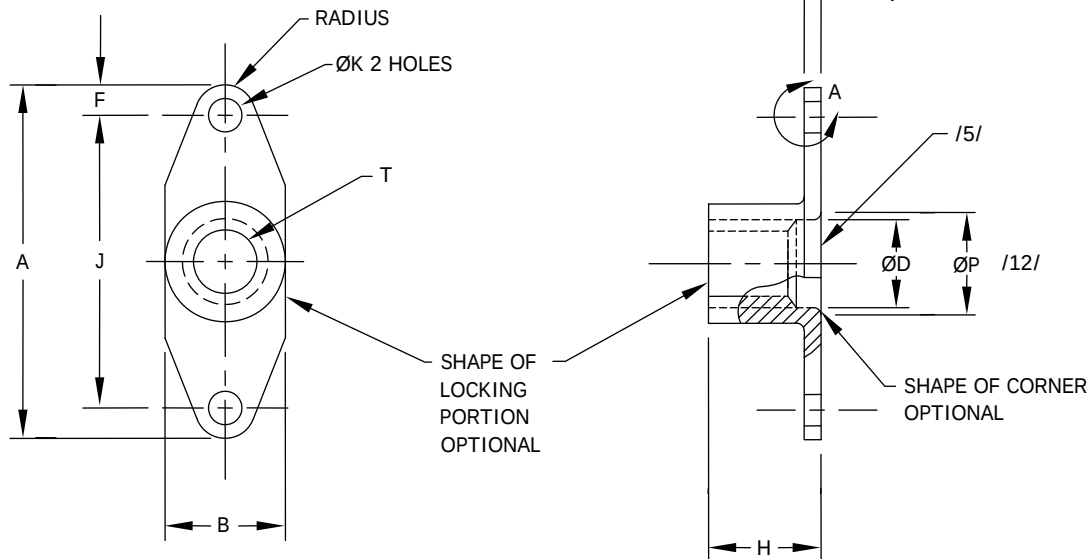
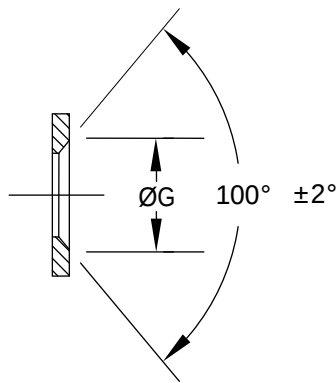
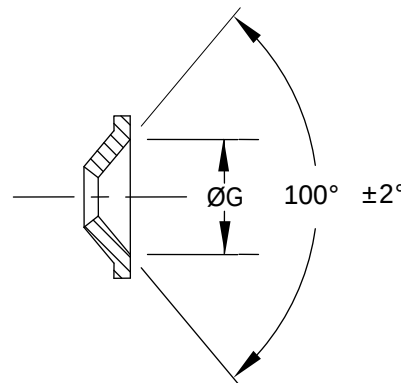




CONFIGURATION OF NUT OPTIONAL WITHIN
THE LIMITATIONS IMPOSED BY DIMENSIONS
AND REQUIREMENTS AS SPECIFIED HEREIN



COUNTERSUNK
RIVET HOLE



DIMPLED
RIVET HOLE

VIEW A

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21069, REVISION G. PART NUMBERS REMAIN MS21069.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION NASM25027	TITLE NUT, SELF-LOCKING, PLATE, TWO-LUG, REDUCED RIVET SPACING, LOW HEIGHT, STEEL, 125 KSI F_{tu}, 450 °F	CLASSIFICATION PART STANDARD NASM21069 SHEET 1 OF 3

(2) TABLE I – DASH NUMBERS AND DIMENSIONS

DASH NUMBERS				T THREAD SIZES	A MAX	B		ØD MIN	F MIN	ØG ±.010	H MAX /1/	J ±.002 /2/	ØK +.005 −.000 /3/	ØP MAX	V MAX	AXIAL STRENGTH LBF MIN	WEIGHT LBS/100
PLAIN RIVET HOLES		COUNTERSUNK OR DIMPLED RIVET HOLES				MAX	MIN										
NON-DRY FILM LUBRICANT	DRY FILM LUBRICANT	NON-DRY FILM LUBRICANT	DRY FILM LUBRICANT														
-02	L02	—	—	.0860-56 UNJC-3B	.410	.162	.140	—	.071	/4/	.110	.250	.066	.130	.035	440	.05
-03	L03	—	—	.0990-48 UNJC-3B	.425	.184	.140	—	.071	/4/	.125	.265	.066	.143	.035	550	.08
-04	L04	-04K	L04K	.1120-40 UNJC-3B	.630	.260	.140	—	.089	.200	.143	.406	.098	.166	.040	750	.11
-06	L06	-06K	L06K	.1380-32 UNJC-3B	.661	.265	.195	—	.089	.200	.171	.437	.098	.206	.047	1,130	.14
-08	L08	-08K	L08K	.1640-32 UNJC-3B	.692	.297	.230	.168	.100	.200	.250	.468	.098	.248	.047	1,720	.18
-3	L3	-3K	L3K	.1900-32 UNJF-3B	.724	.328	.298	.194	.100	.200	.250	.500	.098	.274	.047	2,460	.26
-4	L4	-4K	L4K	.2500-28 UNJF-3B	.786	.414	.380	.254	.100	.200	.281	.562	.098	.344	.055	4,580	.40
-5	L5	-5K	L5K	.3125-24 UNJF-3B	1.006	.505	.475	.317	.125	.230	.328	.718	.130	.417	.065	7,390	.77
-6	L6	—	—	.3750-24 UNJF-3B	1.116	.614	.580	.379	.125	.230	.344	.828	.130	.505	.075	11,450	1.86

MATERIAL: CARBON STEEL - COMPOSITIONS 1035 (UNS G10350), 1040 (UNS G10400) AND 1050 (UNS G10500), IN ACCORDANCE WITH ASTM A827/A827M OR AMS-QQ-S-700; 1042 (UNS G10420), IN ACCORDANCE WITH ASTM A29/A29M. (2)

ALLOY STEEL - GRADES 4130 (UNS G41300), 4340 (UNS G43400) AND 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 3. 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.

LUBRICATION:

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

EXAMPLE OF PART NUMBER:

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

EXAMPLE: MS21069 L4K

DASH NUMBER FROM TABLE I
BASIC MS NUMBER

(2) MS21069L4K = NUT, SELF LOCKING, PLATE, TWO LUG, REDUCED RIVET SPACING, LOW HEIGHT, STEEL; 125KSI Ft_u, 450 °F; .2500-28 UNJF-3B; DRY FILM LUBRICATION; COUNTERSUNK OR DIMPLED RIVET HOLES.

NOTES:

- /1/ MINIMUM "H" NOT SPECIFIED, LIMITED ONLY BY STRENGTH REQUIREMENTS OF SPECIFICATION.
- /2/ 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/ SPACE WILL NOT PERMIT COUNTERSINK.
- /5/ REMOVE ALL BURRS AND SHARP EDGES.

REVISION

2

NASM21069
SHEET 2



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