

Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

440H*233 Banding Backshell, Shrink Boot, Expanded Clearance



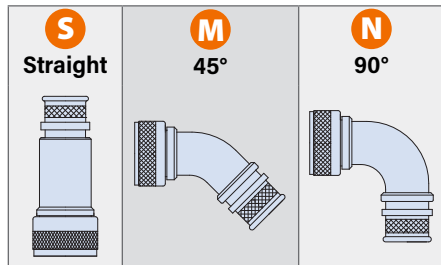
Self-Locking

Prevents playing of size 8 twinax, quadrax and octaxial contacts. Band-Master ATS® shield termination. 440H*233 banding backshell fits MIL-DTL-38999 Series III and IV connectors and Series 233 SuperNine connectors with size 8 contacts. Backshell has increased clearance for oversized contacts and associated sealing boots. 45° and 90° angular profiles have large radius elbows for minimized bending of data cables. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring. Silicone O-ring.

Adapter Code **H**

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

PROFILE SELECTION GUIDE



PART NUMBER

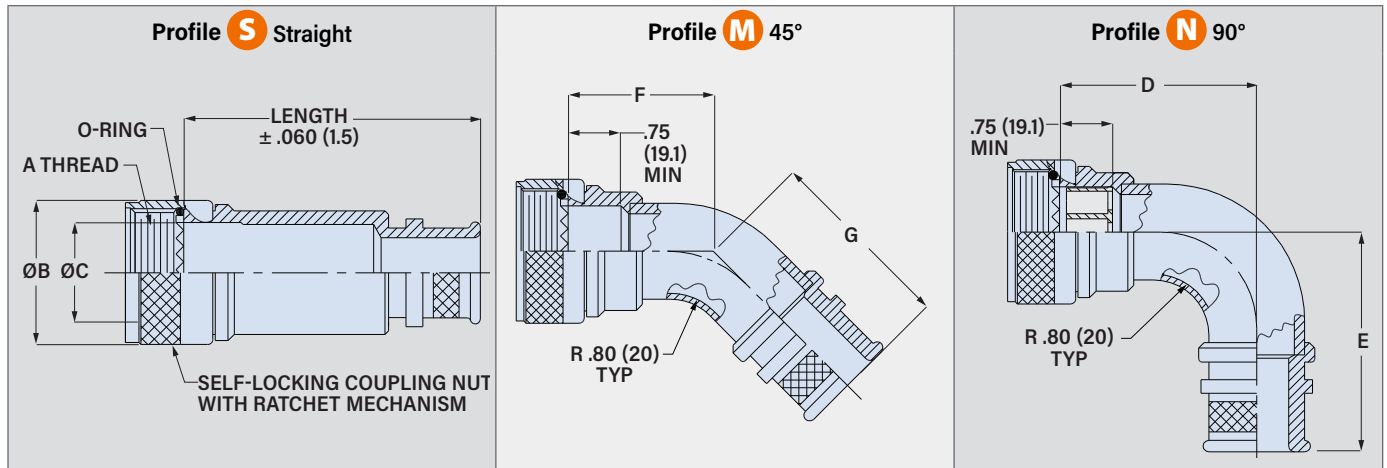
440HS233 ZI 17 06 -4 K P T

Base P/N	Base Part No. Profile																																																													
	440HS233 S Straight																																																													
	440HM233 M 45°																																																													
	440HN233 N 90°																																																													
Material/Finish	ME Alum/ Electroless Nickel																																																													
	MT Alum/ Nickel-PTFE																																																													
	NF Alum/ Olive Drab Cadmium																																																													
	ZR Alum/ Black Zinc-Nickel																																																													
	TZ Alum/ Tin-Zinc																																																													
	ZI SST/ Passivated																																																													
Shell Size	<table border="1"> <tr> <td>Shell Size</td> <td>9</td> <td>11</td> <td>13</td> <td>15</td> <td>17</td> <td>19</td> <td>21</td> <td>23</td> <td>25</td> </tr> <tr> <td></td> <td>A</td> <td>B</td> <td>C</td> <td>D</td> <td>E</td> <td>F</td> <td>G</td> <td>H</td> <td>J</td> </tr> <tr> <td>Size Code</td> <td>09</td> <td>11</td> <td>13</td> <td>15</td> <td>17</td> <td>19</td> <td>21</td> <td>23</td> <td>25</td> </tr> </table>	Shell Size	9	11	13	15	17	19	21	23	25		A	B	C	D	E	F	G	H	J	Size Code	09	11	13	15	17	19	21	23	25																															
	Shell Size	9	11	13	15	17	19	21	23	25																																																				
	A	B	C	D	E	F	G	H	J																																																					
Size Code	09	11	13	15	17	19	21	23	25																																																					
Entry Size	<table border="1"> <thead> <tr> <th rowspan="2">Size</th> <th colspan="3">Shell</th> <th rowspan="2">Size</th> <th colspan="3">Shell</th> </tr> <tr> <th>Inside Dia.</th> <th>Sizes</th> <th>Size</th> <th>Inside Dia.</th> <th>Sizes</th> </tr> </thead> <tbody> <tr> <td>04</td> <td>.250 (6.4)</td> <td>09-25</td> <td>12</td> <td>.750 (19.1)</td> <td>17-25</td> </tr> <tr> <td>05</td> <td>.312 (7.9)</td> <td>09-25</td> <td>13</td> <td>.812 (20.6)</td> <td>19-25</td> </tr> <tr> <td>06</td> <td>.375 (9.5)</td> <td>11-25</td> <td>14</td> <td>.875 (22.2)</td> <td>19-25</td> </tr> <tr> <td>07</td> <td>.438 (11.1)</td> <td>13-25</td> <td>15</td> <td>.938 (23.8)</td> <td>21-25</td> </tr> <tr> <td>08</td> <td>.500 (12.7)</td> <td>13-25</td> <td>16</td> <td>1.000 (25.4)</td> <td>21-25</td> </tr> <tr> <td>09</td> <td>.562 (14.3)</td> <td>15-25</td> <td>17</td> <td>1.062 (27.0)</td> <td>23-25</td> </tr> <tr> <td>10</td> <td>.625 (15.9)</td> <td>15-25</td> <td>18</td> <td>1.125 (28.6)</td> <td>23-25</td> </tr> <tr> <td>11</td> <td>.688 (17.5)</td> <td>17-25</td> <td>20</td> <td>1.250 (31.8)</td> <td>25</td> </tr> </tbody> </table>	Size	Shell			Size	Shell			Inside Dia.	