

Insulated Screwdriver Set



- Shank material - SNCM - V alloy steel
- Grip material - PP + TPR
- Finishing - chrome plated with black tip



KT NO.

PC.

Contents

0.86

1 / 20

30606MR	6	1471	PH0 x 75, PH2 x 100, PH3 x 150
		1472	3 x 75, 4 x 100, 6.5 x 150
30607MR	7	1472	4 x 100, 5.5 x 125, 6.5 x 150, 8.0 x 175
		1478	PZ1 x 100, PZ2 x 100, PZ3 x 150
30607MR02	7	1471	PH1 x 100, PH2 x 100
		1472	4 x 100, 5.5 x 125, 6.5 x 150
		1474	1 x 125, 2 x 150
30617MR	7	1471	PH1 x 100, PH2 x 100, PH3 x 150
		1472	4 x 100, 5.5 x 125, 6.5 x 150, 8.0 x 175



KT NO.

PC.

Contents

0.50

1 / 30

30605MR	5	1472	4 x 100, 5.5 x 125, 6.5 x 150
		1478	PZ1 x 100, PZ2 x 100
30615MR	5	1471	PH1 x 100, PH2 x 100
		1472	4 x 100, 5.5 x 125, 6.5 x 150



Tool Box Set

37
PC.



9052-001MRV

Plastic case size (mm) :
456 x 372 x 155 (0.93 cuft)



Pouch 1

6
PC.



Pouch 2

21
PC.



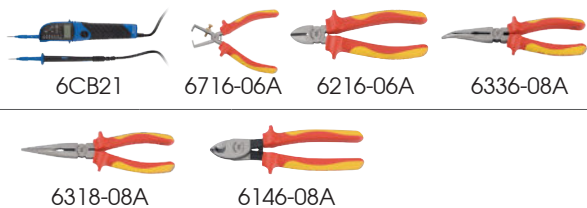
EVA foam(9-90110GPV)

10
PC.



Pouch 1

Contents



EVA foam(9-90110GPV)

Contents

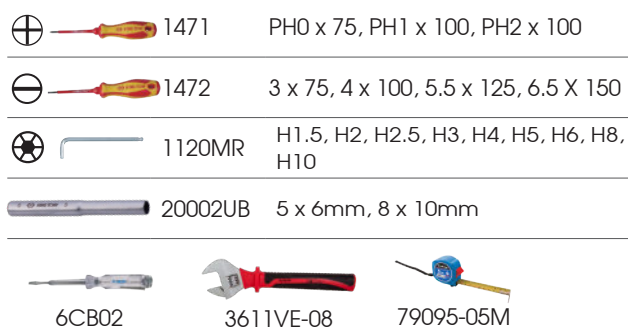


8.69 CUFT 1.16



Pouch 2

Contents



IC SPECIALIZED TOOLS & MEASURING TOOLS

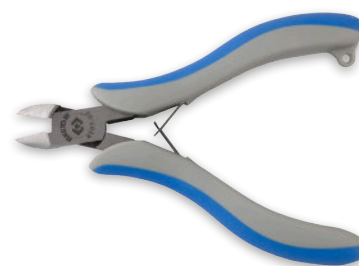
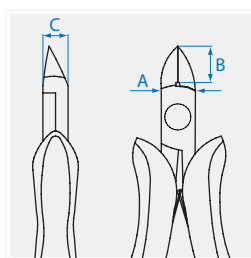
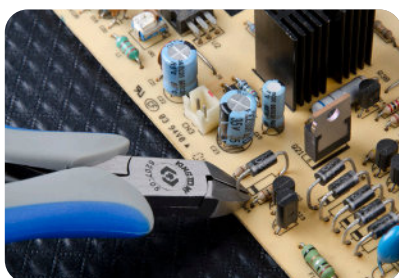




Precision Pliers

6207-05

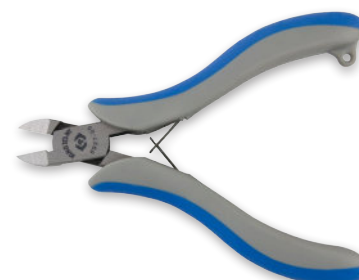
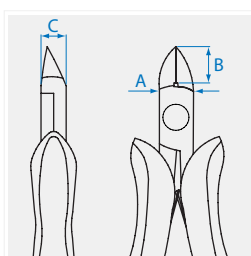
 Diagonal cutting nippers



KT NO.	Overall length		Cutting capacities		A mm	B mm	C mm		
	inch	mm	 $\varnothing$ mm	 $\varnothing$ mm					
6207-05	4-3/4	118	2.0	1.6	10.8	11.5	7.1	88	6 / 120

6927-05

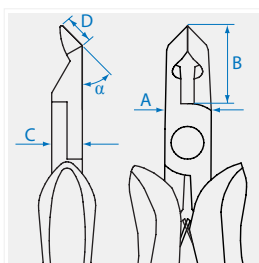
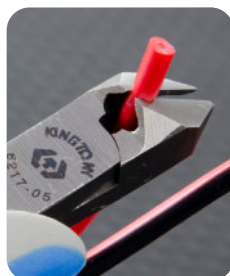
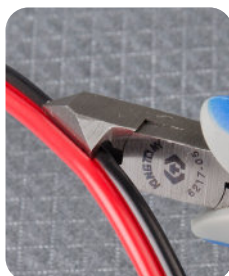
 For plastic



KT NO.	Overall length		A mm	B mm	C mm		
	inch	mm					
6927-05	4-3/4	118	10.3	11.5	7.1	71	6 / 120

6217-05

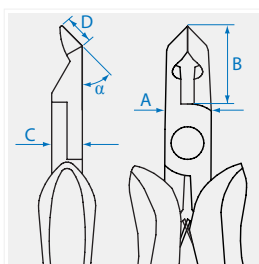
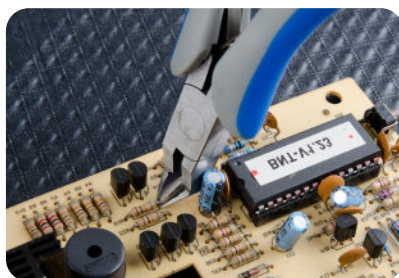
 Diagonal cutting nippers



KT NO.	Overall length		Cutting capacities		α	A mm	B mm	C mm	D mm		
	inch	mm	 $\varnothing$ mm	 $\varnothing$ mm							
6217-05	4-3/4	118	2.0	1.0	35°	11.8	17	12.7	17.7	76	6 / 120

6247-05

 Diagonal cutting nippers



KT NO.	Overall length		Cutting capacities		α	A mm	B mm	C mm	D mm		
	inch	mm	 $\varnothing$ mm	 $\varnothing$ mm							
6247-05	5	125	1.0	0.5	45°	11.4	19.4	7.5	55	73	6 / 120

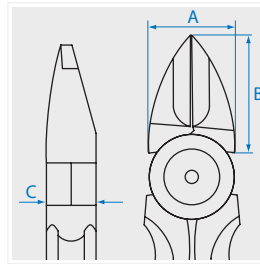


Precision Pliers

6271C

 Diagonal cutting nippers

- The cutting edge hardness at least 73° HRC up

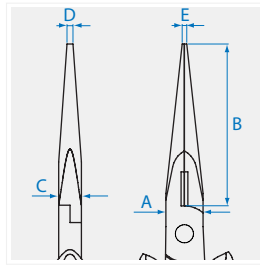
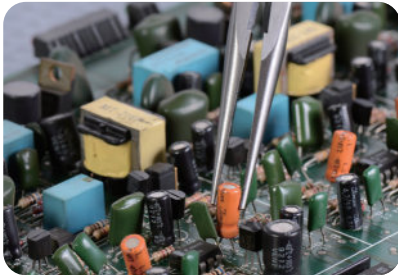


- The cutting edge is made from tungsten steel for an extremely long service life.

KT NO.	Overall length inch	mm		A mm	B mm	C mm		
6271-05C	5	125	0.6	13.2	15	7.1	77	6 / 120
6271-65C	6-1/2	160	0.6	19.2	26	10.7	151	6 / 120

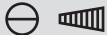
6317-06

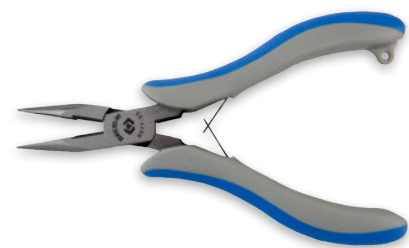
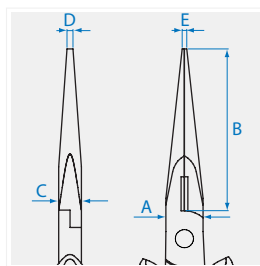
 Long nose pliers



KT NO.	Overall length inch	mm	Cutting capacities  $\varnothing$ mm	$\varnothing$ mm	A mm	B mm	C mm	D mm	E mm		
6317-06	6	157	2.0	1.6	11.6	50	7.5	2	2	84	6 / 120

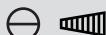
6377-55

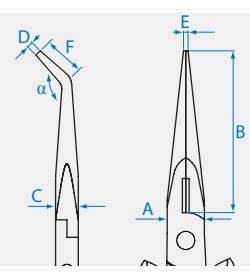
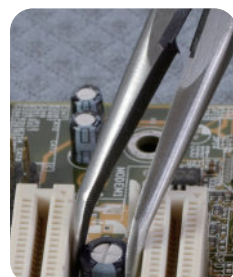
 Half-round nose pliers



KT NO.	Overall length inch	mm	Cutting capacities  $\varnothing$ mm	$\varnothing$ mm	A mm	B mm	C mm	D mm	E mm		
6377-55	5-1/2	138	2.0	1.6	11.3	30	7.5	1.5	1.5	97	6 / 120

6337-06

 Bent nose pliers



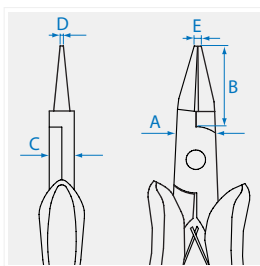
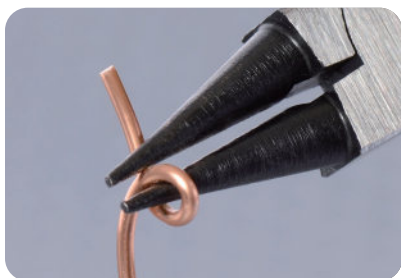
KT NO.	Overall length inch	mm	Cutting capacities  $\varnothing$ mm	$\varnothing$ mm	α	A mm	B mm	C mm	D mm	E mm	F mm		
6337-06	6	154	2.0	1.6	40°	11.3	50	7.5	2	2.5	14	84	6 / 120



Precision Pliers

6347-05

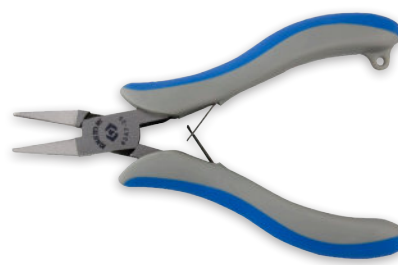
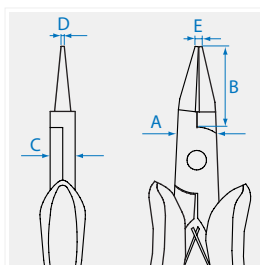
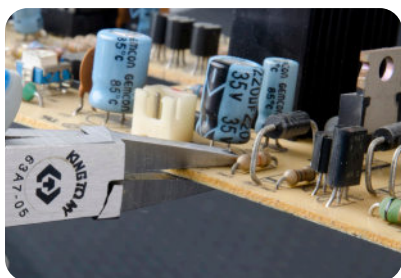
8 Round-nose pliers



KT NO.	Overall length		A mm	B mm	C mm	D mm	E mm		
	inch	mm							
6347-05	5	128	11.4	24.9	7.5	1	2.14	74	6 / 120

63A7-05

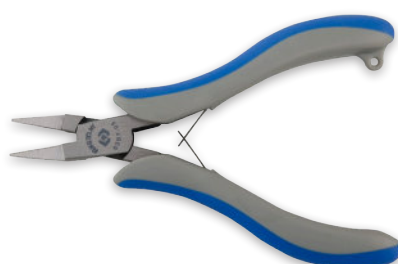
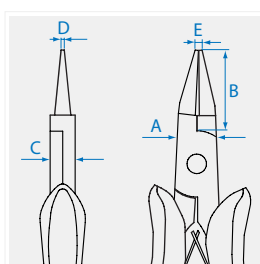
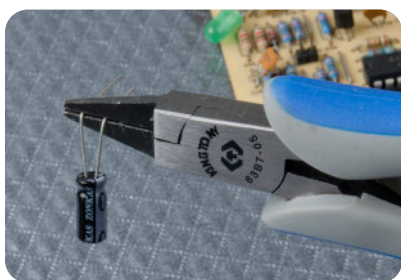
Round-nose pliers



KT NO.	Overall length		A mm	B mm	C mm	D mm	E mm		
	inch	mm							
63A7-05	5	128	11.5	24.7	7.5	3.3	1.8	75	6 / 120

63B7-05

Round-nose pliers



KT NO.	Overall length		A mm	B mm	C mm	D mm	E mm		
	inch	mm							
63B7-05	5	128	11.5	24.7	7.5	1.3	1.8	74	6 / 120



Precision Screwdriver

- Shank material - SNCM - V alloy steel
- Grip material - PP
- Finishing - chrome plated with black tip

1431



- Phillips head, round shank
- DIN ISO 8764

KT NO.	⊕ No.	∅ mm	mm	mm	g	mm
14313015	PH000	1.5	40	7	10 / 320	
14312015	PH00	2.0	40	7	10 / 320	
14311015	PH0	3.0	40	13	10 / 100	
14311115	PH1	4.0	40	16	10 / 100	
14313003	PH000	1.5	75	8	10 / 320	
14312003	PH00	2.0	75	8	10 / 320	
14311003	PH0	3.0	75	14	10 / 100	
14311103	PH1	4.0	75	18	10 / 100	

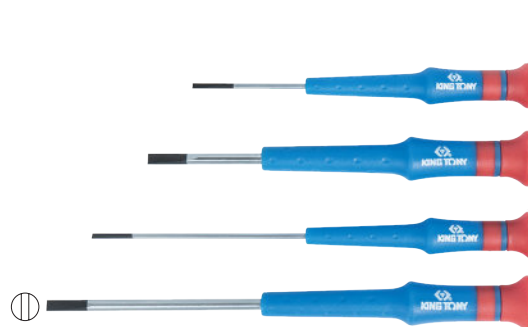


1432



- Slotted head, round shank
- Metric size
- DIN 5263

KT NO.	mm	mm	mm	∅ mm	g	mm
14320615	0.6	0.15	40	3.0	9	10 / 320
14320815	0.8	0.19	40	3.0	9	10 / 320
14321015	1.0	0.20	40	3.0	9	10 / 320
14321515	1.5	0.23	40	3.0	10	10 / 320
14321815	1.8	0.30	40	3.0	10	10 / 320
14322015	2.0	0.40	40	2.0	11	10 / 100
14322515	2.5	0.40	40	2.5	12	10 / 100
14323015	3.0	0.50	40	3.0	13	10 / 100
14323515	3.5	0.60	40	3.5	14	10 / 100
14324015	4.0	0.80	40	4.0	16	10 / 100
14321003	1.0	0.20	75	3.0	11	10 / 320
14321503	1.5	0.23	75	3.0	11	10 / 320
14321803	1.8	0.30	75	3.0	11	10 / 320
14322003	2.0	0.40	75	2.0	11	10 / 100
14322503	2.5	0.40	75	2.5	13	10 / 100
14323003	3.0	0.50	75	3.0	15	10 / 100
14323503	3.5	0.60	75	3.5	16	10 / 100
14324003	4.0	0.80	75	4.0	18	10 / 100



1433



- For torx head, round shank

KT NO.	Size	∅ mm	mm	mm	g	mm
14330415	T4	3	40	10	10 / 320	
14330515	T5	3	40	10	10 / 320	
14330615	T6	3	40	10	10 / 100	
14330715	T7	3	40	10	10 / 100	
14330815	T8	3	40	10	10 / 320	
14330902	T9	4	50	16	10 / 100	
14331002	T10	4	50	16	10 / 100	
14331502	T15	4	50	16	10 / 100	
14332002	T20	4	50	16	10 / 100	
14330403	T4	3	75	11	10 / 320	
14330503	T5	3	75	11	10 / 320	
14330603	T6	3	75	11	10 / 320	
14330703	T7	3	75	11	10 / 320	
14330803	T8	3	75	11	10 / 320	
14330903	T9	4	75	18	10 / 100	
14331003	T10	4	75	18	10 / 100	
14331503	T15	4	75	18	10 / 100	
14332003	T20	4	75	18	10 / 100	



Precision Screwdriver & Set

91230



- Screwdriver handle for interchangeable blades 2431, 2433
- Handle material - polypropylene (PP)



KT NO.	mm		
91230	100	12	10 / 100

2431



- Combination type
- Phillips / Slotted head, hexagonal shank
- Blade material - SNCM - V alloy steel
- Finishing - chrome plated with black tip



KT NO.	No.	mm	mm	mm	mm		
24312020	PH00	2.0	0.30	4	120	11	20 / 200
24311030	PH0	3.0	0.50	4	120	11	20 / 200
24311140	PH1	4.0	0.60	4	120	11	20 / 200

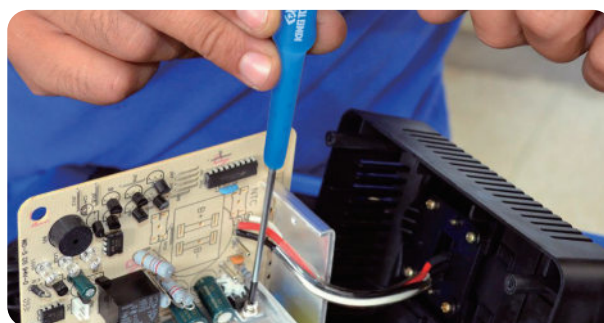
2433



- Combination type
- Torx head, hexagonal shank
- Blade material - SNCM - V alloy steel
- Finishing - chrome plated with black tip



KT NO.	Size	mm	mm		
24330610	T6 x T10	4	120	11	20 / 200
24330715	T7 x T15	4	120	11	20 / 200
24330820	T8 x T20	4	120	11	20 / 200
24330915	T9 x T15	4	120	11	20 / 200



KT NO.	PC.	Contents		
32218MR	8	1.0 x 75, 1.5 x 75, 1.8 x 75, 2.0 x 75, 2.5 x 75, 3.0 x 75, 3.5 x 75, 4.0 x 75 1432	0.32	1 / 30
32209MR	9	0.8 x 40, 1.0 x 40, 1.5 x 40, 1.8 x 40, 2.0 x 40, 2.5 x 40, 3.0 x 40, 3.5 x 40, 4.0 x 40 1432	0.26	1 / 30
32108MR	8	PH000 x 40, PH00 x 40, PH0 x 40, PH1 x 40 1431	0.29	1 / 30
		1.5 x 40, 2.0 x 40, 2.5 x 40, 3.0 x 40 1432		
32118MR	8	PH000 x 75, PH.00 x 75, PH0 x 75, PH1 x 75 1431	0.36	1 / 30
		1.5 x 75, 2.0 x 75, 2.5 x 75, 3.0 x 75 1432		
32309PR	9	T4 x 40, T5 x 40, T6 x 40, T7 x 40, T8 x 40, T9 x 50, T10 x 50, T15 x 50, T20 x 50 1433	0.26	1 / 30
32607MR	8	91230	0.22	1 / 30
		PH00 x 2.0, PH0 x 3.0, PH1 x 4.0 2431		
		T6 x T10, T7 x T15, T8 x T20, T9 x T15 2433		



Precision Screwdriver Set

31419MR

- Precision screwdriver set

KT NO.	Contents	Each Q'ty
31419MR	 1431 PH000 x 40, PH00 x 40, PH0 x 40, PH1 x 40	6
	 1432 0.6 x 40, 0.8 x 40, 1.0 x 40, 1.5 x 40, 1.8 x 40, 2.0 x 40, 2.5 x 40, 3.0 x 40, 3.5 x 40, 4.0 x 40	
	 1433 T4 x 40, T5 x 40, T6 x 40, T7 x 40, T8 x 40	



114 PC.

Screwdriver shelf size (mm) : 383 x 136 x 130

Packing NO.	Spec.	Kg	CUFT
31419MR-A	87107	0.86	0.47
31419MR-D	114 PC. content	1.17	0.14

Soldering Iron

6BC141A

- 220V~240V, 20W / 40W
- For electrical and stained glass work
- Lightweight handle
- Replaceable tip

KT NO.	Voltage V	Rating W			
6BC141A	220-240	20 / 40	204	25 / 50	
6BC141-I	Soldering iron tip				
KT NO.	Rating W	Ø mm	Overall length		
6BC141-I	20/40	6	81	17	10 / 100



6BC141-1

6BC23

30W

6BC26

60W

- 110V~240V, 30W, 40W, 60W, 100W
- For electrical and stained glass work

KT NO.	Voltage V	Rating W		
6BC23A	220-240	30	160	54
6BC23B	220-240	30	125	54
6BC23F	110-120	30	125	54
6BC24A	220-240	40	125	54
6BC24B	220-240	40	125	54
6BC24C	220-240	40	196	32
6BC24F	110-120	40	125	54
6BC26A	220-240	60	166	54
6BC26B	220-240	60	166	54
6BC26C	220-240	60	216	32
6BC26F	110-120	60	166	54
6BC210A	220-240	100	210	20
6BC210B	220-240	100	210	20
6BC210C	220-240	100	330	20
6BC210D	220-240	100	288	20
6BC210F	110-120	100	210	20

6BC24

40W

6BC210

100W

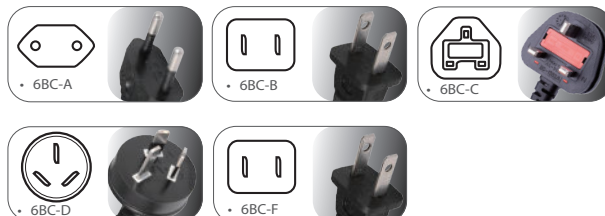
- Lightweight handle
- Replaceable tip
- No CE certification



6BC210



6BC23 / 6BC24 / 6BC26



Soldering Iron Tip (Conical Type)

6BC23-1

- Copper-based iron tips are manufactured using patented process which produces a uniform iron and chrome plating thickness

KT NO.	Rating W	Ø mm		
6BC23-1	30 / 40	4	13	100 / 4200
6BC26-1	60	6	16	100 / 1600
6BC26-3	60	6	16	100 / 1600

6BC26-1

6BC26-3

- All tips are pre-tinned



Gas Soldering Iron Set

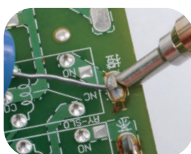
6BC3007

- Gas soldering iron set with four tips, reflector and desolder wire
- Power range: 30W-150W
- Soldering temperature: 400°C~450°C (750°F~840°F)
- Torch temperature: 1300°C (2400°F)
- Fuel capacity: 20ml
- Tank fuel for 90 minutes operation
- Ready to use 45 seconds after ignition



8
PC.

KT NO.	Contents	 0.45	
6BC372		Gas soldering iron 257mm	20
6BC372-1	 + 	Conical	
6BC372-2		2.5mm round	
6BC372-3		3.5mm chisel	
6BC372-4		4.5mm angle	
6BC372-5		Reflector	
6BF21-17		Desolder wire / Sn 99.3%, Cu 0.7%	
		Foam	



Desolder Wire

6BF11-17

- 40% lead and 60% tin

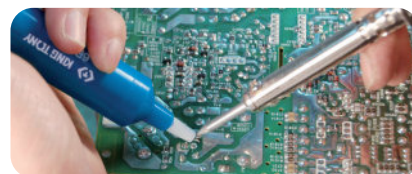


KT NO.	Size mm		
6BF11-17	1.0	17	20 / 480

Desoldering Pump

6BD11

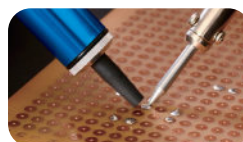
- One-hand operation
- ABS Body, teflon nozzle



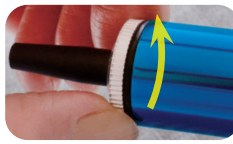
KT NO.	Overall length mm		
6BD11	195	42	8 / 32

6BD22

- Anti-static solder desoldering pump
- Teflon suction head
- Aluminum body



- Turn down the body



- Clean

- Turn up the body

KT NO.	Overall length mm		
6BD22	197	85	50 / 100

Soldering Aid

6BE11-07

- Brush / Scraper :
- For removing flux residue and surplus solder

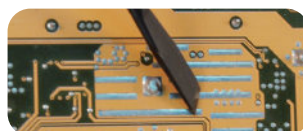
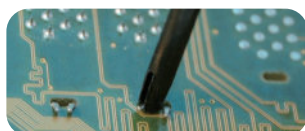
KT NO.	Overall length mm		
6BE11-07	175	15	1 / 200
6BE12-07	175	15	1 / 200
6BE16-07	180	15	1 / 200

6BE12-07

- Scraper / Curved Probe :
- For component and lead extraction

6BE16-07

- Pointed / Slotted Probe :
- Fits wire up to 22AWG
- For wrapping and unwrapping etc



Straight Fine Point Tweezers

6AF11-125

- Stainless steel with straight fine point
- Used for soldering integrated circuit chip, installing or replacing components
- It's suitable for doing precise repairing work



KT NO.	Overall length mm		
6AF11-125	124	16	50 / 800

Reverse Action Tweezers

6AF21-165

- Stainless steel with tapered tips and flat points
- For holding small parts when soldering or spraying



KT NO.	Overall length mm		
6AF21-165	172	29	30 / 480

Mini Soldering Iron Stand

6BC100

- Lightweight and high temperature bakelite resistance
- Mini size, easy to take
- Used for holding solder iron

 12  12 / 240

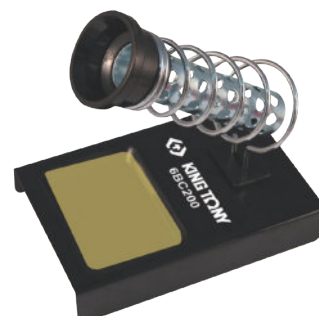


Soldering Iron Stand with Sponge

6BC200

- Suitable for most pencil type soldering irons
- Convenient for easy storage
- Sponge for tip cleaning
- Double spiral spring construction prevents the hot soldering iron from accidentally burning the surface of other objects when it is inserted into the stand

 187  4 / 24



Punch Down Tool

6AH

- For setting wire into terminal blocks or cut off wire end after terminated
- Blade : 66 & 110/88 & Krone type

KT NO.	Type	Overall length				
		inch	mm			
6AH11	110/88	6-3/4	170	140	20	80
6AH12	KRONE	6-3/4	170	140	20	80
6AH13	66	6-3/4	170	140	20	80
6AH14	66 & 110/88	6-3/4	170	140	20	80

6AH01-1

FOR USE ON 110/88 TYPE

6AH01-2

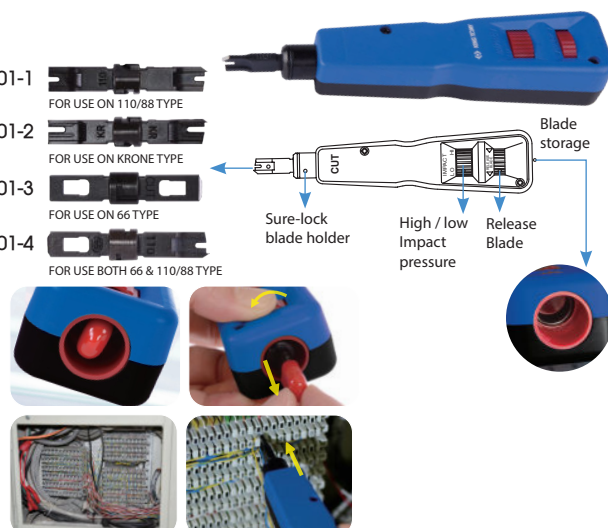
FOR USE ON KRONE TYPE

6AH01-3

FOR USE ON 66 TYPE

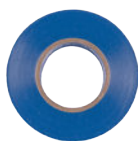
6AH01-4

FOR USE BOTH 66 & 110/88 TYPE



PVC Electrical Insulation Tape

6AG11-20



KT NO.	Width mm		
6AG11-20	18	52	1 / 250

Electronic Tool Set

- To repair electronic equipment...etc.

90217PQ

6BC23B

Soldering iron 220V/30W



90217PQ01

6BC23A

Soldering iron 220V/30W



90217PQ03

6BC23F

Soldering iron 110V/30W

17
PC.

Contents



1.26



1 / 8

	1412	3 x 75, 5.5 x 100, 6.5 x 100
	1411	PH0 x 75, PH1 x 100, PH2 x 100
	6207-05	
	6377-55	
	6741-06	
	3611-06R	
	6BC23	
	6BC100	
	6BF11-17	
	6BD11	
	6AF11-125	
	6CB02	
	7976-65	

Electrician Tool Box Set

97121PQ

- For electrician equipment

21
PC.

87407

Overall size :

445 x 240 x 206 mm

Contents



4.9



1

CUFT0.79

	1471	VDE PH0 x 75, PH1 x 100, PH2 x 100, PH3 x 150
	1472	VDE 3 x 75, 4 x 100, 5.5 x 125, 6.5 x 150, 8 x 175
	6116-07A	VDE 7-1/2"
	6146-08A	VDE 8-1/4"
	6216-06A	VDE 6-1/2"
	6318-08A	VDE 8-1/4"
	6516-10A	VDE 10"
	6716-06A	VDE 6-1/4"
	6214-45	4-1/2"
	6334-05	5"
	6721-10	
	6751-44	
	6AB12-55	
	7932-04	

Electrician Tool Bag Set

91333MQ

- For electrician equipment

Contents		6.02	1
⊕	1421	PH1 x 80, PH2 x 100	
⊖	1422	5 x 75, 5 x 100, 6.5 x 100, 6.5 x 150	
⊕	1471	VDE PH2 x 100	
⊖	1472	VDE 6.5 x 150	
	6116-07A	VDE 7-1/2"	
	6216-06A	VDE 6-1/2"	
	6318-08A	VDE 8-1/4"	
	6716-06A	VDE 6-1/4"	
	20109MR	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	
	20129SR	1/16, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 5/64	
	3611-08R	200mm	
	79093-05C	5M/16FT 19mm	
	7971-07	165mm	



33
PC.

87711C
Overall size :
510 x 255 x 345 mm / 39 inner pockets

91038MY01

- For electronic & electrician equipment...etc

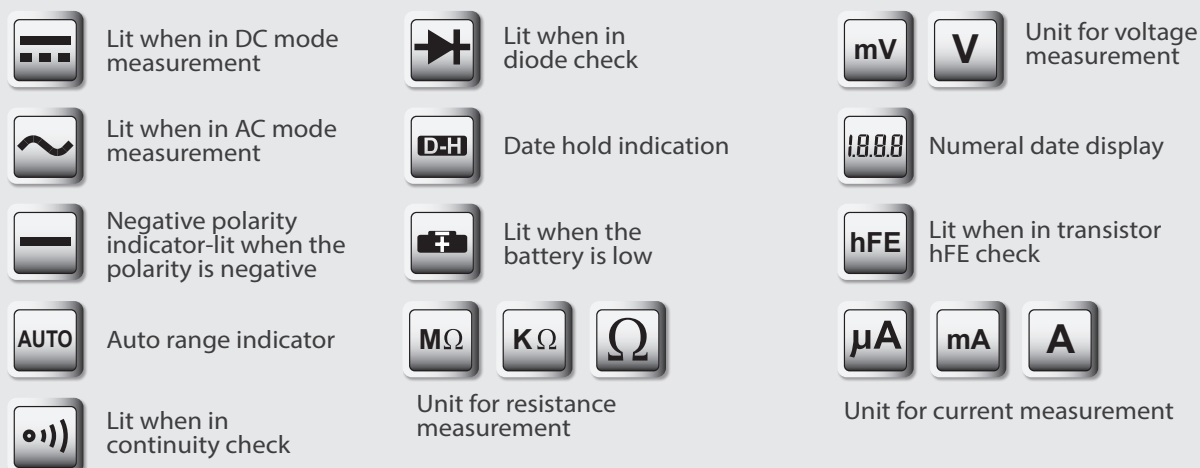
Contents		3.13	1
⊕	1421	PH0 x 60, PH1 x 80, PH2 x 100	
⊖	1422	3 x 75, 5 x 75, 6.5 x 100	
	6207-05	6377-55	6AB12-55
	6BF11-17	6BD11	6313-06
	7976-65	6AF11-125	6732-09
	6BC24A	87137	6BC200
	220V / 40W		6AG11-20
	6BE11-07	6BE12-07	6BE16-07
	9DM1361	1036ZQ	ST20219MY1
	87721B		



38
PC.

87721B
Overall size : 360 x 200 x 260 mm





LCD DISPLAY

SELECT KEY

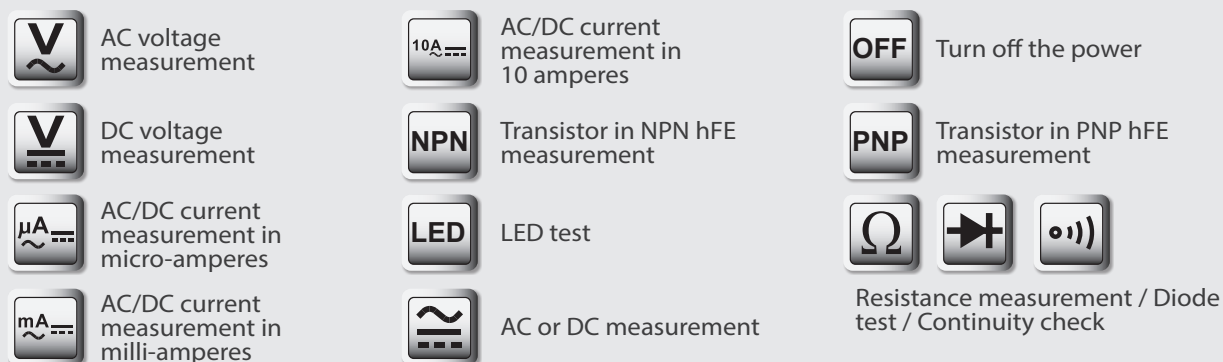
DATA HOLD KEY

INPUT TERMINAL 10A USAGE ONLY

- The Max. protective fuse for μA , μA , mA , mA is 0.5A/250V
- The Max. protective fuse for $10A$, $10A$ is 15A/250V



POWER & FUNCTION SWITCH



Digital Multimeter

9DM1361

- Date hold, auto range, auto power off selection, auto power off cancellation
- Unit & function indication, Maximum reading value 1999 digits. Negative polarity indicator (no indication is given for positive polarity)
- Low power consumption
- Fuse with : 500mA / 600V & 10A / 600V
- AAA battery x 2 PC. included
- CE approval IEC61010-1 (2010), CAT.II 600V, CAT.III 300V

Specification	
DC Voltages (0.1mV ~ 1V)	200mV / 2V / 20V / 200V / 600V
AC Voltages (0.001V ~ 1V)	2V / 20V / 200V / 600V
DC Ampere (0.1uA ~ 0.01A)	200uA / 2000uA / 20mA / 2A / 10A
AC Ampere (0.1uA ~ 0.01A)	200uA / 2000uA / 20mA / 2A / 10A
Resistance (0.1Ω ~ 0.01MΩ)	200Ω / 2kΩ / 20kΩ / 200kΩ / 2MΩ / 20MΩ
Continuity check	Yes
Diode test	Yes
hFE(NPN, PNP)	Yes
LED check	Yes
Low battery indicator	Yes
LCD Display	3 1/2 digits 2000 counts
Sampling rate	3 times / sec

KT NO.	Size (mm) L x W x H		
9DM1361	138 x 70 x 32	85	10 / 60



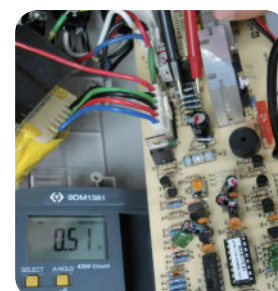
Digital Multimeter

9DM1381

- Pocket size with flip cover design
- Approx. 4300 counts LCD display
- Auto range, auto power off selection
- Low power consumption
- LR44 battery x 2 PC. included
- CE approval EN61010-1, CAT.II 600V, CAT.III 300V
- Attachable test leads, easy operation

Specification	
DC Voltages (0.1mV ~ 1V)	400mV / 4V / 40V / 400V / 600V
AC Voltages (0.001V ~ 1V)	4V / 40V / 400V / 600V
Resistance (0.1Ω ~ 0.01MΩ)	400Ω / 4kΩ / 40kΩ / 400kΩ / 4MΩ / 40MΩ
Continuity check	Yes
Diode test	Yes
Overload indicator	OL
Low battery indicator	Yes
Sampling rate	Approx. 2 times / sec

KT NO.	Size (mm) L x W x H		
9DM1381	117 x 76 x 18	121	20 / 80



Digital Clamp Meter

9DM2351

- Max clamp size : $\varnothing$ 30mm
- Unit & function indication, maximum reading value 1999 digits
- Negative polarity indicator (no indication is given for positive polarity)
- Auto power off selection approx. 15 minutes
- Low power consumption
- AAA battery x 2 PC. included
- CE approval IEC 61010-1, IEC 61010-2-032
CAT.III 600V Pollution Degree 2
- Attachable test leads, easy operation

Specification

AC Ampere (0.1A - 1A)	200A / 600A
AC Voltages (0.001V - 1V)	2V / 20V / 200V / 600V
DC Voltages (0.1mV - 1V)	200mV / 2V / 20V / 200V / 600V
Resistance (0.1 Ω - 0.01M Ω)	200 Ω / 2k Ω / 20k Ω / 200k Ω / 2M Ω / 20M Ω
Continuity check	Yes
Diode test	Yes
Low battery indicator	Yes
LCD Display	3 1/2 digits 1999 counts
Sampling rate	3 times / Sec.
Overload indicator	OL

KT NO.

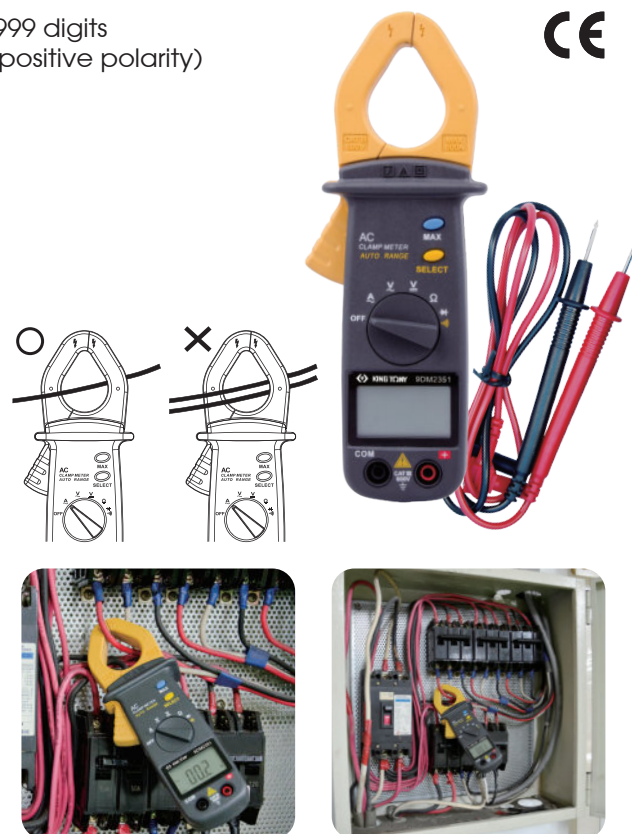
Size (mm)
L x W x H

9DM2351

189 x 71 x 37

354

5 / 40



CE

AC Non-contact Voltage Tester

6CB31

- Voltage ranges : 80 to 1000V AC.(50~60Hz)
- Application :
AC voltage in outlets, lighting, circuit breakers, wires and cables etc..
- Adjustable sensitivity voltage detection
- Visible LED light voltage indicator in tip
(Green light is high gear, red light is low gear)
- AAA battery x 2 PC. included
- Standard category :
EN 61000-6-3 / EN 61000-6-1 CAT III



CE

KT NO.

Overall size (mm)
L x W x H

6CB31

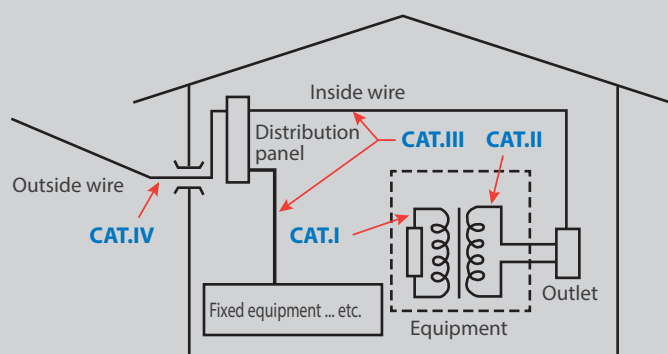
160 x 20 x 24

72

10 / 100

Measurement level

The input voltage should not exceed the maximum value.



Measurement level	Description	Example
CAT.I	Measurement directly connected to the power supply circuit board	The secondary of the transformer measured
CAT.II	Measurement board directly connected to the low voltage devices	Equipment, portable devices
CAT.III	Equipment within the building	Distribution panels, circuit breakers
CAT.IV	Sources of all low voltage installations	Overhead lines, cable facilities

9 in 1 Multifunctional Wire Stripper

6CB41



- Non-contact voltage detection 80 - 1000V, 3 minutes auto power off
- Application: AC voltage in outlets, lighting, circuit breakers, wires and cables etc
- Illumination: COB LED
- Magnetic pads which can be useful for holding small components like nuts and bolts
- Screwdriver No. PH2 x1
- Battery: 3V (AAA 1.5V x2) Included
- Standard category: CAT IV 1000,
EN 61010-1 : 2010/A1 : 2019, EN 62471 : 2008,
EN 61326-1 : 2013, EN 61326-2-2 : 2013



• Magnetic



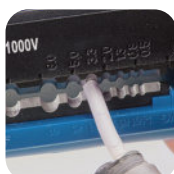
• Lock



• Cut



• Stripper(romex cable type NM-B)



• Stripper



• Stripper



• Volt tester



• Measurement



• Screwdriver
(Use 65mm-70mm)



Light switch

Test switch

KT NO.	Wire stripper	Stripping romex cable	Stripping round cable Ø mm	Wire cutter Ø mm		
6CB41	mm ² -0.5, 0.8, 1.3, 2.0, 3.3, 5.0, 8.0 AWG-20, 18, 16, 14, 12, 10, 8	12~2	8~10	7	220	1 / 50



Infrared Thermometer

9DN12

- Not necessary to contact with the object
- IR point can be displayed clearly
- °C and °F interchangeable functions
- Selection of different materials
- Dark screen backlight test board functions
- 15 seconds automatically turn off the screen
- 9V battery x 1 PC. (included)

Technical data

Temperature range	-30~550°C (-22~1022°F)
Operating temperature	0~50°C
Resolution	0.1°C / 0.1°F
Accuracy	±2.5% OR 3°C
Emissivity	Selectable (0.85 / 0.90 / 0.95)
Distance to spot ratio	12 : 1
Auto power off	15 seconds
Laser pointer	Class 2 Laser < 1 mW

KT NO.	Overall Size (mm) L x W x H		
9DN12	193 x 47 x 126	313	5 / 20



Testing Screwdriver

6CB02

- Testing range : 100~250V
- CE approval
- Don't use the testing screwdriver as screwdriver
- Neon indicator



KT NO.	 mm	 mm	 mm	 mm	Testing range		
6CB02	3	0.6	65.5	140	100~250V	15	12 / 288

Digital Voltage Tester

6CB21

- Self-Diagnostic test
- Built-in LED flashlight
- LCD Display
- Protection IP64
- AAA 1.5V x 2 PC.
- Standard category :
EN 61243-3 / IEC 61243-3
EN 61010-1 / IEC 61010-1
CAT.III 690V / CAT.IV 600V

KT NO.	Overall Size (mm) L x W x H		
6CB21	255 x 66 x 30	250	5 / 20

Specification

DC Voltage Test	12, 24, 50, 120, 230, 400, 690V
Polarity indication	Yes
AC Voltage Test	12, 24, 50, 120, 230, 400, 690V
Phase rotation test	Yes
High voltage indication	≥ 50V
Frequency range	0-70Hz
Continuity test	0~550KΩ
Operation condition	-10~55°C





WIRE & CABLE TOOLS

ELECTRONIC & ELECTRICAL



Electrician Scissors

6AB13-06

- High cutting performance by low cutting force



• 38mm² wire



Ergonomic design, handles made of high compressive strength and non-slip nylon fiber + TPV
Special handle design, also suitable for the left-hander

Blades made of AUS-8, serrated on the edge can prevent objects from slip away, soft cable, up to dia 38mm², insulation materials, electrical tape cable tie

KT NO.	Overall length		Cutting length	Cutting capacity		
	inch	mm	mm	AWG	mm ²	
6AB13-06	6	150	26	2	38	114 12 / 72

6AB21-65

- Curved mouth cable cutter
- Safety blade locking system



KT NO.	Overall length		Cutting length	Cutting capacity		
	inch	mm	mm	mm ²		
6AB21-65	6-1/2	158	22	10	156	12 / 72

Multi-purpose Scissors

6AB12-55

- Stainless steel with serrated edges
- Grip material - PP + TPR



KT NO.	Overall length mm	 (mm)	Cutting capacities (mm ²)								
			Electric cable	Cardboard	Rubber	Leather	Rolled steel	Copper (soft)	Aluminum		
6AB12-55	145	55	10	10	10	10	0.5	0.5	0.5	94	12 / 72

6AB31-75

- Even mouth cable cutter
- Safety blade locking system



KT NO.	Overall length		Cutting capacity mm	AWG	mm ²	Cutting capacity (mm ²)				
	inch	mm				Leather	Copper(soft)	Aluminum		
6AB31-75	7-1/2	185	52	16-12	1.5-4.0	2.0	0.5	0.5	160	12 / 72

- Cut cable, cardboard, rubber, leather, rolled steel, copper (soft), aluminum, carpet, branch and so on.



5 in 1 Multi-functional Electrician Scissors

6AB14-06

- Professional scissors with special steel frame for high resistance and durability
- High hardness blades and anti-slip serrated edge for making precise cuts
- Light and strong handles are made from impact-resistant plastic material
- Ergonomically-designed handles are suitable for a comfortable grip
- PP+TPR handle material
- The blade is made of 4034 stainless steel

1/0
AWG

50
mm²



• Crimping terminal of cable



• Scraping



• Welding cable 100mm²



• Wire stripper 1.5-4mm²

KT NO.	Overall length		Cutting length mm	Cutting capacity AWG	Cutting capacity mm ²	Wire stripper AWG	Wire stripper mm ²	Pin terminal insulated/ Non-insulated terminal crimping				
	inch	mm						AWG	mm ²			
6AB14-06	6-3/8	161	24	1/0	50	14, 12	1.5, 2.5	14	2.5	193	12 / 48	

6AB14-65

- Professional scissors with special steel frame for high resistance and durability
- High hardness blades and anti-slip serrated edge for making precise cuts
- Light and strong handles are made from impact-resistant plastic material
- Ergonomically-designed handles are suitable for a comfortable grip
- PP+TPR handle material
- The blade is made of 4034 stainless steel

3/0
AWG

80
mm²



• Wire stripper 1.5-4mm²



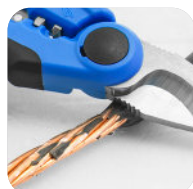
• Crimping terminal of cable



• Crimping terminal of cable



• Welding cable 80mm²



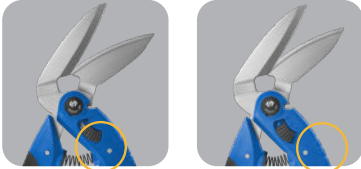
• Scraping

KT NO.	Overall length		Cutting length mm	Cutting capacity AWG	Cutting capacity mm ²	Wire stripper AWG	Wire stripper mm ²	Pin terminal insulated/ Non-insulated terminal crimping				
	inch	mm						AWG	mm ²			
6AB14-65	6-3/4	170	21	3/0	80	16, 14, 12	1.5, 2.5, 4	14	2.5	228	12 / 48	

Multi-purpose Scissors

6AB33-95

- Ergonomically-designed handles are comfortable and durable during usage
- For cutting soft materials such as tin sheets, plastics, CD, cards and papers...etc
- The stainless steel blade and the curve-blade design makes it steady and saves strength while cutting
- The big angle design between blades and the handles of the scissors makes it so your hand never touches any object while operating
- Designed to conveniently adjust blades
- The blade is made of 420J2 stainless steel material
- PP+TPR handle material



• Large angle of blades • Small angle of blades



• Big angle design between blades and the handles of the scissors



• Iron wire cutter

KT NO.	Overall length		Cutting length	Wire cutting Aluminum / Copper mm	Cutting capacities (mm*)					
	inch	mm	mm		Cardboard / Carpet / Copper / Aluminium (soft)					
6AB33-95	9-3/4	246	73	2.5	10	5	0.5	0.6	312	6 / 48

Retractable Safety Cutter

7946-07

- Multifunctional safety cutters with trapezium blades 60x18 mm premium quality robust and resistant
- Upper slider for blade extraction with automatic retraction
- Container with 2 replacement blades integrated in the handle
- Integrated device for cutting nylon threads and films
- Structure in zinc alloy, anti-slip ergonomic grip handle in TPR Soft-Grip
- High quality blades in carbon steel SK5 extremely sharp and long duration



• Auto return butto • Auto lock button • 2 blades in storage • Blade replace button

7945-07P01
(62mm, 10 PC.)

KT NO.	L mm		
7946-07	180	200	12 / 72

7946-07-S

Paper display stand size(mm) :
243 x 199 x 217 (0.37 CUFT)

KT NO.	Contents		
7946-07-S	7946-07 x 12 PC.	2.75	1 / 4



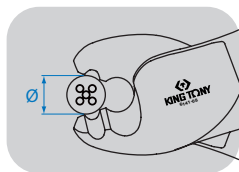
12
PC.



Cable Cutting Pliers

6141C

- Polished head
- For cutting copper and aluminum cables, single and multiple wire



KT NO.	Overall length		Cutting capacity		Ø mm		
	Inch	mm	DIN(mm²)	AWG			
6141-06C	6	160	22	4	9.2	169	6 / 120
6141-08C	8-3/8	212	38	2	11.5	282	6 / 60

Cable Cutter

6AD

- Cable cutter for cutting copper and aluminum cable



• Can be use with : 67B3-55 439 / 6AC51 444

KT NO.	Overall length mm	Cutting capacity			
		DIN(mm²)	AWG(MCM)		
6AD17-150	435	150	300	1.34	1 / 20
6AD23-400	595	400	800	1.84	1 / 10

Ratcheting Cable Cutter

6AD10-325

- Cut soft copper, aluminum and multiple conductor cable to 325mm² (600MCM)
- Cuts hard drawn copper to 200mm² (400MCM)



KT NO.	Overall length mm	Cutting capacity			
		mm²	AWG(MCM)		
6AD10-325	255	325	600	613.2	10 / 30
6AD10-3P01	Spare cutting blade			58	1 / 100

6AD16-500

- Cut soft copper, aluminum and multiple conductor cable to 500mm² (1000MCM)



KT NO.	Overall length mm	Cutting capacity			
		mm²	AWG(MCM)		
6AD16-500	400	500	1000	1.60	1 / 10

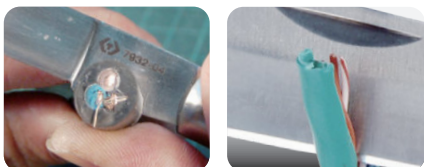
Electrician Knife

7932-04

- Electrician knife with wire stripper
- 1 blade with half-moon notch for stripping and vee for cutting



KT NO.	Blade length mm	Closed length mm	Overall length mm		
7932-04	85	110	196	75	10 / 180



7933-45

- Straight blade electrician knife



KT NO.	Blade length mm	Closed length mm	Overall length mm		
7933-45	85	120	205	111	10 / 180

Cable Stripping Knife

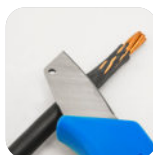
7935-08

- Blades are made from high tensile steel, allowing for excellent strength and performance
- Light and strong handles are made from impact-resistant plastic material
- Ergonomically-designed handles are suitable for comfortable and durable usage
- The Cable Stripping Knife has a protection sheath
- The protection sheath can also be used for assisting stripping wires
- The V-shaped groove can be used to position wires, and can prevent sliding while you peel wires
- Nylon handle
- The blade is made of 4034 stainless steel

KT NO.	L mm		
7935-08	204	109	12 / 72



• Cable stripping



• Scraping



• Protection set locked



• Protection set unlocked



Folding Clasp Knife

7941-08

- Suitable for mechanics, outdoor and camping etc
- Blade fixator folded out
- Light and handy to use
- Stainless Blade with blacking coating
- With belt clip

KT NO.	L mm		
7941-08	210	166	8 / 48



Utility Cutter

7971-07

- Automatically reloading snap-off blades
- Ergonomic soft ABS TPR handle
- Stainless steel blade guide
- Blade lock knob
- 4-blade cartridge(18mm)

KT NO.	L mm		
7971-07	165	180	6 / 72



• 3 blades in storage



7978-07

- 3-blade cartridge with automatically reloading function
- Material : SK4 (HRC $\geq$ 62)
- 0.5mm thickness and 18mm width

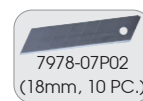
KT NO.	L mm		
7978-07	175	131	12 / 144



• Quickly remove blade & automatically reload function



• 3 blades in storage



7978-07-S

Paper display stand size(mm) :
172 x 1360 x 222mm (2.75CUFT)

KT NO.	Contents		
7978-07-S	 x 12 PC.	1.58	1 / 12



12
PC.

7977-07

- Heavy duty 18mm wide cutting knife with snap off blades
- Exceptional cutting performance with SK4 blade (HRC $\geq$ 65)
- Provides sharper and more stable cutting with a high hardness cutting edge

KT NO.	L mm	N.W	G.W	CUFT		
7977-07	180	20	22	2.13	117	12 / 144
7977-07P02	-	10	12	1.06	9	200 / 2400



7977-07-S

Paper display stand size(mm) :
265 x 162 x 245 (0.37CUFT)

KT NO.	Contents		
7977-07-S	 x 12 PC.	2.23	4



12
PC.

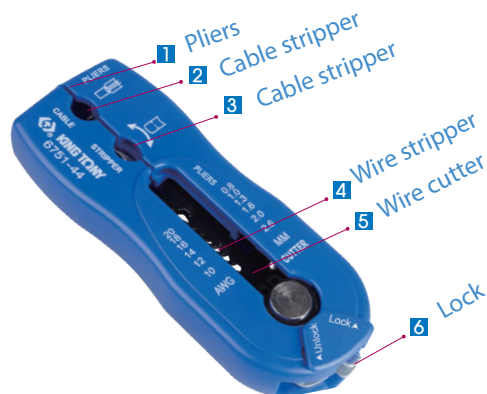
Multi-purpose Wire Stripper

6751-44

- Wire stripper
- Wire cutter
- Cable stripper



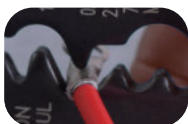
Preparation blade



KT NO.	Wire stripper Ø mm	Wire stripper AWG	Cable stripper Ø mm	Wire cutter Ø mm			
6751-44	0.8-2.6	20-10	6-10	6	116	10 / 120	

Wire Stripper

6762-08



- Insulated terminal crimping



- Wire stripper



- Wire cutter



KT NO.	Wire stripper mm ²	Wire stripper AWG	Wire cutter Ø mm	Insulated terminal crimping mm ²	Insulated terminal crimping AWG			
6762-08	0.2-6	24-10	6	0.5-6	22-10	271	15 / 60	

67A1-07



KT NO.	Wire stripper mm ²	Wire stripper AWG	Wire cutter Ø mm				
67A1-07	0.05-3.5	30-12	5	209	12 / 60		

Wire Stripper Pliers

6761-07

- Aluminum body design for light weight
- Special design of strip length setting function for quickly operate
- SK5 knife



KT NO.	Wire stripper mm ²	Overall length mm			
6761-07	0.9, 1.25, 2, 3.5, 5.5	178	271	10 / 60	



Cable Stripper

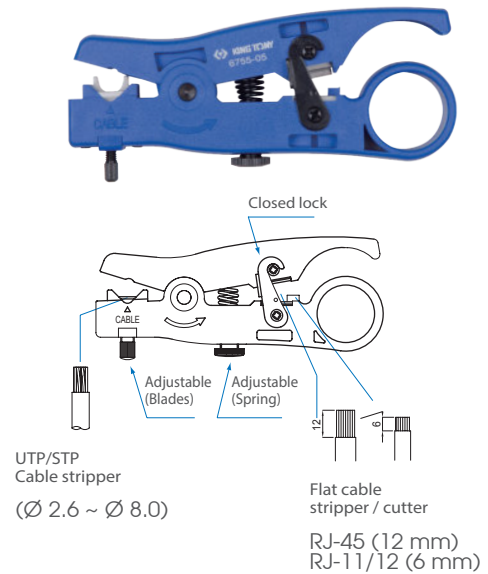
6755-05

- UTP/STP, flat cable stripper & cutter
- Material : ABS



UTP/STP cable stripper	(Ø 2.6 ~ Ø 8.0)
Flat cable stripper / cutter	RJ-45 (12 mm), RJ-11/12 (6 mm)

KT NO.	Overall length inch	mm		
6755-05	5	127	72	20 / 120



Coax. Cable Stripper

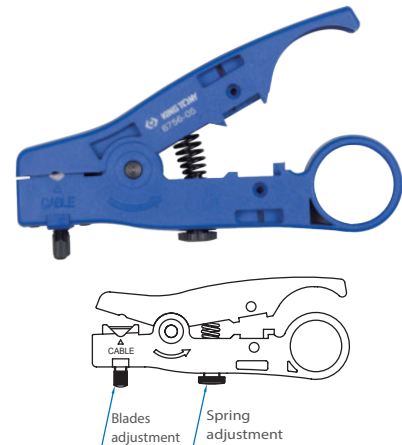
6756-05

- 2-Blades model
- Material : ABS



Stripper dimension "d"	6.4 mm	
Stripper distance 2-Blades model	RG-174/58/59/62/6 3C/4C/5C (Ø 2.6 ~ Ø 8.0)	

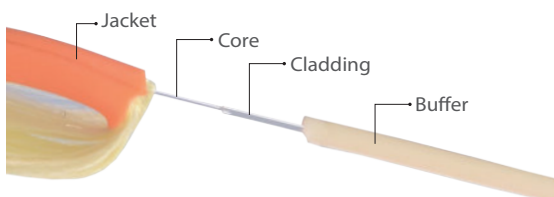
KT NO.	Overall length inch	mm		
6756-05	5	127	68	20 / 120



Fiber Optic Stripper

67B1-06

- Three in one model performs all common fiber stripping functions
- Safety locking system for easy and steady stripping
- Ergonomic handle for comfort grip



Safety locking system



• To strip the 2.0-3.0 mm fiber jacketing

• 600-900 micron buffer layer stripping

• Strips the 250 micron cable down to the glass fiber without scratching or nicking glass fiber

KT NO.	Overall length inch	mm	Stripping range		
67B1-06	6	150	2.0-3.0 mm 600-900 µm 250 µm	130	10 / 100

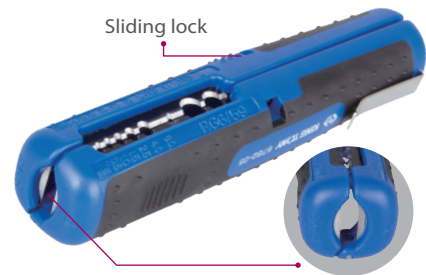
Multi-stripper

67B2-05

KT NO.	Overall length inch	mm		
67B2-05	4-3/4	120	69	15 / 90

Stripping capacity

- Round cables between : 8-13mm
- Wire cable : 0.5 1.0 1.5 2.5 4.0 6.0mm²
- AWG : 20 18 16 14 12 10
- Coax.cable : RG-6 / RG-59



