009 | 42 9 | 000421009 |
| 42 10 | 000420010 | 42 10 | 000421010 |
| 42 11 | 000420011 | 42 11 | 000421011 |
| 42 12 | 000420012 | 42 12 | 000421012 |
| 42 13 | 000420013 | 42 13 | 000421013 |
| 42 14 | 000420014 | 42 14 | 000421014 |
| 42 15 | 000420015 | 42 15 | 000421015 |
| 42 16 | 000420016 | 42 16 | 000421016 |
| 42 17 | 000420017 | 42 17 | 000421017 |
| 42 18 | 000420018 | 42 18 | 000421018 |
| 42 19 | 000420019 | 42 19 | 000421019 |
| 42 20 | 000420020 | 42 20 | 000421020 |
| 42 21 | 000420021 | 42 21 | 000421021 |
| 42 22 | 000420022 | 42 22 | 000421022 |
| 42 23 | 000420023 | 42 23 | 000421023 |
| 42 24 | 000420024 | 42 24 | 000421024 |
| 42 25 | 000420025 | 42 25 | 000421025 |
| 42 26 | 000420026 | 42 26 | 000421026 |
| 42 27 | 000420027 | 42 27 | 000421027 |
| 42 28 | 000420028 | 42 28 | 000421028 |
| 42 29 | 000420029 | 42 29 | 000421029 |
| 42 30 | 000420030 | 42 30 | 000421030 |
| 42 32 | 000420032 | 42 32 | 000421032 |
| 42 34 | 000420034 | 42 34 | 000421034 |
| 42 35 | 000420035 | 42 35 | 000421035 |
| 42 36 | 000420036 | 42 36 | 000421036 |
| 42 38 | 000420038 | 42 38 | 000421038 |
| 42 41 | 000420041 | 42 41 | 000421041 |
| 42/BV6 | 000420051 | 2002/BV6 | 020020000 |
| 42/BV9 | 000420056 | 2002/BV9 | 020020030 |
| 42/SCV9I | 000420103 | | |
| 42/SCV9E | 000420104 | | |
| 42AS/B9 | 000420155 | 42AS/B9N | 000420159 |
| 42SLIM/B8I | 000420468 | 42SLIM/B8NI | 000420478 |
| 42SLIM/B8E | 000420469 | 42SLIM/B8NE | 000420479 |
| 42MP/B9 | 000420651 | 42MP/B9N | 000420661 |
| 42/B9 | 000421064 | 42/B9N | 000421074 |
| 55/BV6 | 000550151 | 2002/BV6 | 020020000 |
| 55/B8 | 000550158 | 55/B8N | 000550160 |
| 55/BV8 | 000550159 | 2002/BV8 | 020020020 |
| 55/B12 | 000550162 | 55/B12N | 000550164 |
| 55/BV12 | 000550163 | 2002/BV12 | 020020040 |
| 73/B13 | 000730200 | 73/B13N | 000730202 |
| 73/BV | 000730201 | 2002/BV13 | 020020050 |
| 90/B8 | 000900154 | 90/B8N | 000900156 |
| 90/BV8 | 000900155 | 2002/BV8 | 020020020 |
| 120/B6 | 001200050 | 120/B6N | 001200060 |
| 120/BV | 001200051 | 2002/BVL6 | 020020010 |
| 331L | 003310008 | 334 | 003340001 |
| 331LR/L | 003310058 | | |
| 562/1 | 005620001 | 562-1/VA | 005620601 |
| 562/2 | 005620002 | 562-2/VA | 005620602 |
| 564/3R | 005640003 | 564-3R/VA | 005640603 |
| 564/4R | 005640004 | 564-4R/VA | 005640604 |
| 565/1R | 005650011 | 565-1R/VA | 005650611 |
| 565/2R | 005650012 | 565-2R/VA | 005650612 |
| 565/3R | 005650013 | 565-3R/VA | 005650613 |
| 565/4R | 005650014 | 565-4R/VB | 005650614 |
| 565/5R | 005650015 | 565-5R/VB | 005650615 |
| 567/4R | 005670014 | 567-4R/VB | 005670614 |
| 567/5R | 005670015 | 567-5R/VB | 005670615 |
| 900/C39 | 009000937 | | |
| 960BT 25 | 009600125 | 960BC 25 | 009600285 |
| 960BT 27 | 009600127 | 960BC 27 | 009600287 |
| 960BT 29 | 009600129 | 960BC 29 | 009600289 |
| 960BT 30 | 009600130 | 960BC 30 | 009600290 |
| 971TSP | 009710025 | | |
| 999/B6 | 009990050 | 999/B6N | 009990060 |
| 1105T 30 | 011050201 | 1105T 30 | 011050205 |
| 1105T 50 | 011050202 | 1105T 50 | 011050207 |
| 1105C/15T | 011050251 | 1105C/16T | 011050255 |
| 1105C/29T | 011050252 | 1105C/32T | 011050257 |
| 1128BCX | 011280080 | | |
| 1136 165 | 011360001 | | |
| 1272MQ/F 1X4,5X80 | 012720409 | 1272MQF 1X4,5X80 | 012720609 |
| 1272MQ/F 2X6X100 | 012720418 | 1272MQF 2X6X100 | 012720618 |
