

390PX055 EMI/RFI environmental backshell
 Straight, 45°, 90° configurations • three strain relief options

POWERLOAD BACKSHELLS AND ACCESSORIES

MATERIAL / FINISH		
Code	Material	Finish
ME	Aluminum	Electroless Nickel
MT		Nickel-PTFE
NF		Cadmium, OD
ZR		Zinc-Ni, Black (Tri-Valent CR)
Z1	Stainless	Passivate
ZL	Steel	Electrodeposited Nickel

PROFILE SELECTION

S = Straight

M = 45°

N = 90°

HOW TO ORDER																																																																																		
Sample Part Number	390PXS055	MT	24	12H	8																																																																													
Base Part Number	390PXM055 = 45° (bent tube elbow) 390PXN055 = 90° (bent tube elbow) 390PXS055 = straight																																																																																	
Material/Finish	ME, MT, NF, ZR, Z1, ZL (See Table)																																																																																	
Shell Size	16, 20, 22, 24, 28, 32, 36																																																																																	
Entry Size and Strain Relief Code	SADDLE CLAMP			NUT																																																																														
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Length	Applies to profile S straight only. 6 = 3 inches (minimum for shell size 16 to 22) 8 = 4 inches (minimum for shell sizes 24 to 36) 10 = 5 inches (minimum when Entry Size is greater than "Maximum Entry Size") 12 = 6 inches 16 = 8 inches																																																																																	

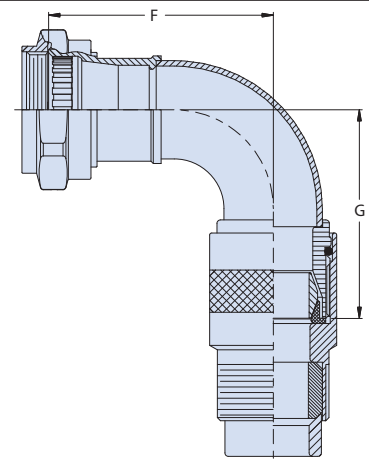
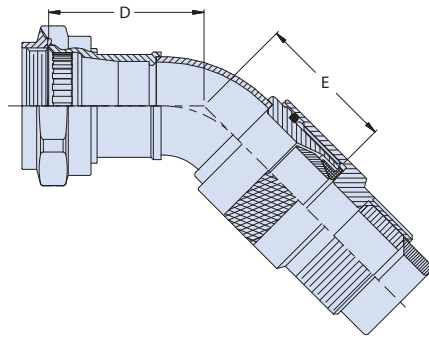
390PXS055 STRAIGHT BACKSHELL DIMENSIONS					
Shell Size	A Thread	C Hex Flats	ØB Max	ØX Min	Max. Entry Size
16	15/16-20 UNEF	1.25 (31.8)	1.43 (36.3)	.592 (15.0)	08
20	113/16-18 UNEF	1.50 (38.1)	1.71 (43.4)	.832 (21.1)	12
22	15/8-18 UNEF	1.63 (41.4)	1.84 (46.7)	.952 (24.2)	16
24	17/16-18 UNEF	1.75 (44.5)	1.95 (49.5)	1.071 (27.2)	20
28	111/16-18 UNEF	2.00 (50.8)	2.21 (56.1)	1.310 (33.3)	24
32	115/16-20 UN	2.25 (57.2)	2.45 (62.2)	1.549 (39.3)	28
36	23/16-16 UNS	2.50 (63.5)	2.68 (68.1)	1.788 (45.4)	32

PowerLoad™ Connector Backshells

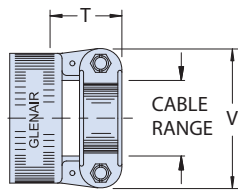
390PX055 EMI/RFI environmental backshell
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390PXM055 AND 390PXN055 45° AND 90° BACKSHELL DIMENSIONS

Shell Size	D Max	E Max	F Max	G Max	Max. Entry Size
16	1.536 (39.0)	1.050 (26.7)	1.966 (49.9)	1.480 (37.6)	08
20	1.646 (41.8)	1.145 (29.1)	2.221 (56.4)	1.720 (43.7)	12
22	1.698 (43.1)	1.255 (31.9)	2.343 (59.5)	1.900 (48.3)	16
24	1.756 (44.6)	1.300 (33.0)	2.476 (62.9)	2.020 (51.3)	20
28	1.862 (47.3)	1.400 (35.6)	2.732 (69.4)	2.270 (57.7)	24
32	1.972 (50.1)	1.545 (39.2)	2.987 (75.9)	2.560 (65.0)	28
36	2.083 (52.9)	1.720 (43.7)	3.248 (82.5)	2.885 (73.3)	32