Cable Stripper

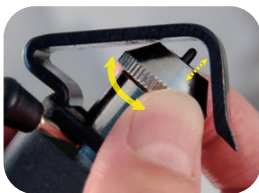
67B3-55

- Fast and safe stripping of round cable sheaths made of PVC or rubber from 6-45mm dia
- Adjustable knurled nut for max 6mm sheath

KT NO.	Cable stripper mm ²	Overall length inch	mm		
67B3-55	6-45	5-1/2	140	170	10 / 100



- Can be use with : 6AC51  444 / 6AD  434



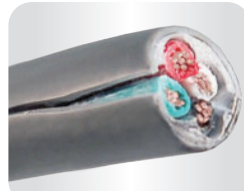
- Adjustable cutting depth



- Push cover



- Simple rotating the tool body



- Remove the cable sheaths without damage of the inner conductors



■ Crimp die profiles

Symbol		
		Phone plugs 6 pin
		Modular plugs 8 pin
		Insulated terminal connectors
		Non-Insulated terminal connectors
		Pin terminal, Insulated & Non-Insulated ferrules
		Non-Insulated terminal, Lug connectors

Symbol		
		CATV "F", BNC, COAX
		, and fiber optics connectors
		
		



Modular Crimping Tool

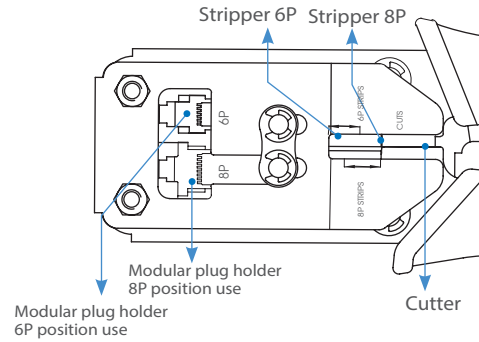
67F1-08

- For cutting / stripping / crimping
- 2 types of plugs in 1 tool
- Grip material - PP+TPR



• 6P • 8P

KT NO.	Overall length inch	mm	Kg	Box / Carton
67F1-08	8	203	370	10 / 40



Interchangeable Ratchet Crimping Tool Set

42107GX

- Quick interchangeable ratchet function & easy to use
- Crimping jaws with heat treatment
- Blow case size (mm) : 282 x 176 x 52 (0.09 cuft)

Kg 1.16 Box / Carton 1 / 10



7 PC.

Ratchet Crimping Tool Set

67G0005

- Blow case size (mm) : 240 x 70 x 50 (0.07 cuft)

Kg 1 Box / Carton 1 / 16



5 PC.



Item No.	Replacement die set	Terminal size	Description	
6781P0A		AWG 12-10 / 16-14 / 22-18 / 0.5-1.0 / 1.5-2.5 / 4-6 mm ²	Insulated Terminal	
6781P0B		AWG 1.5 / 2.5 / 8 / 10 mm ²	Non-Insulated Terminal	
6781P0C		AWG 0.5-1 / 1.5 / 2.5 / 4-6 mm ²	Open Barrel Terminal	
6781P0D		AWG 0.5 / 0.75 / 1 / 1.5 / 2.5 / 4 mm ²	Insulated Core-end Terminal	
6781P0F		AWG 6 / 8 / 10 / 16 mm ²	Insulated Huge Core-end Terminal	
6781P0H		AWG 0.5 / 2.5 / 8-6 / 8-10 / 14 / 22 mm ²	Open Barrel & D-Sub, V.35 Connectors	
6781-85			Ratchet	

Item No.	Replacement die set	Terminal size	Description	
67GN-09		AWG 12 / 14 / 16 / 18 / 20 / 22 / 0.5 / 0.75 / 1.0 / 1.5 / 2.5 / 4.0 mm ²	PIN TERMINAL INSULATED OR NON-INSULATED FERRULES	
67GJP01		AWG 6 / 8 / 10 / 16 mm ²	PIN TERMINAL INSULATED OR NON-INSULATED FERRULES	
67GKP01		AWG 12-10 / 16-14 / 22-18 / 0.5-1.0 / 1.5-2.5 / 4-6 mm ²	INTER-LOCKING & NON-INSULATED	
67GLP01		AWG 12-10 / 16-14 / 20-18 / 1.5 / 2.5 / 6 / 10 mm ²	NON-INSULATED TERMINAL	
67GHP01		AWG 12-10 / 16-14 / 22-18 / 0.5-1.0 / 1.5-2.5 / 4-6 mm ²	FOR INSULATED TERMINAL	



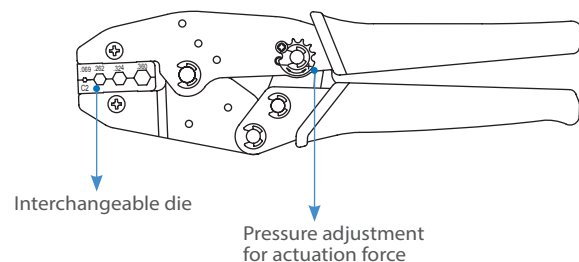
Ratchet Crimping Tool

67G

- For crimping RG type cable
- CATV "F" connectors
- Interchangeable die



KT NO.	Overall length inch mm		
67G	8.7 222	480	1 / 30



Item No.	Replacement die set	Terminal size	Description	
67G1-09	 67G1P01	.068" .262" .324" .360" (1.72 6.65 8.23 9.14 mm)	CATV "F" Connectors RG59, 6	
67GB-09	 67GBP01	.075" .100" .128" .429" (1.9 2.54 3.25 10.9 mm)	RG8, 9, 11, 174, 316 BELDEN 9913	
67GN-09	 67GNP01	AWG 12 / 14 / 16 / 18 / 20 / 22 0.5 / 0.75 / 1.0 / 1.5 / 2.5 / 4.0 mm ²	PIN TERMINAL INSULATED OR NON-INSULATED FERRULES	
67GJ-09	 67GJP01	AWG 6 / 8 / 10 / 6 / 10 / 16 mm ²	PIN TERMINAL INSULATED OR NON-INSULATED FERRULES	
67GK-09	 67GKP01	AWG 12-10 / 16-14 / 22-18 0.5-1.0 / 1.5-2.5 / 4-6 mm ²	INTER-LOCKING & NON-INSULATED	
67GL-09	 67GLP01	AWG 12-10 / 8 / 16-14 / 20-18 1.5 / 2.5 / 6 / 10 mm ²	NON-INSULATED TERMINAL	
67GH-09	 67GHP01	AWG 12-10 / 16-14 / 22-18 0.5-1.0 / 1.5-2.5 / 4-6 mm ²	FOR INSULATED TERMINAL	
67GG-09	Unchangeable	AWG 12-10 / 16-14 / 22-18 0.5-1.0 / 1.5-2.5 / 4-6 mm ²	FOR INSULATED TERMINAL	



Crimping Tools

6721-10

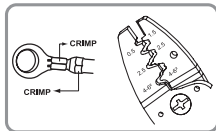
- Wire cutter
- Crimps insulated terminals
- Bolt cutter
- Crimps non-insulated terminals (Open barrel)
- Wire stripper



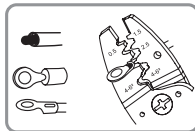
FUNCTION:



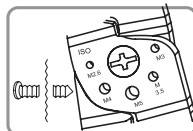
• Wire cutter



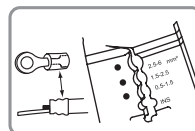
• Open barrel terminal crimping



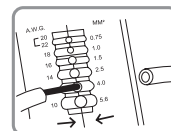
• Non-Insulated terminal Crimping



• Bolt-cutter



• Insulated terminal Crimping

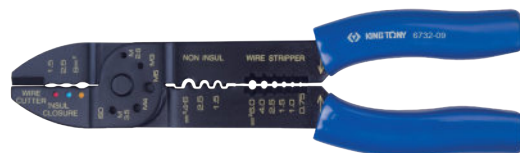


• Wire stripper

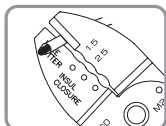
KT NO.	Wire cutter Ø mm ²	Insulated terminal crimping	Bolt-cutter	Non insulated terminal crimp	Open barrel terminal crimping	Wire stripper mm ²		
6721-10	6	0.5~6	M2.6~5	0.5~6	1.5~6	0.75~6.0	294	50 / 50

6732-09

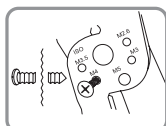
- Wire cutter
- Crimps insulated terminals
- Bolt cutter
- Crimps non-insulated terminals (Ring)
- Wire stripper



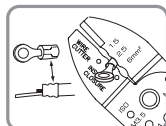
FUNCTION:



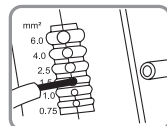
• Wire cutter



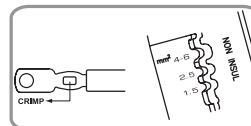
• Bolt-cutter



• Insulated terminal Crimping



• Wire stripper



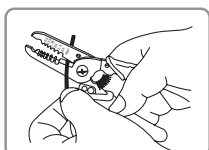
• Non-insulated ring terminal crimping

KT NO.	Wire cutter Ø mm ²	Insulated terminal crimping	Bolt-cutter	Non-insulated ring terminal crimping	Wire stripper mm ²		
6732-09	6	1.5~6	M2.6~5	1.5~6	0.75~6.0	261	24 / 72

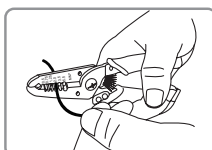
6741-06

- Wire cutter
- Wire stripper

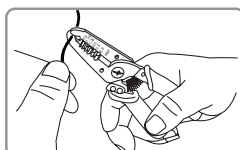
FUNCTION:



• Wire cutter



• Wire stripper



• Peel the electric wire's shell



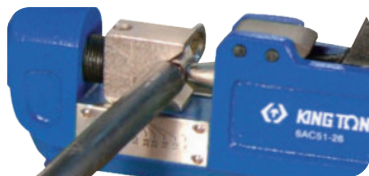
KT NO.	Wire cutter Ø mm ²	Wire stripper mm ²		
6741-06	6	0.5~5.5	103	10 / 100



Heavy Duty Crimping Tool

6AC51-26

- For cable lugs from 10mm²-150mm² with non-ratchet screw adjustment



Crimping capacity

KT NO.	Overall length mm			Crimping capacity									
				AWG	8	6	4	2	1/0	2/0	3/0	4/0	300MCM
6AC51-26	665	3.9	1 / 5	JIS(mm ²)	8	14	22	38	60	70	80	100	150
				DIN(mm ²)	10	16	25	35	50	70	95	120	150

6AC52-12

- Ratchet designed. For non-insulated terminals



KT NO.	Overall length inch	mm		
6AC52-12	12	300	520	6 / 24

	AWG	16	14	10	8	6
Item No.	JIS mm ²	1.25	2	5.5	8	14
	DIN mm ²	1.5	2.5	6	10	16
6AC52-12		•	•	•	•	•





HAMMERS & STRIKING TOOLS



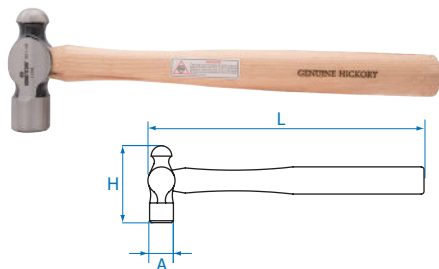


Hammer

Convert :
1g = 0.035 oz / 1g = 0.0022 lb

7811

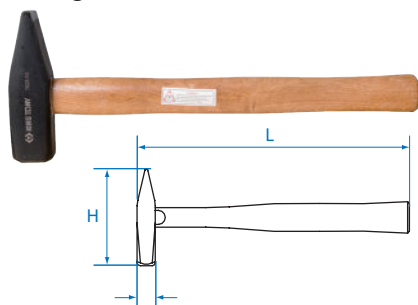
- American style
- Forged and hardened steel
- Wood and metal wedge
- GGG-H86C



KT NO.	H.W g	A mm	H mm	L mm		
7811-08	245	25	80	300	391	6 / 60
7811-12	370	29	93	300	480	6 / 48
7811-16	485	32.5	103	353	651	6 / 36
7811-24	765	35.5	122	405	983	6 / 24
7811-32	925	40.5	125	405	1170	6 / 24
7811-40	1125	42.2	133	405	1344	6 / 12

7821

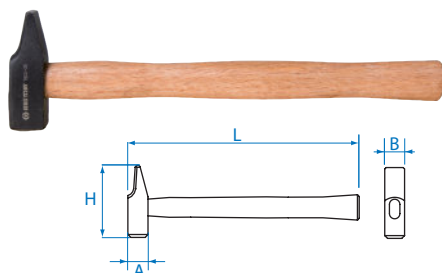
- German style
- Forged and hardened steel
- Wood and metal wedge
- DIN 1041



KT NO.	H.W g	A mm	H mm	L mm		
7821-30	371	23	103	300	395	12 / 48
7821-50	500	27	120.5	320	615	6 / 36
7821-80	800	33	130	350	990	6 / 24
7823-10	1000	36	135	360	1121	9 / 18
7823-15	1500	42	145	380	1666	6 / 12
7823-20	2000	47	155	400	2197	6 / 12

7822

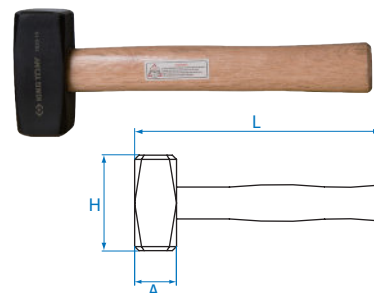
- Riveting hammer
- NF E71-016



KT NO.	H.W g	A mm	B mm	H mm	L mm		
7822-30	400	30	26	95	300	463	10 / 40
7822-40	800	40	35	115	320	977	8 / 16
7822-45	1250	45	40	124	355	1267	8 / 16
7822-50	1600	50	44	135	382	1856	6 / 12

7833

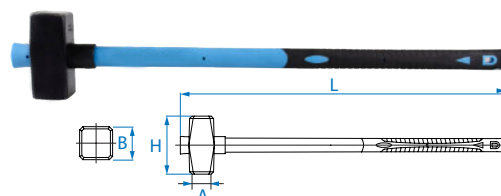
- Lump hammer
- DIN 6475



KT NO.	H.W g	A mm	H mm	L mm		
7833-10	1000	40	95	260	1066	7 / 14
7833-12	1250	43	100	260	1425	6 / 12
7833-15	1500	45	110	280	1642	6 / 12
7833-20	2000	50	120	300	2142	4 / 8

7834

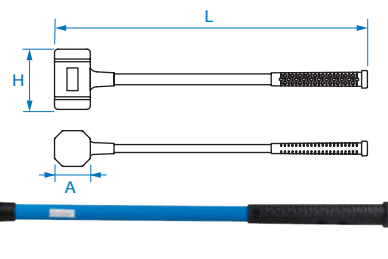
- Sledge hammer
- Fiberglass handle



KT NO.	H.W g	A mm	B mm	H mm	L mm		
7834-50	5000	68	70	158	908	5850	1 / 2

7852

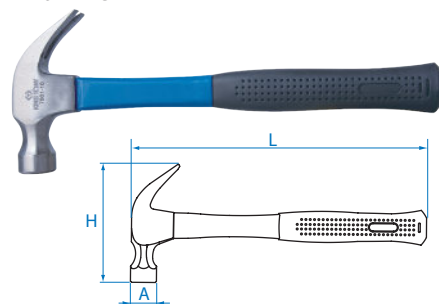
- Rubber hammer
- Fiberglass handle



KT NO.	H.W g	A mm	H mm	L mm		
7852-23	1650	69.5	142	500	2062	4 / 8
7852-55	4500	104	198	910	5500	2 / 4

7861

- Fiberglass claw hammer



KT NO.	H.W g	A mm	H mm	L mm		
7861-08	225	24.8	106	275	374	10 / 40
7861-16	450	30.0	133	335	740	4 / 24
7861-20	565	31.0	144	340	830	4 / 24
7861-24	680	32.0	147	380	920	10 / 20

Hammer

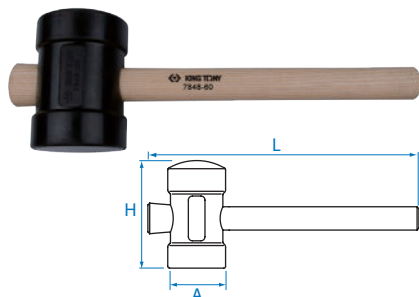


CAUTION Please wear proper safety gear while working.



7848

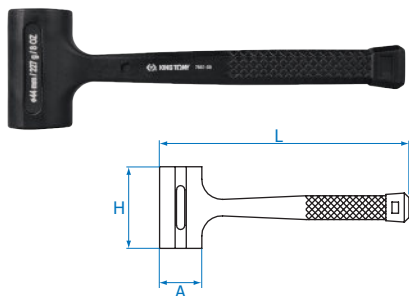
- Rubber hammer
- Feature : used to lay basalt floors, tires and other materials which are vulnerable



KT NO.	H.W g	A mm	H mm	L mm		
7848-60	523	64	119	330	628	6 / 12
7848-80	821	79	119	350	979	5 / 10

7851

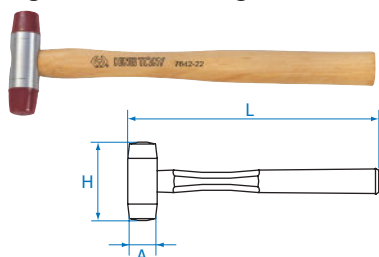
- Dead blow hammer



KT NO.	H.W g	A mm	H mm	L mm		
7851-08	227	44	81	272	572	6 / 24
7851-16	454	45	100	304	804	6 / 24
7851-24	680	49	100	322	942	6 / 24
7851-32	907	55	100	342	1059	6 / 24
7851-40	1134	58	110	342	1168	6 / 24
7851-48	1361	61	123	355	1321	6 / 12
7851-64	1814	68	136	368	1976	6 / 12

7842

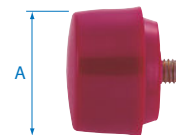
- Soft face hammer
- Replaceable polyurethane face
- Helps minimize marring and surface damage



KT NO.	A mm	H mm	L mm		
7842-22	22	75	255	110	10 / 40
7842-28	28	85	295	165	10 / 40
7842-35	38	100	325	305	8 / 32
7842-45	45	112	335	420	8 / 32
7842-60	60	135	380	895	6 / 12

915

- Spare faces for item 7842



KT NO.	A mm		
91522H/S	22	11	10 / 160
91528H/S	28	22	10 / 100
91535H/S	38	38	6 / 120
91545H/S	45	70	6 / 36
91560H/S	60	137	6 / 24

Hammer Hook

91431

- Overall Size - W40 x D210 x H240 mm
- Weight - 411.6 g / Cuft - 0.072



Chisel & Punch

- Material - chrome vanadium alloy steel
- Finishing - phosphate sunk

761

Center punch



KT NO.	Ø mm	L mm		
76103-04	3	100	33	12 / 336
76104-05	4	120	58	12 / 336
76105-06	5	150	129	12 / 144

763

Starter punch



KT NO.	Ø mm	L mm		
76301-05	1	120	57	12 / 336
76302-05	2	120	55	12 / 336
76303-05	3	120	57	12 / 336
76304-05	4	120	58	12 / 336
76305-05	5	120	59	12 / 336
76306-05	6	120	61	12 / 336
76307-05	7	120	101	12 / 240
76308-05	8	120	110	12 / 240
76309-06	9	150	141	12 / 144
76310-06	10	150	144	12 / 144



Chisel & Punch Set

- Material - chrome vanadium alloy steel
- Finishing - phosphate sunk



CAUTION Please wear proper safety gear while working.

765

Cape chisel



KT NO.	A mm	L mm		
76505-05	5	130	66	12 / 240

762

Flat chisel



KT NO.	A mm	L mm		
76210-10	10	250	135	12 / 144
76213-04	13	100	52	12 / 336
76213-06	13	150	82	12 / 144
76215-05	15	125	67	12 / 336
76217-06	17	150	140	12 / 144
76220-07	20	175	169	12 / 144
76223-08	23	200	295	12 / 72
76224-10	24	250	376	4 / 40
76226-12	26	300	649	4 / 32

764

Pin punch



KT NO.	Ø mm	L mm		
76402-45	2	115	31	10 / 640
76403-05	3	125	33	10 / 640
76403-06	3	150	39	10 / 250
76404-06	4	150	60	10 / 250
76405-65	5	165	68	10 / 280
76406-07	6	180	125	10 / 150
76408-08	8	200	162	10 / 120
76410-85	10	215	222	12 / 120
76412-09	12	230	349	10 / 80
76414-10	14	250	502	6 / 48

1005APR



5
PC.

Contents



0.32



8 / 48

	76104-05	Ø 4 x 120
	76215-05	15 x 125
	76303-05	Ø 3 x 120
	76404-06	Ø 4 x 150
	76505-05	5 x 130

1006APR



6
PC.

Contents



0.51



5 / 30

	764	Ø 2 x 115, Ø 3 x 125 Ø 4 x 150, Ø 5 x 165 Ø 6 x 180, Ø 8 x 200
--	-----	--

Flat Chisel & Punch Set

1090PR1

- Flat chisel & punch set

KT NO.	Contents	Each Qty		Cuft
1090PR1	761 Ø 4 x 120, Ø 5 x 150	6	13.50	0.34'
	762 17 x 150, 20 x 175, 23 x 200, 24 x 250 mm			
	763 4 x 120, 8 x 120 mm			
	764 Ø 3 x 40, Ø 4 x 50, Ø 5 x 50, Ø 6 x 50, Ø 10 x 65			
	767 150, 200 mm			
8711B	600 x 240 x 60 mm	1	6.20	0.9'
8711B-1	600 x 232 x 230 mm	1	2.00	1.7'



90
PC.

Shelf size (mm) : 600 x 240 x 290



Punch Set

- Material - chrome vanadium alloy steel
- Finishing - phosphate sunk



► Pouch material : Tetonon



► Pouch material : Nylon



► Pouch material : Tetonon

KT NO.	PC.	Contents	Package		
1006PR	6	Ø 2 x 30, Ø 3 x 40, Ø 4 x 50, Ø 5 x 50, Ø 6 x 50, Ø 8 x 50	Nylon	0.57	1 / 20
1006PRN	6	764	Tetonon		
		761 Ø4 x 120, Ø5 x 150			
1016PR	6	762 20 x 175, 23 x 200	Nylon	0.84	1 / 20
		764 Ø3 x 125, Ø5 x 165			
1009PR	9	Ø 2 x 30, Ø 3 x 40, Ø 4 x 50, Ø 5 x 50, Ø 6 x 50, Ø 8 x 50,	Nylon	1.70	1 / 12
1009PRN	9	764 Ø10 x 65, Ø12 x 70, Ø14 x 75	Tetonon		
		761 Ø 3 x 100, Ø 4 x 120, Ø 5 x 150			
1010PR	10	763 Ø 3 x 120, Ø 6 x 120, Ø 8 x 120	Nylon	0.88	1 / 24
		764 Ø 3 x 40, Ø 4 x 50, Ø 5 x 50, Ø 6 x 50			
1025PRN	5	762 13 x 100, 15 x 125, 17 x 150, 20 x 175, 23 x 200	Tetonon	0.79	1 / 20

Sheathed Chisel & Pin Punch

- Material - chrome molybdenum alloy steel
- Finishing - phosphate sunk
- Safe and comfortable grip

761-G Sheathed center punch



KT NO.	Ø mm	L mm		
76125-74G	2.5	185	111	12 / 144
76104-74G	4	185	113	12 / 144
76106-74G	6	185	175	12 / 144
76108-74G	8	185	168	12 / 120
76110-74G	10	185	117	12 / 120

763-G Sheathed starter punch



KT NO.	Ø mm	L mm		
76302-74G	2	185	111	12 / 144
76303-74G	3	185	111	12 / 144
76304-74G	4	185	112	12 / 144
76305-74G	5	185	115	12 / 144
76306-74G	6	185	118	12 / 144
76308-74G	8	185	166	12 / 120

762-G Sheathed flat chisel



KT NO.	A mm	L mm		
76218-75G	18	190	181	10 / 100
76219-75G	19	190	180	10 / 100
76220-84G	20	210	268	8 / 80
76222-84G	22	210	269	8 / 80

764-G Sheathed pin punch



KT NO.	Ø mm	L mm		
76402-55G	2	140	50	12 / 384
76403-06G	3	150	53	12 / 384
76404-07G	4	180	96	12 / 144
76405-08G	5	200	110	12 / 144
76406-84G	6	210	163	12 / 120
76407-84G	7	220	163	12 / 120
76408-88G	8	220	174	12 / 96
76409-88G	9	230	183	12 / 96
76410-09G	10	250	246	10 / 80
76412-10G	12	290	347	8 / 64
76414-11G	14	350	443	6 / 48
76416-12G	16	310	594	6 / 36
76410-14G	10	350	358	10 / 60
76412-14G	12	350	476	6 / 36
76414-14G	14	350	521	6 / 36
76416-14G	16	350	670	5 / 30



Sheathed Pin Punch Set



► Pouch material : Tetonor

KT NO.	PC.	Contents		
1014GPN	4	Ø 10 x 350, Ø 12 x 350, Ø 14 x 350, Ø 16 x 350	2.13	1 / 8
1006GPN	6	Ø 2 x 140, Ø 3 x 150, Ø 4 x 180, Ø 5 x 200, Ø 6 x 210, Ø 8 x 220	0.80	1 / 8
1009GPN	9	Ø 2 x 140, Ø 3 x 150, Ø 4 x 180, Ø 5 x 200, Ø 6 x 210, Ø 8 x 220, Ø 10 x 230, Ø 12 x 250, Ø 14 x 290	1.82	1 / 12



Automatic Center Punch

768

- Material : handle - brass, tip - S2
- Spring-loaded trigger design for using without a hammer

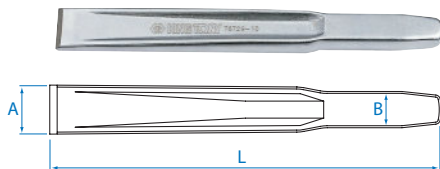
KT NO.	Ø mm	L mm		
76804-05	1.3	130	75.0	30 / 120
76807-06	1.7	155	142	30 / 120



Flat Chisel & Set

767

- Ribbed type



KT NO.	A mm	B mm	L mm		
76717-05	17	12.6	125	88	12 / 240
76721-06	20	16.0	150	147	12 / 144
76724-08	25	19.0	200	264	12 / 72
76729-10	29	22.3	250	454	8 / 48

11104PR



4 PC.

Contents

1.37 1 / 10

76717-05	17 x 125
76721-06	20 x 150
76724-08	25 x 200
76729-10	29 x 250
87108	

11104PR10



4 PC.

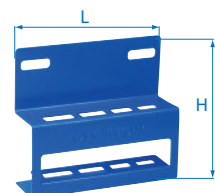
Contents

1.0 1 / 20

76717-05	17 x 125
76721-06	20 x 150
76724-08	25 x 200
76729-10	29 x 250

87108

- Acrylic display stand



KT NO.	H mm	L mm		
87108	140	160	410	12

Marking Punch



CAUTION Please wear proper safety gear while working.



11409SQ

- Chrome vanadium alloy steel
- Hardened and tempered control HRC60 for safe use
- Invert number 6 to be number 9 (For 11409SQ)
- The letter A~Z with extra "&" (ampersand) included (For 11427SQ)



• The position hole help to fix the marking punch



11409SQ

11427SQ



11427SQ

KT NO.	Font size mm	Font size inch	Contents	Shank mm ²	L mm	Kg	Box / Carton
11409SQ02	2.0	5/64"	9 PCS 0~9	6.35	61	0.18	1 / 120
11409SQ03	3.0	1/8"		6.35	61	0.18	1 / 120
11409SQ04	4.0	5/32"		6.35	59	0.18	1 / 120
11409SQ05	5.0	3/16"		8	61	0.28	1 / 80
11409SQ06	6.0	1/4"		9.53	61	0.43	1 / 60
11409SQ08	8.0	5/16"		12.7	71	0.78	1 / 30
11427SQ02	2.0	5/64"	27 PCS A~Z, &	6.35	61	0.52	1 / 50
11427SQ03	3.0	1/8"		6.35	61	0.52	1 / 50
11427SQ04	4.0	5/32"		6.35	59	0.52	1 / 50
11427SQ05	5.0	3/16"		8	61	0.82	1 / 30
11427SQ06	6.0	1/4"		9.53	61	1.25	1 / 20
11427SQ08	8.0	5/16"		12.7	71	2.33	1 / 10

Heavy Duty Marking Punch

11509SQ

- Chrome vanadium alloy steel
- Hardened and tempered control HRC60 for safe use
- Hardness reduced at striking end HRC40 to have longer life time
- Invert number 6 to be number 9 (For 11509SQ)
- The letter A~Z with extra "&" (ampersand) included (For 11527SQ)



11509SQ05

11527SQ



11527SQ05

KT NO.	Font size mm	Font size inch	Contents	Shank mm ²	L mm	Kg	Box / Carton
11509SQ05	5.0	3/16"	9 PCS 0~9	11	61	0.56	1 / 30
11527SQ05	5.0	3/16"	27 PCS A~Z, &	11	61	1.70	1 / 10



WORKSHOP TOOLS



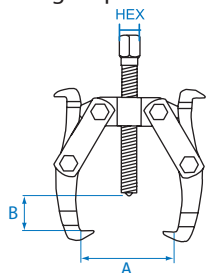


Gear Puller & Set

- Material - chrome vanadium alloy steel
- Finishing - chrome plated & phosphate sunk

7962

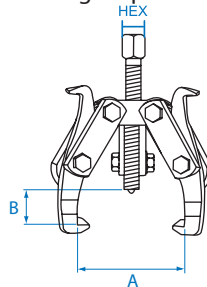
- Two-Jaw gear puller



KT NO.	Capacity (tons)	HEX (mm)	Jaw (leg)	Spread (A)mm	Reach (B)mm	Kg	1 / 40
7962-03	2	14	2	40~75	60	0.44	1 / 40
7962-04	4	17	2	50~100	95	0.78	1 / 20
7962-06	6	19	2	70~150	150	1.65	1 / 10
7962-08	10	23	2	95~200	235	3.50	1 / 5
7962-12	15	32	2	140~300	280	7.00	1 / 2

7963

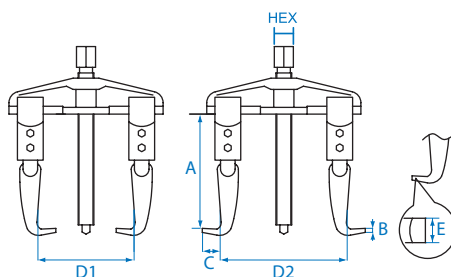
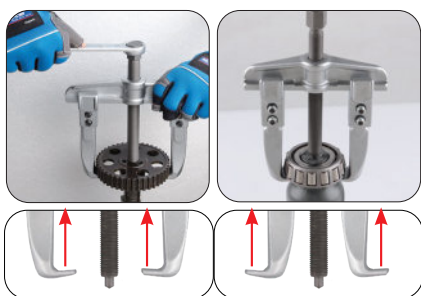
- Three-Jaw gear puller



KT NO.	Capacity (tons)	HEX (mm)	Jaw (leg)	Spread (A)mm	Reach (B)mm	Kg	1 / 40
7963-03	3	14	3	40~75	60	0.55	1 / 40
7963-04	6	17	3	50~100	95	1.06	1 / 20
7963-06	9	19	3	70~150	150	2.25	1 / 10
7963-08	15	23	3	95~200	235	4.50	1 / 5
7963-12	22	32	3	140~300	280	11.00	1 / 2

7962B

- Two-Jaw gear puller
- Adjustable sliding arm for efficiency and safety
- Reversible jaws for internal & external options gear, axle, bearing, etc...



KT NO.	Capacity (tons)	Hex (mm)	Jaw (leg)	Reach A(mm)	B (mm)	C (mm)	Spread D1 (mm)	Spread D2(mm)	E (mm)	Kg	1 / 40
7962B-35	3.0	17	2	100	3.8	14.5	90	60~125	21	1.05	1/12
7962B-05	5.0	17	2	100	3.8	14.5	130	60~160	21	1.15	1/12
7962B-06	5.0	22	2	150	4.6	23.0	150	85~200	30	2.98	1/6
7962B-08	7.5	22	2	150	4.6	23.0	190	105~230	30	3.41	1/6
7962B-10	7.5	27	2	210	7.0	30.0	240	130~300	35	7.11	1/3

7962B1PR

- Two-Jaw gear puller
- Adjustable sliding arm for efficiency and safety
- Reversible jaws for internal & external options gear, axle, bearing, etc...



5 PC.

Contents

18.20

1



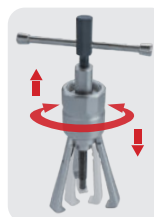
7962B 3.5", 5", 6", 8", 10"

87155

Micro Bearing Puller

7965-02

- Applications include: alternators, generators, domestic appliances, power tools and pumps



- Adjust the jaws by turning the screw

KT NO.	Capacity (Tons)	Spread A(mm)	Reach B(mm)	Kg	1 / 40
7965-02	2T	19-45	73	905	1 / 12

Two Sets Pressure Screw Bearing Separator Puller Set

9BA21

- 2 Sets bearing separator & bolts
- Contents:

(1) Bearing Separator

9BA21P02

Capacity 30mm ~ 50mm
Bolt 3/8" x 24UNF x L125mm

(2) Bearing Separator

9BA21P01

Capacity 50mm ~ 75mm
Bolt 1/2" x 20UNF x L 135mm

(3) 4 PC. Main rod

9BA21P04

Hex bar 14mm 3/8" x L 102mm x 2 pcs

9BA21P06

Hex bar 17mm 1/2" x L 127mm x 2 pcs

(4) 4 PC. Extension rod

9BA21P05

Hex bar 14mm 3/8" x L 102mm x 2 pcs

9BA21P07

Hex bar 17mm 1/2" x L 127mm x 2 pcs

(5) 1 PC. Beam

9BA21P03

Central Bolt

9BA21P011

(6) 9BA21P011

Hex 18mm x 9/16" x L175mm



5.25



1 / 2



12
PC.

Pressure Screw Bearing Separator Puller Set

9BA22

- Includes bearing separator & bolts
- Contents:

(1) Bearing Separator

9BA22P01

Capacity 75mm ~ 105mm
Bolt 5/8" x 18UNF x L 165mm

(2) 2 PC. Main rod

9BA22P02

Hex bar 19mm x M12 & 1/2" x L 255mm

(3) 2 PC. Extension rod

9BA22P04

Hex bar 19mm x M12 x L 255mm

(4) 1 PC. Beam

(5) 1 PC. Central bolt

9BA22P011

Hex 21mm x M18 x L292 mm

(6) 1 PC. Nut



8.95



1 / 2



8
PC.

Hydraulic Puller Set

9BA01

- Includes forged steel bearing separator and gear puller
- Operate up to 10 tons hydraulic pulling power
- Special separator design of the strong back puller allows the puller to be used even in the tightest spaces
- Suitable for industry, automotive and a gricultural machine

9BA22P011- Set Separator Capacity 75mm ~ 105mm

9BA22P03- 1 PC. Beam

9BA01P01- 1 PC. 10T Hydraulic Ram

9BA01P032- 1 PC. Tripe Head

9BA01P031- 1 PC. Twin Head

9BA01P033- 1 PC. Ram Part

9BA01P012- 1 PC. Centre Adapter

9BA01P013- 1 PC. 1"x 2" Extension Rod

9BA01P014- 1 PC. 1"x 4" Extension Rod

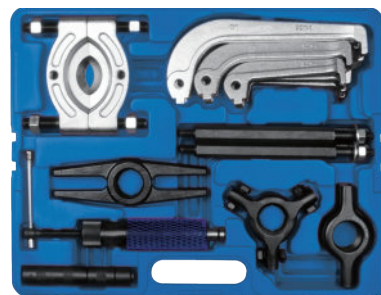
9BA22P02- 2 PC. Main Rod Hex bar 19mm x M12 & 1/2" x L255mm

9BA22P04- 2 PC. Extension Rod Hex bar 19mm x M12 x L255mm

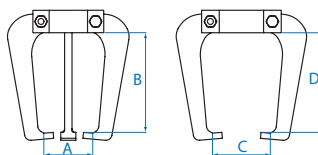
9BA01P051- 3 PC. 4" Leg

9BA01P052- 3 PC. 6" Leg

9BA01P053- 3 PC. 8" Leg



22
PC.



Size	Spread A (mm)	Reach B (mm)	Spread C (mm)	Reach D (mm)
4"	240	120	250	120
6"	190	170	310	170
8"	180	220	200	220



17.00



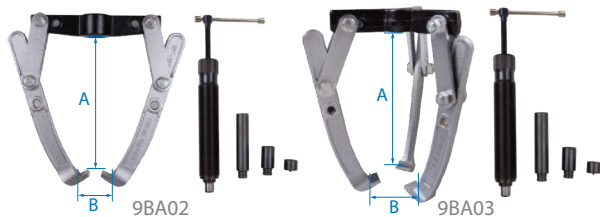
1 / 1



Hydraulic Mechanical Pullers

9BA

- Quick and safe removal particularly large and tight gears, bearings, etc...
- Two and three jaws type, use for different space



KT NO.	Capacity (Tons)	Jaws (leg)	Reach A(mm)	Spread B(mm)	kg	
9BA02	15T	2	320	500	11.30	1 / 1
9BA03	15T	3	320	500	16.50	1 / 1

Universal Bearing Puller Set



9BA31

- Easy and fast removing ball bearing by using the puller
- Select proper tips by ball diameter

CONTENTS :

- 1 PC. Puller yoke M6 x1.0 and center screw Hex 12mm x160mmL
- 1 PC. Top Nut
- 2 PC. Extension rod x L 105mm
- Ball ended threaded adapter
- 2 PC. 5.5mm / 2 PC. 6.0mm / 2 PC. 8.0mm

kg 1.33 / 1 / 12



10 PC.

9BA32

1/2"

- Easy and fast removing ball bearing by using the puller
- Select proper tips by ball diameter

CONTENTS :

- 1 PC. Puller yoke 3/8-16UNC and center screw Hex 14mm x175mmL
- 1 PC. Top Nut
- 2 PC. Extension rod x L 100mm
- Ball ended threaded adapter
- 2 PC. 11.0mm / 2 PC. 12.5mm / 2 PC. 15.0mm

kg 2.00 / 1 / 12



10 PC.

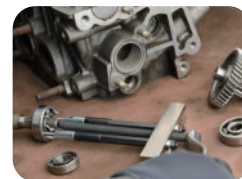
9BA33

- Easy and fast removing ball bearing by using the puller
- Select proper tips by ball diameter

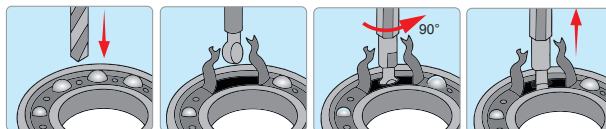
CONTENTS :

- 1 PC. Puller yoke M14 x2.0 and center screw Hex 21mm x280mmL
- 1 PC. Top Nut
- 2 PC. Extension rod x L 170mm
- Ball ended threaded adapter :
- 2 PC. 15.0mm / 2 PC. 17.4mm
- 2 PC. 20.0mm / 2 PC. 25.2mm
- 2 PC. 30.0mm / 2 PC. 36.4mm

kg 8.00 / 1 / 3



16 PC.



Slide Hammer Gear Puller Set

796401MR

Slide Hammer Puller Set

- For jobs involving pull and grip gears, bearings, outer races, grease retainers, oil seals, etc.
- 2.6 lbs(1.2 kgs) slide hammer
- 400 mm length T-handle puller
- 3-in-1 hammer puller, to handle inside pull such as bearing cups and outer races, as well as regular outside pull jobs

kg 4.50 / 1 / 4

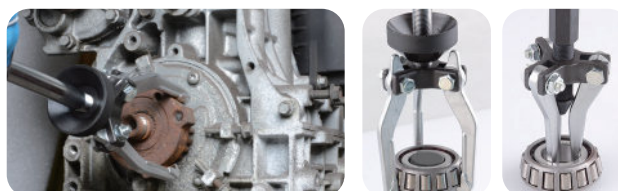


6 PC.

CONTENTS:

- 1 PC. 400 mm T handle shaft
- 1 PC. 2.6 lbs / 1.2 kgs hammer
- 1 PC. Adjustable nut
- 1SET Internal gear puller for Ø15-30mm(A)
- 1SET Internal gear puller for Ø30-80mm(B)
- 1SET External gear puller for Ø15-80mm(C)

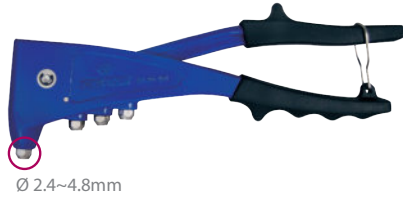
Items		D (mm)	Capacity
Internal gear puller		6	Ø 15-30mm
Internal gear puller		10.5	Ø 30-80mm
External gear puller		10.5	Ø 15-80mm



Riveter & Set

21-20-101

- Stainless steel riveter nozzles
- Drop-forged aluminum body



KT NO.	L		Capacity			
	inch	mm	inch	mm		
21-20-101	10-1/4	260	3 / 32	Ø 2.4	588	12 / 24
			1 / 8	Ø 3.2		
			5 / 32	Ø 4.0		
			3 / 16	Ø 4.8		

21-20-07MR

Blow case size (mm) :
276 x 160 x 46(0.122 cuft)

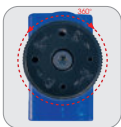


121
PC.

Contents		 1.06	 /  / 16	Each Q'ty
 4 x 8 mm	 4 x 10 mm	20		
 4 x 8 mm	 4 x 10 mm			
 4.8 x 8 mm	 4.8 x 10 mm			
 21-20-101				1

21-20-102

- 4 changeable sizes
- Stainless steel riveter
- The driver can be used in 90° and 180°



KT NO.	L		Capacity			
	inch	mm	inch	mm		
21-20-102	11	278	3 / 32	Ø 2.4	778	6 / 24
			1 / 8	Ø 3.2		
			5 / 32	Ø 4.0		
			3 / 16	Ø 4.8		

Riveter

79711

- Stainless steel riveter nozzles
- Drop-forged aluminum body
- Heavy duty riveter for stainless or aluminum rivets



KT NO.	L		Capacity			
	inch	mm	inch	mm		
79711	18	460	1 / 8	Ø 3.2	1480	1 / 12
			5 / 32	Ø 4.0		
			3 / 16	Ø 4.8		
			1 / 4	Ø 6.4		

Expander Riveter

79721

- Expander framework design to press riveter
- 4 PC. Interchangeable nozzles
- Heavy duty riveter for stainless or aluminum rivets



KT NO.	L		Capacity			
	mm(min)	mm(max)	inch	mm		
79721	315	870	1 / 8	Ø 3.2	2.00	1 / 10
			5 / 32	Ø 4.0		
			3 / 16	Ø 4.8		
			1 / 4	Ø 6.4		

Blind Nut Riveter

21-30-09MR

- Designed for fastening object to thin metal
- 4 PC. interchangeable mandrels (M4, M5, M6, M8)
- 80 PC. iron nut rivet



85
PC.

KT NO.	L		Capacity		
	inch	mm			
21-30-09MR	10-1/2	265	M4 x 0.7	1.32	1 / 12
			M5 x 0.8		
			M6 x 1.0		
			M8 x 1.25		

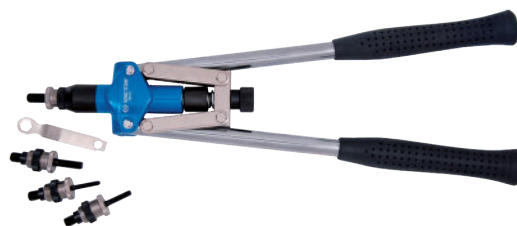


Nut Riveter

79731

- Stainless steel nut riveter nozzles
- Drop-forged aluminum body
- Heavy duty riveter for stainless or aluminum rivet nuts

KT NO.	inch	L mm	Capacity	kg	
79731	18	472	M5	1.86	1 / 12
			M6		
			M8		
			M10		



Measuring Tape

- Auto-Lock measuring tape
- Two retrieval buttons
- Nylon coating 3-rivet blade
- Ergonomic & shockproof ABS+TPE case
- Specially red marked each 10cm scale
- EU Class II accuracy standard approval

79093



KT NO.	L M / FT	B mm	g	
79093-02M	2M	16	110	16 / 64
79093-03M	3M	16	137	16 / 64
79093-05M	5M	19	210	14 / 56
79093-05M1	5M	25	260	12 / 48
79093-08M	8M	25	420	12 / 48
79093-03C	3M/10FT	16	137	16 / 64
79093-05C	5M/16FT	19	210	14 / 56
79093-08C	8M/26FT	25	420	12 / 48

79094

- Magnetic hook



KT NO.	L M / FT	B mm	g	
79094-02M	2M	16	110	16 / 64
79094-03M	3M	16	137	16 / 64
79094-05M	5M	19	210	14 / 56
79094-08M	8M	25	420	12 / 48
79094-03C	3M/10FT	16	137	16 / 64
79094-05C	5M/16FT	19	210	15 / 60
79094-05C1	5M/16FT	25	260	12 / 48
79094-08C	8M/26FT	25	420	12 / 48

79095-05M

- Magnetic hook

79094-05M
16%



KT NO.	L M / FT	B mm	g	
79095-05M	5M	19	158	12 / 144

79095-05M-S



Contents

	kg	
79095-05M x 12 PC.	1.90	1 / 10

Paper Display Stand

87118

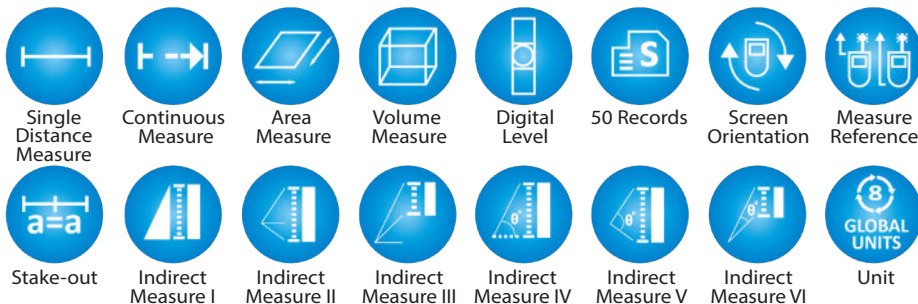
- Capacity : 12 PC.
- For all measuring tape (79093 / 79094 <02M,03M,05M>series)
- Paper display stand size(mm) : 309 x 237 x 189 (0.489 CUFT)



Full Color Laser Distance 60M

7DM1160

- Colorful LCD display for easily reading
- Functions : Single measure, continuous measure, area, volume, height, stake-out
- Six flexible ways for height measurement
- Universal 8 length units with auto-converting
- 360° inclination sensor for determining the horizontal and vertical distance
- 2 selectable measurement reference points : Front and rear
- Automatic orientation display
- CE Approval IEC 60825-1: 2014, EN 61326-1: 2013



Technical data	
Display	Color LCD
Measuring Range	0.05 m ~ 60 m
Resolution	0.001 m
Accuracy	±1.5 mm
Laser Type	650 nm, Class II, < 1 mw
Unit(Selectable)	m, ft, in, 0'0" 1/32, 1/32in, 1/16in, 1/8in, 10/33
Battery Life	Up to 6,000 measures
Operation Temperature	-5° C ~ 40° C
Storage Temperature	-20° C ~ 60° C
Memory	50 set
IP code	54
Automatic Power-Off	Laser-120 seconds Device-180 seconds
Battery	AAA x 2 PC. Included

KT NO.	Size (mm) L x W x H	Weight (g)	Box Qty
7DM1160	105 x 48 x 21	200	1 / 40



• Color LCD

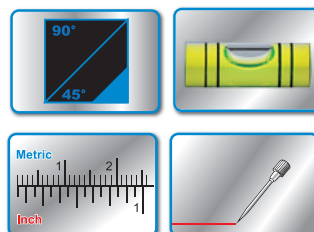
Overview for device :

- A - LCD
- B - Single Measure
- C - Addition
- D - Subtraction
- E - Clear / Power
- F - Functions Included Single Measure, Continuous Measure, Area, Volume, Six Indirectly Height Measurements, Stake-out, Level, Unit and Setting
- G - Reference
- H - Receiving Lens
- I - Laser Emitted Window

Measuring

79062

- Adjustable square measuring with angle spirit level 305mm
- Sliding combination of square, spirit level, height gauge and steel rule
- 90° and 45° level allow try-square and metre-square work
- Metal scriber pin in the end
- Metric and imperial marking at both sides
- Precision cast zinc alloy and stainless blade
- For woodwork

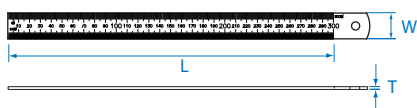
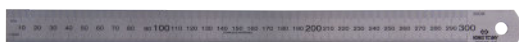


KT NO.	mm	Inch	Weight (g)	Box Qty
79062-12	305	12	312	12 / 72

Stainless Ruler

79063

- Stainless steel deeply etched for easy reading
- Dual scale : metric & imperial marking (mm/inch)

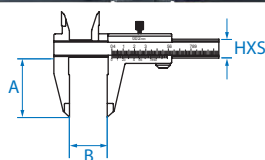


KT NO.	L mm	Inch	W mm	T mm	g	Box
79063-06	150	6	13	0.6	12	10 / 500
79063-12	300	12	30	0.8	65	10 / 300
79063-20	500	20	30	0.8	105	10 / 250
79063-40	1000	40	30	0.8	360	10 / 100

Calipers

77131

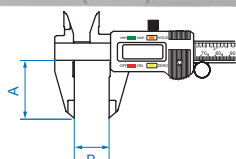
- Vernier calipers parallax free
- Parallax free bevel scales for easy and accurate measurement
- 4 way measurement capability for outside, inside, depth and step measurement
- The caliper is made of hardened stainless steel



KT NO.	A mm	B max mm	Vernier mm	H x S mm	g	Box
77131-06	40	150	0.02	16 x 3	320	1 / 50
77131-08	50	200	0.02	20 x 4	450	1 / 50

77141

- Digital calipers
- Digital display slide calipers with thumb roller
- Large clear LCD on/off, metric/imperial, zero switches
- Hold function allows quick and efficient inspection record
- Made of hardened stainless steel



KT NO.	A mm	B max mm	Resolution mm	Inch	g	Box
77141-06	40	150	0.01	0.001	320	1 / 20
77141-08	50	200	0.01	0.001	485	1 / 50

Metric Feeler Gauge

- Material: blade made of spring steel

77340-20

- 20 blades metric feeler gauge

CONTENTS :

- 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 mm



KT NO.	Number of blades	Width x Length of blades (mm)	g	Box
77340-20	20	10 x 100	105	50 / 200

77335-25

- 25 blades metric feeler gauge

CONTENTS :

- 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 mm



KT NO.	Number of blades	Width x Length of blades (mm)	g	Box
77335-25	25	13 x 85	105	50 / 200

77328-26

- 26 blades inch feeler gauge

CONTENTS :

- 0.0015", 0.002", 0.0025", 0.003",
- 0.004", 0.005", 0.006", 0.007",
- 0.008", 0.009", 0.010", 0.011",
- 0.012", 0.013", 0.014", 0.015", 0.016", 0.017", 0.018", 0.019", 0.020",
- 0.021", 0.022", 0.023", 0.024", 0.025"
- 0.038, 0.051, 0.063, 0.076, 0.102, 0.127, 0.152, 0.178, 0.203, 0.229,
- 0.254, 0.279, 0.305, 0.330, 0.356, 0.381, 0.406, 0.432, 0.457, 0.483,
- 0.508, 0.533, 0.559, 0.584, 0.610, 0.635 mm

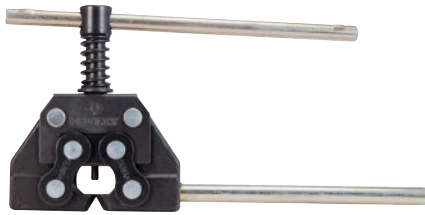


KT NO.	Number of blades	Width x Length of blades (mm)	g	Box
77328-26	26	12.7 x 76	91	14 / 168



Roller Chain Detacher

3214

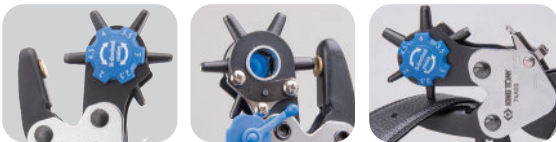


KT NO.	For chain size ANSI NO.		
3214-35	35~50	310	1 / 60
3214-60	60~100	691	1 / 20

Revolving Punch Pliers

74A00

- To punch holes into leather, textiles and soft material
- Revolving steel head has unique waste collection facility



KT NO.	Punch size mm ²	Overall length mm		
74A00	2, 2.5, 3, 3.5, 4, 4.5	230	366	10 / 60

Retractable Tool Lanyard

79A21-30

79A22-30

- Retractable tool lanyard
- 3 kgs maximum tool weight
- Nylon tether with steel spring inside to absorb the shock of a dropped tool
- Increases safety and productivity
- Ergonomically designed length



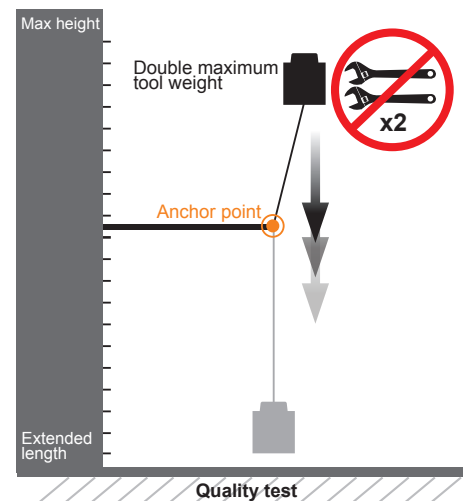
79A21-30



79A22-30



KT NO.	Capacity mm	Hook		
79A21-30	800~1300	2 lock snaps	106	12 / 144
79A22-30	800~1300	fixed loop	89	12 / 144



- The retractable tool lanyards are developed according to KING TONY standard. The steel lanyards are tested by double maximum weight and dropped from height. Product quality is approved.



Round Magnetic Tool Holder



9TE11

- Stainless steel tray resists corrosion
- Can be used horizontally, vertically, and upside down
- Convenient for collecting small parts and tools



KT NO.	Size mm		
9TE11	Ø 150	433	1 / 30

PU Working Gloves



9TH31-XL

- Strap design for easy adjustments
- Comfortable and breathable fabric material



KT NO.	Size	Width mm	Overall Length mm		
9TH31-XL	XL	107	235	70	100
9TH31-2L	2L	112	240	70	100

Anti-vibration Protective Gloves

9TH21XL

- Protection from repetitive impact and vibration of pneumatic tools
- Magnet in back of glove for storing metal parts and fasteners

110 100



KT NO.	Size	Width mm	Overall Length mm		
9TH21XL	XL	112	235	110	100

Lightweight PU Work Gloves

9TH41

- PU leather offers high dexterity, sensitivity, excellent grip and good comfort
- Mesh fabric provides good breathability
- Elastic band cuff with label velcro provides firm fitting
- EN388 2121X



KT NO.	Size	Width mm	Overall Length mm		
9TH41-L	L	105	230	67	120
9TH41-XL	XL	110	240	72	120

Vibration Resistant Work Gloves

9TH42

- Goat leather palm provides high dexterity and comfort with EVA padding for anti-vibration
- Touch screen capable fingertips
- Mesh fabric provides good breathability
- Neoprene cuff with velcro adjustment ensures firm fitting
- EN388 2111X



KT NO.	Size	Width mm	Overall Length mm		
9TH42-XL	XL	115	250	98	120
9TH42-XXL	XXL	120	260	102	120

Silicone Non-slip Work Gloves

9TH43

- Durable palm with anti-slip silicone for excellent grip. EVA padding for anti-vibration
- Reflective piping ensure safe work in dark
- Elastic band cuff with label velcro provides firm fitting
- EN388 2111X



KT NO.	Size	Width mm	Overall Length mm		
9TH43-XL	XL	115	247	102	120
9TH43-XXL	XXL	120	257	108	120

Cold Protection Work Gloves

9TH44

- Nubuck leather palm is breathable, foam insert for extra comfort and anti-vibration
- Reflective piping ensure safe work in the dark
- Neoprene cuff with velcro adjustment ensures firm fitting
- Thinsulate insulation lining offers extra warmth
- EN388 2111X



KT NO.	Size	Width mm	Overall Length mm		
9TH44-XL	XL	120	250	105	120
9TH44-XXL	XXL	125	260	113	120

Magnetic Work Gloves

9TH45

- Durable palm with magnetic index finger
- Powerful magnetic on back for storing metal parts & fasteners
- Elastic band cuff with label velcro to ensure firm fitting
- EN388 3111X



KT NO.	Size	Width mm	Overall Length mm		
9TH45-XL	XL	120	250	92	120
9TH45-XXL	XXL	125	260	98	120

Silicone Trowel & Scraper

7AA105

- Suitable for removing old caulking and replacing new caulking
- The trowel head with chamfer which is easy for smooth sealing lines
- The stainless tip prevent the surface from being damaged



KT NO.	Size	Overall length mm		
7AA105	3R, 6R, 10R, 13R, 17R	204	100	24 / 48



5 PC.

- Includes Five different nozzle pad head

High Thrust Caulking Gun

7CA81-30H

- Cartridge caulk gun
- For 10oz / 300ml cartridges
- 26:1 high thrust ratio provide 450 kgf push force
- Apply extremely thicker materials and adhesives
- Smooth action provide cleaner sealant



- Adjustable screw tightening increases product lifespan

KT NO.	Overall length mm		
7CA81-30H	357	814	1 / 10



26:1 Thrust ratio



High Thrust Aluminum Tube Caulking Gun

7CA82-30

- Suitable for 310ml cartridges or bulk
- Professional caulk gun with 18:1 high thrust ratio
- Includes nozzle and pad
- 350kgs maximum thrust power, perfect for applying thicker materials, adhesives
- Application: glass, windowsill, bathroom, etc.