Sizes	Size	Inside Dia.	Sizes	04	.250 (6.4)	09-25	12	.750 (19.1)	17-25	05	.312 (7.9)	09-25	13	.812 (20.6)	19-25	06	.375 (9.5)	11-25	14	.875 (22.2)	19-25	07	.438 (11.1)	13-25	15	.938 (23.8)	21-25	08	.500 (12.7)	13-25	16	1.000 (25.4)	21-25	09	.562 (14.3)	15-25	17	1.062 (27.0)	23-25	10	.625 (15.9)	15-25	18	1.125 (28.6)	23-25	11	.688 (17.5)	17-25	20	1.250 (31.8)	25
	Size		Shell				Size	Shell																																																						
		Inside Dia.	Sizes	Size	Inside Dia.	Sizes																																																								
	04	.250 (6.4)	09-25	12	.750 (19.1)	17-25																																																								
	05	.312 (7.9)	09-25	13	.812 (20.6)	19-25																																																								
	06	.375 (9.5)	11-25	14	.875 (22.2)	19-25																																																								
	07	.438 (11.1)	13-25	15	.938 (23.8)	21-25																																																								
	08	.500 (12.7)	13-25	16	1.000 (25.4)	21-25																																																								
	09	.562 (14.3)	15-25	17	1.062 (27.0)	23-25																																																								
	10	.625 (15.9)	15-25	18	1.125 (28.6)	23-25																																																								
11	.688 (17.5)	17-25	20	1.250 (31.8)	25																																																									
Length	-4 2.0 inches																																																													
	-5 2.5 inches																																																													
	-6 3.0 inches																																																													
	-7 3.5 inches																																																													
	<i>Length Code applies to Profile S only. Length in 1/2 inch increments, 2 inch minimum. Omit for 45° and 90° profiles.</i>																																																													
Band	<i>Omit if not required</i>																																																													
	K Pre-Coiled Band Included With Backshell																																																													
Polysulfide	<i>Omit if not required. Applies to Plating Codes NF, ZR, TZ only.</i>																																																													
	P Nickel Plated Shield Termination Area with Polysulfide Barrier																																																													
Shrink Boot	<i>Omit if not required</i>																																																													
	T Type 1 High Performance Shrink Boot Included With Backshell																																																													
	TI Adhesive-lined Type 1 High Performance Shrink Boot																																																													
	H Zero Halogen Shrink Boot Included With Backshell																																																													
	TI Adhesive-lined Zero Halogen Shrink Boot																																																													

