

Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

440F*072 Banding Backshell, Dual Band



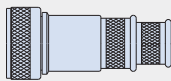
Self-Locking

Adapter Code F

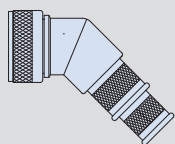
This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

PROFILE SELECTION GUIDE

S Straight



H 45°



J 90°

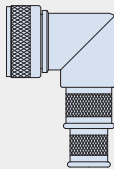


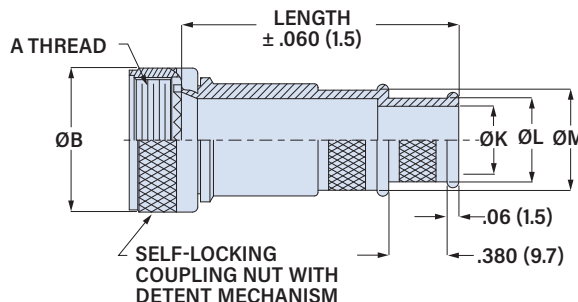
TABLE 1: ENTRY SIZE

Entry Size	Shell Sizes*	± .015 (0.4) in	± .015 (0.4) mm	± .015 (0.4) in	± .015 (0.4) mm	± .015 (0.4) in	± .015 (0.4) mm
02	08-24	.125	3.2	.250	6.4	.312	7.9
03	08-24	.188	4.8	.312	7.9	.375	9.5
04	08-24	.250	6.4	.375	9.5	.438	11.1
05	10-24	.312	7.9	.438	11.1	.500	12.7
06	10-24	.375	9.5	.500	12.7	.562	14.3
07	12-24	.438	11.1	.562	14.3	.625	15.9
08	12-24	.500	12.7	.625	15.9	.688	17.5
09	14-24	.562	14.3	.688	17.5	.750	19.1
10	14-24	.625	15.9	.750	19.1	.812	20.6
11	16-24	.688	17.5	.812	20.6	.875	22.2
12	16-24	.750	19.1	.875	22.2	.938	23.8
13	18-24	.812	20.6	.938	23.8	1.000	25.4
14	20-24	.875	22.2	1.000	25.4	1.062	27.0
15	20-24	.938	23.8	1.062	27.0	1.125	28.6
16	22-24	1.000	25.4	1.125	28.6	1.188	30.2
17	22-24	1.062	27.0	1.188	30.2	1.250	31.8
18	24	1.125	28.6	1.250	31.8	1.312	33.3
20	-	1.250	31.8	1.375	34.9	1.438	36.5
22	-	1.375	34.9	1.500	38.1	1.562	39.7
24	-	1.500	38.1	1.625	41.3	1.688	42.9

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

PART NUMBER

		440FS072	Z1	18	06	-4	K	P		
Base P/N	Base Part No.	440FS072	Profile							
	440FH072	S Straight								
	440FJ072	H 45°								
Material/Finish	M Alum/ Electroless Nickel									
	MT Alum/ Nickel-PTFE									
	NF Alum/ Olive Drab Cadmium									
	ZR Alum/ Black Zinc-Nickel									
	TZ Alum/ Tin-Zinc									
	Z1 SST/ Passivated									
Shell Size	38999 Series I	9	11	13	15	17	19	21	23	25
	38999 Series II	8	10	12	14	16	18	20	22	24
	Size Code	08	10	12	14	16	18	20	22	24
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 Entry Size" (see table), then 2 inch minimum applies.							
	5	2.5 inches								
	6	3.0 inches								
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								

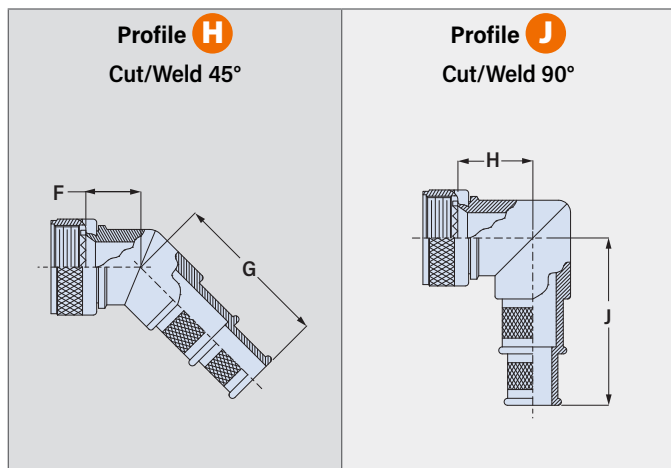


Shell Size	A Thread UNEF-2B	ØB Max in	ØB Max mm
8/9	0.4375-28	.860	21.8
10/11	0.5625-24	.970	24.6
12/13	0.6875-24	1.110	28.2
14/15	0.8125-20	1.210	30.7
16/17	0.9375-20	1.350	34.3
18/19	1.0625-18	1.460	37.1
20/21	1.1875-18	1.600	40.6
22/23	1.3125-18	1.700	43.2
24/25	1.4375-18	1.840	46.7

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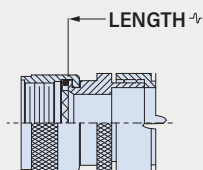
Shell Size	F Max.		G Max.		H Max.		J Max.	
	in	mm	in	mm	in	mm	in	mm
8/9	.795	20.2	1.328	33.7	.906	23.0	1.438	36.5
10/11	.820	20.8	1.358	34.5	.966	24.5	1.498	38.0
12/13	.844	21.4	1.378	35.0	1.026	26.1	1.558	39.6
14/15	.861	21.9	1.408	35.8	1.076	27.3	1.628	41.4
16/17	.888	22.6	1.428	36.3	1.136	28.9	1.688	42.9
18/19	.904	23.0	1.438	36.5	1.176	29.9	1.708	43.4
20/21	.929	23.6	1.458	37.0	1.236	31.4	1.768	44.9
22/23	.956	24.3	1.498	38.0	1.296	32.9	1.848	46.9
24/25	.979	24.9	1.528	38.8	1.356	34.4	1.918	48.7

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.

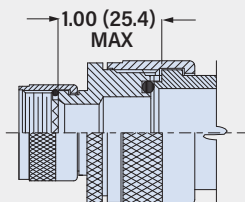
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
8/9	04	18/19	13
10/11	06	20/21	15
12/13	08	22/23	17
14/15	10	24/25	18
16/17	12		

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