| 1273MQ/E2 | 012730313 | 1273MQ/E4 | 012730315 |
| 1273MQ/F-D6 | 012730406 | 1273MQF/D6 | 012730606 |
| 1273BG-MQ/DV2 | 012730653 | 1273BG-MQ/DV4 | 012730655 |
| 1274MQ/F 3,5X100 | 012740403 | 1274MQF 3,5X100 | 012740603 |
| 1274MQ/F 4,5X100 | 012740406 | 1274MQF 4,5X100 | 012740606 |
| 1274MQ/F 5,5X125 | 012740409 | 1274MQF 5,5X125 | 012740609 |
| 1274MQ/F 6,5X150 | 012740412 | 1274MQF 6,5X150 | 012740612 |
| 1281/BV | 012810501 | 2002/BV7-ZIP | 020020060 |
| 1281BG/B28A | 012810510 | 1281BG/B28NA | 012810511 |
| 1438SAC | 014380050 | | |
| 1456/C8 | 014560010 | | |
| 1461/C26B | 014610227 | | |
| 1497CEL | 014970170 | | |
| 1498/50A | 014980050 | | |
| 1498/30A | 014980130 | | |
| 1498C/24 | 014980244 | | |
| 1560/1 | 015600001 | | |
| 1712E/L1 | 017120111 | | |
| 1712E/R-L1 | 017120611 | | |
| 1843BM | 018430101 | 1842 15-H05/LED | 018420821 |
| 1843R/BM | 018430131 | | |
| 1846LED/BM | 018460301 | 1842 15-H05/LED | 018420821 |
| 1846LED/ABM | 018460311 | 1842 15-H05/LED | 018420821 |
| 1848 | 018480015 | 1844 15-H05/SCK | 018440316 |
| 1850B | 018500011 | 1850D | 018500018 |
| 1850C | 018500015 | 1850E | 018500020 |
| 1850UB | 018500100 | | |
| 1850UF | 018500101 | | |
| 1850UP | 018500102 | | |
| 1850UR | 018500103 | | |
| 1860 140A | 018600004 | 1860 160A | 018600006 |
| 1871M | 018710035 | | |
| 1871M/AS | 018710135 | | |
| 1897KSA | 018970660 | | |
| 1901BM/8 | 019010111 | 1900S 8X10 | 019000080 |
| 1901T/10 | 019010210 | 1900M 10X15 | 019000115 |
| 1910/8 | 019100008 | 1900S 8X10 | 019000080 |
| 1910/10 | 019100010 | 1900M 10X15 | 019000115 |
| 1937RT | 019370021 | | |
| 1937RT/R | 019370022 | | |
| 1937RT/T | 019370023 | | |
| 1949GPE | 019490008 | 1949GPA | 019490018 |
| 1949DGT | 019490020 | 1949DGT/2 | 019490021 |
| 2033P/VV | 020330300 | 2033L/VV | 020330250 |
| 2033PEL/A | 020331214 | 2033LEL/A | 020331224 |
| 2033PEL/B | 020331215 | 2033LEL/B | 020331225 |
| 2033PET/B | 020331227 | 2033LET/B | 020331237 |
| C22S-O | 022000501 | RSC22-O | 022003001 |
| C22S-G | 022000502 | RSC22-A | 022003007 |
| C22S-R | 022000503 | RSC22-R | 022003003 |
| C23S-O | 023000501 | RSC23-O | 023003001 |
| C23S-G | 023000502 | RSC23-A | 023003007 |
| C23S-R | 023000503 | RSC23-R | 023003003 |
| C23SC-O | 023000511 | RSC23C-O | 023003011 |
| C23SC-G | 023000512 | RSC23C-A | 023003017 |
| C23SC-R | 023000513 | RSC23C-R | 023003013 |
| C23ST-O | 023000521 | RSC23T-FO | 023003020 |
| C23ST-G | 023000522 | RSC23T-A | 023003027 |
| C23ST-R | 023000523 | RSC23T-R | 023003023 |
| C24S/5-O | 024002051 | RSC24/5-FO | 024004050 |
| C24S/5-G | 024002052 | RSC24/5-A | 024004057 |
| C24S/5-R | 024002053 | RSC24/5-R | 024004053 |
| C24S/6-O | 024002061 | RSC24/6-FO | 024004060 |
| C24S/6-G | 024002062 | RSC24/6-A | 024004067 |
| C24S/6-R | 024002063 | RSC24/6-R | 024004063 |
| C24S/7-O | 024002071 | RSC24/7-FO | 024004070 |
| C24S/7-G | 024002072 | RSC24/7-A | 024004077 |
| C24S/7-R | 024002073 | RSC24/7-R | 024004073 |
| C24S/7-B | 024002076 | RSC24/7-B | 024004076 |
| C24S/7-N | 024002079 | RSC24/7-N | 024004079 |
| C24S/8-O | 024002081 | RSC24/8-FO | 024004080 |
| C24S/8-G | 024002082 | RSC24/8-A | 024004087 |
| C24S/8-R | 024002083 | RSC24/8-R | 024004083 |
| C24SL-O | 024002101 | RSC24L/7-O | 024004371 |
| C24SL-G | 024002102 | RSC24L/7-A | 024004377 |

