

FED. SUPPLY CLASS
5310

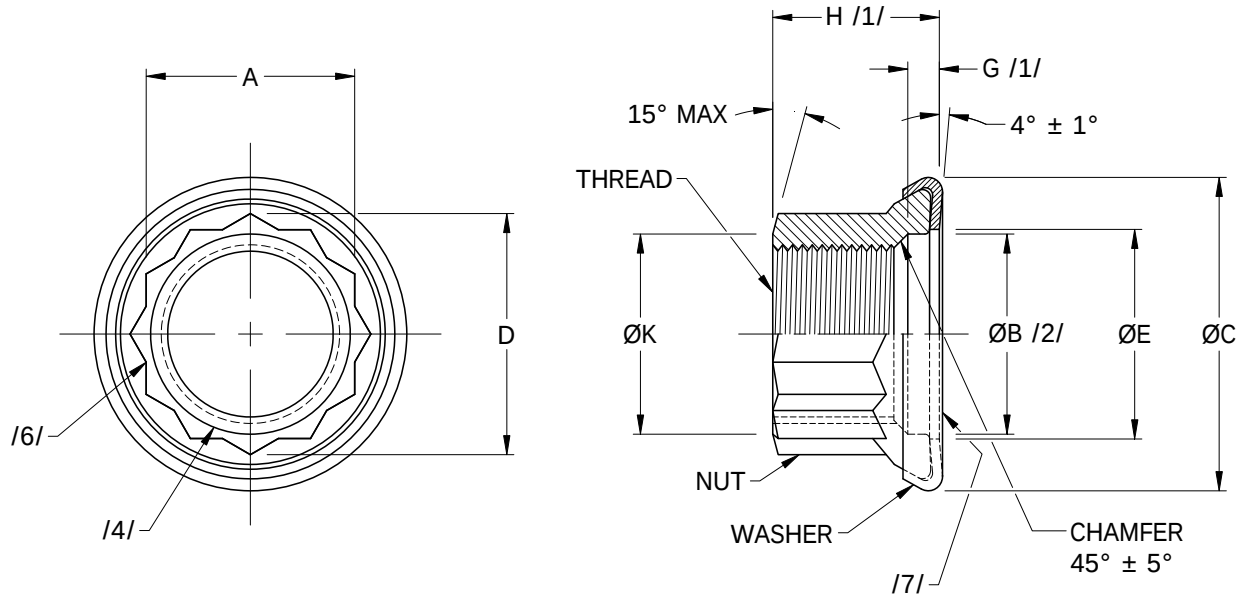


TABLE I – DIMENSIONS AND STRENGTH VALUES

SIZE DASH NO.	THREAD PER AS8879	A		ØB ±.005 /2/	ØC MAX	D MIN	ØE ±.005	G +.010 -.005 /1/	H ±.010 /1/	ØK MIN	TENSILE STRENGTH POUNDS MIN /3/		APPROXIMATE WT LBS PER 1000 PCS	
		MAX	MIN								ALLOY STEEL	A286 & 6AL-4V	ALLOY STEEL & A286	6AL-4V TITANIUM
05	.1640-36 UNJF-3B	.221	.213	.190	.340	.244	.196	.077	.216	.190	2,800	2,500	2.00	1.25
3	.1900-32 UNJF-3B	.221	.213	.216	.380	.244	.222	.077	.233	.201	3,200	2,825	1.86	1.16
4	.2500-28 UNJF-3B	.284	.274	.282	.460	.313	.288	.077	.281	.261	5,500	5,060	3.18	2.01
5	.3125-24 UNJF-3B	.376	.367	.347	.560	.421	.353	.077	.326	.355	9,000	8,000	6.85	4.27
6	.3750-24 UNJF-3B	.439	.430	.412	.660	.494	.418	.077	.351	.418	14,000	11,900	10.65	6.61
7	.4375-20 UNJF-3B	.502	.492	.479	.760	.566	.485	.077	.393	.480	18,000	16,100	14.75	9.22
8	.5000-20 UNJF-3B	.564	.553	.546	.860	.637	.552	.077	.425	.542	24,000	21,450	19.67	12.29
9	.5625-18 UNJF-3B	.627	.616	.635	1.000	.703	.650	.087	.520	.600	33,000	27,250	30.80	19.25
10	.6250-18 UNJF-3B	.752	.741	.705	1.100	.846	.720	.087	.565	.725	43,000	34,050	50.10	31.31
12	.7500-16 UNJF-3B	.877	.865	.840	1.310	.987	.855	.092	.660	.840	61,000	49,300	78.90	49.31
14	.8750-14 UNJF-3B	1.002	.990	.980	1.480	1.130	.995	.097	.760	.965	73,900	67,400	114.50	71.56
16	1.0000-12 UNJF-3B	1.127	1.115	1.120	1.690	1.271	1.135	.097	.860	1.085	85,700	88,000	156.80	98.00