KT NO.	Overall length mm		
7CA82-30	352	965	1 / 10



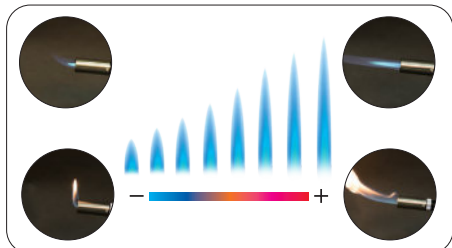
18:1 Thrust ratio



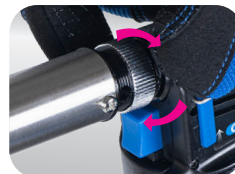
Butane Torch

6BB11

- Adjustable flame length with a maximum temperature of 1300°C / 2450°F and will operate on a single fill for 60~90 minutes
- Quick and easy to refill gas only 5 seconds
- A ceramic partition in the nozzle, fast heat dissipation and high safety
- Aluminium body, lightweight and portable
- Built in child proof safety lock system
- Applications include soldering, brazing, heat shrink tubing, frozen locks, fusing rope ends, camping, etc...
- Suitable for workshops, factories and daily professional use
- Anti-flare gas flow tube
- Piezo ignition for instant flame



• Refilling gas



• Turn the air flow control switch to change the fire type



• Push the safety latch up



• Turn the gas flow control switch counter-clockwise



• Press the ignition button

KT NO.	Gas Capacity (ml)	Operation Time (min)	Gas Type	flame Temp °C/°F	Dimension L x W x H (mm)		
6BB11	34	60~90	Butane	1300 / 2450	122 x 70 x 168	400	12 / 24

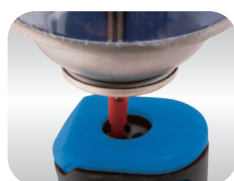
Cordless Butane Gas Glue Gun

6BJ21

- Self-regulating temperature system, avoiding the glue keeping coming out to stuck the nozzle or drip everywhere
- Fast-heating in 2 to 3 Minutes
- Quick and easy to refill gas only 3s, keeps running for approximately 1.5 hours
- Front top heater design for safety usage
- Portable and cordless for convenient application
- Passed the 250 hour continuous work durability test
- Included 2 PC. 11mm glue stick
- Suitable for wood workings, household repairs, artificial flowers, models, art and decorations etc...
- Optional glue stick 6BJ901, pack by 10 PC.
- Ergonomic comfort grip



6BJ21



• Refilling gas



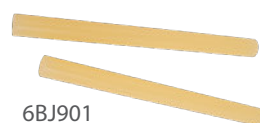
• Turn the gas switch on



• Press the ignition button and wait 2-3 min (Make sure the indicator on)



• Automatic temperature control turns off at 180° and turns on under 160°



6BJ901

KT NO.	Gas Capacity (ml)	Operation Time (min)	Glue size (mm)	Gas Type	Operating Temp °C	Dimension(mm) L x W x H		
6BJ21	6.8	90	11	Butane	160-180	175 x 36 x 155	241	1 / 10
6BJ901	-	-	11	-	-	Ø11 x 150mm	140	10



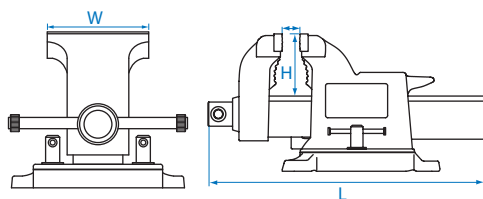
360° Cast Steel BenchVise & Display Rack

9TZ11

- Cast steel body and slide ideal for heavy duty applications
- Ductile cast iron screw pitched acme thread ensures long life and positives action
- Serrated jaws design provides good grip
- 360° swivel base allows operator to approach any direction



- Applicable for round shape objects



KT NO.	mm	inch	W mm	H mm	L mm	Kg	
9TZ11-04	146	4"	104	57	310	7.50	1
9TZ11-05	166	5"	130	67	365	11.00	1
9TZ11-06	200	6"	155	76	422	14.50	1
9TZ11-08	225	8"	200	89	492	18.00	1
9TZ11-10	250	10"	250	102	572	25.60	1
9TZ11-12	300	12"	305	127	655	33.00	1

Steel Wire Brush Set

9CZ201-S



20
PC.

Contents		Kg	
9CZ201	x 20 PC.	2.70	1 / 8

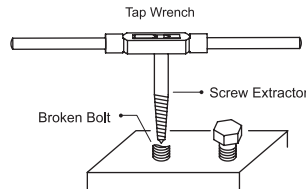
Broken Screw Extractor Set

11205SQ

- A quick and easy way to remove broken screw, pipe, bolt and stud

100 25 / 100

5
PC.



KT NO.	Capacity		L mm
	mm	inch	
2127-06M	M3~M6	1/8~1/4	51.5
2127-08M	M6~M8	1/4~5/16	58.0
2127-11M	M8~M11	5/16~7/16	66.0
2127-14M	M11~M14	7/16~9/16	73.5
2127-18M	M14~M18	9/16~3/4	81.0

11208SQ

- Quick and easy to remove broken screw, pipe, bolt and stud

829 6 / 24

8
PC.



KT NO.	Capacity		L mm
	mm	inch	
2127A-06M	M3~M6	1/8~1/4	51.5
2127A-08M	M6~M8	1/4~5/16	58.0
2127A-11M	M8~M11	5/16~7/16	66.0
2127A-14M	M11~M14	7/16~9/16	73.5
2127A-18M	M14~M18	9/16~3/4	81.0
2127A-24M	M18~M24	3/4~1	91.0
2127A-33M	M24~M33	1~1-3/8	106.0
2127A-50M	M33~M50	1-3/8~2	112.0

Broken Screw Extractor and Drill-Bit Set

11310SQ

- Material : Drill-Bit(HSS), screw extractor(GCr15)
- Metal case size (mm) :
149 x 115 x 24 (0.014 cuft)

Contents		Kg	
		0.4	1 / 40
	ø2.5, ø3, ø4.5, ø6, ø8		
	#1	M3 - M6 1/8" - 1/4"	
	#2	M6 - M8 1/4" - 5/16"	
	#3	M8 - M11 5/16" - 7/16"	
	#4	M11 - M14 7/16" - 9/16"	
	#5	M14 - M18 9/16" - 3/4"	

10
PC.



Speed Out Broken Screw Extractor Set

11406SQ

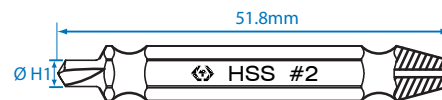
- For stripped, broken, stuck or damaged screw removal
- Size includes: #0, #1, #2, #2, #3, #4
- High hardness HSS material makes drilling easier and faster
- The screw extractor set is tested with quality, efficiency, durability and stability

82 12 / 96

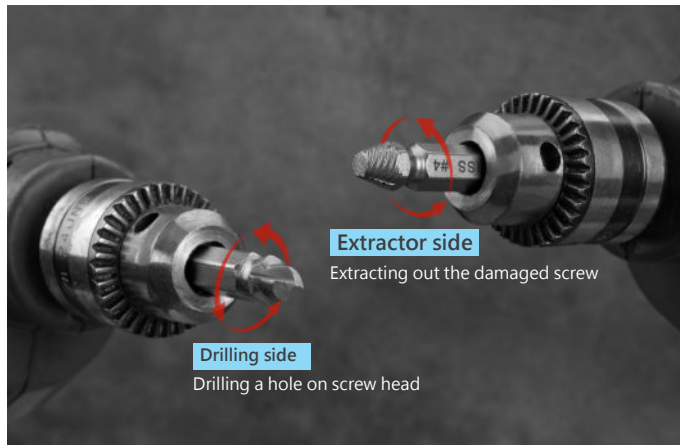
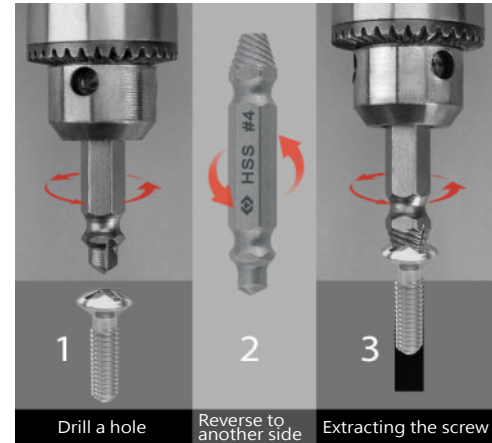
Specifications	Drill Size Ø H1	Suitable for Screw Diameter
HSS #0	2.5	2-3mm
HSS #1	3.0	3-5mm
HSS #2	3.5	4-8mm
HSS #2	3.5	4-8mm
HSS #3	4.0	5-10mm
HSS #4	6.0	6-12mm



6
PC.



3 steps:

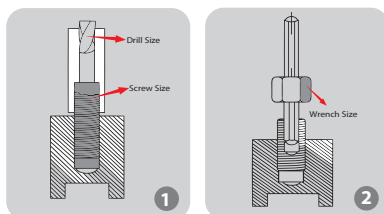


Broken Screw Extractor & Drill Set

11225SQ

- Easy to remove 5~14 mm broken screws
- 15 PC. HSS drill bit & center guide
- 10 PC. extractor pin & nut

0.79 1 / 20

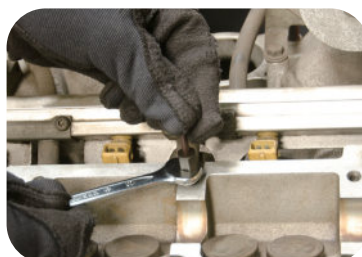


25
PC.

Blow case size (mm) :
260 x 175 x 60 (0.096CUFT)



- Use the guide to drill a pilot hole in the center of broken screw



- Put on extractor nut turning out broken screw with wrench

Nut Splitter Set

9TD062

- For removing stubborn nuts or over tightened bolts without damaging the bolt thread
- Suitable for nuts to a tensile class 6
- Do not overtighten to prevent damage to the threads under the nut

 0.61  /  12 / 36

KT NO.	Capacity Inch	mm	Hex (mm)
9TD602	1/2"~5/8"	12~16	14
9TD603	5/8"~7/8"	16~22	19



9TD064

Blow case size (mm) :
260 x 175 x 60 (0.096CUFT)

 1.89  /  1 / 12

KT NO.	Capacity Inch	mm	Hex (mm)
9TD601	5/16"~1/2"	9~12	12
9TD602	1/2"~5/8"	12~16	14
9TD603	5/8"~7/8"	16~22	19
9TD604	7/8"~1-1/8"	22~27	21



1/2" DR. Damaged Nuts Remover Socket & Set

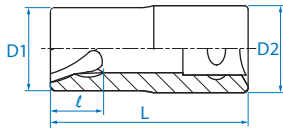


Can't be used with
pneumatic wrench

9TD403

1/2"

- Made of top quality SNCM alloy steel, provide good wear resistance and durability
- Ideal for the removal of rounded, damaged or corroded nuts, bolts, oil drain plugs, marine nuts and bolts, exhaust manifold nuts, pipe nozzle, and studs
- No need for pounding, chisels or torches



KT NO.	D1 mm	D2 mm	l mm	L mm		
9TD403-10M	16.0	22	8	50	76	10 / 180
9TD403-12M	18.0	22	11	50	78	10 / 180
9TD403-13M	20.0	22	11	50	85	10 / 180
9TD403-14M	21.0	22	11	50	88	10 / 180
9TD403-17M	24.5	25	15	50	113	10 / 180
9TD403-19M	27.0	27	15	50	124	8 / 80
9TD403-21M	29.4	27	16	50	139	8 / 80
9TD403-22M	30.5	27	17	50	140	8 / 80
9TD403-23M	31.8	27	17	50	119	8 / 80
9TD403-24M	33.0	27	17	50	143	8 / 80
9TD403-27M	36.0	27	18	50	145	8 / 80

9TD

1/2"



9TD034MR

4
PC.



9TD035MR

5
PC.



9TD036MR

6
PC.

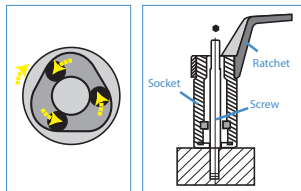


KT NO.	Contents		
9TD034MR	21, 22, 23 27	0.58	4/36
9TD035MR	12, 13, 14, 17, 19	0.52	
9TD036MR	10, 12, 13 14, 17, 19	0.60	

Roller Stud Extractor Socket & Set

9TD401
1/2"

- For tightening or loosening studs



KT NO.	mm	D1 mm	D2 mm	L mm	kg	1/30
9TD401-06M	6	24.5	21	60	131	10 / 180
9TD401-08M	8	24.5	21	60	128	10 / 180
9TD401-10M	10	27.5	21	69.5	180	12 / 120
9TD401-12M	12	27.5	21	69.5	179	12 / 120

9TD014MR
1/2"

- 4 stud drivers for sizes M6, M8, M10 and M12

0.83 1 / 30

Blow case size (mm) :
210 x 111 x 49 (0.04CUFT)

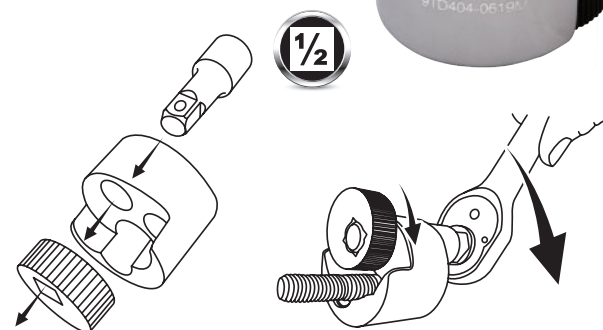

4 PC.

Stud Remover Tool

9TD404-0619M

- Stud range: 6-19mm (1/4" - 3/4")
- Allows for easy removal of studs. Turn extractor with a ratchet, wrench or socket to engage the cam and stud, then pull out stud

0.64 1 / 24



Long Twist sockets set

- For removing damaged wheel nuts and locking nuts. Especially useful on deep seated wheel nuts on modern alloys
- Twisting socket design is easily to remove stripped lug nut
- Straight kick out bar 12x160mmL
- Length:146mm

9TD164MR
4 PC.

Contents

1.36 1 / 8

	9TD406	17, 19, 21
	7641206P	

9TD165MR
5 PC.


•Grip and remove damage bolt



•Kick out grip bolt by punch ground or hammer

Contents

1.70 1 / 8

	9TD406	17, 19, 21, 22
	7641206P	

Aviation Tin Snips

74010~74060

- Special drop forged CRMO with induction hardened edges 62HRC
- Blades with serrated edges fast cuts in sheet metal, aluminum, and much more
- Cut 1.2mm cold-rolled steel (18GA) low carbon steel
- Non-slip color code grips for superior control
- 74040 Notching bulldog style with higher cutting ability
- 74060 Extra-long compound action style compare to tin snips
 - Special laborsaving design
 - High tensile strength
 - High torsional strength spring
 - Solid and comfortable handle with non-slip design
 - Hang-up hole for convenient storage
 - Safety auto latch (D.PAT.)



74010



74020



74030



74040



74060

KT NO.	Overall length mm	Cutting length mm	Color of handle	Copper (soft)	Cutting capacities (mm)				
					Cold-rolled steel (soft)	Hard steel HRC 30 (Hard)	Stainless steel304		
74010	248	35	Red	1.50	1.20	0.80	0.70	375	6 / 48
74020	248	35	Green	1.50	1.20	0.80	0.70	375	6 / 48
74030	250	38	Yellow	1.50	1.20	0.80	0.70	380	6 / 48
74040	230	25	Yellow	2.00	1.60	1.20	1.20	370	6 / 36
74060	290	75	Orange	1.10	0.94	0.70	0.53	450	6 / 36

Figure Tin Snips

74250~74270

- Special drop forged CRMO with induction hardened edges 63HRC
- Blades with serrated edges fast cuts in sheet metal, aluminum, and much more
- Cut 1.5mm cold-rolled steel (16GA) low carbon steel
- Non-slip color code grips for superior control
 - Special laborsaving design
 - High tensile strength provided
 - High torsional strength spring designed
 - Solid and comfortable handle with non-slip design
 - Hang-up hole for convenient storage
 - Safety auto latch (D.PAT.)



74250



74260



74270

KT NO.	Overall length mm	Cutting length mm	Color of handle	Copper (soft)	Cutting capacities (mm)				
					Cold-rolled steel (soft)	Hard steel HRC 30 (Hard)	Stainless steel304		
74250	260	35	Orange	1.80	1.50	1.00	0.90	480	6 / 36
74260	260	35	Blue	1.80	1.50	1.00	0.90	480	6 / 36
74270	260	35	Yellow	1.80	1.50	1.00	0.90	480	6 / 36



Straight Pattern Snips

74410~74416

- Drop forged of finest quality steel induction hardened edges 60HRC
- Cuts straight flat face guides tool along straight line
- Blades individually hand edged for maximum cutting efficiency
- Cushion handle for comfort and better grip



74410 ~ 74416

KT NO.	Overall length mm	Cutting length mm	Copper (soft)	Cutting capacities (mm)		Stainless steel304	g	
				Cold-rolled Steel (soft)	Hard steel HRC 30 (Hard)			
74410	254	51	0.94	0.78	0.60	0.45	480	6 / 36
74412	305	70	1.15	0.91	0.70	0.63	650	6 / 24
74414	356	76	1.41	1.20	1.00	0.70	780	6 / 24
74416	415	63	2.00	1.60	1.20	1.00	1700	3 / 12

Curved Tin Snips

74512

- Drop forged of finest quality steel induction hardened edges 60HRC
- Double curved, hollow ground blades reduce friction for easier cutting
- British Gilbow type
- Cushion handle for comfort and better grip

74514



74512 / 74514

KT NO.	Overall length mm	Cutting length mm	Copper (soft)	Cutting capacities (mm)		Stainless steel304	g	
				Cold-rolled steel (soft)	Hard steel HRC 30 (Hard)			
74512	305	60	1.15	0.91	0.70	0.63	670	6 / 24
74514	356	65	1.40	1.20	1.00	0.70	920	6 / 24

Duckbill Pattern Snips

74613

- Drop forged of finest quality steel induction hardened edges 60HRC
- Cuts moderately tight curves left, right or straight in light stock
- Blades individually hand edged for maximum cutting efficiency
- Cushion handle for comfort and better grip



KT NO.	Overall length mm	Cutting length mm	Copper (soft)	Cutting capacities (mm)		Stainless steel304	g	
				Cold-rolled steel (soft)	Hard steel HRC 30 (Hard)			
74613	330	72	1.20	0.84	0.61	0.61	720	6 / 24

Saw

7911-12

- Sliding metal bow
- Lightweight, resistant to oxidization and oil
- Two blade positions 45° and 90° including flush cut
- Ergonomic handle with hand stop
- Handle material : Zinc frame, soft grip TPR handle



KT NO.	Adjustable blade length (mm)	Overall length mm	g	
7911-12	300	400	637	6 / 36

Saw

7921-12

- Sliding metal bow
- Handle material : ABS+TPR
- Lightweight & anti-slippery
- Four blade positions 45°, 90°, 135°, 180° including flush cut
- Spare blades can be stored



KT NO.	Adjustable blade length (mm)	Overall length mm		
7921-12	300	510	555	12 / 24

File

7510G

- Flat file



KT NO.	Size mm		L mm			
75101-08G	8		200	4.8	20.0	188 2 / 40
75101-10G	10		250	5.7	23.6	292 2 / 40
75102-08G	8		200	4.8	20.0	190 2 / 40
75102-10G	10		250	5.7	23.6	293 2 / 40

7520G

- Half round file



KT NO.	Size mm		L mm			
75201-08G	8		200	6.7	19.9	190 2 / 40
75201-10G	10		250	7.0	23.5	292 2 / 40
75202-08G	8		200	6.7	19.9	184 2 / 40
75202-10G	10		250	7.0	23.5	291 2 / 40

7530G

- Round file



KT NO.	Size mm		L mm			
75302-08G	8		200	7.2	127	2 / 40
75302-10G	10		250	9.2	172	2 / 40

7540G

- Triangle file



KT NO.	Size mm		L mm			
75402-08G	8		200	13.0	175	2 / 40
75402-10G	10		250	14.9	284	2 / 40

7550G

- Square file



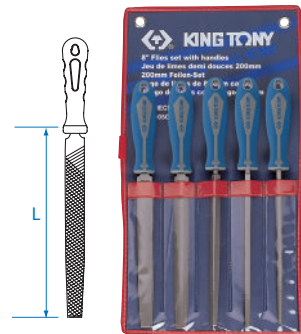
KT NO.	Size mm		L mm			
75501-08G	8		200	7.5	130	2 / 40
75501-10G	10		250	9.5	210	2 / 40
75502-08G	8		200	7.5	128	2 / 40
75502-10G	10		250	9.5	205	2 / 40

File Set

1005GQ

- Bastard cut
- Designed for steel, cast iron, brass, and hard plastics
- Pouch material : Nylon

1015GQ



5 PC.

KT NO.	Contents	L inch		
1005GQ (for 8")	75102-08G 75402-08G 75202-08G 75502-08G 75302-08G	8"	0.9	1 / 20
1015GQ (for 10")	75102-10G 75402-10G 75202-10G 75502-10G 75302-10G	10"	1.4	1 / 8



Needle File Set

- Pouch material : PVC

1036ZQ

- Perfect for filing off sharp edges, reshaping cuts or reaming drilled holes
- #60 grit diamond coating surface



6
PC.

Contents

L
mm



75135-06	75435-06			
75235-06	75535-06	160	95	10 / 120
75335-06	75035-06			

Tapered Reamer

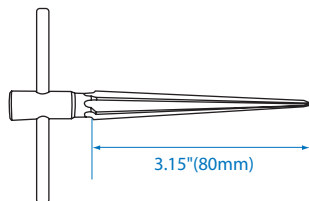
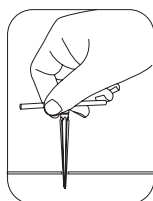
7E61001

- For deburring and sizing the diameter of holes 1/8" to 3/8"
- Suitable for metal, wood or plastic

70



24 / 96



Threaded Coil-Insert Repair Set

11311MQ

- Thread tap for most common metric size : M5, M6, M8 and M10
- Used for repairing and restoring damaged threads
- Suitable for machine, engine and other automotive repair applications



119
PC.

Metal case size (mm) : 350 x 216 x 40

Contents



2.78



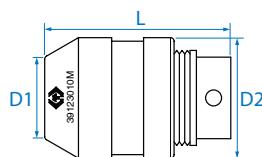
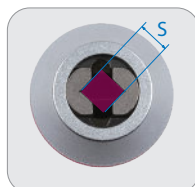
1 / 5

	Screw-Coil:	
	M5x0.8x1.5D(L:7.5mm)	25 PC.
	M6x1.0x1.5D(L:9mm)	25 PC.
	M8x1.25x1.5D(L:12mm)	25 PC.
	M10x1.5x1.5D(L:15mm)	25 PC.
	Tap:	
	M5x0.8	1 PC.
	M6x1.0	1 PC.
	M8x1.25	1 PC.
	M10x1.5	1 PC.
	Tang Punch:	
	M5x0.8	1 PC.
	M6x1.0	1 PC.
	M8x1.25	1 PC.
	M10x1.5	1 PC.
	Drill:	
	5.2mm	1 PC.
	6.3mm	1 PC.
	8.3mm	1 PC.
	10.4mm	1 PC.
	Main Tool:	
	M5x0.8	1 PC.
	M6x1.0	1 PC.
	M8x1.25	1 PC.
	M10x1.5	1 PC.
3571-08	3/8" drive sliding T-handle	
3764-55G	3/8" drive mini reversible ratchet	
39123010M	3/8" tap holder	

Tap Holder

3912M

- Used with reversible ratchet and T-handle
- Chuck mechanism hold compatible tap drills
- Used for metal working screw thread



KT NO.	Drive	S(mm)		D1	D2	L			
		min.	max.	mm	mm	mm			
39123010M	3/8"	2.0	6.0	23.0	34	53.0	221	4	64
39123012M	3/8"	4.0	9.0	23.0	34	53.0	223	4	64
39124012M	1/2"	6.0	12.0	25.3	38	52.4	265	4	64
39124016M	1/2"	12.0	17.0	34.0	48.3	52.3	280	1	48

Drill-Bit Set

11325SQ

- Material : HSS
- Metal case size (mm) :
197 x 115 x 58 (0.046 cuft)

Contents		1.23	1 / 20
Drill - Bit		1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13	



25
PC.

Tap and Drill-Bit Set

11328SQ

- Material : Drill-Bit(HSS), Tap(GCr15)
- Metal case size (mm) :
195 x 115 x 57 (0.045 cuft)

Contents		1.05	1 / 20
Drill - Bit		2.5, 3.3, 4.2, 5, 6.8, 8.5, 10.2	
Tap		M3x3, M4x3, M5x3, M6x3, M8x3, M10x3, M12x3	



28
PC.



Tap & Die Set

12916MQ1

- Material : SK5 alloy steel
- 1 PC. Tap wrench(M3-M12, 1/8"~1/2")
- 1 PC. Die stock 25mm(1")
- Tap : M3~M12
- Die : M3~M12

Contents		Kg 0.78	1 / 20
12939MQ-A	M3x0.5, M4x0.7, M5x0.8, M6x1.0, M8x1.25, M10x1.5, M12x1.75	12939MQ-A01	25mm (1")
12939MQ-A		12939MQ-A02	M3~M12 (1/8"~1/2")



16 PC.

12939MQ1

- Material : SK5 alloy steel
- 1 PC. Tap wrench(M3-M12, 1/8"~1/2")
- 1 PC. "T" Type tap wrench(M3-M6, 1/8"~1/4")
- 1 PC. Die stock 25mm(1")
- 1 PC. Screw driver
- 12939MQ1-
1 PC. Screw pitch gauge (0.5-28)
Tap : M3~M12 / Die: M3~M12
- 12939SQ1-
1 PC. Screw pitch gauge(12-40)
Tap : 1/8"~1/2" / Die : 1/8"~1/2"



12939SQ1



39 PC.

KT NO.	Contents		Kg 1.4	1 / 10
12939MQ1	12939MQ-A	12939MQ-A06 / M3x0.5, 12939MQ-A07 / M3x0.6, 12939MQ-A08 / M4x0.7, 12939MQ-A09 / M4x0.75, 12939MQ-A10 / M5x0.8, 12939MQ-A11 / M5x0.9, 12939MQ-A12 / M6x0.75, 12939MQ-A13 / M6x1.0, 12939MQ-A14 / M7x0.75, 12939MQ-A15 / M7x1.0, 12939MQ-A16 / M8x1.0, 12939MQ-A17 / M8x1.25, 12939MQ-A18 / M10x1.25, 12939MQ-A19 / M10x1.5, 12939MQ-A20 / M12x1.5, 12939MQ-A21 / M12x1.75, 12939MQ-A22 / 1/8NPT27	12939MQ-A01	25mm (1")
	12939MQ-A	12939MQ-A23 / M3x0.5, 12939MQ-A24 / M3x0.6, 12939MQ-A25 / M4x0.7, 12939MQ-A26 / M4x0.75, 12939MQ-A27 / M5x0.8, 12939MQ-A28 / M5x0.9, 12939MQ-A29 / M6x0.75, 12939MQ-A30 / M6x1.0, 12939MQ-A31 / M7x0.75, 12939MQ-A32 / M7x1.0, 12939MQ-A33 / M8x1.0, 12939MQ-A34 / M8x1.25, 12939MQ-A35 / M10x1.25, 12939MQ-A36 / M10x1.5, 12939MQ-A37 / M12x1.5, 12939MQ-A38 / M12x1.75, 12939MQ-A39 / 1/8NPT27	12939MQ-A02	M3~M12 (1/8"~1/2")
	12939MQ-A03	0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1.0, 1.25, 1.5, 1.75, 27, 28	12939MQ-A04	M3~M6 (1/8"~1/4")
12939SQ1	12939SQ-A	4NS36, 6NC32, 8NC32, 10NC24, 10NF32, 12NC24, 1/4NC20, 1/4NF28, 5/16NC18, 5/16NF24, 3/8NC16, 3/8NF24, 7/16NC14, 7/16NF20, 1/2NC13, 1/2NF20, 1/8NPT27	12939MQ-A05	
	12939SQ-A	12, 13, 14, 16, 18, 20, 24, 27, 28, 32, 36, 40		





LIGHTING







Wireless Charging Slim Lamp

9TA267W

- 10W COB + 1W SMD (Top)
- White light color, kelvin : 6500K
- Material : Nylon+PC+TPE
- 360° Adjustable base
+180° hiding hook + Strong magnetic base
- Rechargeable battery : 3.7V - 4500mAh Li-ion battery
- Accessory : Type-C USB charging cable
- Four leds battery indicator
- Charging time : 4 hours by charger and 6~8 hours by wireless charging base
- Can be charged with wireless charging pad 9TA92W (not included)

1000
Lumen

10W

3-15h

Li-ion
4500mAh
3.7V

4h

1K07

CE
RoHS

Switch mode	Lumen	Operating hours
Top light	100 lm	15h
One light	500+500 lm	12~6h
Two light	250~500 lm	3h



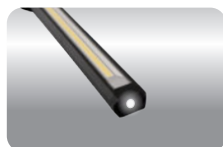
- One light source



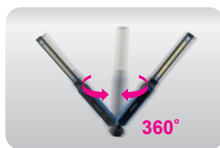
- Both side can be lit at the same time



- 180° hiding hook



- Top light



- 360° swivel head in vertical



- Wireless charging design



Front

Back

Contents

Wireless Charging Slim Lamp x 1 PC.

Type-C USB cable x 1 PC.

KT NO.	L mm		
9TA267W	400	335	1 / 20

Wireless charging Dual-Light Pocket Lamp

9TA44W

- 8W COB LED + 3W SMD
- White light color, kelvin : 6500K
- Dual light and spot mode, flood mode
- IP65 waterproof and dustproof, IK07 vandalproof
- 180° flexible handle + super strong magnet on the handle
- Rechargeable battery : 3.7V - 2600mAh Li-ion battery
- Accessory : Type-C USB fast charging cable
- 3 LED battery status indicators
- Charging time : 4 hours by USB cable, 6-7 hours by wireless charging base(The charging time depends on the changing power of the wireless charging base)
- Can be charged with wireless charging pad 9TA92W(not included)



RoHS

Switch mode	Lumen	Operating hours
Spot light	250 lm	4.5h
Flood light low	160 lm	10h
Flood light mid	400 lm	4.5h
Flood light high	800 lm	2.5h



- LED battery status indicators



- 180° flexible direction



- Super strong magnet on the handle



- Easy to carry



- Wireless charging design

Contents

Dual - light pocket lamp		x 1 PC.
Type-C USB cable		x 1 PC.

KT NO.	L mm		
9TA44W	97 x 83 x 39	218	1 / 24



10W Wireless Charging Flashlight

9TA71W

- Chips: High quality 10w LED, 6500K
- Switch mode:
 - Spot Light mode (Eco-Low-Mid-High)
 - Strobe mode: press and hold the switch for two seconds
- Battery: rechargeable high quality 3.7V 2600mAh Li-ion
- Charging time: 4 hours by charger and 6~8 hours by wireless charging base (The specific charging time depends on the power of the charging base)
- IP68 waterproof and IK07 vandalproof
- Features:
 - Wireless charging function
 - Super strong magnets on the light
 - Three LED battery indicators show the charging and working
- Working temperature: -10°C to +40°C
- Accessory: type-C fast charging cable
- Can be charged with wireless charging pad 9TA92W



RoHS



Switch mode	Lumen	Operating hours
Spot light eco	5 lm	200h
Spot light low	30 lm	25h
Spot light mid	400 lm	4h
Spot light high	1000 lm	2h



• Main switch



• Type-C USB charger port



• Wireless charging



• Hanging hole



• Press and hold the switch for two seconds



• Super strong magnets on the light

KT NO.	L mm	g	Box
9TA71W	160	215	1 / 24

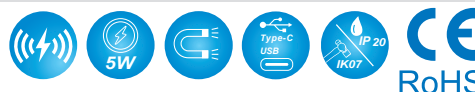
Contents

Flashlight		x 1 PC.
Type-C USB cable		x 1 PC.

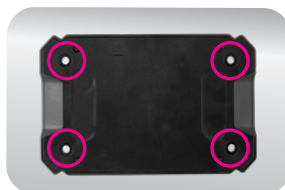
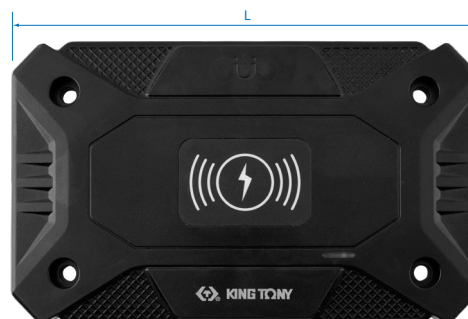
Wireless Charging Pad

9TA92W

- Output power: 5W
- IP20 waterproof and IK07 vandalproof
- Features:
 - Built-in screw holes for wall mounting
 - Super strong magnets in the front and back
 - LED battery indicator shows the charging and working
- Working temperature: -10°C to +40°C
- Accessory: Type-C charging cable and 5V1A USB adapter
- Can be used by wireless charging light 9TA267W/9TA44W/9TA71W



RoHS



• Built-in screw holes for wall mounting



• LED battery indicator shows the charging and working

KT NO.	Applicable area	L mm				
9TA92WA	 Europe	164	335	1	12	
9TA92WB	 America & Asia		335	1	12	
9TA92WD	 Australia & New Zealand		335	1	12	

Contents

5W output charger base		x 1 PC.
Type-C USB cable		x 1 PC.
5V1A USB charger		x 1 PC.

INSPECTION LIGHTS

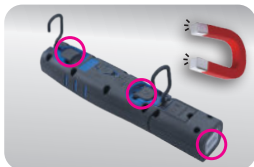
7W+4W Inspection Light

9TA242

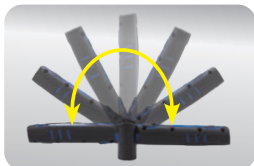
- Chips:
 - High quality 7W COB LED,6500K
 - High quality 4W SMD LED,6500K
- Switch mode: Top Torch-Main Light(Low-Mid-High)-Off
- Battery: rechargeable high quality 3.7V 2600mAh Li-ion
- Charging time: 4hr by charger
- IP65 waterproof and IK07 vandalproof
- Features:
 - 180° swivel base+Two 360° functional hooks
 - Two super strong magnets on the back and one on the base
 - Three LED battery indicators show the charging and working
- Working temperature: -10°C to + 40°C
- Accessory:Type-C USB Charging cable and 5V 1A USB charger



Switch mode	Lumen	Operating hours
Top light	200 lm	5h
Main light low	150 lm	8h
Main light mid	350 lm	4h
Main light high	700 lm	2h



- Two super strong magnets on the back and one on the base
- Two 360° functional hooks



Contents

Inspection lamp  x 1 PC.

Type-C USB cable  x 1 PC.

USB charger  x 1 PC.

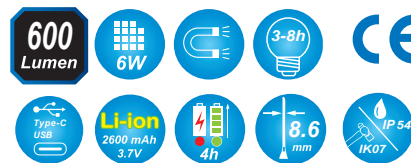
KT NO.	Applicable area	L mm	g	mm	mm
9TA242A	Europe	260	516	1	12
9TA242B	America & Asia	260	516	1	12
9TA242D	Australia & New Zealand	260	516	1	12



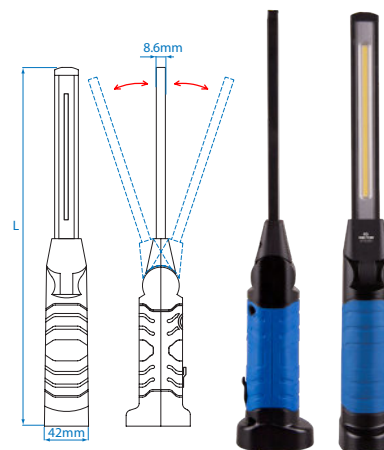
6W COB +1W SMD Slim Inspection Lamp

9TA261

- 6W COB + 1W SMD (Top)
- White light color, kelvin : 6500K
- IP54 waterproof and dustproof, IK07 vandalproof
- Materials : ABS plastic + rubber housing + PC lens + aluminium slim housing
- 120° Angle rotation & magnetic base
- Rechargeable battery : 3.7V - 2600mAh Li-ion
- Switch modes : Top light – Worklight low-Worklight high-Off
- Accessory : Type-C USB Charging cable and 5V 1A USB charger
- Charging time : 4 hours



Switch mode	Lumen	Operating hours
Top light	120 lm	8h
Main light low	250 lm	6h
Main light high	600 lm	3h



KT NO.	Applicable area	L mm		
9TA261A	 Europe	340	300	1 / 12
9TA261B	 America & Asia	340	300	1 / 12
9TA261D	 Australia & New Zealand	340	300	1 / 12

Contents

COB LED lamp		x 1 PC.
USB charger		x 1 PC.
Type-C USB cable		x 1 PC.

Aluminum Folding Slim Lamp

9TA268

- White light color, kelvin : 6500K
- Material : PA + Rubber + Aluminum housing
- 180°swivel head in vertical + Strong magnetic base
- Rechargeable battery : 3.7V - 2600mAh Li-ion battery
- Accessory : Type-C USB Charging cable and 5V 1A USB charger
- Three leds battery indicator / Charging time : 4 hours



Switch mode	Lumen	Operating hours
Top light	120 lm	8h
Main light low	150 lm	8h
Main light high	800 lm	2.5h
Minor light low	120 lm	9h
Minor light high	400 lm	4h



- Super strong magnets on the bottom

- Top light

- Three leds battery indicator

- 180°swivel head in vertical



bottom KT NO.		Applicable area	L mm			
9TA268A		Europe	200	193	1 / 40	
9TA268B		America & Asia	200	193	1 / 40	
9TA268D		Australia & New Zealand	200	193	1 / 40	

Contents

Pro Aluminium Rechargeable Slimlight		x 1 PC.
Type-C USB cable		x 1 PC.
Charger		x 1 PC.



Flexible LED Slim Light

9TA251

- 5W COB + 3W SMD (Top)
- White light color, kelvin : 6000K~6500K
- IP54 waterproof and dustproof, IK07 vandalproof
- Material : PA + TPE housing
- Flexible Gooseneck + 90° hiding hook + Strong magnetic base
- Rechargeable battery : 3.7V - 2600mAh Li-ion battery
- Accessory : Type-C USB Charging cable and 5V 1A USB charger
- Three leds battery indicator
- Charging time : 4 hours



Switch mode	Lumen	Operating hours
Top light	120 lm	9h
Main light Min ~ Max	50~500 lm	16~2h



- Top SMD
- USB charger port + battery indicator
- Strong magnetic + 90° Hook
- Stepless Dimmer Switch



KT NO.	Applicable area	L mm	g	Box
9TA251A	Europe	475	322	1 / 12
9TA251B	America & Asia	475	322	1 / 12
9TA251D	Australia & New Zealand	475	322	1 / 12

Contents

Flexible slim lamp		x 1 PC.
USB charger		x 1 PC.
Type-C USB cable		x 1 PC.



10W COB LED Adjustable Lamp

9TA33

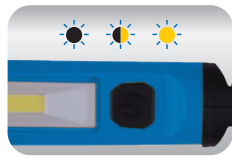
- White color, kelvin : 6500K
- Two steps adjustable light
- Material : ABS + PC
- IP20 waterproof and dustproof, IK07 vandalproof
- 170° magnetic swivel base + 360° body swivel knot + two 360° functional hooks
- Rechargeable battery : 7.4V - 2600mAh Li-ion
- Accessory : Type-C USB Charging cable and 5V 1A USB charger
- Charging time : 4.5 hours



Switch mode	Lumen	Operating hours
Low light	400 lm	5.5h
High light	1000 lm	2.2h



• 170° swivel base



• Two steps adjustable light



• Magnetic swivel base



• body swivel knot

KT NO.	Applicable area	L mm	g	kg	Box / Carton
9TA33A	Europe	500	487	1 / 12	
9TA33B	America & Asia	500	487	1 / 12	
9TA33D	Australia & New Zealand	500	487	1 / 12	



Contents

10W COB LED adjustable lamp		x 1 PC.
USB charger		x 1 PC.
Type-C USB cable		x 1 PC.

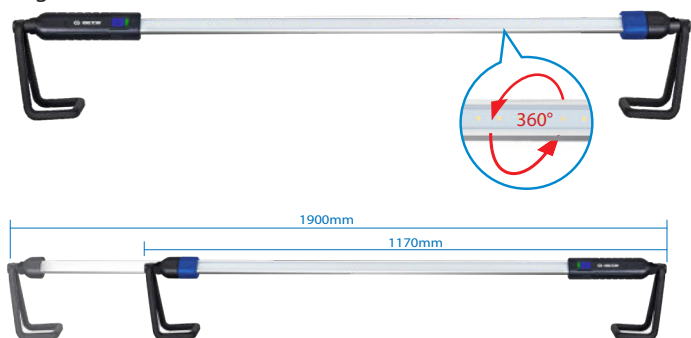
LED Rechargeable Underhood Light

9TA34

- 20W SMD
- White color, 50x Super bright SMD LED, 6500K
- Material : Aluminum body + PA
- IP20 waterproof and dustproof, IK07 vandalproof
- Features :
 - Durable housing, Hooks with Rubber, and lens
 - 3 leds battery level indicator
- Battery: 3.6V4800mAh Li-ion battery with Type-C USB socket
- Accessory: Type-C USB Charging cable and 5V 2A USB charger
- Charging time : 4 hours



Switch mode	Lumen	Operating hours
Low light	500 lm	6.5h
Mid light	1000 lm	4h
High light	2000 lm	2h



KT NO.	Applicable area	L mm	g	kg	Box / Carton
9TA34A	Europe	1170	1666	1 / 6	
9TA34B	America & Asia	1170	1666	1 / 6	
9TA34D	Australia & New Zealand	1170	1666	1 / 6	
9TA34P01	3.6V4800mAh	70	1 / 1		

Contents

360° Rotational Bar		x 1 PC.
5V/2A charger		x 1 PC.
Type-C USB		x 1 PC.
4800mAh Battery		x 1 PC.

HEAD TORCHES

Lightweight Rechargeable Neck Light

9TA54

- White light color, kelvin : 6500K
- IP54 waterproof and dustproof, IK07 vandalproof
- Features:
The Neck light is lightweight, adjustable and comfortable around your neck
The 2 light head can be adjusted independently up to 120° for a wider Lighting
Circuit protection prevents battery from over-charging or over-discharging
- Rechargeable battery : Rechargeable high quality 3.7V 700mAh Li-ion
- 3 colors LED battery level indicator show the battery level
Red Blinking: Low battery power warning
Green Blinking: charging
Green: Fully charged
- Charging time : 2.5 hours
- Temperature: -10°C to +40



Switch mode	Lumen	Operating hours
Low light	180 lm	5.5h
High light	350 lm	2.2h



- Lightweight, adjustable, comfortable
- 3 Colors LED indicator
- 120° Adjustable light head
- Type - C USB port

KT NO.	L mm	g	Box
9TA54	230 x 130 x 45	140	1 / 12

Contents

Lightweight Rechargeable Neck Light		x 1 PC.
Type-C USB cable		x 1 PC.

Rechargeable LED Beanie Hat

9TA56

- Made of 100% acrylic, help you resist the cold wind, keep your head and ear warm
- Elastic material, fits for most of head circumference
- 3.7V 250mAh rechargeable Li-Polymer battery
- 4 built-in LED bulbs with 3 adjustable brightness level
- With reflective strip to make you easily be noticed in the dark
- Suitable for all kinds of outdoor activities
- Charging time : 2 hours



- Simply pop it out and charge it



Switch mode	Lumen	Operating hours
Low light	30 lm	6h
Mid light	60 lm	4h
High light	170 lm	2h



- Socket
- Laptop
- Car Charger
- Power Bank



- reflective strip



3W COB LED Inductive Head Lamp

9TA52

- White light color, kelvin : 6500K
- IP65 waterproof and dustproof
- Materials : High impact ABS + TPE housing + PC lens & non-skid grip belt
- Feature : 10cm Smart motion sensor
- Rechargeable battery : 3.7V - 1500mAh Li-po
- LED battery charging indicator
- Charging time : 2.5 hours
- Accessory : Type-C USB Charging cable and 5V 1A USB charger



Switch mode	Lumen	Operating hours
Low light	100 lm	5.5h
High light	280 lm	2h



• Two step adjustable light



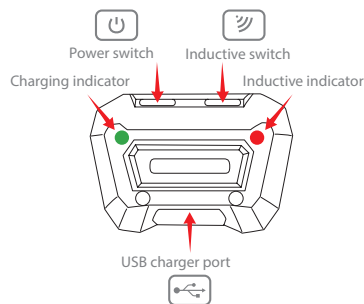
• 60° Adjustable lighting



• Inductive indicator ON



• Inductive light switch



KT NO.	Applicable area	L mm	g	mm	g
9TA52A	Europe	65	110	1	40
9TA52B	America & Asia	65	110	1	40
9TA52D	Australia & New Zealand	65	110	1	40

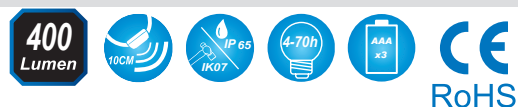
Contents

COB LED lamp		x 1 PC.
Headband		x 1 PC.
USB charger		x 1 PC.
Type-C USB cable		x 1 PC.

Twin-Beam Multifunctional Head Lamp

9TA53

- White light color, kelvin: 6500K
- Dual light mode, spot mode, flood mode
- IP65 waterproof and IK07 dustproof
- Materials : High impact ABS + PC housing + PC lens & non-skid grip belt
- Feature : 10 cm Smart motion sensor + 60° adjustment
- Battery : AAA alkaline battery (included)



Switch mode	Lumen	Operating hours
Spot light	20~400 lm	60~5h
Flood light	20~200 lm	60~4h
Red LED	0.5~20lm	70~10h
SOS light	strobe	



• Inductive light switch



• 60° Adjustable lighting



• Strobe for signaling



Contents

COB LED lamp		x 1 PC.
Headband		x 1 PC.
AAA alkaline battery		x 3 PC.

KT NO.	L mm	g	mm	g
9TA53	68.8	89	1	12

FLASHLIGHTS

1.5W COB +1 LED Lamp

9TA28

- 1.5W COB + 1W LED
- 180° magnetic swivel base + 270° magnetic swivel clip
- Rechargeable battery : 3.7V - 800mAh Li-ion
- Accessory : Type-C USB Charging cable
- Overcharge/Discharge protection
- Materials : ABS+PC
- Charging time : 2 hours
- White light color, kelvin : 7200K



Switch mode	Lumen	Operating hours
Top light	80 lm	3.5h
Main light	145 lm	2h



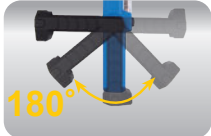
• magnetic base



• USB charger port



• Top light with 1 LED



• 180° swivel clip

KT NO.	L mm	g	pcs / box
9TA28	180	160	12 / 48

• Magnetic swivel clip

270°



Contents

1.5W COB + 1 LED rechargeable work lamp		x 1 PC.
Type-C USB cable		x 1 PC.

Rechargeable LED Pen Light

9TA281

- 1.5W -7 SMD + 1W SMD (Top)
- White light color, kelvin : 6500K
- IP20 waterproof and dustproof, IK07 vandalproof
- Material : ABS housing + Rubberized painting + PC lens
- Strong magnet on the clip
- Rechargeable battery : 3.7V 750mAh Li-ion
- Led charging indicator : Red -Charging, Green -Fulled
- Charging time : 2 hours
- Accessory : Type-C USB Charging cable



Switch mode	Lumen	Operating hours
Top light	80 lm	4h
Main light	120 lm	2.5h



KT NO.	L mm	g	pcs / box
9TA281	170	58	1 / 48



Contents

LED pen light		x 1 PC.
Type-C USB cable		x 1 PC.



LED Pocket Torch

79815

- 3W High performance LED adjustable focus pocket torch
- Strobe warning lights for maximize visibility
- Aluminum alloy body, safety lanyard included
- Operates using 3 x AAA batteries (not included)

Switch mode	Lumen	Operating hours
Main light	120 lm	6.5h



KT NO.	L x Ø mm	g	Box / Carton
79815	128 x 28	95	1 / 100

LED Pen Light

79831

- Pen light with 6 PC. SMD(surface-mount devices) LED
- ABS body 360 degree rotation
- PE lampshade : avoid nebulization
- Operates using 3 x AAA batteries (not included)

Switch mode	Lumen	Operating hours
Main light	135 lm	5.5h



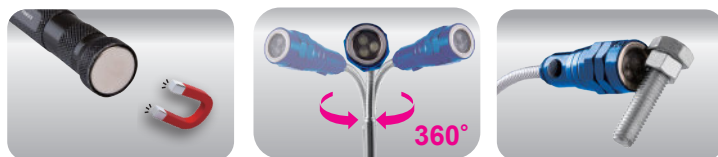
KT NO.	L x W x H mm	g	Box / Carton
79831	165 x 25 x 30	58	10 / 120



LED Telescopic Torch

79833

- 3 LEDs, white light color
- Magnetic torch with 360° flexible head
- Extends up from 170mm to 560mm
- 4 x LR44 batteries included



KT NO.	L x Ø mm	g	Box / Carton
79833	170 x 22	100	10 / 120

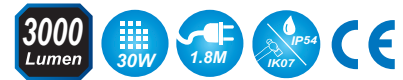




30W Wired COB LED Site Light

9TA42

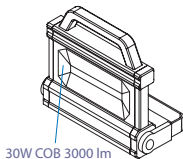
- 30W COB LED floodlight with portable handle
- White light color, kelvin : 6000~7000K
- Pass IP54 test
- Slim profile with lockable adjustment and 180° swivel base
- Option to wall mount or tripod stand at work sites
- Accessory : AC adapter cable 1.8M



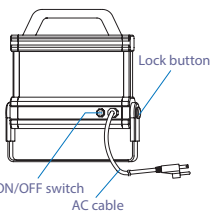
Switch mode	Lumen
Main light	3000 lm



• Swivel base



30W COB 3000 lm



Lock button

ON/OFF switch
AC cable



KT NO.	Applicable area	L x H x W mm			
9TA42A	Europe	238 x 270 x 46	1239	1 / 6	
9TA42B	America & Asia	238 x 270 x 46	1239	1 / 6	
9TA42D	Australia & New Zealand	238 x 270 x 46	1239	1 / 6	



45W Twin Head SMD Site Light

9TA45

- 45W 120 PC. SMD LED
- White light color, kelvin : 5700K
- 90° vertical rotation & 180° horizontal rotation for angle of lighting
- Rechargeable battery : Replaceable 14.8V 5200 mAh Li-ion battery pack
- Accessory : 100-240V to 20V 1.1A charger
- 5 LED battery status indicator & USB 5V 2A output
- Charging time : 4.5 hours
- Material : PA + ABS + PC



Switch mode	Lumen	Operating hours
Work light 25%	750 lm	12h
Work light 50%	1500 lm	6h
Work light 75%	3000 lm	3h
Work light 100%	4500 lm	2h



- 180° horizontal rotation
- 90° vertical rotation
- Replaceable battery



- Power bank in case of emergency
- Anti-slip handle
- Option to fixation

KT NO.	Applicable area	L x W x H mm		
9TA45A	Europe	288 x 176 x 131	2140	1 / 4



Contents

45W Twin Head SMD Site Light x 1 PC.

AC charger x 1 PC.

Battery pack x 1 PC.

40W COB Bluetooth Speaker Site Light

9TA46

- 40W COB LED
- White light color, kelvin : 6500K
- 140° vertical rotation + hiding hook on the bottom
- High performance integrated 10W Bluetooth speaker
- Rechargeable battery : 11.1V 5200 mAh Li-ion
- Accessory : 100-240V to 15V 1.5A charger
- 5 LED battery status indicator & USB 5V 2A out put
- 1 LED Bluetooth indicator
- Quick charging time : 3.5 hours
- Material : TPE + PA + aluminum + PC



Switch mode	Lumen	Operating hours
Eco light	400 lm	20h
Full power light	4000 lm	2h
Music mode	-	5~8h



- AC Charger
- Bluetooth on & battery indicator
- Anti-slip handle



- Option to fixation
- Hiding Hook
- 140° vertical rotation

KT NO.	Applicable area	L x W x H mm		
9TA46A	Europe	210 x 210 x 100	1450	1 / 4



Bluetooth 4.0 10M

Contents

40W COB Bluetooth Speaker Site Light x 1 PC.

AC charger x 1 PC.



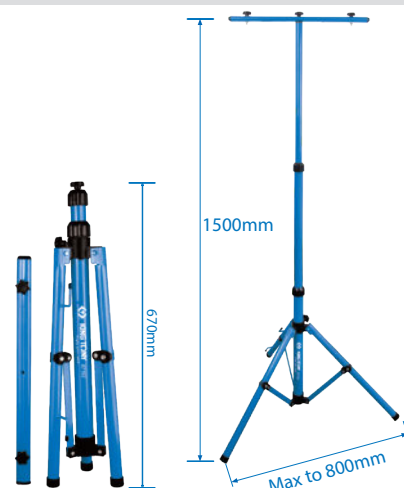
ACCESSORIES



Adjustable Tripod for Site Light

87162

- Can hold one light or 2 lights (with T-Bar)
- Durable heavy duty steel tripod body
- Three section tube diameter : 25mm / 32mm / 38mm
- Adjustable tripod height from 700mm to 1500mm
- Portable, easy to fold and great for transportation
- It is recommended to use with 9TA42 / 9TA45 / 9TA46 / 9TA48 (This product dose not contain lamps, please buy separately)

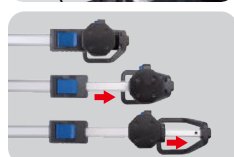


KT NO.	Tube Diameter (mm)	Loading Weight (kg)	Folded Length (mm)	Max height (mm)		
87162	38	3.0	700	1500	650	1 / 6

Detachable Underhood Light Shelf

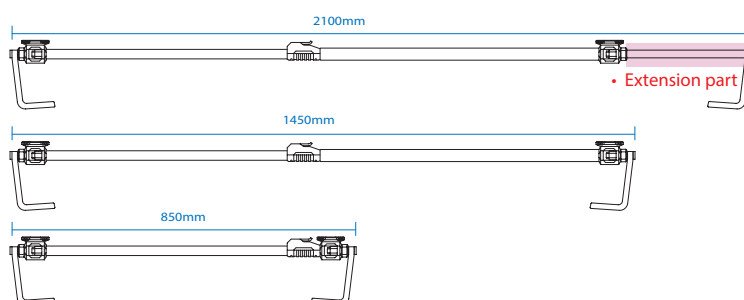
87163

- Two movable base fit all kinds of magnetic lights
- 360° horizontal rotating base for different lighting angle
- Three section length adjustment fit variety of occasions
- Durable heavy duty aluminum body + PA
- Anti-sliding clasp handle
- It is recommended to use with 9TA44W (This product dose not contain lamps, please buy separately)



- Three section length adjustment fit variety of occasions

- 360° horizontal rotating base for different lighting angle



KT NO.	Width (mm)	Height (mm)	Folding length (mm)	Extendable length (mm)		
87163	110	180	850	2100	1300	1 / 6



AUTOMOTIVE TOOLS



Tool Trolley Contents

286
PC.



Contents No. 934-010MRVD

kg 28.8 CUFT 2.97

- Special tool set for Automobile, suitable for VOLKSWAGEN-GROUP, MERCEDES-BENZ, OPEL, BMW & Japanese passenger car



9-3544MRV #9 P.79



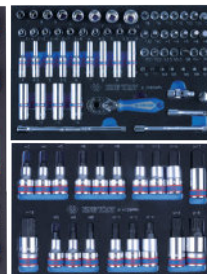
9-4537MRV #9 P.80



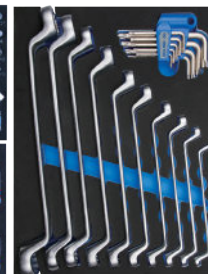
9-4147PRV
#10 P.88



9-4401MPV
#10 P.88



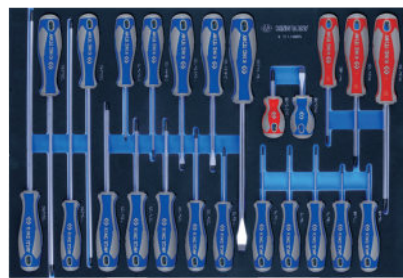
9-2565MRV #7 P.76
9-4129PRV #7 P.77



9-90119MRV #9 P.82



9-1220MRV #9 P.81



9-31124MRV #6 P.122



9-40104GPV
#10 P.88



9-40113GPV
#10 P.88



9-90135MRV
#10 P.88



9-90118PRV
#10 P.89



Tool Trolley Set

286
PC.



kg 92.8
CUFT 15.21



934-010MRV
(87434-7B P.37)



934-010MRV-G
(87434-7B-G P.37)



934-010MRV-B
(87434-7B-B P.37)



kg 98.8
CUFT 15.21



9634-010MRV
(87634-7B P.39)



9634-010MRV-G
(87634-7B-G P.39)



9634-010MRV-B
(87634-7B-B P.39)



ALFA ROMEO

Diesel Engine Setting & Locking Set

9AT2006E

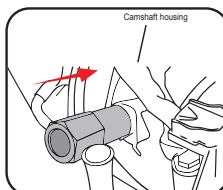
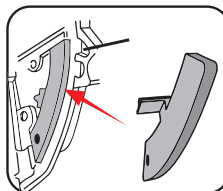
- The set includes flywheel holding tool, crankshaft locking tool and camshaft setting tools
- Suitable for Lancia, Alfa Romeo and Fiat engine
- Use to set and lock engine timing



1360 1 / 10

MODEL:
145 (98-01), 146 (98-01), 147 (01-09)
156 (97-08), 159 (05-09), 166 (98-08)
GT (04-09), Brera (05-09), Spider (06-09)
Crosswagon (04-08)

ENGINE CODE:
1.9JTD 8v.
323.02, 371.01, 182B9.000, 937A2.000
937A3.000, 939A1.000, 939A2.000,
939A7.000
1.9JTD 16v.
192A5.000, 192B1.000, 937A4.000
937A5.000, 939A2.000, 939A8.000
2.4JTD 10v.
325.01, 342.02, 362.02, 839A6.000
841C.000
2.4JTD 20v.
841G.000, 841H.000, 841M.000
939A3.000, 939A9.000



CONTENTS :

- A&C&D - crankshaft locking tool
- B - flywheel holding tool (crank pulley removal)
- E - camshaft setting tool (pair)

BMW

Petrol Engine Twin Camshaft Setting & Locking Set

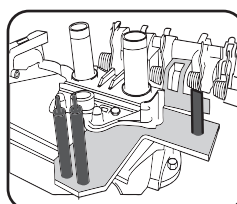
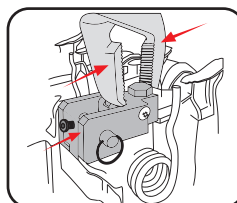
9AT1018E

- The set includes camshaft / carrier bracket remover & installer tools
- Suitable for BMW petrol 1.8 and 2.0 N42 / N46 (chain) engine

4400 1 / 3

MODEL:
118i. E87 (04-08)
120i. E87 (04-08)
316i. E46 (01-05)
316ti. Compact E46 (01-05)
318i. E46 (01-07)
318ti. Compact E46 (01-05)
318i. E90 (05-08)
X3. 2.0i E83 (05-08)
Z4. 2.0i E85 (04-08)
520i. E60 (04-08)
320i. E90 (05-08)

ENGINE CODE: N42 / N46
B18, B18A, B20, B20A, B20B



CONTENTS :

- A&H&I - camshaft/carrier bracket
- Mounting fixture
- B - inlet camshaft securing tool (rear)
- C&F - torsion spring remover/installer
- D&E - inlet camshaft securing tool (front)
- G - intermediate lever clamp set (8 PC.)



