Form Approved
OMB No. 0704-0188

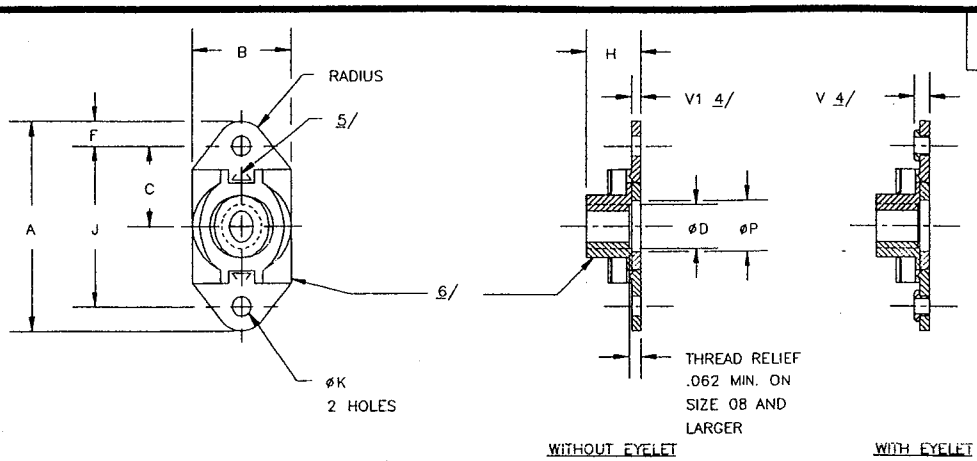

TABLE I. DASH NUMBERS AND DIMENSIONS.

DASH NO	1/ THREAD SIZE	A	B		C	øD	F	H	J	K	øP 2/	
		MAX	MAX	MIN	±.005		MIN	MAX	±.002	+.005 −.000	MAX	MIN
-04	.1120-40UNJC-3B	.651	.315	.275	.203		.070	.153	.406	.098	.270	.152
-06	.1380-32UNJC-3B	.682	.357	.290	.218		.070	.171	.437	.098	.270	.178
-08	.1640-32UNJC-3B	.707	.367	.290	.234	.168	.100	.250	.468	.098	.270	.204
-3	.1900-32UNJF-3B	.739	.416	.290	.250	.194	.100	.250	.500	.098	.270	.230
-4	.2500-28UNJF-3B	.801	.500	.350	.281	.254	.100	.281	.562	.098	.330	.290
-5	.3125-24UNJF-3B	1.010	.581	.412	.359	.317	.117	.328	.718	.130	.392	.352

DASH NO	V 4/		V1 4/		AXIAL STRENGTH LBS. MIN	WEIGHT LBS/100 MAX
	MAX	MIN	MAX	MIN		
-04	.140	.075	.090	.016	750	.25
-06	.140	.075	.090	.020	1130	.32
-08	.140	.075	.090	.025	1720	.36
-3	.140	.075	.090	.025	2460	.39
-4	.140	.085	.090	.027	4580	.69
-5	.160	.095	.105	.032	7390	1.10

1/ THREADS BEFORE LUBRICATION PER MIL-S-8879.
2/ MINIMUM "H" NOT SPECIFIED, LIMITED ONLY BY STRENGTH REQUIREMENTS.
3/ DASH NO. 06 AND SMALLER MAY BE COUNTERSUNK OR RADIUSED WITHIN "øP".
4/ 'V' DIMENSION RANGE APPLIES TO "EYELET" CONFIGURATION.
'V1' DIMENSION RANGE APPLIES TO "WITHOUT EYELET" CONFIGURATION.
5/ MANUFACTURER'S IDENTIFICATION PER MIL-C-1291, LOCATION OPTIONAL.
6/ SHAPE WITHIN ENVELOPE OPTIONAL.

(H) DENOTES CHANGE(S)

INCH-POUND

PREPARING ACTIVITY: DLA-IS
CUSTODIANS: ARMY- AV NAVY- AS
AIR FORCE- 99 DLA-
REVIEW: AR, ER, MI, OS, SH, 82 (H)
USER:
PROJECT NUMBER: 5310-2047

MILITARY SPECIFICATION SHEET

TITLE
NUT, SELF-LOCKING, PLATE, TWO LUG, FLOATING, REDUCED RIVET SPACING, LOW HEIGHT, STEEL, 125 KSI Ftu, 450° F

SPECIFICATION SHEET NUMBER
MS21075 28 MAR 95 REV H

SUPERSEDING
MS21075 G 1 FEB 94 (SEE NOTE 5.)

AMSC- N/A FSC 5310

DISTRIBUTION STATEMENT
A. Approved for public release; distribution is unlimited.