④ COMPLETELY REVISED

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 4	
		CLASSIFICATION PART STANDARD	
PROCUREMENT SPECIFICATION NASM25027	TITLE NUT, SELF-LOCKING, CAPTIVE WASHER, SHEAR TYPE, 450 °F AND 800 °F	SHEET 1 OF 3	
		Document Sharing Hub	

TABLE II – WASHERNUT ASSEMBLY

ASSY CODE NO	NUT			WASHER			
	MATERIAL	FINISH	LUBRICATION	MATERIAL	FINISH	LUBRICATION	
-()	4340 OR 8740 ALLOY STEEL /a/	CADMIUM PLATE /f/	NONE	1050 CARBON STEEL /d/	CADMIUM PLATE /f/	NONE	
-()E			/j/			/j/	
-()D			/k/			NONE	
C()S	A286 CRES /b/	SILVER PLATE /g/	NONE	A286 CRES /e/	PASSIVATE /h/	NONE	
C()SE			/j/			/j/	
C()P		PASSIVATE /h/	/5/			NONE	
C()PE			/j/ /5/		/j/		
C()		CADMIUM PLATE /i/	NONE		NONE		
C()E			/j/		/j/		
C()D			/k/		NONE		
V()D	6AL-4V TITANIUM /c/	NONE	/k/		PASSIVATE /h/	NONE	
V()DE					/j/		

MATERIAL:

NUTS /a/ ALLOY STEEL – 8740 (UNS G87400) PER MIL-S-6049 AMS6322, AMS6325 OR AMS6327, OR 4340 (UNS G43406) PER MIL-S-5000 AMS6415 OR AMS6484.
/b/ CRES – A286 (UNS S66286) PER AMS5731, AMS5732, AMS5737 OR AMS5853.
/c/ TITANIUM – 6AL-4V ALLOY (UNS R56400) PER AMS4928 OR AMS4967.

WASHERS /d/ 1050 CARBON STEEL (UNS G10500) PER AMS5085.
/e/ CRES – A286 (UNS S66286) PER AMS5525.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS2759 FOR ALLOY STEEL AND CRES AND AMS-H-81200 OR AMS2801 FOR TITANIUM.

NUTS - ALLOY STEEL: 160 KSI MINIMUM
- A286 CRES: 160 KSI MINIMUM
- TITANIUM: 160 KSI MINIMUM

WASHERS - CARBON STEEL: 180 KSI MINIMUM
- A286 CRES: 140 KSI MINIMUM

FINISH:

/f/ CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
HYDROGEN RELIEVE FOR 23 HOURS MINIMUM AT 375 °F.
/g/ SILVER PLATE PER AMS2410 (.0002-.0005 THICKNESS).
/h/ PASSIVATE PER AMS2700, METHOD 1, CLASS 4.
/i/ CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
HYDROGEN RELIEVE FOR 3 HOURS MINIMUM AT 375 °F.

LUBRICATION:

/j/ CETYL ALCOHOL PER MIL-L-87132 AS87132, TYPE I, GRADE A.
/k/ DRY FILM LUBRICANT PER MIL-L-46010 AS5272, TYPE I (MOLYBDENUM DISULFIDE).

④ COMPLETELY REVISED

REVISION

4

NAS1726

SHEET 2

Document Sharing Hub

USE OF OR RELIANCE UPON THIS DOCUMENT OR ANY NATIONAL AEROSPACE STANDARD IS ENTIRELY VOLUNTARY. AIA DOES NOT QUALIFY SUPPLIERS OR CERTIFY

Copyright Aerospace Industries Association of America Inc. AIA MAKES NO REPRESENTATION OR CLAIM RESPECTING (1) THE SUITABILITY OF
Provided by IHS under license with AIA/NAS. Licensee= www.sepana.ir/5991803002, User=sam, albert
No reproduction or networking permitted without license from IHS. Not for Resale, 01/04/2016 15:51:45 MST. TRADEMARKS RIGHTS.

Full document details: AIA NAS1726 2011