

Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

440H*030 Banding Backshell, Shrink Boot



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

Spin coupling. Band-Master ATS® shield termination. 440H*030 banding backshell fits MIL-DTL-38999 Series III and IV connectors. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum or stainless steel, silicone O-rings.

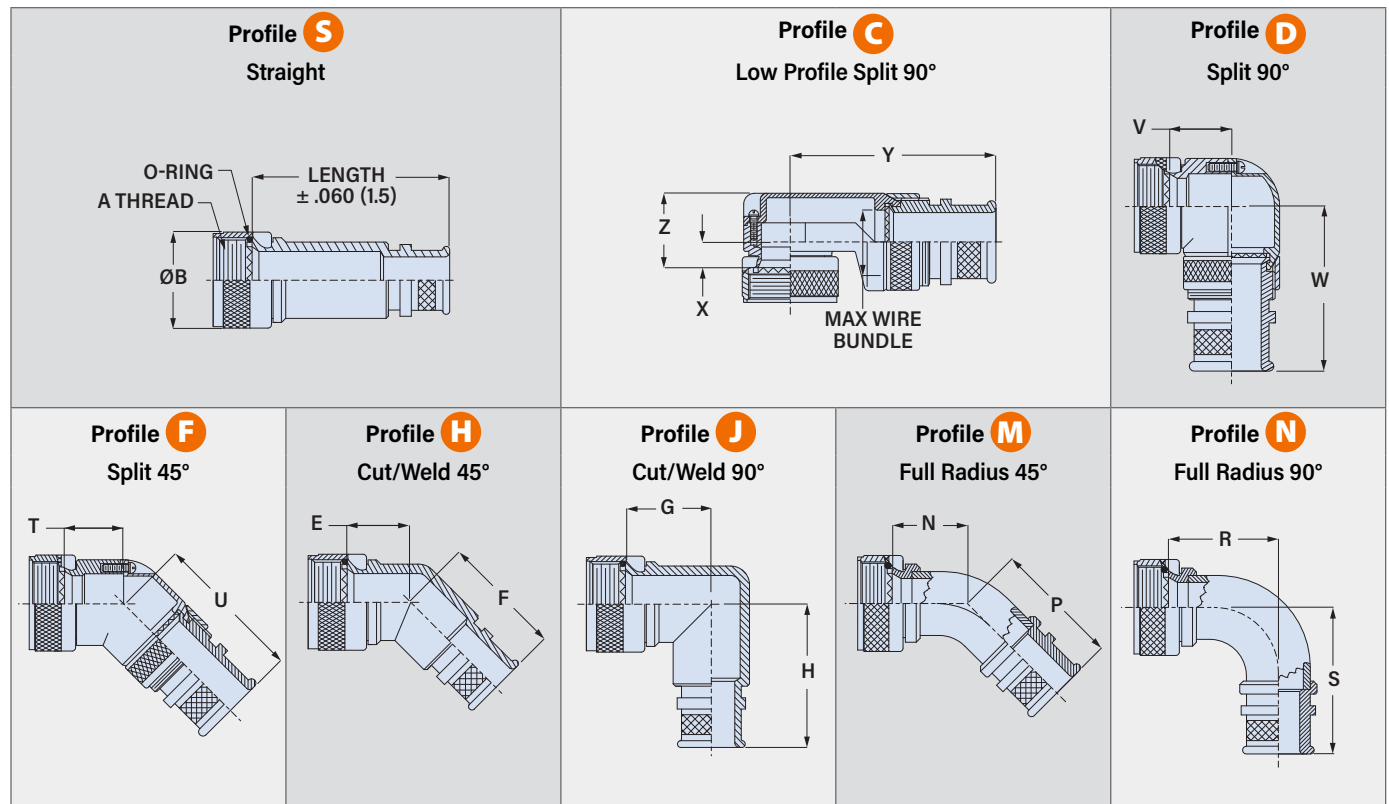
PART NUMBER

		440HS030		NF	17	06-	4	K	P	T	
Base P/N	Base Part No.	Profile									
	440HS030	S	Straight								
	440HC030	C	90° Split Low Prof.								
	440HD030	D	90° Split								
	440HF030	F	45° Split								
	440HH030	H	45° Cut/Weld								
	440HJ030	J	90° Cut/Weld								
	440HM030	M	45° Full Radius								
	440HN030	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	
	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 C 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	minimum applies.								
	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	øB Max		E Max.		F 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	.770	19.6	.531	13.5	.94	23.9	.639	16.2	1.110	28.2	.812	20.6	1.017	25.8	1.125	28.6	1.335	33.9
11 (B)	M15X1.0-6H	.840	21.3	.594	15.1	1.00	25.4	.664	16.9	1.140	29.0	.875	22.2	1.071	27.2	1.250	31.8	1.460	37.1
13 (C)	M18X1.0-6H	.960	24.4	.618	15.7	1.05	26.7	.688	17.5	1.160	29.5	.938	23.8	1.121	28.5	1.375	34.9	1.585	40.3
15 (D)	M22X1.0-6H	1.090	27.7	.656	16.7	1.09	27.7	.705	17.9	1.190	30.2	1.000	25.4	1.175	29.8	1.500	38.1	1.710	43.4
17 (E)	M25X1.0-6H	1.230	31.2	.688	17.5	1.15	29.2	.732	18.6	1.210	30.7	1.062	27.0	1.224	31.1	1.625	41.3	1.835	46.6
19 (F)	M28X1.0-6H	1.360	34.5	.748	19.0	1.19	30.2	.803	20.4	1.221	31.0	1.094	27.8	1.274	32.4	1.750	44.5	1.960	49.8
21 (G)	M31X1.0-6H	1.480	37.6	.773	19.6	1.25	31.8	1.031	26.2	1.281	32.5	1.156	29.4	1.328	33.7	1.875	47.6	2.085	53.0
23 (H)	M34X1.0-6H	1.600	40.6	.800	20.3	1.32	33.5	1.156	29.4	1.351	34.3	1.188	30.2	1.382	35.1	2.000	50.8	2.210	56.1
25 (J)	M37X1.0-6H	1.720	43.7	.823	20.9	1.38	35.1	1.219	31.0	1.410	35.8	1.250	31.8	1.431	36.3	2.125	54.0	2.335	59.3

