

Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

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



Self-Locking

Adapter Code H

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

PROFILE SELECTION GUIDE

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

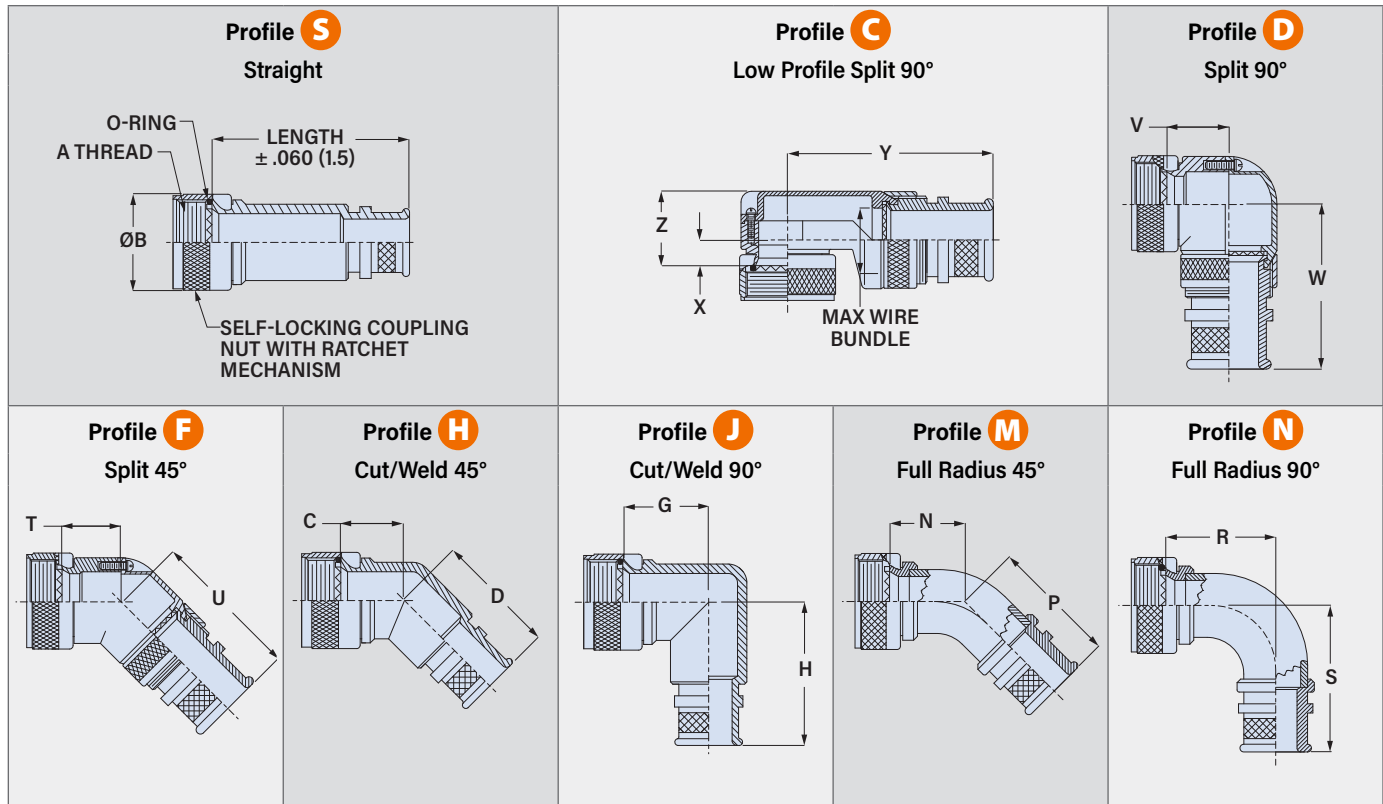
PART NUMBER

PART NUMBER		440HS069	ZI	17	06-	4	K	P	T	
Base P/N	Base Part No.	Profile								
	440HS069	S	Straight							
	440HC069	C	90° Split Low Prof.							
	440HD069	D	90° Split							
	440HF069	F	45° Split							
	440HH069	H	45° Cut/Weld							
	440HJ069	J	90° Cut/Weld							
	440HM069	M	45° Full Radius							
	440HN069	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	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	Size	Inside Dia.	Shell Sizes*	Size	Inside Dia.	Shell Sizes*				
	01	.125 (3.2)	09-25	07	.875 (22.2)	19-25				
	31	.188 (4.8)	09-25	37	.938 (23.8)	21-25				
	02	.250 (6.4)	09-25	08	1.000 (25.4)	21-25				
	32	.312 (7.9)	11-25	38	1.062 (27.0)	23-25				
	03	.375 (9.5)	11-25	09	1.125 (28.6)	23-25				
	33	.438 (11.1)	13-25	10	1.250 (31.8)	25				
	04	.500 (12.7)	13-25	11	1.375 (34.9)	-				
	34	.562 (14.3)	15-25	12	1.500 (38.1)	-				
	05	.625 (15.9)	15-25	13	1.625 (41.3)	-				
	35	.688 (17.5)	17-25	14	1.750 (44.5)	-				
	06	.750 (19.1)	17-25	15	1.875 (47.6)	-				
	36	.812 (20.6)	19-25	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 G 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							
	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 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								
	TI	Adhesive-lined Shrink Boot Included With Backshell								

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

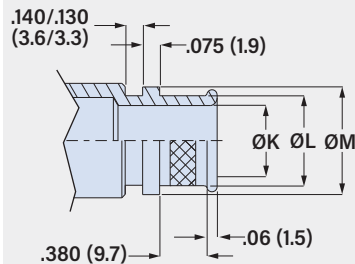
Shell Size	T Max.	U Max.	V Max.	W Max.	X Max.	Y Max.	Z Max.	Profile C Max. Wire Bundle
	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
9 (A)	.596 15.1	1.635 41.5	.836 21.2	1.575 40.0	.496 12.6	1.915 48.6	.837 21.3	.250 6.4
11 (B)	.656 16.7	1.695 43.1	.906 23.0	1.635 41.5	.426 10.8	2.075 52.7	.887 22.5	.375 9.5
