

# Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

## 440H\*030 Banding Backshell, Shrink Boot



**Adapter Code H**

This accessory fits these connectors:  
MIL-DTL-38999 Series III and Series IV

### PROFILE SELECTION GUIDE

<p><b>S</b> Straight</p>	<p><b>C</b> 90°</p> <p>Low Profile Split</p>
<p><b>D</b> 90°</p> <p>Split</p>	<p><b>F</b> 45°</p> <p>Split</p>
<p><b>H</b> 45°</p> <p>Cut and Weld</p>	<p><b>J</b> 90°</p> <p>Cut and Weld</p>
<p><b>M</b> 45°</p> <p>Full Radius</p>	<p><b>N</b> 90°</p> <p>Full Radius</p>

**Spin coupling. Band-Master ATS® shield termination.** 440H\*030 banding backshell fits MIL-DTL-38999 Series III and IV connectors. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum or stainless steel, silicone O-rings.

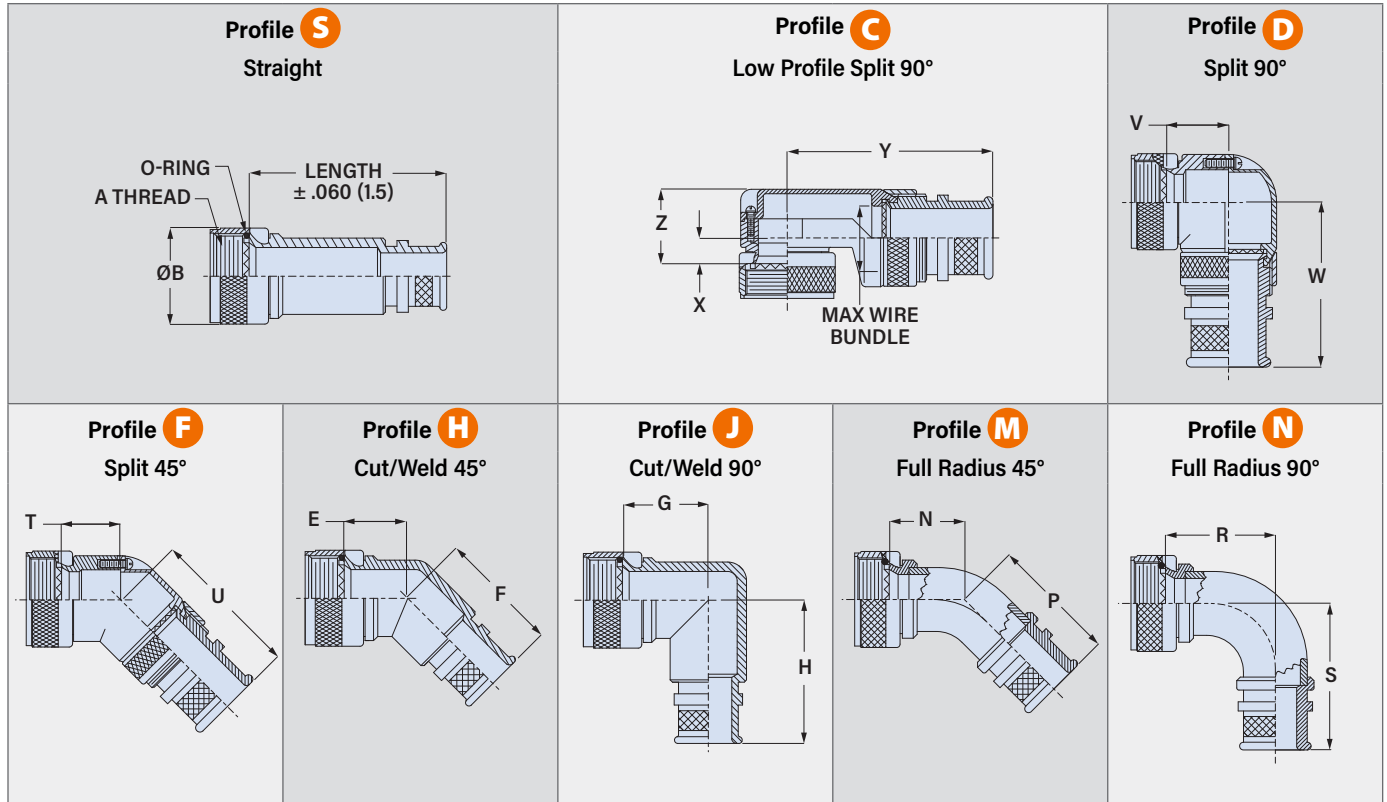
### PART NUMBER

		<b>440HS030</b>	<b>NF</b>	<b>17</b>	<b>06-</b>	<b>4</b>	<b>K</b>	<b>P</b>	<b>T</b>				
<b>Base P/N</b>	Base Part No.	Profile											
	<b>440HS030</b>	<b>S</b>	Straight										
	<b>440HC030</b>	<b>C</b>	90° Split Low Prof.										
	<b>440HD030</b>	<b>D</b>	90° Split										
	<b>440HF030</b>	<b>F</b>	45° Split										
	<b>440HH030</b>	<b>H</b>	45° Cut/Weld										
	<b>440HJ030</b>	<b>J</b>	90° Cut/Weld										
<b>Material/Finish</b>	<b>440HM030</b>	<b>M</b>	45° Full Radius										
	<b>440HN030</b>	<b>N</b>	90° Full Radius										
	<b>M</b>	Alum/ Electroless Nickel											
	<b>MT</b>	Alum/ Nickel-PTFE											
	<b>NF</b>	Alum/ Olive Drab Cadmium											
<b>Shell Size</b>	<b>ZR</b>	Alum/ Black Zinc-Nickel											
	<b>TZ</b>	Alum/ Tin-Zinc											
	<b>ZI</b>	SST/ Passivated (Profiles H, J, M, N, S only)											
	Shell Size	9	11	13	15	17	19	21	23	25			
	Size Code	<b>09</b>	<b>11</b>	<b>13</b>	<b>15</b>	<b>17</b>	<b>19</b>	<b>21</b>	<b>23</b>	<b>25</b>			