Petrol Engine Twin VANOS Service Set



9AT1009E

- The set includes compressed air connector, twin VANOS setting tool and sprocket / chain assembly fixture, timing adjustment plate, pre-load tools
- Suitable for setting / locking popular BMW petrol engine
- Use to adjust engine timing and set / lock engine application



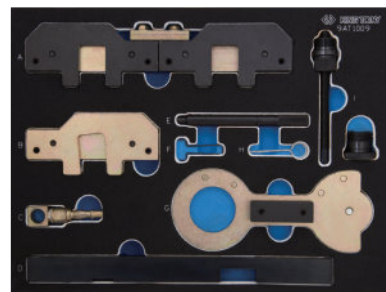
5966 1 / 3

MODEL:

318is. E36 (92-99)
 318ti Compact E36 (94-01)
 320i. E36 / E46 (92-07)
 323i. E36 / E46 (95-01)
 325i. E36 / (92-07)
 328i. E36 / E46 (95-01)
 330i. E46 (00-07)
 520i. E39 / E60 (96-05)
 523i. E39 (96-00)
 525i. E39 / E60 (00-05)
 528i. E39 (96-00)
 530i. E39 / E60 (00-05)
 728i. E38 (94-02)
 730i. E65 (02-05)
 Z3. (E36) 1.9-3.0 (96-03)
 Z4. (E85) 2.2-3.0 (03-06)
 X3. (E83) 3.0 (03-06)
 X5. (E53) 3.0 (99-07)

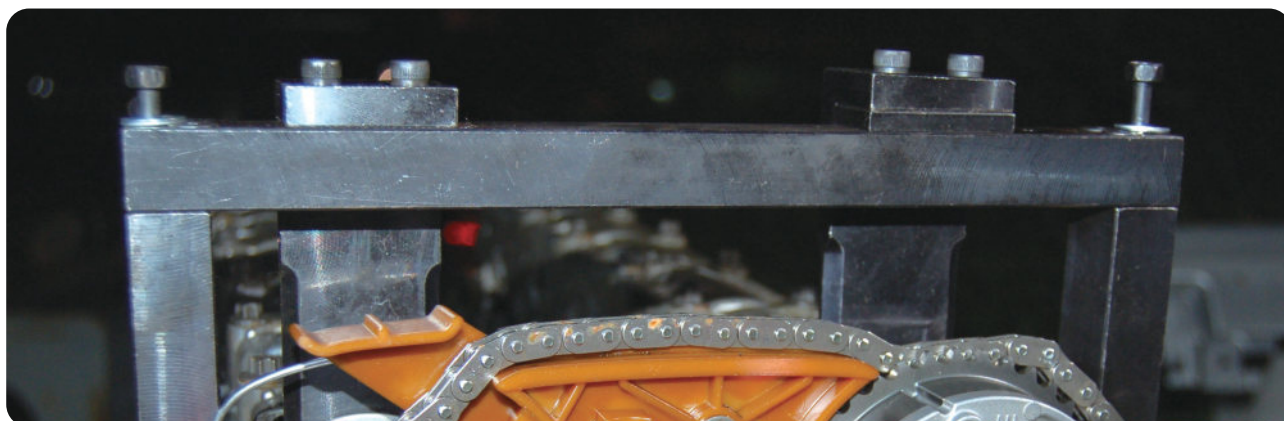
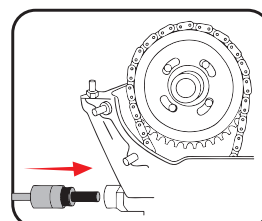
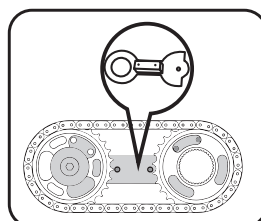
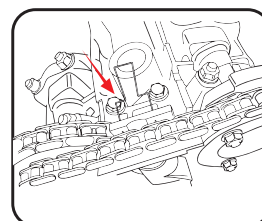
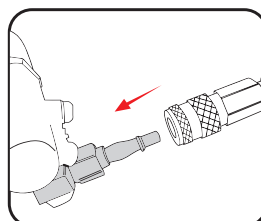
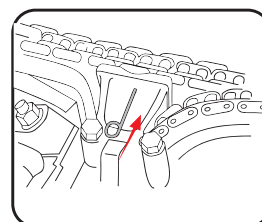
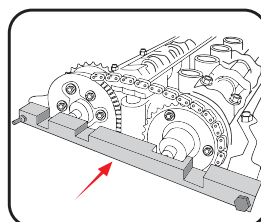
ENGINE CODE:

M42 / M44 / M50 / M52
 no VANOS (VVT)
 18 4S 1, 19 4S 1, 20 6S 2(Early),
 25 6S 2(Early)
 M50 / M52
 Single VANOS (VVT) variants
 20 6S 2(Later)
 20 6S 3
 25 6S 2(Later)
 M52(TU) / M54 / M56
 Twin VANOS (VVT) variants
 20 6S 4
 22 6S 1
 25 6S 4



CONTENTS :

- A - camshaft setting plate
- B - timing adjustment plate
- C - compressed air connector
- D - sprocket / chain assembly fixture
- E - flywheel locking pin
- F - tensioner pin (M50)
- G - twin VANOS setting tool
- H - tensioner pin (M52)
- I - tensioner tool



Petrol Engine Twin Camshaft Setting & Locking Set



9AT1102E

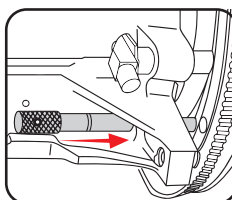
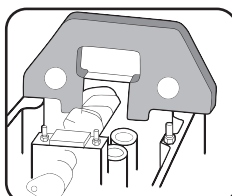
- The set includes camshaft locking plate and flywheel locking pin
- Suitable for M40 engines (also used on the M43 chain driven engine)
- Use to lock the camshaft and crankshaft TDC position to keep their timing relationship while replacing timing belt or carry out other timing belt service



1901 1 / 10

MODEL:
 316i E36 / E46 (93-04)
 316i Compact E36 / E46 (98-01)
 318i E36 / E46 (93-01)
 518i E34 (94-96)
 Z3 1.8 / 1.9 E36 (96-03)

ENGINE CODE:
 M43
 16 4E 2, 16 4E 3
 18 4E 2, 19 4E1



CONTENTS :
 • A - camshaft locking plate
 • B - flywheel locking pin

Petrol Engine 1.8 To 3.0 Twin Cams Setting & Locking Set



9AT1106E

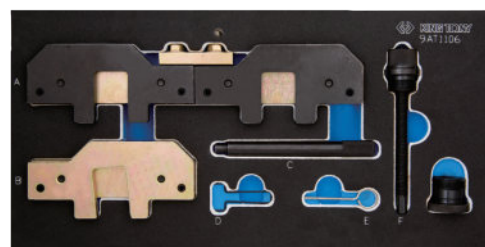
- The set includes camshaft setting plate, timing adjustment plate, pre-load tool, flywheel locking pin and tensioner pin
- Suitable for setting / locking popular BMW petrol engine
- Suggestion:
 Use with 9AT1-A02 wrench while using this kit on SINGLE VANOS system (on inlet camshaft)
 Use with 9AT1303 while using this set on TWIN VANOS system



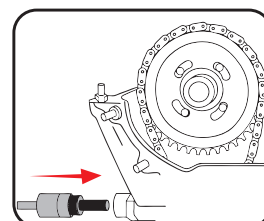
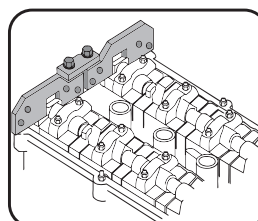
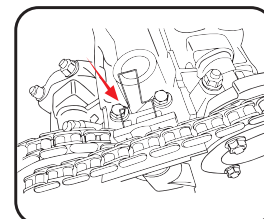
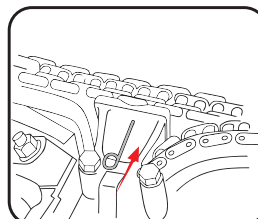
3781 1 / 5

MODEL:
 318is. E36 (92-99)
 318ti Compact E36 (94-01)
 320i. E36 / E46 (92-07)
 323i. E36 / E46 (95-01)
 325i. E36 / E46 (92-07)
 328i. E36 / E46 (95-01)
 330i. E46 (00-07)
 520i. E39 / E60 (96-05)
 523i. E39 (96-00)
 525i. E39 / E60 (00-05)
 528i. E39 (96-00)
 530i. E39 / E60 (00-05)
 728i. E38 (94-02)
 730i. E65 (02-05)
 Z3. (E36) 1.9-3.0 (96-03)
 Z4. (E85) 2.2-3.0 (03-06)
 X3. (E83) 3.0 (03-06)
 X5. (E53) 3.0 (99-07)

ENGINE CODE:
 M42 / M44 / M50 / M52 no VANOS (VVT)
 18 4S 1, 19 4S 1, 20 6S 2(Early), 25 6S 2(Early).
 M50 / M52 Single VANOS (VVT) variants
 20 6S 2(Later), 20 6S 3, 25 6S 2(Later),
 25 6S 3, 28 6S 1
 M52(TU) / M54 / M56 Twin VANOS (VVT) variants
 20 6S 4, 22 6S 1, 25 6S 4, 25 6S 5, 28 6S 2, 30 6S 3



CONTENTS :
 • A - camshaft setting plate
 • B - timing adjustment plate
 • C - flywheel locking pin
 • D - tensioner pin (M50)
 • E - tensioner pin (M52)
 • F - tensioner tool



Petrol Engine Timing Setting & Locking Set



9AT1206E

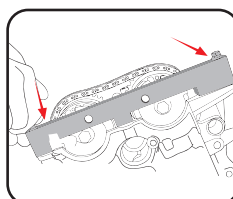
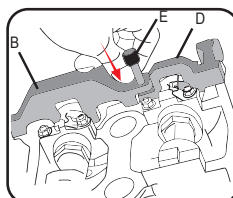
- The set includes VANOS alignment plate, camshaft setting tools, flywheel locking pin and timing chain tensioner pre-load tool
- Suitable for 1.6 BMW, 4 cylinder twin camshaft 16v and chain driven petrol engines with VANOS
- Use to check and adjust engine timing



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MODEL: 116i, E81 E87 (03-09)
316i, E46 / E90 (01-08)
316Ci, E46 (01-06)
316ti, E46 (01-05)

ENGINE CODE: N40 / N45 / N45T
B16, B16A, B16AC



CONTENTS :

- A - VANOS alignment plate
- B - camshaft setting plate (inlet)
- C - timing chain tensioner pre-load tool
- D - camshaft setting plate (exhaust)
- E - camshaft setting plate securing screw
- F - flywheel locking pin

Diesel Engine 2.5TDS Timing Set



9AT2106E

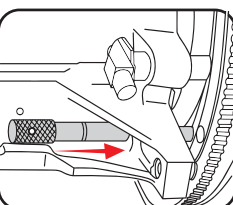
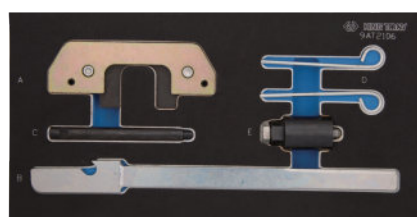
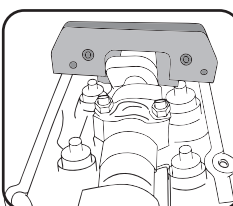
- The set includes camshaft setting plate, tensioner lever, tensioner retaining pin, flywheel locking pin and pump remove & sprocket retainer
- Suitable for BMW, Land Rover and Opel engine
- Use to retain and support the sprocket and timing chains in correct position when the pump is removed



2480 1 / 5

MODEL: 1.7 2.5td / tds (Chain)
318tds, E36(94-00)
325td / tds, E36(91-99)
525td / tds, E34(90-00)
725tds, E38(95-02)

ENGINE CODE: 1.7 2.5td / tds (Chain)
M41 / M51



CONTENTS :

- A - camshaft setting plate
- B - tensioner lever
- C - flywheel locking pin
- D - tensioner retaining pin
- E - pump remove & sprocket retainer (2 part)



BMW/ MINI

Petrol Engine Setting & Locking Set – BMW/PSA

9AT1010E

- The set includes camshaft setting tool, crankshaft locking pin & chain tensioner tool
- Suitable for BMW Mini and PSA Peugeot Citroën 1.4/1.6 16v valvetronic direct injection engines
- Use to lock and adjust engine timing



BMW Mini Cooper N12/N14



2384



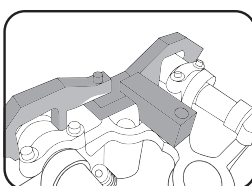
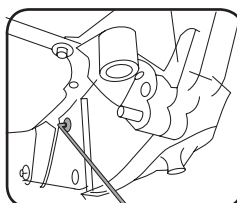
1 / 5

MODEL:

Clubman(07-14)
Countryman(14-16)
Paceman(14-16)
Roadster(12-12)

ENGINE
CODE:

N12 1.4/1.6(Valvetronic)
B14, B14AB, B16A
N14 1.6(Direct Injection)
B16A, B16CD/TD, B16TD, B16CD



CONTENTS :

- A – camshaft setting tool (inlet)
- B – camshaft setting tool (exhaust)
- C – camshaft setting tool
- D – camshaft setting clamp
- E – crankshaft locking pin
- F – chain tensioner tool
- G – M10 screw*4

BMW/ MINI

Petrol Engine Timing Set

9AT1108E

- Use for BMW & Mini 1.6 litre chain drive petrol engine
- Includes the cam & crankshaft locking tools and chain pre-tension setting tools for TDC position
- Suitable for BMW (N13) & Mini (N18) engines



2527



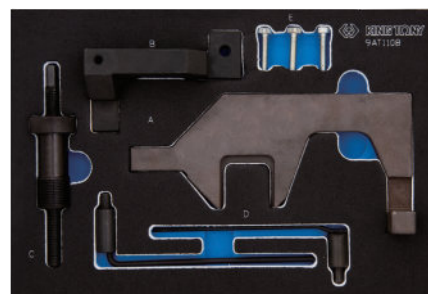
1 / 10

MODEL:

BMW 1 Series
114i F20(2012-15), 116i F20 (2012-15),
118i F20 (2011-15)
BMW 3 Series
316i F30 (2012-15)
MINI
Cooper S (R56/57) (2010-15)
Coupe Cooper S (R58) (2012-15)
Roadster (R59) (2012-15)
Countryman (R60) (2012-16)
Paceman (R61) (2013-16)
Clubman (R55) (2011-14)

ENGINE
CODE:

N13
B16A
N18
B16/M0, B16A, B16A/M0, B16A/MO, B16C,
B16C/TO, B16M0



CONTENTS :

- A – camshaft locking tool
- B – camshaft locking tool
- C – chain tensioner tool
- D – crankshaft locking pin



Diesel Engine Timing Locking Set



9AT2107E

- The set includes camshaft alignment tool, flywheel locking tool, crankshaft pulley turning tool, and also high pressure pump sprocket removal tool
- Suitable for BMW N47 / N47S / N57 2.0 and 3.0 twin camshaft diesel chain drive engine
- Use to set & lock the camshaft and crankshaft when adjusting valve timing on engine correctly



1730 1 / 10

MODEL:

1 Series

116d/118d/120d/123d

E81/82/87/88 (07-12)

3 Series

316d/318d/320d/325d/330d/330xd

E90/91/92/93 (07-12)

5 Series

520d E60/61 (07-10)

525d/530d/535d F10/11 (10-12)

530d GT/535d GT F07 (09-12)

7 Series

730d/730Ld/740d/740d xDrive

F01/02/04 (08-12)

X Series

X1 sDrive 18d/20d E84 (09-12)

X1 xDrive 18d/20d/23d E84 (09-12)

X3 20d E83 (07-10)

X3 xDrive 1.8d/30d E83 (08-12)

X5 30d/xDrive 40d E70 (10-12)

X6 xDrive 30d/40d E71/72 (10-12)

ENGINE
CODE:

N47 / N47S

D20A

D20B

D20T0

D20O0

D20U0

N57

D30U0

D30O0

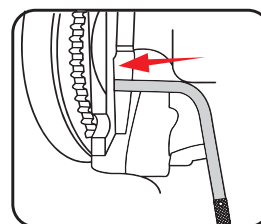
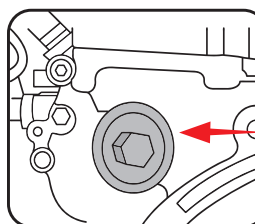
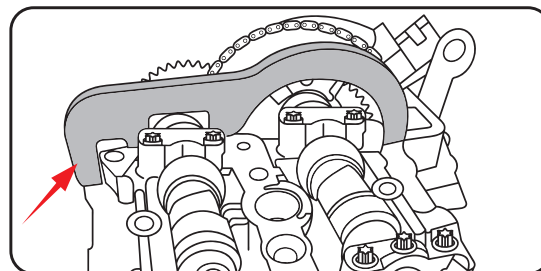
D30O1

D30T0



CONTENTS :

- A – camshaft Alignment Tool
- B – flywheel Locking Tool
- C – crankshaft Turning Tool
- D/F – high pressure pump sprocket removal tool
- E – tensioner Locking Pin



Petrol Engine Timing Set



9AT1706E

- Use for BMW 2.0 litre chain drive petrol engine
- Includes the VANOS setting tools, camshaft locking tools and chain pre-tension setting tools for TDC position
- Suitable for BMW N20 & N26 engines



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BMW 1 Series

125i F20/21 (2012-14)

BMW 3 Series

320i/xDrive F30/31 (2012-14),

328i F30/31 (2012-14),

328i/xDrive F30/31 (2012-14)

BMW 5 Series

520i F10/11 (2010-14), 528i F10/11 (2013-14),

528i/xDrive F10/11 (2011-14)

X1

sDrive18i/20i E84 (2011-14),

xDrive20i/28i E84 (2011-14)

X3

xDrive20i/28i F25 (2011-14)

Z4

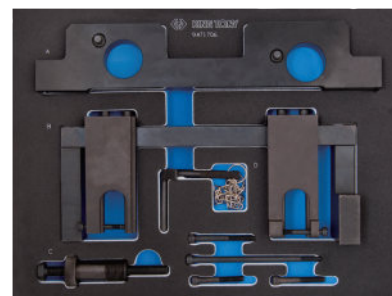
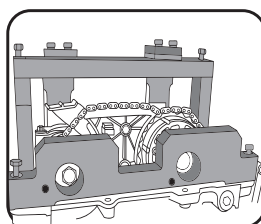
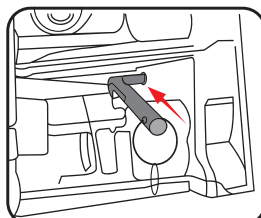
sDrive18i E89 (2013-14),

sDrive20i/28i E89 (2011-14)

MODEL:

ENGINE CODE:

N20 B20A, N20 B20B/U0, N20 B20O0, N26 B20



CONTENTS :

- A - VANOS alignments plate
- B - camshaft locking tool
- C - chain tensioner tool
- D - flywheel locking pin

MERCEDES-BENZ

Petrol Engine Timing Set



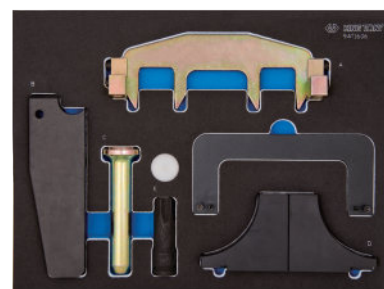
9AT1606E

- Use for 1.8 litre M271 chain drive petrol engine
- Includes chain tensioner adjust tools and cam pulley bit socket to hold the chain in place
- Suitable for Mercedes- Benz M271



3452 1 / 3

MODEL	ENGINE CODE
C-class 176 (2002-15)	271.820, 271.860, 271.861
C-class Coupe (2011-15)	271.921, 271.940, 271.941
CLC (2008-12)	271.942, 271.943, 271.944
CLK (2002-09)	271.946, 271.948, 271.950
E-class (2002-13)	271.952, 271.954, 271.955
E-class Coupe / Cabriolet (2004-13)	271.956, 271.957, 271.958
SLK (2004-15)	
Sprinter (2007-15)	271.951



CONTENTS :

- A - camshaft locking tool
- B - cam chain tensioner rail wedge tool
- C - cam chain tensioner drift
- D - cam chain retaining bridge
- E - camshaft pulley bit socket (T100)



Petrol Engine VANOS Engagement Wrench

9AT1-A02

- For BMW twin camshaft engines with single VANOS unit mounted on inlet camshaft

298 12 / 48

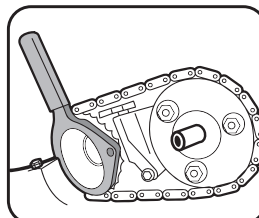


MODEL:

318is, E36 (92-99), 318ti Compact E36 (94-01)
320i, E36 / E46 (92-07), 323i, E36 / E46 (95-01)
325i, E36 / E46 (92-07), 328i, E36 / E46 (95-01)
330i, E46 (00-07), 520i, E39 / E60 (96-05)
523i, E39 (96-00), 525i, E39 / E60 (00-05)
528i, E39 (96-00), 530i, E39 / E60 (00-05)
728i, E38 (94-02), 730i, E65 (02-05)
Z3, (E36) 1.9-3.0 (96-03)
Z4, (E85) 2.2-3.0 (03-06)
X3, (E83) 3.0 (03-06), X5, (E53) 3.0 (99-07)

ENGINE CODE:

M50 / M52 Single VANOS (VVT) variants
20 6S 2(Later), 20 6S 3, 25 6S 2(Later)
25 6S 3, 28 6S 1



Diesel Engine Injection Pump Puller

9AT2-D01

- Specifically designed for holding the sprocket / chain in place when disassembling the VP44 injection pump and high pressure pump
- Common rail fits BMW engines

528 6 / 36

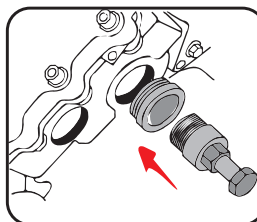


MODEL:

318d / Compact(E46)
320d / td Compact(E46)
330d(E46), 535d(E60 / E61), 730d(E38)
X5 3.0d(E53), 530d(E39 / E60 / E61)
525d(E39 / E60 / E61)

ENGINE CODE:

M47 / M57
1 Series E87, 3 Series E46 / E90
5 Series E39 / E60, 6 Series E63
7 Series E38 / E65, X3 E83 and E53 / E70



Petrol Engine Tension Adjustment Wrench Set (Via Water Pump)

9AT1202

- The set includes 41mm and 46mm tension adjust wrench
- Suitable for Vauxhall / Opel and Chevrolet engines

695 6 / 24

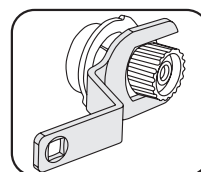


MODEL:

9AT1202-B(41mm)
Kalos (04-08), Aveo (06-08),
Espero / Aranos (95-97), Nexia (95-97)
Lanos (97-03), Nubira / Lacetti (97-09)
Cruze (2009)

ENGINE CODE:

1.4 A13DM A14MS F14S3
1.4 16v. F14D3,
1.5 G15MF
1.5 16v. A15DM A15SMS A15MF
1.6 16v. A16DM A16DMS F16D3 LXT



CONTENTS :

- A - tension adjustment wrench (46mm)
- B - tension adjustment wrench (41mm)



Petrol Engine Timing Alignment Set



9AT1112E

- The set includes camshaft locking tool, VANOS alignment plate, flywheel locking pin
- Suitable for BMW 2.5/3.0 liters chain drive six cylinder, twin cams 16v petrol engines
- Use to lock camshaft in TDC position when setting or adjusting engines timing

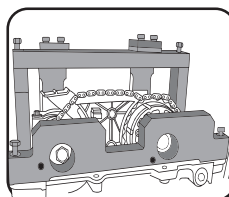
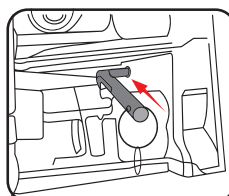


5900 1 / 3

MODEL:

128i. E82 (07-08)
130i. E81/87 (05-08)
135iS. E82 (07-08)
323i. E90/91/92/93 (04-08)
325i/xi. E90/91/92/93 (04-08)
328i/xi. E90/91/92/93 (04-08)
330i/xi. E90/91/92/93 (04-08)
335i/xi. E90/91/92/93 (05-08)
523i/Li. E60/61 (04-08)
525i/Li/xi. E60/61 (04-08)
528i/xi. E60/61 (06-08)
530i/Li/xi. E60/61 (05-08)
535i/xi. E60/61 (06-08)
630i. E63/64 (04-08)
730i/Li. E65/66 (04-08)
X3 2.5/3.0 E83 (06-08)
X5 3.0 E70 (06-08)
Z4 2.5/3.0 E85/86 (05-08)

ENGINE CODE: N51 / N52 / N52K (Valvetronic)
N53 / N54 (Direct Injection)



CONTENTS :

- A - VANOS alignment plate (Red for N53/N54, Silver for N51/N52/N52K)
- B - camshaft locking tool
- C - flywheel locking pin

PSA PEUGEOT CITROËN

Petrol Engine Setting & Locking Set – BMW/PSA

9AT1010E

- The set includes camshaft setting tool, crankshaft locking pin & chain tensioner tool
- Suitable for BMW Mini and PSA Peugeot Citroën 1.4/1.6 16v valvetronic direct injection engines
- Use to lock and adjust engine timing



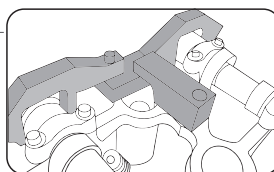
2384 1 / 5

MODEL:

Citroen
C4(08-11)
C4 Picasso(08-13)
Peugeot
207(06-11)
207CC(07-14)
308(07-14)
3008(09-12)
5008(09-11)

ENGINE CODE:

Citroen
8FR(EP3)
5FS(EP6)
Peugeot
EP3(8FS)
EP6(5FW)
EP6DT(5FX)
8FS(EP3)
EP6DTS(5FY)



CONTENTS :

- A – camshaft setting tool (inlet)
- B – camshaft setting tool (exhaust)
- C – camshaft setting tool
- D – camshaft setting clamp
- E – crankshaft locking pin
- F – chain tensioner tool
- G – M10 screw*4



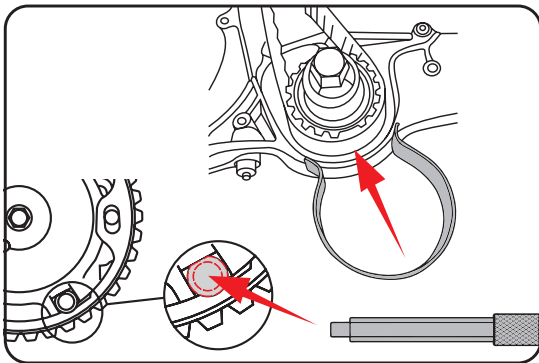
PSA PEUGEOT CITROËN

Petrol Engine Timing Set

9AT1021E

- The set includes special flywheel tools and cam/ crankshaft timing pin
- Use to replace timing belt engines of:
1.0 / 1.1 / 1.4 / 1.6 / 1.6VTS / 1.8 16v / 2.0 / 2.0 16V / 2.2
- Include PSA "EW coded" twin-cam 16v engine and HPI versions
- Suitable for PSA Peugeot / Citroen engines

2164 1 / 10



CONTENTS :

- A – timing belt retaining tool
- B – tensioner adjusting tool
- C – flywheel locking tool
- D – flywheel holding tool
- E – flywheel plate locking tool
- F – flywheel locking tool
- G – flywheel locking tool
- H – tensioner locking tool
- I – tensioner locking tool
- J – timing pin

PSA PEUGEOT CITROËN

Diesel Engine Setting Tool (Belt Drive)

9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen / Peugeot, Vauxhall / Opel



CONTENTS :

- A – TDC timing pin
- B – flywheel locking pin (2pc)
- C – tensioner retaining tool

112 12 / 120

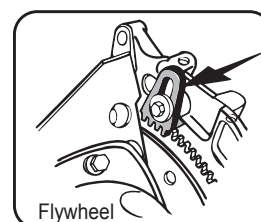
MODEL: 2.8D/Tdi/Hdi
Relay / Jumper (01-06)
Boxer (00-06)

ENGINE 8140.43
8140.43S
8140.63

Petrol & Diesel Engine Flywheel Holding & Locking Tool

9AT3-E02

- Used to remove the crankshaft pulley when replacing the timing belt
- The pulley retaining bolt is fitted with high torque and the flywheel must be securely locked during installation / removal
- Jamming tools into the teeth of the flywheel will cause serious damage to both teeth and housing



64 25 / 100

MODEL: Petrol 1.0 to 2.0 TU / XU (Belt)
XU 1.6 to 2.0
Diesel 1.50 to 2 .50 TUD / XUD (Belt)
XU1.6 to 2.0
XD1.8D to 1.9D

FIAT

Petrol Engine Setting & Locking Set

9AT1002E

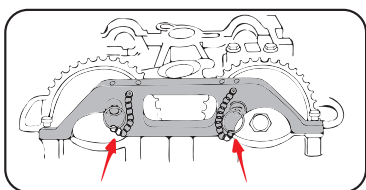
- The set includes camshaft setting tool and tensioner retaining pin
- Suitable for Vauxhall / Opel & Fiat engines
- Use to lock the camshafts on the correct timing position



1510 1 / 10

MODEL: Petrol 2.2 16v. Twin Cams(Chain)
Croma (05-09)

ENGINE CODE: Petrol 2.2 16v. Twin Cams(Chain)
194A1.000



CONTENTS :

- A - camshaft setting tool
- B - tensioner retaining pin

FIAT

Diesel Engine Setting & Locking Tool Set

9AT2006E

- The set includes flywheel holding tool, crankshaft locking tool and camshaft setting tools
- Suitable for Lancia, Alfa Romeo and Fiat engines
- Use to set and lock engines timing



1360 1 / 10

MODEL: Diesel
1.6JTD / 1.9JTD / 2.0JTD / 2.4JTD Multijet(Belt)
Punto (99-06), Grande Punto (05-09)
Idea (04-08), Brava/Bravo (98-02)
Linea (07-09), New Bravo (07-09)
Marea/Weekend (99-03), Stilo (01-06)
Croma (05-09), Multipla (99-07)
Doblo/Cargo (02-09), Palio Weekend (02-06)
Sedici (06-09), Strada Pick-Up (03-06)

ENGINE CODE:

1.6JTD 16v.
198A2.000, 198A3.000, 198A6.000
350A2.000

1.9JTD 8v.
182B4.000, 182B9.000, 186A6.000
186A8.000, 186A9.000, 188A2.000
188A7.000, 188B2.000, 192A1.000
192A3.000, 192A8.000

1.9JTD 8v.
192A9.000, 192B4.000, 192B5.000
199A5.000, 939A1.000, 939A5.000
939A7.000, 223A7.000

1.9JTD 16v.
192A5.000, 937A5.000, 939A2.000
939A8.000

2.0JTD 16v.
198A5.000

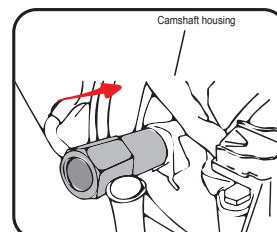
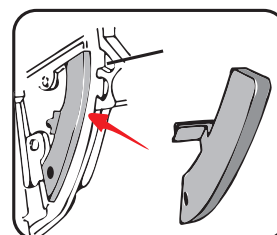
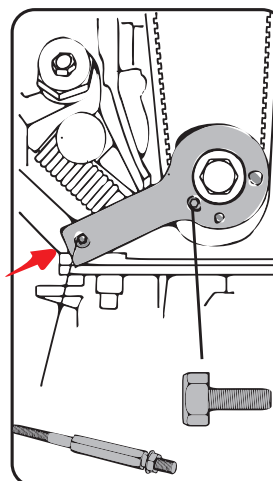
2.4JTD 10v.
185A6.000

2.4JTD 20v.
939A3.000



CONTENTS :

- A&C&D - crankshaft locking tool
- B - flywheel holding tool (crank pulley removal)
- E - camshaft setting tool (pair)



ENGINE SERIES

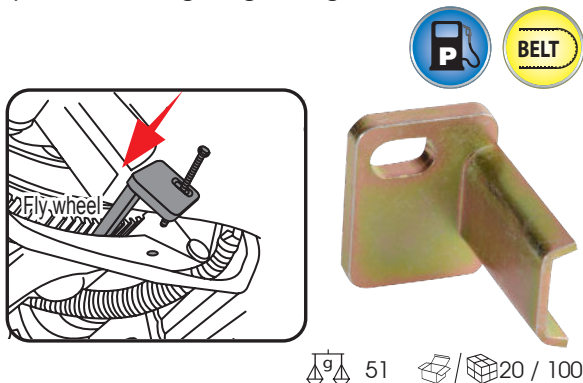


KING TONY

Petrol Engine Flywheel Holding Tool

9AT1-E01

- Use to lock the flywheel while removing and replacing the timing belt
- Put it into the teeth of the flywheel to hold the crankshaft up, while releasing or tightening the bolt



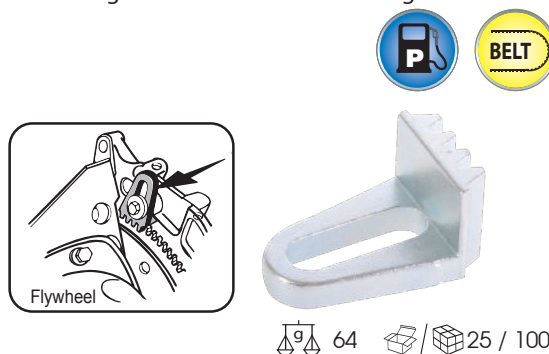
MODEL: Stilo (01-08), Brava / Bravo (95-02)
Marea / Weekend (96-03), Multipla (99-09)
Doblo / Cargo (02-06)

ENGINE CODE: 178B3.000, 182A4.000
182A6.000, 182B6.000

Petrol Engine Flywheel Holding & Locking Tool

9AT3-E02

- Used to remove the crankshaft pulley when replacing the timing belt
- The pulley retaining bolt is fitted with high torque and the flywheel must be securely locked during installation / removal
- Jamming tools into the teeth of the flywheel will cause serious damage to both teeth and housing



MODEL: Petrol 1.6 16v. Twin Cams (Belt)
Stilo

Diesel Engine Setting Tool (Belt Drive)

9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen / Peugeot, Vauxhall / Opel



CONTENTS :

- A – TDC timing pin
- B – flywheel locking pin (2pc)
- C – tensioner retaining tool

Weight: 112g, Dimensions: 12 / 120mm

MODEL: 2.5D / 2.5DT / 2.8D / 2.8JTD
Croma (93-97)
Ducato (87-06)
Talento (87-02)

ENGINE CODE: 8140.21, 8140.27, 8140.47R
8140.43, 8140.43S, 8140.63
8144.67



FORD

EcoBoost 1.0 Timing Set



9AT1026E

- Engine Timing Tool Kit suitable for 1.0 petrol EcoBoost and 1.0 SCTi EcoBoost FORD engines.
- Contains tools vital for setting and locking the engine and for setting the position of the variable cam timing units.

16
PC.



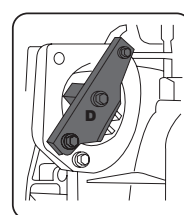
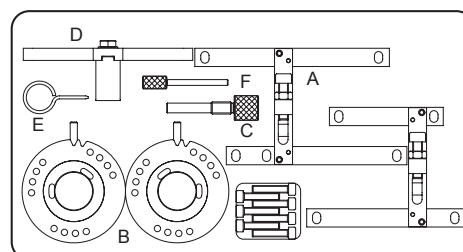
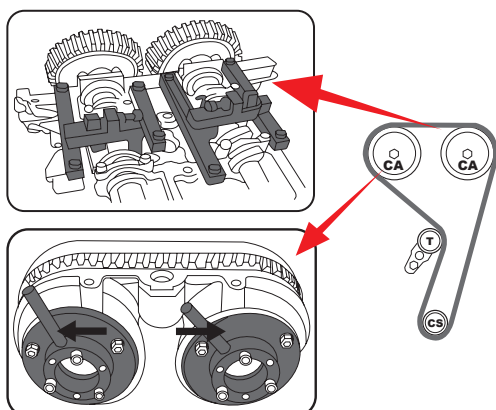
Kg 4.4 1 / 4

MODEL:

Fiesta (2013-2016), EcoSport (2013-2015),
B-Max (2013-2016),
C-Max (2012-2016), Transit Courier (2012-
2016),
Transit Connect (2013-2016), Focus (2012-
2016),
Grand Tourneo Connect (2013-2015),
Grand C-Max (2012-2016),
Mondeo (2015-2016), Tourneo Connect
(2013-2015)

ENGINE :

MICA, M1CB, M1DA, M1DD, M1JA, M1JC,
M1JE,
M1JH, M2DA, M2DB, M2DC, M2GA, P4JC,
P4JD,
SFCA, SFCB, SFDB, SFJA, SFJB, SFJC, SFJD,
P4JA, P4JB, XMJA, XMJB, M1JA



CONTENTS:

- A - Camshaft Locking Tool Set
 - B - Camshaft VVT Adjustment Tool Set
 - C - Crankshaft Setting Pin
 - D - Flywheel Locking Tool
 - E - Tensioner Locking Pin
 - F - Crankshaft Pulley Positioning Pin
- Remove the starter motor and fit component D in the starter aperture so that its tooth locks the flywheel

FORD

Petrol Engine Twin Camshaft & Diesel Engine Timing Tool Set



9AT1406E

- The set includes VCT setting plate, camshaft setting plate, crankshaft TDC location pin, tensioner locking pin and flywheel locking tools
- Suitable for 16v. Duratec petrol engine of FORD 1.6 Ti-VCT twin camshaft
- Use to adjust VCT timing on inlet and exhaust camshaft during timing belt replacement



7
PC.

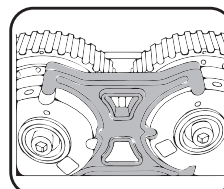
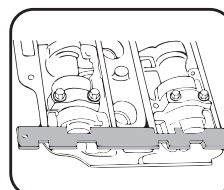
Kg 1640 1 / 10

MODEL:

Focus C-Max (03-08)
Focus (04-08)
Mondeo (07-08)

ENGINE
CODE:

HXDA



CONTENTS :

- A&E - flywheel locking tool
- B - camshaft setting plate
- C - crankshaft TDC location pin
- D - tensioner locking pin
- F - VCT setting plate
- G - crankshaft pulley alignment tool

ENGINE SERIES



KING TONY

531

Diesel Engine Timing and Injection Pump Setting & Locking Set



9AT2011E

- The set includes sprocket retaining plate, flywheel & tensioner locking pins
- Suitable for chain drive diesel engine of Ford
- Use to install/remove injection pump & set/lock engine timing

1473 1 / 10

MODEL: Diesel 2.0 / 2.2 / 2.4
TDdi / TDci DURATORQ(CHAIN)

ENGINE CODE: 2.0Ddi ABFA, D3FA, F3FA
2.0 TDdi D5BA, D6BA
2.0 TDci FMBA, FMBB
2.2 TDci QJBA~D
2.4 Ddi D2FA, F4FA
2.4 TDci FXFA, H9FA, JXFA, PHFA



CONTENTS :

- A – access Cover Removal Plate
- B – sprocket Retaining Plate
- C – location Pins (3 PC.)
- D – locking Pins (3 PC.)
- E – flywheel Locking Pins (2 PC.)
- F – tensioner Locking Pin

FORD

Diesel Engine Setting/Locking Tool (Belt Drive)

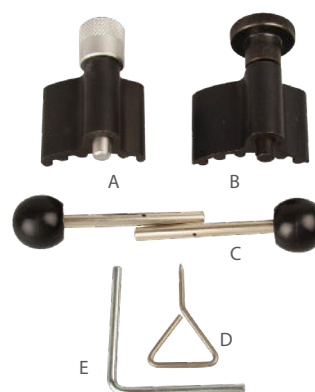
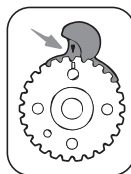
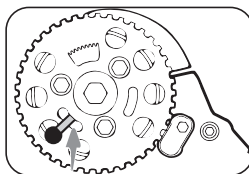
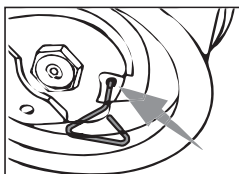
9AT2-C01

- The set includes crankshaft (oval / round), camshaft and tensioner locking pins
- Suitable for most of general VAG 1.4 / 1.9 / 2.0 TDi PD DOHC engines
- Also for Ford Galaxy models engine

408 10 / 40

MODEL: Galaxy 1.9

ENGINE CODE: ASZ / ANU



CONTENTS :

- A - Crankshaft Locking Tool (Silver / Oval)
- B - Crankshaft Locking Tool (Black / Round)
- C - Camshaft Locking Pins (2 pcs)
- D - Tensioner Pulley Locking Pin
- E - Auxiliary Belt Tensioner Locking Pin

Petrol Engine Timing Set – Ford 2.0 Ecoboost



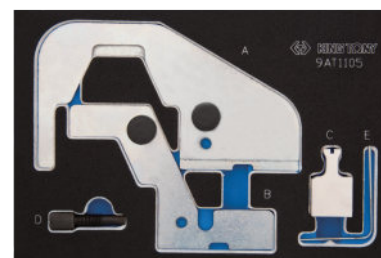
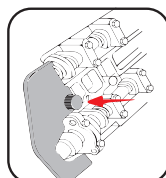
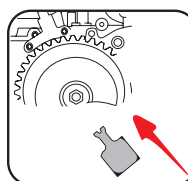
9AT1105E

- The set includes cam & crankshaft alignment tool and tensioner locking pin
- Suitable for Ford fitted with SCTi Ecoboost / Ti-VCT 2.0lt direct injection engines
- Camshaft tool use for vehicles manufactured **May 2011** and **after May 2011**

1745 1 / 10

MODEL: Galaxy(2010-), Mondeo(2010-)
S Max(2010-), Focus(2011-)

ENGINE CODE: Galaxy 2.0
TNWA, TNWB, TPWA
Mondeo 2.0
TNBA, TPBA
S Max 2.0
TNWA, TNWB, TPWA
Focus 2.0
MGDA, XQDA



CONTENTS :

- A – camshaft alignment plate
- B – camshaft alignment plate
- C – crankshaft locking tool
- D – crankshaft timing pin
- E – tensioner locking pin

Petrol & Diesel Engine Flywheel Holding Set

9AT3-E01

- Lock crankshaft in timed position by locating into flywheel
- Suitable for counter-holding crankshaft when releasing or tightening crankshaft pulley bolt



373 36 / 36

MODEL:

1.8 TDi / TDdi / TDCi Petrol Engines(Belt)
Fiesta / Courier, Tourneo Connect,
Focus C-Max, Mondeo, S-Max, Galaxy,
Transit Connect

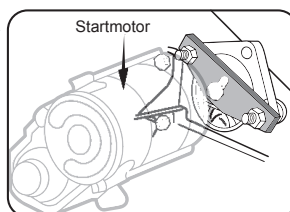
2.0TDCi Diesel Engines (Belt)
Focus / C-Max, S-Max, Galaxy

1.6Ti-VCT Petrol Engines(Belt)
Focus, Mondeo, Focus C-Max

ENGINE
CODE:

1.8 TDi / TDdi / TDCi Petrol Engines(Belt)
RTN, RTQ, RTP, BHDB, BHPA, C9DA, C9DB
C9DC, F9DA, F9DB, FFBA, FFDA, FFWA
HPCA, HPCB, P7PA, P9PA, QYBA, QYWA
R2PA, R3PA, RWPA, KKDA

2.0TDCi Diesel Engines (Belt)
AZWA, G6DA, G6DB, G6DC, QXWA
1.6Ti-VCT Petrol Engines(Belt)
HXDA



LANCIA

Diesel Engine Setting & Locking Set

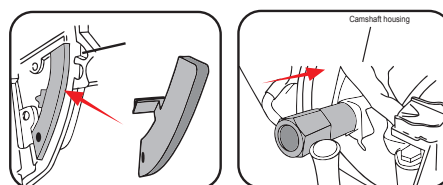
9AT2006E

- The set includes flywheel holding tool, crankshaft locking tool and camshaft setting tools
- Suitable for Lancia, Alfa Romeo and Fiat engine
- Use to set and lock engines timing



CONTENTS :

- A&C&D - crankshaft locking tool
- B - flywheel holding tool (crank pulley removal)
- E - camshaft setting tool (pair)



1360 1 / 10

2.0JTD / 2.2JTD(Belt)

MODEL: Lybra (99-07)
Musa (04-09)
Kappa (98-02)
Thesis (02-07)

ENGINE CODE: 1.9JTD 8v.
323.02, 371.01, 188B2.000, 937A2.000
2.4JTD 10v.
838A8.000, 839A5.000, 839A6.000
2.4JTD 20v.
841C.000, 841D.000, 841G.000, 841H.000

IVECO

Diesel Engine Setting Tool (Belt Drive)

9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen/Peugeot, Vauxhall/Opel



CONTENTS :

- A - TDC timing pin
- B - flywheel locking pin (2pc)
- C - tensioner retaining tool



112 12 / 120

MODEL:

2.5D/2.8D
Daily (91-06)
Turbo Daily (94-00)

ENGINE
CODE:

8140.07, 8140.27S, 8140.47
8140.47R, 8140.67F, 8140.97
8140.23, 8140.43C, 8140.43S



Petrol Engine Flywheel Holding Tool

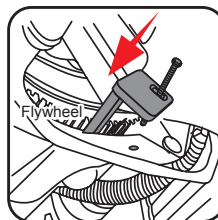
9AT1-E01

- Use to lock the flywheel while removing and replacing the timing belt
- Put it into the teeth of the flywheel to hold the crankshaft up, while releasing or tightening the bolt

51 20 / 100

MODEL: Delta (96-99)
Lybra (99-06)

ENGINE CODE: 182A4.000
182A6.000



Diesel Engine 2.5TDS Timing Set

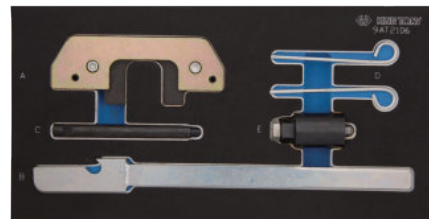
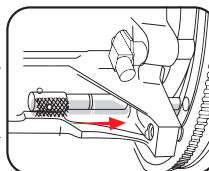
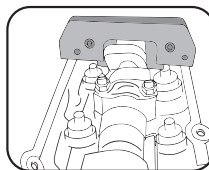
9AT2106E

- The set includes camshaft setting plate, tensioner lever, tensioner retaining pin, flywheel locking pin and pump remove & sprocket retainer
- Suitable for BMW, Land Rover and Opel engines
- Use to retain and support the sprocket and timing chains in position when the pump is removed

2480 1 / 5

MODEL: 2.5D Turbo (Chain)
Range Rover (94-02)

ENGINE CODE: 256T M51



CONTENTS :

- A – camshaft setting plate
- B – tensioner lever
- C – flywheel locking pin
- D – tensioner retaining pin
- E – pump remove & sprocket retainer (2 part)



LAND ROVER

Diesel Injection Pump Puller

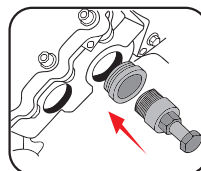
9AT2-D01

- Specifically designed for holding the sprocket / chain in place when disassembling the VP44 injection pump and high pressure pump
- Common rail fits BMW engines

528 6 / 36

MODEL: Freelander (00-06)
Td4 (2.0d)
Range Rover (02-06)
Td6 (3.0d)

ENGINE CODE: 204D3 / Td4
(2.0 M47:BMW)
306D1 / Td6
(3.0 M57 : BMW)

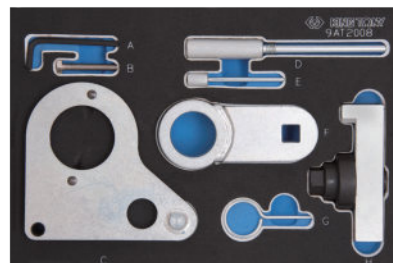
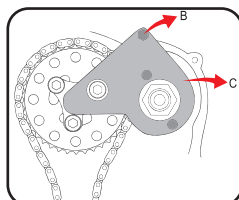
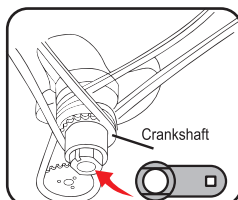


RENAULT

Diesel Engine Setting & Locking Set

9AT2008E

- The set includes auxiliary belt tensioner locking pin, camshaft setting tools, crankshaft pulley holding tool, chain tensioner locking pin and crankshaft locking pin
- Suitable for 2.0 dCi chain drive engines of Renault, Nissan and Vauxhall / Opel



CONTENTS :

- A&H - camshaft gear alignment tool
- B&C - camshaft setting plate
- D - crankshaft locking pin
- E - auxiliary belt tensioner locking pin
- F - crankshaft pulley holding tool
- G - chain tensioner locking pin

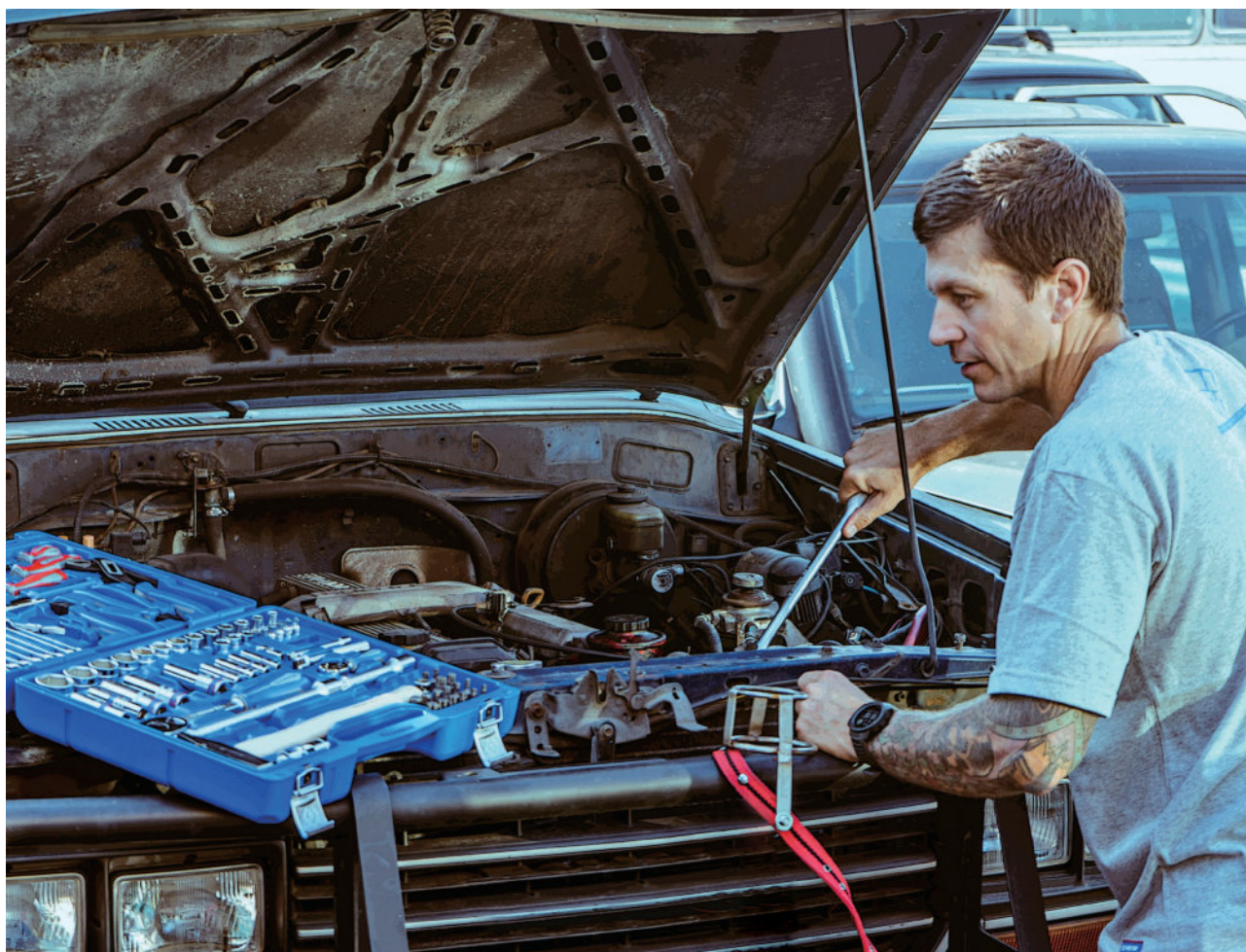
2376 1 / 5

MODEL:

Megane II (07-09)
Scenic / Grand Scenic (08-09)
Laguna II (01-05)
Vel Satis (05-09)
Espace / Grand Espace (08-09)
Koleos (08-09)
Trafic (07-09)

ENGINE
CODE:

2.0 dCi M9R
700, 721, 722, 724, 740, 742, 746, 760
761, 780, 802, 803, 805, 830, 832, 833



ENGINE SERIES



KINGTOMY

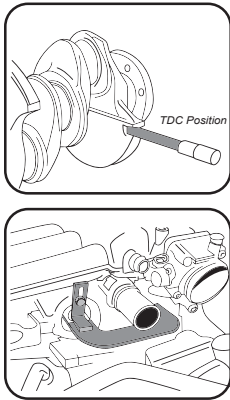
535

RENAULT

Petrol Engine Timing Locking Set-2.0 16V IDE - F5R

9AT1-A03

- The set includes crankshaft timing pin and camshaft setting plate, to aid timing belt replacement
- Suitable for Renault 2.0 IDE twin cam petrol engines found in Laguna and Megane vehicles



511 10 / 30

MODEL: Megane (99-03)
Laguna II (01-05)

ENGINE CODE: F5R700, 701, 740

Diesel Engine Setting Tool (Belt Drive)

9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen / Peugeot, Vauxhall / Opel



112 12 / 120

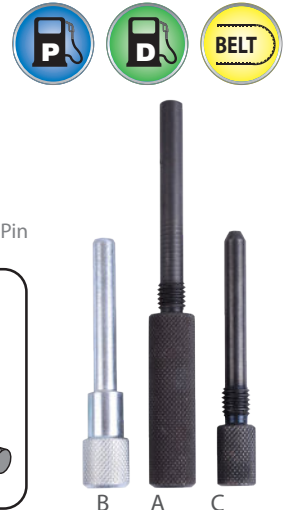
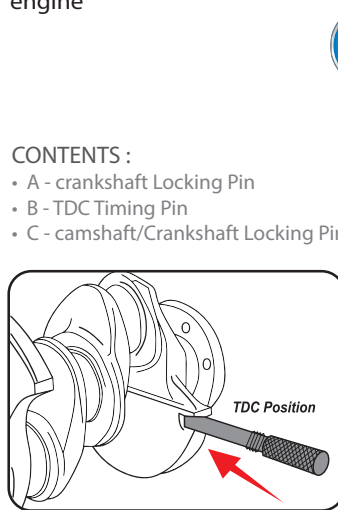
MODEL: 2.5D / 2.5D Turbo / 2.8dTi / 2.8dCi
Trafic (98-00)
Master (98-07)

ENGINE CODE: S8U
720, 722, 730, 731, 742, 748
750, 752, 770, 772, 780, 782
S9U
700, 702, 704, 714, 740
S9W
206, 208, 212, 700, 702

Petrol & Diesel Engine Timing Set(dCi Engines)

9AT3-A03

- The set includes camshaft / crankshaft locking pin and TDC timing pin
- Used for timing belt replacement
- Suitable for Renault 1.5 and 1.9 dCi diesel and petrol engine



CONTENTS :

- A - crankshaft Locking Pin
- B - TDC Timing Pin
- C - camshaft/Crankshaft Locking Pin

RENAULT (Belt)

220 10 / 100

Diesel

Clio 1.5 dCi (01-08)
Clio 1.9 DTi (99-03)
Espace 1.9 TDi (97-02)
Kangoo 1.5 dCi (04-08)
Kangoo 1.9 DTi (99-03)
Laguna 1.9 DTi (97-03)
Megane II 1.5 dCi (02-05)
MODEL: Megane 1.9 D / TD / TDi (95-03)
Scenic II 1.5 dCi (02-05)
Scenic 1.9 TD (95-99)

Petrol

Clio 1.8 (92-01)
Espace 2.0 (92-01)
Laguna 1.8 (92-01)
Megane, 2.0 (96-99)
R19 1.8 (92-01)
F3R Scenic 2.0 (96-99)

Diesel

K9K

F8Q

F9Q

Petrol

F3P

F3R

ENGINE CODE:

RENAULT

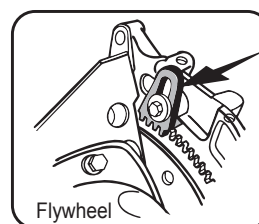
Petrol & Diesel Engine Flywheel Holding & Locking Tool

9AT3-E02

- Used to remove the crankshaft pulley when replacing the timing belt
- The pulley retaining bolt is fitted with high torque and the flywheel must be securely locked during installation / removal
- Jamming tools into the teeth of the flywheel will cause serious damage to both teeth and housing
- Suitable for petrol and diesel engine

64 25 / 100

MODEL: Petrol 1.2 to 2.2 (Belt)
F3R, F7R, F7P, F3P, E7J
F8M and F8Q (early)
Diesel 1.50 to 2.50 TUD / XUD (Belt)
F3R, F7R, F7P, F3P, E7J, F8M and F8Q (early)

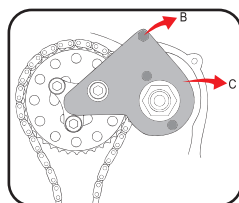
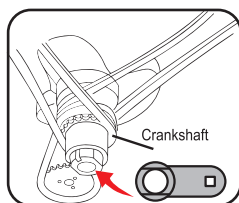


NISSAN

Diesel Engine Setting & Locking Tool Set

9AT2008E

- The set includes auxiliary belt tensioner locking pin, camshaft setting tools, crankshaft pulley holding tool, chain tensioner locking pin and crankshaft locking pin
- Suitable for 2.0 dCi chain drive engines of Renault, Nissan and Vauxhall / Opel



2376 1 / 5

MODEL: Primastar (08-09)
Qashqai (08-09)
X-Trail (07-08)

ENGINE CODE: M9R
780, 830, 832, 833



CONTENTS :

- A&H - camshaft gear alignment tool
- B&C - camshaft setting plate
- D - crankshaft locking pin
- E - auxiliary belt tensioner locking pin
- F - crankshaft pulley holding tool
- G - chain tensioner locking pin



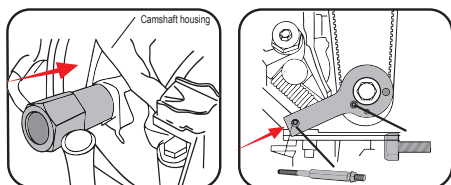
SAAB

Diesel Engine Setting & locking Set



9AT2005E

- The set includes crankshaft locking tool, camshaft setting tools(pair) and a tensioner locking pin
- Suitable for Saab, Vauxhall / Opel engine
- Use to set and lock engines timing



1295 1 / 10

MODEL: Diesel 2.2D T1D
9-3 (98-04), 9-5 (02-06)

ENGINE CODE: Diesel 2.2D T1D
Z19DT / Z19DTH



CONTENTS :

- A&D - crankshaft locking tools
- B - camshaft setting tool (pair)
- C - tensioner locking pin

SUZUKI

Diesel Engine Setting & Locking Set

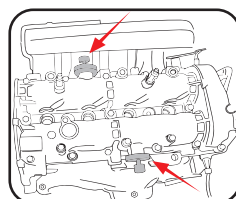
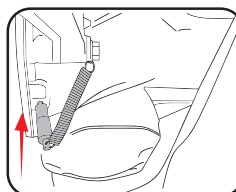
9AT2004E

- The set includes flywheel locking pin, camshaft setting tools, tensioner locking pin
- Use to retain timing position only. DO NOT use them to hold camshafts in position while releasing or tightening the sprocket bolts

1101 1 / 10

MODEL: Diesel 1.3 DDIS (Belt)
Swift (04-09)
Ignis (03-09)
Wagon R+ (03-08)

ENGINE CODE: Diesel 1.3 DDIS (Belt)
Z13DT



CONTENTS :

- A- camshaft setting tool set (pair)
- B- flywheel locking pin
- C- tensioner retaining pin

VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

Petrol Engine Twin Camshaft Setting & Locking Set - VAG 1.4 / 1.6 FSi (Chain)

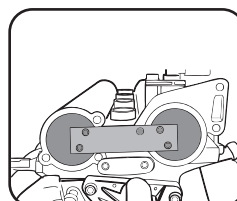
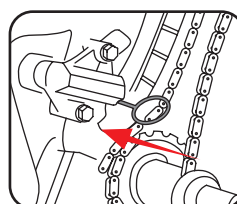
9AT1103E

- The set includes camshaft setting plate, TDC position tool (with DTI) and tensioner locking pin
- 9AT1103 'B' TDC positioning tool has to use with 9AT3-F01(not included in this set)

1456 1 / 10

MODEL: Audi
A3 (03-07)
Volkswagen
Polo (02-08), Golf V (03-08), Golf Plus (05-08)
Jetta (06-08), Passat (05-08), Touran (03-07)
Skoda
Octavia II (04-08)

ENGINE CODE: 1.4 FSI
AXU, BKG, BLN
1.6 FSI
BAG, BLF, BLP, BTS



CONTENTS :

- A - camshaft setting plate
- B - TDC position tool (with DTI)
- C - tensioner locking pin



VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

Diesel Engine Setting & Locking Set - Pumpe Düse

9AT2012E

- The set includes crankshaft & camshaft locking tool, tensioner setting & adjusting tools
- Suitable for belt drive Pumpe Düse diesel engines of VW group vehicles and Ford (Galaxy)
- Use to set & lock engine to make sure timing is in the correct position during timing belt replacement
- Suggestion :
Check the engine is hydraulic or mechanical tensioner first. (Some of 1.2 1.4 1.9 engines were changed from hydraulic to mechanical.)