# ELIMINATED ITEMS – SUBSTITUTE/RECOMMENDED ITEMS

ELIMINATED ITEM
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| | | | |
|---|---|---|---|
| C24SL-R | 024002103 | RSC24L/7-R | 024004373 |
| C24SA/6-O | 024002161 | RSC24A/6-O | 024004161 |
| C24SA/6-G | 024002162 | RSC24A/6-A | 024004167 |
| C24SA/6-R | 024002163 | RSC24A/6-R | 024004163 |
| C24SA/7-O | 024002171 | RSC24A/7-O | 024004171 |
| C24SA/7-G | 024002172 | RSC24A/7-A | 024004177 |
| C24SA/7-R | 024002173 | RSC24A/7-R | 024004173 |
| C24SA/8-O | 024002181 | RSC24A/8-O | 024004181 |
| C24SA/8-G | 024002182 | RSC24A/8-A | 024004187 |
| C24SA/8-R | 024002183 | RSC24A/8-R | 024004183 |
| C24SL-CAB/O | 024002191 | RSC24L-CAB/O | 024004471 |
| C24SL-CAB/G | 024002192 | RSC24L-CAB/A | 024004477 |
| C24SL-CAB/R | 024002193 | RSC24L-CAB/R | 024004473 |
| C24SAXL/7-O | 024002271 | RSC24AXL/7-O | 024004271 |
| C24SAXL/7-G | 024002272 | RSC24AXL/7-A | 024004277 |
| C24SAXL/7-R | 024002273 | RSC24AXL/7-R | 024004273 |
| C24SAXL/8-O | 024002281 | RSC24AXL/8-O | 024004281 |
| C24SAXL/8-G | 024002282 | RSC24AXL/8-A | 024004287 |
| C24SAXL/8-R | 024002283 | RSC24AXL/8-R | 024004283 |
| C24SAXL/9-O | 024002331 | RSC24AXL/9-O | 024004291 |
| C24SAXL/9-G | 024002332 | RSC24AXL/9-A | 024004297 |
| C24SAXL/9-R | 024002333 | RSC24AXL/9-R | 024004293 |
| 2400S/PF | 024002906 | 2400 RSC24/PF-A | 024004905 |
| 2400SR/PC-O | 024002951 | | |
| 2400SR/PC-G | 024002952 | 2400 RSC24/PC-A | 024004903 |
| 2400SR/PC-R | 024002953 | | |
| M223 | 024500223 | M222 | 024500222 |
| M224 | 024500224 | | |
| C28-O | 028000301 | RSC28-O | 028003001 |
| C28-G | 028000302 | RSC28-A | 028003007 |
| C28-R | 028000303 | RSC28-R | 028003003 |
| C30S | 030000100 | C30M | 030000300 |
| 3000S/PLM | 030000150 | 3000M/PLM | 030000350 |
| 3500/D | 035000503 | | |
| 3912T | 039120010 | 3912TP | 039120050 |
| 3912T/AD12 | 039120012 | | |
| 3912T/AD15 | 039120015 | | |
| 3912T/AD20 | 039120020 | | |
| 3912T/ADC | 039120035 | | |
| 3912P | 039120110 | 3912PP | 039120150 |
| 3916MM | 039160110 | 3916MMP | 039160150 |
| C41MS/O | 041000904 | | |
| C41MS/N | 041000922 | | |
| C41MS/B | 041000932 | | |
| C41MS/R | 041000942 | | |
| C41MS/G | 041000952 | | |
| C41MS/Y | 041000962 | | |
| C41MS/W | 041000972 | | |
| C41MS/V | 041000982 | | |
| C42MCH | 042000105 | | |
| C45/X | 045000010 | C45PRO X | 045000001 |
| C45/W | 045000020 | C45PRO W | 045000002 |
| C45/AX | 045000030 | C45PRO AX | 045000003 |
| C45/AW | 045000040 | C45PRO AW | 045000004 |
| C45/BX | 045000043 | C45PRO BX | 045000021 |
| C45/BW | 045000053 | C45PRO BW | 045000022 |
| C45/CX | 045000063 | C45PRO CX | 045000023 |
| C45/CW | 045000073 | C45PRO CW | 045000024 |
| C45/DX | 045000075 | C45PRO DX | 045000031 |
| C45/DW | 045000076 | C45PRO DW | 045000032 |
| C45/EX | 045000078 | C45PRO EX | 045000033 |
| C45/EW | 045000079 | C45PRO EW | 045000034 |
| C45/BPX-1,3 | 045000083 | C45PRO BPX-1,3 | 045000041 |
| C45/BPX-2,0 | 045000090 | C45PRO BPX-2,0 | 045000042 |
| C45/BPW-1,3 | 045000093 | C45PRO BPW-1,3 | 045000051 |
| C45/BPW-2,0 | 045000100 | C45PRO BPW-2,0 | 045000052 |
| C45M7A/X | 045000160 | C45PRO M7A/X | 045000161 |
| C45M7A/W | 045000170 | C45PRO M7A/W | 045000171 |
| C45C7 | 045000207 | C45PRO C7 | 045000227 |
| C45MA | 045000212 | C45PRO MA | 045000232 |
| C45M5 | 045000215 | C45PRO M5 | 045000235 |
| C45M7 | 045000217 | C45PRO M7 | 045000237 |
| C45MS | 045000219 | C45PRO MS | 045000239 |
| C45PM | 045000301 | C45PRO PM | 045000302 |
| C45PF | 045000311 | C45PRO PF | 045000313 |
| C45SS | 045000332 | C45PRO SS | 045000333 |
| C45SL | 045000365 | C45PRO SL | 045000366 |
| C45CORNER/X | 045000400 | C45PRO C/X | 045000401 |
| C45CORNER/W | 045000410 | C45PRO C/W | 045000411 |
| C45AS1 | 045000450 | C45PRO AS1 | 045000451 |
