

Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

440F*069 Banding Backshell, Shrink Boot, Self-Locking



Self-Locking

Adapter Code F

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

PROFILE SELECTION GUIDE

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

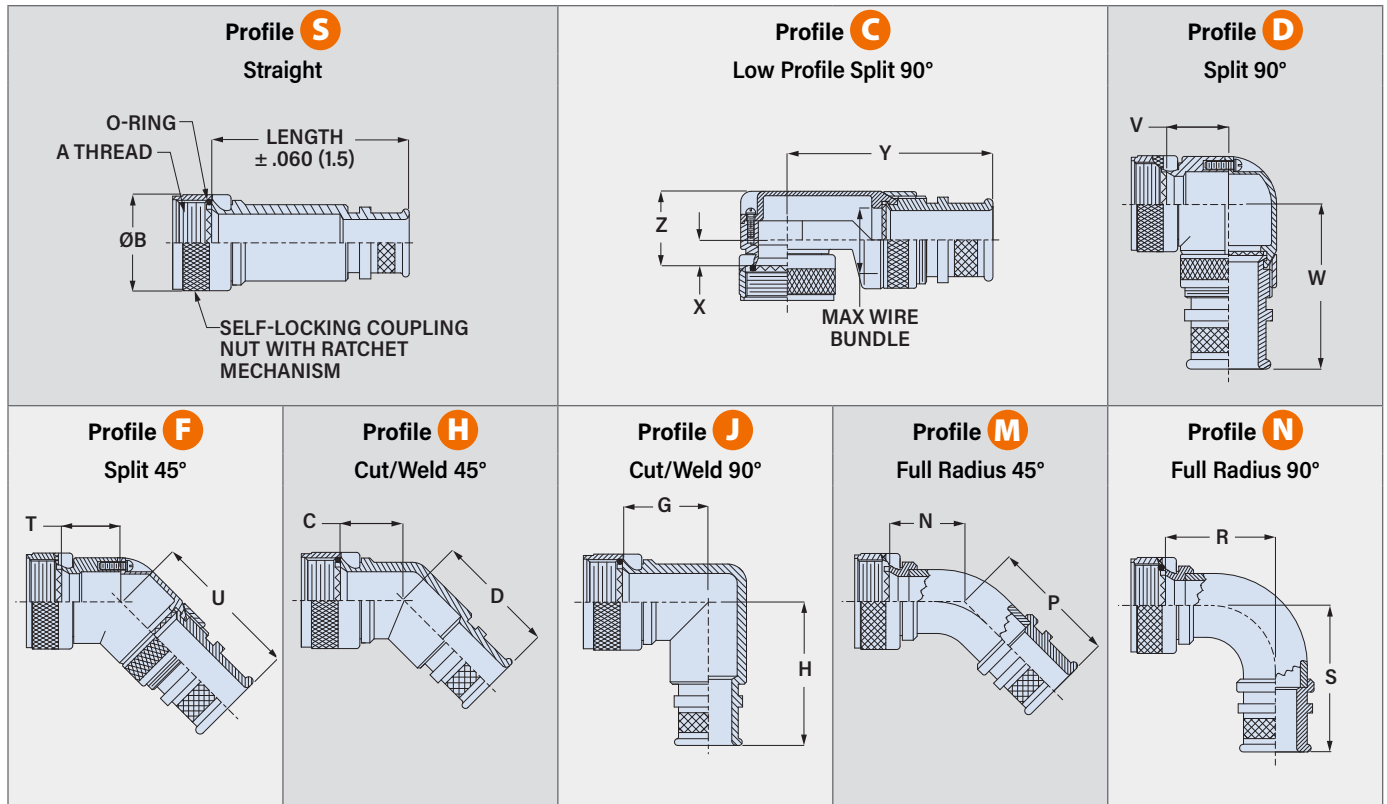
PART NUMBER

	440FS069	ZI	18	06	-4	K	P	T		
Base P/N	Base Part No. Profile									
	440FS069 S Straight									
	440FC069 C 90° Split Low Prof.									
	440FD069 D 90° Split									
	440FF069 F 45° Split									
	440FH069 H 45° Cut/Weld									
	440FJ069 J 90° Cut/Weld									
	440FM069 M 45° Full Radius									
	440FN069 N 90° Full Radius									
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 (Profiles H, J, M, N, S only)									
Shell Size		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		Shell		Shell		Shell		Shell		
		Size	Inside Dia.	Sizes*	Size	Inside Dia.	Sizes*	Size	Inside Dia.	Sizes*
		01	.125 (3.2)	08-24	07	.875 (22.2)	18-24			
		31	.188 (4.8)	08-24	37	.938 (23.8)	20-24			
		02	.250 (6.4)	08-24	08	1.000 (25.4)	20-24			
		32	.312 (7.9)	10-24	38	1.062 (27.0)	22-24			
		03	.375 (9.5)	10-24	09	1.125 (28.6)	22-24			
		33	.438 (11.1)	12-24	10	1.250 (31.8)	24			
		04	.500 (12.7)	12-24	11	1.375 (34.9)	-			
		34	.562 (14.3)	14-24	12	1.500 (38.1)	-			
		05	.625 (15.9)	14-24	13	1.625 (41.3)	-			
		35	.688 (17.5)	16-24	14	1.750 (44.5)	-			
		06	.750 (19.1)	16-24	15	1.875 (47.6)	-			
		36	.812 (20.6)	18-24	16	2.000 (50.8)	-			
	* 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.									