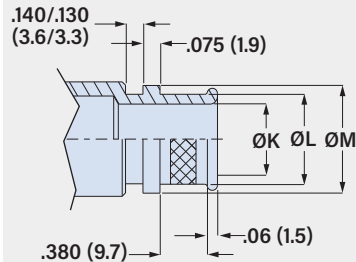
Shell Size	T Max.		U Max.		V Max.		W Max.		X Max.		Y Max.		Z Max.		Profile C	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Max. Wire Bundle	mm
9 (A)	.44	11.2	1.635	41.5	.68	17.3	1.575	40.0	.34	8.6	1.915	48.6	.681	17.3	.250	6.4
11 (B)	.50	12.7	1.695	43.1	.75	19.1	1.635	41.5	.27	6.9	2.075	52.7	.731	18.6	.375	9.5
13 (C)	.56	14.2	1.765	44.8	.81	20.6	1.705	43.3	.27	6.9	2.075	52.7	.731	18.6	.375	9.5
15 (D)	.62	15.7	1.795	45.6	.87	22.1	1.735	44.1	.28	7.1	2.145	54.5	.831	21.1	.500	12.7
17 (E)	.68	17.3	1.895	48.1	.93	23.6	1.835	46.6	.42	10.7	2.195	55.8	.981	24.9	.625	15.9
19 (F)	.75	19.1	1.955	49.7	1.00	25.4	1.895	48.1	.64	16.3	2.225	56.5	1.181	30.0	.625	15.9
21 (G)	.82	20.8	2.015	51.2	1.06	26.9	1.955	49.7	.64	16.3	2.225	56.5	1.181	30.0	.625	15.9
23 (H)	.88	22.4	2.075	52.7	1.12	28.4	2.015	51.2	.61	15.5	2.375	60.3	1.311	33.3	.875	22.2
25 (J)	.94	23.9	2.135	54.2	1.18	30.0	2.075	52.7	.68	17.3	2.500	63.5	1.431	36.3	1.000	25.4

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ENTRY SIZE



Entry Size	Shell Sizes	±.015 (0.4)		±.015 (0.4)		±.015 (0.4)	
		in	mm	in	mm	in	mm
01	09-25	.125	3.2	.250	6.4	.312	7.9
02	09-25	.188	4.8	.312	7.9	.375	9.5
03	09-25	.250	6.4	.375	9.5	.438	11.1
04	11-25	.312	7.9	.438	11.1	.500	12.7
05	11-25	.375	9.5	.500	12.7	.562	14.3
06	13-25	.438	11.1	.562	14.3	.625	15.9
07	13-25	.500	12.7	.625	15.9	.687	17.4
08	15-25	.562	14.3	.688	17.5	.750	19.1
09	15-25	.625	15.9	.750	19.1	.812	20.6
10	17-25	.688	17.5	.812	20.6	.875	22.2
11	17-25	.750	19.1	.875	22.2	.938	23.8
12	19-25	.812	20.6	.938	23.8	1.000	25.4
13	19-25	.875	22.2	1.000	25.4	1.062	27.0
14	21-25	.938	23.8	1.062	27.0	1.125	28.6
15	21-25	1.000	25.4	1.125	28.6	1.188	30.2
16	23-25	1.062	27.0	1.188	30.2	1.250	31.8
17	23-25	1.125	28.6	1.250	31.8	1.312	33.3
18	25	1.250	31.8	1.375	34.9	1.438	36.5
19	-	1.375	34.9	1.500	38.1	1.562	39.7
20	-	1.500	38.1	1.625	41.3	1.688	42.9
21	-	1.625	41.3	1.750	44.5	1.812	46.0
22	-	1.750	44.5	1.875	47.6	1.938	49.2
23	-	1.875	47.6	2.000	50.8	2.062	52.4
24	-	2.000	50.8	2.125	54.0	2.188	55.6

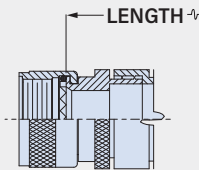
MAXIMUM ENTRY SIZE

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 **0** backshells are not available with entry sizes larger than shown in table.

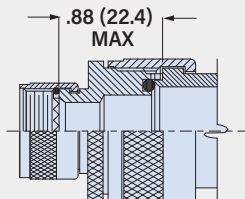
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
9(A)	02	19(F)	07
11(B)	03	21(G)	08
13(C)	04	23(H)	09
15(D)	05	25(J)	10
17(E)	06		

Style 2 Straight Backshell



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

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inches.

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

