

M85049/31 Type E Nut

RY85049 Series • M85049 Type Backshells

RY85049/31 S 16 N



1 2 3 4

- 1 **BASIC PART NUMBER**
RY85049/31
M85049/31 type
Self-locking & non-self-locking E nut
(Supersedes M83723/15 & MS3416)
- 2 **COUPLING STYLE**
N Non-detented
S Self-locking
(Use dash for non-self-locking)
- 3 **SHELL SIZE**
See dimensions table below
- 4 **MATERIAL & FINISH**
A Aluminum, black anodize
N Aluminum, electroless nickel
W Aluminum, olive drab cadmium over electroless nickel
X Aluminum, nickel fluorocarbon polymer
Y Aluminum, pure dense electrodeposited aluminum
Z Aluminum, black zinc-nickel

RY85049/31 Compatibility

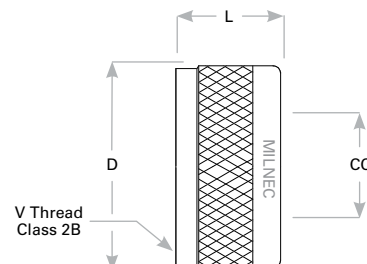
Compatible Connector Series

AS50151 Series AS34001 Crimp, MIL-DTL-26482 Series II,
SAE AS81703 Crimp Series III, MIL-DTL-83723 Series I, MIL-DTL-83723 Series III

RY85049/31 Dimensions

Shell Size	D Max	L Max	V Thread Class 2B	CC Cable Clearance
3	-	-	0.562 - 24 UNEF	0.270 (6.9)
8	0.885 (22.5)	0.710 (18.0)	0.500 - 20 UNF	0.270 (6.9)
10	1.010 (25.7)	0.710 (18.0)	0.625 - 24 UNEF	0.375 (9.5)
12	1.135 (28.8)	0.710 (18.0)	0.750 - 20 UNEF	0.511 (13.0)
14	1.260 (32.0)	0.710 (18.0)	0.875 - 20 UNEF	0.585 (14.9)
16	1.385 (35.2)	0.710 (18.0)	1.000 - 20 UNEF	0.710 (18.0)
18	1.510 (38.4)	0.710 (18.0)	1.062 - 18 UNEF	0.789 (20.0)
20	1.635 (41.5)	0.710 (18.0)	1.188 - 18 UNEF	0.914 (23.2)
22	1.760 (44.7)	0.710 (18.0)	1.313 - 18 UNEF	1.039 (26.4)
24	1.885 (47.9)	0.710 (18.0)	1.438 - 18 UNEF	1.154 (29.3)
28	2.135 (54.2)	0.890 (22.6)	1.750 - 18 UNS	1.389 (35.3)
32	2.395 (60.8)	0.890 (22.6)	2.000 - 18 UNS	1.635 (41.5)
36	2.635 (66.9)	0.890 (22.6)	2.250 - 16 UN	1.850 (47.0)
40	2.885 (73.3)	0.890 (22.6)	2.500 - 16 UN	2.065 (52.5)
44	3.135 (79.6)	0.890 (22.6)	2.750 - 16 UN	2.320 (58.9)
48	3.385 (86.0)	0.890 (22.6)	3.000 - 16 UN	2.570 (65.3)
61	-	-	1.500 - 18 UNEF	1.194 (30.3)

Dimensions are in inches (mm).



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