

# Series 38 EMI Backshells

for Series 970 PowerTrip® Connectors

## 380P\*105 EMI Backshell, Self-Locking



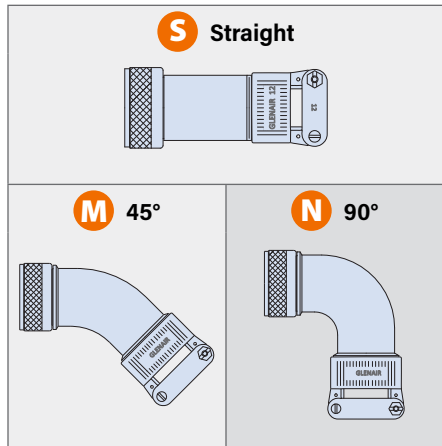
**Self-Locking**

**Shielded. Straight, 45° or 90°.** 380P\*105 backshell fits Glenair Series 970 PowerTrip connectors. Spin coupling, non-environmental. For use with shielded cable. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Two ground rings for terminating both individual and overall braid shields. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Available in aluminum or stainless steel.

**Adapter Code P**

This accessory fits Glenair Series 970 PowerTrip Connectors

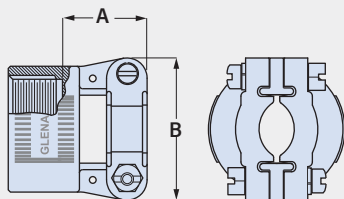
### PROFILE SELECTION GUIDE



### PART NUMBER

	<b>380PS105</b>	<b>ME</b>	<b>20</b>	<b>12</b>	<b>H</b>	<b>4</b>	
<b>Base P/N</b>	<b>Base Part No.</b>	<b>Profile</b>					
	<b>380PS105</b>	<b>S</b> Straight					
	<b>380PM105</b>	<b>M</b> 45° Full Radius					
	<b>380PN105</b>	<b>N</b> 90° Full Radius					
<b>Material/Finish</b>	<b>ME</b>	Alum/ Electroless Nickel					
	<b>MT</b>	Alum/ Nickel-PTFE					
	<b>NF</b>	Alum/ Olive Drab Cadmium					
	<b>ZR</b>	Alum/ Black Zinc-Nickel					
	<b>TZ</b>	Alum/ Tin-Zinc					
	<b>ZI</b>	SST/ Passivated					
<b>Shell Size</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>28</b>	<b>32</b>	<b>36</b>	<b>40</b>
<b>Entry Size</b>	<b>Entry Size</b>	<b>Max. Cable Dia.</b>	<b>Shell Size*</b>	<b>Entry Size</b>	<b>Max. Cable Dia.</b>	<b>Shell Size*</b>	
	<b>04</b>	.312 (7.9)	18-40	<b>20</b>	1.250 (31.8)	28-40	
	<b>06</b>	.437 (11.1)	18-40	<b>24</b>	1.375 (34.9)	28-40	
	<b>08</b>	.562 (14.3)	18-40	<b>28</b>	1.625 (41.3)	32-40	
	<b>10</b>	.625 (15.9)	18-40	<b>32</b>	1.875 (47.6)	36-40	
	<b>12</b>	.750 (19.1)	18-40	<b>40</b>	2.375 (60.3)	-	
	<b>16</b>	.937 (23.8)	20-40				
<i>* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. See Maximum Entry Size for details.</i>							
<b>Strain Relief</b>	<b>H</b>	Saddle Clamp					
<b>Length</b>	<b>6</b>	3 inches	<i>Applies to Profile S only.</i>				
	<b>8</b>	4 inches	<i>If Entry Size is greater than "Maximum Entry Size" (see next page), then 4</i>				
	<b>10</b>	5 inches	<i>inch minimum applies.</i>				
	<b>12</b>	6 inches					