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 Band Included With Backshell								
Polysulfide	Omit if not required. Applies to Plating Codes NF, ZR, TZ only.									
	P	Nickel Plated Shield Termination Area with Polysulfide Barrier								
Shrink Boot	Omit if not required									
	T	Shrink Boot Included With Backshell								
	T1	Adhesive-lined Shrink Boot Included With Backshell								

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Shell Size	A Thread UNEF-2B	øB Max in	mm	C Max. in	mm	D Max. in	mm	G Max. in	mm	H Max. in	mm	N Max. in	mm	P Max. in	mm	R Max. in	mm	S Max. in	mm
8/9	0.4375-28	.860	21.8	.806	20.5	1.038	26.4	.906	23.0	1.146	29.1	.968	24.6	1.017	25.8	1.281	32.5	1.335	33.9
10/11	0.5625-24	.970	24.6	.832	21.1	1.064	27.0	.966	24.5	1.210	30.7	1.031	26.2	1.071	27.2	1.406	35.7	1.460	37.1
12/13	0.6875-24	1.110	28.2	.856	21.7	1.088	27.6	1.026	26.0	1.268	32.2	1.094	27.8	1.121	28.5	1.531	38.9	1.585	40.3
14/15	0.8125-20	1.210	30.7	.882	22.4	1.114	28.3	1.076	27.3	1.330	33.8	1.156	29.4	1.175	29.8	1.656	42.1	1.710	43.4
16/17	0.9375-20	1.350	34.3	.908	23.1	1.150	29.2	1.136	28.8	1.392	35.4	1.218	30.9	1.224	31.1	1.781	45.2	1.835	46.6
18/19	1.0625-18	1.460	37.1	.927	23.5	1.190	30.2	1.176	29.9	1.438	36.5	1.250	31.8	1.274	32.4	1.906	48.4	1.960	49.8
20/21	1.1875-18	1.600	40.6	.953	24.2	1.250	31.8	1.236	31.4	1.500	38.1	1.312	33.3	1.328	33.7	2.031	51.6	2.085	53.0
22/23	1.3125-18	1.700	43.2	.979	24.9	1.320	33.5	1.296	32.9	1.562	39.7	1.344	34.1	1.382	35.1	2.156	54.8	2.210	56.1
24/25	1.4375-18	1.840	46.7	1.004	25.5	1.380	35.1	1.356	34.4	1.625	41.3	1.406	35.7	1.431	36.3	2.281	57.9	2.335	59.3

