390V*091 EMI+Environmental Backshell, Self-Locking

Shielded. Environmental. Self-locking. Compatible with Glenair's Series 806 connectors with metric accessory thread. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Two ground rings for terminating individual and overall braid shields. Environmentally protected with O-rings and cable grommet. Two strain relief options: saddle clamp or low profile nut. When the strain relief is tightened onto the adapter, the grommet compresses onto cable jacket to create a watertight cable seal. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-rings and grommet.
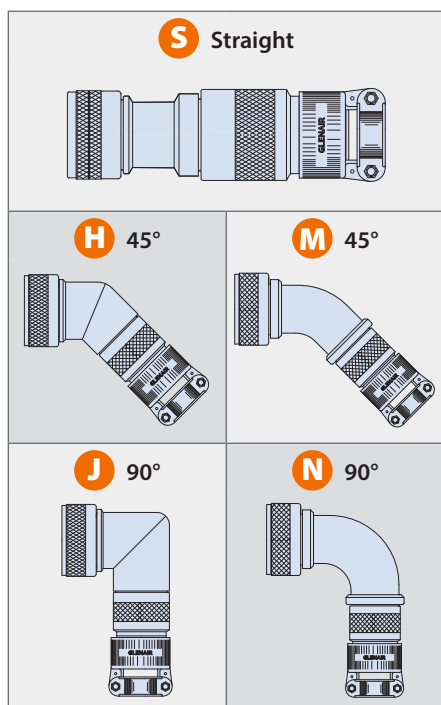
Self-Locking

Adapter Code	V

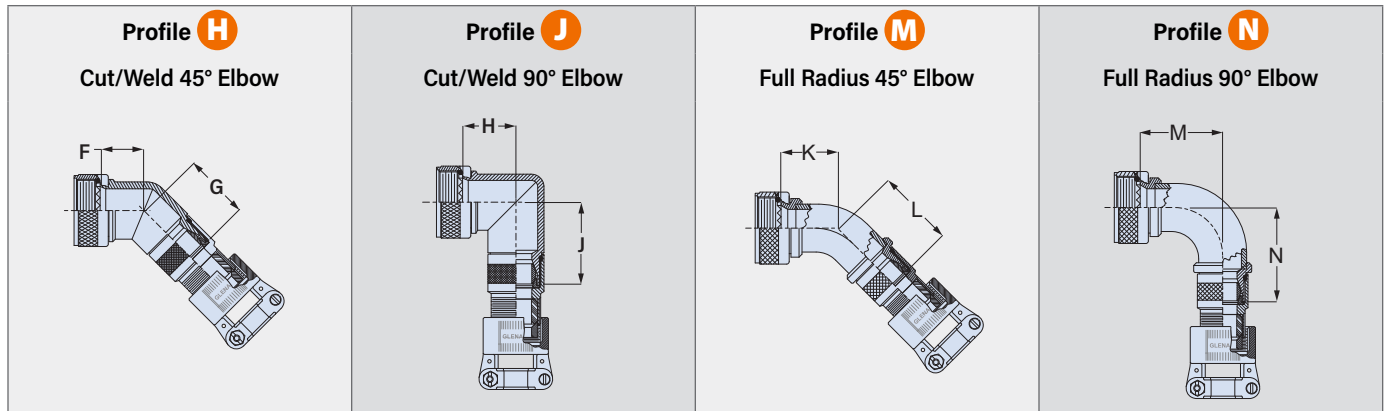This accessory fits Glenair Series 806 MilAero Connectors

PROFILE SELECTION GUIDE

S Straight

H 45°

M 45°

J 90°

N 90°

PART NUMBER

390VS091 MT 16 10 H 3

	Base Part No.	Profile	
Base P/N	390VS091	**S**	Straight
	390VH091	**H**	45° Cut/Weld
	390VJ091	**J**	90° Cut/Weld
	390VM091	**M**	45° Full Radius
	390VN091	**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
	Z1	SST/ Passivated

Shell Size	08 09 10 11 12 14 16 18 20 22 24

Entry Size	Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
	03	.250 (7.9)	08-24	16	.937 (23.8)	20-24
	04	.312 (7.9)	09-24	20	1.250 (31.8)	-
	06	.437 (11.1)	11-24	24	1.375 (34.9)	-
	08	.562 (14.3)	14-24	28	1.625 (41.3)	-
	10	.625 (15.9)	16-24	32	1.875 (47.6)	-
	12	.750 (19.1)	18-24			

* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. See Maximum Entry Size for details.