1845 1 / 10

Audi

A2 (01-06), A3 (01-09), A4 (99-09)

A5 (08-09), A6 (98-08), TT (08-09)

Q5 (08-09)

Skoda

Fabia (00-07), Fabia II (07-09)

Octavia (00-09), Octavia II (04-09)

Superb (02-08), Roomster (07-09)

Volkswagen

Lupo(99-05), Polo(99-07), Fox(05-08)

Jetta (05-09), Passat (98-09), Beetle (00-09)

Touran (03-09), Sharan (99-09)

Caddy (03-09), Golf /Bora(98-08)

Golf Plus (05-09), Transporter (03-09)

Seat

Arosa (99-05), Altea XL(04-09)

Leon (00-09), Toledo (04-09)

Alhambra (99-09), Ibiza / Cordoba)(02-09)

Ford

Galaxy (99-06)

MODEL:

ENGINE
CODE:

1.2TDI PD

ANZ, AYZ

1.4TDI PD

AMF, ATL, BAY, BHC, BMS, BNM, BNV, BWB

1.9TDI PD

AJM, AMG, ANU, ARL, ASZ, ATD, ATJ, AUY,
AVB, AVF, AVQ, AWX, AXB, AXC, AXR, BEW,
BJB, BKC, BKE, BLS, BLT, BMT, BPX, BRB, BRM,
BRR,BRS, BRU, BSU, BSW, BTB, BUK, BVK, BXE,
BXF

2.0TDI PD

AZV, BDJ, BDK, BGW, BHW, BKD, BKP, BLB,
BMA, BMM, BMN, BMP, BMR, BNA, BPW, BRC,
BRE, BRF, BRT, BUZ, BVE, BVF, BVG, BVH, BWV

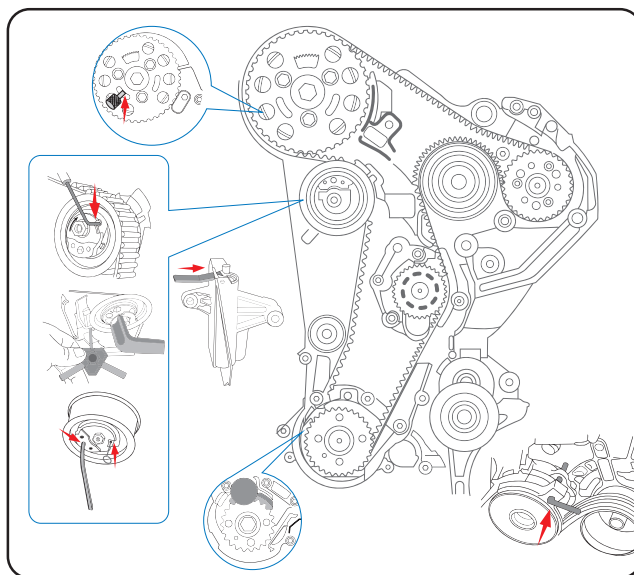
1.9TDI PD (Ford)

ANZ, ASZ, AUY



CONTENTS :

- A - crankshaft locking tool (silver / oval)
- B - crankshaft locking tool (black / round)
- C - camshaft locking pins (2 pcs)
- D - tensioner adjuster (1.2, 1.4 & 1.9)
- E - tensioner adjuster (later 1.9 & 2.0)
- F - tensioner adjust tool (hexagon)
- G - tensioner locking tool
- H - tensioner locking pin (mechanical)
- I - tensioner locking tool (hydraulic)
- J - tensioner setting tool (hydraulic)
- K - auxiliary belt tensioner locking pin



VW Audi TIMING TOOL Set VAG 1.6/2.0 TDI CR



9AT2010E

- This set designs to fit the newest common rail diesel engine which is significantly different from the older PD engine.
- The CR engines combines belt and the gear drive by using a toothed belt to transfer the drive from the crankshaft to one of the cam shafts, then using gears to transfer the drive from one cam to the other.



10 PC.

2.7 1 / 4

MODEL: Audi A3, A4, A5, A6, Q5
Volkswagen Golf, Tiguan, Passat, Eos

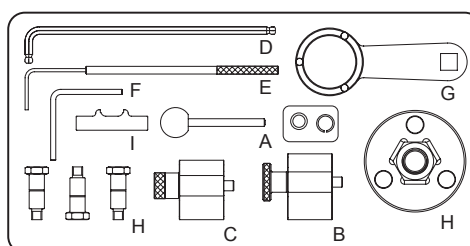
1.2 TDI
ANY, AYZ

1.4 TDI
AMF, ATL, BAY, BHC, BNM, BNV

1.9 TDI
AJM, AMG, ANJ, ARL, ARX, ASZ, ATD, ATJ,
AUY, AVB, AVF, AVQ, AWX, AXB, AXC, AXR,
BEW, BJB, BKC, BKE, BLS, BLT, BMT, BPX,
BRB, BRM, BRU, BSU, BSV, BSW, BTB, BVK,
BXE, BXF

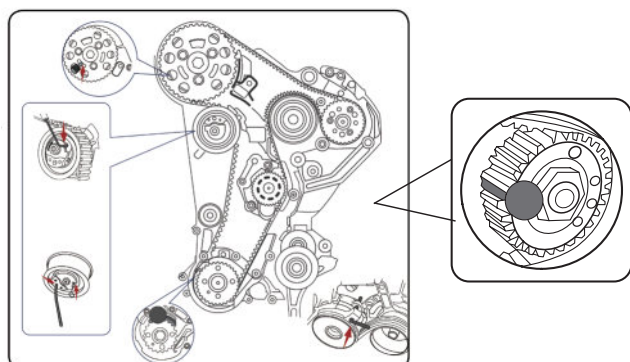
ENGINE :

2.0 TDI
AZV, BKD, BDJ, BDK, BGW, BHW, BKP, BLB,
BMA, BMM, BMN, BMP, BMR, BNA, BPW, BRC,
BRE, BRF, BRT, BSS, BUY, BUZ, BVE, BVF, BVG,
BVH, BVW



CONTENTS::

- A - Injection pump/ camshaft alignment pin
- B - Crankshaft pulley locking tool(Bored)
- C - Crankshaft pulley locking tool(Non-bored)
- D - Tensioner pulley adjustment tool(2.4mm Hex Key)
- E - Tensioner pulley locking tool
- F - auxiliary tensioner locking tool(3.9mm)
- G - Sprocket holding tool
- H - Cam sprocket hub puller
- I - Oil Pump /Balancer Shaft Alignment Tool



VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

Petrol Engine Camshaft Sprocket Holding Tool

9AT1-A01

- For locking the camshaft pulleys when changing the toothed belt
- Engine repairs on 16-valve 1.4/1.6L FSi twin cams injection engine

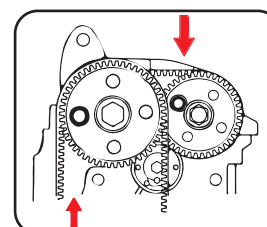
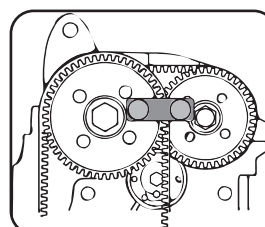
340 6 / 36

Audi
A2 (00-06)
Seat
Arosa (99-05), Ibiza / Cordoba (99-08)
Leon (99-05), Toledo (99-05), Inca (00-04)
Skoda
Fabia (99-07), Octavia (00-08)
Volkswagen
Lupo (98-05), Polo (98-07),
Golf / Bora (97-08), Beetle (01-08)
Caddy (99-08)

MODEL:

ENGINE
CODE:

AFK, AHW, AJV, AKQ, APE, AQQ, AUA, AUB,
AXP, ARC, ATN, AUS, AVY, AZD , ARR, BBY,
BBZ, BCA, BKY, BAD, BCB



Petrol Engine Chain Tensioner Retainer

9AT1-A04

- Use to hold the chain tensioner in position when removing or installing timing chain
- Suitable for a variety of VAG chain drive engines

⚖ 46 📦 12 / 192

MODEL: A3, A4, A6, A8, S3, S4, TT, etc

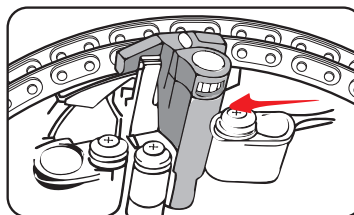
Audi

AHA, AMB, AMU, APB, ART, ATC, ATQ, AWM, AWN, AWP, BBD, BCY, BEA, BEL, BFM

ENGINE CODE:

VW

AHA, APH, ATQ, AUG, AWM, AWP, AWV, BKF, BNU



Diesel Engine Setting/Locking Tool (Belt Drive)

9AT2-C01

- The set includes crankshaft (oval/round), camshaft and tensioner locking pins
- Suitable for most of general VAG 1.4/1.9/2.0 TDi PD DOHC engines
- Also for Ford Galaxy models engine

⚖ 408 📦 10 / 40

MODEL:

Audi

A2 1.4 (02-06), A3 1.9/2.0 (02-08), A4 1.2 (02-05), A4 1.9/2.0 (02-05), A6 1.9 (20-05)

VW

Beetle 1.9 (02-08), Bora 1.9 (02-08), Fox 1.4 (02-08), Golf 1.9 (02-08), Lupo 1.4 (02-08), Polo 1.4/1.9 (02-08), Sharan 1.9 (20-08), Jetta 2.0 (03-), Passat 2.0 (03-), Touran 2.0 (03-)

Seat

Altea 1.9 (05-08), Leon 1.9/2.0 (05-08), Toledo 1.9 (05-08)

Skoda

Octavia II 2.0 (03-06), Fabia 1.4 (03-06)

ENGINE CODE:

Audi

AMF, ASZ, ATD, AVB, AVF, AWX, AXR, AZV, BHC, BKC, BKD, BKE, BLB, BMN, BNA, BPW, BRB, BRC, BRD, BRE, BRF, BUY, BVA, BVF, BVG

VW

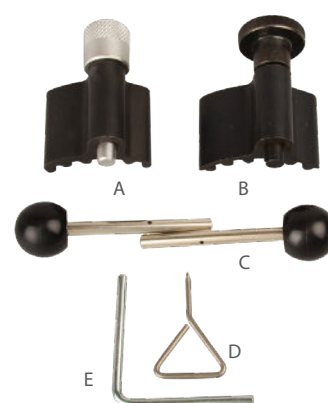
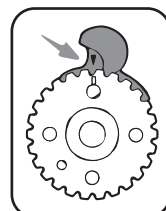
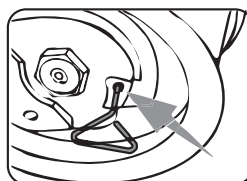
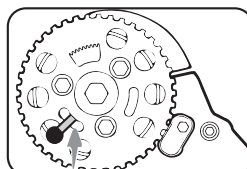
AJM, AMF, ANU, ARL, ASZ, ATD, AUY, AVB, AVF, AWX, AXR, BAY, BMS, BNM, BNZ, BWB

Seat

BJB, BKC, BLS, BMM, BXE

Skoda

AMF, AZV, BKD



CONTENTS :

- A - crankshaft locking tool (silver / oval)
- B - crankshaft locking tool (black / round)
- C - camshaft locking pins (2 pcs)
- D - tensioner pulley locking pin
- E - auxiliary belt tensioner locking Pin

VAUXHALL/OPEL

Petrol Engine Setting & Locking Set

9AT1002E

- The set includes camshaft setting tool and tensioner retaining pin
- Suitable for Vauxhall / Opel & Fiat engine
- Use to lock the camshafts on the correct timing position

⚖ 1510 📦 1 / 10

MODEL:

Petrol 2.2 16v. Twin Cams(Chain)

Astra-G (00-06)

Astra-H (06-09)

Speedster / VX220 (00-06)

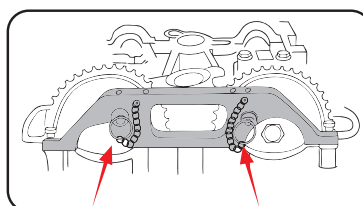
Vectra-B+C (00-08)

Signum (03-08)

Zafira-A+B (00-09)

ENGINE CODE:

Z22SE, Z22YH



CONTENTS :

- A - camshaft setting tool
- B - tensioner retaining pin



VAUXHALL/OPEL

Petrol Turbo Engine Timing Set

9AT1007E

- The setting & locking set covers a wide range of Vauxhall/Opel and Chevrolet petrol engine.
- Include the necessary tool for setting and locking the camshaft and crankshaft for locking the timing chain tensioner.



2.4



1 / 4

7
PC.



MODEL:

Cadillac : ELR (2014).

Chevrolet :

Aveo (2011-2015), Cruze (2011-2015),

Volt (2012-2014), Trax (2013-2015),

Orlando (2011-2015).

Holden: Volt (2012-2014).

Vauxhall / Opel:

Agila (2000-2003), Agila-B (2008-2010),

Adam (2012-2015), Ampera (2011-2015),

Corsa-C (2000-2014), Corsa-D (2006-2014),

Insignia (2011-2015), Meriva-B (2010-2015),

Mokka (2012-2015), Zafira-C Tourer (2012-

2015),

Cascade (2013-2015), Astra-J (2009-2015).

1.0 / 1.0 Ecotex

A10XEP

1.2 / 1.2 Ecotex

A12XEL, A12XER, LWD/A12XEL, L2Q/A12XEL,

LWD/B12XEL

1.4 / 1.4 Ecotex

A14XER, LUJ/A14NET, LDD/A14XEL, LDD/

A14XER,

ENGINE : LDD/A14XEL, A14XEL, L2Z/A14XEL, LDD/

B14XEJ,

LDD/B14XEL, LDD/B14XER, LUJ/B14NEH,

LUJ/B14NEL, LUJ/B14NET, LDD, LUU,

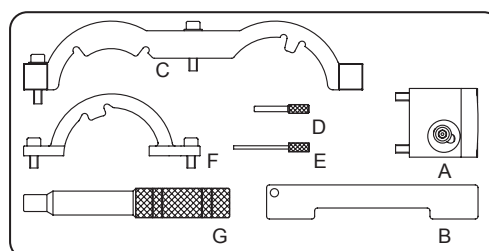
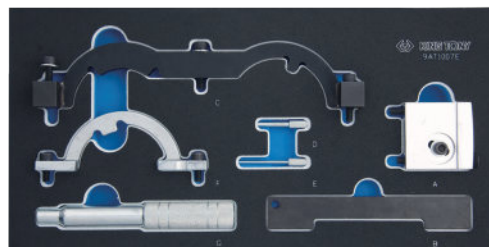
LUH/A14NEL

1.4 Turbo

LUJ/A14NEL, LUJ/A14NET, LUJ/B14NET

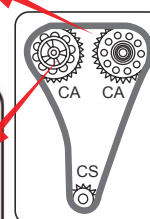
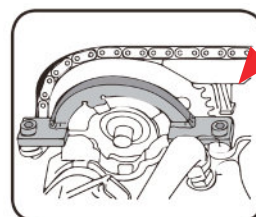
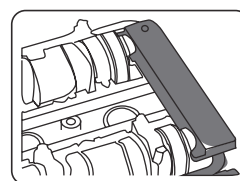
1.6

LDE/A16XER, LDE/B16XER



CONTENTS:

- A - Inlet Camshaft Adjusting Tool
- B - Camshaft Locking Plate
- C - Camshaft Sensor Locating Tool
- D - Chain Tensioner Locking Pin 4.0mm
- E - Chain Tensioner Locking Pin 2.5mm
- F - Camshaft Sensor Locating Tool
- G - Crankshaft Locking Pin



VAUXHALL/OPEL

Petrol & Diesel Engine Tensioner Adjustment Wrench (Via Water Pump)

9AT1202

- The set includes 41mm and 46mm tension adjust wrench
- Suitable for Vauxhall / Opel and Chevrolet engine



695



6 / 24

MODEL:

9AT1202 - A(46MM)

Petrol / 1.8 and 2.0 S.O.H.C

Astra F, Calibra, Frontera C18NZ, C20NE

Diesel / 1.6D and 1.7D

Astra, Cavalier, Vectra 16DA, 17D

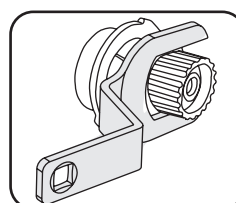
9AT1202 - B(41MM)

Petrol / 1.2 / 1.4 / 1.6 S.O.H.C

Corsa B / C , Combo, Astra-F, Vectra-B

C12NE, X12SZ, C14NZ, X14NZ, C14SE

X14SZ, X16SZ, X16SZR, Z16SE



2
PC.

CONTENTS :

- A - tension adjustment wrench (46mm)
- B - tension adjustment wrench (41mm)



VAUXHALL/OPEL

Diesel Engine Setting & Locking Set

9AT2004E

- The set includes flywheel locking pin, camshaft setting tools, tensioner locking pin
- Use to retain timing position only. DO NOT use them to hold camshafts in position while releasing or tightening the sprocket bolt



1101 1 / 10

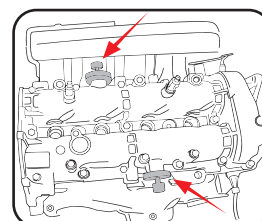
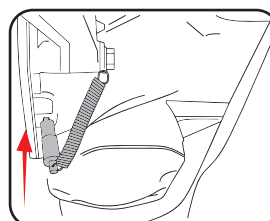
MODEL: Diesel 1.3D CDTi (Chain)
Agila (03-08), Agila-B (08-09)
Corsa / Combo-C (03-09), Corsa-D (08-09)
Tigra-B(04-09), Meriva (04-09)
Astra-H (05-09)

ENGINE CODE: Diesel 1.3D CDTi (Chain)
Z13DT, Z13DTH, Z13DTJ



CONTENTS :

- A - camshaft setting tool set (pair)
- B - flywheel locking pin
- C - tensioner retaining pin



VAUXHALL/OPEL

Diesel Engine Setting & Locking Set

9AT2005E

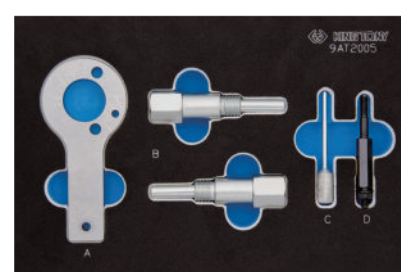
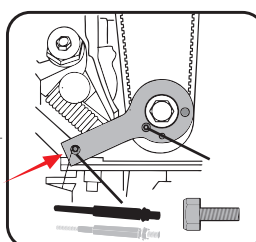
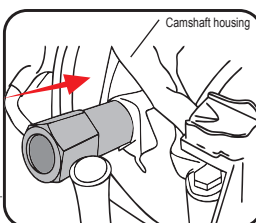
- The set includes crankshaft locking tool, camshaft setting tools(pair) and a tensioner locking pin
- Suitable for Saab, Vauxhall / Opel engine
- Use to set and lock engines timing



1295 1 / 10

MODEL: Diesel 1.9D CDTi / 2.0D CDTi(Belt)
Astra-H (04-09), Vectra-C(04-08)
Signum (04-08), Zafira-B (05-09)
Insignia (08-09)

ENGINE CODE: Diesel 1.9D CDTi / 2.0D CDTi(Belt)
1.9CDTi
Z19DT, Z19DTH, Z19DTJ, Z19DTL
2.0CDTi
A20DT, LBS, A20DT, LBX, A20DT, LBV
A20DT, LCD



CONTENTS :

- A&D - crankshaft locking tools
- B - camshaft setting tool (pair)
- C - tensioner locking pin



VAUXHALL/OPEL

Diesel Engine Setting & Locking Set

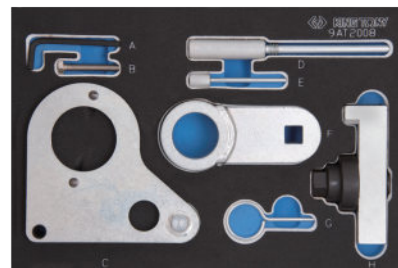
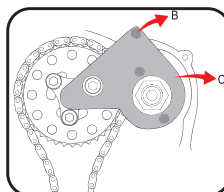
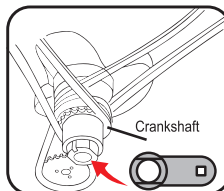
9AT2008E

- The set includes auxiliary belt tensioner locking pin, camshaft setting tools, crankshaft pulley holding tool, chain tensioner locking pin and crankshaft locking pin
- Suitable for 2.0 dCi chain drive engines of Renault, Nissan and Vauxhall / Opel

2376 1 / 5

MODEL: Vivaro (07-08)

ENGINE CODE: M9R
780/782/784



CONTENTS :

- A&H – camshaft gear alignment tool
- B&C – camshaft setting plate
- D – crankshaft locking pin
- E – auxiliary belt tensioner locking pin
- F – crankshaft pulley holding tool
- G – chain tensioner locking pin

VAUXHALL/OPEL

Diesel Engine 2.5TDS Timing Set

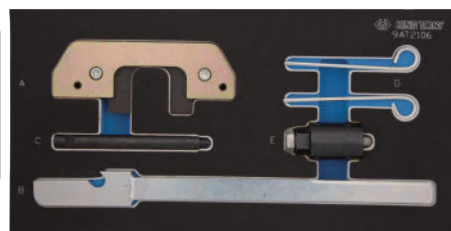
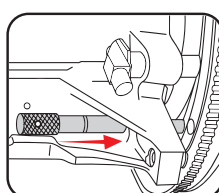
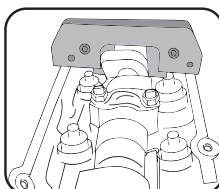
9AT2106E

- The set includes camshaft setting plate, tensioner lever, tensioner retaining pin, flywheel locking pin and pump remove & sprocket retainer
- Suitable for BMW, Land Rover and Opel engines
- Use to retain and support the sprocket and timing chain in position when the pump is removed

2480 1 / 5

MODEL: Omega-B (94-01)

ENGINE CODE: 2.5D Turbo (Chain)
X25DT



CONTENTS :

- A – camshaft setting plate
- B – tensioner lever
- C – flywheel locking pin
- D – tensioner retaining pin
- E – pump remove & sprocket retainer (2 part)

Diesel Engine Setting Tool (Belt Drive)

9AT2-A01

- The set includes flywheel locking pin, TDC timing pin and tensioner retaining tool
- Use for holding engine timing position when replacing timing belt
- Suitable for Fiat, Iveco, Renault, Citroen / Peugeot, Vauxhall / Opel

112 12 / 120

MODEL: 2.5D / 2.8D
Arena (97-01)
Movano (98-03)

ENGINE CODE: S8U
770, 772
S9W
700, 702



CONTENTS :

- A – TDC timing pin
- B – flywheel locking pin (2pc)
- C – tensioner retaining tool

Diesel Injection Pump Puller

9AT2-D01

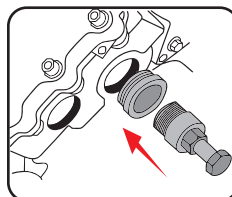
- Specifically designed for holding the sprocket / chain in place when disassembling the VP44 injection pump and high pressure pump
- Common rail fits BMW engines



528  6 / 36

MODEL: Omega - B (01-03)

ENGINE CODE: Y25DT



VAUXHALL/OPEL

Petrol Engine Flywheel Holding & Locking Tool

9AT2-E01

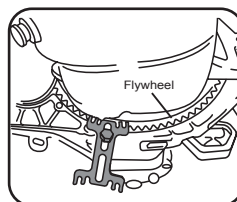
- Use to remove the crankshaft pulley while replacing the timing belt
- Put into the teeth firstly, fix steadily on the housing according to manufacturer's guidelines



39  20 / 100

MODEL: Astra (86-91)
Astra-F + G (91-98)
Ascona-C / Cavalier (86-88)
Vectra A (89-95)

ENGINE CODE: 16DA, 17D, 17DR, 17DTL



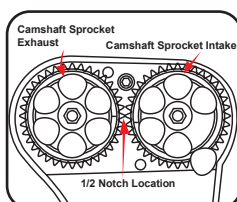
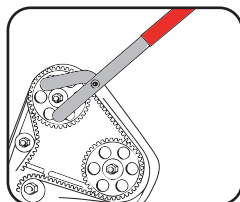
UNIVERSAL

Camshaft & Injection Pump Sprocket Holding Tool

9AT3-A01

- Use to counter hold camshaft or injection pump sprocket to release the retaining bolt
- For universal diesel and petrol engine

912  6 / 24



UNIVERSAL

Universal Camshaft Pulley Holding Wrench

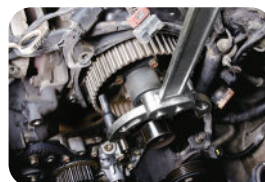
9AT3-A02

- Use to hold camshaft pulley while loosening and tightening cam sprockets center bolt
- Designed with 4 pair groove pins 7, 10, 14, 16mm
- Adjustable swivel jaw both side application for most engine
- Capacity : 40 ~ 140mm (1-1/2" ~ 8-5/8")
- For universal engine, especially O.H.C. overhead cam engines cars

1000 1 / 6



9
PC.



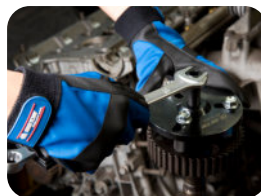
UNIVERSAL

Camshaft Sprocket Puller

9AT3-A04

- Use to hold and remove the camshaft sprocket without damaging the sprocket
- Use with 3/8" square drive tool or 19mm wrench
- Suitable for most sprockets from Ø60 to Ø100 mm

KT NO.	Capacity mm		
9AT3-A04	60~100	1437	1 / 12



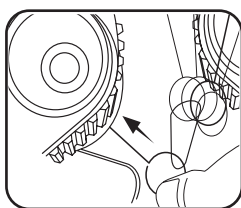
UNIVERSAL

Belt Tensioner Lock Pin Set

9AT3-B01

- Designed for retaining tensioner plunger in fixed position while replacing timing belt
- Suitable for common vehicle and engine

17 20 / 100



CONTENTS :

- 0.79mm / .0310"
- 1.21mm / .0476"
- 1.41mm / .0560"
- 1.51mm / .0594"
- 1.71mm / .0670"
- 1.92mm / .0760"

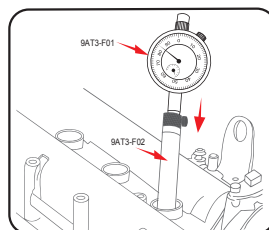
UNIVERSAL

Dial Test Indicator

9AT3-F01

- Use to measure and accurately find the piston TDC position
- This tool has to use with TDC Indicator 9AT3-F02
- It can be used for mechanical circularity, flatness.....etc

63 1 / 100



UNIVERSAL

TDC Indicator

9AT3-F02

- Use to measure if the cylinder piston is at TDC position
- This tool has to use with Dial Test Indicator 9AT3-F01

292 1 / 30



VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

Petrol Engine Timing Set

9AT1306E

- The set includes camshaft setting plate, camshaft sprocket adjusting tool, tensioner adjusting tool, tensioner locking pin and crankshaft locking pin
- Suitable for Audi VAG 3.0 V6 petrol engine
- Use to replace timing belt and carry out timing tensioner applications

3668 1 / 5

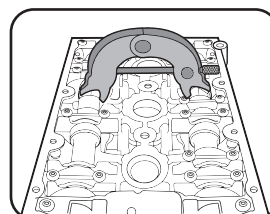
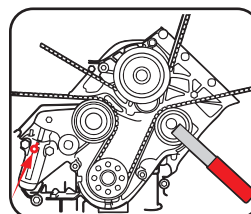
MODEL: Audi
A4 (01-08), A6 (01-08), A8 (03-08)
Cabrio (03-08)

ENGINE CODE: ASN, AVK, BBJ



CONTENTS :

- A - camshaft setting plate (pair)
- B - crankshaft locking pin
- C - camshaft sprocket adjusting tool
- D - tensioner adjusting tool
- E - tensioner locking pin



VOLKSWAGEN GROUP AUDI/SKODA/VW/SEAT

Petrol Engine Setting & Locking Set

9AT1506E

- The set includes dial & TDC indicator and camshaft setting tool
- Suitable for 1.2T / 1.4T FSi and 1.4 / 1.6 FSi engines
- Use to check and adjust engine timing

1856 1 / 10

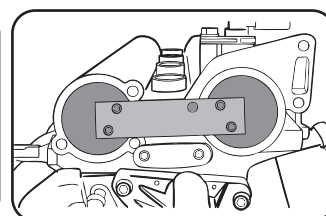
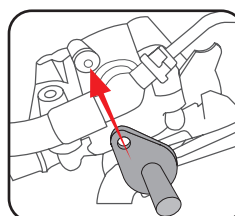
MODEL: Audi
A1(10-12), A3(03-12)
Seat
Altea/Altea XL(08-12), Ibiza/Cordoba(08-12)
Leon(07-12), Toledo(07-09)
Skoda
Fabia II(07-12), Octavia II(04-12)
Roomster(06-12), Superb II(09-12)
Yeti(09-12)
VW
Caddy/ Caddy Maxi(10-12), Eos(06-12)
Golf(03-12), Golf Plus(03-12), Jetta(06-12)
Passat(05-11), Polo(02-12), Scirocco(08-12)
Tiguan(07-12), Touran(03-12)

ENGINE CODE: 1.2T FSi
CBZA, CBZB, CBZC
1.4T FSi
BLG, BMY, BWK, CAVA, CAVB, CAVC, CAVD
CAVE, CAVF, CAXA, CAXC, CDGA, CSMA
1.4 FSi
AXU, BKG, BLN
1.6 FSi
BAG, BLF, BLP, BTS



CONTENTS :

- A - camshaft setting plate
- B - TDC indicator
- C - camshaft setting tool
- D - crankshaft locking pin
- E - dial test indicator
- F - tensioner locking pin

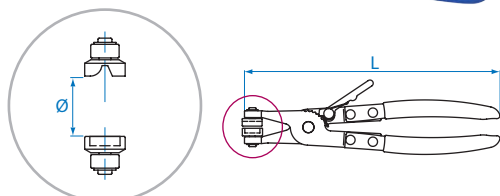


Hose Clamp	KT Item	Suitable Car Brand
    Hose Clamp	 9AA11  9AA13  9AA16  9AA21  9AA31  9AA32	Universal VW(Intake), VW, Audi, Opel, Honda, Ford
 Hose Clamp	 9AA17	VW, Audi, Seat, Skoda, Lamborghini
 CLIC Clamp  CLIC-E Clamp  CLIC-R Clamp  CLIC-GR Clamp	 9AA15  9AA25	VW, Audi, Citroen/Peugeot, Fiat, Mercedes-Benz, Opel, Renault, Ford, Volvo
 Screw Clamp  Worm Drive Clamp	 1453-05 / 1453-06 / 1453-07 1453-08 / 1453-10	Universal

Straight Hose Clamp Pliers

9AA11

- Use to remove and install spring clamp
- Swivel V-shaped jaws
- Suitable for universal cars, especially VW, Audi, Opel, Honda, Ford

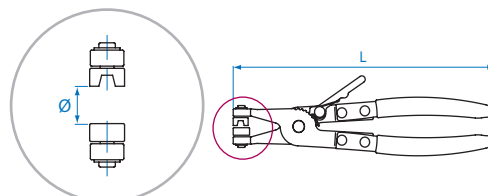


KT NO.	Ø mm	inch	L mm		
9AA11	55	8-21/32	220	220	12 / 72

Flat Band Hose Clamp Pliers

9AA16

- Use to remove and install spring clamp
- Swivel concave jaws
- Suitable for universal cars, especially VW, Audi, Opel, Honda, Ford

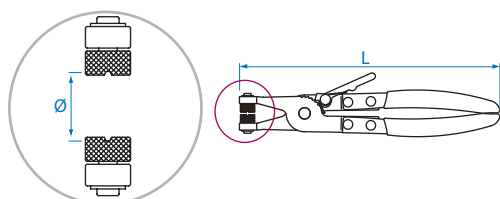


KT NO.	Ø mm	inch	L mm		
9AA16	60	8-21/32	220	213	12 / 72

Wire Hose Clamp Pliers

9AA13

- Use to remove and install wire clamp
- Swivel jaws
- Suitable for universal cars, especially Corbin heater hose

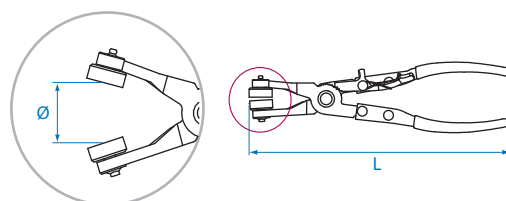


KT NO.	Ø mm	inch	L mm		
9AA13	51	8-21/32	220	238	12 / 72

Curved Hose Clamp Pliers

9AA21

- Use to remove and install spring clamp
- 45° swivel concave jaw with greater access in confined spaces
- Suitable for universal cars, especially VW, Audi, Opel, Honda, Ford



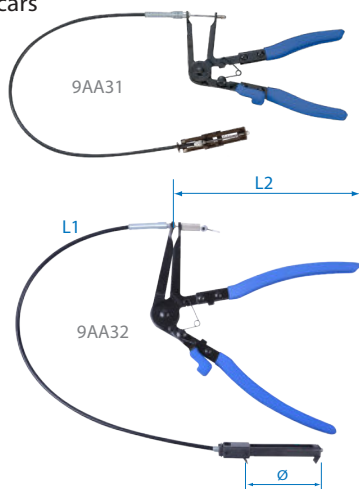
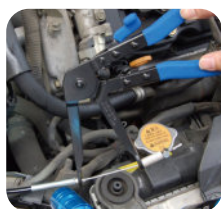
KT NO.	Ø mm	inch	L mm		
9AA21	53	8-21/32	220	224	12 / 48



Flexible Hose Clamp Pliers

9AA31

- Use to remove and install spring clamp
- Flexible flat jaw with greater access in confined spaces
- Suitable for universal cars

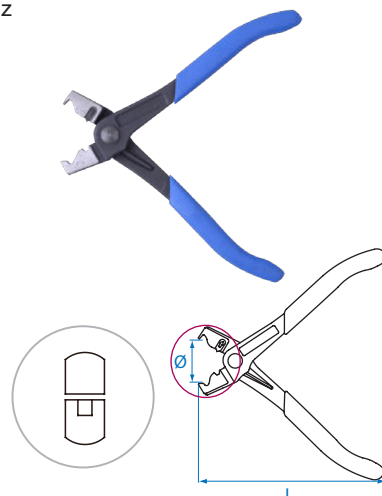


KT NO.	Ø mm	inch	L1 mm	L2 mm	g	kg	box
9AA31	53	25	630	9	225	528	12 / 36
9AA32	77	27-1/4	700	12	310	756	6 / 24

CLIC Hose Clamp Pliers

9AA15

- Use to remove and install CLIC and CLIC-R clamp
- Special-designed jaws
- Suitable for VW, Audi, Opel, Citroen, Peugeot, Fiat, Renault, Mercedes-Benz

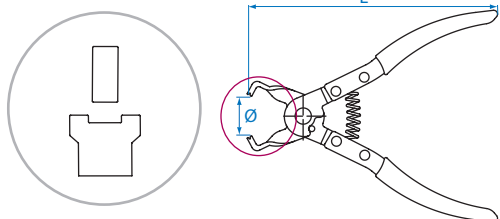


KT NO.	Ø mm	inch	L mm	g	kg	box
9AA15	36	5-19/32	142	223		12 / 72

Fuel Line Hose Clamp Pliers

9AA17

- Use to remove and install fuel line clamp
- Special pick jaws
- Suitable for VW, Audi, SEAT, Skoda

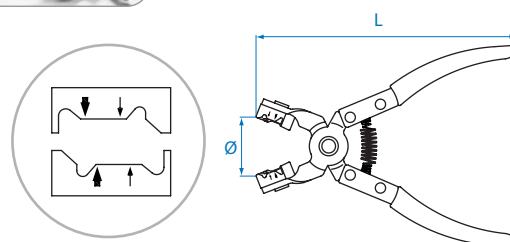


KT NO.	Ø mm	inch	L mm	g	kg	box
9AA17	27	6-3/4	171	188		12 / 60

360° CLIC Hose Clamp Pliers

9AA25

- Use to remove and install CLIC and CLIC-R clamp
- 360° swivel angle
- Suitable for VW, Audi, Opel, Citroen, Peugeot, Fiat, Renault, Mercedes-Benz



KT NO.	Ø mm	inch	L mm	g	kg	box
9AA25	32	7	175	224		12 / 72

Fuel Line Pliers

9AB11

- Improved type can also use for fuel lines with plastic snap-together connectors
- Use for VW, Audi, Fiat, GM, Opel/Vauxhall, Mercedes-Benz



KT NO.	Inch	L	mm		
9AB11	9		228	312	12 / 72

9AB12

- For removal and replacement of the connections on the in-line fuel filter
- Use for VW, PSA, Fiat, Opel



KT NO.	Inch	L	mm		
9AB12	6		150	87	12 / 144



Piston Ring Compressor

9AC

- The square adjustment key wrench forces the rings into the grooves and the clutch prevents it from expanding



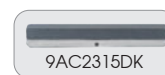
KT NO.	Inch	H mm	Ø Capacity Inch	mm	g	Box / Carton
9AC125-32	3-1/4	80	2-1/4~5	57~125	260	20 / 60
9AC125-40	4	100	2-1/4~5	57~125	280	20 / 60
9AC175-32	3-1/4	80	3-1/2~7	90~175	300	20 / 60
9AC175-40	4	100	3-1/2~7	90~175	320	20 / 60
9AC175-66	6-3/4	165	3-1/2~7	90~175	530	20 / 40

Engine Cylinder Hone 50~175mm

9AC231-54

- For engine cylinders bores from 50mm to 175mm
- Adjustable spring tension and spread limiter easy to remove carbon
- The hone stones is 220 grit, coarse grade

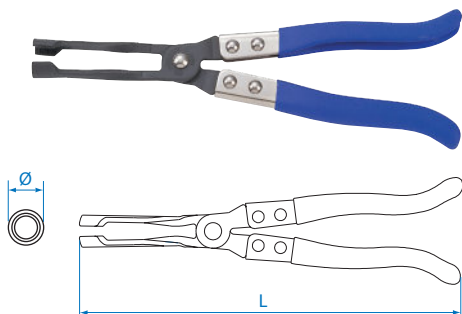
KT NO.	Ø Capacity mm	g	Box / Carton
9AC231-54	50~175	700	6 / 24



Valve Stem Seal Pliers

9AD11

- For removing valve stem seals in multi-valves engine
- Jaw longitudinal toothed - avoids slipping down
- For deeply leveled valve stem seals



KT NO.	Inch	L mm	Ø mm	g	Box / Carton
9AD11	11	275	9.5	400	12 / 48

Swivel Oil Filter Wrench

9AE31

- Professional swivel PVC dipped handle
- Easy to bend in different positions for reaching into narrow spaces



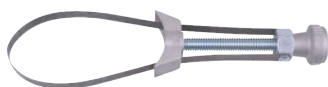
KT NO.	Ø Capacity mm	g	Box / Carton
9AE31-73	60~73	275	6 / 36
9AE31-85	73~85	283	6 / 36
9AE31-95	85~95	300	6 / 36
9AE31-111	95~111	307	6 / 36
9AE31-121	110~121	309	6 / 36
9AE31-134	120~134	322	6 / 36



Band Type Oil Filter Wrench

9AE32

- Adjustable metal band
- Suitable for filters between Ø65mm to Ø155mm



KT NO.	Ø Capacity mm		
9AE32-110	65~110	246	25 / 50
9AE32-155	110~155	252	25 / 50

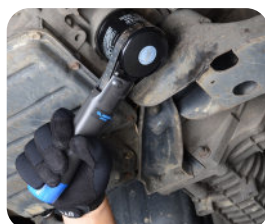
Quick Grip Oil Filter Wrench Set

9AE33

- Quick-adjustable tightening design
- Band type allows for narrow space
- Non-slip reaction teeth provides better grip



- The design offers a stronger clamping force



KT NO.	Ø Capacity mm		
9AE33-110	65~110	305	1 / 25
9AE33-155	110~155	311	1 / 25



Strap Wrench

3203

- Strap wrench for oil filter



KT NO.	Capacity mm	Overall length Inch mm		
3203	Ø 60~140	8-3/4 223	242	50
320300	strap		46	80
3203A0	Ø 60~260	8-3/4 223	300	45
320301	strap		73	80

32067A

- Aluminum alloy handle and strong polyester strap for tight grip
- Suitable for oil filter or any polished pipe



KT NO.	Overall Length Inch mm	Capacity mm		
32067A	12 295	Ø 60~180	344	25 / 50
3206A00	Polyester strap		35	25 / 50

320760

- Strap wrench for oil filter
- Use with 1/2" square drive tool



KT NO.	Overall length Inch mm	Capacity mm		
320760	11 280	Ø 60~160	256	12 / 72

Chain Wrench

3204

- Chain wrench for oil filter



KT NO.	Capacity mm	Overall length Inch mm		
3204	Ø 60~140	8-3/4 225	359	50

Chain Wrench

3205

- Heavy duty oil filter chain wrench, specially for auto, truck and agricultural equipment
- Flexible in confined space
- Suitable for all types of oil filters



Swiveling

- Adjust to appropriate size of the oil filter.



- Release the chain to reinstate it.

KT NO.	Capacity mm	Chain length mm		
320540	Ø 60~105	350	742	6 / 24
320560	Ø 60~160	520	880	6 / 24

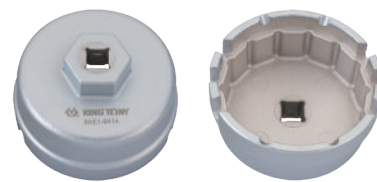


Cup Type Oil Filter Wrench

9AE1

3/8"

- 3/8" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Cup-type design, reduce the possibility to damage oil filters
- Material: Aluminum



KT NO.	Drive size	Diameter Inch	mm	Flutes	Applicable models		
9AE1-6414 (Aluminum)	3/8"	2-1/2	64	14	TOYOTA 4 Cylinder (1800CC,2000CC) ,ALLION, AURIS, COROLLA AXIO, ISIS, IST, COROLLA RUMION, COROLLA FIELDER, NOAH, PREMIO, PRIUS, VOXY, WISH, etc...	164	12 / 72

9AE2

3/8"

- 3/8" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters



KT NO.	Drive size	Diameter Inch	mm	Flutes	Applicable models		
9AE2-6514	3/8"	2-9/16	65	14	Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc...	220	12 / 72
9AE2-6567	3/8"	2-9/16 & 2-21/32	65 & 67	14	Fits same filters as made in Canada including, PH4386, PH4967, PH6017, PH6018, Daihatsu, Toyota, etc...	220	12 / 72
9AE2-6606	3/8"	2-19/32	66	6	Fiat(Punto, 1.2), Renault(Clio 1.2 Express, Kangoo. Rapid. Twingo), etc....	153	12 / 72
9AE2-7476	3/8"	2-29/32 & 3	74 & 76	15	Fits Fram, AC, Saturn, Opel, VW, Audi, Mercedes, etc....	167	12 / 72
9AE2-7608	3/8"	3	76	8	Fiat(z.B. Marea), Lancia(z.B. Delta), etc....	181	12 / 72
9AE2-7612	3/8"	3	76	12	Fiat(z.B. Ducato, Scudo, Ulysee),Renault, (Megane, Laguna, Espace III.), etc....	167	12 / 72
9AE2-7614	3/8"	3	76	14	Fits Champion, Champ Lee, Purolator, Mopar, VW, Porsche,Mercedes, BMW, Audi, Toyota, Opel, etc....	167	12 / 72
9AE2-8616	3/8"	3-3/8	86	16	Volvo(S40, S60, S70, S80) etc....	188	12 / 72
9AE2-8618	3/8"	3-3/8	86	18	VW. Golf.(MKIII. Tdi, Passat Tdi), Audi A6 Tdi, Renault(Clio, Rapid 1.9D, Laguna.Safrane. Espace 2.1D). Citroen, Peugeot, Renault, etc..	181	12 / 72
9AE2-9210	3/8"	3-40/64	92	10	Fiat, Cinquecento, Coupe, Croma, DAF, Fiat, Panda. Regata, Ritmo Fiat, Seicento. Tempra, Tipo, Lancia(Beta. Dedra. Kappa. Monte. Carlo. Prisma. Thema. Trevi), etc....	181	12 / 72
9AE2-9315	3/8"	3-21/32	93	15	Fits Casite, Champ, Champion, GM, Fram, Hastings,Purolator, Wix, Nissan, Volvo, Mazda, Audi, VW, Porsche, Renault, etc....	181	12 / 72
9AE2-9345	3/8"	3-21/32	93	45	VW-Audi.(TDi 2.4, 2.6, 2.8L), etc....	181	12 / 72
9AE2-9618	3/8"	3-3/4	96	18	Audi(A4 Tdi, VW Passat,97 Tdi), Renault (Laguna 2.2d. Safrane2.2D. Espace 2.2D. R19 2.2D. Rapid, Megane,1.9/2.1D. Tdi) etc..	208	12 / 72
9AE2-10615	3/8"	4-11/64	106	15	Fiat(Ducato 2.5D. Td), etc....	222	12 / 72
9AE2-10815	3/8"	4-8/32	108	15	Volvo(C70. S70. V70. Tdi. TD)(850 Tdi. TD) etc....	222	12 / 72
9AE2-10818	3/8"	4-8/32	108	18	Renault(Espace, Laguna, Master, Safrane, Traffic 2.4, 2.5, 2.8D. TD), etc....	222	12 / 72



Cup Type Oil Filter Wrench Set

9AE2002

3/8"

- 3/8" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters



2
PC.

KT NO.	Drive size	Diameter inch	Diameter mm	Flutes	Applicable models	g	1 / 40
9AE2-6514	3/8"	2-9/16	65	14	Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc...	282	
9AE2-6567	3/8"	2-9/16 & 2-21/32	65 & 67	14	Fits same filters as made in Canada including, PH4386, PH4967, PH6017, PH6018, Daihatsu, Toyota, etc...		



Cup Type Oil Filter Wrench Set

9AE2004

3/8"

- 3/8" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters



4
PC.

KT NO.	Drive size	Diameter inch	Diameter mm	Flutes	Applicable models	g	1 / 20
9AE2-6606	3/8"	2-19/32	66	6	Fiat (Punto, 1.2), Renault (Clio 1.2 Express, Kangoo, Rapid, Twingo), etc...	571	
9AE2-7608	3/8"	3	76	8	Fiat (z.B. Marea), Lancia (z.B. Delta), etc...		
9AE2-7614	3/8"	3	76	14	Fits Champion, Champ Lee, Purolator, Mopar, VW, Porsche, Mercedes-Benz, BMW, Audi (I.B.A3TD) Opel, etc...		
9AE2-9315	3/8"	3-21/32	93	15	Fits Casite, Champ, Champion, GM, Fram, Hastings, Opel, Mazda, Volvo, Mitsubishi, Purolator, Wix, Nissan, VW, Porsche, Renault, Ford, Honda, Audi, etc...		



Cup Type Oil Filter Wrench Set

9AE2016

3/8"

- 3/8" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- 1 PC. 1/2"(F)x3/8"(M) adapter
- 1 PC. 3 legs oil filter wrench(63-102mm)



16
PC.

KT NO.	Drive size	Diameter Inch	Diameter mm	Flutes	Applicable models	Kg 4.00	1 / 5
9AE2-6606	3/8"	2-19/32	66	6	Fiat(Punto, 1.2), Renault(Clio 1.2 Express, Kangoo, Rapid, Twingo), etc....		
9AE2-7476	3/8"	2-29/32 & 3	74 & 76	15	Fits Fram, AC, Saturn, Opel, VW, Audi, Mercedes, etc....		
9AE2-7608	3/8"	3	76	8	Fiat(z.B. Marea), Lancia(z.B. Delta), etc....		
9AE2-7612	3/8"	3	76	12	Fiat(z.B. Ducato, Scudo, Ulysee), Renault, (Megane, Laguna, Espace III.), etc....		
9AE2-7614	3/8"	3	76	14	Fits Champion, Champ Lee, Purolator, Mopar, VW, Porsche, Mercedes, BMW, Audi, Toyota, Opel, etc....		
9AE2-8616	3/8"	3-3/8	86	16	Volvo(S40, S60, S70, S80) etc....		
9AE2-8618	3/8"	3-3/8	86	18	VW, Golf.(MKIII, Tdi, Passat Tdi), Audi A6 Tdi, Renault(Clio, Rapid 1.9D, Laguna, Safrane, Espace 2.1D), Citroen, Peugeot, Renault, etc..		
9AE2-9210	3/8"	3-40/64	92	10	Fiat, Cinquecento, Coupe, Croma, DAF, Fiat, Panda, Regata, Ritmo Fiat, Seicento, Tempra, Tipo, Lancia(Beta, Dedra, Kappa, Monte, Carlo, Prisma, Thema, Trevi), etc....		
9AE2-9315	3/8"	3-21/32	93	15	Fits Casite, Champ, Champion, GM, Fram, Hastings, Purolator, Wix, Nissan, Volvo, Mazda, Audi, VW, Porsche, Renault, etc....		
9AE2-9345	3/8"	3-21/32	93	45	VW-Audi.(TDi 2.4, 2.6, 2.8L), etc....		
9AE2-9618	3/8"	3-3/4	96	18	Audi(A4 Tdi, VW Passat, 97 Tdi), Renault (Laguna 2.2d, Safrane 2.2D, Espace 2.2D, R19 2.2D, Rapid, Megane, 1.9/2.1D, Tdi) etc..		
9AE2-10615	3/8"	4-11/64	106	15	Fiat(Ducato 2.5D, Td), etc....		
9AE2-10815	3/8"	4-8/32	108	15	Volvo(C70, S70, V70, Tdi, TD)(850 Tdi, TD) etc....		
9AE2-10818	3/8"	4-8/32	108	18	Renault(Espace, Laguna, Master, Safrane, Traffic 2.4, 2.5, 2.8D, TD), etc....		
9AE423	3/8"	2-1/2~4	63~102	-	3 legged oil Filter Tool		
9AE221	1/2"	-	-	-	Adaptor 1/2" F x 3/8" M		



Cup Type Oil Filter Wrench

9AE0

1/2"

- 1/2" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Cup-type design, reduce the possibility to damage oil filters
- Material: Aluminum



KT NO.	Drive size	Diameter inch	Diameter mm	Flutes	Applicable models		
9AE0-6414 (Aluminum)	1/2"	-	64	14	TOYOTA.NISSAN	93	1 / 100
9AE0-7414 (Aluminum)	1/2"	-	74	14	AUDI. VW. OPEL. BMW. AUSTIN. 2003+FORD	118	1 / 100

9AE6

1/2"

- 1/2" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters



KT NO.	Drive size	Diameter inch	Diameter mm	Flutes	Applicable models		
9AE6-6514	1/2"	2-8/16	65	14	Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc...	112	12 / 72
9AE6-6514A	1/2"	2-9/16	65	14	Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc...	112	12 / 72
9AE6-6567	1/2"	2-9/16 & 2-21/32	65 & 67	14	Fits same filters as made in Canada including, PH4386, PH4967, PH6017, PH6018, Daihatsu, Toyota, etc...	222	12 / 72
9AE6-6606	1/2"	2-19/32	66	6	Fiat (Punto, 1.2), Renault (Clio 1.2 Express, Kangoo, Rapid, Twingo), etc...	222	12 / 72
9AE6-6814	1/2"	2-11/16	68	14	Fits Hastings, Mazda, Ford Escort, Capri, Subaru, Fran, PH6607 (Those Fram Filters Made in Korea), Motorcraft, FL816, etc...	222	12 / 72
9AE6-7314	1/2"	2-7/8	73	14	Fits Toyota/Lexus, etc...	222	12 / 72
9AE6-7414	1/2"	2-29/32	74	14	Audi, Volkswagen, BMW, Citroën, Peugeot, Ford, Fiat, Lancia, Mazda, Mercedes-Benz, Nissan, Vauxhall, Opel, Porsche, Renault, Suzuki, Toyota, etc...	153	12 / 72
9AE6-7415	1/2"	2-29/32	74	15	MF, Audi (#056-115-561g), GM, Rover, Chrysler, etc...	222	12 / 72
9AE6-7476	1/2"	2-29/32 & 3	74 & 76	15	Fits Fram, AC, Saturn, Opel, VW, Audi, Mercedes, etc...	243	12 / 72
9AE6-7577	1/2"	2-15/16 & 3-1/32	75 & 77	15	Fits VW, Audi, Casite, GM/AC, Hastings, Wix, NAPA, Ford, Isuzu, Mercedes, Opel, etc...	222	12 / 72
9AE6-7608	1/2"	3	76	8	Fiat (z.B. Marea), Lancia (z.B. Delta), etc...	222	12 / 72
9AE6-7612	1/2"	3	76	12	Fiat (z.B. Ducato, Scudo, Ulysee), Renault, (Megane, Laguna, Espace III), etc...	222	12 / 72
9AE6-7614	1/2"	3	76	14	Fits Champion, Champ Lee, Purolator, Mopar, VW, Porsche, Mercedes, Benz, BMW, Audi (I.B.A3TD) Opel, etc...	243	12 / 72
9AE6-7630	1/2"	3	76	30	Fits Motorcraft only-FL400A, Ford, etc...	243	12 / 72
9AE6-7815	1/2"	3-2/32	78	15	Nissan (#15028H8991), Ford, Toyota, Honda (Accord), etc...	243	12 / 72
9AE6-8015	1/2"	3-9/64	80	15	Fits Opel, Hastings, Fram, Purolator, Nissan, Honda, Motorcraft, Mazda, Isuzu, Subaru filters.	243	12 / 72
9AE6-8082	1/2"	3-9/64 & 3-7/32	80 & 82	15	Fits Wix Filters. Branded for: Mazda, Subaru, Toyota, Honda, Acura, Nissan, NAPA, etc...	243	12 / 72
9AE6-8414	1/2"	3-3/10	84	14	Mercedes Benz V6/V8 CDI models, etc...	194	12 / 72
9AE6-8616	1/2"	3-3/8	86	16	Volvo (S40, S60, S70, S80), etc...	180	12 / 72



Cup Type Oil Filter Wrench

9AE6

1/2"

- 1/2" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters



KT NO.	Drive size	Diameter inch	Diameter mm	Flutes	Applicable models		
9AE6-8618	1/2"	3-3/8	86	18	VW. Golf. (MKIII. TDi, Passat TDi), Audi A6 TDi, Renault (Clio, Rapid 1.9D, Laguna, Safrane, Espace 2.1D), Citroen, Peugeot, Renault, etc...	243	12 / 72
9AE6-9015	1/2"	3-17/32	90	15	Fits Honda (Accord). Mitsubishi. Mopar. Isuzu, etc...	180	12 / 72
9AE6-9210	1/2"	3-40/64	92	10	Fiat, Cinquecento, Coupe, Croma, DAF, Fiat, Panda, Regata, Ritmo Fiat, Seicento. Tempra, Tipo, Lancia (Beta. Dedra. Kappa. Monte. Carlo. Prisma. Thema. Trevi), etc...	260	12 / 72
9AE6-9315	1/2"	3-21/32	93	15	Fits Casite, Champ, Champion, GM, Fram, Hastings, Opel, Mazda, Volvo. Mitsubishi, Purolator, Wix, Nissan, VW, Porsche, Renault, Ford, Honda, Audi, etc...	260	12 / 72
9AE6-9336	1/2"	3-21/32	93	36	Fits Ford, Motorcraft only-FL1A, (FLA1B, FL300, FL820 Ford), etc...	260	12 / 72
9AE6-9345	1/2"	3-21/32	93	45	VW-Audi, (TDi 2.4, 2.6, 2.8L), etc...	260	12 / 72
9AE6-9515	1/2"	3-6/8	95	15	Toyota (#15600-41010) Alfa Romeo, GM, Ford, Chrysler.	260	12 / 72
9AE6-9618	1/2"	3-3/4	96	18	Audi (A4.A6, TDi), VW (Passat 97 TDi), Renault (Laguna 2.2D, Safrane 2.2D. Espace 2.2D.R19 2.2D. Rapid. Megane, 1.9/2.1D.TDi), etc...	260	12 / 72
9AE6-10015	1/2"	3-15/16	100	15	Fits Fram, Motorcraft, Wix, Isuzu, Mitsubishi, etc...	220	12 / 72
9AE6-10615	1/2"	4-11/64	106	15	Fiat (Ducato 2.5D.Td), etc...	190	12 / 72
9AE6-10815	1/2"	4-8/32	108	15	Volvo (C70.S70.V70.TDi.TD) (850 TDi. Turbo Diesel)	190	12 / 72
9AE6-10818	1/2"	4-8/32	108	18	Renault (Espace, Laguna, Master, Safrane, Traffic 2.4, 2.5, 2.8D. TD), etc...	190	12 / 72

Cup Type Oil Filter Wrench Set

9AE6002

1/2"

- 1/2" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters



2
PC.

KT NO.	Diameter inch	Diameter mm	Flutes	Applicable models		
9AE6-6514	2-9/16	65	14	Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc...	282	1 / 40
9AE6-6567	2-9/16" & 2-21/32	65 & 67	14	Fits same filters as made in Canada including, PH4386, PH4967, PH6017, PH6018, Daihatsu, Toyota, etc...		



Cup Type Oil Filter Wrench Set

9AE6030

1/2"

- 1/2" square drive
- Withstands up to 115.2 N-m(85 ft-lb)
- Coated with electro-black oxide finish for protection against rust
- Cup-type design, reduce the possibility to damage oil filters
- Suitable for 3/8" or 1/2" drive tool



30
PC.

KT NO.	Drive size	Diameter Inch	Diameter mm	Flutes	Applicable models	Weight Kg	Volume cm³
9AE6-6514	1/2"	2-8/16	65	14	Fits Nissan, Fiat Champ, Hasting. GM/AC, Wix, NAPA, Purolator, Daihatsu, Toyota, Nissan, etc...	6.67	1 / 3
9AE6-6567	1/2"	2-9/16 & 2-21/32	65 & 67	14	Fits same filters as made in Canada including, PH4386, PH4967, PH6017, PH6018, Daihatsu, Toyota, etc...		
9AE6-6606	1/2"	2-19/32	66	6	Fiat (Punto, 1.2), Renault (Clio 1.2 Express, Kangoo, Rapid, Twingo), etc...		
9AE6-6814	1/2"	2-11/16	68	14	Fits Hastings, Mazda, Ford Escort, Capri, Subaru, Fran, PH6607 (Those Fram Filters Made in Korea), Motorcraft, FL816, etc...		
9AE6-7314	1/2"	2-7/8	73	14	Fits Toyota/Lexus, etc...		
9AE6-7415	1/2"	2-29/32	74	15	MF, Audi (#056-115-561g), GM, Rover, Chrysler, etc...		
9AE6-7476	1/2"	2-29/32 & 3	74 & 76	15	Fits Fram, AC, Saturn, Opel, VW, Audi, Mercedes, etc...		
9AE6-7577	1/2"	2-15/16 & 3-1/32	75 & 77	15	Fits VW, Audi, Casite, GM/AC, Hastings, Wix, NAPA, Ford, Isuzu, Mercedes, Opel, etc...		
9AE6-7608	1/2"	3	76	8	Fiat (z.B. Marea), Lancia (z.B. Delta), etc...		
9AE6-7612	1/2"	3	76	12	Fiat (z.B. Ducato, Scudo, Ulysee), Renault, (Megane, Laguna, Espace III), etc...		
9AE6-7614	1/2"	3	76	14	Fits Champion, Champ Lee, Purolator, Mopar, VW, Porsche, Mercedes, Benz, BMW, Audi (I.B.A3TD) Opel, etc...		
9AE6-7630	1/2"	3	76	30	Fits Motorcraft only-FL400A, Ford, etc...		
9AE6-7815	1/2"	3-2/32	78	15	Nissan (#15028H8991), Ford, Toyota, Honda (Accord), etc...		
9AE6-8015	1/2"	3-9/64	80	15	Fits Opel, Hastings, Fram, Purolator, Nissan, Honda, Motorcraft, Mazda, Isuzu, Subaru filters.		
9AE6-8082	1/2"	3-9/64 & 3-7/32	80 & 82	15	Fits Wix Filters. Branded for: Mazda, Subaru, Toyota, Honda, Acura, Nissan, NAPA, Etc...		
9AE6-8616	1/2"	3-3/8	86	16	Volvo (S40, S60, S70, S80), etc...		
9AE6-8618	1/2"	3-3/8	86	18	VW. Golf. (MKIII. TDi, Passat TDi), Audi A6 TDi, Renault (Clio, Rapid 1.9D, Laguna, Safrane, Espace 2.1D), Citroen, Peugeot, Renault, etc...		
9AE6-9015	1/2"	3-17/32	90	15	Fits Honda (Accord). Mitsubishi. Mopar. Isuzu, etc...		
9AE6-9210	1/2"	3-40/64	92	10	Fiat, Cinquecento, Coupe, Croma, DAF, Fiat, Panda, Regata, Ritmo Fiat, Seicento, Tempra, Tipo, Lancia (Beta, Dedra, Kappa, Monte. Carlo, Prisma, Thema, Trevi), etc...		
9AE6-9315	1/2"	3-21/32	93	15	Fits Casite, Champ, Champion, GM, Fram, Hastings, Opel, Mazda, Volvo, Mitsubishi, Purolator, Wix, Nissan, VW, Porsche, Renault, Ford, Honda, Audi, etc...		
9AE6-9336	1/2"	3-21/32	93	36	Fits Ford, Motorcraft only-FL1A, (FLA1B, FL300, FL820 Ford), etc...		
9AE6-9345	1/2"	3-21/32	93	45	VW-Audi, (TDi 2.4, 2.6, 2.8L), etc...		
9AE6-9515	1/2"	3-6/8	95	15	Toyota (#15600-41010) Alfa Romeo, GM, Ford, Chrysler.		
9AE6-9618	1/2"	3-3/4	96	18	Audi (A4.A6, TDi), VW (Passat 97 TDi), Renault (Laguna 2.2D, Safrane 2.2D, Espace 2.2D.R19 2.2D, Rapid, Megane, 1.9/2.1D.TDi), etc...		
9AE6-10015	1/2"	3-15/16	100	15	Fits Fram, Motorcraft, Wix, Isuzu, Mitsubishi, etc...		
9AE6-10615	1/2"	4-11/64	106	15	Fiat (Ducato 2.5D.Td), etc...		
9AE6-10815	1/2"	4-8/32	108	15	Volvo (C70.S70.V70.TDi.TD) (850 TDi. Turbo Diesel)		
9AE6-10818	1/2"	4-8/32	108	18	Renault (Espace, Laguna, Master, Safrane, Traffic 2.4, 2.5, 2.8D. TD), etc...		
9AE433	1/2"	2-9/16~4-23/32	65~120		3 legged oil Filter Tool		
9AE221	1/2"	-	-	-	Adaptor 1/2" F x 3/8" M		



Oil Filter Socket Set

9AE8006

3/8"

6
PC.

- 3/8" square drive
- The set includes sizes 24, 27, 30, 32, 36 and 38mm
- 6 PC. oil filter sockets designed for removal of oil filter canisters and covers
- Withstands up to 115.2 N-m(85 ft-lb)



KT NO.