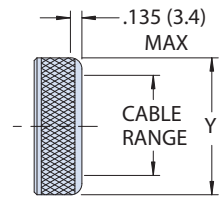


SADDLE CLAMP DIMENSIONS



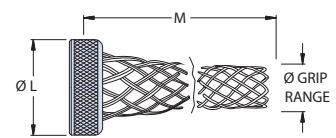
Entry Size	T Max	V Max	Cable Range	
			min	max
04	.780 (19.8)	.957 (24.3)	.125 (3.3)	.312 (7.9)
06	.780 (19.8)	1.145 (29.1)	.250 (6.4)	.437 (11.1)
08	.780 (19.8)	1.332 (33.8)	.387 (9.8)	.562 (14.3)
10	.780 (19.8)	1.332 (33.8)	.350 (8.9)	.625 (15.9)
12	.811 (20.6)	1.551 (39.4)	.500 (12.7)	.750 (19.1)
16	.905 (23.0)	1.770 (45.0)	.625 (15.9)	.937 (23.8)
20	1.092 (27.7)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)
24	1.124 (28.5)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)
28	1.399 (35.5)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)
32	1.399 (35.5)	3.020 (76.7)	1.437 (36.5)	1.875 (47.6)
36	1.750 (44.5)	3.250 (82.6)	1.625 (41.3)	2.125 (54.0)
40	1.750 (44.5)	3.500 (88.9)	1.875 (47.6)	2.375 (60.3)

NUT DIMENSIONS



Entry Size	Y Max	Cable Range
		max
04	.755 (19.2)	.312 (7.9)
06	.942 (23.9)	.438 (11.1)
08	1.067 (27.1)	.562 (14.3)
10	1.192 (30.3)	.625 (15.9)
12	1.380 (35.1)	.750 (19.1)
16	1.535 (39.0)	.938 (23.8)
20	1.848 (46.9)	1.250 (31.8)
24	2.255 (57.3)	1.375 (34.9)
28	2.505 (63.6)	1.625 (41.3)
32	2.755 (70.0)	1.875 (47.6)
36		
40	3.255 (82.7)	2.375 (60.3)

CABLE GRIP DIMENSIONS



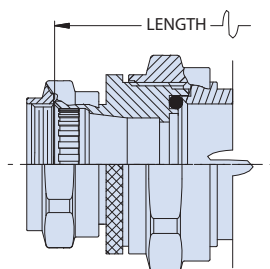
Entry Size	L Max	M Ref	Grip Range Ø	
			min	max
03	.625 (15.9)	2.12 (53.8)	.180 (4.6)	.210 (5.3)
04	.755 (19.2)	2.75 (69.9)	.210 (5.3)	.310 (7.9)
06	.942 (23.9)	4.00 (101.6)	.310 (7.9)	.438 (11.1)
08	1.067 (27.1)	4.12 (104.7)	.438 (11.1)	.500 (12.7)
10	1.192 (30.3)	4.37 (111.0)	.500 (12.7)	.625 (15.9)
12	1.380 (35.1)	5.00 (127.0)	.625 (15.9)	.750 (19.1)
14	1.563 (39.7)	6.00 (152.4)	.750 (19.1)	.875 (22.2)
16	1.563 (39.7)	6.25 (158.8)	.875 (22.2)	1.000 (25.4)
20	1.875 (47.6)	7.25 (184.2)	1.000 (25.4)	1.250 (31.75)
24	2.225 (56.5)	8.00 (203.2)	1.125 (28.6)	1.375 (34.9)
28	2.505 (63.6)	8.50 (215.9)	1.375 (34.9)	1.625 (41.3)
32	2.755 (70.0)	9.00 (228.6)	1.625 (41.3)	1.875 (47.6)
36				
40	3.255 (82.7)	9.50 (241.3)	2.125 (54.0)	2.375 (60.3)

MAXIMUM ENTRY SIZE AND SHELL SIZE RANGE

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.

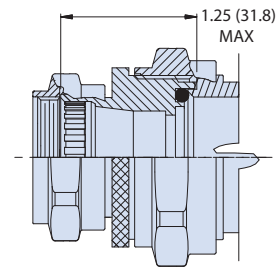
Shell Size	Maximum Entry Size
16	08
20	12
22	16
24	20
28	24
32	28
36	32

Style 2 Straight Backshell



Style 2 minimum length code is 10 (5 inches) for profile S straight backshells

Style 2 45° and 90° Backshells



For profile M and N 45° and 90° backshells, the length increases by 1.25 inches

POWERLOAD BACKSHELLS AND ACCESSORIES