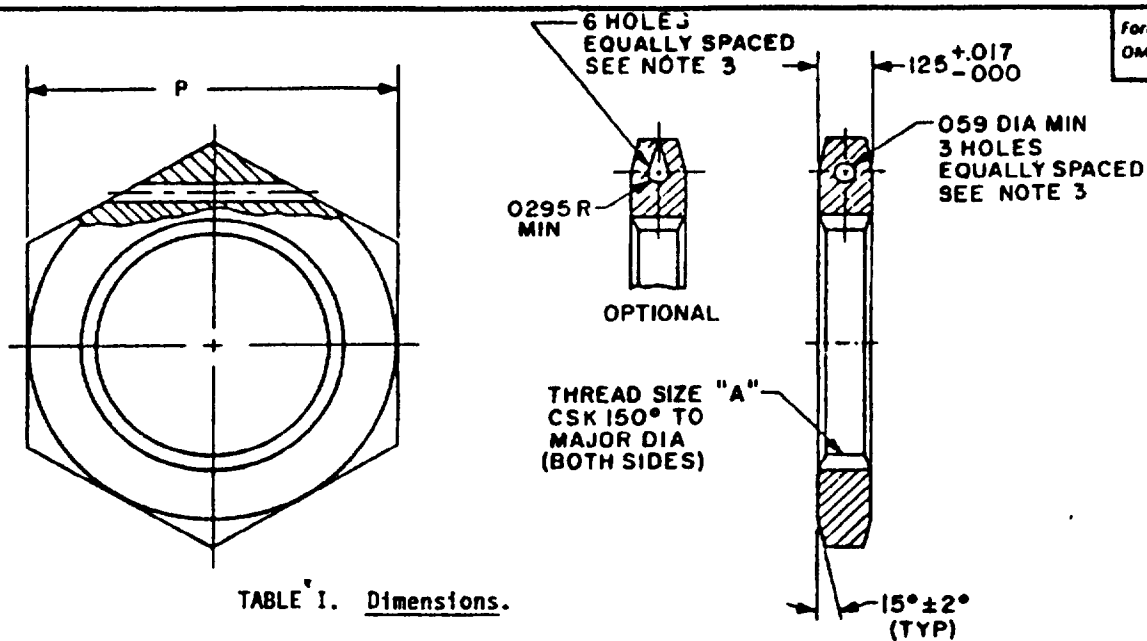


REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THE SPECIFICATION SET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DOCS. CIFIED IN THE SOLICITATION MIL-C-38999.

THIS SPECIFICATION IS APPROVED FOR USE BY all Departments and Agencies of the Department of Defense.



Form Approved
OMB No. 0704-0188

TABLE I. Dimensions.

Shell size	A Thread size class 2B	P +.017 -.016 hex
-8	.8750-20 UNEF	1.062
-10	1.0000-20 UNEF	1.188
-12	1.1250-18 UNEF	1.312
-14	1.2500-18 UNEF	1.438
-16	1.3750-18 UNEF	1.562
-18	1.5000-18 UNEF	1.688
-20	1.6250-18 UNEF	1.812
-22	1.7500-18 UNS	2.000
-24	1.8750-16 UN	2.125

EXAMPLE OF PART NUMBER

MS27512 -10 E
MS NO. SHELL SIZE MATERIAL AND FINISH CODE

Ⓕ INACTIVE FOR NEW DESIGN - USE MS 3186

Ⓕ denotes changes

PREPARING ACTIVITY Air Force - 85 CUSTODIANS ARMY CR NAVY AS AIR FORCE - 85 DLA REVIEW Navy-EC,MC,OS; DLA-ES USER Air Force-11,15,17,99 PROJECT NUMBER Army - AR, MI 5935-3756	MILITARY SPECIFICATION SHEET TITLE MUT, HEXAGON, CONNECTOR MOUNTING, SERIES II	SPECIFICATION SHEET NUMBER MS27512F 26 July 1990 SUPERSEDING MS27512E. 20 February 1978 AMSC N/A FSC 5935
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SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODSS SPECIFIED IN THE SOLICITATION MIL-C-38999.

Form Approved
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Inches	mm	Inches	mm
.016	0.41	1.312	33.32
.017	0.43	1.438	36.53
.0295	.750	1.562	39.67
.059	1.50	1.688	42.88
.125	3.18	2.000	50.80
1.062	26.97	2.125	53.98
1.188	30.18		

TABLE II. Material and finish codes.

Code	Material	Finish 1/	Applicable connectors
A	Aluminum: QQ-A-200/B, condition T-6; QQ-A-225/5, condition T-4 or QQ-A-225/B, condition T-6	A	Series II, finishes A and D
B		B	Series II, finish B
C		C	Series II, finish C
F		F	Series II, finish F
E	Corrosion resisting steel: QQ-S-764, type 303 or 303 SE	E	Series II, finish E

1/ In accordance with MIL-C-38999.

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Safety wire holes shall not pull out when safety wire NI-CU alloy (MONEL) or NI-CR alloy (INCONEL) .020 (0.51 mm) diameter in accordance with MS20995 is threaded through a hole and a pull of 30 pounds minimum is applied. Two pulls shall be made, one parallel with axis of nut and one perpendicular to axis of nut.
4. Threads to be in accordance with MIL-S-7742.
5. Remove all burrs and sharp edges.
6. For design feature purposes, this standard takes precedence over acquisition documents referenced herein.
7. Referenced documents shall be of the issue in effect on date of invitation for bid.

PREPARING ACTIVITY Air Force - 85
CUSTODIANS ARMY CR NAVY - AS
AIR FORCE - 85 DLA - AS
REVIEW Navy-EC,MC,OS; DLA - ES
USER Air Force-11,15,17,99
PROJECT NUMBER Army-AR,NI
5935-3756

MILITARY SPECIFICATION SHEET
TITLE NUT, HEXAGON, CONNECTOR
MOUNTING, SERIES II

SPECIFICATION SHEET NUMBER

MS27512F

SUPERSEDING
MS27512E 20 February 1978

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Page 2 of 2

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