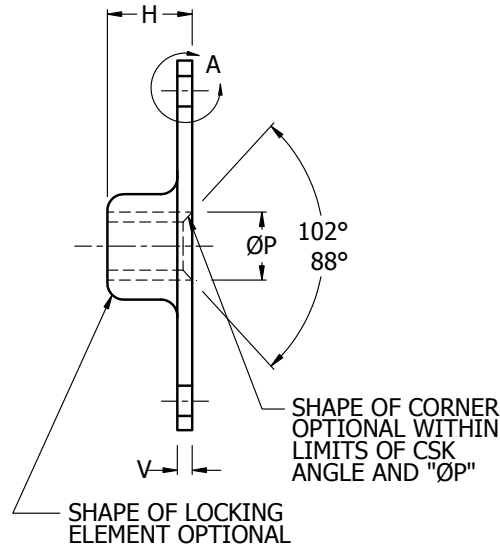
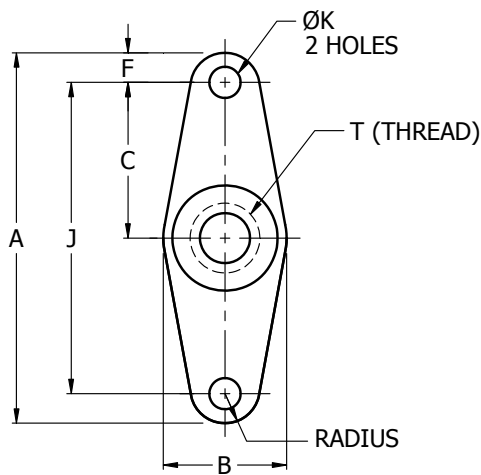


FED. SUPPLY CLASS

5310

① COMPLETELY REVISED

TABLE I – DASH NUMBERS AND DIMENSIONS

DASH NO		T THREAD SIZES	A MAX	B		C ± .005	F MIN	ØG ± .010	H		J ± .002 /2/	ØK +.005 -.000 /3/	ØP		V MAX	AXIAL STRENGTH LBS/MIN	APPROX WEIGHT LBS/100
PLAIN HOLES	CSK OR DIMPLED HOLES /1/			MAX	MIN				MAX	MIN			MAX	MIN			
04	04K	.1120-40 UNJC-3B	.984	.406	.375	.344	.115	.200	.218	.133	.688	.098	.151	.112	.075	750	.80
06	06K	.1380-32 UNJC-3B	.984	.406	.375	.344	.115	.200	.234	.160	.688	.098	.177	.138	.075	1,130	.85
08	08K	.1640-32 UNJC-3B	.984	.406	.375	.344	.115	.200	.297	.219	.688	.098	.230	.164	.075	1,720	1.00
3	3K	.1900-32 UNJF-3B	.984	.406	.375	.344	.115	.200	.312	.234	.688	.098	.230	.190	.075	2,460	1.00
4	4K	.2500-28 UNJF-3B	1.296	.516	.484	.500	.115	.200	.375	.240	1.000	.098	.293	.250	.075	4,580	1.60
5	5K	.3125-24 UNJF-3B	1.296	.531	.500	.500	.115	.230	.375	.271	1.000	.130	.356	.312	.075	7,390	1.90
6	6K	.3750-24 UNJF-3B	1.296	.641	.609	.500	.115	.230	.453	.318	1.000	.130	.418	.375	.115	11,450	2.50
7	-	.4375-20 UNJF-3B	1.477	.719	.672	.562	.135	/1/	.469	.435	1.125	.161	.487	.437	.115	15,450	3.00
8	-	.5000-20 UNJF-3B	1.602	.859	.796	.625	.135	/1/	.609	.575	1.250	.161	.550	.500	.115	21,110	4.80
9	-	.5625-18 UNJF-3B	1.727	.953	.902	.688	.135	/1/	.656	.623	1.375	.161	.613	.562	.115	26,810	7.70
10	-	.6250-18 UNJF-3B	1.852	1.016	.964	.750	.135	/1/	.765	.732	1.500	.161	.676	.625	.115	34,130	8.60