■ Drive
size

○ Flutes

Applicable models



1.11



12 / 24

9AE8-24	3/8"	6	Audi BMW: 5 / 7 Series (N62) V8 engines from 2004 onward Cadillac: ATS 36
9AE8-27	3/8"	6	BMW, Ford, Fiat, GM, Renault, VAG, PSA Mercedes-Benz: A-CLASS Nissan: 1.5 / 1.9 / 2.2 / 2.5 dCi engines
9AE8-30	3/8"	6	Audi, Skoda, Seat, VW
9AE8-32	3/8"	6	GM, VAG BMW: 335D, X5 35d(09~10), X5 xDrive 35d(11~13) Opel / Vauxhall: Astra-G, Corsa-B, Zafira
9AE8-36	3/8"	6	Audi: A3 2.0(04~08), A4 2.0(04~08) BMW: M52, M54, M60, M62, M70 & M73 engines Ford: Mondeo 2.0D 16V Dura Torq engines, Transit 2.5 & 2.0 diesel engines Jaguar: 2.2D engines Mercedes-Benz: 116MB engine Vito CDI Mini: R56 Opel / Vauxhall: Omega DL 16V, Vectra 2.0, Zafira VAG: VAG 1.9 SDi (ASY), Golf GTI 2.0, Passat 2.0, VR6 Volvo
9AE8-38	3/8"	6	BMW, Volvo Opel / Vauxhall: Vectra 2 liter diesel engines

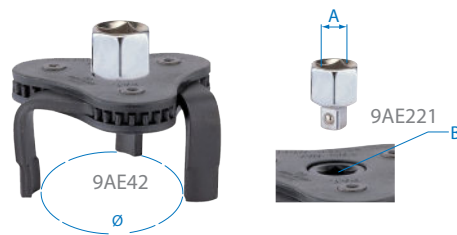


Three-Legs Oil Filter Wrench

9AE42

- The claw-type filter is available for removing all oil filters from 2-1/2" to 4" (63-102mm) in diameter
- Suitable for 3/8" or 1/2" square drive tool
- Coated with electro-black oxide finish for protection against rust
- CW & CCW direction**

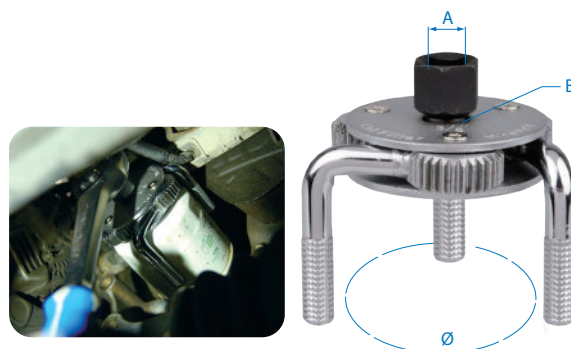
KT NO.	A inch	B inch	Ø Capacity inch	mm		
9AE42	1/2	3/8	2-1/4~4	63~102	395	12 / 48
9AE221	1/2	3/8	-	-	39	-
9AE433	1/2	3/8	2-9/16~4-23/32	65~120	502	12 / 36



9AE43

- The claw-type filter is available for removing all oil filters from 3" to 4-3/4" (75-120mm) in diameter
- Suitable for 3/8" or 1/2" square drive tool
- Heavy duty design
- CW & CCW direction**

KT NO.	A inch	B inch	Ø Capacity inch	mm		
9AE43	1/2	3/8	3~4-3/4	75~120	604	1 / 36

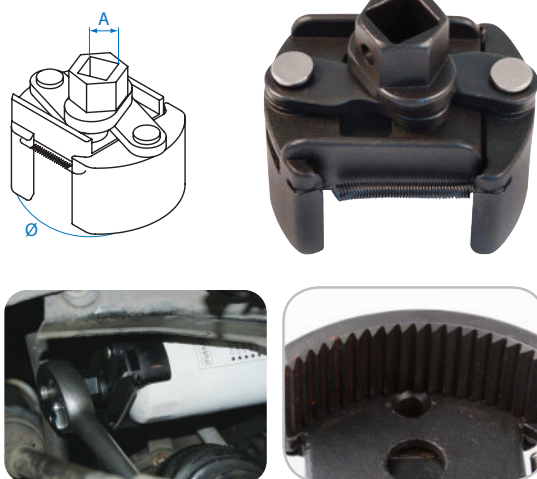


Two Jaws Oil Filter Wrench

9AE52

- The two jaws oil filter wrench is capable of removing all kinds of oil filter
- Suitable for using with 1/2" square drive tool
- Lost wax coating with electro-black oxide finish for protection against rust
- Specially teeth designed steel jaws

KT NO.	A inch	Ø Capacity inch	mm		
9AE52	1/2	2-3/8~3-1/8	60~80	470	1 / 16
9AE52-110	1/2	3-1/8~4-5/16	80~110	985	1 / 12



9AE53

- The claw-type filter is available for removing all oil filters from 3-1/8" to 4-1/2" (80-115mm) in diameter
- Suitable for using with 1/2" square drive tool
- Coated with electro-black oxide finish for protection against rust

KT NO.	A inch	Ø Capacity inch	mm		
9AE53-115	1/2	3-1/8~4-1/2	80~115	667	6 / 24



Adjustable Oil Filter Pliers

9AE71

- Adjustable sizes from 60 to 140mm
- Serrated jaws

KT NO.	inch	L mm	Ø Capacity mm		
9AE71-90	9	230	60-90	357	12 / 72
9AE71-115	10	260	85-115	400	12 / 60
9AE71-140	14-1/2	365	100-140	897	1 / 20



Locking Grip Oil Filter Pliers

9AE72

- Lock and grip oil filters or any irregular shaped object for quick tightening or removal
- Use for adjusting and fastening at any angle

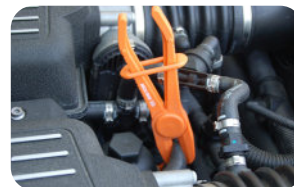
KT NO.	inch	L mm	Ø Capacity mm		
9AE72	10	254	53-118	458	12 / 48



Hose Pinch & Set

9AF11

- Adjustable edges ensure no damage to hose
- For hoses from Ø15 mm up to Ø60 mm
- Suitable for clamping radiator, heater, fuel, coolant and brake hoses



KT NO.	inch	L mm	Ø Capacity mm		
9AF11-15	6-1/8	155	15	44	12 / 48
9AF11-30	7-9/32	185	30	76	12 / 48
9AF11-60	10	253	60	125	12 / 48



9AF113

- Adjustable edges ensure no damage to hose
- For hoses from Ø15 mm up to Ø60 mm
- Suitable for clamping radiator, heater, fuel, coolant and brake hoses

 245  12 / 48



9AF11-60



9AF11-30



9AF11-15

3
PC.



Fuel Gauge & Pump Sender Collar Wrench

9AG11

- Use for removing and fitting fuel gauge sender collars to avoid damage
- 3 jaws to ensure high torque and no risk to damage plastic collar
- Use with 19mm wrench or socket
- Suitable for most collars from 89 to 170mm



KT NO.	Ø mm	 kg	 / 
9AG11	89~170	1.05	1 / 12

Adjustable Fuel Tank Lid Remover

9AG13

- Use for removing and fitting fuel gauge sender collars to avoid damage
- Special jaws design, no risk to damage plastic collar
- Use with 3/8" DR.
- Suitable for collars from 122 ~ 199mm

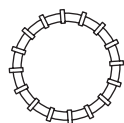
 560  /  1 / 24



BMW



BENZ



VW . AUDI
BENZ . BMW



Diesel Injector Extractor Tool

9AN021

- Use to remove injectors without dismantling the engine
- Suitable for Bosch injectors in Mercedes-Benz CDI engines 2.1 L and 2.2 L
- Application : Benz for Vito, Sprinter, Viano, C class, E class, CLC, CLK

 2  /  1 / 6

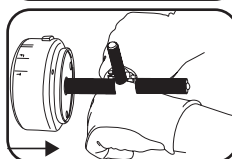
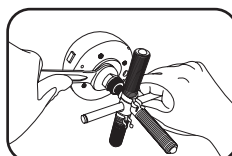


6 in 1 Fly Wheel Puller

9XAH1

- This tool is designed to offer 6 different sizes for the Flywheel wheel rings on motorcycles
- Sizes include: M20 x 1.5R / M14 x 1.5R / M16 x 1.5R / M18 x 1.5R / M24 x 1.0R / M27 x 1.0L

 730  /  1 / 24

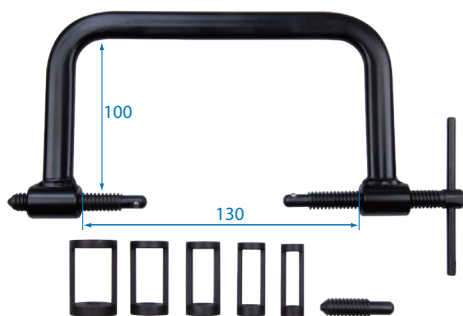


Valve Spring Compressor Set

9AH31

- Use for compress of motorcycle or small engines valve spring
- Adapter size: 16, 19, 23, 25, 30mm
- Capacity: 130mm
- Throat depth: 100mm

 1.31  1 / 2



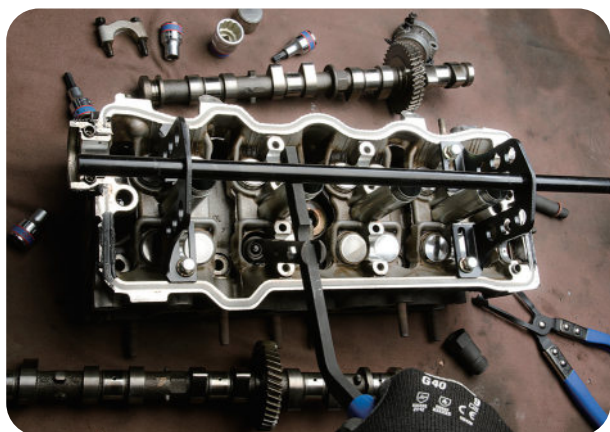
9AH12

- Complete service tool set for OHV & OHC petrol or diesel engines on Audi, Nissan, Toyota, Chrysler, Honda, Mazda, Mitsubishi, Saturn, Lexus, Hyundai, Infiniti, Porsche, Volvo, VW

 3.75  1 / 5



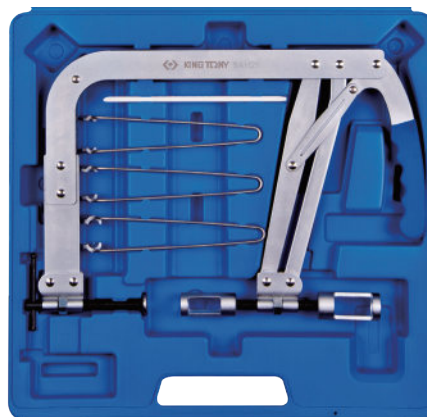
10
PC.



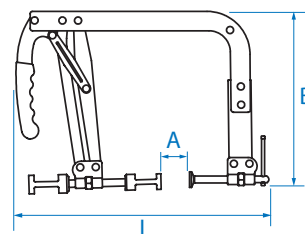
Valve Spring Compressor Set

9AH025

- Suitable for large engines & diesel engines
- Capacity: 35~140mm
- Unique direct action compressor lever gives improved visibility & ease of using in areas of difficult access
- Dual size in 25 and 30mm adapter



5
PC.



KT NO.	A mm	B mm	L mm		
9AH025	35~140	280	390	5	1 / 5



Valve Lappers

9AH0311

- For hand lapping valves

 100  12 / 108

2
PC.



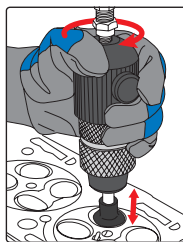
KT NO.	Diameter Cups Size	
9AH0311	1-1/8" (29mm)	1-3/8" (35mm)
	5/8" (16mm)	13/16" (21mm)



Heavy Duty Air Valve Lapper Set

9AH0321

- Design for operating in tough environments
- Adjustable speed regulator for precise control during operation
- Complete with rubber caps of 20, 30, 35, 45mm



5
PC.

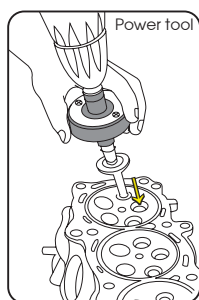
KT NO.	Free Speed R.P.M	Pistone Stroke inch mm	Overall Length inch mm	Air Inlet inch	Air Hose ID	Average Air Consumption CFM L/min	kg	
9AH0321	5600	1.1 29	9.0 228	1/4	3/8	2.5 71	1.82	1 / 10

Oscillating Valve Lapping Tool

9AH0331

- Facilitates the easy insertion of valves
- Automatic change in direction
- Use with fine grinding paste
- Two different suction cups: 22mm / 28mm
- Working speed(Max):1000rpm

287 10 / 40



• 8mm for Drill Shank

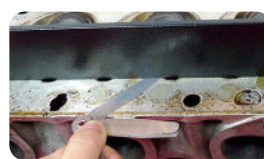
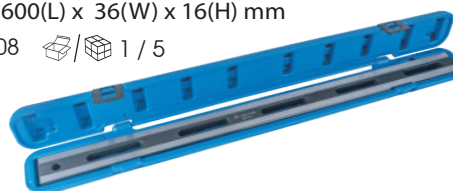
• 13mm Shaft for attaching the suction cups

Cylinder Head Surface Rectifier

9AH41

- Precise test for engine block and cylinder head when reassembling or overhauling an engine
- Work with a feeler gauge
- Suitable for 4 and 6 cylinder engine
- Refer to automotive manufacturer's service manual for the minimum clearance
- Size : 600(L) x 36(W) x 16(H) mm

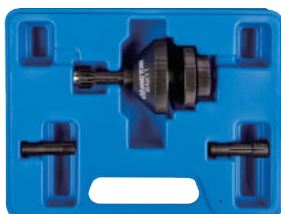
4.08 1 / 5



Universal Clutch Aligner Set

9AK11

- Designed to make alignment and assembly of clutch
- Specially designed for those vehicles equipped with late-model front wheel drives without pilot bearing in flywheel



3
PC.

CONTENTS :

- 9AK11P03
Ø 23 ~ 27mm
- 9AK11P02
Ø 19 ~ 23mm
- 9AK11P01
Ø 15.5 ~ 20mm

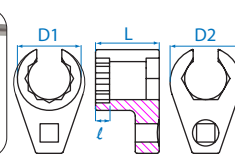
KT NO.	mm	kg	
9AK11	15.5~27	0.60	1 / 20

Oxygen Sensor Socket

9AJ3122

3/8"

- For installing and removing oxygen sensors
- Offset design for confined areas

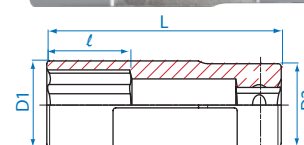


KT NO.	mm	D1 mm	D2 mm	mm	L mm	kg	
9AJ3122	22	34	38	8	34	178	1 / 100

9AJ4322

1/2"

- For oxygen sensors
- Featuring a slot for the connecting lead



KT NO.	mm	D1 mm	D2 mm	mm	L mm	kg	
9AJ4322	22	32	30	30	85	294	5 / 60

Oxygen Sensor Socket Set

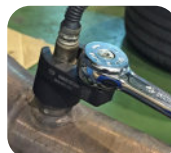
9AJ017

3/8"+1/2"

- 7 PC. special sockets for removing oxygen sensors
- Suitable for most vehicles : Volkswagen, BMW, PSA, Mercedes-Benz, Ford, etc...

2.33 kg 1 / 10

KT NO.	Part.	Size	mm
9AJ4229		1/2"	29
9AJ3322		3/8"	22
9AJ4227		1/2"	27
9AJ3222		3/8"	22
9AJ3127		3/8"	27
9AJ4122		1/2"	22
9AJ3122A		3/8"	22

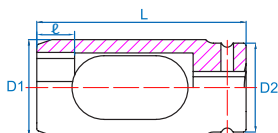


7 PC.

Diesel injection Socket

9AN4128

- Suitable for Alfa Romeo, Chrysler, Land Rover, Rover, etc...

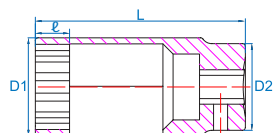


KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	
9AN4128	28	38.1	35.2	15	83	339	5/60



9AN4227

- Suitable for BMW, Fiat, Ford, etc...



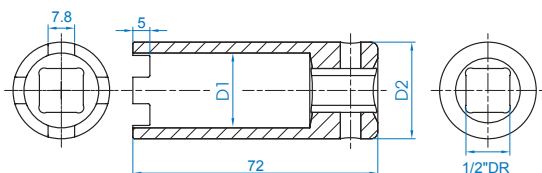
KT NO.	mm	D1 mm	D2 mm	l mm	L mm	g	
9AN4227	27	36.5	32.2	12.7	78	209	5/60



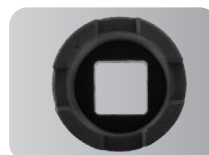
Man & Benz Truck Diesel Injection Valve Socket

9AN43

- The tool is designed to remove and install diesel injection valve
- Application: MAN 422/403, BENZ Truck, SCANIA



KT NO.	D1 mm	D2 mm	Tooth	g	
9AN43	22	28.4	4	181	10 / 80



Self Adjusting Clutch Alignment Setting Tool Set

9AK21

- Prevent damage to system and to keep adapter ring in right position
- Necessary for pre-tensioning self adjusting clutches before removal or installation, avoiding clutch deformation
- Prevents plate distortion
- Suitable for most SAC(Self Adjusting Clutches 3 and 4 holes) equipped on vehicles of FIAT GROUP, VW, AUDI, BMW, Mercedes-Benz, VOLVO, OPEL, RENAULT etc

10.75 1 / 2



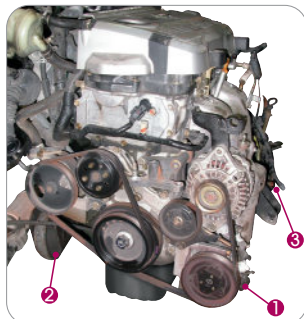
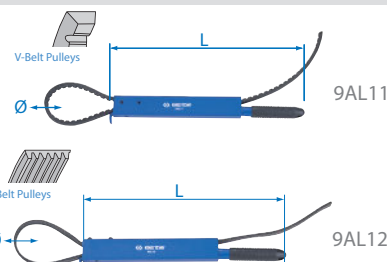
38
PC.

Pulley Removing Wrench

9AL

- To lock the pulley during removing or assembling any type of pulley retaining bolt

KT NO.	inch	mm	mm		
9AL11	14-3/8	365	40~140	540	12 / 36
9AL12	14-3/8	365	40~140	540	12 / 36



• Compressors



• Water pump pulley



• Alternator pump pulley



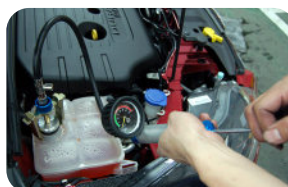
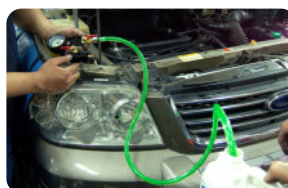
• Oil filter removal & assembly

Universal Cooling Pump and Refiller Tool Set

9AM01

- For testing leakage in radiator system
- Vacuum leakage testing and bubble-free refilling
- Special pick hooks to speed up replacement of pipes
- Quick-release coupling on each connections
- Rubber cones with functional diameter 17~40mm

KT NO.	Type			
9AM010	Japan		3.40	1 / 5
9AM011	USA		3.40	1 / 5
9AM012	Europe		3.40	1 / 5



7
PC.



CAUTION DO NOT open the radiator cap on a hot engine

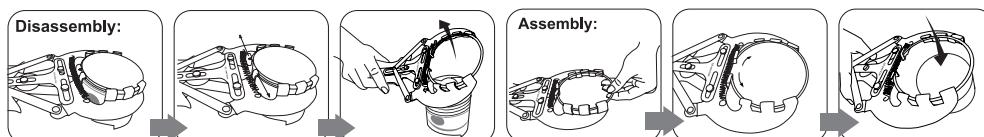
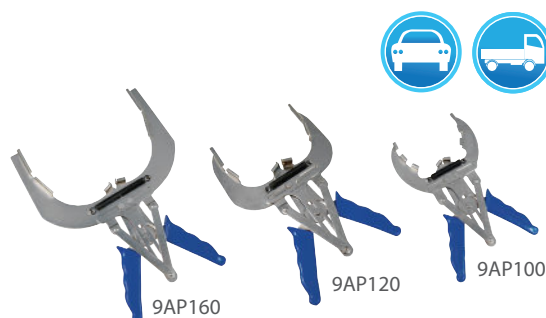


Piston Ring Pliers

9AP

- For removing and mounting piston rings
- Nickel plated

KT NO.	L Inch	mm	Ø Capacity mm		
9AP100	8-11/32	212	50~100	323	12 / 48
9AP120	8-15/16	227	80~120	354	12 / 48
9AP160	9-61/64	253	110~160	458	12 / 48



Drain Plug Removal Tool

9AR21

3/8"

- Use for removing and installing of the plastic oil drain plug on the latest VAG vehicle
- 3/8" DR and HEX 17 mm
- For VW, Audi, Skoda, Seat 1.2 / 1.4 / 1.8 / 2.0 TFSI oil drain plug and 1.6 / 2.0 TDI diesel engines cam cover plug

 20  12 / 288



Plastic Drain Plug

9AR29-S

- Suitable for VW, Audi, Skoda, Seat 1.2 / 1.4 / 1.8 / 2.0 TFSI oil drain plug and 1.6 / 2.0 TDI diesel engines cam cover plug
- Use with removal tool 9AR21
- OEM numbers 06L 103801

 13  1 / 144



Oil Drain Plug Key Set

9AR11

- Suitable for sump plugs on engine, gearbox and back axle
- Contents :
Hex key socket : H8, H9, H10, H12, H13, H14, H17 mm
Square socket : 5/16", 3/8", 7, 8, 10, 11, 12, 13, 14 mm
Torx socket : T45
Triangular socket : 10mm
Spline (TAMPER) socket : M16
Square drive socket : 10mm
3/8" drive sliding T-handle

 1.70  1 / 10



21
PC.

Diesel Injector Puller Set

9AS11

- The set contains M8, M12, M14, M17 adaptor
- Suitable for various vehicles with Bosch and Lucas type diesel injectors
- Remove stubborn diesel injectors easily and quickly
- New M17 adaptor for GM Vauxhall / Opel injectors X20DTH / Y20DTH series engines

 1.11  1 / 20

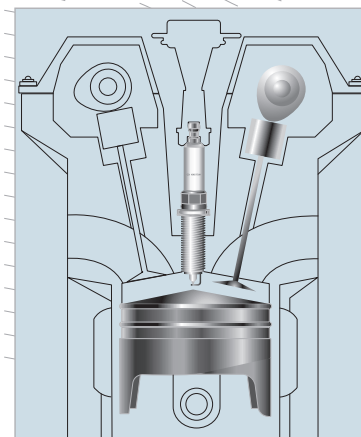


Why spark plugs need torque tightening ?

1. Modern engines cylinder heads are made of aluminium alloy
2. A correct factory-set gaps can provide best performance

Cylinder head material	Thread diameter (mm)				
	M8	M10	M12	M14	M18
Cast iron	-	10~15 N·m	15~25 N·m	25~35 N·m	35~45 N·m
Aluminium	8~10 N·m	10~12 N·m	15~20 N·m	25~30 N·m	35~40 N·m

Suggested torque for spark plugs with gasket, always follow factory owner's manual



3/8" Spark Plug Sockets

3/8"	Size (inch)	Size (mm)	Type		Socket L(mm)			
					63	70	90	250
	9 / 16	14	6 pt	Rubber	36B514			
			12 pt	Rubber	36B014		36C014	36D014
			12 pt	Metal clip	367014			
	5 / 8	16	6 pt	Rubber		363516		
			12 pt	Rubber		363016		
			6 pt	Magnet		366516		
			12 pt	Magnet		366016		
	23 / 32	18	12 pt	Rubber	36B018			
			6 pt	Metal clip	367518			
			12 pt	Metal clip	367018			
	13 / 16	20.8	6 pt	Rubber		363521		
			12 pt	Rubber		363021		
			6 pt	Magnet		366521		
			12 pt	Magnet		366021		

1/2" Spark Plug Sockets

1/2"	Size (inch)	Size (mm)	Type		Socket L(mm)
					70
	9 / 16	14	6 pt	Rubber	463514RC
			12 pt	Rubber	463014RC
	5 / 8	16	6 pt	Rubber	463516RC
			12 pt	Rubber	463016RC
			6 pt	Magnet	466516C
			12 pt	Magnet	466016
	23 / 32	18	6 pt	Magnet	
	13 / 16	20.8	6 pt	Rubber	463521RC
			12 pt	Rubber	463021RC
			6 pt	Magnet	466521C
			12 pt	Magnet	466021

Torque Wrench & Accessory



KT NO.	Gear Teeth	Square Drive	Torque Range in-lb / ft-lb	Incr.	Torque Range N-m	Incr.
34362-1CG	24	3/8"	40~200 in-lb	1 in-lb	5.1~22.0 N-m	0.12 N-m
34362-2CG	32	3/8"	15~80 ft-lb	0.5 ft-lb	23.7~105.1 N-m	0.7 N-m

KT NO.	Gear Teeth	Square Drive	Torque Range N-m	Incr.
34362-2DG	32	3/8"	20~100 N-m	0.5 N-m
34362-3DG	32	3/8"	10~60 N-m	0.5 N-m

KT NO.	Square Drive	Torque Range N-m	Torque Range ft-lb	Total Length kgf-m
34307-1A	3/8"	27~135 N-m	19.9~99.6 ft-lb	2.75~13.76 kgf-m

1/2" drive (M)	3/8" drive (F)	KT NO.	Spec.
		3814	3/8"F x 1/2"M

Spark Plug Rethreader Set

11305SQ

- Spark plug rethreader set is used for rethreading damaged spark plug threads in aluminum cylinder heads



KT NO.	Size mm	Type inch		
11305SQ	14	3/8, 7/16, 1/2, 3/4	13	12 / 72

Double Size "L" Handle

1586

- Material : Chrome vanadium alloy steel
- For oil plug



KT NO.	Overall length inch	mm	Size inch	mm		
1586-09	9	230	5/16 x 3/8	8 x 10	320	6 / 48

1596

- Material : Chrome vanadium alloy steel
- For oil plug



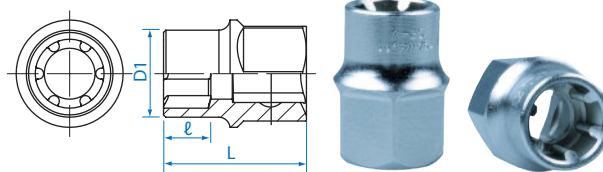
KT NO.	Overall length inch	mm	Size inch	mm		
1596-09	9	230	3/8	10	290	6 / 48

Ribe Socket M10S

9AW4911

1/2"

- 6 points
- Use for replacing and removing idler pulley center screw on TOYOTA ALTIS
- 1/2" DR. socket ribe M10S for TOYOTA



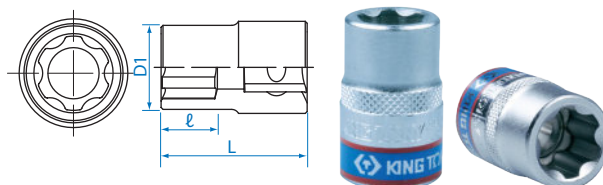
KT NO.	Size	D1 mm	l mm	L mm		
9AW4911	M10S	19	10	33.8	16	10 / 200

Ribe Socket M12S

9AW4901

1/2"

- 6 points
- Use for replacing and removing engine head screw and flywheel center screw on NISSAN models
- 1/2" DR. socket ribe M12S for NISSAN



KT NO.	Size	D1 mm	l mm	L mm		
9AW4901	M12S	22	14	38	15	10 / 200

Bearing Race and Seal Driver Set

9BA11

- Quick and easy to insert bearing race
- Collars fit most standard wheel bearing sizes
- Helps reduce damage to both race and axle housing
- 9 collar sizes:

- 1.574"/40mm
- 1.732"/44mm
- 1.968"/50mm
- 2.322"/59mm
- 2.480"/63mm
- 2.559"/65mm
- 2.834"/72mm
- 2.992"/76mm
- 3.189"/81mm

1.8 1 / 10



10
PC.



Universal Bearing Ring Puller

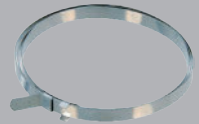


9BA41

- Three jaws with the thin edge provide an equal grip tension to avoid any slide or tilt
- Suitable for all kind of bearing and sleeves diameter 10 to 125mm
- Applicable : For universal vehicles

KT NO.	Ø Capacity mm	Kg	Box / Carton
9BA41	10~125mm	3.6	1 / 4

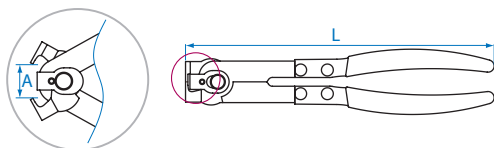


Hose Clamp	KT Item	Suitable Car Brand
 CV Boot Clamp	9BB11	VW, Audi, BMW, Ford, GM, Opel, Nissan, Mercedes- Benz, Mazda, Honda, Chrysler, Citroen, Seat
 Ear Clamp	9BB12	
 CV Boot Clamp	9BB13	
	9BB31	Universal

Ear Hose Clamp Pliers

9BB11

- Use to remove and install ear clamp
- Special hook jaw easy to hold clamp in position
- Suitable for CV joint boot, vacuum lines, and cooling system

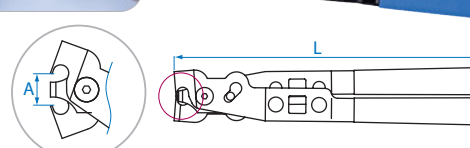


KT NO.	inch	L mm	A max mm	g	Box / Carton
9BB11	10	260	22.5	364	12 / 48

CV Boot Clamp Pliers

9BB12

- Use to remove and install stainless CV boot clamp
- Can be used with 1/2" flexible handle bar or torque wrench
- Suitable for Audi, Opel, Citroen, SEAT, BMW, Mercedes-Benz, Honda, Nissan, Mazda, Ford, GM, Chrysler

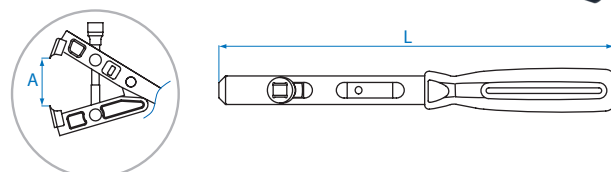
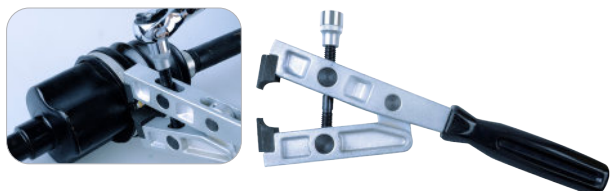


KT NO.	inch	L mm	A max mm	g	Box / Carton
9BB12	9-1/2	235	12	512.4	6 / 36

CV Boot Clamp Pliers with Socket

9BB13

- Used to remove and install stainless CV boot clamp
- Can be used with 3/8" flexible handle bar or torque wrench
- Suitable for Audi, Opel, Citroen, SEAT, BMW, Mercedes-Benz, Honda, Nissan, Mazda, Ford, GM, Chrysler

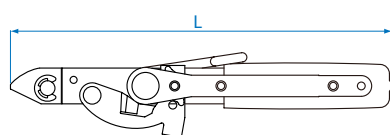


KT NO.	inch	L mm	A max mm	g	Box / Carton
9BB13	11	278	45	888	6 / 24

CV Boot Clamp Installer

9BB31

- Used to cut and install clamp with built-in cutting arm
- Includes locking device and ratchet function
- Suitable for general vehicle types



Lock



Cut



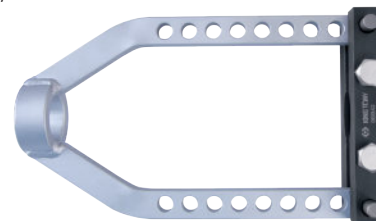
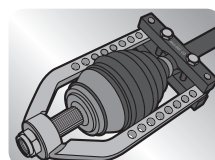
KT NO.	inch	L mm	g	Box / Carton
9BB31	6-1/2	124	347	12 / 36

CV Joint Assembly Removal Tool

9BB42

- Separates the CV Joint from the axle without removing the drive shaft
- Reduces the risk of damaging the transmission, or the CV joint
- Multiple hole pattern allows adjustment to different depths
- Suitable for most vehicles equipped with Constant Velocity U-joints

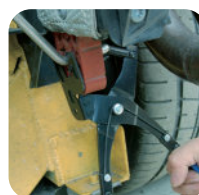
kg 1.77 Box / Carton 1 / 10



Exhaust Pipe Hanger

9BP11

- Used to remove rubber holders from exhaust brackets
- Suitable for general vehicle types

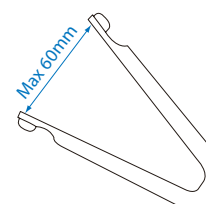
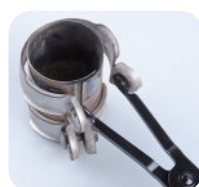


KT NO.	inch	L mm	A max mm	g	Box / Carton
9BP11	10	250	60	339	12 / 36

Exhaust Clamp Pliers

9BP21

- Used to remove and install exhaust clamps
- Include spring and locking mechanism
- Suitable for Citroen/Peugeot, Renault and prizing open types of exhaust clamps



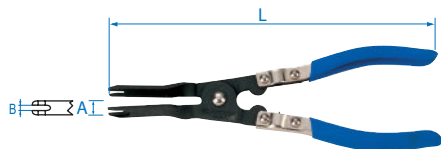
KT NO.	inch	L mm	A max mm	g	Box / Carton
9BP21	12	300	60	496	12 / 36



Handbrake Cable Pliers

9BC11

- For hand brake cable removal and replacing
- Suitable for Audi, BMW, Citroen, Nissan, Peugeot, Seat, Renault, Rover, etc



KT NO.	inch	L mm	A max mm	B mm		
9BC11	9	230	60	5	198	12 / 48

Disc Brake Piston Separator

9BC21

- Heavy duty drop forged construction
- Fits in brake caliper to push back pistons for new brake pads installation

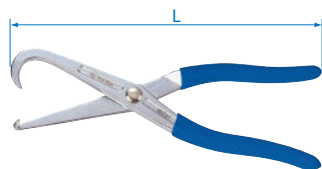


KT NO.	Max capacity inch	mm		
9BC21	2-7/8	75	1130	1 / 20

Drum Brake Spring Pliers

9BC121

- Designed to remove and replace brake retaining spring on drum brakes



KT NO.	inch	L mm		
9BC121	8-1/2	215	305	6 / 72

Universal Disc Brake Wind-Back Tool Set

9BC22

- Magnetic socket adapter
- Including 9 adapters for brake assemblage
- For rotating pistons back into caliper to provide clearance for new pads
- Prevents damage to the piston and boot
- Suitable for VW, Audi, Ford, Nissan, Alfa romeo, Rover, Saab, Subaru, Toyota, Jaguar, and most of the general motors

2.87 1 / 6



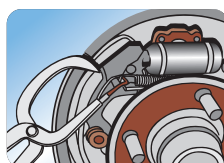
11
PC.



HGV Drum Brake Spring Pliers

9BC124

- Designed to remove and replace brake retaining spring on drum brakes
- Extra strong version for HGV air or hydraulic drum brakes



KT NO.	inch	L mm		
9BC124	20-5/8	525	1250	3 / 6

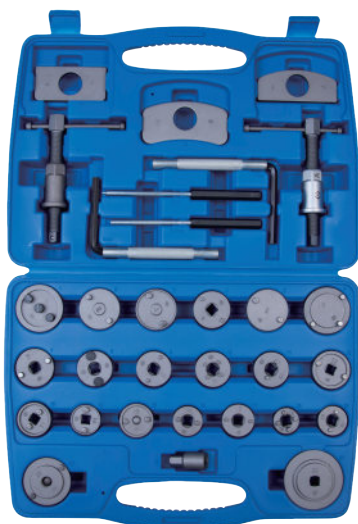


Universal Disc Brake Wind-Back Tool Set

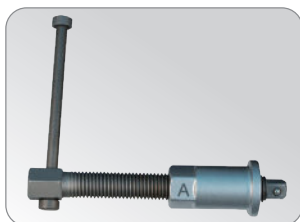
9BC23

- For rotating pistons back into caliper to provide clearance for new pads
- Prevents damage to the piston and boot
- Suitable for BMW, Ford, VW, Audi, Porsche, Saab, Opel, Volvo, Jaguar, Citroen, Peugeot, Renault, Lauxhall, Lancia, Alfa romeo, Fiat, Nissan, Honda, Subaru, Toyota, Mitsubishi
- Contents:
 - 21 PC. Adapters for brake assemblage
 - 3 PC. Backing pads
 - 2 PC. Rotating caliper with 3/8" DR. (right/left side threaded)
 - 2 PC. Hex key: 7, 8mm
 - 2 PC. Pin punch : Ø 5.5, 6mm
 - 1 PC. 3/8" DR. x 12mm hex key socket

Kg 4.87 1 / 4



31
PC.



Brake Caliper Piston Tool

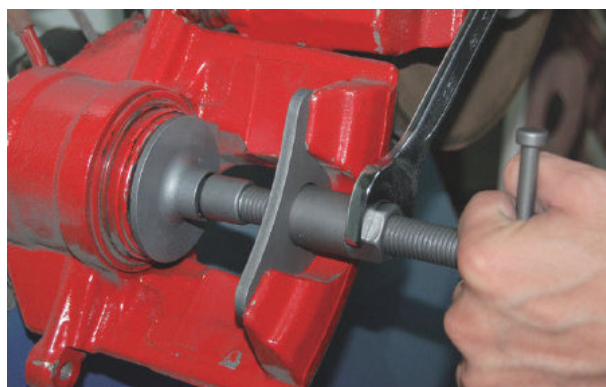
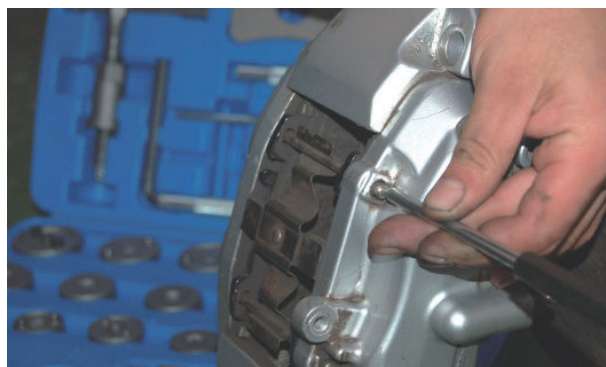
9BC24A

- For rotating pistons back into caliper to provide clearance for new pads
- Fast and easy to use, prevents damage to the piston and boot
- Fits most European and Japanese vehicles



3
PC.

KT NO.	A(mm)	Capacity B(mm)	g	5 / 30
9BC24A	22	33	700	

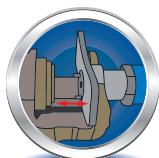


Pneumatic Disc Brake Wind-Back Tool

9BC251A01

- Designed to make disc brake services faster and energy saving
- Tool can be turned left and right ward - suitable for regular and reverse-threaded pistons
- Pneumatic powered tool is able to wind pistons back simply pressing a button

1.35 1 / 10



Increase the use of space



Magnetic

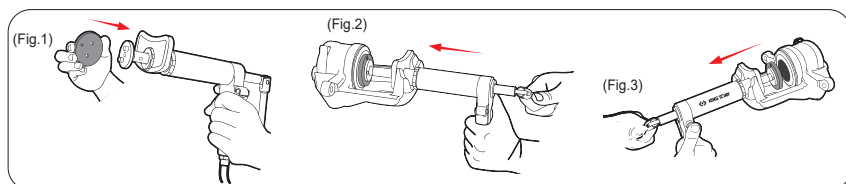


Pneumatic Disc Brake Wind-back Tool Set

9BC251

- Air operated ram applies pressure to caliper piston, while the handle is rotated by hand
- Easy to use- works on standard workshop air supply
- Reversible- works on both RH and LH applications
- Can be used on wind back and push back piston
- Supplied with adaptor, which covers a wide range of popular vehicles
- Full range of additional specialist adaptors available
- Suitable for Mercedes-Benz, BMW, Audi, VW, Opel, Volvo, Jaguar, Citroen, Fiat, Peugeot, Alfa romeo, Saab, Lancia, Toyota, Honda, Nissan, Mitsubishi, Isuzu, Mazda, Subaru, GM, Ford, Rover

3.20 1 / 5



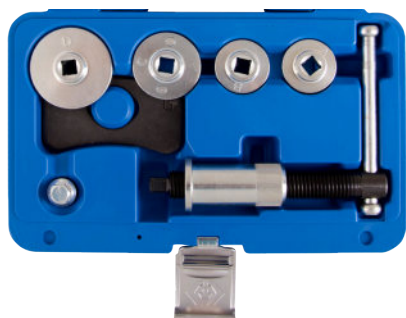
18 PC.

Universal Disc Brake Wind-Back Tool Set

9BC26

- Prevents damage to the piston and boot
- For rotating pistons back into caliper to provide clearance for new pads
- Suitable for FORD, ROVER, HONDA, Mercedes-Benz, TOYOTA, VW, AUDI, NISSAN, BMW, MAZDA, MITSUBISHI

1.38 1 / 12



7 PC.

Brake Bleeder Valve Collection Bottle

9BC32

- It contains a brake oil check valve, a silicone hose, and a universal rubber adapter that is compatible with most vehicles
- Complete with a metal hanging hook
- Capacity : 1000 ml

420 1 / 12



CAUTION

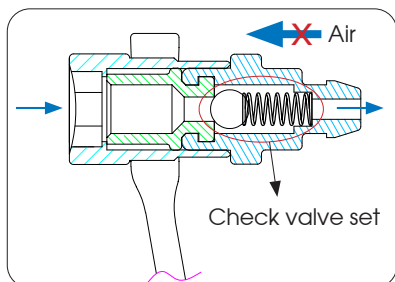
Always keep the tool clean after using

Brake Bleeder Wrench Set

9BC5001MR

- Wrench size : 7, 8, 9, 10, 11mm
- Use on any vehicle, SUV, light truck or motorcycle brake caliper
- Combine wrench & socket to make loosening and tightening easily
- Ideal for bleeding brake system and hydraulic clutch system without removing the wheels
- High quality material internal seal to upgrade durability
- Silicone tube has the characteristics of acid and alkali proof, corrosion resistance, wear resistance, high and low temperature resistance
- Brake bleeder socket wrench prevents air backflow into brake system

6
PC.



Contents

0.73 kg / 1 / 10

9BC5107M	7mm
9BC5108M	8mm
9BC5109M	9mm
9BC5110M	10mm
9BC5111M	11mm
9BC32P021	

Blow case size (mm) :
260 x 160 x 60 (0.08 cuft)



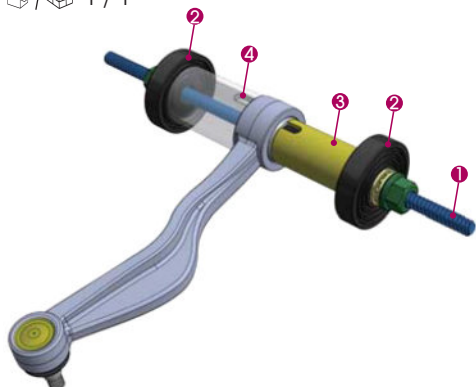
Universal Sleeve Removal and Installation Set

9BD101

- Can easily extract and draw in bearings, bushes, seals with this comprehensive tools
- Reduces the possibility of damaging the bearing/ suspension housings
- Tool doesn't designed to be used with the impact wrench

26
PC.

18.0 kg / 1 / 1



No.

1	M10 x P1.5 spindle and two fixing nuts with bearing
1	M12 x P2.0 spindle and two fixing nuts with bearing
1	M14 x P2.0 spindle and two fixing nuts with bearing
1	M16 x P2.5 spindle and two fixing nuts with bearing
2	Step discs with A and B sides (2 pcs)
3	Golden sockets (11 pcs) marked with A
4	Silver socket (9 pcs) marked with B

Socket sizes OD x ID mm

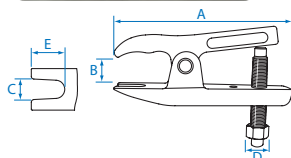
A	44 x 34 mm, 46 x 36 mm, 54 x 44 mm, 56 x 46 mm, 58 x 48 mm 66 x 56 mm, 68 x 58 mm, 70 x 60 mm, 78 x 68 mm, 80 x 70 mm 82 x 72 mm
B	48 x 38 mm, 50 x 40 mm, 52 x 42 mm, 60 x 50 mm, 62 x 52 mm 64 x 54 mm, 72 x 62 mm, 74 x 64 mm, 76 x 66 mm



Ball Joint Extractor

9BE11

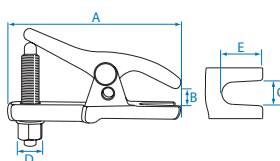
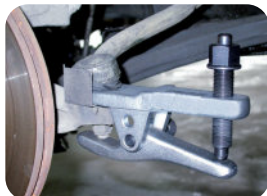
- Drop forged steel body



KT NO.	A mm	B(mm) Max Min	C mm	D mm	E mm		
9BE11	160	50 12	19	19	25	1080	1 / 12

9BE21

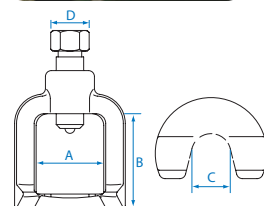
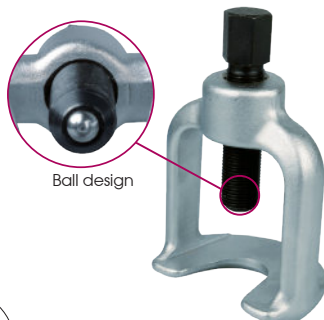
- Special design 2 stage operation, suits most cars and light trucks ball joints in steering & suspension
- Suitable for most European and Japanese vehicles



KT NO.	A mm	B(mm) Max Min	C mm	D mm	E mm		
9BE21	160	50 12	20	22	32	1270	1 / 12

9BE4

- For quick and easy separation of ball joint pivots of pitman arms, steering tie rods, ball joints, etc
- Suitable for general trucks and vehicles
- For better safety operation & avoid damage



KT NO.	A mm	B mm	C mm	D mm		
9BE41	36	40	18	17	364	1 / 36
9BE42	46	48	23	17	558	1 / 36
9BE43	62	62	29	19	925	1 / 12
9BE44	64	76	40	24	1658	1 / 12
9BE45	77	100	46	24	1858	1 / 12

Impact Ball Joint Separator

9HBE4

3/4"

- Use for quick separation of ball joint for heavy goods vehicle
- Extra deep design for tight space
- Use with impact tools



Heavy Goods Vehicle Ball Joint Separator

Size (mm)	Application
30	BMW (E39), Benz(W203/W210/W211/W220/W221), Mitsubishi Delica, Canter, Toyota Dyna etc...
39	"4 tons and European truck: Scania, Benz, MAN 414 drag link and Hino etc..."
47	"8.8 tons~10.5 tons truck: Hino, Isuzu, Nissan, UD, Fuso etc..."
58	Scania etc...
62	"15 tons~35 tons: Hino, Isuzu, Nissan, Fuso truck and bus etc..."
67	MAN(FE410A) etc...



KT NO.	A mm	B mm		
9HBE4-30	30	95	2320	6 / 6
9HBE4-39	39	95	2320	6 / 6
9HBE4-47	47	95	2320	6 / 6



KT NO.	A mm	B mm		
9HBE4-58	58	120	4200	6 / 6
9HBE4-62	62	120	4366	6 / 6
9HBE4-67	67	120	4200	6 / 6

Hydraulic HGV Ball Joint Separator & Set

9HBE81

- Use for separating ball joint for heavy goods vehicles
- Design for operating manually or by 12 tons hydraulic ram
- Strengthen fork and lever for greater force to be applied

7.00 1 / 2



capacity

Jaw opening 70mm
Jaw width 36mm



3
PC.

9HBE083

- Use for separating ball joint for heavy goods vehicles
- Design for operating manually or by 12 tons hydraulic ram
- Interchangeable jaws width : 30 / 34 / 40mm

8.50 1 / 2



Jaw Opening size :
30, 34, 40 mm



5
PC.

Track Rod End Remover & Installer

9BE51

- Removes and replaces the axial joint
- Hex part on the end of tool : works with 27 mm wrench or 1/2" DR. ratchet



KT NO.	inch	L mm	Capacity mm		
9BE51	15-3/4	400	28~35	1635	1 / 10
9BE52	15-3/4	400	35~45	2140	1 / 10

9BE52

Multi-Purpose Inner Tie Rod Tool

9BE62

9BE63

1/2"

- Use for replace inner tie rod ends without removing the rack and pinion
- Internal serrated design to make grip tight
- Use with ratchets and extensions by 1/2" DR.
- Suitable for most vehicles & trucks



KT NO.	inch	L mm	Capacity mm		
9BE62	3-1/4	81.50	33~42	370	24
9BE63	3-7/16	87.56	42~50	422	24



Universal Adjustable Wheel Bearing Lock Nut Wrench

9HBN01

3/4"

- For disassemble and assemble vario nut and cap
- Extra slim design suitable to reach narrow space for special nut
- Use with 3/4" DR. tools and suggest to lock by torque wrench
- Application for 6PT, 8PT and round nut
- Adjustable open jaw 50~150mm

Contents:

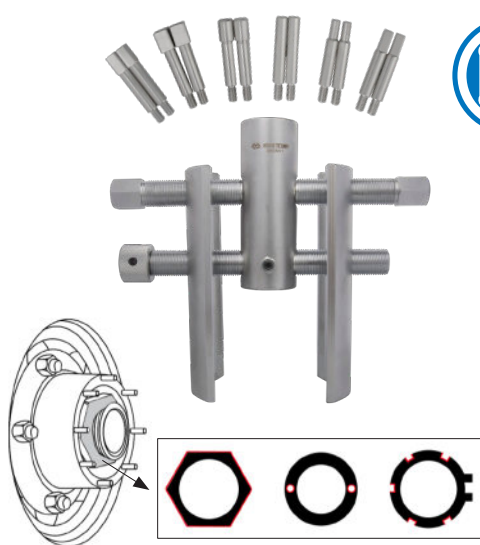
3 pairs round adapter for round nut : 6mm, 8mm, 10mm

3 pairs square adapter for round nut : 1/4", 5/16", 3/8"

3.68 1 / 5



13 PC.



Drop Forged Coil Spring Compressor Set

9BF11

9BF21

- Drop forged SCM435 jaws & leaded screws
- Both 21mm 6-point sockets and 1/2" wrench are available
- Suitable for limited space under wheel arch

6 PC.



9BF11



9BF21



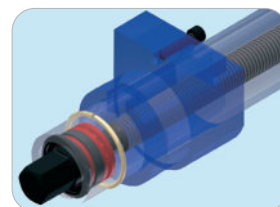
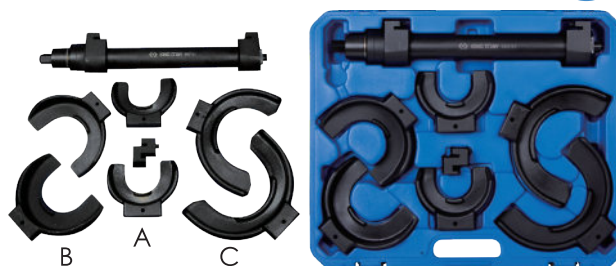
KT NO.	L mm	mm	mm	Kg	1 / 6
9BF11	85 / 370	1/2"	21	2.40	1 / 6
9BF21	85 / 270	1/2"	21	3.36	1 / 6

Coil Spring Compressor Set

9BF31

- Developed for "Macpherson" suspensions, using a range of 3 sets interchangeable monobloc forks
- Spring specification / use :
 - A : Ø80~115mm
 - B : Ø110~150mm
 - C : Ø140~195mm
- Suitable for BMW, Ford, VW, Audi, Porsche, Saab, Opel, Volvo, Nissan, Honda, Mitsubishi, Subaru, Toyota

8 PC.



KT NO.	L mm	Capacity mm	Kg	1 / 1
9BF31	460	40~300	15.00	1 / 1

Steering Wheel Puller Set

9BG11

- Easy to remove and install steering wheel for cars and trucks
- 2 sets 17mm hex head puller with pointed and flat cups
- 4 sets side bolts
- Small plate Dia. :
 - 1"~3-11/16" 25~95mm
- Large plate Dia. :
 - 1-1/8"~5" 28~125mm
- Side bolts size :
 - 3 PC. 5/16" UNC x 3-1/2" long puller bolts
 - 3 PC. 5/16" UNF x 3" long puller bolts
 - 3 PC. 3/8" UNC x 3" long puller bolts
 - 3 PC. 3/8" UNF x 3" long puller bolts

4.10 1 / 6



18 PC.

Coil Spring Compressor Set

9BF33

- Suitable for BMW, Audi, Chevrolet, Citroen, Fiat, Ford, Honda, Hyundai, Kia, Lancia, Mazda, Benz, Mitsubishi, Nissan, Opel, Peugeot, Renault, Seat, Tesla, Toyota, Volvo
- Can be operated with impact wrench
- Spring specification/use: 75~155 mm
- Stroke: 106~293 mm
- Max load: 6,400 kgf-m (62,765 N-m)

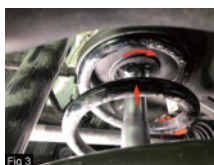
5.5 / 1 / 4



- Place upper and lower discs on spring



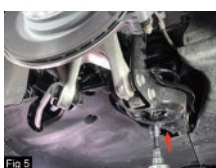
- Insert the main tool body into the spring



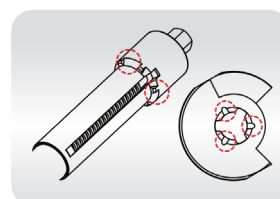
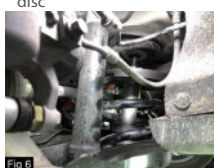
- Insert through the disc and make a half turn to connect the tool and disc



- Turn the hex nut on the main tool body lower end to fix all parts



- Use an air/impact wrench to compress the spring



- Special pins on tool body to mesh with grooves on discs to create a secure connection

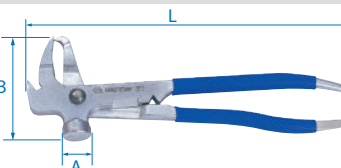
3
PC.

