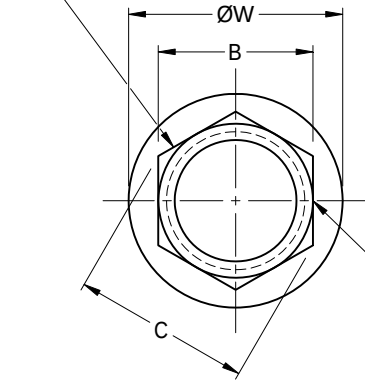
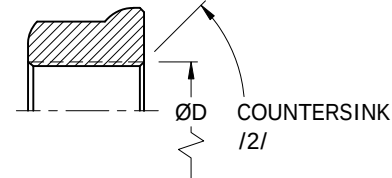
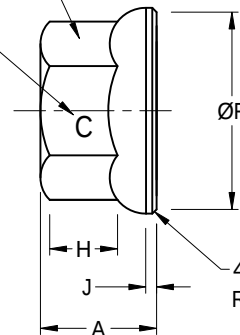


DESIGN OF WRENCH PAD FACES OPTIONAL
PROVIDED AREA BETWEEN HEX POINTS IS
WITHIN LIMITS OF DIMENSIONS "B", "C",
AND "H" BEFORE LUBRICATION.



MARK WITH "C"
TO DESIGNATE
CRES. LOCATION
OPTIONAL.
"CH" MARKING
ACCEPTABLE. /17/

TOOL MARKS AND DISTORTION
PERMISSIBLE IN LOCKING AREA.



45° CHAMFER OR
RADIUS TO ØF OPTIONAL.

MANUFACTURER'S IDENTIFICATION REQUIRED
FOR DASH NUMBERS 4 (.2500-28) AND LARGER.
RAISED OR DEPRESSED .010 MAX. LOCATION
OPTIONAL EXCEPT MUST NOT BE LOCATED
ON BEARING FACE. /11/

TABLE I – DIMENSIONS AND STRENGTH VALUES

THREAD /3/	DASH NUMBER						A		B		C	ØD /2/	
	450°F			800°F	450°F	800°F							
	STEEL /9/	STEEL /9/	A286 CRES /4/	A286 CRES /4/ /10/	A286 CRES /4/	A286 CRES /4/	MIN	MAX	MIN	MAX	MIN	MIN	MAX
.0860-56 UNJC-3B	Ø2	XØ2	CØ2M	CØ2	AØ2M	AØ2	.080	.100	.122	.127	.138	.086	.106
.1120-40 UNJC-3B	Ø4	XØ4	CØ4M	CØ4	AØ4M	AØ4	.103	.125	.150	.158	.171	.112	.142
.1380-32 UNJC-3B	Ø6	XØ6	CØ6M	CØ6	AØ6M	AØ6	.115	.141	.181	.190	.207	.138	.168
.1640-32 UNJC-3B	Ø8	XØ8	CØ8M	CØ8	AØ8M	AØ8	.125	.188	.213	.221	.244	.164	.194
.1900-32 UNJF-3B	3	X3	C3M	C3	A3M	A3	.154	.188	.243	.252	.277	.190	.220
.2500-28 UNJF-3B	4	X4	C4M	C4	A4M	A4	.204	.219	.304	.316	.347	.250	.280
.3125-24 UNJF-3B	5	X5	C5M	C5	A5M	A5	.251	.266	.367	.378	.419	.312	.342
.3750-24 UNJF-3B	6	X6	C6M	C6	A6M	A6	.267	.282	.430	.440	.491	.375	.405
.4375-20 UNJF-3B	7	X7	C7M	C7	A7M	A7	.313	.328	.494	.504	.562	.437	.467
.5000-20 UNJF-3B	8	X8	C8M	C8	A8M	A8	.350	.410	.556	.566	.633	.500	.530
.5625-18 UNJF-3B	9	X9	C9M	C9	A9M	A9	.420	.480	.680	.692	.775	.562	.592
.6250-18 UNJF-3B	10	X10	C10M	C10	A10M	A10	.490	.550	.743	.755	.846	.625	.655

14 COMPLETELY REVISED

THIRD
ANGLE
PROJECTION

CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION
14

PROCUREMENT
SPECIFICATION

TITLE

14

CLASSIFICATION
PART STANDARD

NOTED

**NUT, SELF-LOCKING, HEXAGON,
LOW HEIGHT, LIGHT WEIGHT**



NAS1291
SHEET 1 OF 3

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TABLE I – DIMENSIONS AND STRENGTH VALUES (CONTINUED)