Strain Relief	**H**	Saddle Clamp
	D	Nut

Saddle Clamp   Nut

Length	**3**	1.5 inches
	4	2.0 inches
	6	3.0 inches
	8	4.0 inches

Applies to Profile **S** *only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.*

Shell Size	A Thread ISO Metric	øB Max. in	øB Max. mm	Max. Entry Size [1]
08	M10 x 1.0-6H	.692	17.58	03
09	M12 x 1.0-6H	.786	19.96	04
10	M14 x 1.0-6H	.883	22.43	04
11	M15 x 1.0-6H	.911	23.14	06
12	M17 x 1.0-6H	1.002	25.45	06
14	M19 x 1.0-6H	1.066	27.08	08
16	M22 x 1.0-6H	1.196	30.38	10
18	M25 x 1.0-6H	1.311	33.30	12
20	M28 x 1.0-6H	1.430	36.32	16
22	M31 x 1.0-6H	1.548	39.32	16
24	M34 x 1.0-6H	1.696	43.08	16

(1) If the Entry Size exceeds "Max. Entry Size", a front adapter will be included. See "Maximum Entry Size" on next page.

DETENT SPRING — A THREAD — LENGTH ± .06 (0.9) — 1.281 (32.5) REF — ØB — SELF-LOCKING COUPLING NUT — O-RING — GROUND RINGS — GROMMET — FOLLOWER

Profile **H**	Profile **J**	Profile **M**	Profile **N**
Cut/Weld 45° Elbow	Cut/Weld 90° Elbow	Full Radius 45° Elbow	Full Radius 90° Elbow

Shell Size	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm
08	.62	15.8	.90	22.9	.79	20.1	1.08	27.4	.79	20.1	1.07	27.2	.94	23.9	1.23	31.2
09	.64	16.3	.93	23.6	.84	21.3	1.13	28.7	.79	20.1	1.07	27.2	.94	23.9	1.23	31.2
10	.67	17.0	.93	23.6	.84	21.3	1.18	30.0	.79	20.1	1.13	28.7	.97	24.6	1.32	33.5
11	.67	17.0	.97	24.6	.90	22.9	1.19	30.2	.79	20.1	1.13	28.7	.97	24.6	1.32	33.5
12	.70	17.8	.97	24.6	.90	22.9	1.24	31.5	.83	21.1	1.21	30.7	1.04	26.4	1.42	36.1
14	.72	18.3	1.00	25.4	.96	24.4	1.27	32.3	.83	21.1	1.21	30.7	1.04	26.4	1.42	36.1
16	.76	19.3	1.05	26.7	1.02	25.9	1.33	33.8	.84	21.3	1.28	32.5	1.08	27.4	1.52	38.6
18	.79	20.1	1.11	28.2	1.12	28.5	1.39	35.3	.89	22.6	1.36	34.5	1.14	29.0	1.62	41.2
20	.82	20.8	1.17	29.7	1.24	31.5	1.49	37.9	.92	23.4	1.43	36.3	1.21	30.7	1.71	43.4
22	.86	21.8	1.21	30.7	1.24	31.5	1.56	39.6	.95	24.1	1.49	37.9	1.28	32.5	1.81	46.0
24	.90	22.9	1.29	32.8	1.25	31.8	1.68	42.7	.98	24.5	1.55	39.4	1.33	33.8	1.91	48.5

STRAIN RELIEF DIMENSIONS

.135 (3.4) MAX

Saddle Clamp **Nut**
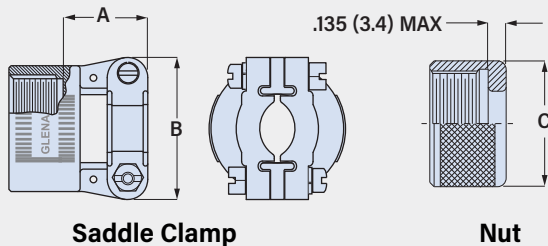
| Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.630	16.0	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

* Not applicable to Style D Nut.

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.
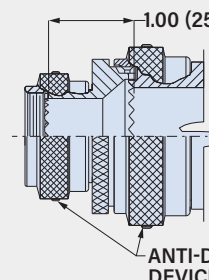
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
08	03	16	10
09	04	18	12
10	04	20	16
11	06	22	16
12	06	24	16
14	08		

Style 2 Straight Backshell
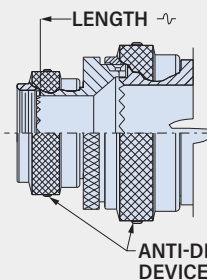
LENGTH

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

ANTI-DECOUPLING DEVICES

Style 2 45° and 90° Backshells

1.00 (25.4) MAX

For Style 2 45° and 90° backshells, the front adapter adds 1 inch to the length.

ANTI-DECOUPLING DEVICES