MATERIAL:

NUT:

CARBON STEEL – 1110 (UNS 11100), 1040 (UNS G10400) PER ASTM A29/A29M; 1018 (UNS G10180) PER AMS5069; 1137 (UNS G11370) PER AMS5024; OR 11L37 (UNS G11374) PER AMS5020.
ALLOY STEEL– 4130 (UNS G41300), PER AMS6350 OR AMS6370; 4340 (UNS G43400) PER ASTM A29/A29M; OR GRADE 8740 (UNS G87400) PER ASTM A29/A29M OR AMS6322.

INSERT:

NON-METALLIC, NYLON PER ASTM D4066, GROUP 1, CLASS 1 OR 2.

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21078, REVISION G, AMENDMENT 2. PART NUMBERS REMAIN MS21078.

THIRD ANGLE PROJECTION	
PROCUREMENT SPECIFICATION	
NASM25027	

CUSTODIAN	
NATIONAL AEROSPACE STANDARDS COMMITTEE	
TITLE	
NUT, SELF-LOCKING, PLATE, TWO LUG, NON-METALLIC INSERT, STEEL, 125 KSI Ft _u , 250 °F	

REVISION	1
CLASSIFICATION PART STANDARD	
NASM21078	
SHEET 1 OF 3	

FINISH:

CADMIUM PLATE IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2.

CODE:

THE PART NUMBER SHALL CONSIST OF THE BASIC PART NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE I.

EXAMPLE OF PART NUMBER:

MS21078 - 4 = NUT, SELF-LOCKING, PLATE, TWO LUG, NON-METALLIC INSERT, STEEL: 125 KSI Ft_u, 250 °F; .2500-28 UNJF-3B; PLAIN HOLES.

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└───┬───┐
└───┬───┐
DASH NUMBER
BASIC MS NUMBER

NOTES:

- /1/ NO COUNTERSUNK OR DIMPLED RIVET TYPE AVAILABLE FOR SIZES .4375 THRU .6250.
- /2/ THE CENTER OF THE TAPPED HOLE SHALL NOT DEVIATE IN ANY DIRECTION FROM THE CENTER OF THE PLATE NUT AS DETERMINED BY THE RIVET HOLES, BY MORE THAN .005.
- /3/ DIMPLED RIVET HOLE TOLERANCE FOR "ØK" IS +.015/-.000.
- (4) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (5) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (6) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (7) DESIGN AND USAGE LIMITATIONS: THESE NUTS ARE DESIGNED TO DEVELOP THE TENSILE STRENGTH OF BOLTS AND SCREWS WITH AN ULTIMATE TENSILE STRENGTH OF 125 KSI BASED ON THE CROSS SECTION AREA AT THE BASIC ROOT DIAMETER OF THE THREADS. THESE NUTS ARE DESIGNED TO BE USED ON 3A EXTERNAL THREADS. THESE NUTS SHALL BE USED IN ACCORDANCE WITH THE LIMITATIONS OF NASM33588. ~~ONLY NUTS FOR WHICH THERE ARE QUALIFIED PRODUCTS LISTED ON QPL 25027 SHALL BE USED.~~
- (8) NASM21078 SUPERSEDES NAS366 AND NAS1023 IN PART.
- (9) HARDNESS: 35 HRC, MAXIMUM.
- (10) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (11) VIBRATION LIFE: MINIMUM VIBRATION LIFE SHALL BE THREE TIMES THE AVERAGE VIBRATION LIFE IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
- (12) THREADS BEFORE LUBRICATION IN ACCORDANCE WITH AS8879.

REVISION
1
NASM21078
SHEET 2

① COMPLETELY REVISED



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