

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST REVISION DATE.

FORM 09-01

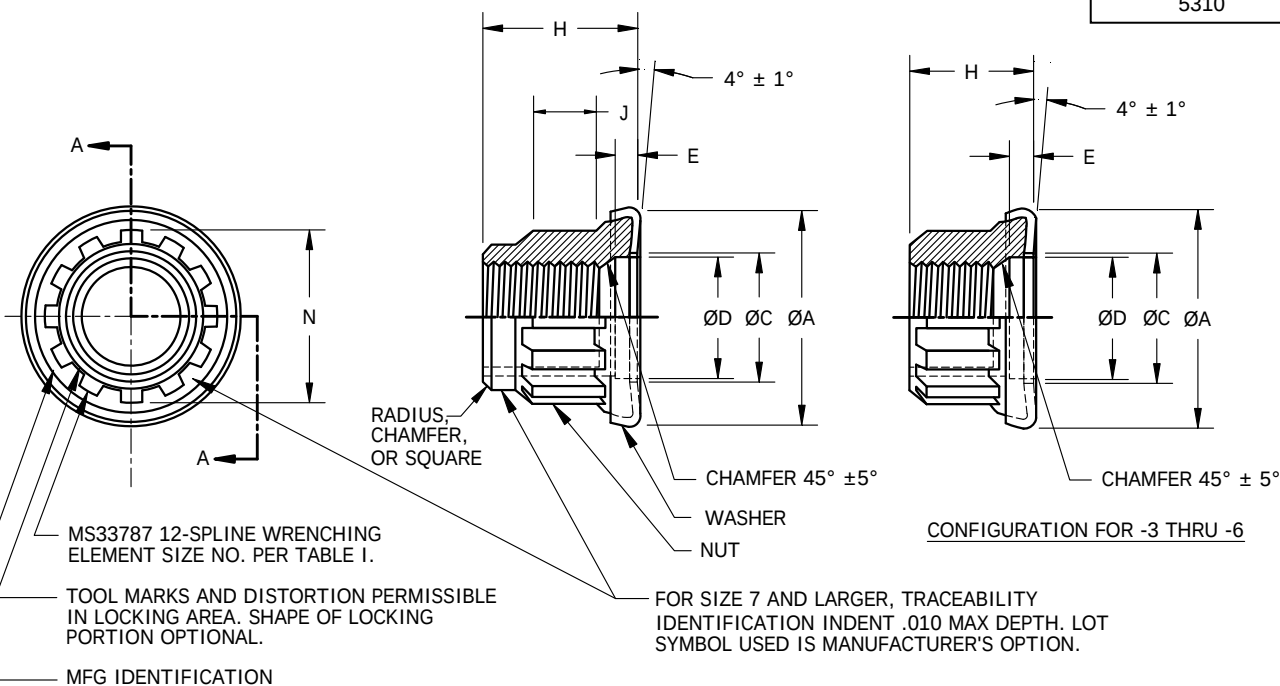


TABLE I – DIMENSIONS

SIZE DASH NO.	THREAD SIZE AS8879	MS33787 (12 SPLINE) ELEMENT NUMBER	ØA MAX	ØC ±.005	ØD ±.005	E +.010 −.005	H		J MIN	N MAX	X	Y	ULTIMATE AXIAL TENSILE STRENGTH LBF MIN /4/
							MAX	MIN					
3	.1900-32 UNJF-3B	8	.460	.288	.282	.077	.280	.260	.080	.308	.003	.004	4,970
4	.2500-28 UNJF-3B	10	.560	.353	.347	.077	.332	.312	.100	.381	.003	.004	8,890
5	.3125-24 UNJF-3B	12	.660	.418	.412	.077	.400	.380	.120	.456	.003	.005	14,100
6	.3750-24 UNJF-3B	14	.760	.485	.479	.077	.478	.458	.152	.531	.003	.006	20,900
7	.4375-20 UNJF-3B	18	.860	.552	.546	.077	.525	.505	.168	.679	.003	.008	28,300
8	.5000-20 UNJF-3B	20	1.000	.636	.621	.077	.603	.583	.190	.753	.003	.008	37,800
9	.5625-18 UNJF-3B	22	1.100	.765	.750	.087	.672	.652	.230	.828	.004	.009	47,900
10	.6250-18 UNJF-3B	24	1.310	.840	.825	.087	.734	.714	.250	.901	.004	.010	59,900
12	.7500-16 UNJF-3B	30	1.480	.987	.972	.092	.879	.859	.310	1.124	.004	.012	86,900
14	.8750-14 UNJF-3B	34	1.690	1.111	1.096	.097	1.012	.992	.350	1.270	.005	.014	119,000
16	1.0000-12 UNJF-3B	38	1.834	1.253	1.238	.097	1.140	1.120	.400	1.419	.006	.016	155,000
18	1.1250-12 UNJF-3B	44	2.100	1.425	1.410	.097	1.337	1.317	.450	1.641	.007	.019	198,000
20	1.2500-12 UNJF-3B	48	2.250	1.500	1.485	.097	1.524	1.504	.500	1.788	.007	.021	247,000
22	1.3750-12 UNJF-3B	52	2.480	1.650	1.635	.097	1.659	1.639	.550	1.937	.008	.023	301,000
24	1.5000-12 UNJF-3B	56	2.690	1.780	1.765	.097	1.847	1.827	.600	2.085	.008	.023	361,000

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-N-8922/1, REVISION A. PART NUMBERS REMAIN M8922/1.

