

FED. SUPPLY CLASS

5310

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

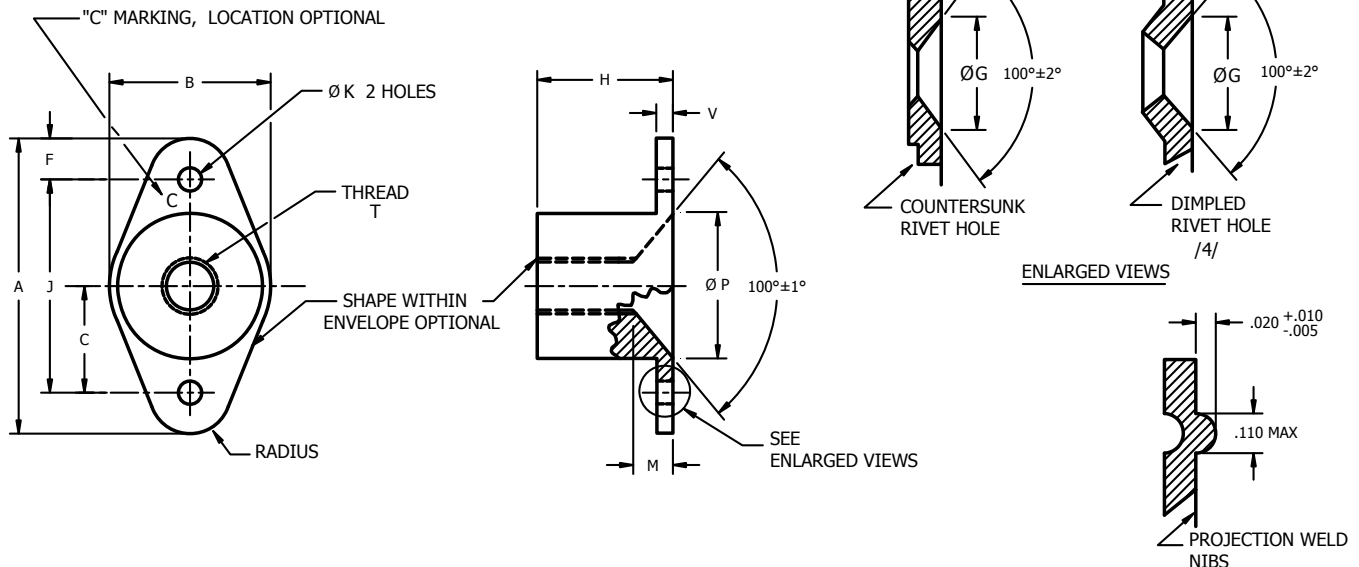


TABLE I – DIMENSIONS

T THREAD SIZE /1/	A MAX	B MAX MIN	C ±.005	F MIN	Ø G ±.010	H MAX /2/	J ±.002 /3/	Ø K DIA +.005 -.000	(M)	Ø P ±.005	V MATERIAL MAX	AXIAL STRENGTH LBF MIN	WEIGHT POUNDS/100 MAX
.1640-32 UNJC-3B	.948	.442 .360	.344	.100	.200	.272	.688	.098	.084	.365	.047	1,720	.39
.1900-32 UNJF-3B	.948	.453 .406	.344	.100	.200	.281	.688	.098	.093	.411	.047	2,460	.41
.2500-28 UNJF-3B	1.260	.619 .535	.500	.100	.200	.340	1.000	.098	.121	.540	.055	4,580	.88
.3125-24 UNJF-3B	1.292	.766 .681	.500	.125	.230	.422	1.000	.130	.156	.686	.065	7,390	1.17

