

M85049/29 Type Strain Relief Backshell

RY85049 Series • M85049 Type Backshells



RY85049/29 Compatibility

Compatible Connector Series
MIL-DTL-38999 Series I & II

RY85049/29 Dimensions

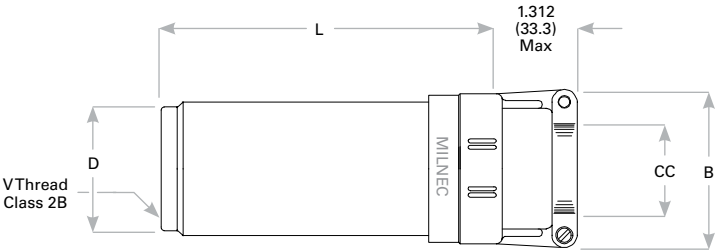
Shell Size	Series I Ref	V Thread Class 2B	D	Clamp Size	
				Min	Max
08	9	0.438 - 28 UNEF	0.567 (14.4)	1	2
10	11	0.562 - 24 UNEF	0.704 (17.9)	1	3
12	13	0.688 - 24 UNEF	0.829 (21.1)	2	4
14	15	0.813 - 20 UNEF	0.954 (24.2)	2	5
16	17	0.938 - 20 UNEF	1.079 (27.4)	2	6
18	19	1.063 - 18 UNEF	1.203 (30.6)	3	7
20	21	1.188 - 18 UNEF	1.329 (33.8)	3	8
22	23	1.313 - 18 UNEF	1.454 (36.9)	3	9
24	25	1.438 - 18 UNEF	1.579 (40.1)	4	10

Dimensions are in inches (mm).

RY85049/29 14 N 05 B

1 2 3 4 5

- BASIC PART NUMBER**
RY85049/29
M85049/29 type
Non-environmental strain relief backshell
(Supersedes MIL-DTL-38999/6)
- SHELL SIZE**
See Dimensions table below
- MATERIAL & FINISH**
A Aluminum, black anodize
N Aluminum, electroless nickel
W Aluminum, olive drab cadmium
X Aluminum, nickel fluorocarbon polymer
Y Aluminum, pure dense electrodeposited aluminum
Z Aluminum, zinc-nickel
- CLAMP SIZE**
See Clamp Size table below
- LENGTH CODE**
See Length Code table below
(Omit for standard)



(Continued on next page)

Rev. 1825

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RY85049/29 Clamp Size (Continued from previous page)

Clamp Size	B Max	CC Cable Range	
		Min	Max
01	0.781 (19.8)	0.062 (1.6)	0.125 (3.2)
02	0.969 (24.6)	0.125 (3.2)	0.250 (6.4)
03	1.062 (27.0)	0.250 (6.4)	0.375 (9.5)
04	1.156 (29.4)	0.312 (7.9)	0.500 (12.7)
05	1.250 (31.8)	0.437 (11.1)	0.625 (15.9)
06	1.375 (34.9)	0.562 (14.3)	0.750 (19.1)
07	1.500 (38.1)	0.687 (17.4)	0.875 (22.2)
08	1.625 (41.3)	0.812 (20.6)	1.000 (25.4)
09	1.750 (44.5)	0.937 (23.8)	1.125 (28.6)
10	1.875 (47.6)	1.062 (27.0)	1.250 (31.8)

Dimensions are in inches (mm).

RY85049/29 Length Code

Clamp Size	Shell Sizes	L
Standard	08 - 24	1.000 (25.4)
A	08 - 24	2.000 (50.8)
B	14 - 24	3.000 (76.2)
C	20 - 24	4.000 (101.6)

Dimensions are in inches (mm).