13 (C)	.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
15 (D)	.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
17 (E)	.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
19 (F)	.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
21 (G)	.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
23 (H)	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
25 (J)	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	øK ± .015 (0.4) in mm		øL ± .015 (0.4) in mm		øM ± .015 (0.4) in mm	
01	09-25	.125	3.2	.250	6.4	.312	7.9
31	09-25	.188	4.8	.312	7.9	.375	9.5
02	09-25	.250	6.4	.375	9.5	.438	11.1
32	11-25	.312	7.9	.438	11.1	.500	12.7
03	11-25	.375	9.5	.500	12.7	.562	14.3
33	13-25	.438	11.1	.562	14.3	.625	15.9
04	13-25	.500	12.7	.625	15.9	.687	17.4
34	15-25	.562	14.3	.688	17.5	.750	19.1
05	15-25	.625	15.9	.750	19.1	.812	20.6
35	17-25	.688	17.5	.812	20.6	.875	22.2
06	17-25	.750	19.1	.875	22.2	.938	23.8
36	19-25	.812	20.6	.938	23.8	1.000	25.4

Entry Size	Shell Sizes	øK ± .015 (0.4) in mm		øL ± .015 (0.4) in mm		øM ± .015 (0.4) in mm	
07	19-25	.875	22.2	1.000	25.4	1.062	27.0
37	21-25	.938	23.8	1.062	27.0	1.125	28.6
08	21-25	1.000	25.4	1.125	28.6	1.188	30.2
38	23-25	1.062	27.0	1.188	30.2	1.250	31.8
09	23-25	1.125	28.6	1.250	31.8	1.312	33.3
10	25	1.250	31.8	1.375	34.9	1.438	36.5
11	-	1.375	34.9	1.500	38.1	1.562	39.7
12	-	1.500	38.1	1.625	41.3	1.688	42.9
13	-	1.625	41.3	1.750	44.5	1.812	46.0
14	-	1.750	44.5	1.875	47.6	1.938	49.2
15	-	1.875	47.6	2.000	50.8	2.062	52.4
16	-	2.000	50.8	2.125	54.0	2.188	55.6

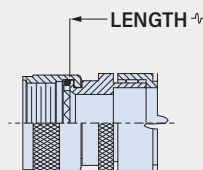
MAXIMUM ENTRY SIZE

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.

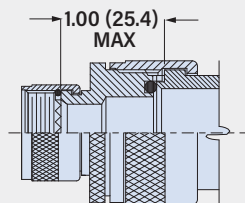
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
9(A)	02	19(F)	07
11(B)	03	21(G)	08
13(C)	04	23(H)	09
15(D)	05	25(J)	10
17(E)	06		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

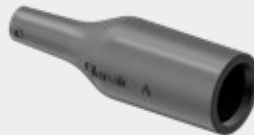
Style 2 45° and 90° Backshells



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