THIRD ANGLE PROJECTION		CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NASM8922	TITLE NUT, SELF-LOCKING, ASSEMBLED WASHER, TOOL STEEL, 220 KSI Ft_u, 450 °F, 12-SPLINE WRENCHING ELEMENT	①	CLASSIFICATION PART STANDARD NASM8922-1 SHEET 1 OF 3

REVISION DATE: JULY 31, 2012

SSUE DATE: DECEMBER 1999

MATERIAL:

NUT MATERIAL, H-11 (UNS T20811) TOOL STEEL PER AMS6485 OR AMS6487.
WASHER MATERIAL, CARBON STEEL (UNS G10500) PER AMS5085.

HEAT TREATMENT:

THE NUT SHALL BE HEAT TREATED TO 40-45 HRC PER AMS2759.
THE WASHER HARDNESS SHALL BE 40-45 HRC, KNOOP (402-466).

FINISH:

THE NUT AND WASHER SHALL BE CADMIUM PLATED PER AMS-QQ-P-416, TYPE II, CLASS 2.

LUBRICATION:

THE NUT SHALL BE LUBRICATED WITH LUBRICANT PER AS5272, TYPE I.
CETYL ALCOHOL LUBRICANTS SHALL BE SOLUBLE IN THE CLEANER SPECIFIED IN MIL-L-87132 AS87132.

CODE:

"L" DENOTES DRY FILM LUBRICANT PER AS5272, TYPE I.
"–" DENOTES CETYL ALCOHOL LUBRICANT PER MIL-L-87132 AS87132.

EXAMPLE OF PART NUMBER:

M8922/1 L 4
NOMINAL NUT SIZE IN SIXTEENTHS OF AN INCH
"L" DENOTES DRY FILM LUBRICANT
BASIC PART NUMBER

NOTES:

- (1) APPLICATION CRITERIA. THE NUTS SHALL BE USED IN ACCORDANCE WITH THE LIMITATIONS OF NASM33588.
- (2) TOOLING: DURING INSTALLATION, WRENCHES IN ACCORDANCE WITH MIL-W-8982 SHALL BE USED FOR HAND OR POWER DRIVEN NUTS.
- (3) MILITARY INSTALLATION:
NAVY – NAVAIR-01-1A-8
AIR FORCE – T.O. 1-1A-8
- /4/ AXIAL TENSILE STRENGTH DETERMINED FROM FORMULA $W_a = F_t u A$. WHERE: A IS THE CROSS SECTIONAL AREA IN SQUARE INCHES, BASED ON THE MAXIMUM PITCH DIAMETER OF BOLT THREAD, $F_t u$ IS 220 KSI AND W_a IS THE AXIAL TENSILE STRENGTH IN POUNDS FORCE.

REVISION
1
NASM8922-1
SHEET 2

① COMPLETELY REVISED