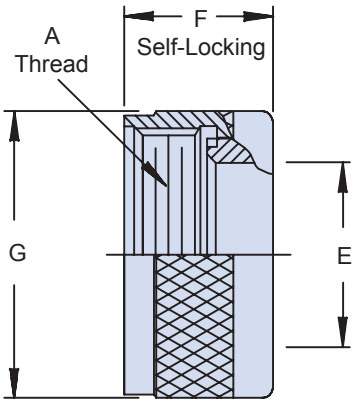
AS85049/31, MS3416 and MIL-DTL-85723/15N Self-Locking and Non-Self-Locking E-Nut

CONNECTOR DESIGNATOR:	
A	AS50151 Series AS34001 Crimp, MIL-DTL-26482 Series II, SAE AS81703 Crimp Series III, MIL-DTL-83723 Series I, MIL-DTL-83723 Series III



Basic Part Number

M85049/31 S 22 W

Finish
- *A = Anodize, Black*
- *N = Electroless Nickel*
- *W = 1,000 Hour Cadmium Olive Drab over Electroless Nickel*
- *X = Nickel Fluorocarbon Polymer*
- *Y = Pure Dense Electrodeposited Aluminum*
- *Z = Zinc-Nickel, Black*

- *S = Self-Locking*
- *N = Non-Detented Use Dash for Non-Self-Locking*

Shell Size

Superseded Part Number

M83723/15N-10 A

- Basic Part No. (Non-Self-Locking Only)
- Dash No.
- Finish Designator
  - A = Non-Conductive, Black Anodize
  - R = Conductive, Electroless Nickel

Superseded Part Number

MS3416 -10-E A

- Basic Part No. (Non-Self-Locking Only)
- Dash No.
- Style
- Metal and Finish Designator
  - A = Aluminum 500 Hour Cad. Olive Drab Over Electroless Nickel
  - C = Aluminum, Cadmium Olive Drab
  - G = Aluminum, Black Anodize
  - N = Aluminum, Electroless Nickel

APPLICATION NOTES

1. For complete dimensions, see the applicable Military Specification.
2. Metric dimensions (mm) are indicated in parentheses.

TABLE I: Shell Size, Thread and Dimensions

Shell Size	A Thread Class 2B	Ø E Max		F Max		Ø G Max	
3	.562 - 24 UNEF	.270	(6.9)	--		--	
8	.500 - 20 UNF	.270	(6.9)	.710	(18.0)	.885	(22.5)
10	.625 - 24 UNEF	375	(9.5)	.710	(18.0)	1.010	(25.7)
12	.750 - 20 UNEF	.511	(13.0)	.710	(18.0)	1.135	(28.8)
14	.875 - 20 UNEF	.585	(14.9)	.710	(18.0)	1.260	(32.0)
16	1.000 - 20 UNEF	.710	(18.0)	.710	(18.0)	1.385	(35.2)
18	1.062 - 18 UNEF	.789	(20.0)	.710	(18.0)	1.510	(38.4)
20	1.188 - 18 UNEF	.914	(23.2)	.710	(18.0)	1.635	(41.5)
22	1.313 - 18 UNEF	1.039	(26.4)	.710	(18.0)	1.760	(44.7)
24	1.438 - 18 UNEF	1.154	(29.3)	.710	(18.0)	1.885	(47.9)
28	1.750 - 18 UNS	1.389	(35.3)	.890	(22.6)	2.135	(54.2)
32	2.000 - 18 UNS	1.635	(41.5)	.890	(22.6)	2.395	(60.8)
36	2.250 - 16 UN	1.850	(47.0)	.890	(22.6)	2.635	(66.9)
40	2.500 - 16 UN	2.065	(52.5)	.890	(22.6)	2.885	(73.3)
44	2.750 - 16 UN	2.320	(58.9)	.890	(22.6)	3.135	(79.6)
48	3.000 - 16 UN	2.570	(65.3)	.890	(22.6)	3.385	(86.0)
61	1.500 - 18 UNEF	1.194	(30.3)	--		--	

Dimensions in inches (millimeters) and are subject to change without notice.

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