



Series 39 EMI+Environmental Backshells

for AS50151 Solder Connectors

390B*002 EMI+Environmental Backshell, Direct Couple



Straight, 45° or 90°. Cone and ring shield termination. 390B*002 backshell fits AS50151 (MS3100) solder connectors. Direct coupling. For use with shielded jacketed cable. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

Adapter Code B

Fits AS50151 Series 1 AN Type solder Connectors . AS310*1, MS3100.

PROFILE SELECTION GUIDE

S Straight

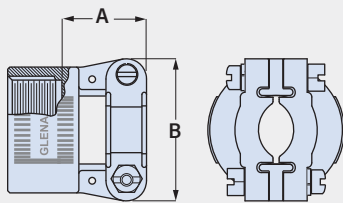
A 90°

B 45°

PART NUMBER

		390B S002	ZR	15	08	H	3	A
Base P/N	390BS002 390BA002 390BB002	S Straight A 90° Elbow B 45° Elbow						
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 (<i>Profile S only</i>)							
Shell Size	Code Shell Size 05 10S 08 10SL 11 12, 12S 14 14, 14S 15 16, 16S 16 18 17 20	Code Shell Size 20 22 21 24 22 28 23 32 26 36 31 40						
Entry Size	See Table 1							
Strain Relief	H Saddle Clamp							
Length	3 1.5 inches 4 2.0 inches 6 3.0 inches 8 4.0 inches	<i>Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.</i>						
Connector Manufacturer Code	A Universal	<i>Compatible with all manufacturers. Includes additional thread adapter(s) as necessary to fit multiple manufacturers. See following page for thread dimensions.</i>						

TABLE 1: ENTRY SIZE



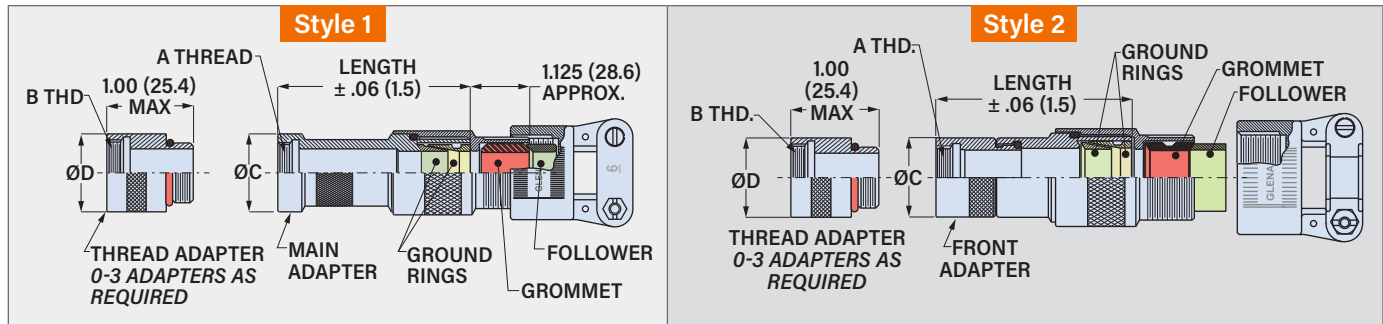
Saddle Clamp

Entry Size	A Max		B Max		Cable Range				Profile S Shell Size Range ⁽¹⁾	
	in	mm	in	mm	Min	Max	in	mm		
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9	10S-40	<i>(1) If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. See next page.</i>
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1	10SL-40	
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3	14-40	
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9	14-40	
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1	16-40	
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8	20-40	
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8	24-40	
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9	28-40	
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3	32-40	
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6	40	

