

**AS9553**

## NOTICE

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS9553, NOTICE 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 MS9553, NOTICE 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 TECHNICAL REPORT.

SAENORM.COM : Click to view the full PDF of as9553

THIRD ANGLE PROJECTION



ISSUED 1998-10

PREPARED BY 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

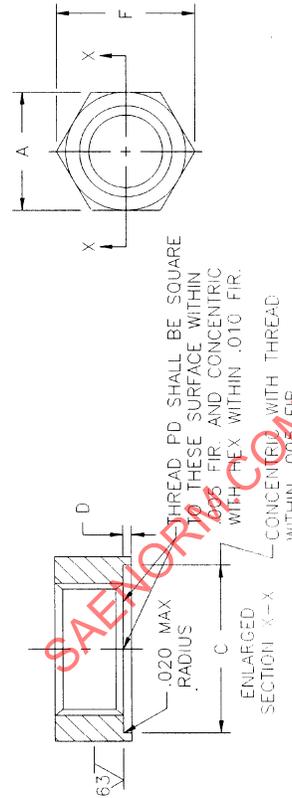
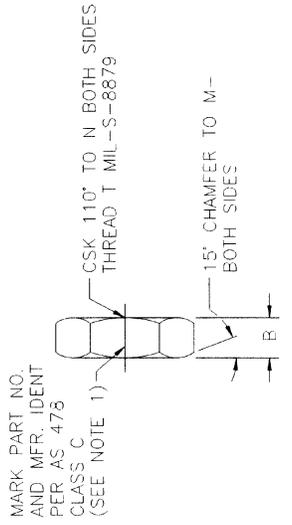
**AEROSPACE STANDARD**

NUT-HEX, BOSS CONNECTION, CRES

**AS9553**  
SHEET 1 OF 3

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.

AS9553



PART NO.	NOMINAL TUBE OD	THREAD T	A	B	C DIA ±.005	D ±.005	F MIN	M DIA	N DIA	APPROX WEIGHT LB/100
MS9553-02	.125	.3125-24UNJF-3B	.553-.564	.250	.483	.037	.631	.562	.322	1.31
MS9553-03	.180	.375-24UNJF-3B	.616-.627	.250	.546	.037	.703	.625	.385	1.53
MS9553-04	.250	.4375-20UNJF-3B	.679-.690	.281	.608	.042	.775	.688	.448	2.01
MS9553-05	.312	.500-20UNJF-3B	.741-.752	.281	.670	.042	.846	.750	.510	2.25
MS9553-06	.375	.5625-18UNJF-3B	.803-.814	.297	.733	.042	.916	.812	.572	2.66
MS9553-07	.438	.625-18UNJF-3B	.865-.877	.297	.795	.042	.987	.875	.635	2.97
MS9553-08	.500	.750-16UNJF-3B	.990-1.002	.344	.920	.042	1.130	1.000	.760	4.16
MS9553-09	.562	.8125-16UNJF-3B	1.052-1.064	.344	.983	.042	1.200	1.062	.822	4.44
MS9553-10	.625	.875-14UNJF-3B	1.114-1.127	.391	1.045	.054	1.271	1.125	.885	5.55
MS9553-11	.688	1.000-12UNJF-3B	1.301-1.314	.438	1.210	.054	1.484	1.312	1.010	8.92
MS9553-12	.750	1.0625-12UNJF-3B	1.364-1.377	.438	1.295	.054	1.556	1.375	1.072	9.43
MS9553-14	.875	1.1875-12UNJF-3B	1.489-1.502	.438	1.417	.054	1.699	1.500	1.198	10.60
MS9553-16	1.000	1.3125-12UNJF-3B	1.614-1.627	.438	1.541	.054	1.842	1.625	1.322	11.75
MS9553-18	1.125	1.500-12UNJF-3B	1.800-1.814	.438	1.729	.054	2.054	1.812	1.510	13.55
MS9553-20	1.250	1.625-12UNJF-3B	1.926-1.940	.438	1.854	.054	2.198	1.938	1.635	14.87
MS9553-24	1.500	1.875-12UNJF-3B	2.176-2.190	.438	2.104	.054	2.483	2.188	1.885	17.47
MS9553-28	1.750	2.250-12UNJF-3B	2.549-2.564	.438	2.478	.054	2.908	2.562	2.260	21.58
MS9553-32	2.000	2.500-12UNJF-3B	2.799-2.814	.438	2.728	.054	3.194	2.812	2.510	24.53