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TABLE II – DASH NUMBERS

T THREAD SIZE	DASH NUMBERS								
	450 °F SOLID FILM LUBRICANT			800 °F SILVER PLATE			800 °F SOLID FILM LUBRICANT		
	PLAIN HOLES	CSK OR DIMPLED HOLES	WELDING PROJECTION	PLAIN HOLES	CSK OR DIMPLED HOLES	WELDING PROJECTION	PLAIN HOLES	CSK OR DIMPLED HOLES	WELDING PROJECTION
.1640-32 UNJC-3B	L08	L08K	L08W	-08	-08K	-08W	H08	H08K	H08W
.1900-32 UNJF-3B	L3	L3K	L3W	-3	-3K	-3W	H3	H3K	H3W
.2500-28 UNJF-3B	L4	L4K	L4W	-4	-4K	-4W	H4	H4K	H4W
.3125-24 UNJF-3B	L5	L5K	L5W	-5	-5K	-5W	H5	H5K	H5W

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21050, REVISION D. PART NUMBERS REMAIN MS21050.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION NASM25027	TITLE NUT, SELF-LOCKING, PLATE, TWO LUG, 100° CSK, LOW HEIGHT, CRES, 125 KSI Ft_u, 450 °F & 800 °F	CLASSIFICATION PART STANDARD NASM21050

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
11000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST REVISION DATE.

FORM 12-01

MATERIAL:

CRES - TYPE A286 (UNS S66286) PER AMS5525, AMS5732 ~~AMS5735~~, AMS5737, OR AMS5853.

HARDNESS:

49 HRC MAX.

FINISH:

- ② 800 °F SILVER PLATED NUTS (DASH AS CODE LETTER): SILVER PLATE IN ACCORDANCE WITH AMS2410. PLATE THICKNESS, MEASURED ON ANY EXTERNAL SURFACE OF THE NUT, SHALL NOT BE LESS THAN 0.0002. THREADS SHALL SHOW COMPLETE COVERAGE BUT THICKNESS REQUIREMENT ON THREAD IS WAIVED. NO SILVER PLATE ON WELD NIBS AND OPTIONAL ON ALL OTHER EXTERNAL SURFACES. THE COMBINATION OF SILVER PLATE AND SOLID FILM LUBRICANT IS NOT AN OPTION.

LUBRICATION:

- ② 450 °F SOLID FILM LUBRICATED NUTS (CODE LETTER L): SOLID FILM LUBRICANT IN ACCORDANCE WITH NASM25027. FOR USAF APPLICATIONS, NUTS TREATED WITH DRY FILM LUBRICANTS SHALL NOT BE USED IN INTERNAL FUEL SYSTEMS. THREADS SHALL SHOW COMPLETE COVERAGE. SOLID DRY FILM LUBRICANT ON ALL OTHER SURFACES OPTIONAL.
- ② 800 °F SOLID FILM LUBRICATED NUTS (CODE LETTER H): HIGH TEMPERATURE SOLID FILM LUBRICANT IN ACCORDANCE WITH AS1701, CLASS V OR VI. THREADS SHALL SHOW COMPLETE COVERAGE. SOLID DRY FILM LUBRICANT ON ALL OTHER SURFACES OPTIONAL. THE COMBINATION OF SILVER PLATE AND SOLID FILM LUBRICANT IS NOT AN OPTION.

CODE:

- ② THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE II. DO NOT USE UNASSIGNED PART NUMBERS.

EXAMPLE OF PART NUMBER:

MS21050 L4K = NUT, SELF-LOCKING, PLATE, TWO LUG, CRES; 125 KSI Ft_u, 450 °F; SOLID FILM LUBRICANT; .2500-28 UNJF-3B; COUNTERSUNK OR DIMPLED HOLES

DASH NUMBER

BASIC MS NUMBER

NOTES:

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| /1/ | THREADS BEFORE LUBRICATION PER AS8879. |
| /2/ | MINIMUM "H" NOT SPECIFIED, LIMITED ONLY BY THE STRENGTH REQUIREMENTS. |
| /3/ | 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. |
| /4/ | DIMPLED HOLE TOLERANCE FOR "Ø K" IS +.015, -.000 AFTER FORMING. |

REVISION
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NASM21050
SHEET 2