

Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

443F*024 Banding Backshell, Shrouded Environmental



Self-Locking

Adapter Code **F**

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

PROFILE SELECTION GUIDE

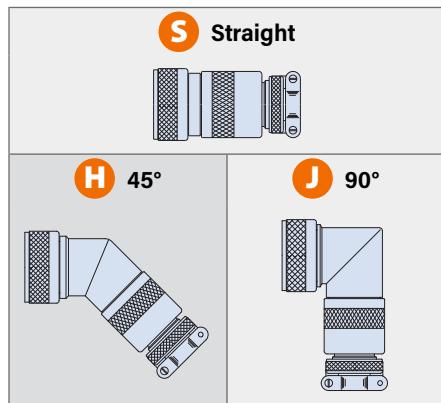


TABLE 1: ENTRY SIZE

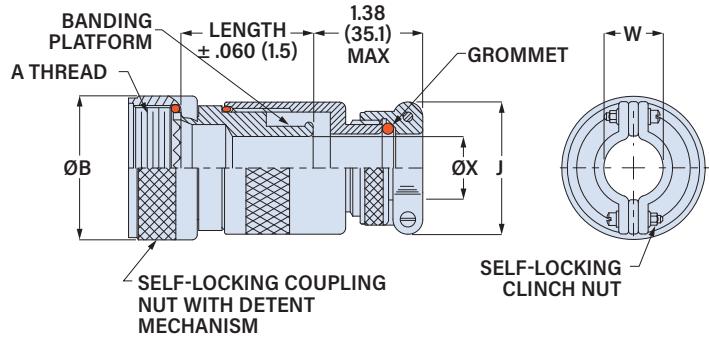
Entry Size	Cable Range		J Max.	W Closed	ø X Min	Shell Sizes*
	Min. in	Max. mm				
01	.125	3.2	.250	6.4	1.05	26.7 .264
02	.188	4.8	.375	9.5	1.20	30.5 .344
03	.312	7.9	.438	11.1	1.30	33.0 .460
04	.343	8.7	.500	12.7	1.44	36.6 .545
05	.438	11.1	.625	15.9	1.69	42.9 .698
06	.562	14.3	.750	19.1	1.77	45.0 .780
07	.688	17.5	.875	22.2	2.12	53.8 .950
08	.812	20.6	1.000	25.4	2.50	63.5 1.015
09	.938	23.8	1.125	28.6	2.62	66.5 1.187
10	1.062	27.0	1.250	31.8	2.68	68.1 1.220
11	1.125	28.6	1.375	34.9	3.00	76.2 1.500
12	1.250	31.8	1.500	38.1	3.50	88.9 1.625

* If Entry Size exceeds the shell size range in this table, the backshell will include a "Style 2" adapter. See "Maximum Entry Size" on next page.

Environmental. "Band-in-a-Can" shield termination. Saddle clamp. 443F*024 banding backshell fits MIL-DTL-38999 Series I and II connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield with band strap (not supplied). Environmentally sealed with O-rings and cable grommet. Aluminum or stainless steel. Saddle clamp hardware is passivated SST. Silicone O-rings and grommet.

PART NUMBER

	443FS024	NF	18	06-	3	S	
Base P/N	Base Part No.	Profile					
	443FS024	S	Straight				
	443FH024	H	45°				
	443FJ024	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					
	ZM	SST/ Electroless Nickel					
Shell Size	Shell Size						
	38999 Series I	9	11	13	15	17	
	38999 Series II	8	10	12	14	16	
	Size Code	08	10	12	14	16	
		18	20	22	24	24	
Entry Size	See Table 1						
Length	2	1.0 inch	Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size", then 1.5 inch minimum applies.				
	3	1.5 inches					
	4	2.0 inches					
	6	3.0 inches					
Self-Locking	S	Self-Locking Coupling Nut					



