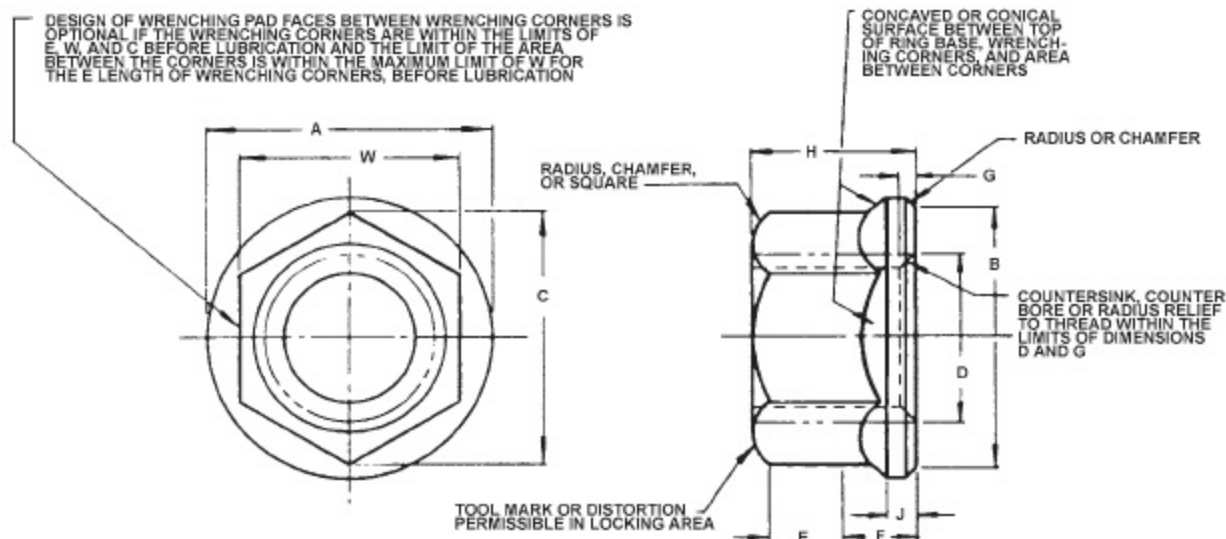


MS21042 / NAS1291 Series Specifications

Nuts, Self-locking, 450°, Reduced Hexagon, Reduced Height, Ring Base, Non-Corrosion Resistant Steel



Size Dash No.	Thread ^a	A	B	C	D		E ^d	F ^e	G		H		J	W ^c		X ^{b+}	Axial ^f Strength Min, lb	Weight lb/100 Max	Wrenching Torque Test ^f Value, in-lb
		Max	Min		Min	Max			Min	Min	Min	Max		Min	Max				
02	2-56 UNC-3B	.167	.137	.138	.106	.086	.045	.019	.021	.004	.100	.080	.010	.127	.122	.0025	660	.020	5
04	4-40 UNC-3B	.206	.176	.171	.142	.112	.060	.028	.027	.005	.125	.103	.010	.158	.150	.003	1110	.060	10
06	6-32 UNC-3B	.244	.214	.207	.168	.138	.065	.039	.031	.006	.141	.115	.010	.190	.181	.003	1670	.080	20
08	8-32 UNC-3B	.290	.260	.244	.194	.164	.060	.041	.031	.006	.188	.125	.015	.221	.213	.003	2490	.150	30
3	10-32 UNF-3B	.330	.290	.277	.220	.190	.065	.043	.031	.006	.188	.154	.015	.252	.243	.003	3470	.180	60
4	1/4-28 UNF-3B	.420	.386	.347	.280	.250	.090	.057	.036	.007	.219	.204	.019	.316	.304	.003	6200	.350	150
5	5/16-24 UNF-3B	.520	.482	.419	.342	.312	.120	.077	.042	.008	.266	.251	.023	.378	.367	.004	9820	.600	330
6	3/8-24 UNF-3B	.620	.575	.491	.405	.375	.125	.089	.042	.008	.282	.267	.030	.440	.430	.004	15200	.800	530
7	7/16-20 UNF-3B	.708	.680	.562	.467	.437	.160	-	-	-	.328	.313	.035	.504	.494	.004	20600	1.30	825
8	1/2-20 UNF-3B	.814	.786	.633	.530	.500	.225	-	-	-	.410	.350	.040	.566	.556	.004	27500	2.10	1125
9	9/16-18 UNF-3B	.912	.874	.775	.592	.562	.320	-	-	-	.480	.420	.045	.692	.680	.004	34800	3.60	1550
10	5/8-18 UNF-3B	1.014	.976	.846	.655	.625	.365	-	-	-	.550	.490	.050	.755	.743	.004	43600	4.50	2000

All dimensions in inches; nuts dash size 7 and larger use NAS1291 prefix, stainless steel nuts use NAS1291C designation.

(a) Threads in accordance with MIL-S-7742 before lubrication

(b) Bearing surface shall be square with pitch diameter within X when measured in accordance with MIL-N-25027

(c) Dimension across flats includes deformation of locking device

(d) Minimum length of each wrenching corner

(e) Minimum distance from the washer face of the nut to the beginning of the minimum length E of each wrenching corner

(f) For alloy steel nuts. For A286 nuts multiply these values by .694

Material: Alloy steel or A286 corrosion resistant steel (NAS1291C designation)

Plating: Plain cadmium-plated nuts in accordance with QQ-P-416, Type II, Class 3. Dry film lubricated nuts in accordance with QQ-P-416. NAS1291C designation nuts: silver plate per AMS2410

Lubricant: Dry film lubricant approved in accordance with MIL-N-25027. Other lubricants soluble in the cleaner specified in procurement specification. For USAF applications, nuts treated with dry film lubricants shall not be utilized in integral fuel tanks.

Hardness: Rockwell C49 maximum (alloy steel nuts)

Break all sharp edges and remove all hanging burrs and slivers which might become dislodged under usage. Surface roughness in accordance with MIL-STD-10. Unless otherwise specified the surface roughness shall not exceed 125 uin. These nuts shall be used in accordance with the limitations of MS33588.