| C45AS2 | 045000480 | C45PRO AS2 | 045000481 |
| C58P-O | 058000121 | C58P-O | 058000221 |
| C58P-G | 058000122 | C58P-G | 058000222 |
| C58P-R | 058000123 | C58P-R | 058000223 |
| C63E/W | 063000010 | | |
| C63G/C | 063000020 | | |
| 6600 M/379 | 066000379 | 6600 M/380 | 066000380 |
| 6600 M/640 | 066000640 | 6600 M/643 | 066000643 |
| 7217FB 35 | 072170135 | 7217FG 35 | 072170235 |
| 7217FB 36 | 072170136 | 7217FG 36 | 072170236 |
| 7217FB 37 | 072170137 | 7217FG 37 | 072170237 |
| 7217FB 38 | 072170138 | 7217FG 38 | 072170238 |
| 7217FB 39 | 072170139 | 7217FG 39 | 072170239 |
| 7217FB 40 | 072170140 | 7217FG 40 | 072170240 |
| 7217FB 41 | 072170141 | 7217FG 41 | 072170241 |
| 7217FB 42 | 072170142 | 7217FG 42 | 072170242 |
| 7217FB 43 | 072170143 | 7217FG 43 | 072170243 |
| 7217FB 44 | 072170144 | 7217FG 44 | 072170244 |
| 7217FB 45 | 072170145 | 7217FG 45 | 072170245 |
| 7217FB 46 | 072170146 | 7217FG 46 | 072170246 |
| 7217FB 47 | 072170147 | 7217FG 47 | 072170247 |
| 7217FB 48 | 072170148 | 7217FG 48 | 072170248 |
| 7252NKK 38 | 072520138 | 7356G 38 | 073560038 |
| 7252NKK 39 | 072520139 | 7356G 39 | 073560039 |
| 7252NKK 40 | 072520140 | 7356G 40 | 073560040 |
| 7252NKK 41 | 072520141 | 7356G 41 | 073560041 |
| 7252NKK 42 | 072520142 | 7356G 42 | 073560042 |
| 7252NKK 43 | 072520143 | 7356G 43 | 073560043 |
| 7252NKK 44 | 072520144 | 7356G 44 | 073560044 |
| 7252NKK 45 | 072520145 | 7356G 45 | 073560045 |
| 7252NKK 46 | 072520146 | 7356G 46 | 073560046 |
| 7252NKK 47 | 072520147 | 7356G 47 | 073560047 |
| 7253NKK 38 | 072530138 | 7357G 38 | 073570038 |
| 7253NKK 39 | 072530139 | 7357G 39 | 073570039 |
| 7253NKK 40 | 072530140 | 7357G 40 | 073570040 |
| 7253NKK 41 | 072530141 | 7357G 41 | 073570041 |
| 7253NKK 42 | 072530142 | 7357G 42 | 073570042 |
| 7253NKK 43 | 072530143 | 7357G 43 | 073570043 |
| 7253NKK 44 | 072530144 | 7357G 44 | 073570044 |
| 7253NKK 45 | 072530145 | 7357G 45 | 073570045 |
| 7253NKK 46 | 072530146 | 7357G 46 | 073570046 |
| 7253NKK 47 | 072530147 | 7357G 47 | 073570047 |
| 7300MK 36 | 073000636 | | |
| 7300MK 37 | 073000637 | | |
| 7300MK 38 | 073000638 | | |
| 7300MK 39 | 073000639 | | |
| 7300MK 40 | 073000640 | | |
| 7300MK 41 | 073000641 | | |
| 7300MK 42 | 073000642 | | |
| 7300MK 43 | 073000643 | | |
| 7300MK 44 | 073000644 | | |
| 7300MK 45 | 073000645 | | |
| 7300MK 46 | 073000646 | | |
| 7300MK 47 | 073000647 | | |
| 7300MK 48 | 073000648 | | |
| 7300FT 36 | 073000736 | | |
| 7300FT 37 | 073000737 | | |
| 7300FT 38 | 073000738 | | |
| 7300FT 39 | 073000739 | 7362B 39 | 073620039 |
| 7300FT 40 | 073000740 | 7362B 40 | 073620040 |
| 7300FT 41 | 073000741 | 7362B 41 | 073620041 |
| 7300FT 42 | 073000742 | 7362B 42 | 073620042 |
| 7300FT 43 | 073000743 | 7362B 43 | 073620043 |
| 7300FT 44 | 073000744 | 7362B 44 | 073620044 |
| 7300FT 45 | 073000745 | 7362B 45 | 073620045 |
| 7300FT 46 | 073000746 | 7362B 46 | 073620046 |
| 7300FT 47 | 073000747 | 7362B 47 | 073620047 |
| 7300FT 48 | 073000748 | 7362B 48 | 073620048 |
| 7314AB 35 | 073140335 | 7314AF 35 | 073140235 |
| 7314AB 36 | 073140336 | 7314AF 36 | 073140236 |
| 7314AB 37 | 073140337 | 7314AF 37 | 073140237 |
| 7314AB 38 | 073140338 | 7314AF 38 | 073140238 |
| 7314AB 39 | 073140339 | 7314AF 39 | 073140239 |
| 7314AB 40 | 073140340 | 7314AF 40 | 073140240 |
| 7314AB 41 | 073140341 | 7314AF 41 | 073140241 |
| 7314AB 42 | 073140342 | 7314AF 42 | 073140242 |
| 7314AB 43 | 073140343 | 7314AF 43 | 073140243 |
| 7314AB 44 | 073140344 | 7314AF 44 | 073140244 |
| 7314AB 45 | 073140345 | 7314AF 45 | 073140245 |
| 7314AB 46 | 073140346 | 7314AF 46 | 073140246 |
| 7314AB 47 | 073140347 | 7314AF 47 | 073140247 |
| 7314AB 48 | 073140348 | 7314AF 48 | 073140248 |
| 7319ESD 36 | 073190236 | | |

