

# M85049/21 Type Non-Environmental Backshell

Ry85049 Series • M85049 Type Backshells



## Ry85049/21 11 N 5 B

- 1 **BASIC PART NUMBER**  
**Ry85049/21**  
 M85049/21 type  
 Non-environmental strain relief backshell  
 (Supersedes MIL-C-85049/21)
- 2 **SHELL SIZE**  
 See Dimensions table below
- 3 **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
- 4 **CLAMP SIZE**  
 See Clamp Size table below
- 5 **LENGTH CODE**  
 See Length Code table below  
 (Omit for standard)

## Ry85049/21 Compatibility

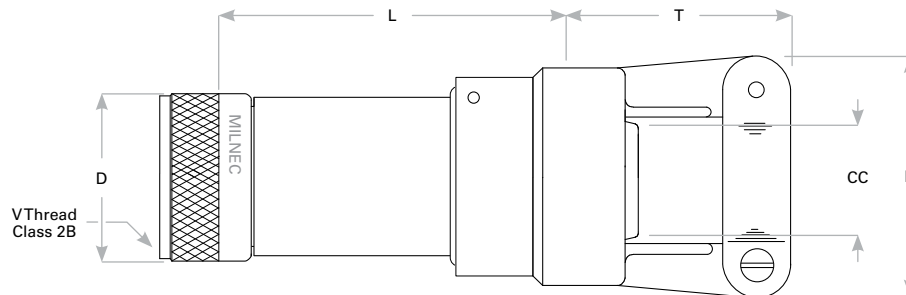
### Compatible Connector Series

MIL-DTL-38999, Series III & IV EN3645

## Ry85049/21 Dimensions

Shell Size	V Thread Class 2B	D	Clamp Size	
			Min	Max
9	M12 X 1 - 6H	0.750 (19.1)	1	2
11	M15 X 1 - 6H	0.850 (21.6)	1	3
13	M18 X 1 - 6H	1.000 (25.4)	2	4
15	M22 X 1 - 6H	1.100 (27.9)	2	5
17	M25 X 1 - 6H	1.250 (31.8)	2	6
19	M28 X 1 - 6H	1.400 (35.6)	3	7
21	M31 X 1 - 6H	1.500 (38.1)	3	8
23	M34 X 1 - 6H	1.650 (41.9)	3	9
25	M37 X 1 - 6H	1.700 (43.2)	4	10

Dimensions are in inches (mm).



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## RY85049/21 Clamp Size (Continued from previous page)

Clamp Size	B Max	T Max	CC Cable Range	
			Min	Max
01	0.800 (20.3)	1.350 (34.3)	0.062 (1.6)	0.125 (3.2)
02	1.000 (25.4)	1.350 (34.3)	0.125 (3.2)	0.250 (6.4)
03	1.100 (27.9)	1.350 (34.3)	0.250 (6.4)	0.375 (9.5)
04	1.200 (30.5)	1.350 (34.3)	0.312 (7.9)	0.500 (12.7)
05	1.250 (31.8)	1.350 (34.3)	0.437 (11.1)	0.625 (15.9)
06	1.400 (35.6)	1.350 (34.3)	0.562 (14.3)	0.750 (19.1)
07	1.500 (38.1)	1.350 (34.3)	0.687 (17.4)	0.875 (22.2)
08	1.650 (41.9)	1.350 (34.3)	0.812 (20.6)	1.000 (25.4)
09	1.750 (44.5)	1.350 (34.3)	0.937 (23.8)	1.125 (28.6)
10	1.900 (48.3)	1.350 (34.3)	1.062 (27.0)	1.250 (31.8)

Dimensions are in inches (mm).

## RY85049/21 Length Code

Clamp Size	Shell Sizes	L
Standard	9 - 25	1.500 (38.1)
A	9 - 25	2.500 (63.5)
B	15 - 25	3.500 (88.9)
C	21 - 25	4.500 (114.3)

Dimensions are in inches (mm).

