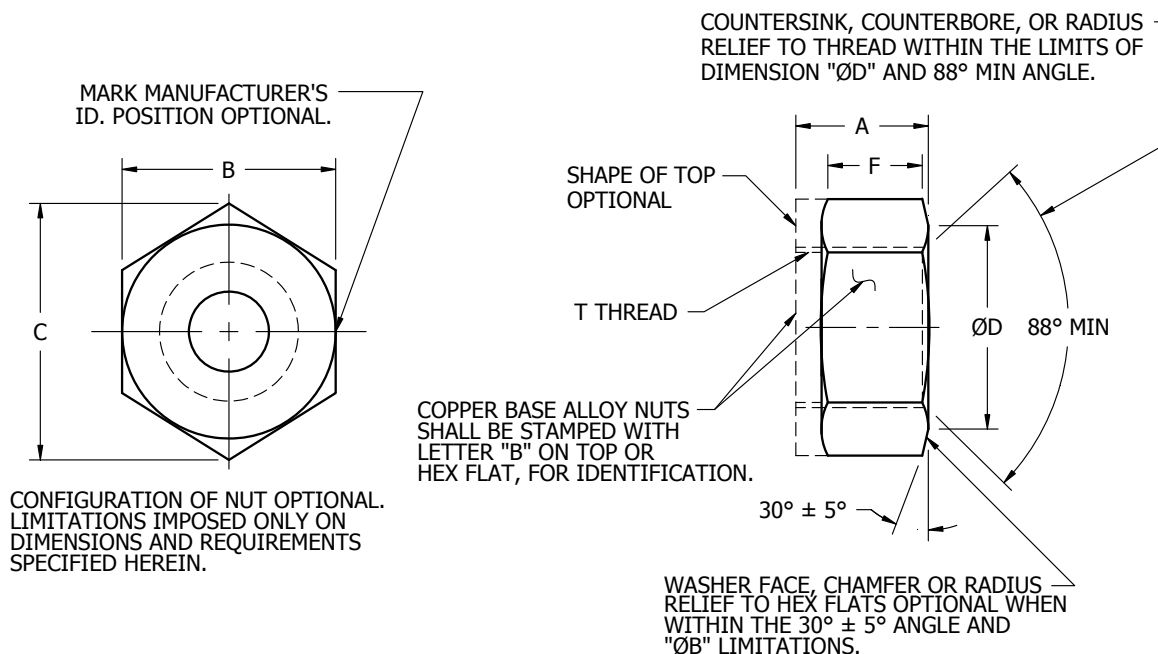


FED.SUPPLY CLASS

5310



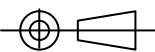
② COMPLETELY REVISED

TABLE I – DIMENSIONS

DASH NUMBERS				T THREAD AS8879	A		B /9/		C MIN	ØD +.020 -.010	F MIN	BEARING SURFACE SQUARE- NESS /8/
NON-METALLIC INSERT					MAX	MIN	MAX	MIN				
ALUM ALLOY	STEEL	COPPER BASE ALLOY	CRES									
D02	N02	B02	C02	.0860-56 UNJC-3B	.125	.094	.251	.243	.268	.131	.031	.004
D04	N04	B04	C04	.1120-40 UNJC-3B	.125	.094	.251	.243	.268	.131	.031	
D06	N06	B06	C06	.1380-32 UNJC-3B	.141	.110	.313	.305	.339	.156	.047	
D08	N08	B08	C08	.1640-32 UNJC-3B	.188	.157	.345	.336	.374	.183	.062	.006
D3	N3	B3	C3	.1900-32 UNJF-3B			.376	.367	.410	.210		
D4	N4	B4	C4	.2500-28 UNJF-3B	.219	.188	.439	.430	.482	.273	.094	.007
D5	N5	B5	C5	.3125-24 UNJF-3B	.266	.235	.502	.492	.552	.336		
D6	N6	B6	C6	.3750-24 UNJF-3B	.282	.251	.564	.553	.622	.398	.109	.008
D7	N7	B7	C7	.4375-20 UNJF-3B	.328	.298	.690	.679	.766	.458		
D8	N8	B8	C8	.5000-20 UNJF-3B			.752	.741	.837	.531	.009	
D9	N9	B9	C9	.5625-18 UNJF-3B	.375	.344	.877	.865	.978	.594	.125	.010
D10	N10	B10	C10	.6250-18 UNJF-3B	.407	.376	.940	.928	1.051	.656	.156	
D12	N12	B12	C12	.7500-16 UNJF-3B	.422	.391	1.064	1.052	1.191	.787	.172	
D14	N14	B14	C14	.8750-14 UNJF-3B	.485	.454	1.252	1.239	1.403	.913	.203	.011
D16	N16	B16	C16	1.0000-12 UNJF-3B	.578	.516	1.440	1.427	1.615	1.039	.250	.012
D18	N18	B18	C18	1.1250-12 UNJF-3B	.672	.610	1.627	1.614	1.826	1.166	.313	.013
D20	N20	B20	C20	1.2500-12 UNJF-3B	.766	.703	1.815	1.801	2.038	1.290	.328	.014
D22	N22	B22	C22	1.3750-12 UNJF-3B	.828	.766	2.008	1.973	2.249	1.447	.281	.015
D24	N24	B24	C24	1.5000-12 UNJF-3B			2.197	2.159	2.416	1.568	.328	.016