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ELIMINATED ITEM
SUBSTITUTE ITEM
RECOMMENDED ITEM

| | | | |
|---|---|---|---|
| 7319ESD 37 | 073190237 | | |
| 7319ESD 38 | 073190238 | | |
| 7319ESD 39 | 073190239 | | |
| 7319ESD 40 | 073190240 | | |
| 7319ESD 41 | 073190241 | | |
| 7319ESD 42 | 073190242 | | |
| 7319ESD 43 | 073190243 | | |
| 7319ESD 44 | 073190244 | | |
| 7319ESD 45 | 073190245 | | |
| 7319ESD 46 | 073190246 | | |
| 7319ESD 47 | 073190247 | | |
| 7319ESD 48 | 073190248 | | |
| 7577N XS | 075770000 | | |
| 7577N S | 075770001 | 7579T S | 075790001 |
| 7577N M | 075770002 | 7579T M | 075790002 |
| 7577N L | 075770003 | 7579T L | 075790003 |
| 7577N XL | 075770004 | 7579T XL | 075790004 |
| 7577N XXL | 075770005 | 7579T XXL | 075790005 |
| 7577N XXXL | 075770006 | 7579T XXXL | 075790006 |
| 7734 S | 077340001 | 7670G S | 076700001 |
| 7734 M | 077340002 | 7670G M | 076700002 |
| 7734 L | 077340003 | 7670G L | 076700003 |
| 7734 XL | 077340004 | 7670G XL | 076700004 |
| 7734 XXL | 077340005 | 7670G XXL | 076700005 |