THREAD /3/	ØF MIN	H MIN	J MIN	S /6/	ØW MAX	WEIGHT LBS/100 MAX	AXIAL TENSILE STRENGTH LBF MIN /1/	
							STEEL	A286 CRES
.0860-56 UNJC-3B	.137	.045	.008	.0025	.167	.02	~~660~~	465
.1120-40 UNJC-3B	.176	.050	.010	.003	.206	.05	~~1,110~~	760
.1380-32 UNJC-3B	.214	.055	.010	.003	.244	.08	~~1,670~~	1,150
.1640-32 UNJC-3B	.260	.060	.015	.003	.290	.15	~~2,490~~	1,720
.1900-32 UNJF-3B	.290	.065	.015	.003	.330	.18	~~3,470~~	2,460
.2500-28 UNJF-3B	.386	.090	.019	.003	.420	.35	~~6,200~~	4,580
.3125-24 UNJF-3B	.482	.120	.023	.004	.520	.60	~~9,820~~	7,390
.3750-24 UNJF-3B	.575	.125	.030	.004	.620	.80	~~15,200~~	11,450
.4375-20 UNJF-3B	.680	.160	.035	.005	.708	1.3	20,600	15,450
.5000-20 UNJF-3B	.786	.225	.040	.005	.814	2.1	27,500	21,110
.5625-18 UNJF-3B	.874	.320	.045	.006	.912	3.6	34,800	26,810
.6250-18 UNJF-3B	.976	.365	.050	.007	1.014	4.5	43,600	34,130

MATERIAL: STEEL - SEE PROCUREMENT SPECIFICATION.

CRES - A286 (UNS S66286) CONFORMING TO THE CHEMISTRY OF AMS5731, AMS5732, AMS5737, AMS5853 OR AMS5525.

HARDNESS: STEEL - 49HRC MAXIMUM.

FINISH: STEEL - CADMIUM PLATE PER AMS-QQ-P-416, CLASS 1 OR 2 PLUS AN APPROVED DRY FILM LUBRICANT. TYPE OF PLATING IS OPTIONAL IF LUBRICATED NUTS WILL MEET THE SALT SPRAY REQUIREMENTS OF AMS-QQ-P-416, TYPE II. ~~PARTS WITH CLASS 3 PLATING MAY BE FURNISHED FROM SUPPLIER'S STOCK UNTIL DECEMBER 15, 1974.~~

- DRY FILM LUBRICANT IN ACCORDANCE WITH NASM25027. OTHER LUBRICANTS SHALL BE SOLUBLE IN THE CLEANERS SPECIFIED IN THE PROCUREMENT SPECIFICATION.

CRES - SILVER PLATE FOR 800 °F USE PER AMS2410 TO A .0002 MINIMUM THICKNESS ON SURFACES WHICH CAN BE TOUCHED BY A .7500 (3/4-INCH) BALL. THREADS SHALL SHOW COMPLETE COVERAGE BUT THICKNESS REQUIREMENT ON THREADS IS WAIVED.

- DRY FILM LUBRICANT, FOR 450 °F USE, IN ACCORDANCE WITH NASM25027. OTHER LUBRICANTS SHALL BE SOLUBLE IN THE CLEANERS SPECIFIED IN THE PROCUREMENT SPECIFICATION.

EXAMPLES OF PART NUMBERS:

NAS1291-7 = .4375-20 NUT, ALL METAL CONSTRUCTION OF STEEL, CADMIUM PLATED, WITH AN APPROVED DRY FILM LUBRICANT FOR 450°F USE.

NAS1291X7 = .4375-20 NUT, ALL METAL CONSTRUCTION, CADMIUM PLATED WITHOUT DRY FILM COATING OR ANY OTHER LUBRICANT FOR 450°F USE.

NAS1291C7M = .4375-20 NUT, ALL METAL CONSTRUCTION OF A286, WITH AN APPROVED DRY FILM LUBRICANT FOR 450°F USE.

NAS1291C7 = .4375-20 NUT, ALL METAL CONSTRUCTION OF A286, SILVER PLATED FOR 800°F USE WITH NO LUBRICANT.

~~NAS1291A4M = 1/4 28 NUT, ALL METAL CONSTRUCTION OF A286, WITH AN APPROVED DRY FILM LUBRICANT FOR 450°F USE.~~

~~NAS1291A4 = 1/4 28 NUT, ALL METAL CONSTRUCTION OF A286, SILVER PLATED FOR 800°F USE.~~

NOTE:

/1/ MINIMUM TENSILE STRENGTH FOR STEEL (450 °F) NUT PER TABLE IS BASED ON 160,000 PSI AND ON AREAS CALCULATED BY USING 98% OF THE BASIC PITCH DIAMETER AS SHOWN IN TABLES 8 AND 9 OF ASME B1.1, EXCEPT .3750 AND LARGER SIZES WHICH ARE BASED ON 100%. TEST BOLTS SHALL BE 180,000 PSI MIN. TENSILE VALUES FOR A286 ARE BASED ON 125,000 PSI PER NASM25027.

REVISION

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(14) COMPLETELY REVISED



NAS1291
SHEET 2

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