

ADOPTION NOTICE

SAE-AS91001, "Nut - Hex, Boss Connection, Cres", was adopted on 30-OCT-00 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Commander, Defense Supply Center Philadelphia, ATTN: DSCP-ILEA, 700 Robbins Avenue, Philadelphia, PA 19111-5096. Copies of this document may be purchased from the Society of Automotive Engineers Inc., 400 Commonwealth Drive, Warrendale, PA 15096-0001 . <http://www.sae.org/>

Custodians:

Army - AV
Navy - AS
Air Force - 99

Adopting Activity:

DLA - IS
(Project 5310-2669)

SAENORM.COM : Click to view the full PDF of SAE-AS91001

FSC 5310

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

AS91001

FEDERAL SUPPLY CLASS
5310

NOTICE

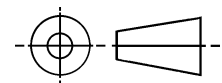
THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS9100B, AMENDMENT 1 AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MS9100B, AMENDMENT 1. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS SAE TECHNICAL DOCUMENT.

SAENORM.COM : Click to view the full PDF of as91001

THIRD ANGLE PROJECTION



ISSUED 2000-09

PREPARED BY SAE COMMITTEE E-25

PROCUREMENT SPECIFICATION: NONE

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space®
INTERNATIONAL
400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

NUT - HEX, BOSS CONNECTION, CRES

AS91001
SHEET 1 OF 3

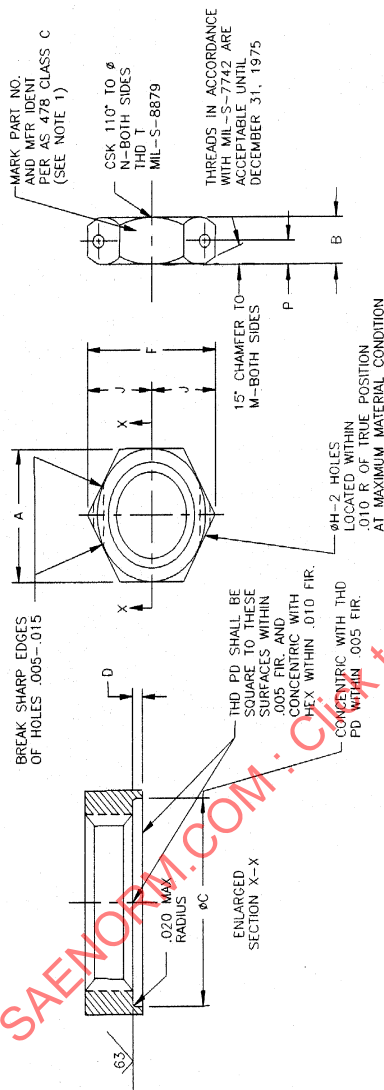


FIGURE 1. NUT

TABLE I. PART NUMBERS AND DIMENSIONS

PART NO.	NOM TUBE OD	THREAD T	A	B	ØC	D	F	ØH	J	ØM	ØN	P	APPROX WEIGHT LB/100
MS9100-02	.125	.3125-24UNJF-3B	.553-.564	.250	.483	.037	.631	.047	.240	.562	.322	.125	1.28
MS9100-03	.188	.375-24UNJF-3B	.616-.627	.250	.546	.037	.703	.047	.270	.625	.385	.125	1.50
MS9100-04	.250	.4375-20UNJF-3B	.679-.690	.281	.608	.042	.775	.047	.305	.688	.448	.140	1.98
MS9100-05	.312	.500-20UNJF-3B	.741-.752	.281	.670	.042	.846	.065	.340	.750	.510	.140	2.21
MS9100-06	.375	.5625-18UNJF-3B	.803-.814	.297	.733	.042	.916	.055	.370	.812	.572	.148	2.62
MS9100-07	.438	.625-18UNJF-3B	.865-.877	.297	.795	.042	.987	.055	.405	.875	.635	.148	2.93
MS9100-08	.500	.750-16UNJF-3B	.990-1.002	.344	.920	.042	1.130	.062	.470	1.000	.760	.172	4.10
MS9100-09	.562	.8125-16UNJF-3B	1.052-1.064	.344	.983	.042	1.200	.062	.500	1.062	.822	.172	4.38
MS9100-10	.625	.875-14UNJF-3B	1.114-1.127	.391	1.045	.054	1.271	.062	.540	1.125	.865	.195	5.49
MS9100-11	.688	1.000-12UNJF-3B	1.301-1.314	.438	1.210	.054	1.484	.070	.625	1.312	1.010	.219	8.83
MS9100-12	.750	1.0625-12UNJF-3B	1.364-1.377	.438	1.295	.054	1.556	.070	.680	1.375	1.072	.219	9.34
MS9100-14	.875	1.1875-12UNJF-3B	1.469-1.502	.438	1.417	.054	1.699	.070	.725	1.500	1.198	.219	10.50
MS9100-16	1.000	1.3125-12UNJF-3B	1.614-1.627	.438	1.541	.054	1.842	.070	.790	1.625	1.322	.219	11.65
MS9100-18	1.125	1.500-12UNJF-3B	1.800-1.814	.438	1.729	.054	2.054	.070	.890	1.812	1.510	.219	13.44
MS9100-20	1.250	1.625-12UNJF-3B	1.926-1.940	.438	1.854	.054	2.198	.070	.960	1.938	1.635	.219	14.76
MS9100-24	1.500	1.875-12UNJF-3B	2.176-2.190	.438	2.104	.054	2.483	.070	1.095	2.188	1.885	.219	17.36
MS9100-28	1.750	2.250-12UNJF-3B	2.549-2.564	.438	2.478	.054	2.908	.070	1.295	2.562	2.260	.219	21.46
MS9100-32	2.000	2.500-12UNJF-3B	2.798-2.814	.438	2.728	.054	3.194	.070	1.425	2.812	2.510	.219	24.40