




FED SUP CLASS  
5935

(G)

SHELL SIZE	F ±.005	M THREAD CLASS 2A	O +.001 -.006 FLAT	Q ±.016 DIA	S ±.016	UP MAX	US MAX	Z +.006 -.005 DIA	DD MIN DIA	EE +.005 -.000	RECOMMENDED PACKING ("O" RING) 
8	.438	.875-20UNEF	.817	1.375	1.250	.281	.359	.965	.678	.140	MS9021-022
10		1.000-20UNEF	.941	1.500	1.375			1.090	.780		-024
12		1.125-18UNEF	1.065	1.625	1.500			1.215	.963		-026
14		1.250-18UNEF	1.190	1.750	1.625			1.340	1.088		-028
16		1.375-18UNEF	1.320	1.938	1.781			1.477	1.222		-029
18		1.500-18UNEF	1.440	2.016	1.890			1.602	1.333		-030
20	.464	1.625-18UNEF	1.565	2.141	2.016	.250	.344	1.727	1.458	.166	-031
22		1.750-18UNS	1.690	2.265	2.140			1.852	1.583		-032
24		1.875-16UN	1.815	2.390	2.265			1.977	1.708		-033

(G)

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.001	0.03	.116	2.95	.875	22.23	1.340	34.04	1.781	45.24
.003	0.08	.140	3.56	.941	23.90	1.375	34.93	1.815	46.10
.005	0.13	.166	4.22	.963	24.46	1.440	36.58	1.852	47.04
.006	0.15	.238	6.05	1.000	25.40	1.458	37.03	1.875	47.63
.008	0.20	.250	6.35	1.065	27.05	1.477	37.52	1.890	48.01
.010	0.25	.281	7.14	1.088	27.64	1.500	38.10	1.938	49.23
.011	0.28	.312	7.92	1.090	27.69	1.565	39.75	1.977	50.22
.012	0.30	.344	8.74	1.125	28.58	1.583	40.21	2.016	51.21
.016	0.41	.359	9.12	1.190	30.23	1.602	40.69	2.140	54.36
.045	1.14	.438	11.13	1.215	30.86	1.625	41.28	2.141	54.38
.053	1.35	.464	11.79	1.222	31.04	1.690	42.93	2.265	57.53
.062	1.57	.678	17.22	1.250	31.75	1.708	43.38	2.390	60.71
.094	2.39	.780	19.81	1.320	33.53	1.727	43.87		
.109	2.77	.817	20.75	1.333	33.86	1.750	44.45		

## (G) NOTES.

- Dimensions are in inches.
- Metric equivalents are given for general information only.
- Jam nut mounting receptacles shall be provided with an "O" ring.
- Sides of groove may have 5° max taper.
- For main keyway and keyway positions, see MIL-C-38999.
- Diameters M, Q, and Z shall be concentric within .015 T.I.R.
- Recommended packing for dimensions only. Material is optional.
- For design feature purposes. This standard takes precedence over documents referenced herein.
- Referenced documents shall be of the issue in effect on date of invitation for bid.

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

Review activities  
Army - MI, MU  
Navy - EC, MC, OS  
Air Force - 11, 15, 17, 80, 99  
DSA-ES

User activities  
Army -  
Navy -  
Air Force -

P A AF-85	International interest	TITLE CONNECTOR, RECEPTACLE ELECTRICAL JAM NUT MOUNTING, SOLDER TYPE, HERMETIC SEAL, SERIES II	MILITARY STANDARD
Other Cust ARMY - CR NAVY - AS			MS27477
Procurement Specification MIL-C-38999	SUPERSEDES MS27477 (USAF)	PAGE 2	OF 2