

FED. SUPPLY CLASS

5310

CONFIGURATION OF NUT OPTIONAL WITHIN THE LIMITATIONS IMPOSED BY DIMENSIONS AND REQUIREMENTS SPECIFIED HEREIN.

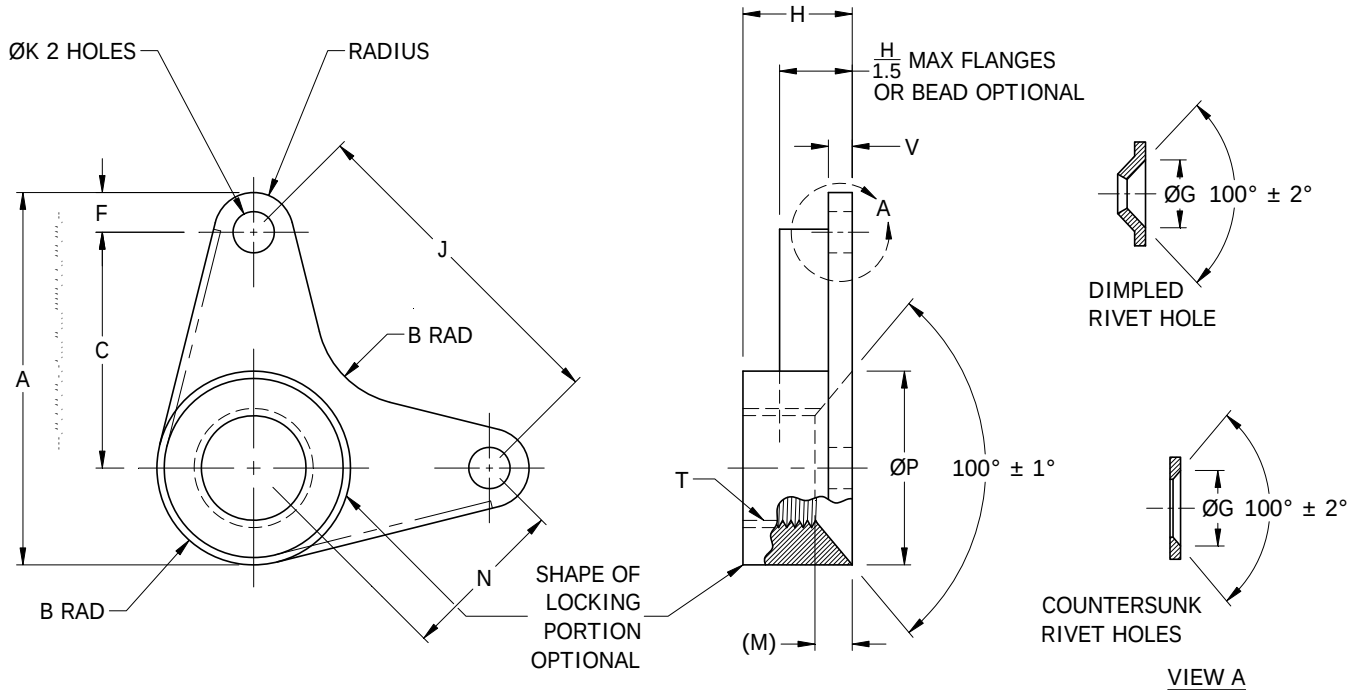
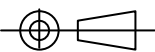


TABLE I – DIMENSIONS AND STRENGTH VALUES

DASH NUMBERS				T THREAD SIZES /7/	A MAX	B RAD		C ±.005	F MIN	ØG ±.010
450 °F NON-DRY FILM LUBRICATED		450 °F DRY FILM LUBRICATED				MAX	MIN			
PLAIN HOLES	CSK OR DIMPLED HOLES	PLAIN HOLES	CSK OR DIMPLED HOLES							
-08	-08K	L08	L08K	.1640-32 UNJC-3B	.700	.211	.180	.344	.100	.200
-3	-3K	L3	L3K	.1900-32 UNJF-3B	.716	.227	.203	.344	.100	.200
-4	-4K	L4	L4K	.2500-28 UNJF-3B	.955	.310	.267	.500	.100	.200
-5	-5K	L5	L5K	.3125-24 UNJF-3B	1.044	.383	.340	.500	.125	.230

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21057, REVISION G. PART NUMBERS REMAIN MS21057.

THIRD
ANGLE
PROJECTION



CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION

2

PROCUREMENT
SPECIFICATION

TITLE

CLASSIFICATION
PART STANDARD

NASM25027

**NUT, SELF-LOCKING, PLATE, CORNER, 100° CSK,
LOW HEIGHT, ALLOY STEEL, 125 KSI Ft_u, 450 °F**

NASM21057
SHEET 1 OF 3



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TABLE I – DIMENSIONS AND STRENGTH VALUES (CONTINUED)

2

DASH NUMBERS				H	J	ØK	(M)	N	ØP	V	AXIAL	WEIGHT
450 °F NON-DRY FILM LUBRICATED		450 °F DRY FILM LUBRICATED		/11/ MAX	/12/ ±.002	/13/ +.005 –.000		MAX	±.005	MAX	STRENGTH LBF MIN	LBS/100
PLAIN HOLES	CSK OR DIMPLED HOLES	PLAIN HOLES	CSK OR DIMPLED HOLES									
-08	-08K	L08	L08K	.272	.486	.098	.084	.270	.365	.047	1,720	.39
-3	-3K	L3	L3K	.281	.486	.098	.093	.270	.411	.047	2,460	.41
-4	-4K	L4	L4K	.340	.707	.098	.121	.383	.540	.055	4,580	.88
-5	-5K	L5	L5K	.422	.707	.130	.156	.383	.686	.065	7,390	1.17

MATERIAL: CARBON STEEL - 1035 (UNS G10350), 1040 (UNS G10400) AND 1050 (UNS G10500) IN ACCORDANCE WITH ASTM A827/A827M OR ~~QQ-S-700~~ ASTM A684/A684M.
- 1042 (UNS G10420) IN ACCORDANCE WITH ASTM A29/A29M.
ALLOY STEEL - 4130 (UNS G41300), 4340 (UNS G43400) OR 8740 (UNS G87400) IN ACCORDANCE WITH ASTM A29/A29M.

HARDNESS: 49 HRC, MAX.

FINISH: CADMIUM PLATE IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2.
FOR DRY FILM LUBRICATED NUTS, THE TYPE AND CLASS ARE OPTIONAL IF THE NUTS MEET THE SALT SPRAY REQUIREMENTS OF AMS-QQ-P-416, TYPE II.

LUBRICANT: DRY FILM LUBRICANT APPROVED IN ACCORDANCE WITH NASM25027.
NON-DRY FILM LUBRICANTS SHALL BE SOLUBLE IN THE CLEANER SPECIFIED IN AMS-S-8802.

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

EXAMPLE OF PART NUMBER:

MS21057 L4K
└──┬── DASH NUMBER
└──┬── BASIC MS NUMBER

MS21057L4K = NUT, SELF-LOCKING, PLATE, CORNER, 100° CSK, LOW HEIGHT, ALLOY STEEL, 125 KSI F_{tu}, 450 °F, .2500-28 UNJF-3B, DRY FILM LUBRICANT, COUNTERSUNK OR DIMPLED HOLES.

NOTES:

- (1) ALL DIMENSIONS ARE IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
- (2) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- 2 (3) 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.

REVISION

2

NASM21057

SHEET 2



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