

Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

447H*531 Banding Backshell, Shrink Boot, Spanner Nut

Self-Locking



Adapter Code **H**

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

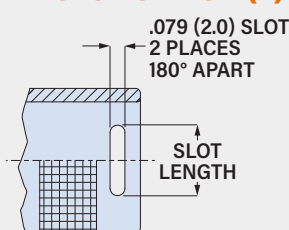
TABLE 1: ENTRY SIZE

Entry Size	ϕE $\pm .015$ (0.4) in mm		ϕF $\pm .015$ (0.4) in mm		ϕG $\pm .015$ (0.4) in mm		Shell Sizes
03	.185	4.7	.303	7.7	.480	12.2	09-15
04	.252	6.4	.370	9.4	.551	14.0	09-17
05	.311	7.9	.433	11.0	.610	15.5	09-21
06	.374	9.5	.496	12.6	.673	17.1	11-23
07	.437	11.1	.555	14.1	.736	18.7	11-25
08	.500	12.7	.618	15.7	.800	20.3	13-25
10	.626	15.9	.744	18.9	.925	23.5	15-25
12	.752	19.1	.866	22.0	1.051	26.7	17-25
14	.874	22.2	.992	25.2	1.173	29.8	19-25
16	1.004	25.5	1.118	28.4	1.300	33.0	21-25
18	1.126	28.6	1.240	31.5	1.425	36.2	23-25
20	1.252	31.8	1.366	34.7	1.551	39.4	25

TABLE 2: LENGTH CODE

Length Code	J in mm		K Max in mm		L Max in mm	
A	.291	7.4	1.035	26.3	1.362	34.6
B	.606	15.4	1.350	34.3	1.677	42.6
C	.803	20.4	1.547	39.3	1.874	47.6
D	1.197	30.4	1.941	49.3	2.768	57.6

FIGURE 1: SLOT OPTION (L)



Entry Size	Slot Length in mm
03, 04, 05	.157 4.0
06, 07, 08	.276 7.0
10, 12	.433 11.0
14, 16	.472 12.0
18, 20	.551 14.0

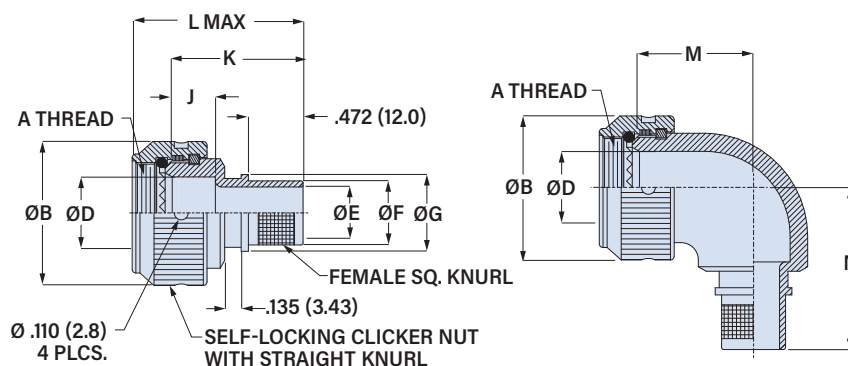
Self-locking. Impact resistant coupling nut. 447H*531 banding backshell fits MIL-DTL-38999 Series III/IV connectors. Impact resistant coupling nut has 2.8 mm spanner wrench holes. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Attach shielding and overbraid sleeving to backshell with band strap (not supplied). Shrink boot (not supplied) adds strain relief and environmental protection. Aluminum or stainless steel with thermoplastic anti-decoupling spring and SST retainer ring.

PART NUMBER

PART NUMBER		447HS531		Z1	19	10	B	L	-157	
Base P/N	Base Part No.	Profile								
	447HS531	S	Straight							
	447HJ531	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								
	ZI	SST/ Passivated								
Shell Size	Shell	9	11	13	15	17	19	21	23	25
	Size	A	B	C	D	E	F	G	H	J
	Size Code	09	11	13	15	17	19	21	23	25
Entry Size	See Table 1									
Length	Applies to Profile S only. See Table 2. A B C D									
Slot	Omit if not required. See Figure 1. L Slots for Individual Shields									
Teflon Coating	Omit if not required. -157 Teflon Coating on Inside Surface									

S Straight

J 90°



Shell Size	A Thread	ϕB Max in mm	ϕD Min in mm	M Max in mm	N Max in mm	Max Entry Size
9 (A)	M12X1.0-6H	.858 21.8	.264 6.7	.553 14.1	1.222 31.1	05
11 (B)	M15X1.0-6H	.984 25.0	.380 9.7	.622 15.8	1.347 34.2	07
13 (C)	M18X1.0-6H	1.157 29.4	.494 12.6	.683 17.4	1.494 38.0	08
15 (D)	M22X1.0-6H	1.280 32.5	.620 15.6	.744 18.9	1.561 40.0	10
17 (E)	M25X1.0-6H	1.406 35.7	.746 19.0	.799 20.3	1.624 41.3	12
19 (F)	M28X1.0-6H	1.516 38.5	.833 21.1	.846 21.5	1.722 43.8	14
21 (G)	M31X1.0-6H	1.642 41.7	.959 24.4	1.047 26.6	1.847 46.9	16
23 (H)	M34X1.0-6H	1.768 44.9	1.081 27.5	.969 24.6	1.972 50.1	18
25 (J)	M37X1.0-6H	1.890 48.0	1.207 30.7	1.047 26.6	2.098 53.3	20

Mouser Electronics

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