



**EMI shielding. Band-Master ATS® shield termination. Self-locking. Environmental.** Spin coupling EMI/RFI backshell with anti-decoupling ratchet prevents loosening under vibration. Fits Series 806 connectors. Terminate cable shield to backshell with **Band-Master ATS®** stainless steel band, supplied with backshell. Cable clamp grommet provides environmental seal to cable jacket. Straight, 45° or 90° cable exit. Aluminum or stainless steel.

**Features**

- EMI/RFI
- Self-locking spin coupling
- Supplied with MicroBand shield termination band
- Environmental

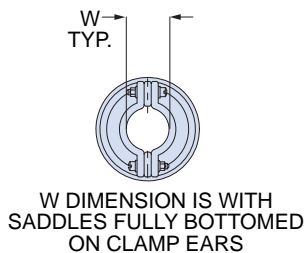
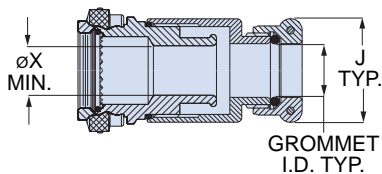
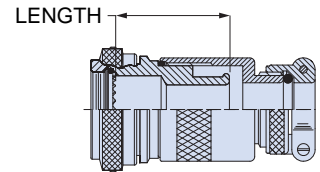
**Specifications**

- Operating temperature:  
codes ME, MT and Z1: -65°C to +200°C  
codes ZR, NF, NFP: -65°C to +175°C
- Shell conductivity:  
aluminum versions: 2.5 milliohms max.  
Stainless steel: 5 milliohms max.
- Salt spray (corrosion)  
Code ME, NFP: 96 hours  
Code NF, ZR, MT, Z1: 1000 hours
- Vibration: SAE AS85049 Category 3B
- Shock: SAE AS85049 Category 3B

**Construction**

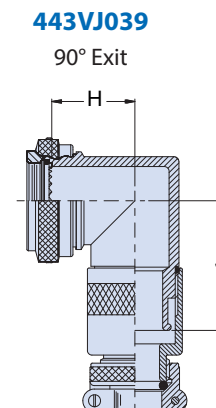
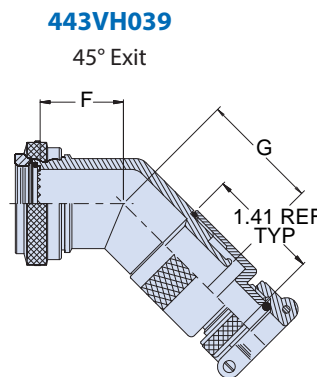
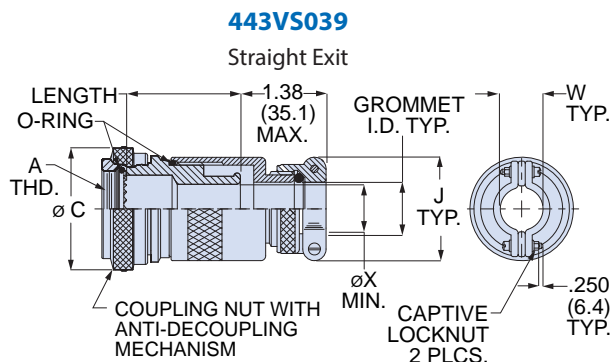
- Coupling nut, adapter, saddle bars, cable clamp: aluminum alloy or 300 series stainless steel. See material/finish options in How to Order table for options.
- O-rings, grommet: silicone
- Hardware: 300 series stainless steel
- Anti-decoupling device: corrosion-resistant material
- Band strap: stainless steel, passivated

How To Order					
SAMPLE PART NUMBER	443VS039	MT	08	01	-2
<b>Product</b>	443VS039 = Straight Backshell 443VH039 = 45° Backshell 443VJ039 = 90° Backshell				
<b>Material/ Finish</b>	ME = Aluminum, Electroless Nickel MT = Aluminum, Ni/PTFE ZR = Aluminum, Black Zinc-Nickel NF = Aluminum, Olive Drab Cadmium NFP = Aluminum, Olive Drab Cadmium, nickel-plated shield termination area, polysulfide barrier Z1 = Stainless Steel, Passivated				
<b>Shell Size</b>	08 09 10 11 12 14 16 18 20 22 24				
<b>Cable Entry Code</b>	See Table 1 for cable entry sizes				
<b>Adapter Length</b>	Omit for 45° and 90° versions. Applicable to 443VS039 only. Length in ½ inch increments. 2 = 1 inch (min. for Style 1) 3 = 1½ inches 4 = 2 inches (min. for Style 2) 5 = 2½ inches 6 = 3 inches				