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21083, REVISION H. PART NUMBERS REMAIN MS21083.

THIRD
ANGLE
PROJECTION



CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION

2

PROCUREMENT SPECIFICATION

TITLE

**NUT, SELF-LOCKING, HEXAGON,
NON-METALLIC INSERT, LOW HEIGHT, 250 °F**

CLASSIFICATION
PART STANDARD

NASM21083
SHEET 1 OF 5

SHEET 1 OF 5

MATERIAL:

- STEEL:**
- 1006 (UNS G10060) PER ASTM A29/A29M, ASTM A510 OR ASTM A853.
 - 1008 (UNS G10080) PER ASTM A29/A29M, ASTM A510 OR ASTM A853.
 - 1009 (UNS G10090) PER SAE J118.
 - 1010 (UNS G10100) PER AMS5040, ASTM A29/A29M, ASTM A510 OR ASTM A853.
 - 1018 (UNS G10180) PER AMS5069, ASTM A29/A29M, ASTM A510 OR ASTM A853.
 - 1035 (UNS G10350) PER AMS5080, ASTM A29/A29M, ASTM A510 OR ASTM A853.
 - 1137 (UNS G11370) PER AMS5024 OR ASTM A29/A29M.
 - 11L37 (UNS G11374) PER AMS5020 OR ASTM A29/A29M.
 - 1213 (UNS G12130) PER SAE J403 OR ASTM A29/A29M.
 - 12L14 (UNS G12144) PER SAE J403 OR ASTM A108.
 - 1215 (UNS G12150) PER AMS5010.
- CRES:**
- 302 (UNS S30200) PER AMS5688, AMS5636, AMS5637, OR AMS-QQ-S-763.
 - 303 (UNS S30300) PER AMS5640, ASTM A581, OR ASTM A582.
 - 304 (UNS S30400) PER AMS5647, AMS5639 OR AMS-QQ-S-763
 - 304HN (UNS S30452) PER ASTM A276, OR AMS-QQ-S-763.
 - 304L (UNS S30430) PER ASTM A493, AMS5647 OR AMS-QQ-S-763.
- ALUMINUM ALLOY:**
- 2014-T6 (UNS A92014) PER AMS-QQ-A-200/2, AMS-QQ-A-225/4, OR AMS4121.
 - 2017-T4 (UNS A92017) PER AMS-QQ-A-225/5 OR AMS4118.
 - 2024-T6 OR T4 (UNS A92024) PER AMS-QQ-A-225/6 OR AMS4120.
 - 7075-T6 OR T651 (UNS A97075) PER AMS-QQ-A-200/11, AMS-QQ-A-225/9, OR AMS4123.
- BRASS:**
- CA 360 (UNS C36000), 1/2 HARD.
 - CA 260 (UNS C26000) PER ASTM B36/B36M, ~~ASTM B121~~, ~~ASTM A829~~, AMS4610 OR ASTM B16/B16M.
- NON-METALLIC INSERT:** NYLON PER ASTM D4066, GROUP 1, CLASS 1 OR 2.

FINISH:

- STEEL AND COPPER BASE ALLOY NUTS:** CADMIUM PLATED IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2.
- CRES NUTS:** PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 1, CLASS 4.
- ALUMINUM ALLOY NUTS:** ANODIZE OR CHEMICALLY SURFACE TREAT IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
- ALUMINUM ALLOY NUTS:** IN SIZES .0860-56 THRU .1900-32 DYED BLUE PER PROCUREMENT SPECIFICATION.

LUBRICATION:

- LUBRICANT APPROVED IN ACCORDANCE WITH NASM25027; LUBRICANTS SHALL BE SOLUBLE IN THE CLEANER SPECIFIED IN THE PROCUREMENT SPECIFICATION.

② COMPLETELY REVISED

REVISION
2
NASM21083
SHEET 2

