

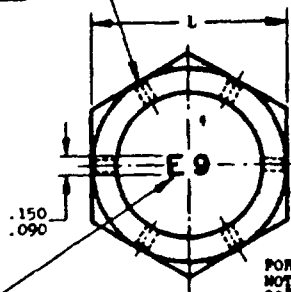
MS9015

Use activities:
Army - ME
Navy - MC, XM
DSA - CS

Review activities:
Army - MT
Air Force - 11
DSA - IS

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.

.070 DIA
CSK 90° TO .100 DIA
6 HOLES SPACED AS SHOWN

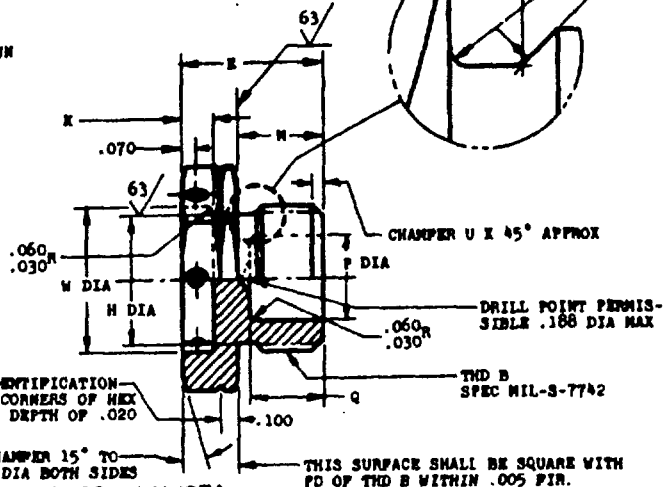


MATERIAL IDENTIFICATION RAISED OR DEPRESSED .010 MAX

INACTIVE FOR DESIGN AFTER 26 JULY 1974

FOR PARTS WITH MIL-S-8879 SCREW THREADS SEE MS9902 AND MS9954.

SECTION THRU
THREAD PROFILE



FED. SUP. CLASS.
8383

PART NO.	THD B	E	H +.002 -.003	J	K	L	M	P	Q	T +.015 -.000	U	V	W	APPROX WEIGHT LB EA
MS9015-01	.250-24 UNF-3A	.540	.196	.013	.130	.430-.439	.320	--	--	.063	.020-.050	.433	.250	.0105
MS9015-02	.3125-24 UNF-3A	.590	.230	.017	.130	.551-.564	.360	--	--	.063	.020-.050	.562	.312	.0184
MS9015-03	.375-24 UNF-3A	.520	.313	.019	.130	.616-.627	.360	--	--	.063	.020-.050	.625	.375	.0235
MS9015-04	.4375-20 UNF-3A	.640	.364	.021	.130	.679-.690	.400	--	--	.075	.030-.060	.668	.438	.0326
MS9015-05	.500-20 UNF-3A	.690	.427	.023	.130	.741-.752	.400	.219	.340	.075	.030-.060	.750	.500	.0357
MS9015-06	.5625-18 UNF-3A	.680	.482	.024	.130	.802-.814	.400	.219	.340	.083	.040-.070	.812	.562	.0492
MS9015-07	.625-18 UNF-3A	.730	.544	.026	.160	.865-.877	.440	.312	.380	.083	.040-.070	.875	.625	.0563
MS9015-08	.750-16 UNF-3A	.730	.660	.030	.160	.990-1.002	.440	.250	.400	.094	.040-.070	1.000	.750	.0305
MS9015-09	.8125-16 UN-1	.740	.722	.030	.160	1.052-1.064	.440	.312	.400	.094	.040-.070	1.062	.812	.0347
MS9015-10	.875-14 UNF-3A	.740	.773	.030	.160	1.114-1.127	.440	.375	.400	.107	.050-.080	1.125	.875	.0414
MS9015-11	1.000-12 UNF-3A	.780	.882	.030	.180	1.301-1.314	.440	.500	.400	.125	.050-.080	1.312	1.000	.0543
MS9015-12	1.0625-12 UN-3A	.830	.945	.030	.200	1.364-1.377	.480	.562	.400	.125	.050-.080	1.375	1.062	.0602
MS9015-14	1.1875-12 UN-3A	.830	1.070	.030	.200	1.409-1.502	.480	.688	.400	.125	.050-.080	1.500	1.188	.0680
MS9015-16	1.3125-12 UN-3A	.840	1.195	.030	.200	1.614-1.627	.480	.812	.400	.125	.050-.080	1.625	1.312	.0790
MS9015-18	1.500-12 UNF-3A	.840	1.382	.030	.200	1.738-1.752	.480	1.000	.400	.125	.050-.080	1.750	1.438	.0861
MS9015-20	1.625-12 UN-3A	.850	1.507	.030	.200	1.986-1.990	.480	1.125	.400	.125	.050-.080	1.938	1.625	.1058
MS9015-24	1.875-12 UN-3A	.880	1.756	.030	.200	2.176-2.190	.480	1.375	.400	.125	.050-.080	2.188	1.875	.1300
MS9015-28	2.125-12 UN-3A	.870	2.131	.030	.200	2.550-2.564	.480	1.750	.400	.125	.050-.080	2.562	2.250	.1715
MS9015-32	2.500-12 UN-3A	.870	2.381	.030	.200	2.800-2.814	.480	2.000	.400	.125	.050-.080	2.812	2.500	.2030

NOTE: (1) THE CONCENTRICITY OF THE HEXAGON WITH THE THREAD PD SHALL BE WITHIN J FIR.
(2) DIA H SHALL BE CONCENTRIC WITH THD PD WITHIN .005 FIR AND FREE FROM THD MARKS.

• USE MATERIAL CODE "M12" FOR ALUMINUM PLUGS.

MATERIAL: STEEL AMS 5024 FOR SIZES -01 THRU -07; ALUMINUM AMS 4120 FOR SIZES -08 AND UP.

FINISH: STEEL, CADMIUM PLATE AMS 2400; ALUMINUM, ANODIC TREATMENT AMS 2470. DO NOT DYE.

SURFACE ROUGHNESS: AS 891; 125 MICRONS UNLESS OTHERWISE SPECIFIED.

BREAK SHARP EDGES .003 - .015 UNLESS OTHERWISE SPECIFIED.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED: TOLERANCES: LINEAR DIMENSIONS ± .010, ANGULAR DIMENSIONS ± 2°.

DO NOT USE UNASSIGNED PART NUMBERS.

THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE ENGINE AND PROPELLER UTILITY PARTS COMMITTEE OF THE SAE.

P. A. Air Force - 62

Other Cus: Army - AV

Navy - AS

PERMANENT SPECIFICATION

NOTE

MILITARY STANDARD

PLUG, MACHINE THREAD-"O" RING SEAL

MS9015

SHEET 1 OF 1

NO FROM
1 001 50 283

Proj. No. 8345-0009

83 00178

APPROVED 4 Oct 54 REVISED 4 Jun 61 26 Jul 74