Series 44 Banding Backshells

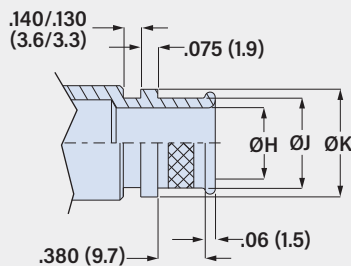
for MIL-DTL-38999 Series III and IV Connectors

440H*233 Banding Backshell, Shrink Boot, Expanded Clearance



Shell Size	A Thread	øB Max in mm	øC Min in mm	D Max. in mm	E Max. in mm	F Max. in mm	G Max. in mm	Max Entry Size
9 (A)	M12X1.0-6H	.94 23.9	.372 9.4	1.893 48.1	1.883 47.8	1.433 36.4	1.423 36.1	06
11 (B)	M15X1.0-6H	1.06 26.9	.470 11.9	1.955 49.7	1.945 49.4	1.460 37.1	1.450 36.8	07
13 (C)	M18X1.0-6H	1.17 29.7	.584 14.8	2.107 53.5	2.097 53.3	1.485 37.7	1.475 37.5	09
15 (D)	M22X1.0-6H	1.29 32.8	.709 18.0	2.170 55.1	2.160 54.9	1.541 39.1	1.531 38.9	11
17 (E)	M25X1.0-6H	1.42 36.1	.834 21.2	2.275 57.8	2.265 57.5	1.580 40.1	1.570 39.9	13
19 (F)	M28X1.0-6H	1.54 39.1	.940 23.9	2.338 59.4	2.328 59.1	1.606 40.8	1.596 40.5	15
21 (G)	M31X1.0-6H	1.67 42.4	1.065 27.1	2.399 60.9	2.389 60.7	1.588 40.3	1.578 40.1	17
23 (H)	M34X1.0-6H	2.01 51.1	1.190 30.2	2.420 61.5	2.410 61.2	1.610 40.9	1.600 40.6	18
25 (J)	M37X1.0-6H	2.12 53.8	1.315 33.5	2.525 64.1	2.515 63.9	1.641 41.7	1.631 41.4	20

ENTRY SIZE



Entry Size	Shell Size	±.015 (0.4) in mm	±.015 (0.4) in mm	±.015 (0.4) in mm
04	09-25	.250	6.4	.375
05	09-25	.312	7.9	.438
06	11-25	.375	9.5	.500
07	13-25	.438	11.1	.562
08	13-25	.500	12.7	.625
09	15-25	.562	14.3	.688
10	15-25	.625	15.9	.750
11	17-25	.688	17.5	.812
12	17-25	.750	19.1	.875
13	19-25	.812	20.6	.938
14	19-25	.875	22.2	1.000
15	21-25	.938	23.8	1.062
16	21-25	1.000	25.4	1.125
17	23-25	1.062	27.0	1.188
18	23-25	1.125	28.6	1.250
20	25	1.250	31.8	1.375

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection.

Code T, T1: Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C. Code T1 adds W1 hot melt adhesive precoat (-55 to +125 °C).

Code H, H1: Type 2 halogen-free polyolefin meets low smoke and toxicity requirements of shipboard, transit and aircraft systems. Operating temperature range -40 to +130 °C. Code H1 adds W1 hot melt adhesive precoat (-55 to +125 °C).



Entry Sizes	Shrink Boot P/N*	Zero Halogen Shrink Boot P/N*
02-32	770-003S112	770-003S212
03	770-001S103	770-001S203
33-35	770-001S104	770-001S204
06-37	770-001S105	770-001S205
08-38	770-001S106	770-001S206
09-10	770-001S107	770-001S207

* Add "W1" to the part number for adhesive lined boot

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 provides excellent static loading and corrosion resistance in electrical wire interconnect systems.



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