Wheel Balancing Weight Tool

9BK11

- Ideal for fitting and removing wheel balance weights

KT NO.	inch	L mm	A mm	B mm		/
9BK11	10	250	22	86	420	10 / 50

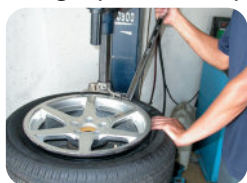


Tire Lever

9BK41

9BK43

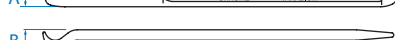
- Straight pattern with profiled shank



9BK41



9BK43



KT NO.	inch	L mm	A mm	B mm		/
9BK41-20	8	200	21.6	11	104	10 / 50
9BK41-28	11	280	22.7	13.5	239	10 / 50
9BK41-38	15	380	24.5	13.5	358	10 / 50
9BK41-53	21	530	28	12	930	10 / 20
9BK41-65	25	650	30	15	1075	10 / 20
9BK43-65	25	650	30	15	1100	10 / 20

Tire Valve Installer

9BK31

9BK32

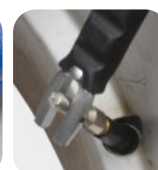
- Use for replacement and fitting tire valves
- Composite body prevents damage onto alloy wheel
- 180 degree pivoting head
- 310mm plastic handle



118 / 12 / 144



353 / 6 / 48



- For removal & installing valve cores

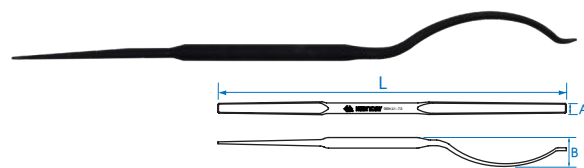


Tire Lever

9BK41-73

- To install and remove the tire from wheel rim
- Precision forged with greater leverage design
- Special design for 17" to 22.5" tire

KT NO.	inch	L mm	A (mm)	B (mm)		
9BK41-73	28-3/4	730	22	64.4	1618	1 / 10

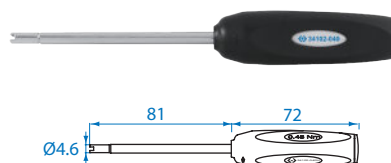


Tire Valve Core Torque Tool / Installer Torque Screwdriver

34102-040M

- Preset torque setting in order to remove & install valve cores correctly
- Prevent overloaded torque to cause damage on valves sensor cores
- Preset torque is 0.45 N·m (4.0 lbf·in)
- Ergonomics design with PP handle

62 20 / 100

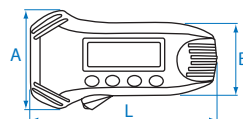


Digital Tire Gauge

9BM120

- Tyre pressure gauge specification :
Unit range :
0-100 psi / 0~7.0 bar / 0~7.0 Kgf-cm² / 0~700 kpa
Display resolution :
0.1 psi / 0.01 bar / 0.01 Kgf-cm² / 0.01 kpa
- Tread depth gauge specification :
Unit range : 0-22mm / .8"(Gauge : mm / inch)
Display resolution : 0.01mm / .001"

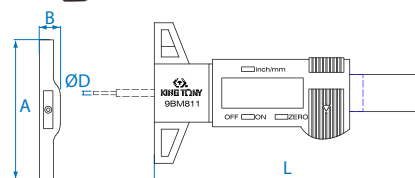
KT NO.	A mm	B mm	L mm		
9BM120	53	38	101	53	12 / 96



Digital Tire Tread Depth Gauge

9BM811

- Digital large LED LCD screen display
- Material : ABS Plastic, stainless steel needle
- One-touch switch between Metric / Inch system interchange
- Zero setting at any position
- Mini size, hand-held and portable
- Unit range : 0-25.4mm / 0-1"
- Display resolution : 0.01mm / .0005"



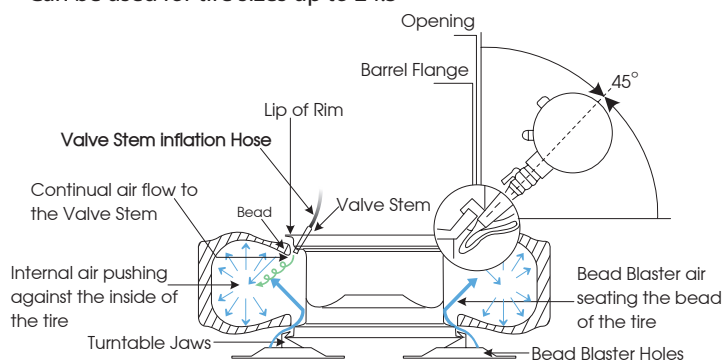
KT NO.	ØD mm	A mm	B mm	L mm		
9BM811	1.5	60	9	116	39.6	25 / 100



Tire Air Bead Seater

9HBL

- Capacity : 5 Gallon
- Used for seating tires for cars, trucks, ATVs, tractors
- Air gauge for easy and accurate air volume readings
- Can be used for tire sizes up to 24.5"

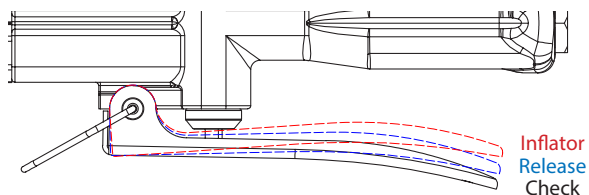


KT NO.	Type	Capacity	Max. pressure		
9HBL11-05	America	5 gallon	145 PSI	11.0	1
9HBL12-05	Europe	(20 L)	(10 bar)		

3-In-1 Inflator

9BM

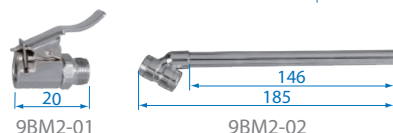
- Diaphragm pressure gauge
- Accuracy : ANSI B40.100 $\pm 3\%$ ~ $\pm 2\%$ ~ $\pm 3\%$
- Special rubber housing protects manometer against light impacts
- 3 functions(check, release, inflator) all together on the press handle
- Variable trigger, two control position inflate / deflate leve
- Flexible 400MM high pressure rubber hose with clip-on air tire chuck
- Pressure range : 0-160 PSI (9BM21) / 0-220 PSI (9BM22)
- Built in hang-up hook allows easy storage



9BM2110
9BM2111
9BM2210
9BM2211



9BM2210A
9BM2211A



KT NO.	Pressure range (Psi)	Air Inlet (BSPT/NPT)	L (mm) L1	L2	Air hose (ID)		
9BM2110	160	1/4"-19 BSPT	Ø13 x 400	180	3/8"	500	1 / 12
9BM2111	160	1/4"-18 NPT	Ø13 x 400	180	3/8"	500	1 / 12
9BM2210	220	1/4" BSPT	Ø13 x 400	180	3/8"	520	1 / 12
9BM2211	220	1/4" NPT	Ø13 x 400	180	3/8"	520	1 / 12
9BM2210A	220	1/4" BSPT	Ø13 x 400	180	3/8"	600	1 / 12
9BM2211A	220	1/4" NPT	Ø13 x 400	180	3/8"	600	1 / 12
9BM2-01	(Included in all 9BM series)		20	-	-	25	-
9BM2-02	(included in 9BM2210A & 11A only)		185	-	-	105	-



Wheel Lock Screw Socket Set

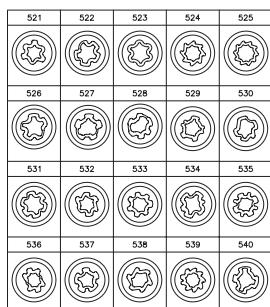
9BW0120

VW

- Used to permit servicing of customer vehicles, even lose the key
- Applicable for installing and removing locks of most VW models
- Chrome molybdenum, alloy steel chrome plated
- Work with 17mm hex tool
- Contents :
#521,#522,#523,#524,#525,#526,#527,#528,#529,#530,#531,#532,#533,#534,#535,#536,#537,#538,#539,#540

1.94 1 / 5

20
PC.



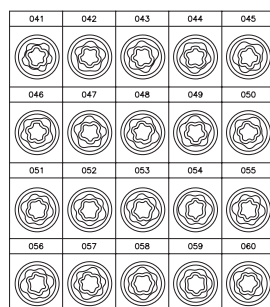
9BW0220

BMW

- Used to permit servicing of customer vehicles, even lose the key
- Applicable for installing and removing locks of most BMW models
- Chrome molybdenum, alloy steel chrome plated
- Work with 17mm hex tool
- Contents :
#041,#042,#043,#044,#045,#046,#047,#048,#049,#050,#051,#052,#053,#054,#055,#056,#057,#058,#059,#060

1.94 1 / 5

20
PC.



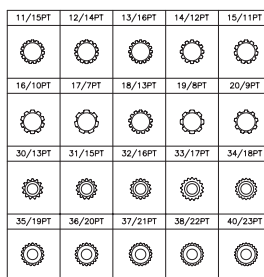
9BW0221

BMW

- Used to permit servicing of customer vehicles, even lose the key
- Applicable for installing and removing locks of most BMW models
- Chrome molybdenum, alloy steel chrome plated
- Contents :
#30/13PT, #31/15PT, #32/16PT, #33/17PT, #34/18PT, #35/19PT, #36/20PT, #37/21PT, #38/22PT, #40/23PT, #13/16PT, #12/14PT, #11/15PT, #16/10PT, #15/11PT, #14/12PT, #19/8PT, #18/13PT, #17/7PT, #20/9PT, #494517M (1/2"DR. x 17mm)

1.48 1 / 10

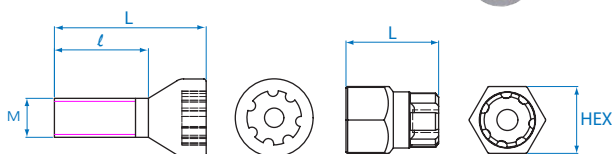
21
PC.



Locking Nuts & Bolt

WSB01

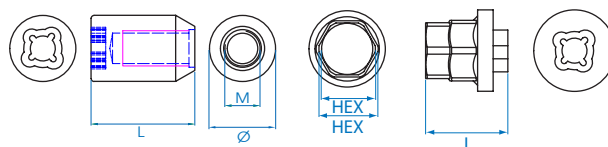
▪ Long Bolt



KT NO.	HEX	Thread M	ℓ mm	L mm
WSB012802-5	-	M12 x 1.5	28	47
	13/16	-	-	29
WSB013006-5	-	M14 x 1.5	30	49
	13/16	-	-	29

WSN04

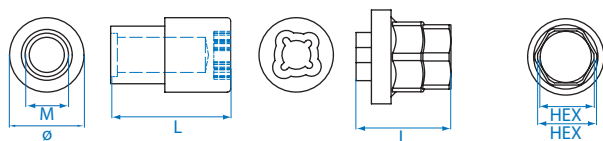
▪ Long Lock Nut



KT NO.	HEX	Ø	Thread M	L mm
WSN043601-5	-	23	M12 x 1.25	36
	19 x 13/16	-	-	28
WSN043602-5	-	23	M12 x 1.5	36
	19 x 13/16	-	-	28

WSN14

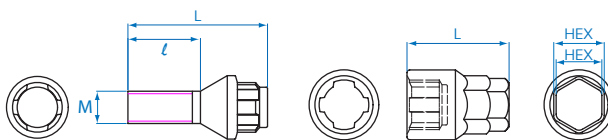
▪ Lock Nut



KT NO.	HEX	Ø	Thread M	L mm
WSN143601-5	-	23	M12 x 1.25	36
	19 x 13/16	-	-	28
WSN143602-5	-	23	M12 x 1.5	36
	19 x 13/16	-	-	28

WSB02

▪ Cone Seat Bolt Lock



KT NO.	HEX	Thread M	ℓ mm	L mm
WSB022701-5	-	M12 x 1.25	27.5	52.5
	17 x 3/4	-	-	38



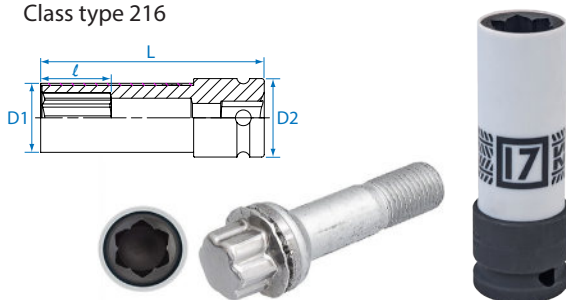
- Material - chrome molybdenum alloy steel
- Finishing - phosphate sunk

Impact Socket for Hybrid Wheel Bolts Mercedes-Benz

9BW4501

1/2"

- Durable outer sleeve protects polished wheels and lug nut
- Suitable for Hybrid wheel bolts on e.g. MERCEDES-BENZ C-Class type 204, 204X E-Class type 211, 212, 207 SLK type 172 M-Class type 164, 166 S-Class type 221, 222 CL-Class type 216



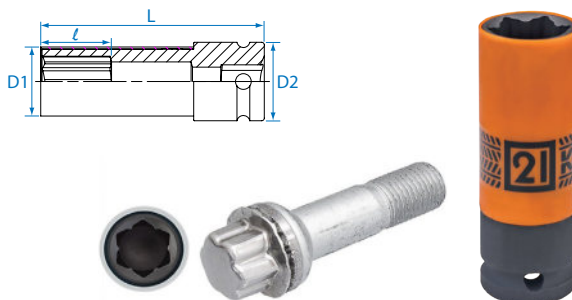
KT NO.	Size mm	D1 mm	D2 mm	l mm	L mm		
9BW4501	17	26.4	30	26	85.5	229	5 / 60

Impact Socket for Special Profile Wheel Bolts

9BW4502

1/2"

- Durable outer sleeve protects polished wheels and lug nut
- Suitable for Wheel nuts with special profile 21 mm on HYUNDAI i30, Tucson and KIA



KT NO.	Size mm	D1 mm	D2 mm	l mm	L mm		
9BW4502	21	28.5	30	26	85.5	252	5 / 60

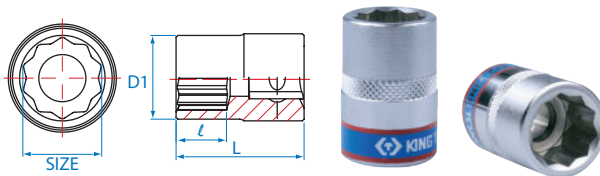
10 Point Socket 20MM

9BW4801

1/2"

- 1/2" DR.
- 10 points
- Use for replacing and removing retaining screw on rear trailing arm on HONDA CR-V

KT NO.	mm	D1 mm	l mm	L mm		
9BW4801	20	25	15	38	88.0	10 / 160



Stud/Hub Cleaning Tool & Set

9BK72

KT NO.	inch	L mm		
9BK72-12	7/16	12	25.2	100
9BK72-13	1/2	13	25.4	100
9BK72-14	9/16	14	25	100
9BK72-16	5/8	16	25.6	100
9BK72-22	7/8	22	33.6	100
9BK72-28	1-1/8	28	38	100



9BK73

KT NO.	mm		
9BK73-14	14	13.2	100
9BK73-22	22	13.8	100
9BK711	150	101.8	100



9BK7008

- For cleaning corrosion from studs, especially useful for cleaning around the base of studs
- Includes one quick change handle and adaptor

8
PC.

KT NO.	Contents	 545	 10
9BK72		12, 13, 14, 16, 22, 28	
7704-50		1/2"	
9BK711		1/2"	



9BK7009

- For cleaning corrosion from hubs and studs, especially useful for cleaning around the base of studs
- Includes one quick change handle and adaptor

8
PC.

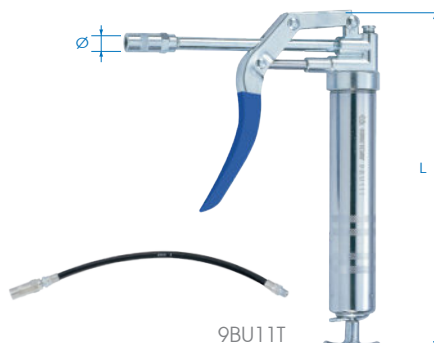
KT NO.	Contents	 480	 10
9BK72		14, 22	
9BK73		14 x 2, 22 x 2	
7704-50		1/2"	
9BK711		1/2"	



Lubrication-Grease Gun

9BU11

- Ideal for machine, automobile, farm and garden equipments, other vehicles etc.



9BU11T



KT NO.	inch	L mm	Ø Screw thread	High pressure PSI	High pressure bar	Capacity c.c.	Capacity oz	Kg	Box / Carton
9BU111	10-5/8	267	1/8 x 28 PT	4000	275	120	3	0.61	1 / 30
9BU112	10-5/8	267	M10 x 1.0P	4000	275	120	3	0.61	1 / 30
9BU111T	10-5/8	267	1/8 x 28 PT	4000	275	120	3	0.68	1 / 30
9BU112T	10-5/8	267	M10 x 1.0P	4000	275	120	3	0.68	1 / 30
9BU111 / 9BU111T	For general market except North America, Germany, South Africa, Egypt								
9BU112 / 9BU112T	For Germany, South Africa, Egypt, etc.								

Lubrication-Grease Gun with 12" Tube

9BU143T

- Ideal for machine, automobile, farm and garden equipments, other vehicles etc.

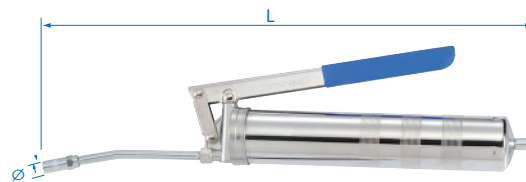


KT NO.	inch	L mm	Ø Screw thread	High pressure PSI	High pressure bar	Capacity c.c.	Capacity oz	Kg	Box / Carton
9BU1432T	14-1/2	368	M10 x 1.0P	7000	483	400	14	1.36	1 / 12
9BU1531T	For general market except North America, Germany, South Africa, Egypt								
9BU1432T / 9BU1532T	For Germany, South Africa, Egypt, etc.								

Lubrication-Grease Gun

9BU2

- Ideal for machine, automobile, farm and garden equipments, other vehicles etc.



KT NO.	^L Inch	mm	Ø Screw thread	High pressure PSI	bar	Capacity c.c.	oz		
9BU241	14	360	1/8 x 28 PT	10000	700	400	14	1.18	1 / 16
9BU242	14	360	M10 x 1.0P	10000	700	400	14	1.18	1 / 16
9BU251	14.2	365	1/8 x 28 PT	10000	700	500	16	1.52	1 / 16
9BU252	14.2	365	M10 x 1.0P	10000	700	500	16	1.52	1 / 16

9BU241 / 9BU251 For general market except North America, Germany, South Africa, Egypt

9BU242 / 9BU252 For Germany, South Africa, Egypt, etc.

Lubrication-Grease Gun with 12" Tube

9BU2T

- Ideal for machine, automobile, farm and garden equipments, other vehicles etc.



9BU8109
9BU8209
9BU8112
9BU8212



KT NO.	^L Inch	mm	Ø Screw thread	High pressure PSI	bar	Capacity c.c.	oz		
9BU241T	14	360	1/8 x 28 PT	10000	700	400	14	1.24	1 / 16
9BU242T	14	360	M10 x 1.0P	10000	700	400	14	1.24	1 / 16
9BU251T	14.2	365	1/8 x 28 PT	10000	700	500	16	1.63	1 / 16
9BU252T	14.2	365	M10 x 1.0P	10000	700	500	16	1.63	1 / 16
9BU8109	9	229	1/8 x 28 PT						
9BU8209	9	229	M10 x 1.0P						
9BU8112	12	305	1/8 x 28 PT						
9BU8212	12	305	M10 x 1.0P						

9BU241T / 9BU251T For general market except North America, Germany, South Africa, Egypt

9BU242T / 9BU252T For Germany, South Africa, Egypt, etc.



Portable Bearing Packer

9BU41

- Quick and easy way to pack bearings with less mess
- Suitable for bearing diameter up to 90 mm
- Press the cap until old grease forced out and replaced by fresh grease

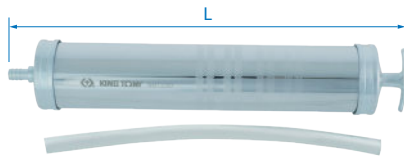
505.2 1 / 36



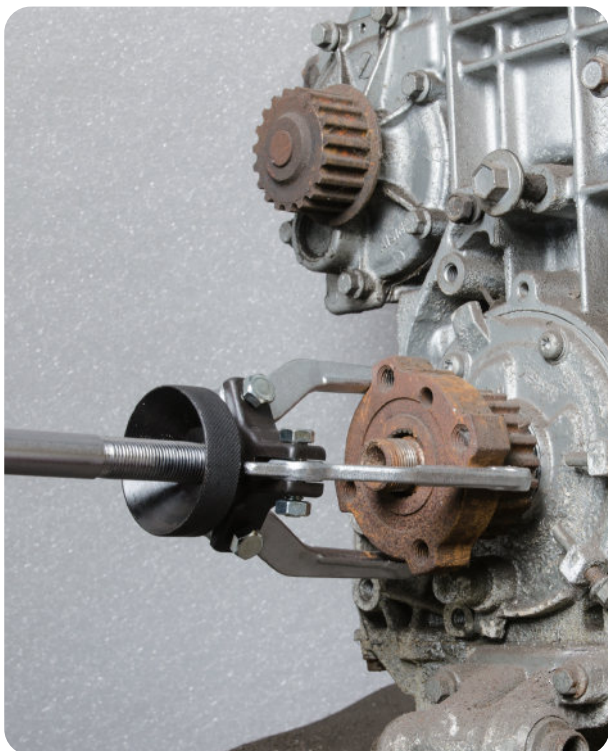
Oil Suction Gun

9BT2

- Designed for all purpose, quickly draining and filling oil and other fluids for clutches, agricultural, and industrial chemical, additives, transmission on differentials, brake master cylinders, oil filters or other type of sumps or sampling engine oil
- Features 11" flexible plastic hose



KT NO.	L		Capacity c.c. oz			
	inch	mm				
9BT250	13.4	340	500	16	770	1 / 20
9BT2100	17.3	440	1000	32	1238	1 / 20



Slide Hammer Puller Set

9BQ01

- 5 lbs / 2.2 kgs slide hammer with 500 mm shaft make more powerful
- Three types to use : internal/external puller, plate puller, dent puller
- Use for remove vehicle Hub, rear axle, bearing or repair dent, etc.

7.5 1/2



17
PC.

CONTENTS:

- 1 PC. 500 mm T handle shaft
- 1 PC. 5 lbs / 2.2 kgs hammer
- 1 PC. Axle puller
- 1 PC. Hub puller
- 1 PC. Hook
- 1 PC. Locking pliers puller
- 1 PC. Dent puller
- 1 PC. Central bolt
- - Hex 19mm x 5/8" x 18UNF x L140mm
- 1 PC. Twin head
- 1 PC. Tripe head
- 1 PC. Adjustable nut
- 3 PC. 3.5" leg
- 3 set nut & bolt



Axle Puller With Slide Hammer

9BQ11

- 5 lbs / 2.2 kgs slide hammer
- 500 mm T handle shaft

4 1/4

3
PC.



CONTENTS:

- 1 PC. 500 mm T handle shaft
- 1 PC. 5 lbs / 2.2 kgs hammer
- 1 PC. Axle puller

Auto Body Repair Tool

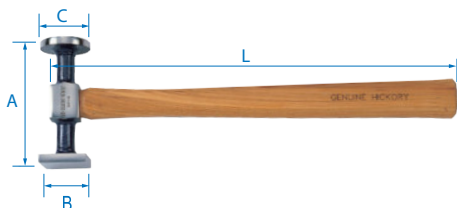


CAUTION Please wear proper safety gear while working.



9CF110

- Bumping hammer
- Flat face



KT NO.	A mm	B mm	C mm	L mm		
9CF110	98.5	38	40	325	440	6 / 36

9CF120

- Light shrinking hammer - smooth
- Flat face + milled square face



KT NO.	A mm	B mm	C mm	L mm		
9CF120	98	40	38	325	467	6 / 36

9CF130

- Straight pick & finishing hammer



KT NO.	A mm	B mm	L mm		
9CF130	138	40	325	467	6 / 36

9CF131

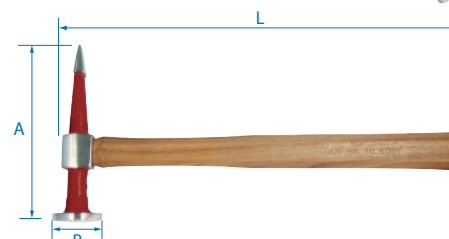
- Curved pein & finishing hammer



KT NO.	A mm	B mm	L mm		
9CF131	140	40	325	467	6 / 36

9CF132

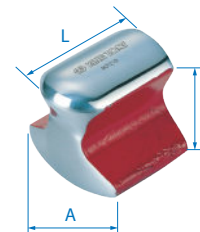
- Straight pein & finishing hammer



KT NO.	A mm	B mm	L mm		
9CF132	141	40	325	460	6 / 36

9CF210

- Utility dolly



KT NO.	A mm	B mm	L mm		
9CF210	69	64	42.3	1380	6 / 12

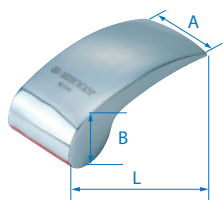


Auto Body Repair Tool & Set



9CF220

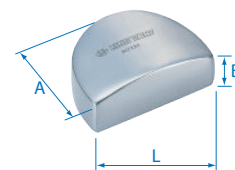
- Curved dolly



KT NO.	A mm	B mm	L mm		
9CF220	58.6	45	133	1630	6 / 12

9CF230

- Heel dolly



KT NO.	A mm	B mm	L mm		
9CF230	60	30	79.3	1130	6 / 12

9CF240

- Toe dolly



KT NO.	A mm	B mm	L mm		
9CF240	58.5	29.1	121	1400	6 / 12

9CF241

- Thin toe dolly



KT NO.	A mm	B mm	L mm		
9CF241	55	24	118	960	6 / 12

9CF-107

9CF-207

9CF-307

- All drop forged medium(SAE/AISI 1045,1055) carbon steel
- Hammers are hardened and tempered, including 3 hardwood handled hammers and 4 dollies

7
PC.



9CF-107



9CF-207



9CF-307

KT NO.	Contents			
9CF-107	 9CF130	 9CF240	 9CF110	7.50
9CF-207	 9CF131	 9CF241	 9CF120	7.10
9CF-307	 9CF132		 9CF220	7.10
			 9CF230	
			 9CF210	

1 / 2

Pneumatic Dent Puller

9CH212

- With 3 LB (1.36 kgs) sliding hammer
- With brass valve and 1/4" air plug
- With 13" length inlet hose
- With 2 PC. pads (120mm , 150mm)
- Air exhaust from the handle
- Working pressure 90 PSI

KT NO. 3.5  1/4



Bodywork File & Set

9CM01

- Used for sheet-metal working
- Suitable for flat and curved surfaces
- Double-sides file with radial shape
- Lightweight aluminium body
- 1 PC. file included



9CM11

9CM209

KT NO.	Version	Teeth inch	Length mm		
9CM01	rough	8	355	1580	1 / 20

9CM2

- Used for sheet-metal working
- Suitable for flat and curved surfaces
- Double-sides file with radial shape
- For 9CM11



KT NO.	Version	Teeth inch	Length mm		
9CM209	rough	8	355	330	1 / 50
9CM212	fine	12	355	330	1 / 50

Slide Hammer Bodywork Puller Set

9CH01

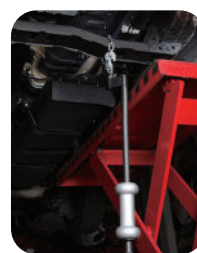
- 6 lbs / 2.7 kgs slide hammer with 540 mm shaft make more powerful
- Variety attachment adaptor suitable for different situation
- Use for vehicle body panel and chassis or other metal distortion etc.

KT NO. 8.50  1/2



CONTENTS:

- 1 PC. 540 mm handle shaft
- 1 PC. 6 lbs / 2.7 kgs hammer
- 1 PC. Large curve hook
- 1 PC. Small curve hook
- 1 PC. Large 90° hook
- 1 PC. Small 90° hook
- 1 PC. Flat squashed attachment
- 1 PC. Straight attachment
- 1 PC. Double attachment
- 1 PC. Tapping screw
- 1 PC. Hook attachment with chain



Putty Knife

9CJ1112

1-1/4"



KT NO.	A inch	A mm	L inch	L mm		
9CJ1112	1-1/4	32	8-1/2	218	60.0	24 / 144

9CJ1120

2"



KT NO.	A inch	A mm	L inch	L mm		
9CJ1120	2	50	8-1/2	218	70.0	24 / 144



Putty Knife

9CJ1130

3"



KT NO.	inch	mm	inch	mm	g	ctn / box
9CJ1130	3	76	8-1/2	218	82	24 / 144

Stainless Steel Putty Knife Set

9CJ013



3 PC.

Contents

0.20 1 / 24



9CJ1112



9CJ1120



9CJ1130

Bolstered Scraper

9CJ2120

2"



KT NO.	inch	mm	inch	mm	g	ctn / box
9CJ2120	2	50	8-1/2	218	140	24 / 144

Stainless Steel Bolstered Scraper Set

9CJ023



3 PC.

Contents

0.40 1 / 24



9CJ2112



9CJ2212



9CJ2120

Bolstered Scraper

9CJ2112

1-1/4"



KT NO.	inch	mm	inch	mm	g	ctn / box
9CJ2112	1-1/4	32	8-1/2	218	120	24 / 144

9CJ2212

1-1/4"



KT NO.	inch	mm	inch	mm	g	ctn / box
9CJ2212	1-1/4	32	8-1/2	218	120	24 / 144

Pinch Weld Scraper

9CJ3104

1/2"



KT NO.	inch	mm	inch	mm	g	ctn / box
9CJ3104	1/2	12	6-1/2	168	75	24 / 144

9CJ3105

5/8"



KT NO.	inch	mm	inch	mm	g	ctn / box
9CJ3105	5/8	15	8-1/2	218	108	24 / 144

Pinch Weld Scraper

9CJ3106

3/4"



KT NO.	inch	mm	inch	mm	Kg	1/2
9CJ3106	3/4	19	6-1/2	168	75	24 / 144

Multi Purpose Single Edge Razor Scraper

9CJ61-40

- Ideal for scraping labels and decals
- Comfortable TPR handle for maximum grip
- Accepts all standard single edge razor blades



KT NO.	inch	mm	inch	mm	Kg	1/2
9CJ61-40	1-1/2	40	9	235	145	6 / 72

Stainless Steel Pinch Weld Scraper Set

9CJ033



3 PC.

Contents

Kg 0.26 1 / 24



9CJ3104



9CJ3105



9CJ3106

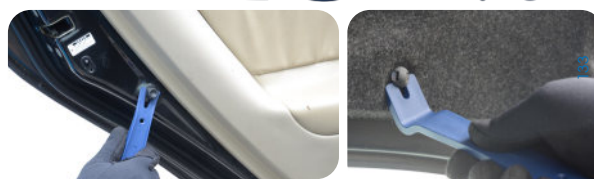
Mini Panel Removal Set

9CI016

- Easy to remove small trim items and panels with slim profile
- Made from impact resistant high quality nylon
- Applicable: Air vents, door panels, door locks, dash trim, internal fittings, etc.

Kg 0.30 12 / 48

6 PC.

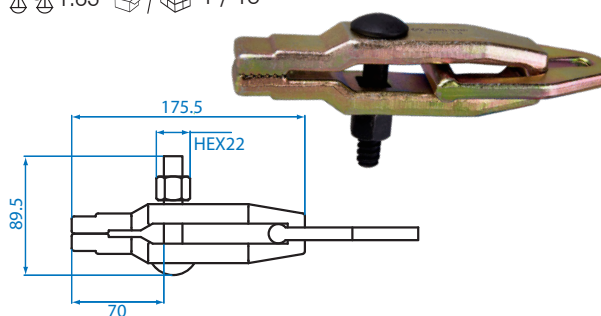


Long Nose Clamp

9CD14

- Drop forged chrome molybdenum alloy steel for maximum strength
- Jaw width : 32mm
- 3 Ton straight pulling capacity

Kg 1.83 1 / 10

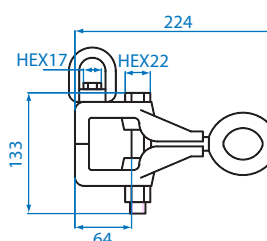


Large Pull Clamp With Top Pull

9CD21

- Drop forged chrome molybdenum alloy steel for maximum strength
- Jaw width : 37mm
- Two-way pull operation
- Dual self-tightening serrated jaws for a positive grip
- Capacity : 3 ton (straight way), 2 ton (cross way)

Kg 2.45 1 / 6

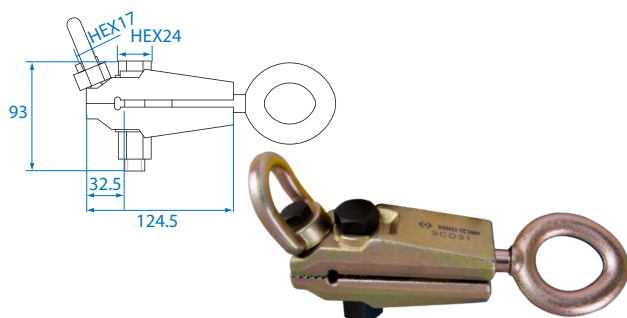


Small Pull Clamp With Top Pull

9CD31

- Drop forged chrome molybdenum alloy steel for maximum strength
- Jaw width : 44mm
- 44mm wide mouth with teeth
- With top pull and 360 degree self tightening pull ring
- Dual self-tightening serrated jaws for a positive grip
- Ideal for work in tight areas
- Capacity : 5 ton (straight way), 2 ton (cross way)

KT NO. 2.38  1 / 6



Double Suction Pad Holder

9CW21

- Lifting up to 65 kg in horizontal position
- Adjustable handle designed for curved surface
- Ø120mm rubber vacuum cup can prevent from the damage of surface and grip tightly
- Use for holding glass, tiles, sheet metal, etc.



KT NO.	Ø mm	Load capacity kg		
9CW21	120	65	805	4 / 8

Windscreen Remove Tool Set

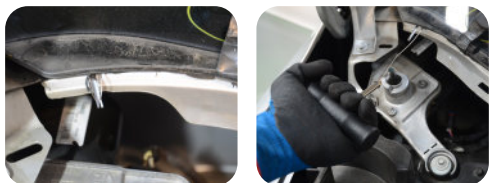
9CW01

- Use for removing glued of vehicle windows
- Use A with C to pierce the wire through the adhesive beads
- Use the cutting wire with B to remove adhesive beads



CONTENTS :

- A - Wire feeder tool
- B - Wire pull handle - pair
- C - Triangle cutting wire - 22 meters



KT NO.	Wire L m	T Handle L mm		
9CW01	22	330	456	8 / 32

Single Suction Pad Holder

9CW22

- Lifting up to 40 kg in horizontal position
- Ø120mm rubber vacuum cup can prevent from the damage of surface and grip tightly
- Use for holding glass, tiles, sheet metal...



KT NO.	Ø mm	Load capacity kg		
9CW22	120	40	351	6 / 48



Alternator Tool & Set

- Specialized in removing & installing freewheel pulleys on alternator
- Ideal for dismantling and assembling the free wheel pulley while changing the alternator or pulley
- The pulley shaft is held in place with the bit on 1/2" DR. socket whilst the nut is undone using the 33 teeth union nut with 19mm spanner
- Suitable generator brand: Bosch, Valeo, Magetic Marelli, Denso, etc.
- It's also interchangeable and comprehensive components to work on VW, Audi, Citroen/ Peugeot, Mercedes, Renault, BMW, Fiat, Ford, Toyota, etc.

9DA103

1/2"

- M10 spline



KT NO.	Size	Overall length mm		
9DA103	M10	113	151	10 / 120

9DA104

1/2"

- T50 Star



KT NO.	Size	Overall length mm		
9DA104	T50	113	151	10 / 120

Alternator Tool & Set

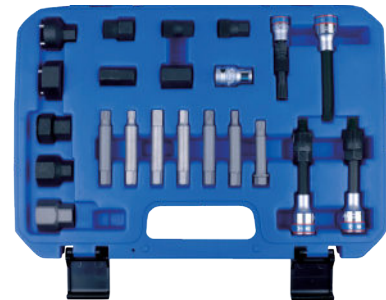
9DA022

- Specialized in removing & installing freewheel pulleys on alternator
- Suitable generator brand : Bosch, Valeo, Magetic Marelli, Denso, etc.
- It's also interchangeable and comprehensive components to work on VW, Audi, Citroen/Peugeot, Mercedes, Renault, BMW, Fiat, Ford, Toyota, etc.

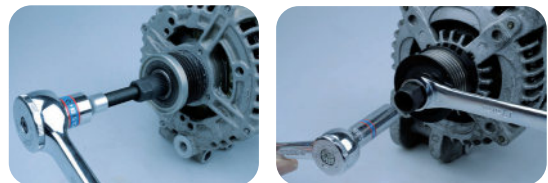
CONTENTS:

- 3 PC. Combined bit socket –
- 3/8" DR. x M10 x 90mmL / 1/2" DR. x T50 x 113mmL / 1/2" DR. x M10 x 113mmL
- 1 PC. Spline bit socket 1/2" DR. x M10 x 110mmL
- 3 PC. 33 teeth socket –15mm HEX x19mm / 15mm Hex x17.5mm / 22mm Hex
- 2 PC. Hex nut –22mm x 30mmL (Ø12.0mm) / 17mm x 35mmL (Ø14.7mm)
- 1 PC. - 35mm Round x 17mm hex (four pin)
- 1 PC. - 38mm Hex adaptor (three pin)
- 1 PC. - 28.6mm Round x H28 x H22 x 32mmL
- 2 PC. - Hexagon head nut –28H x H19 x 35mmL / 28H x H21 x 36mmL
- 1 PC. - M10 x H12 bit 64mmL
- 6 PC. - 10mm shank head bits 75mmL –T40 / T50 / M8 / M10 / H8 / H10
- 1 PC. - 1/2" DR. Bit holder

2.57 1 / 5



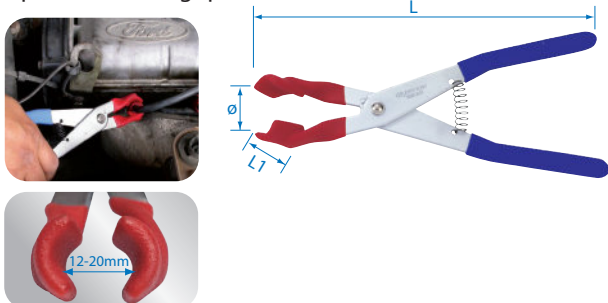
22 PC.



Spark Plug Boot Pliers

9DB201

- Remove spark plug cables safely and prevent cable damage
- Pliers' handles and jaws are coated with a heavy-duty plastic for sure grip

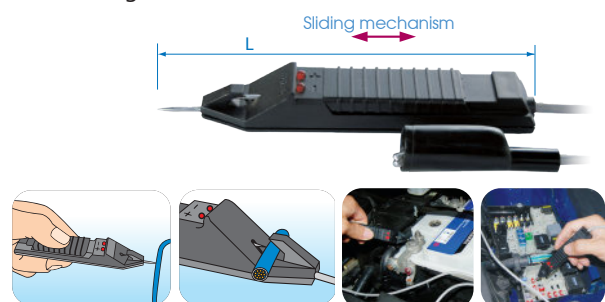


KT NO.	L mm	Ø mm	L1 mm		
9DB201	260	12~20	20	289	6 / 36

Automotive Voltage Tester

9DC23

- Insulated alligator clip with 150 cm cable
- 2 LEDs indicate positive(+) / negative(-) polarity
- Test voltage 3~48V
- For application of D.C. circuits only
- Two testing methods as illustration

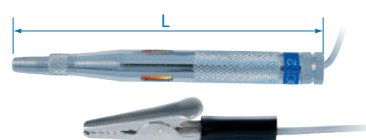
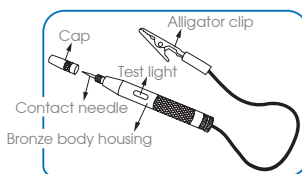


KT NO.	L mm	Test range		
9DC23	150	3~48V	52	10 / 100

Circuit Tester

9DC22

- Bronze body housing
- Cover cap for contact needle
- Bulb of 24V/3W interchangeable
- For 6/12/24V DC systems
- For application of D.C. circuits only



KT NO.	L mm	Test range		
9DC22	107	6~24V	50	20 / 200

Digital Display Circuit Tester

9DC242

- For 6/12/24V DC systems
- For application of DC circuits only
- Check if the circuit is electrified or not by stainless steel stylus
- Bigger heavy duty insulated alligator ground clip
- 3M long retractable cable
- LCD display easy to read digital voltage display
- Powered from the power source being measured, no batteries required
- CE approval EN 61000-6-3(2007) , EN 61000-6-1(2007)
- Do not use on air bags
- Ultra-V will burn circuit board



Specification	
Measured voltage	5~28V
Testing current	<10mA
Operating temp	-10~50° C
Operating humidity	<80%

KT NO.	Test range		
9DC242	6, 12, 24	225	10 / 60



Positive (+) polarity



Negative (-) polarity

Circuit Tester with Nixie Display

9DC243

- For 12/24/48V DC systems
- For application of DC circuits only
- Check if the circuit is electrified or not by stainless steel stylus
- Test by car battery or negative ground conversion
- 3M long retractable cable
- 1M extension cable
- Powered from the power source being measured, no batteries required
- Nixie display easy to read digital voltage display
- CE approval EN 61000-6-3(2007) , EN 61000-6-1(2007)
- Do not use on air bags
- Ultra-V will burn circuit board



Specification	
Measured voltage	0.3~60V
Testing current	<10mA
Operating temp	0~50° C
Operating humidity	≤ 80%

KT NO.	Test range		
9DC243	12, 24, 48	277	10 / 60



Positive (+) polarity



Negative (-) polarity



Battery Tester

9DD21

- Test battery hydrometer quickly
- Use to check battery condition and charge state
- Detects hot or cold overcharge accurately
- For 6 / 12 / 24 volt system

⚖️ 85 📦 10 / 100



Anti-freeze & Coolant Tester

9DD22

- Use to check condition of antifreeze and coolant (Ethylene Glycol)
- Ideal for avoiding winter freeze-ups and summer overheating

⚖️ 85 📦 10 / 100



Mechanic's Stethoscope

9DH11

- Ears covered with plastic, effective to separate from outside noise
- 210mm extension probe can expand the space while operating or using in narrow space
- Quickly to find and detect the abnormal noise with the probe
- Use for detecting various vehicles parts or machine equipment

⚖️ 147 📦 12 / 72



Vehicle Battery Tester

9DC51

- Test a 12V lead-acid battery of any vehicle
- CCA testing (SAE/DIN/EN/IEC/CA standard)
- Working voltage: DC 9~15V
- Engine starting voltage test
- Measures the minimum voltage when the engine starts
- Charging voltage test
- About 14 volts
- CCA Level bar indication
- LOW / MID / HIGH
- LCD with background light

KT NO.	Test range(V)	Size(mm) L x W x H	⚖️	📦
9DC51	9 ~ 15	135 x 78 x 33	374	1 / 30



Digital Glow Plug Tester

9DM1A1

- Suitable for steel and ceramic glow plugs
- LCD Display
- Short circuit protection & reverse charging protection
- Auto power off : 110 seconds
- 9V batteryx1 (included)
- CE approval

KT NO.	Glow plug(V)	Size(mm) L x W x H	⚖️	📦
9DM1A1	3.5-4.4-5-7-8.5 10-11-24	135 x 78 x 33	356	1 / 40



Gasoline Engine Injection Pressure Tester Kit

9DP1101

- Used to identify and diagnose low fuel pressure
- Shockproof gauge with dual reading of 0~120 PSI and 0~8 bar
- Various kit of adapters for most injection systems of European, Japanese and American vehicles, includes Bosch CIS, GM TBI and MFI system



81
PC.

5.0 1 / 4

No.	Dedcription
1	1 PC. (0-120 psi/0-8bar)
2	1 PC. Connector Hose
3	1 PC. Connector Hose
4	1 PC. Connector Hose
5	1 PC. Connector Hose
6	1 PC. Connector Hose
7	1 PC. Connector Hose
8	1 PC. Connector Hose
9	2 PC. Connector Tube (5/8"-18 male nut)
10	2 PC. Connector Tube (5/8"-18 invert flare nut)
11	2 PC. Adapter (M16 female~5/8")
12	2 PC. Adapter (M14 female~3/8")
13	2 PC. Adapter (M16 female~3/8")
14	2 PC. Adapter (M14 female~3/8")
15	2 PC. Adapter (M16 ar-10mm)
16	1 PC. Adapter
17	1 PC. Manifold Adapter
18	1 PC. Manifold Adapter
19	1 PC. Adapter (90 degrees)

No.	Dedcription
20	1 PC. Adapter (M14 male-female)
21	1 PC. Adapter (M10 male-M12 male)
22	1 PC. Adapter (M10 female-M12 male)
23	1 PC. Adapter (M8 female-M12 male)
24	2 PC. Adapter (M8 male-M12 male)
25	1 PC. Adapter (M14 male-M12 male)
26	1 PC. Adapter (M16 male-M12 male)
27	1 PC. Adapter (Banjo bolt M12)
28	1 PC. Adapter (Banjo bolt M12)
29	1 PC. Adapter (Banjo bolt M10)
30	1 PC. Adapter (Banjo bolt M8)
31	1 PC. Adapter (Banjo bolt M6)
32	1 PC. Adapter
33	1 PC. Adapter (M8 male-M12 male)
34	1 PC. Adapter (M16 female-M12 male)
35	1 PC. Adapter (M14 female-M12 male)
36	1 PC. Gauge Hook
37	1 PC. Repair Pack

Gasoline Compression Tester Kit

9DP130

- Suitable for petrol engines on lawn mowers, motorbikes, cars, trucks and so on.
- Quickly diagnose problems with pistons, rings, and valves
- Gauge has dual color scale with 0-300 PSI, 0-20 Kpa
- Easy pressure release button on side of tester
- Brass corrosion resistant fittings

KT NO.	Max Pressure		
9DP1301	300PSI / 20Kpa	1206	1 / 10
9DP1302	300PSI / 20Kpa	1100	1 / 10



9DP1301



9DP1302

8
PC.

3
PC.

Diesel Engine Compression Tester Kit

9DP2301

- Suitable for testing cars and light commercial vehicles with direct or indirect injection on diesel engine
- Gauge reading range from 0-1000 PSI (0-70 bar)
- Includes a pressure gauge, various connect adapter and replacement seal & washer

2.58 1 / 6

No.	Dedcription
A	1 PC. 2-1/2" gauge with 420mm hose
B	1 PC. Glow plug adapter (73.5mm*M10*1.25)
C	1 PC. Glow plug adapter (54mm*M12*1.25)
D	1 PC. Glow plug adapter (72mm*M14*1.25)
E	1 PC. Dummy injector (114mm)
F	1 PC. Dummy injector (64mm*M24*2.0)
G	1 PC. Stanadyne dummy (112mm)

No.	Dedcription
H	1 PC. Glow plug adapter (114mm*M10*1.25)
I	1 PC. Glow plug adapter (119mm*M10*1.0)
J	1 PC. Dummy injector (75mm*M20*1.5)
K	1 Set Seal & washer
L	1 PC. 90° Elbow
M	1 PC. Clamp plate



11
PC.



Oil Pressure Tester Kit

9DP3201

- Suitable for testing engine oil pressure and transmission pressure
- Applicable to both gasoline and diesel engines, also suitable for passenger cars and light trucks
- Gauge reading range from 0-150 PSI (0-10 bar)
- Provided with an oil filter clamp for piercing through oil filter canister when oil pressure switch is hard to access

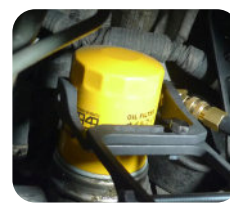
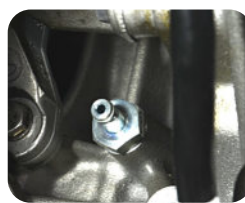
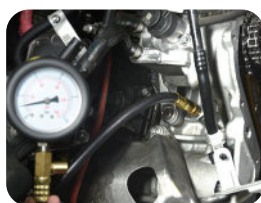
2.10 1 / 5

Adapter

Black (Imperial threads)	Silver (Metric threads)
1/2" x 20 UNF	M10 x P1.0
3/8" x 20 UNF	M12 x P1.5
1/4" x 18 NPTF	M14 x P1.5
1/8" x 27 UPT	M16 x P1.5
R 1/8" DIN	M18 x P1.5



13
PC.



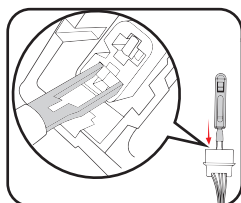
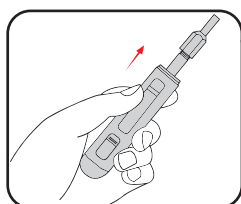
Universal Terminal Release Tool Set

9DT11

- Suitable for most of the vehicles, VW Group, BMW, Opel, Renault, Ford, Daimlerchrysler, Fiat, Toyota and Saab
- Use to loose contacts easily or carry out other applications in the field of car electricity

A	9DT11-1	ABS 4.0mm round terminal
B	9DT11-2	3.5mm round terminal
C	9DT11-3	1.5mm round terminal
D	9DT11-4	Maxi power timer
E	9DT11-5	Pit pod / Faston 6.3mm
F	9DT11-6	JPT / SPT
G	9DT11-7	Micro timer ii
H	9DT11-8	Standard tool
I	9DT11-9	Standard 2.72mm
J	9DT11-10	Standard 1.48mm
K	9DT11-11	Standard 1.89mm
L	9DT11-12	Micro standard

850 1 / 10



12
PC.

Safety Goggles

9CK-101

- Soft PVC frame & lens high impact clear polycarbonate
- Anti-dust and anti-impact vents

KT NO.	inch	mm	inch	mm		
9CK-101	2-7/8	74	6	153	70	20 / 200

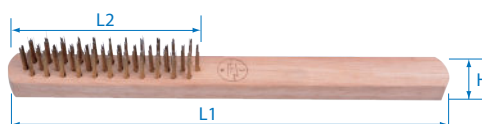


Steel Wire Brush

9CZ101

- Material : wood handle / steel wire
- Wire brush with three rows

KT NO.	H mm	L1 mm	L2 mm		
9CZ101	22	258	105	65	24 / 144



Pressure Oil Can

9TB225

9TB500

- Material: Plastic body (9TB225)
- Material: Metal body (9TB500)

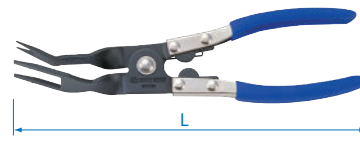


KT NO.	Capacity c.c.	9TB225	9TB500
9TB225	225	103	1 / 160
9TB500	500	302	10 / 60

Clip Removal Pliers

9TC101

- For removal of door inner-linings and other trim items held in place by plastic rivets



KT NO.	inch	mm	g	box / cube
9TC101	9	230	241	12 / 48

Flexible A/C Detective Light

9TQ31

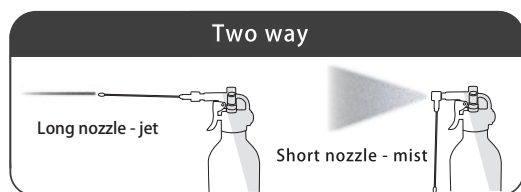
KT NO.	L1 mm	L2 mm	L3 mm	g	box / cube
9TQ31	34	400	140	107	1 / 5



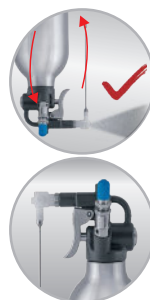
Refillable Pressure Sprayer

9TBA600

- Suitable for lubrication, cleaning brake systems, removing dust and applying anti-rust
- Two-position folding nozzle for a standard or long stream spray pattern for narrow and difficult to reach areas
- Do not use with strong chemical or corrosive fluid tool
- The aluminum alloy material uses a one-piece seamless structure to withstand high pressure
- Increase in thickness makes the product less prone to deformation and stronger
- The trigger is not affected by recoil force and is easy to operate
- Max pressure 350 Psi (25Kg /cm²)
- Safety valve pressure : 140Psi (9.84 Kg /cm²)



KT NO.	inch	L mm	capacity	g	box / cube
9TBA600	11	280	600 c.c.	330	1 / 12



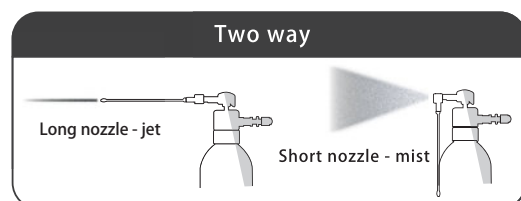
Safety pressure valve



Always wear eye protection while using this tool

9TBA650

- Suitable for lubrication, cleaning brake systems, removing dust and being anti-rust
- Two-position folding nozzle for a standard or long stream spray pattern for narrow and areas which are difficult to reach
- Aluminum canister
- Do not use with strong chemical or corrosive fluid



KT NO.	inch	L mm	capacity	g	box / cube
9TBA650	11	287	650 cc	290	1 / 12

spare nozzle #9TBA650BTK



Pry Bar & Set

- Grip material - PP+TPR
- Chrome vanadium alloy steel

9TK1

- Packaged in plastic tray
- Pry bars are for prying and levering
- Sturdy blade minimizing lever spring effect
- It's hardened and tempered for maximum durability



KT NO.	L mm		
9TK108	204	110	6 / 72
9TK112	312	286	6 / 48
9TK118	458	514	6 / 48
9TK124	608	655	6 / 36

9TK014



Contents



1.87



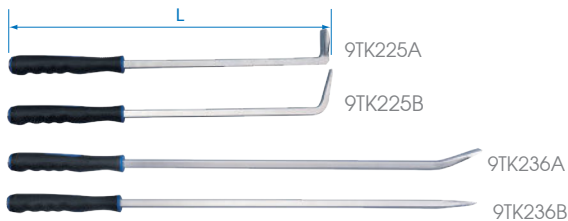
4
PC.

9TK108, 9TK112, 9TK118, 9TK124

Jumbo Pry Bar & Set

9TK2

- For heavy-duty application
- Includes straight, 90, 45, 30 degree tip for variety situation to use
- Extra long pry bar makes more powerful for prying and levering



KT NO.	inch	L mm	Type		
9TK225A	25	630	90°	1620	1 / 6
9TK225B	25	630	75°	1510	1 / 6
9TK236A	36	930	30°	2070	1 / 12
9TK236B	36	930	Straight	2060	1 / 12

9TK024



Contents



9.34



4
PC.

9TK225A
9TK225B
9TK236A
9TK236B

Rolling Head Pry Bar & Set

- Material - chrome vanadium alloy steel
- Finishing - Black phosphate with polished head



CAUTION Please wear proper safety gear while working.

9TK3

- With a long tapered end for alignments and a rolling head for prying



KT NO.	inch	L mm	A mm	B mm		
9TK306	6	151	29.0	10.0	75	10 / 200
9TK312	12	305	36.5	12.3	252	2 / 40
9TK316	16	405	45.6	14.5	501	2 / 20
9TK320	20	504	60.2	18.0	952	2 / 20

9TK034



Contents



1.73



4
PC.

9TK306
9TK312
9TK316
9TK320

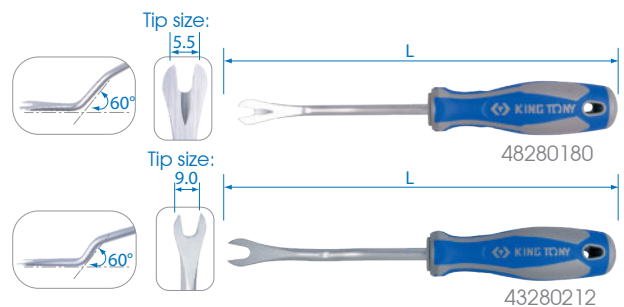
Door Upholstery Remover

- Grip material - PP+TPR
- Chrome vanadium alloy steel

48280180

43280212

- Special tool to remove the lining and clip of the car

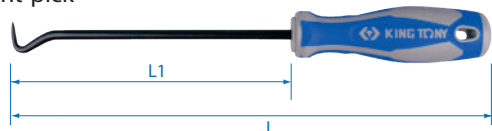


KT NO.	Tip mm	L mm	Type		
48280180	5.5	210	60°	90	12 / 144
43280212	9	240	60°	134	12 / 144

Hook & Pick Set

43250115Y

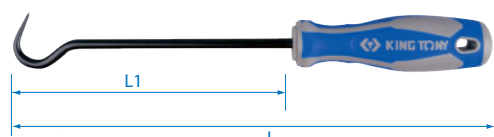
- 10" Bent-pick



KT NO.	L mm	L1 mm		
43250115Y	260	150	94	12 / 144

43260115Y

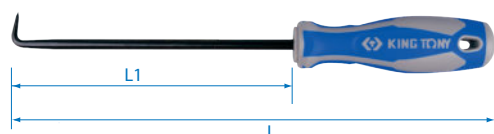
- 10" Hook-pick



KT NO.	L mm	L1 mm		
43260115Y	260	150	96	12 / 144

43270115Y

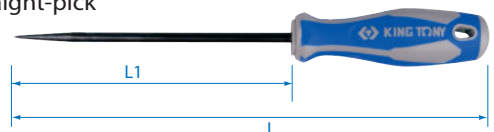
- 10" 90°-pick



KT NO.	L mm	L1 mm		
43270115Y	260	150	94	12 / 144

43290115Y

- 10" Straight-pick



KT NO.	L mm	L1 mm		
43290115Y	260	150	91	12 / 144

9-30904AY

- Use for scribing, alignment, installing and removing O rings, seals, cotter pins and washers



4
PC.



Contents

0.43

1 / 10

43250115Y

43270115Y

43260115Y

43290115Y

43240115Y

- Wide scraper
- Use for removing old gaskets more easily and quickly



KT NO.	L mm	L1 mm		
43240115Y	260	150	149	12 / 144

30914AY

- Use for scribing, alignment, installing and removing O rings, seals, cotter pins and washers

Contents

62.8

6 / 72

43350175Y

43360175Y

43370175Y

43390175Y



4
PC.

Hook & Pick Set

9-30909AY

Tray category #8 (375 x 187mm)

- Use for scribing, alignment, installing and removing O rings, seals, cotter pins and washers
- Use for removing old gaskets more easily and quickly

9
PC.

Contents		0.69	1 / 12
	43250115Y		43350175Y
	43260115Y		43360175Y
	43270115Y		43370175Y
	43290115Y		43390175Y
	43240115Y		

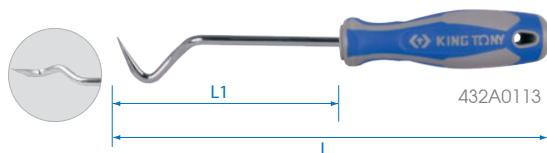


Radiator Hose Removal Tools

- Grip material - PP+TPR
- Chrome vanadium alloy steel

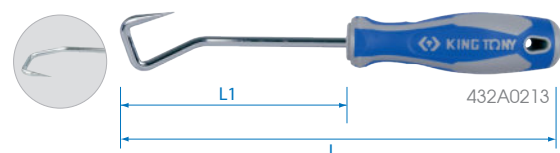
432A0113

- 9-1/2" Lightening type removal tools
- 9-1/2" U type removal tools



KT NO.	L mm	L1 mm		
432A0113	240	130	93	12 / 96

432A0213



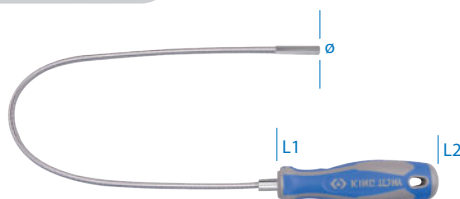
KT NO.	L mm	L1 mm		
432A0213	240	130	101	12 / 96

Magnetic Flexible Handle

- Grip material - PP+TPR

2121

- Enhanced flexible conduit for perfect shaping
- More powerful magnetic force



KT NO.	Size	Dia x length(mm) L1 L2	Magnetic power(kg)		
2121-12	12"	Ø 7 x 305 415	0.5	100	1 / 100
2121-18	18"	Ø 7 x 457 567	0.5	120	1 / 80

2121A

- Powerful magnet retrieves metal objects up to 3kg
- Slide cap prevents retrieving foreign objects
- Enhanced flexible conduit for perfect shaping
- Grip Material-PP+TPR
- Chrome vanadium alloy steel

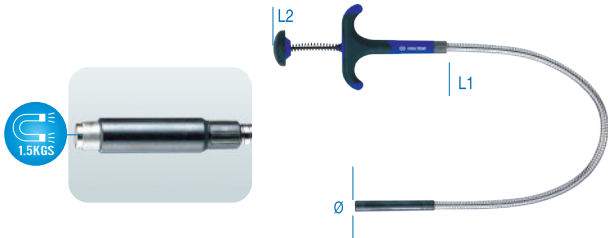


KT NO.	Size	Dia x length(mm) L1 L2	Magnetic power(kg)		
2121A-15	15"	Ø 18 x 381 491	3	250	1 / 25
2121A-18	18"	Ø 18 x 457 567	3	270	1 / 25

Magnetic Pick-Up Tool

2124

- Compact and ergonomic design for comfortable holding
- Enhanced flexible conduit for perfect shaping
- Solid crimping for holding tube and flexible conduit
- More powerful magnetic force
- Comfortable pushing strength

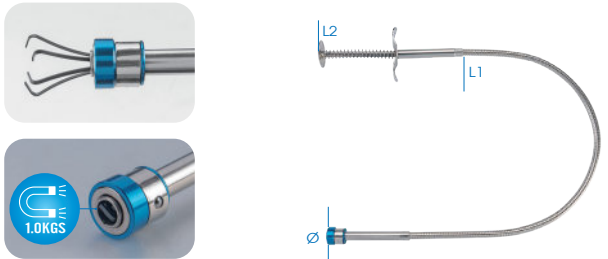


KT NO.	Size	Dia x length(mm)		Magnetic power(kg)		
		L1	L2			
2124-18	18"	Ø13.5 x 450	610	1.5	181	1 / 36

Magnetic Claw Pick-Up Tool

2126A-18

- Compact and ergonomic design for comfortable holding
- Enhanced flexible conduit for perfect shaping
- Solid crimping for holding tube and flexible conduit
- Maximum claw width 1-1/4"
- Comfortable pushing strength

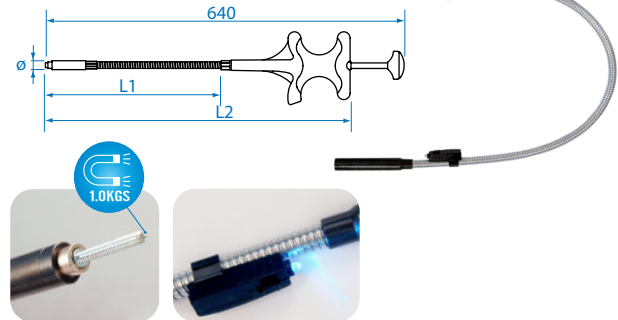


KT NO.	Size	Dia x length(mm)				
		L1	L2			
2126A-18	18"	Ø15 x 440	600	1-1/4"	258	1 / 36

3 in 1 Pick-Up Tool

2129-24

- Compact and ergonomic design for comfortable holding
- Enhanced flexible conduit for perfect shaping
- Solid crimping for holding tube and flexible conduit
- More powerful magnetic force
- Hook type claw
- Clamp light
- Comfortable pushing strength
- Lithium cell : LR521 x 3



KT NO.	Size	Dia x length(mm)		Magnetic power(kg)		
		L1	L2			
2129-24	24"	Ø13 x 470	570	0.4	1-1/4"	280 12 / 48

Telescoping Magnetic Pick-Up Bar

2128-26

- Pen style for carrying conveniently



KT NO.	Extendable Length mm	Magnetic Power		
2128-26	130~640	3.5LBS/1.6KGS	45.6	50 / 200

Multi-Function Telescoping Bar

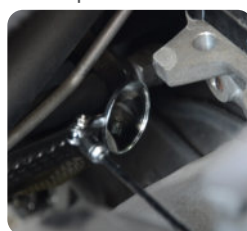
9TQ21

87 50 / 100

- Magnetic Pick-Up Bar
- 38 mm Diameter Inspection Mirror
- Scriber



- Magnetic power : 1.3 lbs / 0.6 kgs
- Extendable length : 635 mm



- To inspect hidden or narrow areas
- Double ball joint links swivel mirror for viewing to 360°



- To mark lines on workpieces
- To clean the water-sprouting hole of the windscreen wiper



3 in 1 Flexible Inspection Bar

9TQ02

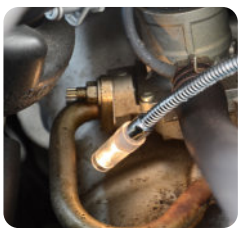
203 12 / 72

► Magnetic Pick-Up Bar



- Magnetic power : 3.5 lbs / 1.6 kgs
- Length : 450 mm

► Blub



- Size: 2.2 V , 0.25 A
- Operates On 2 AA Batteries
- (Not Included)

► Inspection Mirror



- 50 x 25 mm playground shape
- To inspect hidden or narrow areas
- Double ball joint links swivel mirror



Videoscope

- 5.5mm lens with 6 LED, can be used for shooting video or taking photo (1080P HD Camera 1920 x 1080 resolution)
- The videoscope is suitable for visually inspecting areas that are difficult to access over a great distance
- CE / ROHS / FCC certification
- IP67 waterproof rating

9TQ11

- Handheld version
- 4.3 inch LCD display with 1080P resolution
- Equipped with 2600mAh Li-ion battery, can be continuous use for 3 hours
- UN38.8 certification

740 1 / 8

Contents

	Protective cap
	Hook
	Magnet
	Side mirror
	Charging cable



9TQ12

- Wifi version
- Before use, download the inskam APP, both IOS & Android are applicable
- Equipped with 1800mAh Li-ion battery, can be continuous use for 2-3 hours

331 1 / 45



Contents

	Protective cap
	Hook
	Magnet
	Side mirror
	Charging cable



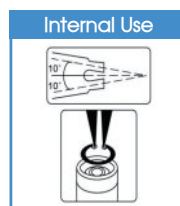
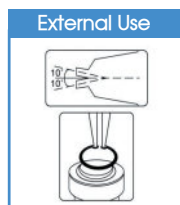
10-1/2" Internal-External Heavy Duty Circlip Pliers Set

45115PP

- Internal & External circlip pliers 10-1/2" 265 mmL, maximum spread 45 mm
- Interchangeable tips 0°, 15°, 45°, 90°
- Internal ring 65~140 mm, External ring 65~120 mm
- Interchangeable tips 2.75 mm and 3.00 mm
- Heavy duty pliers with ratcheting locking device large rings are easily controlled

Contents

	1 PC. Internal straight circlip pliers
	1 PC. External straight circlip pliers
	1 Set. 15° Internal interchangeable (Ø3mm, Black)
	1 Set. 45° Internal interchangeable (Ø3mm, Black)
	1 Set. 90° Internal interchangeable (Ø3mm, Black)
	1 Set. 15° External interchangeable (Ø2.75mm, Silver)
	1 Set. 45° External interchangeable (Ø2.75mm, Silver)
	1 Set. 90° External interchangeable (Ø2.75mm, Silver)
	1 Set - Screws (6 PC. M5x0.8)



15
PC.

KT NO.	L inch mm	Spread inch mm	Ømm	Ømm	kg	1 / 10
45115PP	10-1/2 267	2 50	-	-	1.30	1 / 10
68GS-11	10-1/2 267	2 50	65~140	3	0.31	25 / 50
68RS-11	10-1/2 267	2 50	65~120	2.75	0.32	25 / 50

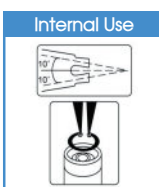
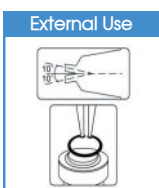
16" Internal-External Heavy Duty Circlip Pliers Set

45211PP

- Internal & External circlip pliers 16" 400 mmL, maximum spread 85 mm
- Interchangeable tips 0°, 45°, 90°
- Internal ring 78-155 mm, External ring 88~165 mm
- Interchangeable tips 3.00 mm
- Heavy duty pliers with ratcheting locking device large rings are easily controlled

Contents

	1 PC. Internal straight circlip pliers
	1 PC. External straight circlip pliers
	2 Set. 45° Internal interchangeable
	2 Set. 90° Internal interchangeable
	1 Set - Screws (6 PC. M6x1.0)



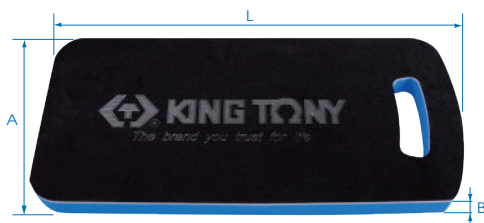
11
PC.