**Table 1 Cable Entry**

Cable Entry Code	Grommet Diameter		J Max.		W Closed		ø X Min.			
	Min. In.	Max. mm.	Min. In.	Max. mm.	Min. In.	Max. mm.	Min. In.	Max. mm.		
01	.125	3.18	.250	6.35	1.05	26.7	.264	6.71	.25	6.4
02	.188	4.78	.375	9.53	1.20	30.5	.344	8.74	.37	9.4
03	.312	7.92	.438	11.13	1.30	33.0	.460	11.68	.43	10.9
04	.343	8.71	.500	12.70	1.44	36.6	.545	13.84	.50	12.7
05	.438	11.13	.625	15.88	1.69	42.9	.698	17.73	.62	15.7
06	.562	14.27	.750	19.05	1.77	45.0	.780	19.81	.75	19.1
07	.688	17.48	.875	22.23	2.12	53.8	.950	24.13	.87	22.1
08	.812	20.62	1.000	25.40	2.50	63.5	1.015	25.78	1.00	25.4
09	.938	23.83	1.125	28.58	2.62	66.5	1.187	30.15	1.12	28.4
10	1.062	26.97	1.250	31.75	2.68	68.1	1.220	30.99	1.25	31.8
11	1.125	28.58	1.375	34.93	3.00	76.2	1.500	38.10	1.38	35.1
12	1.250	31.75	1.500	38.10	3.50	88.9	1.625	41.28	1.50	38.1

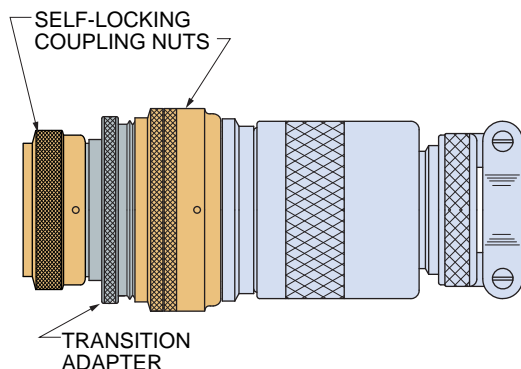


Shell Size	A ISO Metric Thread	øC Max.		F Max. <sup>(1)</sup>		G Max.		H Max. <sup>(1)</sup>		J Max.		Max. Cable Entry Code <sup>(1)</sup>
		In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	
08	M10 x 1.0-6H	.692	17.58	.630	16.00	1.030	26.16	.880	22.35	1.180	29.97	01
09	M12 x 1.0-6H	.786	19.96	.640	16.26	1.030	26.16	.880	22.35	1.210	30.73	01
10	M14 x 1.0-6H	.883	22.43	.670	17.02	1.060	26.92	.930	23.62	1.260	32.00	02
11	M15 x 1.0-6H	.911	23.14	.680	17.27	1.090	27.69	.980	24.89	1.290	32.77	03
12	M17 x 1.0-6H	1.002	25.45	.700	17.78	1.100	27.94	.990	25.15	1.320	33.53	04
14	M19 x 1.0-6H	1.066	27.08	.720	18.29	1.100	27.94	.990	25.15	1.350	34.29	04
16	M22 x 1.0-6H	1.196	30.38	.760	19.30	1.130	28.70	1.050	26.67	1.410	35.81	05
18	M25 x 1.0-6H	1.311	33.30	.790	20.07	1.170	29.72	1.120	28.45	1.470	37.34	06
20	M28 x 1.0-6H	1.430	36.32	.830	21.08	1.200	30.48	1.180	29.97	1.530	38.86	07
22	M31 x 1.0-6H	1.548	39.32	.860	21.84	1.240	31.50	1.240	31.50	1.590	40.39	08
24	M34 x 1.0-6H	1.696	43.08	.910	23.11	1.290	32.77	1.300	33.02	1.670	42.42	09

(1) If the maximum cable entry code is exceeded, the backshell will be a "Style 2" with a transition adapter as shown below. The F and H dimensions will be increased by 0.9 inch (22.9 mm.) maximum.

### Style 2 Adapters for Large Diameter Cables

If the cable entry diameter exceeds the maximum cable entry code shown in the above table, the adapter will be supplied with a **transition adapter**. On straight exit backshells, the transition adapter does not affect the length. On 45° and 90° versions the transition adapter adds 0.9 inch (22.9 mm) maximum to the backshell length.



### Application Note: Selective Plated Cadmium with Polysulfide Barrier

Olive drab (OD) cadmium (Cd) over electroless nickel (EN) is available in two versions. The standard version, designated as Glenair code **NF**, is a uniform Cd/EN finish over the entire part. A second version, designated as Glenair code **NFP**, is selectively plated with electroless nickel in the knurled shield attachment area. A polysulfide barrier separates the electroless nickel area from the cadmium plated area. This selectively plated version prevents galvanic corrosion that could potentially occur if nickel-coated shield braid is attached to a cadmium plated surface.

