

FED. SUPPLY CLASS

5310

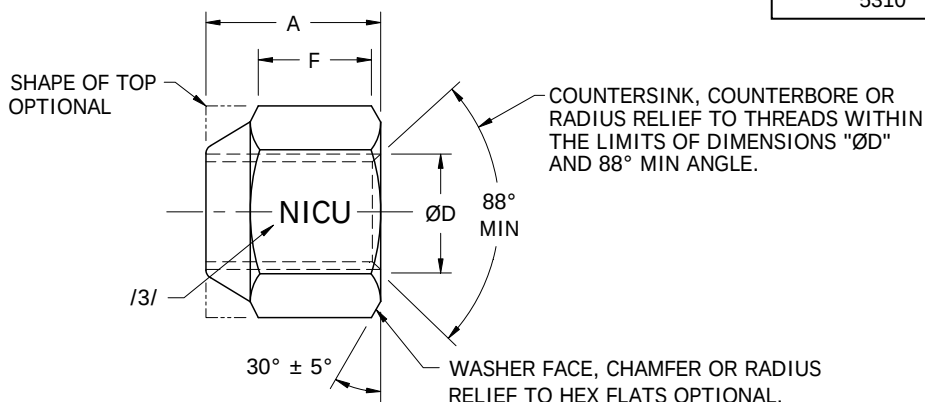
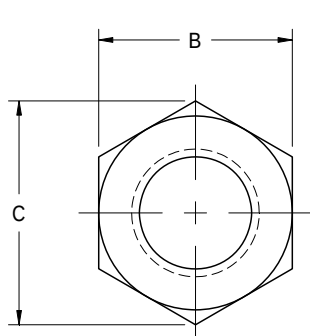


TABLE I – DIMENSIONS AND STRENGTH VALUES

SIZE DASH NUMBER	THREAD	A		B /2/		C	D ±.020	F MIN	BEARING SURFACE SQ'NESS /1/	AXIAL STRENGTH LBF	ULTIMATE WRENCH TORQUE IN-LBF	WEIGHT LBS/100 REF	LOCKING TORQUE INSTALLATION OR REMOVAL IN-LBF MAX	BREAKAWAY TORQUE IN-LBF
		MAX	MIN	MAX	MIN	MIN			MAX	MIN	MIN			
04C	.1120-40 UNC-3B	.157	.133	.252	.243	.268	.136	.044	.005	520	6	.17	PER NASM25027	PER NASM25027
06C	.1380-32 UNC-3B	.188	.160	.316	.305	.339	.161	.061	.006	780	11	.31		
08C	.1640-32 UNC-3B	.281	.219	.347	.336	.374	.188	.091	.006	1,250	17	.50		
3C	.1900-24 UNC-3B	.281	.208	.378	.367	.410	.210	.085	.006	1,460	29	.60		
3F	.1900-32 UNF-3B									1,790	34	.60		
4C	.2500-20 UNC-3B	.360	.240	.439	.430	.482	.273	.116	.007	3,900	40	1.13		
4F	.2500-28 UNF-3B									4,000	50			
5C	.3125-18 UNC-3B	.360	.271	.504	.492	.552	.336	.123	.007	6,000	85	1.51		
5F	.3125-24 UNF-3B									6,400	110			
6C	.3750-16 UNC-3B	.469	.318	.566	.553	.622	.398	.153	.008	9,600	140	2.26		
6F	.3750-24 UNF-3B									10,750	190			
7C	.4375-14 UNC-3B	.469	.435	.692	.679	.766	.467	.178	.008	12,000	245	3.89		
7F	.4375-20 UNF-3B									13,070	325			
8C	.5000-13 UNC-3B	.610	.575	.755	.741	.837	.531	.221	.009	19,100	440	5.39		
8F	.5000-20 UNF-3B									19,600	500			
9C	.5625-12 UNC-3B	.704	.623	.880	.865	.978	.594	.243	.010	22,200	550	8.90		
9F	.5625-18 UNF-3B									25,000	710			
10C	.6250-11 UNC-3B	.766	.732	.944	.928	1.051	.656	.274	.010	28,900	750	10.40		
10F	.6250-18 UNF-3B									30,300	1,000			
12C	.7500-10 UNC-3B	.891	.855	1.068	1.052	1.191	.782	.316	0.10	38,700	1,225	15.03		
12F	.7500-16 UNF-3B									39,300	1,725			
14C	.8750-9 UNC-3B	1.016	.965	1.257	1.239	1.403	.918	.570	.011	56,700	2,225	23.80		
14F	.8750-14 UNF-3B									61,300	2,775			
16C	1.0000-8 UNC-3B	1.141	1.010	1.446	1.427	1.615	1.044	.635	.012	66,700	3,675	33.82		
16F	1.0000-12 UNF-3B									71,500	4,135			

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS17828, REVISION J. PART NUMBERS REMAIN MS17828.