KT NO.	L inch mm	Spread inch mm	Ømm	Ømm	kg	1 / 6
45211PP	16 406	3-1/4 85	-	-	3.32	1 / 6
68GS-16	16 406	3-1/4 85	78~155	3	0.93	1 / 25
68RS-16	16 406	3-1/4 85	88~165	3	0.97	1 / 25

Kneeling Mat

9TG11

- Kneeling mat makes working more comfortable during repairing wheels, brakes and exhausts
- Make the chemicals and oil resistant
- Easily clean surface
- Light and small, easy to carry and available to hang it

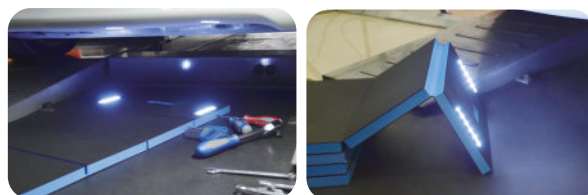
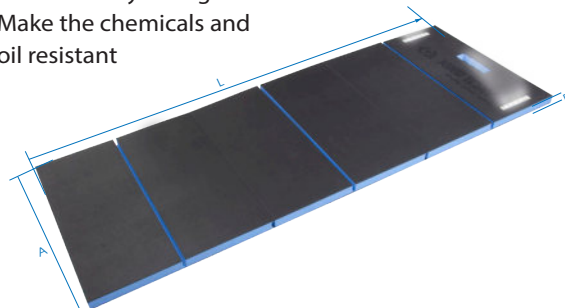


KT NO.	L mm	A mm	B mm		
9TG11	455	214	30	126	1 / 18

LED Folding Mat

9TG21

- Folding mechanics mat for mechanics sit / kneel and lie on it
- 24 SMD LED lights
- Brightness : 600 Lumen(lm)
- 3 x AA batteries not included
- Folds for easy storage
- Make the chemicals and oil resistant



KT NO.	L mm	A mm	B mm		
9TG21	1150	420	24	992	1 / 10

LED Kneeling Mat

9TG12

- Kneeling mat with work lights for under car repair or useful as a head protector
- 24 SMD LED lights
- Brightness : 600 Lumen(lm)
- 3 x AA batteries not included
- Make the chemicals and oil resistant



KT NO.	L mm	A mm	B mm		
9TG12	460	270	30	320	1 / 25

Plastic Car Creeper

87C23-B

- Designed for 2 side storage trays, for easily picking up for small parts or tools
- Vinyl-covered foam pad brings more comfortable while working
- 280 lb. weight capacity
- 1-1/4" ground clearance



KT NO.	Size mm		
87C23-B	1010 x 475 x 130 (40")	5000	1



Steel Creeper

87C24-B

87C25-B

- Designed with comfortable sponge cushion
- 300 lbs capacity
- 6 PC. durable swivel casters
- Long size Vinyl-covered foam pad brings more comfortable while working
- All steel construction frame makes it more strong and durable



87C24-B

87C25-B

KT NO.	Size mm		
87C24-B	920 x 425 x 95 (36")	5600	1
87C25-B	1020 x 425 x 110 (40")	7400	1

Wing Protector

9TP11

- Protection from unwanted scratches, dents and dirt
- Magnetic attachment keeps paintwork safe from damage
- Rugged, padded imitation leather and reinforced edges provide a perfect, cushioned working area



KT NO.	Size mm		
9TP11	1050 x 650	649	1 / 8

Wing Protector

9TP12

- Protection from unwanted scratches, dents and dirt
- Magnetic attachment keeps paintwork safe from damage
- Rugged, padded imitation leather and reinforced edges provide a perfect, cushioned working area



KT NO.	Size mm		
9TP12	1050 x 650	649	1 / 8

9TP22

- Protection from unwanted scratches, dents and dirt
- Magnetic attachment keeps paintwork safe from damage
- Suction cup attachment keeps paintwork safe from damage
- Rugged, padded imitation leather and reinforced edges provide a perfect, cushioned working area
- 3 suction cups attached



- Suction cup can be strongly adsorbed on the aluminum alloy material

KT NO.	Size mm		
9TP22	1050 x 650	650	1 / 8



Oil Drain Pan

9TT11-18

- This 18 litre Oil Drain Pan includes easy grip, large carrying handles and integral spout for pouring waste oil or fluids into a recycling container. The anti-splash lip prevents spillage. Ideal for draining antifreeze or oil. (Not suitable for spray gun cleaner)



CONTENTS :

- 18 litre capacity
- Anti-splash lip
- Integral spout
- Ideal for draining antifreeze or oil
- Meets PAHS regulations



KT NO.	L mm	W mm	H mm		
9TT11-18	681	570	130	920	15

Wheel Axle Oil Drain

9TT21-03

- When the professional technician reaches for an oil drainer pan it has to be light yet strong, a convenient size for the task in hand and easily cleaned
- The wheel Axle Oil Drain is designed for HGVs, features a 3 litre capacity and is fits snugly into the dish of the wheel to catch the waste oil as it is drained from the axle. It is also stable on the workshop floor and easy to handle



CONTENTS :

- Wheel axle oil drain pan with pouring lip
- Manufactured from PE plastic
- 3 litre capacity

KT NO.	L mm	W mm	H mm		
9TT21-03	316	246	156	390	20

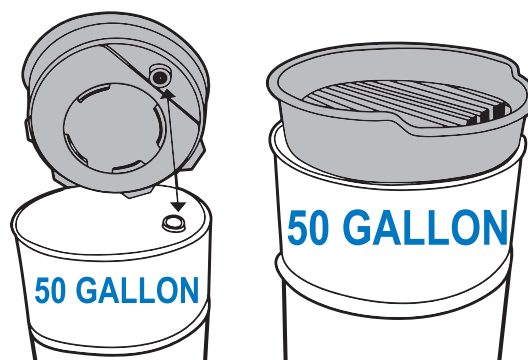
Drum Drain Basin

9TT31-20

- Plastic basin installed on drum for receiving waste oil
- Intended to be installed at a standard barrel, the drain lid marries with the barrel inlet allowing simple and efficient draining of waste oil from filters etc
- Features ribbed drainage channels and a filter gate to catch foreign objects



KT NO.	Ø mm	H mm		
9TT31-20	600	155	1700	5



10L Pneumatic Oil(ATF) & Liquid Dispenser

9TV13

- Use to extract, transfer and dispense fluid quickly, safety and cleanly
- Non-spark, one man in same step can operate
- Provide with the safety valve, pre-setting 43 PSI (3 Bar), the exceed pressure will be relief automatically
- Provide with the pressure gauge, can be read & control the pressure in the tank more easily
- Provide 2 way control valve for dispensing more safety
- 8 PC. one touch transportation adapter



KT NO.	Max. Capacity	Working pressure (PSI)	Temperature range	Air inlet	⚖️	📦
9TV13-100	10 L	90	-19°C~140°C	1/4"	4750	1

Manual Fluid Extractor

9TV21-09

- Capacity : 9 litre
- Use for extracting all types of engines oil, transmission fluid and lubricants of cars, marine, stationary, motorbikes engines etc.



KT NO.	Max. Capacity	Temperature range	⚖️	📦
9TV21-09	9 L	-19°C~90°C	4750	1 / 2

- Silicon hose x 1.2 m
- Nylon hose x 1.1 m
- Nylon hose x 1.0 m



Pneumatic Grease Pump 20L

9TU11

- The barrel body is made of high-grade steel plate. It can contain 5 gallons(20L) of barrel packed grease from all nations around the world
- Suitable for all sorts of machinery, vehicles, airplanes, ships, etc. The efficient instrument for infusing grease powerfully for lubrication & maintenance purpose
- Pump of separate type: utilize the principle of liquid getting pumped & driven by air compressor to draw in liquid. There are two independent & separate cycle systems of pump out there, which prevents air- compressor-exhaust moisture from getting to the grease inside the barrel and deteriorating its quality



KT NO.	Air Input Pressure (bar)	Pressure (PSI)	Pressure Ratio	Grease Output Pressure (bar)	Deliver Rate (cc/sec)	N.W.	G.W.	kg	CUFT
9TU11-20	4-9	60-130	45 : 1	180-405	2700-5850	30	17	20.5	21.0 6.4

Hand Grease Pump 20L

9TU21

- 20L tank for 5 gallons grease oil
- Suitable for #00,#0,#1,#2 grease oil
- Included 1.8m length hose & pistol sprayer
- 1/4" High pressure 10,000 psi W.P oilfield hose
- Portable equipment with single pull handle
- Suitable for all sorts of machineries, vehicles, airplanes, ships, etc.



KT NO.	Transmission rate	Hose Length	N.W.	G.W.	CUFT
9TU21-20	4 cc/stroke	1.8 m	8.2 Kg	9.4 Kg	2.2

Oil Transfer Bucket Pump 20L

9TW21

- Lever pump 20 L tank for oil
- Suitable for diesel fuel, lubricating oils up to SAE 90 and Non-corrosive fluids
- Included 1.8m length hose & sprayer
- Portable equipment with single pull handle



KT NO.	Deliver Rate	Hose Length	Outlet tube	N.W.	G.W.	CUFT
9TW21-20	65 cc/stroke	1.8m	3/8"	7.8 Kg	8.5Kg	2.2



ED WHEELS

ST

STARTER

Socket Set

ST2346MR

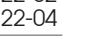
1/4"

Blow case size (mm) :
254 x 147 x 46 (0.16 cuft)

46
PC.

Contents

1.06 1 / 12

		2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14
		2033	T8, T10, T15, T20, T25, T30, T40
		2035	H3, H4, H5, H6, H7, H8
		2031	PH1, PH2, PH3
		2032	4, 5.5, 7
		2038	PZ1, PZ2, PZ3
		1115-14	H1.27, H1.5, H2, H2.5
		2766-55G	2791
		2222-02	2222-04
		2571-45	2312-06
		2179DF	



2766DK

Socket Set

ST4028MR

ST4028SR

1/2"

ST4528MR

ST4528SR

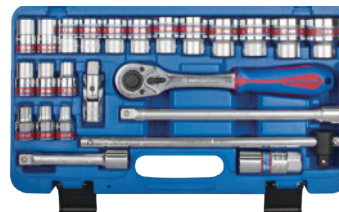
1/2"

Blow case size (mm) :
387 x 223 x 58 (0.18 cuft)

24
PC.



ST4028MR/ST4528MR



ST4028SR/ST4528SR

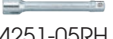
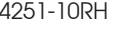


4766DK

KT NO.

Contents

4.10 1 / 4

ST4028MR	4330MRC	 8, 9, 10, 11, 12, 13, 14, 15, 16  17, 18, 19, 21, 22, 24, 27, 30, 32	 463021HC	
ST4028SR	4330SRC	 5/16", 3/8", 7/16", 15/32"  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"		 4766-10G  4251-05RH  4251-10RH
ST4528MR	4335MRC	 8, 9, 10, 11, 12, 13, 14, 15, 16  17, 18, 19, 21, 22, 24, 27, 30, 32	 463521HC	 4572-12H  4791RH
ST4528SR	4335SRC	 5/16", 3/8", 7/16", 15/32"  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"		

Socket & Wrench Set

SC7083MR

Blow case size (mm) :
422 x 275 x 85 (0.35 cuft)



SC7583MR

1/4"+1/2"



83
PC.

KT NO.	Contents		5.65 1 / 4	
SC7083MR	2330M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	1060	8, 10, 11, 12, 13, 14, 17, 19
	4330MRC	14, 15, 16, 17, 18, 19, 20, 22, 24, 27, 30, 32	2031	PH1, PH2
	463016RC		2032	4, 5.5, 6.5
	463021HC		2033	T8, T10, T15, T20, T25, T27, T30
SC7583MR	2335M	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	2035	H3, H4, H5, H6
	4335MRC	14, 15, 16, 17, 18, 19, 20, 22, 24, 27, 30, 32	2038	PZ1, PZ2
	463516HC		1836P	PH3, PH4
	463521HC		1836S	8 x 1.2, 10 x 1.6, 12 x 2.0
			1836T	T40, T45, T50, T55
			1836H	H8, H10, H12, H14
			1836Z	PZ3, PZ4
			2766-55G	4766-10G
			4251-05RH	2222-02 2222-04
			79831	4222-10
			2312-06	7702-25 3824
			2571-45H	2179DF
			414810S	2791 4791RH

Socket & Wrench Set

SC7396MR

Metal case size (mm) :
422 x 275 x 85 (0.35cuft)

5.5 1 / 4

Contents		5.5 1 / 4	
2335M	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		
2235M	6, 8, 10, 12, 13, 14		
4335MRC	10, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 27, 32		
4535M	15, 16, 17, 19, 24		
1060	8, 10, 12, 13, 14, 15, 16, 17, 18, 19		
1836H	H8, H10, H12, H14		
1836T	T50, T55, T60		
1025S	3.0, 4.0, 5.0, 6.0		
1025P	PH1, PH2 x 2, PH3		
1025Z	PZ1, PZ2 x 2, PZ3		
1025T	T10, T15, T20, T25, T27, T30, T40		
1025H	H3, H4, H5, H6		
1025U	T10H, T15H, T20H, T25H, T27H, T30H, T40H		
1025R	RB2		
753-63			
7702-25			
2766-55G	4766-10G		
2571-45H	2179DF		
4222-10	2222-02 2141		
2791	4791RH 3824 414810S		



96
PC.

Socket & Wrench Set

SC7096MR

Blow case size (mm) :
422 x 275 x 85 (0.35 cuft)

SC7596MR

1/4"+1/2"

96
PC.

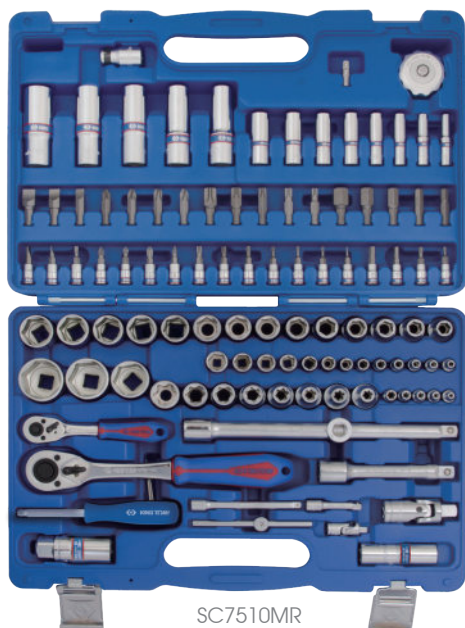


KT NO.	Contents		Kg 6.22	1 / 4
SC7096MR	 2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	 2031 PH1, PH2	 2766-55G	
	 2230M 6, 7, 8, 9, 10, 11, 12, 13	 2032 4, 5.5, 6.5	 4766-10G	
	 4230MC 14, 15, 17, 19, 22	 2033 T8, T10, T15, T20, T25, T27, T30	 2179DF	
	 4330MRC 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	 2035 H3, H4, H5, H6	 4222-10	
	 463016RC	 2038 PZ1, PZ2	 2222-02	
	 463021HC	 1836P PH3, PH4	 2222-04	
SC7596MR	 2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	 1836S 8x1.2, 10x1.6, 12x2.0	 4251-05RH	
	 2235M 6, 7, 8, 9, 10, 11, 12, 13	 1836T T40, T45, T50, T55	 2571-45H	
	 4235MC 14, 15, 17, 19, 22	 1836H H7, H8, H10, H12, H14	 2791	
	 4335MRC 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	 1836Z PZ3, PZ4	 4791RH	
	 463516HC	 1115-03 1.5, 2, 2.5	 414810S	
	 463521HC		 3824	

Socket & Wrench Set

SC7010MR

Blow case size (mm) :
422 x 275 x 85 (0.35 cuft)

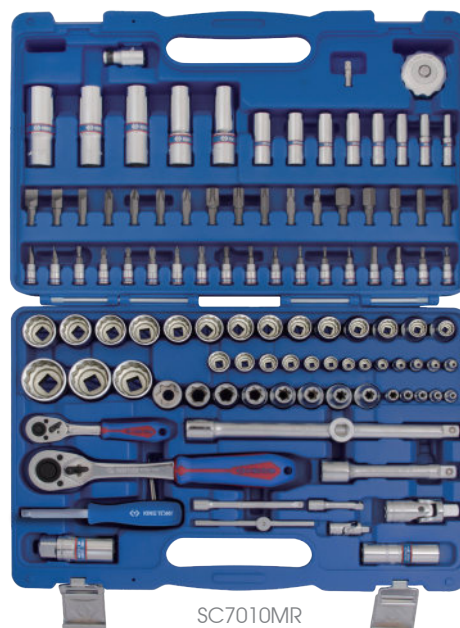


SC7010MR

SC7510MR

1/4"+1/2"

110
PC.

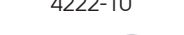
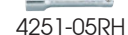
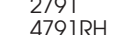
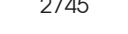


SC7010MR

KT NO.

Contents

6.90 1 / 4

SC7010MR	  2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	  E4, E5, E6, E7, E8 2375M	 2766-55G
	  2230M 6, 7, 8, 9, 10, 11, 12, 13	  E10, E11, E12, E14, E16, E18, E20, E24 4375M	 4766-10G
	  4230MC 14, 15, 17, 19, 22	  PH1, PH2 2031	 2179DF
	  4330MRC 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	  4, 5.5, 6.5 2032	 4222-10
	  463016RC   463021HC	  T8, T10, T15, T20, T25, T27, T30 2033	 2571-45H
SC7510MR	  2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	  H3, H4, H5, H6 2035	 2222-02 2222-04
	  2235M 6, 7, 8, 9, 10, 11, 12, 13	  PZ1, PZ2 2038	 4251-05RH
	  4235MC 14, 15, 17, 19, 22	  PH3, PH4 1836P	 2791 4791RH
	  4335MRC 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32	  8x1.2, 10x1.6, 12x2.0 1836S	 3824
	  463516HC   463521HC	  T40, T45, T50, T55, T60 1836T	 414810S
		  H7, H8, H10, H12, H14 1836H	 7702-25
		  PZ3, PZ4  1115-03 1.5, 2, 2.5	 2745

Socket & Wrench Set

SC9043MR

Blow case size (mm) :
560 x 400 x 110 (0.87 cuft)



SC9543MR

1/4"+3/8"+1/2"



143
PC.

KT NO.	Contents			13.7	1 / 2
SC9043MR	2330M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10	2375M E4, E5, E6, E7, E8	1060 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24		
	4330MRC 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32	3330M 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22	1930 8 x 10, 10 x 12, 11 x 13, 12 x 14, 17 x 19		
	463016RC 463021HC	4375MC E10, E12, E14, E16, E20	1145MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10		
		1025P PH0, PH1, PH2, PH3	2222-02 2222-04 2222-06	3221-03 3221-06	4251-03R
SC9543MR		1025S 4, 5.5, 7			
	2335M 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10	1025U T10H, T15H, T20H, T25H, T27H, T30H, T40H	4222-10	2312-06	2179DF
	4335MRC 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30, 32	1025H H2, H3, H4, H5, H6, H7, H8, H10	3781-11F	4452-18FR	2141
	463516HC 463521HC	1025Z PZ0, PZ1, PZ2, PZ3	4581-10	79831	6111-07
		1421 PH2 x 38, PH1 x 80	2766-55G	4766-10G	6011-10R
		1461 PH2 x 100			
		1422 6.5 x 38, 5.5 x 75	79093-03M	3824 3812	2791 3792 4791RH
		1462 6.5 x 150		7821-30	

Ball Hex Key

ST1120MR



- Extra long arm with ball point type
- DIN ISO 2936



KT NO.					
ST112012MR H12	57	262	283	8 / 48	
ST112014MR H14	70	294	441	8 / 48	
ST112017MR H17	80	337	740	4 / 32	
ST112019MR H19	89	379	1044	4 / 16	

ST1145MR



- Standard arm type
- Hex head
- DIN ISO 2936



KT NO.					
ST114512MR H12	57	137	166	10 / 120	
ST114514MR H14	70	154	261	6 / 72	
ST114517MR H17	80	177	439	4 / 48	
ST114519MR H19	89	199	619	4 / 32	

Hex Key Set

ST20219MR



9
PC.

Spec.	Contents		
Standard arm	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	300	6 / 48

ST20209MR



9
PC.

Spec.	Contents		
Extra long arm	H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10	480	8 / 48

ST20213MR



13
PC.

Spec.	Contents		
Standard arm hex-head key	H2, H2.5, H3, H4, H5, H6, H7, H8, H10, H12, H14, H17, H19	1880	2 / 8

ST20208MY



8
PC.

Spec.	Contents		
Extra long arm	H2, H2.5, H3, H4, H5, H6, H8, H10	480	8 / 48

Hex Key Set

ST20109MR



9
PC.

Spec.

Contents

0.48 8 / 48

Extra long arm / ball ST1120MR H1.5, H2, H2.5, H3, H4, H5, H6, H8, H10

ST20419PR



9
PC.

Spec.

Contents

470 8 / 48

Extra long arm / Tamper resistant ST1127R T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H

ST20203MR



13
PC.

Spec.

Contents

330 1 / 4

Extra long arm / ball ST1120MR H2, H2.5, H3, H4, H5, H6, H7, H8, H10, H12, H14, H17, H19

ST20203SR



13
PC.

Spec.

Contents

330 1 / 4

Extra long arm / ball ST1120SR 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8, 3/4

Tool Trolley

ST87432-5B

5 Drawer & 7 Drawer Tool Trolley

- Heavy duty ball bearing slides
- 5"x1-1/4" casters with locking break
- One piece wall constructed and powder coating
- Central locking system
- Oil can holder / optional side pull handle bar
- 2mm anti-slipping rubber top mat
- Overall size : W670 x D460 x H812 mm

ST87432-5B 52 CUFT 12.64
ST87434-7B 60

ST87434-7B



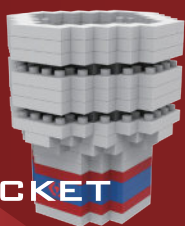
ST87432-5B



ST87434-7B

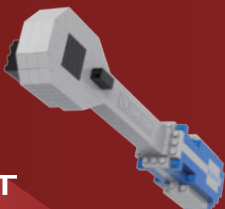
01

HAND SOCKET



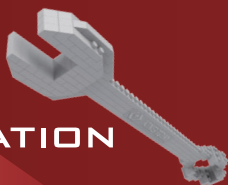
02

RATCHET



03

COMBINATION
WRENCH



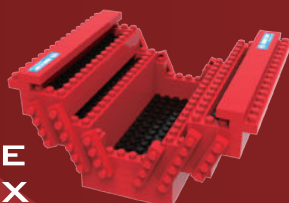
04

PHILLIPS
SCREWDRIVER



05

PORTABLE
TOOL BOX



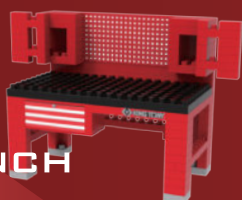
06

SHELF TROLLEY



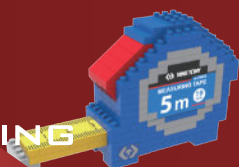
07

WORKBENCH



08

MEASURING
TAPE



TOOL DIAMOND BLOCKS

SET A

TS00108



WARNING:

CHOKING HAZARD
SMALL PARTS, NOT FOR
CHILDREN UNDER 3 YEARS



01

IMPACT SOCKET



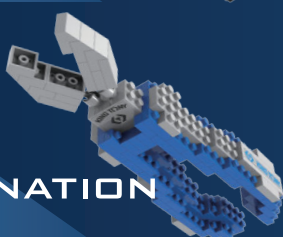
02

IMPACT WRENCH



03

COMBINATION
PLIERS



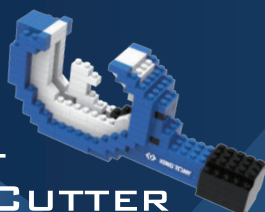
04

SLOTTED
SCREWDRIVER



05

RATCHET
TUBING CUTTER



06

TOOL TROLLEY



07

LED LAMP



08

TOOL BOX



TOOL DIAMOND BLOCKS

SET B

TS00208



WARNING:

CHOKING HAZARD
SMALL PARTS, NOT FOR
CHILDREN UNDER 3 YEARS





Promotional Merchandise

Business & Office

Leather Male Wallet



ZS104

Size : 115 x 90 mm

Briefcase (Leather)



ZS107

Size : 400 x 350 x 80 mm

Leather Belt (Male)



ZS108

Ball-Bearing Pen



ZS402

Ball-Bearing Pen



ZS405

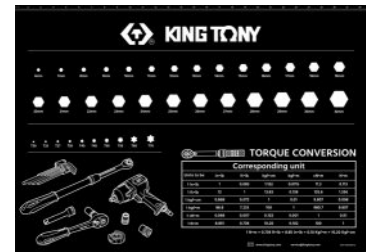
Notepaper



ZS517

Size : 75 x 75 mm

Mat



ZS418K

new

Size : 700 x 500 x 2 mm

Ruler 30cm



ZS408

Mouse Pad



ZS306

Size : 180 x 180 x 3 mm

A4 Shape Clear File



ZS409

Size : 310 x 220 mm

Mat



ZS411

Size : 530 x 367 x 2 mm

Leisure Products

Golf Umbrella



ZS116

Size : 68 x 8K

Personal Cooler Bag



ZS120-S

new

Size : 290 x 150 x 210 mm
Weight : 352g

Handbag



ZS119

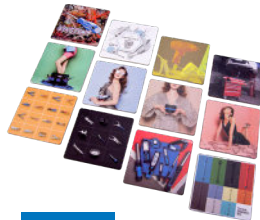
Size : 360 x 380 x 100 mm

Paper Cup



ZS511

Coaster



ZS514

Size : 99 x 99 mm

Stainless Grilling & Barbecue Utensils



ZS572

Mug



ZS606

new

Size : 900 x 240 mm
Capacity : 550ml

Beach Towel



ZS155

ZS155A

Size : 740 x 1400mm
80% Polyester
20% Nylon

Door mat



ZS417

new

Size :
600 x 900 x 08mm
PVC



Merchandise

Mini Pocket Tools



ZS522

Mini Pocket Tools



ZS524

Key Ring



ZS533

Mini Pocket Tools



ZS540

Clothes

Work Clothing



ZS109

	Overall	Waist.(inch)	Hip(inch)
ZS109 - L		34"	48"
ZS109 - XL		36"	50"
ZS109 - 2L		38"	52"
ZS109 - 3L		41"	54"

Work Clothing



ZS112

	Overall	Waist.(inch)	Hip(inch)
ZS112 - L		36"	44"
ZS112 - XL		40"	48"
ZS112 - 2L		44"	52"
ZS112 - 3L		48"	56"

Work Hat



ZS110

T-shirt



ZS142W



ZS142B

	Shoulder width	Chest girth
Overall	(inch)	(inch)
 S	16"	38"
 M	17"	40"
 L	18"	42"
 XL	18-1/2"	44"
 2L	19"	46"
 3L	19.5"	48"

Hoodie



ZS146

	Overall	Chest girth (inch)
ZS146 - S		51"
ZS146 - M		53"
ZS146 - L		56"
ZS146 - XL		61"
ZS146 - 2L		64"

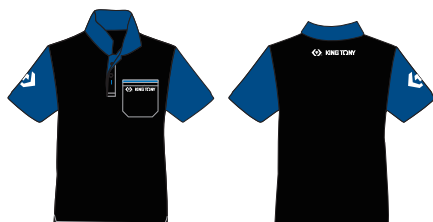
Windbreaker Jacket



ZS141

	Overall	Chest girth (inch)
ZS141 - S		44"
ZS141 - M		46"
ZS141 - L		48"
ZS141 - XL		50"
ZS141 - 2L		52"
ZS141 - 3L		54"

Polo-shirt



ZS126

new

	Overall	Length (inch)	Sleeve length (inch)	Chest girth (inch)	Shoulder width (inch)
ZS126 - S		27"	9"	41"	18"
ZS126 - M		27.5"	9"	43"	19"
ZS126 - L		28"	10"	45"	20"
ZS126 - XL		29"	10"	47"	20.5"
ZS126 - 2L		29"	10"	50"	21.5"



Sales Support

Small Flag



ADFLAG

Size : 254 x 160 mm

Big Flag



ADFLAG1

Size : 930 x 1430 mm

Outdoor Flag



ADFLAG2

Size : 2100 x 600 mm

Canvas Strip



ADCV-01



ADCV-02

Size : 3000 x 800 mm

Stickers



ADSTK21KT 909 x 450 mm

ADSTK22KT 506 x 226 mm

ADSTK23KT 264 x 42 mm

Stickers



ADSTK31KT

Size : 660 x 160 mm

Stickers



ADSTK-C1

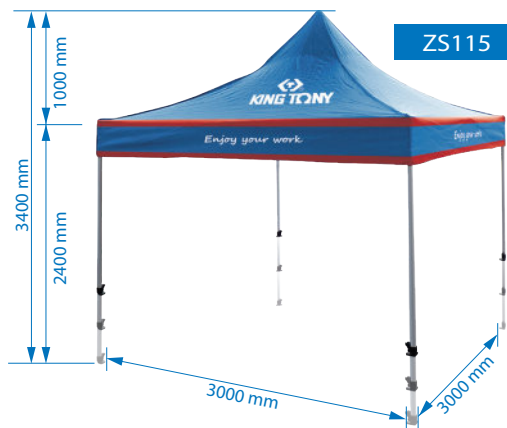
Size : ø - 250 mm



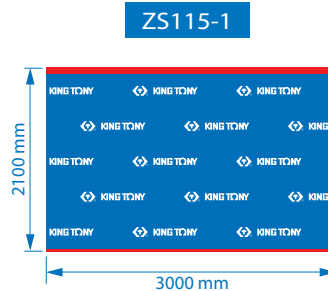
ADSTK-H2

Size : ø - 250 mm

Folding Tent



ZS115



ZS115-1

- Quick and easy to set up
- Tent roof made of high quality 600D fabric
- Waterproof and UV resistant
- Full structure made of robust steel
- Adjustable height, max to 3400 mm
- Includes practical carrier bag

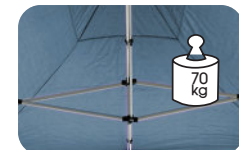
KT NO.	Spec.	Height (mm)	kg	box
ZS115	3000 x 3000 mm (not included ZS115-1)	3400	22	1 / 1
ZS115-1	2100 x 3000 mm Side curtain	-	0.9	1 / 15



ZS115-1 x 3



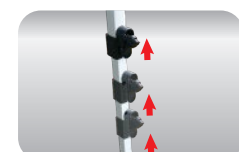
- Full truss structure



- Hanging capacity up to 70 kgs



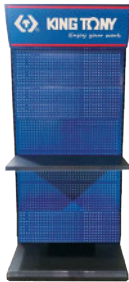
- Foot pad comes with stake hole



- 3 section of height adjustment

Display Stand Series

Display Stand



87306A

Overall Size -
W 1000 x D 500 x H 2200 mm
Attachment-
1 PC. lamp case
2 PC. shelf
6 PC. steel plate with hole
40 PC. Black hooks
(170 x Ø3.6mm)
Weight - 46 Kg / Cuft - 5.9

Double-sided Display Stand



87307A

Overall Size -
W 1000 x D 960 x H 2200 mm
Attachment-
2 PC. Lamp case(1 LED , 2 spotlights)
4 PC. Shelf
12 PC. Steel plate with hole
40 PC. Hooks
Weight - 75 Kg / Cuft - 12.16

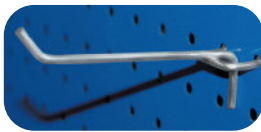
Display Board



87203

Wall hanging type 30 PC. hook included
Overall Size -
W 725 x D 14 x H 900 mm
Weight - 11.50 Kg / Cuft - 0.328

Display Hook



■ 87301-494A 4" x Ø 4 mm
■ 87301-496A 6" x Ø 5.2 mm
■ 87301-498A 8" x Ø 5.2 mm
■ 87301-499A 9" x Ø 8 mm

Display Stand



87301-36(White)

Overall Size -
W 902 x D 268 x H 143 mm
Weight - 6.5 Kg / Cuft - 0.62



Hammer Hook



91431

Overall Size -
W 40 x D 210 x H 240 mm
Weight - 411.6 g / Cuft - 0.072

Steel Rack Hook



91432

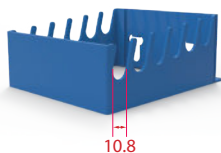
Idea for hanging display & presenting tool set
230mm maximum depth
5kg maximum tool weight (heavier & longer items, you can put 2 PC. to hold)

Impact Wrench Hook



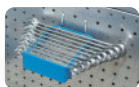
■ 91451-01A(1/4"-19 BSPT)
■ 91451-01B(1/4"-18 NPT)
■ 91451-01F(1/4"-19 BSPT)

Wrench Display

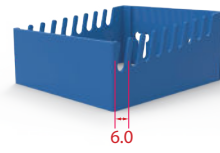


87157-06

Capacity : 6 PC.
For all measuring tape
(1900 27x30~41x46 Series)
Size:100x100x46mm
Weight - 0.22 Kg
Cuft - 0.72



Wrench Display



87157-09

Capacity : 9 PC.
For all measuring tape
(1900 5.5x7~27x29 Series)
Size:100x100x46mm
Weight - 0.22 Kg
Cuft - 0.72



Side Panel for Display Stand



ADVT-04

Size : 240 x 900 mm

Side Panel for Display Stand



ADVT-05

Size : 240 x 900 mm

Magnetic Base



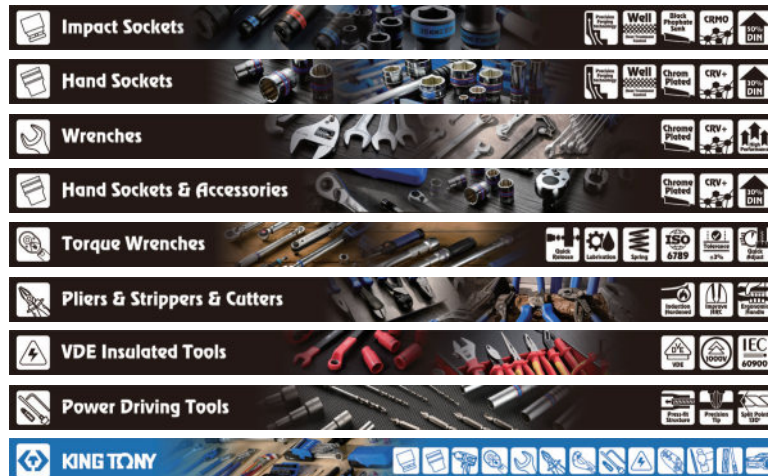
91422

Signage for Display Stand



ADVT-03X

Size : 960 x 55 mm
Magent



ADVT-031

ADVT-032

ADVT-033

ADVT-034

ADVT-035

ADVT-036

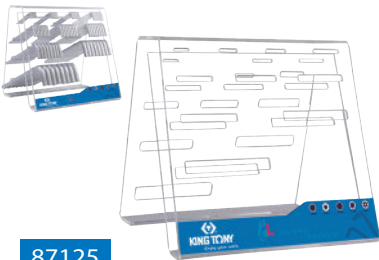
ADVT-037

ADVT-038

ADVT-039

Tool Display

Display Shelf for L-wrench



87125

Overall Size - W 220 x D 260 x H 5 mm
Weight 135g / Cuft 1.10
Reference : 2020H0MR

Display Stand



87152

Overall Size - W400 x D230 x H470 mm
Weight - 1.20 Kg / Cuft - 1.53

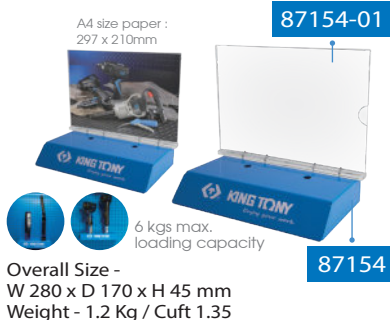
Display Rack for Torque Wrench



87153

Overall Size - W 330 x D 255 x H 475 mm
Weight - 1.23 Kg / Cuft - 1.41

Tools Display Stand



87154-01

A4 size paper :
297 x 210mm



87154

Overall Size -
W 280 x D 170 x H 45 mm
Weight - 1.2 Kg / Cuft 1.35

6 kgs max.
loading capacity

Impact Wrench Display Stand



87156A

Overall Size -
W 280 x D 170 x H 45 mm
Weight - 1.9Kg / Cuft 0.31



87156

Contents

	87156
	87154-01
	SY-210M x3
	SY-20A x6
	SY-10A x3

Socket Shelf



87102

87103

Width can be adjustable to display multiple socket series
Single serial socket size tab attached

Overall Size -
W 415 x D 336 x H 320 mm
Weight - 6.85 Kg(87102)
6.37 kg(87103)
Cuft - 0.67

Reference:
3568MR
4072MR / 4572MR
4072SR / 4572SR
4066MR / 4566MR
4066SR
4472MP/4472SP
4466MP/4466SP

Screwdriver Shelf



87105

87107

87111

87105-W 595 x D 240 x H 210 mm
Weight - 3.40 Kg Cuft - 1.97
87107-W 383 x D 136 x H 130 mm
Weight - 0.86 Kg
87111-W 655 x D 240 x H 210 mm
Weight - 3.80 Kg Cuft - 2.2

Reference:
87105 (31416MR)
(31516MR)
87107 (31419MR)
87110 (31512MR)
87111 (31519MR)

Impact Wrench Display Stand



871061A(1/4"-19 BSPT)
871061B(1/4"-18 NPT)
871061F(1/4"-19 BSPT)

Reference :
Applied for 3/8" & 1/2" DR. air tools

Screwdriver Shelf



87104

Overall Size -
W 325 x D 205 x H 270 mm
Weight - 1.20 Kg Cuft - 0.3

Metal Holder for Flat Chisel



87108

Metal Holder



8711B

Overall Size -
W 600 x D 240 x H 60 mm
Weight - 6.20 Kg
Cuft - 0.9
Reference :
1090PR1





Sign List

								
Internal hexagon	External hexagon	Bi-hexagon	Spline head	Spline head - tamper resistant	Internal torx	External torx	External torx - tamper resistant	Double square
								
torx plus-tamper resistant	torx plus	Ribe bit socket	Phillips head	Slotted head	Pozidriv	PlusMinus	Internal square	External square
								
External square	Ribe socket 12 mm	Ribe socket 10 mm	Axial lock nut	Square	Crowfoot	Hook wrench	External KM locknut	Internal KM locknut
								
Speical profile for wheel nut	Claw Pickup	Internal square	Hexagon	Pentagon	Ball hex	Flat face - round	Flat face - square	Milled square face
								
Internal circlip	External circlip	Thin serrated	Coarse serrated	Smooth	With opening spring	Round jaws	Half-round jaws	Flat & point jaws
								
Soft wire	Medium hard wire	Hard wire	Piano wire	Europe	America & Asia	Australia & New Zealand	English	Australia
								
Changeable blade	Guide rollers	Cutter wheel	Outside diameter (O.D.)	Wall thickness	Inside diameter (I.D.)	Capacity of open jaw	Diameter	
								
Center cut	With bevel	With small bevel	With very small bevel	Without bevel				
								
Max. torque	Air inlet	Free speed	Air pressure	Std. bolt size	Air hose	Anvil type	Avg. air consumption	Sound
								
Vibration level	Litre capacity	Q'ty / Carton	Q'ty / Box	Q'ty / Bag	Q'ty / Blister card	Weight		
								
Light weight	1000V	ESD	ISO	CE certificate	VDE certificate	G.S. approval	TUV certificate	

 HGV	 Commercial Vehicles	 Small commercial vehicles	 Passenger cars	 Buses	 Construction vehicles	 Agricultural machinery	 Motorcycles	 Engine series
 Agricultural machinery-tiller	 Chassis	 Steel construction	 Assembly line	 Factory	 Diesel engine	 Petrol engine	 Timing belt	 Timing chain
 Strobe	 IP Protection	 Adjustable lighting	 Lumen	 Lighting for hours	 Watt	 Adjustment button	 Thickness	 Magnetic
 USB cable	 USB charger	 Cable length	 Charging time	 DC charger	 AC charger	 Li-ion battery	 Battery	 IK07/ IP20
 10 cm range								

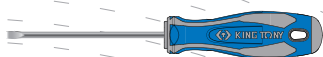
Information-General Safety Recommendations



CAUTION



Please wear proper safety gear while working.



It all fits together

■ DIN screwdrivers

Slotted screws		Size									
		2x0.4	2.5x0.4	3x0.5	3.5x0.6	4x0.8	5.5x1	6.5x1.2	8x1.2	10x1.6	
Metric screws											
Flat head											
	ISO 2009		1.6	2	2.5	3	3.5	4	5		
	DIN 963		1.6	2	2.5	3	3.5	4	5		
Oval head											
	ISO 2010		1.6	2	2.5	3	3.5	4	5		
	DIN 964		1.6	2	2.5	3	3.5	4	5		
Cheese head											
	ISO 1207						3.5	4	5	6	
	DIN 84		1.6	2	2.5		4	4	5	6	
Pan head											
	ISO 1580		1.6	2	2.5	3	3.5	4	5	6	
	DIN 85					3	3.5	4	5	6	
	DIN 920		2.5	3/3.5	4	5	6	8		10	
	DIN 921		1.6	2	2.5	3	3.5	4	5	6	
Set											
	ISO 4766		2.5	3.5	4	5	6	8			
	DIN 551		3								
	ISO 4735		2.5	3.5	4	5	6	8		14	
	DIN 427		3								
Self tapping screws											
Flat head											
	ISO 1482			2.2		2.9	3.5	4.2	4.8		
	DIN 7972			2.2		2.9	3.5	3.9	4.8		
Oval head											
	ISO 1483			2.2		2.9	3.5	4.2	4.8		
	DIN 7973			2.2		2.9	3.5	3.9	4.8	6.3	
Pan head											
	ISO 1481			2.2		2.9	3.5	4.2	4.8	5.5	6.3
	DIN 7971				2.9	2.9	3.5	4.2	4.8	5.5	6.3

Phillips + Pozidriv		Size					
		00	0	1	2	3	4
Metric screws							
Flat head							
	ISO 7046		1.6	2.5	3.5	6	8
	DIN 965		2	3	5		10
Oval head							
	ISO 7047		1.6	2.5	3.5	6	8
	DIN 966		2	3	5		10
Pan head							
	ISO 7045		1.6	2.5	3.5	6	8
	DIN 7985		1.8	3	5		10
Self tapping screws							
Flat head							
	ISO 7049			2.2	3.5	5.5	
	DIN 7981			2.9	4.8	6.3	
Oval head							
	ISO 7050			2.2	3.5	5.5	
	DIN 7982			2.9	4.8	6.3	
Pan head							
	ISO 7051			2.2	3.5	5.5	
	DIN 7983			2.9	4.8	6.3	
ANSI screws							
			0-1	2-4	5-10	12-16	18-...

■ How to find the correct screwdriver

	Slotted	Phillips	Pozidriv	Torx	Torx	Square	Hex	Nut
Classic Screwdriver	1412	1411						
SoftFinish Screwdriver	1422	1421	1428	1423	1427	1424		
Classic Screwdriver (Heavy Duty)	1482	1481						
SoftFinish Screwdriver (heavy Duty)	1462	1461						
Nutspinner								1450 5450 1453
SoftFinish Electric	1472	1471	1478					
Precision Screwdriver	1432	1431		1433				
Exchangeable ratchet Screwdriver	32809	32809		32809				
Two-way screwdriver	2411 1317 2431	2411 1317 2431	1317	1317 2433			1317	32810
Torque Screwdriver							3411	

 Internal Torx 														
 mm			For torx head screw											
			T5	T6	T7	T8	T9	T10	T15	T20	T25	T27	T30	T40
			1.42	1.70	1.99	2.31	2.50	2.74	3.27	3.86	4.43	4.99	5.52	6.65
Metric screws														
Cheese head 	ISO 4762	DIN 912	*	2	*	2.5		3		4	5	**	6	
Flat head 	ISO 4760	DIN 963 965	*	*	*	2.5		3	3.5	4	5	**	6	8
Oval head 	ISO 7047 2010	DIN 964 966	*	2	*	2.5		3	3.5	4	5	**	6	
Cheese head 		DIN 7984 6912	*	*	*	2.5		3		4	5	**	6	
Oval head 	ISO 7045	DIN 7985	*	2	*	2.5		3	3.5	4	5	**	6	
Flat head 	ISO 10642	DIN 7991	*	*	*	2.5		3		4	5	6	**	8
Self tapping screws														
Pan head 	ISO 7049	DIN 7981 7982	*	2.2	*	2.9		3.5	3.9	4.2 5.5	4.8	**	6.3	
Flat head 	ISO 7050	DIN 7972 7983	*	2.2	*	2.9		3.5	3.9	4.2	4.8 5.5	**	6.3	
Oval head 	ISO 7051	DIN 7973	*	2.2	*			3.5	3.9	4.2	4.8 5.5	**	6.3	8

* Screws for tungsten carbide inserts

** Special screws

Index	
ISO International standard	
DIN German standard	
M  Metric screws	Thread diameter
M  Set screw metric	Thread diameter
M  Metric nut	Thread diameter
B  Self tapping screw	Thread diameter
Symbols	
Tool drive = screwdriver socket	     
for screws with internal drive	     
Tool drive = Nutdriver socket	  
for screws with head drive	     



Bits / Sockets for S size

 TORX internal screw		T5	T6	T7	T8	T9	T10	T15	T20	T25	T27
	 S(ref.mm)	1.42	1.7	2	2.32	2.5	2.74	3.28	3.86	4.43	4.99
	Screws(ref)	M1.5	M2	M2.5	M2.5	M3	M3/M3.5	M3.5/M4	M4/M5	M4.5/M5	M4.5/M5/M6
		T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
	 S(ref.mm)	5.52	6.65	7.82	8.84	11.23	13.26	15.54	17.58	19.95	22.16
	Screws(ref)	M6/M7	M7/M8	M8/M10	M10	M12	M14	M16	M18	M20	M22

 SPLINE		M4	M5	M6	M8	M10	M12	M14	M16	M18	M20
	 S(ref.mm)	3.6	4.8	6	7.2	9.6	11.41	13.22	15.63	16.85	19.25
	Screws(ref)	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20

 RIBBLE		M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
	 S(ref.mm)	5	6	7	8	9	10	12	13	14	16
	 W(ref.mm)	1.1	1.3	1.4	1.7	1.9	2.2	2.6	3	3.1	3.5
	Screws(ref)	M6	M8		M10	M10	M12				

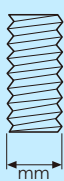
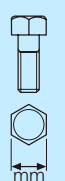
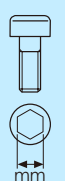
 IPR		IPR8	IPR9	IPR10	IPR15	IPR20	IPR25	IPR27	IPR30	IPR40	IPR45	IPR50	IPR55	IPR60
	 S(ref.mm)	2.14	2.33	2.58	3.07	3.63	4.16	4.70	5.22	6.27	7.32	8.32	10.54	12.45

 TORX external screw		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20
	 S(ref.mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41
	Screws(ref)	M3	M4	M5	M6	M6/M7	M8	M8/M10	M10	M12	M12	M14	M16
		E22	E24	E26	E28	E30	E32	E34	E36	E38	E40	E42	E44
	 S(ref.mm)	20.24	22.1	23.85	25.65	27.38	29.16	30.96	32.82	34.67	36.37	38.2	39.98
	Screws(ref)	M18	M18/M20										

 SQUARE		RB00	RB0	RB1	RB2	RB3	RB4
	 S(ref.mm)	1.30	1.80	2.30	2.86	3.38	4.85



Torque Data

 mm	 mm	 mm	Bolts and nuts classes (SAE threads, triangular shape, high pitch 0.15 coefficient)					
			 Torque N · m	 Torque N · m	 Torque N · m	 Torque N · m	 Torque N · m	 Torque N · m
M3	5.5	2.5	0.64	0.8	0.91	1.21	1.79	2.09
M4	7	3	1.48	1.83	2.09	2.78	4.09	4.79
M5	8	4	2.93	3.62	4.14	5.5	8.1	9.5
M6	10	5	5	6.2	7.1	9.5	14	16.4
M8	13	6	12.3	15.2	17.4	23	34	40
M10	16	8	24	30	34	46	67	79
M12	18	10	42	52	59	79	116	136
M14	21	12	67	83	94	127	187	219
M16	24	14	105	130	148	198	291	341
M18	27	14	145	179	205	283	402	471
M20	30	17	206	254	291	402	570	667
M22	34	17	283	350	400	552	783	917
M24	36	19	354	438	500	691	981	1148
M27	41	19	525	649	741	1022	1452	1700
M30	46	22	712	880	1005	1387	1969	2305
M33	50	24	968	1195	1366	1884	2676	3132
M36	55	27	1242	1534	1754	2418	3435	4020
M39	60		1614	1994	2279	3139	4463	5223
M42	65	32	1995	2464	2816	3872	5515	6453
M45	70		2497	3085	3525	4847	6903	8079
M48	75	36	3013	3722	4254	5849	8330	9748
M52	80		3882	4795	5480	7535	10731	12558
M56	85	41	4839	5978	6832	9394	13379	15656
M60	90		6013	7428	8490	11673	16625	19455
M64	95	46	7233	8935	10212	14041	19998	23402

* In order not over-tighten the fastener, please refer manufacturer's service manual, or TORQUE DATA for tightening torque information

* Torque tightening is refer to "thread dimension" of screw, which is M3~M64 size mention above table



Torque Conversion

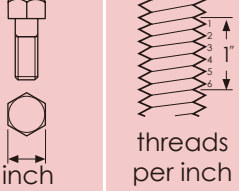
Units to be	Corresponding unit					
	in · lb	ft · lb	kgf · cm	kgf · m	cN · m	N · m
1 in · lb	1	0.083	1.152	0.0115	11.3	0.113
1 ft · lb	12	1	13.83	0.138	135.6	1.356
1 kgf · cm	0.868	0.072	1	0.01	9.807	0.098
1 kgf · m	86.8	7.233	100	1	980.7	9.807
1 cN · m	0.088	0.007	0.102	0.001	1	0.01
1 N · m	8.851	0.738	10.20	0.102	100	1

$$1 \text{ N} \cdot \text{m} = 0.738 \text{ ft} \cdot \text{lb} = 8.85 \text{ in} \cdot \text{lb} = 0.10 \text{ Kgf} \cdot \text{m} = 10.20 \text{ Kgf} \cdot \text{cm}$$



Torque Data

IMPERIAL

	Bolts and nuts classes (SAE threads, triangular shape, high pitch 0.15 coefficient)			
	 A Torque ft · lb	 5 Torque ft · lb	 8 Torque ft · lb	 9 Torque ft · lb

Coarse Thread Series

1/4	20	32 in · lb	76 in · lb	107 in · lb	126 in · lb
5/16	18	66 in · lb	157 in · lb	221 in · lb	259 in · lb
3/8	16	10	23	33	38
7/16	14	16	37	52	61
1/2	13	24	57	80	94
9/16	12	35	82	115	135
5/8	11	48	113	159	186
3/4	10	85	200	282	331
7/8	9	136	322	455	533
1	8	204	483	681	799
1-1/4	7	409	840	1363	1597
1-1/2	6	711	1462	2371	2779

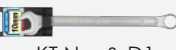
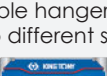
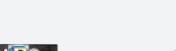
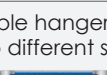
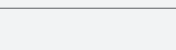
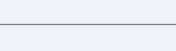
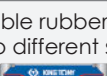
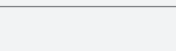
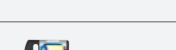
Fine Thread Series

1/4	28	37 in · lb	87 in · lb	123 in · lb	144 in · lb
5/16	24	73 in · lb	174 in · lb	245 in · lb	287 in · lb
3/8	24	11	26	37	43
7/16	20	18	41	58	68
1/2	20	27	64	90	105
9/16	18	39	91	128	151
5/8	18	54	127	180	211
3/4	16	94	223	315	369
7/8	14	150	355	502	588
1	14	229	542	765	896
1-1/4	12	453	930	1509	1768
1-1/2	12	800	1645	2668	3127

* note : Torque-Tension relationship for ASTM A307 Grade A(SAE J2), SAE J429 Grade 5, SAE J429 Grade 8 & FNL Grade 9 Bolts

* note : Torque values for 1/4" and 5/16" are in in·lb. All other torque values are in ft·lb

Hanger No. List

	Hanger No.	Suitable Size	Hanger No. (with product)
Socket Hanger for 1/4" DR. Socket	08782100  + 	1/4"DR. Socket	 KT No. & D1
Socket Hanger for 3/8" DR. Socket	08783100  + 	3/8"DR. Socket	 KT No. & D1
Socket Hanger for 1/2" DR. Socket	08784100  + 	1/2"DR. Socket	 KT No. & D1
Socket Hanger for 3/4" DR. Socket	08786100  + 	3/4"DR. Socket	 KT No. & D1
Hanger for 1/4" DR. Accessories	08782102  + 	1/4"DR. Ratchet, sliding T-handle, flexible handle	 KT No. & D1
Hanger for 3/8" DR. Accessories	08783102  + 	3/8"DR. Ratchet, sliding T-handle, flexible handle	 KT No. & D1
Hanger for 1/2" DR. Accessories	08784102  + 	1/2"DR. Ratchet, sliding T-handle, flexible handle	 KT No. & D1
Hanger for Wrench	8781103 choose suitable hangers according to different sizes  +  + 	For example, 1060 6~9mm	 KT No. & D1
Hanger for Wrench & Nut Spinner	8781100 choose suitable hangers according to different sizes  +  + 	For example, 1060 10~19mm & nut spinner	 KT No. & D1
Hanger for Wrench	8781101 choose suitable hangers according to different sizes  +  + 	For example, 1060 20~23mm	 KT No. & D1
Hanger for Wrench	8781102 choose suitable hangers according to different sizes  +  + 	For example, 1060 24~32mm	 KT No. & D1
Hanger for Speed Wrench	087837(size)KT  + 	Speed wrench, open-side speed wrench size, 8~24mm	 KT No. & D1
Hanger for Screwdriver	8785100 choose suitable rubber rings according to different sizes  +  + 	Screwdriver, hex key, spline L-wrench, star L-wrench, L-type wrench, T-type wrench	 KT No. & D1
Hanger for Power Driving	8785001  + 	Power driving 9.5mm groove	 KT No. & D1

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1006PRN.....	473	102506S1.B	388	102540T	388	1060-23	322	1067-09	324	1081-15	341
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1009PR.....	473	102506T.B	388	102540U	388	1060-25	322	1067-11	324	1081-17	341
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