| 7734 XXXL | 077340006 | 7670G XXXL | 076700006 |
| 7811 S | 078110001 | 7810 S | 078100101 |
| 7811 M | 078110002 | 7810 M | 078100102 |
| 7811 L | 078110003 | 7810 L | 078100103 |
| 7811 XL | 078110004 | 7810 XL | 078100104 |
| 7811 XXL | 078110005 | 7810 XXL | 078100105 |
| 7820 XS | 078200000 | 7650 XS | 076500000 |
| 7820 S | 078200001 | 7650 S | 076500001 |
| 7820 M | 078200002 | 7650 M | 076500002 |
| 7820 L | 078200003 | 7650 L | 076500003 |
| 7820 XL | 078200004 | 7650 XL | 076500004 |
| 7820 XXL | 078200005 | 7650 XXL | 076500005 |
| 7820 XXXL | 078200006 | 7650 XXXL | 076500006 |
| 7820 XXXXL | 078200007 | | |
| 7821 XS | 078210000 | | |
| 7821 S | 078210001 | | |
| 7821 M | 078210002 | | |
| 7821 L | 078210003 | | |
| 7821 XL | 078210004 | | |
| 7821 XXL | 078210005 | | |
| 7821 XXXL | 078210006 | | |
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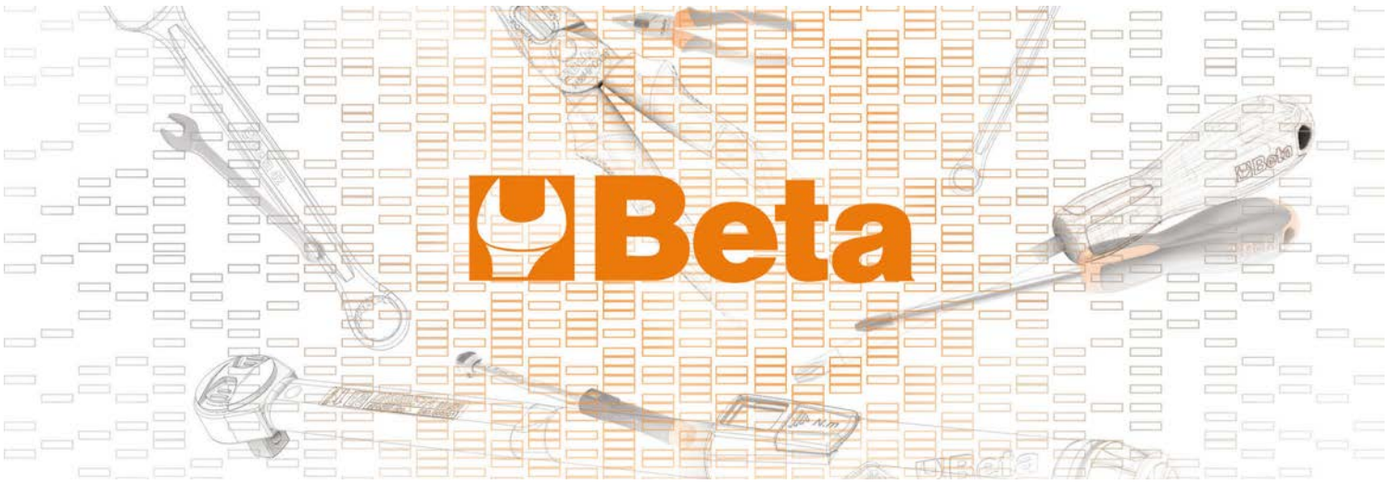

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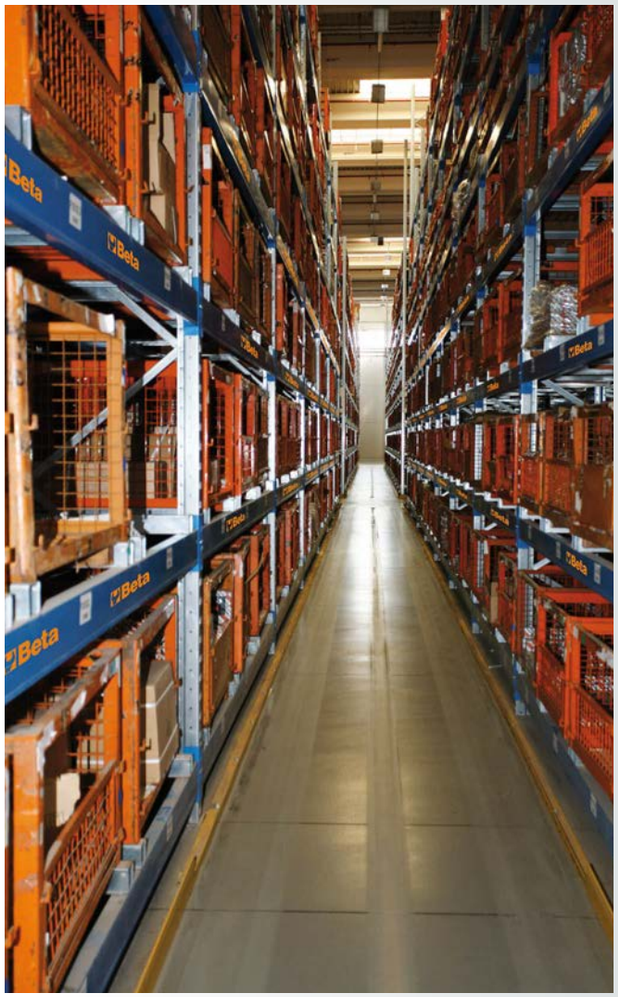
# LOGISTICS