<b>Entry Size</b>	Size	Shell Inside Dia.			Shell Sizes*			Shell Inside Dia.			Shell Sizes*		
	<b>01</b>	.125 (3.2)	09-25		<b>07</b>	.875 (22.2)	19-25		<b>21</b>	1.000 (25.4)	21-25		
	<b>31</b>	.188 (4.8)	09-25		<b>37</b>	.938 (23.8)	21-25		<b>23</b>	1.062 (27.0)	23-25		
	<b>02</b>	.250 (6.4)	09-25		<b>08</b>	1.000 (25.4)	21-25		<b>38</b>	1.062 (27.0)	23-25		
	<b>32</b>	.312 (7.9)	11-25		<b>09</b>	1.125 (28.6)	23-25		<b>10</b>	1.250 (31.8)	25		
	<b>03</b>	.375 (9.5)	11-25		<b>11</b>	1.375 (34.9)	-		<b>11</b>	1.375 (34.9)	-		
	<b>33</b>	.438 (11.1)	13-25		<b>12</b>	1.500 (38.1)	-		<b>12</b>	1.500 (38.1)	-		
	<b>04</b>	.500 (12.7)	13-25		<b>13</b>	1.625 (41.3)	-		<b>13</b>	1.625 (41.3)	-		
	<b>34</b>	.562 (14.3)	15-25		<b>14</b>	1.750 (44.5)	-		<b>14</b>	1.750 (44.5)	-		
	<b>05</b>	.625 (15.9)	15-25		<b>15</b>	1.875 (47.6)	-		<b>15</b>	1.875 (47.6)	-		
	<b>35</b>	.688 (17.5)	17-25		<b>16</b>	2.000 (50.8)	-		<b>16</b>	2.000 (50.8)	-		
	<b>06</b>	.750 (19.1)	17-25		*If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. See Maximum Entry Size for details.  Profile  entry size cannot exceed shell size range listed in table.								
	<b>36</b>	.812 (20.6)	19-25										
<b>Length</b>	<b>3</b>	1.5 inches		Applies to Profile <b>S</b> only.									
	<b>4</b>	2.0 inches		If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.									
	<b>5</b>	2.5 inches											
	<b>6</b>	3.0 inches											
<b>Band</b>	Omit if not required												
	<b>K</b>	Pre-Coiled Band Included With Backshell											
<b>Polysulfide</b>	Omit if not required. Applies to Plating Codes NF, ZR, TZ only.												
	<b>P</b>	Nickel Plated Shield Termination Area with Polysulfide Barrier											
<b>Shrink Boot</b>	Omit if not required												
	<b>T</b>	Shrink Boot Included With Backshell											
<b>Ti</b>	Adhesive-lined Shrink Boot Included With Backshell												

# Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

## 440H\*030 Banding Backshell, Shrink Boot



Shell Size	A Thread	ØB Max	E Max.	F Max.	G Max.	H Max.	N Max.	P Max.	R Max.	S Max.
		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
9 (A)	M12X1.0-6H	.770 19.6	.531 13.5	.94 23.9	.639 16.2	1.110 28.2	.812 20.6	1.017 25.8	1.125 28.6	1.335 33.9
11 (B)	M15X1.0-6H	.840 21.3	.594 15.1	1.00 25.4	.664 16.9	1.140 29.0	.875 22.2	1.071 27.2	1.250 31.8	1.460 37.1
13 (C)	M18X1.0-6H	.960 24.4	.618 15.7	1.05 26.7	.688 17.5	1.160 29.5	.938 23.8	1.121 28.5	1.375 34.9	1.585 40.3
15 (D)	M22X1.0-6H	1.090 27.7	.656 16.7	1.09 27.7	.705 17.9	1.190 30.2	1.000 25.4	1.175 29.8	1.500 38.1	1.710 43.4
17 (E)	M25X1.0-6H	1.230 31.2	.688 17.5	1.15 29.2	.732 18.6	1.210 30.7	1.062 27.0	1.224 31.1	1.625 41.3	1.835 46.6
19 (F)	M28X1.0-6H	1.360 34.5	.748 19.0	1.19 30.2	.803 20.4	1.221 31.0	1.094 27.8	1.274 32.4	1.750 44.5	1.960 49.8
21 (G)	M31X1.0-6H	1.480 37.6	.773 19.6	1.25 31.8	1.031 26.2	1.281 32.5	1.156 29.4	1.328 33.7	1.875 47.6	2.085 53.0
23 (H)	M34X1.0-6H	1.600 40.6	.800 20.3	1.32 33.5	1.156 29.4	1.351 34.3	1.188 30.2	1.382 35.1	2.000 50.8	2.210 56.1
25 (J)	M37X1.0-6H	1.720 43.7	.823 20.9	1.38 35.1	1.219 31.0	1.410 35.8	1.250 31.8	1.431 36.3	2.125 54.0	2.335 59.3

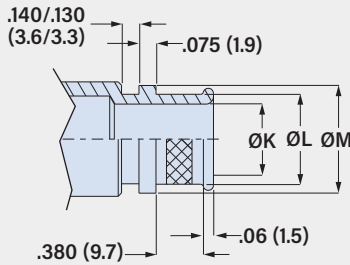
Shell Size	T Max.		U Max.		V Max.		W Max.		X Max.		Y Max.		Z Max.		Profile C Max. Wire Bundle	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
9 (A)	.44	11.2	1.635	41.5	.68	17.3	1.575	40.0	.34	8.6	1.915	48.6	.681	17.3	.250	6.4
11 (B)	.50	12.7	1.695	43.1	.75	19.1	1.635	41.5	.27	6.9	2.075	52.7	.731	18.6	.375	9.5
13 (C)	.56	14.2	1.765	44.8	.81	20.6	1.705	43.3	.27	6.9	2.075	52.7	.731	18.6	.375	9.5
15 (D)	.62	15.7	1.795	45.6	.87	22.1	1.735	44.1	.28	7.1	2.145	54.5	.831	21.1	.500	12.7
17 (E)	.68	17.3	1.895	48.1	.93	23.6	1.835	46.6	.42	10.7	2.195	55.8	.981	24.9	.625	15.9
19 (F)	.75	19.1	1.955	49.7	1.00	25.4	1.895	48.1	.64	16.3	2.225	56.5	1.181	30.0	.625	15.9
21 (G)	.82	20.8	2.015	51.2	1.06	26.9	1.955	49.7	.64	16.3	2.225	56.5	1.181	30.0	.625	15.9
23 (H)	.88	22.4	2.075	52.7	1.12	28.4	2.015	51.2	.61	15.5	2.375	60.3	1.311	33.3	.875	22.2
25 (J)	.94	23.9	2.135	54.2	1.18	30.0	2.075	52.7	.68	17.3	2.500	63.5	1.431	36.3	1.000	25.4

# Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

## 440H\*030 Banding Backshell, Shrink Boot

### ENTRY SIZE



Entry Size	Shell Sizes	øK		øL		øM		Entry Size	Shell Sizes	øK		øL		øM	
		±.015 (0.4) in	mm	±.015 (0.4) in	mm	±.015 (0.4) in	mm			±.015 (0.4) in	mm	±.015 (0.4) in	mm	±.015 (0.4) in	mm
01	09-25	.125	3.2	.250	6.4	.312	7.9	07	19-25	.875	22.2	1.000	25.4	1.062	27.0
31	09-25	.188	4.8	.312	7.9	.375	9.5	37	21-25	.938	23.8	1.062	27.0	1.125	28.6
02	09-25	.250	6.4	.375	9.5	.438	11.1	08	21-25	1.000	25.4	1.125	28.6	1.188	30.2
32	11-25	.312	7.9	.438	11.1	.500	12.7	38	23-25	1.062	27.0	1.188	30.2	1.250	31.8
03	11-25	.375	9.5	.500	12.7	.562	14.3	09	23-25	1.125	28.6	1.250	31.8	1.312	33.3
33	13-25	.438	11.1	.562	14.3	.625	15.9	10	25	1.250	31.8	1.375	34.9	1.438	36.5
04	13-25	.500	12.7	.625	15.9	.687	17.4	11	-	1.375	34.9	1.500	38.1	1.562	39.7
34	15-25	.562	14.3	.688	17.5	.750	19.1	12	-	1.500	38.1	1.625	41.3	1.688	42.9
05	15-25	.625	15.9	.750	19.1	.812	20.6	13	-	1.625	41.3	1.750	44.5	1.812	46.0
35	17-25	.688	17.5	.812	20.6	.875	22.2	14	-	1.750	44.5	1.875	47.6	1.938	49.2
06	17-25	.750	19.1	.875	22.2	.938	23.8	15	-	1.875	47.6	2.000	50.8	2.062	52.4
36	19-25	.812	20.6	.938	23.8	1.000	25.4	16	-	2.000	50.8	2.125	54.0	2.188	55.6

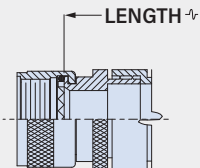
### MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a **Style 2** backshell.

⚠ Profile **G** backshells are not available with entry sizes larger than shown in table.

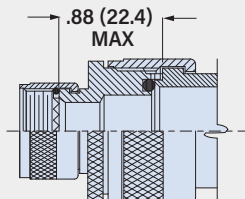
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
9(A)	02	19(F)	07
11(B)	03	21(G)	08
13(C)	04	23(H)	09
15(D)	05	25(J)	10
17(E)	06		

### Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 1/2 inches) to 4 (2 inches).

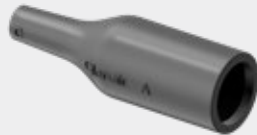
### Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inches.

### SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Available with W1 hot melt adhesive pre-coat. Operating temperature range -75 to +150 °C (no adhesive), -55 to +125 °C (with W1 adhesive).



Entry Sizes	Shrink Boot P/N	Adhesive Lined Shrink Boot P/N
01-31	770-003S111	770-003S111W1
02-32	770-003S112	770-003S112W1
03	770-001S103	770-001S103W1
33-35	770-001S104	770-001S104W1
06-37	770-001S105	770-001S105W1
08-38	770-001S106	770-001S106W1
09-12	770-001S107	770-001S107W1
13-14	770-001S108	770-001S108W1
15-16	770-001S109	770-001S109W1

### BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.



Band  
601-041

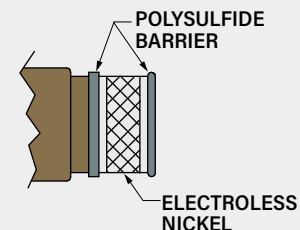


Banding Tool  
601-100

### POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ Plating codes NF, ZR and TZ only



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