

# Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

## 440H\*072 Banding Backshell, Dual Band

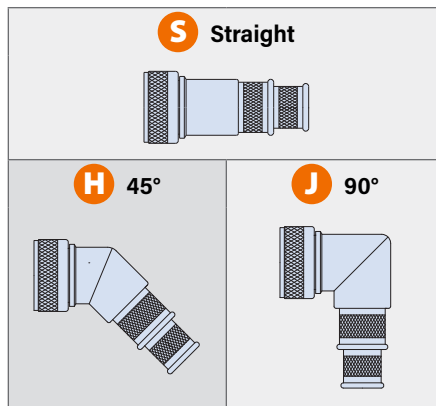


**Self-Locking**

**Adapter Code H**

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

### PROFILE SELECTION GUIDE



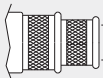
**TABLE 1: ENTRY SIZE**

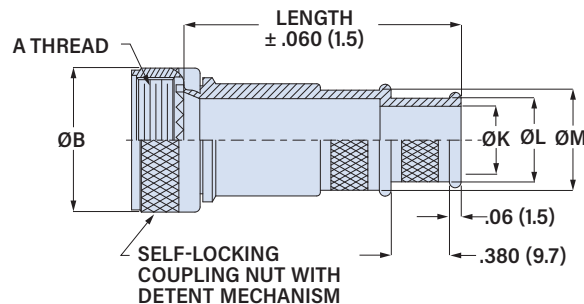
Entry Size	Shell Sizes*	±.015(0.4) in mm	±.015(0.4) in mm	±.015(0.4) in mm	±.015(0.4) in mm
02	08-24	.125	3.2	.250	6.4
03	08-24	.188	4.8	.312	7.9
04	08-24	.250	6.4	.375	9.5
05	10-24	.312	7.9	.438	11.1
06	10-24	.375	9.5	.500	12.7
07	12-24	.438	11.1	.562	14.3
08	12-24	.500	12.7	.625	15.9
09	14-24	.562	14.3	.688	17.5
10	14-24	.625	15.9	.750	19.1
11	16-24	.688	17.5	.812	20.6
12	16-24	.750	19.1	.875	22.2
13	18-24	.812	20.6	.938	23.8
14	20-24	.875	22.2	1.000	25.4
15	20-24	.938	23.8	1.062	27.0
16	22-24	1.000	25.4	1.125	28.6
17	22-24	1.062	27.0	1.188	30.2
18	24	1.125	28.6	1.250	31.8
20	-	1.250	31.8	1.375	34.9
22	-	1.375	34.9	1.500	38.1
24	-	1.500	38.1	1.625	41.3

\* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. See Maximum Entry Size for details.

**Self-Locking. Two banding platforms.** 440H\*072 banding backshell fits MIL-DTL-38999 Series III and IV connectors. 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.

### PART NUMBER

PART NUMBER		440HS072	ZI	19	06-	4	K	P		
Base P/N	Base Part No.	Profile								
	440HS072	S	Straight							
	440HH072	H	45°							
	440HJ072	J	90°							
Material/Finish	M	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	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	See Table 1									
Length	3	1.5 inches	Applies to Profile S only.							
	4	2.0 inches	If Entry Size is greater than "Maximum							
	5	2.5 inches	Entry Size" (see table), then 2 inch							
	6	3.0 inches	minimum applies.							
Band	Omit if not required									
	K	Pre-Coiled Bands Included With Backshell (qty. 2)								
Polysulfide	Omit if not required. Applies to Plating Codes NF, ZR, TZ only.									
	P	Nickel Plated Shield Termination Area with Polysulfide Barrier								

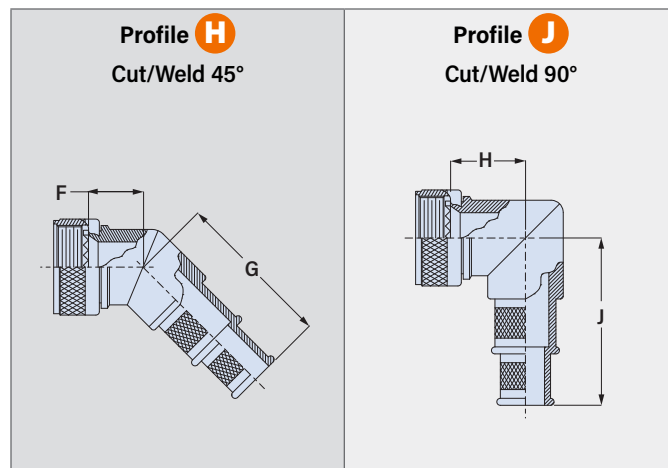


Shell Size	A Thread	ØB Max in	mm
9 (A)	M12X1.0-6H	.94	24.8
11 (B)	M15X1.0-6H	1.06	26.9
13 (C)	M18X1.0-6H	1.17	29.7
15 (D)	M22X1.0-6H	1.29	32.7
17 (E)	M25X1.0-6H	1.42	36.1
19 (F)	M28X1.0-6H	1.54	39.1
21 (G)	M31X1.0-6H	1.67	42.4
23 (H)	M34X1.0-6H	2.01	51.1
25 (J)	M37X1.0-6H	2.12	53.8

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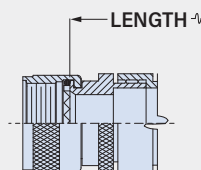
Shell Size	F Max.	G Max.	H Max.	J Max.
	in	mm	in	mm
9 (A)	.795	20.2	1.328	33.7
11 (B)	.820	20.8	1.358	34.4
13 (C)	.844	21.4	1.378	35.0
15 (D)	.861	21.9	1.408	35.8
17 (E)	.888	22.6	1.428	36.3
19 (F)	.904	23.0	1.438	36.5
21 (G)	.929	23.6	1.458	37.0
23 (H)	.956	24.3	1.498	38.0
25 (J)	.979	24.9	1.528	38.8

### 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.

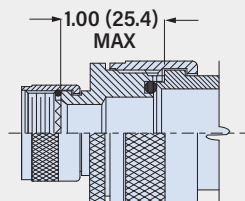
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
9(A)	<b>04</b>	19(F)	<b>14</b>
11(B)	<b>06</b>	21(G)	<b>16</b>
13(C)	<b>08</b>	23(H)	<b>18</b>
15(D)	<b>10</b>	25(J)	<b>20</b>
17(E)	<b>12</b>		

### 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 one inch.

### BAND

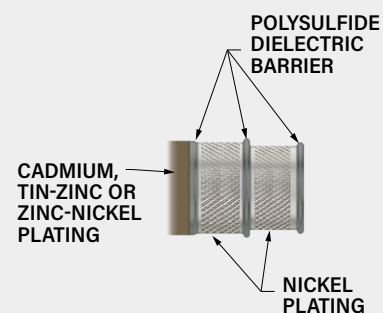
Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading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



### POLYSULFIDE

Optional selective nickel plating on banding surfaces prevents galvanic mismatch between nickel-coated braid shield and backshell plating. Polysulfide stripes provide dielectric barriers.

Plating codes NF, ZR and TZ only



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