**22.000 m² surface area**

**Quick, prompt and complete deliveries**



**15.000** coded items and over **27.000** loading units

# WORLDWIDE DISTRIBUTION

Active in over
**100 countries**
worldwide

**Beta's far-reaching distribution network** serves professional users across the world.

**11 Subsidiaries**

# THE HISTORY OF ITALIAN **TOOLS**

**1923** Alessandro Ciceri founded “Alessandro Ciceri & Figli”, to manufacture iron and steel casts.

**1939** The trademark Beta was registered and the Company became involved mainly in manufacturing professional tools.

**1960** Beta Utensili employed two hundred people, exported their products and stood out as an up-and-coming manufacturer of professional tools.

**1969** The revolutionary orange sheet metal “Tank” trolley was developed; from that moment orange would result in a unique style for the trademark Beta.

**1971** Beta Utensili entered the motor racing world, with a view to testing and developing their products.

**1975** The Company scored their first Formula 1 victory with the orange **March-Beta Utensili** driven by Vittorio Brambilla, who won the Austrian Grand Prix in Zeltweg, in the pouring rain.

**1980** Beta Utensili further penetrated the main European markets, progressively establishing branches in France, Britain, Holland, Spain, Poland and Hungary.

**1995** It took the Company no more than 8 months to have their Quality System certified in accordance with the ISO 9001 standards.

**2000** The launch of the new Beta Utensili catalogue testified to ongoing growth. The range of available products was doubled, and the over 10,000 coded items were divided into 22 product families.

**2002** Beta Utensili’s range was further expanded, being supplemented with safety footwear as well as with work and free-time wear, namely the “Beta Work” range.

**2009** Beta further expanded their markets, establishing Beta China.

**2012** Beta Brazil was founded.

**2016** Beta introduces a new modular workshop equipment combination system.

**2018** BM S.p.A - leader in the production and sales of crimping terminals and electric connection systems - becomes part of the Beta Group.

**2019** Beta Utensili took over **Abra Beta S.p.A**, a market leader in the production of resin bond reinforced abrasives for grinding and cutting all types of materials and shaft-mounted wheels.

**2020** Beta Utensili took over the leading manufacturer of flexible abrasives, **Elpa Abrasivi S.r.l.**, thereby creating a national skills centre and successfully entering the abrasives market with a new, comprehensive range of professional items. The **Beta Tools USA** branch was established, as a major step towards expansion in the North American market.

**2022** Ongoing growth has translated into the current product range – distributed worldwide –, which exceeds **15,000 coded items,** designed to satisfy the most demanding professionals’ requirements.

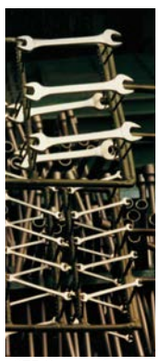
1939 Forging department

1950 Galvanising department

1955 Shearing department

1960 Shipping warehouse

1969 Tank trolley


1975 Chrome finishing

1974 Vittorio Brambilla

1980 Engineering department

2002 “BetaWork”

2021 Tour de france

2021 Sam Lowes

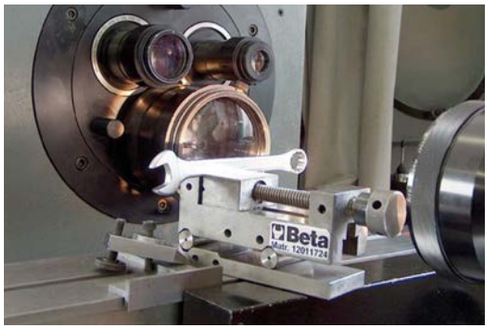
# CERTIFIED QUALITY

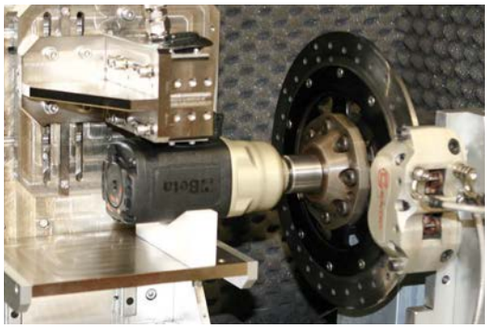
In 2018 Beta roller cabs were awarded prestigious **Tüv** certification, after passing severe tests according to protocol EK5/TA5.