THIRD ANGLE PROJECTION		CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NASM25027	TITLE NUT, SELF-LOCKING, HEXAGON REGULAR-HEIGHT, (NON-METALLIC INSERT) 250 °F OR 450 °F, NICKEL-COPPER ALLOY	CLASSIFICATION PART STANDARD NASM17828	SHEET 1 OF 4

TABLE I – DIMENSIONS AND STRENGTH VALUES (CONTINUED)

SIZE DASH NUMBER	THREAD	A		B /2/		C	D ±.020	F MIN	BEARING SURFACE SQ'NESS /1/	AXIAL STRENGTH LBF	ULTIMATE WRENCH TORQUE IN-LBF	WEIGHT LBS/100 REF	LOCKING TORQUE INSTALLATION OR REMOVAL IN-LBF MAX	BREAKAWAY TORQUE IN-LBF
		MAX	MIN	MAX	MIN	MIN			MAX	MIN	MIN			
18C	1.1250-7 UNC-3B									81,900	5,350	51.36	900	137.0
18F	1.1250-12 UNF-3B	1.266	1.130	1.634	1.614	1.826	1.171	.710	.013	90,400	5,975			117.0
188	1.1250-8 UN-3B									81,900	5,350			137.0
20C	1.2500-7 UNC-3B									115,700	7,350	72.66	1,000	165.0
20F	1.2500-12 UNF-3B	1.454	1.300	1.822	1.801	2.038	1.295	.795	.014	119,800	8,375			143.0
208	1.2500-8 UN-3B									115,700	7,350			165.0
22C	1.3750-6 UNC-3B									110,300	7,700	96.46	1,200	200.0
22F	1.3750-12 UNF-3B	1.609	1.547	2.011	1.973	2.232	1.447	.890	.015	115,200	8,850			180.0
228	1.3750-8 UN-3B									110,300	7,700			200.0
24C	1.5000-6 UNC-3B									134,000	11,200	125.28	1,400	230.0
24F	1.5000-12 UNF-3B	1.640	1.578	2.200	2.159	2.444	1.568	.980	.016	139,000	11,650			210.0
248	1.5000-8 UN-3B									134,000	11,200			230.0
28C	1.7500-5 UNC-3B									205,000	18,000	278.40	1,800	300.0
288	1.7500-8 UN-3B	2.376	2.250	2.766	2.715	3.075	1.818	1.250	.018	205,000	18,000			300.0
32C	2.0000-4.5 UNC-3B									233,000	20,000	359.60	2,200	360.0
328	2.0000-8 UN-3B	2.469	2.343	3.142	3.086	3.497	2.065	1.350	.020	233,000	20,000			360.0
36C	2.2500-4.5 UNC-3B									390,000	20,000	522.00	2,600	430.0
368	2.2500-8 UN-3B	2.876	2.750	3.518	3.457	3.918	2.328	1.600	.020	390,000	20,000			430.0
40C	2.5000-4 UNC-3B									500,000	20,000	791.12	3,000	500.0
408	2.5000-8 UN-3B	3.204	3.078	4.020	3.875	4.393	2.578	1.800	.020	500,000	20,000			500.0

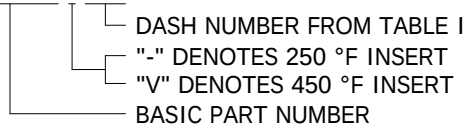
MATERIAL:

NICKEL-COPPER ALLOY (UNS N04400 OR N04405) CONFORMING TO QQ-N-281, CLASS A ANNEALED (HOT FINISH OR COLD DRAWN) OR CLASS B COLD DRAWN, OR ASTM F 467.

THE NON-METALLIC LOCKING COLLAR (INSERT) SHALL BE IN ACCORDANCE WITH ASTM D4066, GROUP 01, CLASS 1, GRADE 1 FOR 250 °F, AND ASTM D6456, TYPE I FOR 450 °F.

CODE:

MS17828 - 04C



(NOTE: THERE ARE NO SPACES IN THE PART NUMBER. EXAMPLE SHOWN WITH SPACES IS FOR CLARITY ONLY.)

EXAMPLE OF PART NUMBER:

MS17828-04C = NUT, SELF-LOCKING, HEXAGON, REGULAR HEIGHT, (NON-METALLIC INSERT) 250 °F, NICKEL-COPPER ALLOY, .1120-40 UNC-3B.

REVISION

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ASME Documents

SHEET 2

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