

FED. SUPPLY CLASS

5310

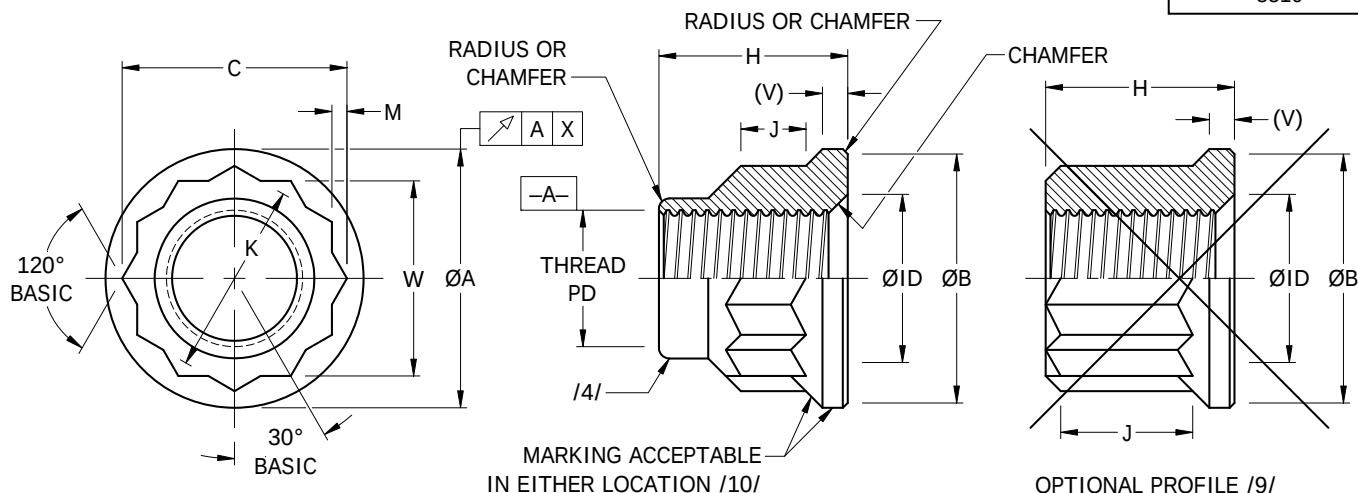


TABLE I – DIMENSIONS

SIZE DASH NO.	THREAD /1/	ØA	ØB	C	H	ØID		J	K	M	W		(V)	X	MAXIMUM WEIGHT LB/100
		MAX	MIN	/3/ MIN	MAX	MIN	MAX	MIN	MAX	MIN	/3/				
											MAX	MIN			
3	.1900-32 UNJF-3B	.339	.299	.277	.190	.220	.190	.065	.262	.013	.251	.243	.015	.006	.21
4	.2500-28 UNJF-3B	.434	.394	.347	.250	.280	.250	.082	.327	.017	.313	.305	.020	.006	.42
5	.3125-24 UNJF-3B	.532	.492	.418	.312	.342	.312	.120	.392	.021	.376	.367	.035	.006	.71
6	.3750-24 UNJF-3B	.631	.591	.490	.375	.405	.375	.129	.458	.026	.439	.430	.056	.010	1.26
7	.4375-20 UNJF-3B	.729	.689	.631	.438	.473	.438	.156	.588	.034	.564	.553	.069	.010	2.12
8	.5000-20 UNJF-3B	.828	.788	.703	.500	.535	.500	.190	.654	.038	.627	.616	.074	.010	3.01
9	.5625-18 UNJF-3B	.926	.886	.775	.562	.597	.562	.230	.720	.042	.690	.679	.079	.010	4.12
10	.6250-18 UNJF-3B	1.024	.984	.846	.625	.660	.625	.250	.784	.047	.752	.741	.084	.010	5.36
12	.7500-16 UNJF-3B	1.221	1.181	1.059	.750	.785	.750	.310	.980	.060	.940	.928	.094	.010	9.67
14	.8750-14 UNJF-3B	1.418	1.378	1.200	.875	.910	.875	.350	1.110	.068	1.064	1.052	.109	.015	14.80
16	1.0000-12 UNJF-3B	1.625	1.575	1.344	1.000	1.035	1.000	.400	1.241	.077	1.190	1.177	.122	.015	20.90
18	1.1250-12 UNJF-3B	1.822	1.772	1.557	1.125	1.160	1.125	.450	1.436	.090	1.377	1.364	.150	.015	30.80
20	1.2500-12 UNJF-3B	2.019	1.969	1.699	1.250	1.285	1.250	.500	1.565	.098	1.502	1.489	.170	.015	40.30
22	1.3750-12 UNJF-3B	2.216	2.166	1.842	1.375	1.410	1.375	.550	1.695	.107	1.627	1.614	.220	.015	52.70
24	1.5000-12 UNJF-3B	2.412	2.362	1.986	1.500	1.535	1.500	.600	1.825	.117	1.752	1.739	.260	.015	67.00
28	1.7500-12 UNJF-3B	2.820	2.770	2.332	1.750	1.785	1.750	.750	2.150	.138	2.064	2.050	.300	.015	108.00
32	2.0000-12 UNJF-3B	3.200	3.150	2.687	2.000	2.040	2.000	.900	2.474	.155	2.377	2.363	.350	.015	161.00

