

290-003 and 290-004 Strain Relief Backshells



290 W A 003 Z1-16 10 H 6

Series No. ————

Connector Desig. ————

Angular Function ————
A = 90°
S = Straight

Basic Part Number ————
003 = Strain Relief
004 = Environmental Seal/Strain Relief

Length (S Only)
(1/2 inch increments;
e.g. 6 = 3 inches)

Strain Relief Style

Dash No. (Table III)

Shell Size (Table II)

Material/Finish (Table I)

NOTES

1. Standard minimum length for Style 1 is 1.5 (38.1); for Style 2 is 2.0 (50.8). Consult factory for shorter lengths. Applicable to symbol S only.
2. When cable diameter exceeds inside diameter of connector shell, Style 2 will be supplied.
3. Consult factory for other backshell types available for Series 22 connectors, EMI shield terminations, etc.
4. Metric dimensions (mm) are indicated in parentheses.

TABLE I

DESIGNATOR	MATERIAL	FINISH
G	Aluminum Alloy QQ-A-225/8 (Backshell Body)	Hard Coat (Anodize) MIL-A-8625, Type III, Class 1
Z1	Corrosive Resistant Steel QQ-S-763 AISI 300 Series	Passivate QQ-P-35

TABLE II

SHELL SIZE	ATHREAD CLASS 2B	B DIA	MAX ENTRY
10	5/8 - 24 UNEF	.781 (19.8)	06
12	3/4 - 20 UNEF	.906 (23.0)	06
14	7/8 - 20 UNEF	1.031 (26.2)	10
16	1 - 20 UNEF	1.156 (29.4)	12
18	1 1/8 - 16 UN	1.281 (32.5)	12
20	1 1/4 - 16 UN	1.406 (35.7)	16
22	1 3/8 - 16 UN	1.531 (38.9)	16
24	1 1/2 - 16 UN	1.656 (42.1)	24

TABLE III

DASH NO.	C MAX	D MAX	E MAX	F MAX	CABLE RANGE MIN	CABLE RANGE MAX	TORQUE ± 5 IN. LBS.
04	.94 (23.9)	1.16 (29.5)	.957 (24.3)	.780 (19.8)	.125 (3.2)	.312 (7.9)	80
06	.98 (24.9)	1.22 (31.0)	1.145 (29.1)	.780 (19.8)	.250 (6.4)	.437 (11.1)	100
08	1.03 (26.2)	1.25 (31.8)	1.332 (33.8)	.780 (19.8)	.312 (7.9)	.562 (14.3)	120
10	1.09 (27.7)	1.32 (33.5)	1.332 (33.8)	.780 (19.8)	.350 (8.9)	.625 (15.9)	120
12	1.12 (28.4)	1.36 (34.5)	1.551 (39.4)	.811 (20.6)	.500 (12.7)	.750 (19.1)	140
16	1.25 (31.8)	1.45 (36.8)	1.770 (45.0)	.905 (23.0)	.625 (15.9)	.937 (23.8)	140
20	1.41 (35.8)	1.65 (41.9)	2.113 (53.7)	1.092 (27.7)	.875 (22.2)	1.250 (31.8)	140
24	1.41 (35.8)	1.65 (41.9)	2.363 (60.0)	1.124 (28.5)	1.000 (25.4)	1.375 (34.9)	150