### STRAIN RELIEF DIMENSIONS

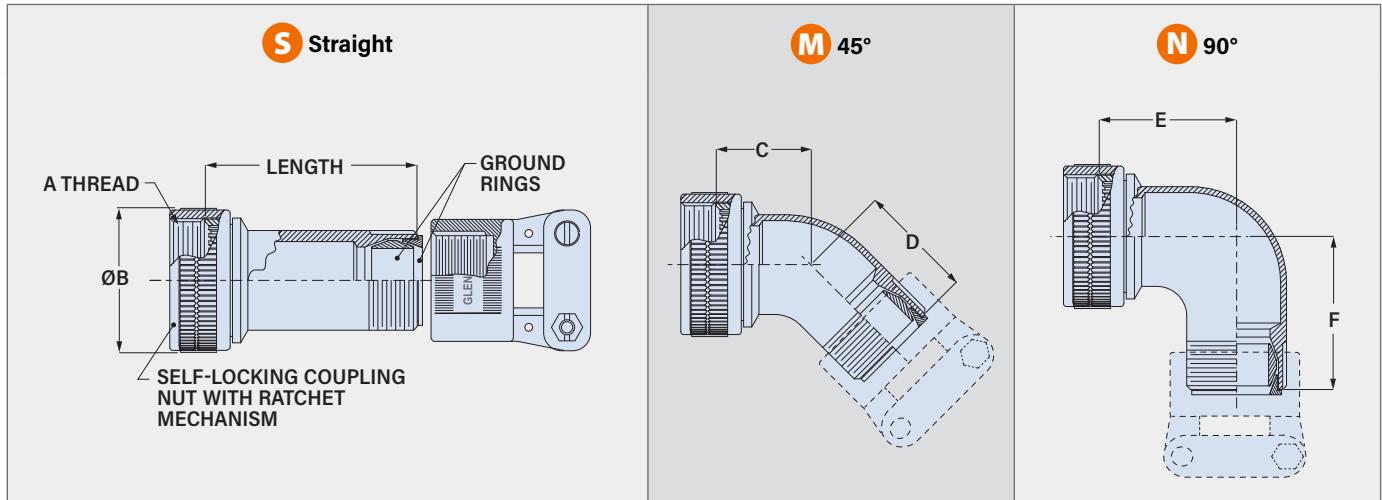


Entry Size	A Max		B Max		Cable Range			
	in	mm	in	mm	Min	Max	Min	Max
<b>04</b>	.780	19.8	.957	24.3	.125	3.2	.312	7.9
<b>06</b>	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
<b>08</b>	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
<b>10</b>	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
<b>12</b>	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
<b>16</b>	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
<b>20</b>	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
<b>24</b>	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
<b>28</b>	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
<b>32</b>	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

# Series 38 EMI Backshells

for Series 970 PowerTrip® Connectors

## 380P\*105 Spin Coupling, Self-Locking



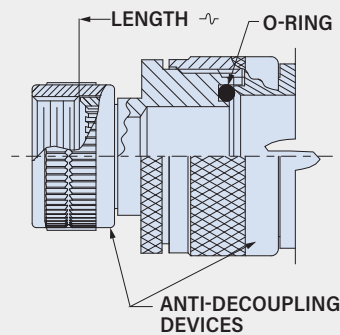
Shell Size	A Thread	ø B Max. in	mm	C Max. in	mm	D Max. in	mm	E Max. in	mm	F Max. in	mm	Max. Entry Size
18	1.125-18 UNEF-2B	1.39	35.3	1.250	31.8	1.156	29.4	1.906	48.4	1.812	46.0	12
20	1.250-18 UNEF-2B	1.53	38.9	1.312	33.3	1.219	31.0	2.031	51.6	1.938	49.2	16
24	1.4375-18 UNEF-2B	1.72	43.7	1.46	35.7	1.312	33.3	2.281	57.9	2.188	55.6	16
28	1.8125-16 UN-2B	2.13	54.1	1.500	38.1	1.625	41.3	2.531	64.3	2.625	66.7	24
32	2.0625-16 UNS-2B	2.35	59.7	1.675	42.5	1.945	49.4	2.625	66.7	2.895	73.5	28
36	2.250-16 UN-2B	2.59	65.8	1.799	45.7	2.069	52.6	2.875	73.0	3.145	79.9	32
40	2.500-16 UN-2B	2.87	70.6	1.861	47.3	2.131	54.1	3.025	76.8	3.295	83.7	32

### 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.

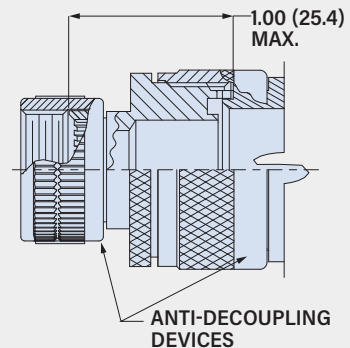
Shell Size	Maximum Entry Size
18	12
20	16
24	16
28	24
32	28
36	32
40	32

#### Style 2 Straight Backshell



Profile **S** straight backshell minimum length code is 8 (4 inches).

#### Style 2 45° and 90° Backshells



For Profile **M** and **N** 45° and 90° backshells, the length increases by 1 inch.