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THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-N-25027

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

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REQUIREMENTS:

1. MATERIAL: STEEL, GRADE 1035 (UNS G10350) PER AMS 5080, GRADE 1050 (UNS G10500) PER AMS 5085, GRADE 4130 (UNS G41300) PER AMS 6350, GRADE 1040 (UNS G10400) PER ASTM A682. GRADE 1042 (UNS G10420 PER ASTM A576, GRADE 4340 (UNS G43400) PER AMS 6359 AND GRADE 8740 (UNS G8740) PER AMS 6322.
2. FINISH: CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2. THE PLATING TYPE AND CLASS OF DRY FILM LUBRICATED NUTS ARE OPTIONAL IF THE NUTS MEET THE SALT SPRAY REQUIREMENTS OF QQ-P-416, TYPE II.
3. DIMENSIONING AND TOLERANCING: DIMENSIONING AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI Y14.5M.
4. HARDNESS: 49 HRC MAX.
5. THREADS: THREADS IN ACCORDANCE WITH MIL-S-8879.
6. SURFACE TEXTURE: IN ACCORDANCE WITH ANSI/ASMF B46.1. UNLESS OTHERWISE SPECIFIED, THE SURFACE ROUGHNESS SHALL NOT EXCEED 125 MICRO INCHES.
7. LUBRICANT: DRY FILM LUBRICANT APPROVED IN ACCORDANCE WITH MIL-N-25027. OTHER LUBRICANTS SOLUBLE IN THE CLEANER SPECIFIED IN MIL-S-8802.
8. EDGES: BREAK ALL SHARP EDGES AND REMOVE ALL BURRS.
(H) 9. FLOAT: FLOAT OF THE NUT PORTION OF ASSEMBLY SHALL NOT BE LESS THAN .020 LATERALLY AND LONGITUDINALLY FROM CENTERED POSITION. NUT BODY SHALL BE CAPABLE OF ENGAGEMENT WITH A BOLT IN MAXIMUM MISALIGNED POSITION. MAXIMUM AXIAL FLOAT .020 INCHES FOR .190 AND SMALLER, .030 FOR .250 AND LARGER. NUT MISALIGNMENT SHALL NOT EXCEED DIMENSION "B". THE NUT AND BASE PORTION OF THE ASSEMBLY SHALL FORM ONE INTEGRAL UNIT AND THE SURFACE ASSEMBLY SHALL PROVIDE A BEARING FOR THE NUT.
10. PART NUMBER:

MS21075 L 4 E = NUT, SELF-LOCKING, WITH DRY FILM LUBRICANT, .2500-28

- UNJF-3B, WITH EYELETS
- "E" DENOTES WITH EYELETS; "N" DENOTES WITHOUT EYELETS;
- ABSENCE OF "E" OR "N" DENOTES WITH/WITHOUT EYELETS (INACTIVE FOR NEW DESIGN)
- DENOTES THREAD SIZE DASH NUMBER
- "L" DENOTES DRY FILM LUBE
- "-" DENOTES NON DRY FILM LUBE
- BASIC MILITARY STANDARD NUMBER

NOTES:

1. DIMENSIONS IN INCHES.
(H) 2. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS DOCUMENT AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS DOCUMENT SHALL TAKE PRECEDENCE.
(H) 3. UNLESS OTHERWISE SPECIFIED, ISSUES OF REFERENCED DOCUMENTS ARE THOSE IN EFFECT AT THE TIME OF SOLICITATION.
4. 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 SECTIONAL AREA AT THE BASIC PITCH DIAMETER OF THE THREAD. THESE NUTS ARE DESIGNED TO BE USED ON 3A EXTERNAL THREADS. THESE NUTS SHALL BE USED IN ACCORDANCE WITH THE LIMITATIONS OF MS33588. ONLY NUTS FOR WHICH THERE ARE QUALIFIED PRODUCTS LISTED ON QPL 25027 SHALL BE USED.
5. MS21075 SUPERSEDES NAS 1068.

INTERCHANGEABILITY RELATIONSHIP

MS21075 NUTS CAN UNIVERSALLY REPLACE NAS 1068 NUTS OF LIKE MATERIAL, THREAD SIZE, LUBRICANTS (DRY OR NON DRY FILM), AND RIVET SPACING; BUT NAS 1068 NUTS, CANNOT UNIVERSALLY REPLACE MS21075 NUTS.

PREPARING ACTIVITY: DLA-IS CUSTODIANS: ARMY- AV NAVY- AS AIR FORCE- 99 DLA- REVIEW: AR, ER, MI, OS, SH, 82 (H) USER: PROJECT NUMBER: 5310-2047	MILITARY SPECIFICATION SHEET TITLE NUT, SELF-LOCKING, PLATE, TWO LUG, FLOATING, REDUCED RIVET SPACING, LOW HEIGHT, STEEL, 125 KSI Ftu, 450° F	SPECIFICATION SHEET NUMBER MS21075 28 MAR 95 REV H SUPERSEDING MS21075 G 1 FEB 94 (SEE NOTE 5.) AMSC- N/A FSC 5310
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