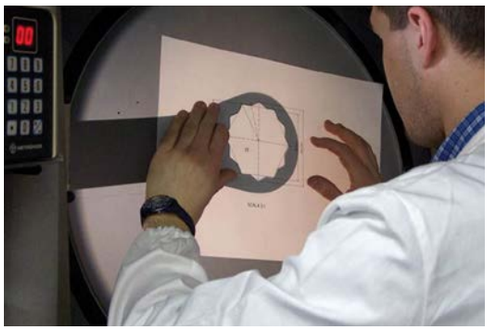
Protocol EK5/TA5 deals with 31 well-defined building characteristics, stringent static tests and dynamic behaviour tests. Other tests determine resistance to high and low temperatures, the service life of markings over time and corrosion resistance.

Credit for this achievement is due to the expert design, accurate manufacture and stringent tests Beta relies on for its roller cabs, which has allowed their quality to be acknowledged by end users.

# CONTROL AND QUALITY







At Beta, quality has a simple, concrete meaning: “that which fully satisfies the needs and expectations of the professional users who rely on our products as an irreplaceable working instrument”. Tools are not only designed and manufactured correctly to fulfil a need, but they must guarantee repeat performances consistently over time.
At Beta, quality goes beyond a merely attentive industrial and sales policy, to permeate every company division, driving us all to achieve increasingly ambitious goals in terms of customer satisfaction. Beta has built its history on this very concept.

**Beta quality, our most concrete proof**

**The quality of Beta tools is a synergy of age-old techniques and new technologies.**

Since 1995 our production processes have complied with the ISO 9001 Quality System standards

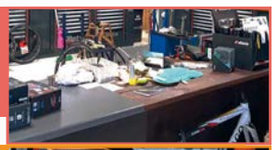
# WORK ORGANIZATION

5S is a workplace organization method of Japanese origin. The name is derived from the western transcription of 5 Japanese words: **seiri, seiton, seiso, seiketsu and shitsuke.**

Following the 5 steps identified by the words allows a systematic, repeatable method to be implemented with a view to optimized working standards and enhanced operating performance.

SEIRI

**SORT**
Remove all unnecessary items from the workplace; only keep the items you need.



SEITON

**SET IN ORDER**
Put everything into its proper place: a place for everything and everything in its place.

SEISO

**SHINE**
Keep the workplace clean and tidy.

SEIKETSU

**STANDARDIZE**
Establish consistent work practices to keep rationalizing resources and spaces, determining a standard to implement.

SHITSUKE

**SUSTAIN**
Support and spread this mindset and behaviour across the organization.

## BENEFITS

Reduced time loss and improved cost-effectiveness

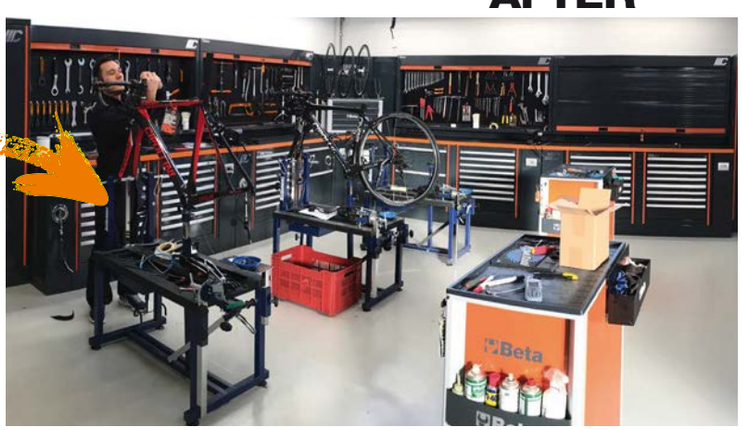
Enhanced quality and productivity

Fewer work accidents

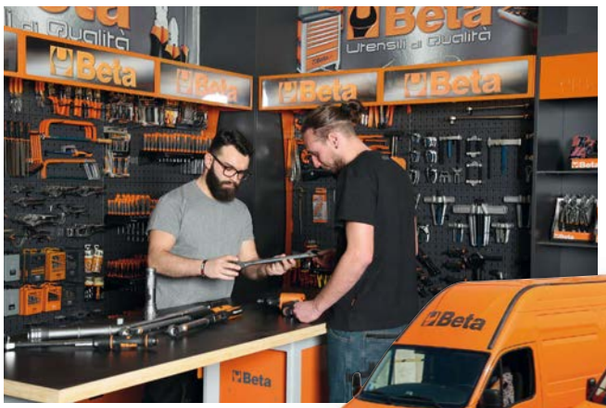
Greater efficiency

**BEFORE**

**AFTER**



# EFFECTIVE PRESENCE



**Demonstration unit 2021**

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1939 1950 1960 1970 1980

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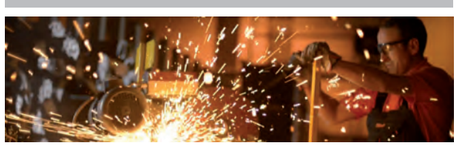

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