

FED. SUPPLY CLASS

5310

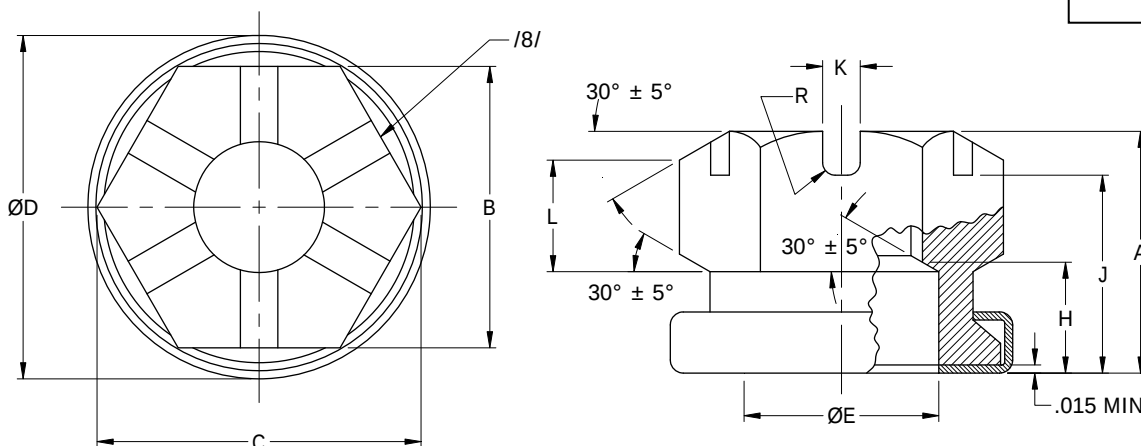


TABLE I – DIMENSIONS AND STRENGTH VALUES

SIZE DASH NO.	THREADS PER AS8879 /13/	A		B		C	ØD		ØE		H	
		MAX	MIN	MAX	MIN	MIN	MAX	MIN	MAX	MIN	MAX	MIN
3	.1900-32UNJF-3B	.390	.370	.376	.367	.413	.490	.460	.240	.230	.161	.141
4	.2500-28UNJF-3B	.425	.405	.439	.430	.488	.560	.530	.309	.299	.192	.172
5	.3125-24UNJF-3B	.456	.436	.502	.492	.557	.640	.610	.395	.385	.223	.203
6	.3750-24UNJF-3B	.502	.482	.564	.553	.628	.710	.680	.460	.450	.238	.218
7	.4375-20UNJF-3B	.550	.530	.627	.616	.698	.785	.755	.529	.519	.269	.249
8	.5000-20UNJF-3B	.596	.576	.752	.741	.840	.925	.895	.614	.604	.301	.281
9	.5625-18UNJF-3B	.710	.690	.877	.865	.988	1.080	1.050	.686	.676	.332	.312
10	.6250-18UNJF-3B	.822	.792	1.002	.990	1.121	1.224	1.194	.770	.760	.407	.387
12	.7500-16UNJF-3B	.951	.911	1.064	1.052	1.191	1.283	1.253	.915	.905	.450	.430
14	.8750-14UNJF-3B	1.058	1.018	1.252	1.239	1.403	1.495	1.465	1.065	1.055	.495	.475
16	1.0000-12UNJF-3B	1.202	1.162	1.440	1.427	1.615	1.707	1.677	1.215	1.205	.544	.524

TABLE I – DIMENSIONS AND STRENGTH VALUES (CONTINUED)

SIZE DASH NO.	J		K		L	R	AXIAL STRENGTH LBF	WEIGHT LBS/100
	MAX	MIN	MAX	MIN	MIN	MAX	MIN	APPROX
3	.279	.259	.108	.078	.110	.035	1,105	1.04
4	.316	.296			.125		2,040	1.40
5	.347	.327			.140		3,250	1.72
6	.378	.358	.155	.125	.130	.053	5,050	2.13
7	.409	.389			.150		6,800	2.50
8	.472	.452			.165	.062	11,800	7.40
9	.550	.530	.187	.157	.170		15,050	7.90
10	.633	.613			.220		22,000	8.60
12	.765	.745			.288		30,000	16.70
14	.871	.851			.333		40,350	19.80
16	.984	.964						

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS21244, REVISION B, AMENDMENT 1. PART NUMBERS REMAIN MS21244.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION FF-N-836	TITLE NUT, CASTELLATED, HEXAGON, COUNTERBORED ASSEMBLED WASHER, 450 °F, FOR SELF-RETAINING BOLTS	CLASSIFICATION PART STANDARD
		MS21244 SHEET 1 OF 2

MATERIAL:

BODY: STEEL PER PROCUREMENT SPECIFICATION; CRES – A286 (UNS S66286), LUBRICATED.

WASHER: CRES – 302 OR 321.

FINISH: STEEL – CADMIUM PLATING PER AMS-QQ-P-416, TYPE II, CLASS 2. ~~PARTS WITH CLASS 3 PLATING MAY BE FURNISHED FROM SUPPLIERS STOCK UNTIL JUNE 1974.~~

CRES – PASSIVATE PER AMS2700, METHOD 1, CLASS 4.

CODE: ADD “C” AFTER DASH NUMBER TO INDICATE CRES.

EXAMPLE OF PART NUMBER:

MS21244-4 = .2500-28 STEEL, CADMIUM PLATED.

MS21244-10C = .6250-18 CRES, PASSIVATED, LUBRICATED.

NOTES:

- (1) THREADED ELEMENT SHALL ROTATE FREELY IN AND AGAINST THE WASHER.
- (2) SURFACE ROUGHNESS: 125 MICROINCHES Ra PER ASME B46.1.
- (3) REMOVE ALL BURRS AND SHARP EDGES.
- (4) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (5) TOLERANCE UNLESS OTHERWISE SPECIFIED: DECIMALS $\pm .010$.
- (6) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (7) DESIGN INFORMATION: THESE NUTS ARE FOR USE WITH SELF-RETAINING BOLTS AND MAY BE USED AT TEMPERATURE 450 °F AND BELOW. FOR DESIGN USAGE LIMITATIONS SEE NASM33602. NUTS ARE TO BE INSTALLED IN ACCORDANCE WITH NASM33540.
- /8/ OPPOSITE SLOTS MUST COINCIDE WITHIN .005 AND SLOT AXIS MUST BE WITHIN .005 OF THREAD P.D. AXIS.
- (9) MAGNETIC PERMEABILITY OF CRES NUTS SHALL BE LESS THAN 2.0 (AIR = 1.0) FOR A FIELD STRENGTH H = 200 OERSTEDS USING A MAGNETIC PERMEABILITY INDICATOR PER ASTM A342/A342M, TEST METHOD 3.
- (10) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (11) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISION OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (12) 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.
- /13/ NUTS WILL ASSEMBLE ON EITHER MIL-S-7742 OR AS8879 THREADED BOLTS.
- /14/ CONCENTRICITY: “ØE” TO BE CONCENTRIC TO P.D. OF THREAD WITHIN .005 FIM.
- /15/ WASHER I.D. MAY BE .005 LESS THAN “ØE” MIN.

REVISION

2

NASM21244

SHEET 2



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