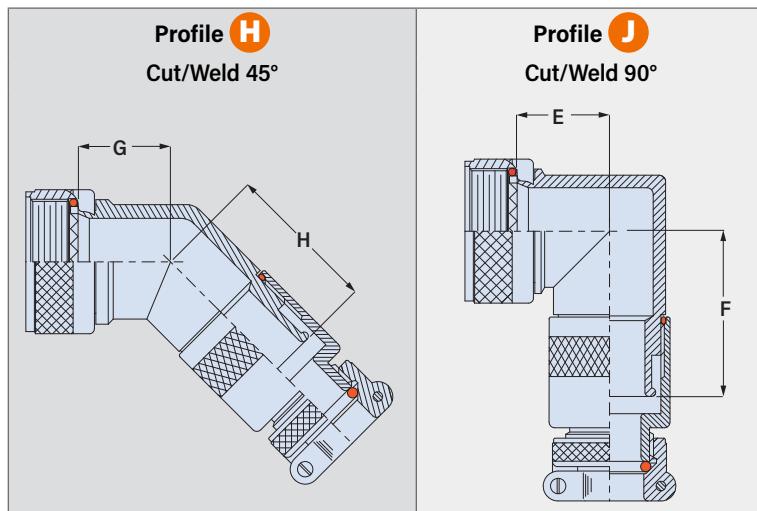
Shell Size	A Thread UNEF-2B	ØB Max in mm	Max Entry Size*
8/9	0.4375-28	.860 21.8	01
10/11	0.5625-24	.970 24.6	02
12/13	0.6875-24	1.110 28.2	04
14/15	0.8125-20	1.210 30.7	05
16/17	0.9375-20	1.350 34.3	06
18/19	1.0625-18	1.460 37.1	07
20/21	1.1875-18	1.600 40.6	08
22/23	1.3125-18	1.700 43.2	09
24/25	1.4375-18	1.840 46.7	09

* If Entry Size exceeds the Max Entry Size in this table, the backshell will include a "Style 2" adapter. See "Maximum Entry Size" on next page.

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Shell Size	E Max. in mm	F Max. in mm	G Max. in mm	H Max. in mm
8/9	.75	19.1	1.50	38.1
10/11	.81	20.6	1.55	39.4
12/13	.87	22.1	1.61	40.9
14/15	.92	23.4	1.68	42.7
16/17	.98	24.9	1.74	44.2
18/19	1.02	25.9	1.76	44.7
20/21	1.08	27.4	1.82	46.2
22/23	1.14	29.0	1.90	48.3
24/25	1.20	30.5	1.97	50.0
			.639	16.2
			.664	16.9
			.688	17.5
			.705	17.9
			.732	18.6
			.748	19.0
			.773	19.6
			.800	20.3
			.823	20.9
			.841	21.5
			.864	22.1
			.888	22.7
			.912	23.3
			.936	23.9
			.960	24.5
			.984	25.1
			.1.008	25.7
			.1.032	26.3
			.1.056	26.9
			.1.080	27.5
			.1.104	28.1
			.1.128	28.7
			.1.152	29.3
			.1.176	29.9
			.1.200	30.5

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.

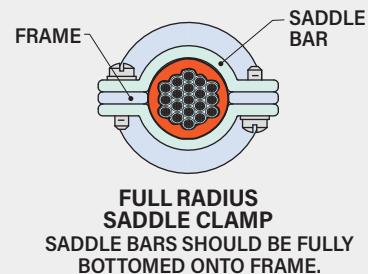
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
8/9	01	18/19	07
10/11	02	20/21	08
12/13	04	22/23	09
14/15	05	24/25	09
16/17	06		

BAND

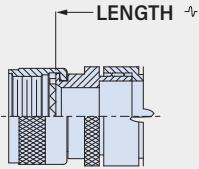
SST band strap (not included, ordered separately) provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

APPLICATION NOTE

This backshell has a **full radius** saddle clamp. This type of strain relief is designed to be fully closed. Saddle bars should be bottomed onto frame. Build up cable diameter with tape or sleeving to meet the diameter of the fully closed clamp.

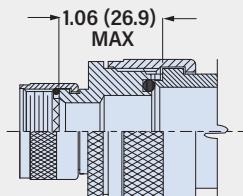


Style 2 Straight Backshell

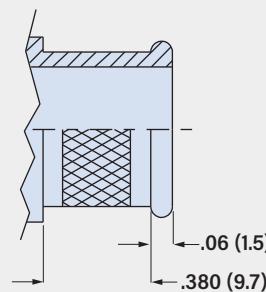


For Style 2 straight backshells, the minimum length code increases from 2 (1 inch) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.06 inches.

Band
601-041Banding Tool
601-100