MATERIAL: ALLOY STEEL PER AMS6304 OR AMS6487.

HARDNESS: 45HRC MAX.

FINISH: NO CODE LETTER - CADMIUM PLATE PER AMS-QQ-P-416, CLASS 2. TYPE OF PLATING OPTIONAL IF NUTS MEET SALT SPRAY REQUIREMENT OF AMS-QQ-P-416, TYPE II.
CODE LETTER "N" - CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.

② COMPLETELY REVISED

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION NOTED	TITLE NUT, SELF-LOCKING, EXTENDED WASHER, DOUBLE HEXAGON, ALLOY STEEL, 180 KSI, 450 °F	CLASSIFICATION PART STANDARD

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 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.

REVISION DATE: JUNE 29, 2012

ISSUE DATE: MAY 1978

LUBRICANT: NO CODE LETTER - DRY FILM LUBRICANT MEETING REQUIREMENTS OF NAS3350 AND HYDRAULIC FLUID RESISTANCE WHEN TESTED PER ASTM D 2510 USING AS1241 PHOSPHATE ESTER HYDRAULIC FLUID.

CODE LETTER "N" - CETYL ALCOHOL (NON-DRY LUBRICANT) PER AS87132, TYPE I, GRADE A. ~~#8~~

CODE: NO CODE LETTER AFTER BASIC PART NUMBER FOR CADMIUM PLATED NUT WITH DRY FILM LUBRICANT. ADD "N" AFTER DASH PART NUMBER FOR CADMIUM PLATED NUT WITH CETYL ALCOHOL LUBRICANT.

EXAMPLE OF PART NUMBERS:

NAS1804-6 = NUT, .3750-24 UNJF-3B THREAD, CADMIUM PLATED, DRY FILM LUBRICANT.

NAS1804-6N = NUT, .3750-24 UNJF-3B THREAD, CADMIUM PLATED, CETYL ALCOHOL LUBRICANT.

NOTES:

- /1/ THREADS PER AS8879 BEFORE LUBRICATION.
- (2) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- /3/ DIMENSIONS "C", "K" AND "W" APPLY PRIOR TO DEFORMATION OF SELF-LOCKING DEVICE.
- /4/ UPPER THREADED PORTION, ABOVE WRENCHING FEATURE, DEFORMED TO PROVIDE SELF-LOCKING ACTION. DEFORMATION SHALL PERMIT FREE ENGAGEMENT WITH WRENCHES CONFORMING TO GGG-W-636. TOOL MARKS PERMISSIBLE IN LOCKING AREA.
- (5) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
- (6) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (7) 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.
- ~~/8/ THOROUGHLY MIX 1.15 TO 1.5 LBS OF CETYL ALCOHOL PER GALLON OF TYPE 325 (STANDARD OIL CO.) SOLVENT OR EQUIVALENT. SOLUTION MAY BE HEATED TO 130 °F TO AID IN MIXING. NUTS ARE TO BE IMMERSSED IN THE SOLUTION FOR 2 MINUTES MINIMUM, REMOVED, AND DRYED BEFORE PACKING.~~
- /9/ OPTIONAL PROFILE INACTIVE. EXISTING STOCK OF OPTIONAL PROFILE NUTS MAY BE FURNISHED UNTIL 1 NOVEMBER 1984. FOR DESCRIPTION OF STATUS NOTES SEE NAS380.
- /10/ MARKING: MANUFACTURER'S SYMBOL PLUS NAS PART NUMBER. FOR -3 SIZE, ONLY MANUFACTURER'S SYMBOL IS REQUIRED. LOCATION AS NOTED ON SHEET 1.
- (11) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

PROCUREMENT SPECIFICATION:

NAS3350, CLASS III.

② COMPLETELY REVISED

REVISION
2
NAS1804
SHEET 2



NAS1804
SHEET 2

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