

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

FED. SUPPLY CLASS

5310

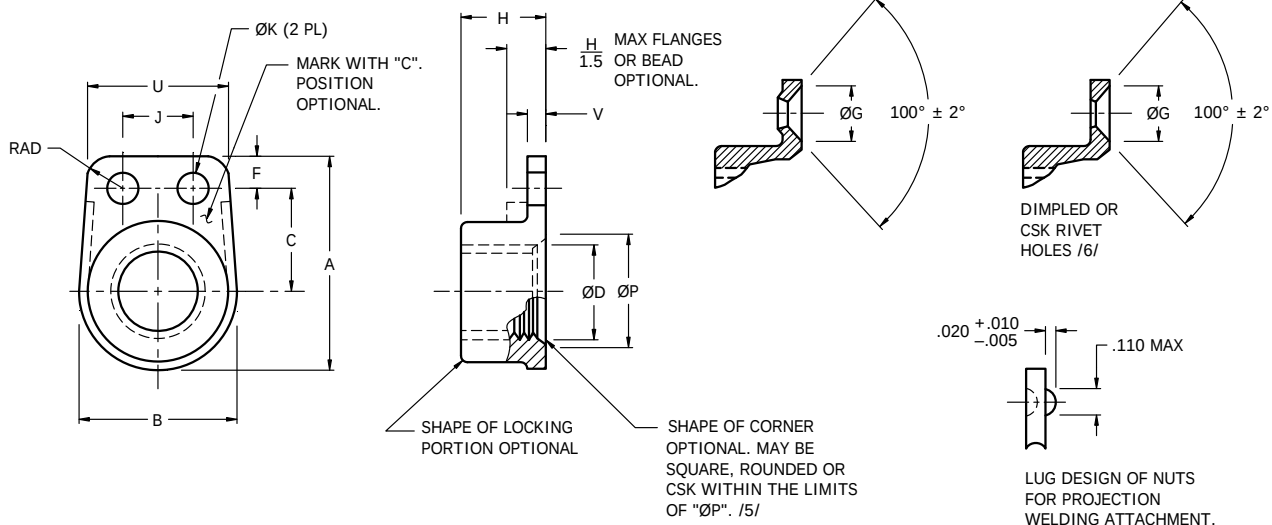


TABLE I – DIMENSIONS

THREAD SIZE /1/ /2/	A MAX	B		C ±.005 /4/	ØD MIN	H MAX /3/	F MIN	ØG ±.010	U MAX	J ±.002	ØK +.005 -.000 /6/	ØP MAX	V MAX	AXIAL STRENGTH LBF MIN	WEIGHT LB/100
		MAX	MIN												
.1640-32 UNJC-3B	.486	.297	.235	.234	.168	.250	.100	.200	.437	.219	.098	.248	.047	1,720	.23
.1900-32 UNJF-3B	.521	.328	.298	.250	.194	.250	.100	.200	.437	.219	.098	.274	.047	2,460	.28
.2500-28 UNJF-3B	.591	.414	.380	.281	.254	.281	.100	.200	.437	.219	.098	.344	.055	4,580	.45
.3125-24 UNJF-3B	.747	.505	.475	.359	.317	.328	.125	.230	.537	.269	.130	.417	.065	7,390	.78
.3750-24 UNJF-3B	.856	.614	.580	.414	.379	.344	.125	.230	.537	.269	.130	.505	.075	11,450	1.05

TABLE II – DASH NUMBERS

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
.3750-24 UNJF-3B	L6	--	L6W	-6	--	-6W	H6	--	H6W

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21087, REVISION B. PART NUMBERS REMAIN MS21087.

THIRD ANGLE PROJECTION		CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION NASM25027	TITLE NUT, SELF-LOCKING, PLATE, SIDE BY SIDE, REDUCED RIVET SPACING, LOW HEIGHT, CRES, 125 KSI Ftu, 450 °F & 800 °F		CLASSIFICATION PART STANDARD MSM21087 SHEET 1 OF 3

MATERIAL:

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

HARDNESS:

② 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 .0002 INCHES: THREADS SHALL SHOW COMPLETE COVERAGE BUT THICKNESS REQUIREMENT ON THREAD IS WAIVED, NO SILVER PLATE ON WELD NIBS. 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 (NO SILVER PLATE).~~ THREADS SHALL SHOW COMPLETE COVERAGE. SOLID FILM LUBRICANT ON ALL OTHER SURFACES OPTIONAL.
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 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:

② MS21087 L4W = NUT, SELF-LOCKING, PLATE, SIDE BY SIDE, REDUCED RIVET SPACING, LOW HEIGHT, CRES, 125 KSI Ft_u, 450 °F, DRY FILM LUBRICATION; .2500-28 UNJF-3B; WELDING PROJECTION LUGS.

└── DASH NUMBER

└── BASIC MS NUMBER

NOTES:

- /1/ THREADS IN ACCORDANCE WITH AS8879 BEFORE LUBRICATION.
- /2/ THREADS IN ACCORDANCE WITH MIL-S-7742 ARE ACCEPTABLE UNTIL 31 DECEMBER 1969.
- /3/ MINIMUM "H" NOT SPECIFIED, LIMITED ONLY BY STRENGTH REQUIREMENT OF SPECIFICATION.

REVISION
2
NASM21087
SHEET 2