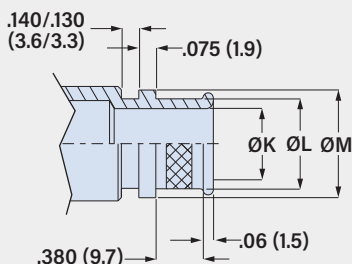
Shell Size	T Max. in	mm	U Max. in	mm	V Max. in	mm	W Max. in	mm	X Max. in	mm	Y Max. in	mm	Z Max. in	mm	Profile C Max. Wire Bundle in	mm
8/9	.596	15.1	1.635	41.5	.836	21.2	1.575	40.0	.496	12.6	1.915	48.6	.837	21.3	.250	6.4
10/11	.656	16.7	1.695	43.1	.906	23.0	1.635	41.5	.426	10.8	2.075	52.7	.887	22.5	.375	9.5
12/13	.716	18.2	1.765	44.8	.966	24.5	1.705	43.3	.426	10.8	2.075	52.7	.887	22.5	.375	9.5
14/15	.776	19.7	1.795	45.6	1.026	26.1	1.735	44.1	.436	11.1	2.145	54.5	.987	25.1	.500	12.7
16/17	.836	21.2	1.895	48.1	1.086	27.6	1.835	46.6	.576	14.6	2.195	55.8	1.137	28.9	.625	15.9
18/19	.906	23.0	1.955	49.7	1.156	29.4	1.895	48.1	.796	20.2	2.225	56.5	1.337	34.0	.625	15.9
20/21	.976	24.8	2.015	51.2	1.216	30.9	1.955	49.7	.796	20.2	2.225	56.5	1.337	34.0	.625	15.9
22/23	1.036	26.3	2.075	52.7	1.276	32.4	2.015	51.2	.696	17.7	2.375	60.3	1.337	34.0	.750	19.1
24/25	1.096	27.8	2.135	54.2	1.336	33.9	2.075	52.7	.696	17.7	2.375	60.3	1.337	34.0	.750	19.1

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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	Entry Size	Shell Sizes	±.015(0.4) in	±.015(0.4) mm	±.015(0.4) in	±.015(0.4) mm
01	08-24	.125	3.2	.250	6.4	.312	7.9	07	20-24	.875	22.2	1.000	25.4
31	08-24	.188	4.8	.312	7.9	.375	9.5	37	20-24	.938	23.8	1.062	27.0
02	08-24	.250	6.4	.375	9.5	.438	11.1	08	22-24	1.000	25.4	1.125	28.6
32	10-24	.312	7.9	.438	11.1	.500	12.7	38	22-24	1.062	27.0	1.188	30.2
03	10-24	.375	9.5	.500	12.7	.562	14.3	09	24	1.125	28.6	1.250	31.8
33	12-24	.438	11.1	.562	14.3	.625	15.9	10	-	1.250	31.8	1.375	34.9
04	12-24	.500	12.7	.625	15.9	.687	17.4	11	-	1.375	34.9	1.500	38.1
34	14-24	.562	14.3	.688	17.5	.750	19.1	12	-	1.500	38.1	1.625	41.3
05	14-24	.625	15.9	.750	19.1	.812	20.6	13	-	1.625	41.3	1.750	44.5
35	16-24	.688	17.5	.812	20.6	.875	22.2	14	-	1.750	44.5	1.875	47.6
06	16-24	.750	19.1	.875	22.2	.938	23.8	15	-	1.875	47.6	2.000	50.8
36	18-24	.812	20.6	.938	23.8	1.000	25.4	16	-	2.000	50.8	2.125	54.0

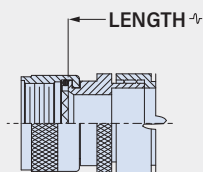
MAXIMUM ENTRY SIZE

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.

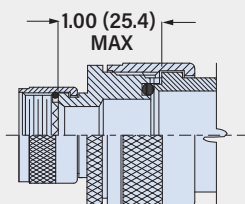
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
8/9	02	18/19	07
10/11	03	20/21	08
12/13	04	22/23	09
14/15	05	24/25	10
16/17	06		

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 one inch.

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

