

# Series 37 Environmental Backshells

for MIL-DTL-28840 Connectors

## 370G\*007 Backshell, Environmental, Spin Coupling



**Submersible. Straight, 45° or 90°.** 370G\*007 backshell fits MIL-DTL-28840 connectors. Spin coupling, environmentally sealed with cable grommet. When tightened onto connector, adapter body compresses connector rear grommet for watertight seal. For use with unshielded jacketed cable. Strain relief styles include saddle clamp or low profile nut. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone grommet.

**Adapter Code G**

This accessory fits MIL-DTL-28840 and Glenair Series 901 Connectors

### PROFILE SELECTION GUIDE

**S** Straight

**H** 45°

**J** 90°

### PART NUMBER

		<b>370GS007</b>	<b>ZU</b>	<b>17</b>	<b>08</b>	<b>D</b>	<b>3</b>			
Base P/N	Base Part No.									
	Profile									
		<b>370GS007</b> <b>S</b> Straight								
		<b>370GH007</b> <b>H</b> 45° Cut/Weld								
		<b>370GJ007</b> <b>J</b> 90° Cut/Weld								
Material/Finish	<b>M</b>	Alum/Electroless Nickel								
	<b>NF</b>	Alum/Cadmium, Olive Drab								
	<b>ZR</b>	Alum/Black Zinc-Nickel								
	<b>TZ</b>	Alum/Tin-Zinc								
	<b>ZI</b>	SST/Passivated								
	<b>ZU</b>	SST/Cadmium, Black								
	<b>ZTZ</b>	SST/Tin-Zinc								
Shell Size	Shell Size	11	13	15	17	19	23	25	29	33
		A	B	C	D	E	F	G	H	J
	Size Code	<b>11</b>	<b>13</b>	<b>15</b>	<b>17</b>	<b>19</b>	<b>23</b>	<b>25</b>	<b>29</b>	<b>33</b>
Entry Size	Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*				
	<b>04</b>	.312 (7.9)	11-33	<b>16</b>	.937 (23.8)	23-33				
	<b>06</b>	.437 (11.1)	13-33	<b>20</b>	1.250 (31.8)	29-33				
	<b>08</b>	.562 (14.3)	15-33	<b>24</b>	1.375 (34.9)	29-33				
	<b>10</b>	.625 (15.9)	15-33	<b>28</b>	1.625 (41.3)	33				
	<b>12</b>	.750 (19.1)	19-33	<b>32</b>	1.875 (47.6)	-				
* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. See Maximum Entry Size for details.										
Strain Relief	<b>H</b>	Saddle Clamp								
	<b>D</b>	Nut								
Length	<b>3</b>	1.5 inches	Applies to Profile <b>S</b> only.							
	<b>4</b>	2.0 inches	If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch							
	<b>6</b>	3.0 inches	minimum applies.							
	<b>8</b>	4.0 inches								

### STRAIN RELIEF DIMENSIONS

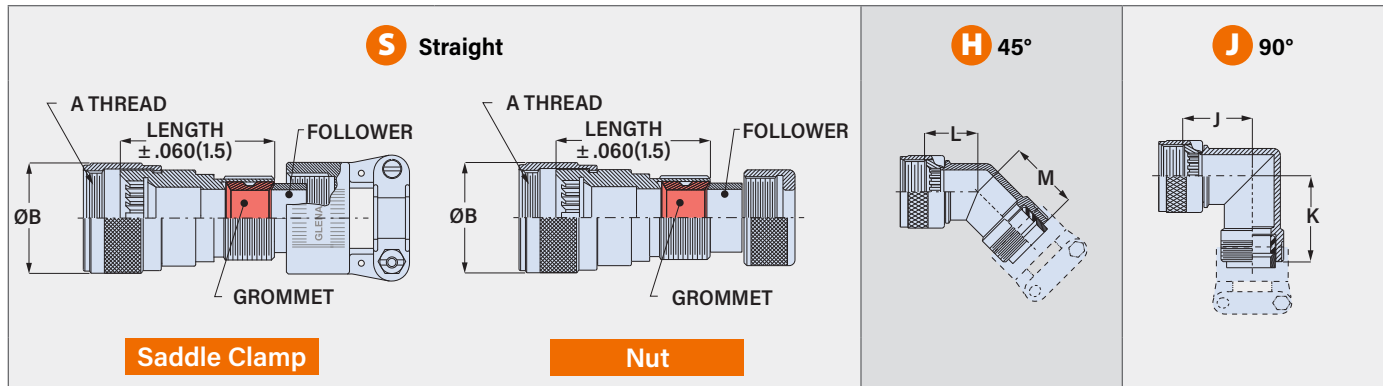
Entry Size	A Max		B Max		øC Max		Cable Range			
	in	mm	in	mm	in	mm	Min*	Max	in	mm
<b>04</b>	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
<b>06</b>	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
<b>08</b>	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
<b>10</b>	.780	19.8	1.332	33.8	1.192	30.3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

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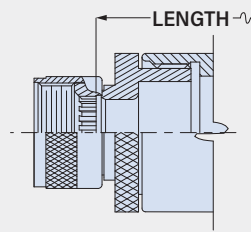
Size Code	Shell Size	A Thread Class 2B	øB Max in	øB Max mm	L Max in	L Max mm	M Max in	M Max mm	J Max in	J Max mm	K Max in	K Max mm
11	A (11)	.750-20 UNEF	.94	23.9	1.24	31.5	1.05	26.7	1.38	35.1	1.19	30.2
13	B (13)	.875-20 UNEF	1.02	25.9	1.26	32.0	1.07	27.2	1.44	36.6	1.25	31.8
15	C (15)	1.000-20 UNEF	1.21	30.7	1.29	32.8	1.10	27.9	1.50	38.1	1.32	33.5
17	D (17)	1.125-18 UNEF	1.36	34.5	1.31	33.3	1.12	28.4	1.57	39.9	1.38	35.1
19	E (19)	1.250-18 UNEF	1.53	38.9	1.34	34.0	1.15	29.2	1.63	41.4	1.46	37.1
23	F (23)	1.438-18 UNEF	1.73	43.9	1.38	35.1	1.19	30.2	1.73	43.9	1.54	39.1
25	G (25)	1.562-18 UNEF	1.82	46.2	1.41	35.8	1.22	31.0	1.80	45.7	1.61	40.9
29	H (29)	1.875-16 UN	2.19	55.6	1.58	40.1	1.39	35.3	2.04	51.8	1.85	47.0
33	J (33)	2.062-16 UNS	2.44	62.0	1.62	41.1	1.43	36.3	2.13	54.1	1.94	49.3

### 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.

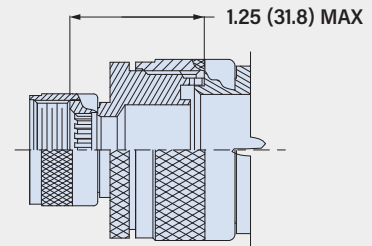
Shell Size	Maximum Entry Size
A (11)	04
B (13)	06
C (15)	10
D (17)	10
E (19)	12
F (23)	16
G (25)	16
H (29)	24
J (33)	28

#### Style 2 Straight Backshell



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

#### Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.25 inches.