Series 39 EMI+Environmental Backshells

for AS50151 Solder Connectors

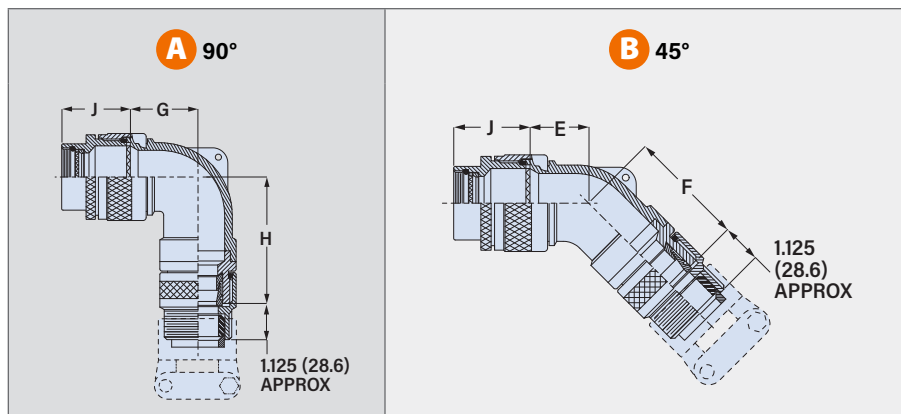
390B*002 EMI+Environmental Backshell, Direct Coupling



Shell Size Code	Shell Size	A Class 2B	B Class 2B	øC Max in	øC Max mm	øD Max in	øD Max mm	Max. Entry Size (I)
05	10S	0.5000-28 UNEF	0.5625-24 UNEF	.724	18.4	.687	17.4	04
08	10SL	0.5625-24 UNEF	0.6250-24 UNEF	.724	18.4	.687	17.4	06
11	12, 12S	0.6250-24 UNEF	0.6875-24 UNEF	.848	21.5	.812	20.6	06
14	14, 14S	0.7500-20 UNEF	N/A	.974	24.7	N/A	N/A	10
15	16, 16S	0.8750-20 UNEF	N/A	1.102	28.0	N/A	N/A	10
16	18	1.0000-20 UNEF	N/A	1.220	31.0	N/A	N/A	12
17	20	1.1250-18 UNEF	1.1250-24 UNS	1.343	34.1	1.312	33.3	16
20	22	1.2500-18 UNEF	N/A	1.343	34.1	N/A	N/A	16
21	24	1.3750-18 UNEF	N/A	1.468	37.3	N/A	N/A	20
22	28	1.6250-18 UNEF	N/A	1.593	40.5	N/A	N/A	24
23	32	1.8750-16 UN	1.90625-18 UNS	2.125	54.0	2.062	52.4	28
			2.0625-16 UNS					
26	36	2.1250-16 UN	2.0625-20 UNEF	2.375	60.3	2.312	58.7	28
			2.1250-18 UNS					
31	40	2.3750-16 UN	2.3125-16 UNS	2.625	66.7	2.562	65.1	32

Notes

- 1) "Max. Entry Size" applies only to straight profile backshells. If the selected entry size is larger than the maximum entry shown in the table, a *Style 2* front adapter will be included.



Shell Size Code	Shell Size	J Max in	J Max mm
05	10S	1.180	30.0
08	10SL	1.180	30.0
11	12, 12S	1.180	30.0
14	14, 14S	1.180	30.0
15	16, 16S	1.380	35.1
16	18	1.380	35.1
17	20	1.380	35.1
20	22	1.380	35.1
21	24	1.380	35.1
22	28	1.610	40.9
23	32	1.610	40.9
26	36	1.610	40.9
31	40	1.610	40.9

Entry Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
04	.630	16.0	2.117	53.8	.636	16.2	2.067	52.5
06	.630	16.0	2.117	53.8	.710	18.0	2.187	55.5
08	.692	17.6	2.179	55.3	.731	18.6	2.207	56.1
10	.755	19.2	2.862	72.7	.825	21.0	2.867	72.8
12	.848	21.5	2.972	75.5	.988	25.1	2.957	75.1
16	1.036	26.3	3.159	80.2	1.087	27.6	3.132	79.6
20	1.130	28.7	3.368	85.5	1.325	33.7	3.303	83.9
24	1.255	31.9	3.408	86.6	1.337	34.0	3.453	87.7
28	1.317	33.5	3.553	90.2	1.827	46.4	3.703	94.1
32	1.348	34.2	3.646	92.6	2.027	51.5	2.753	69.9