



Nominal Size	Basic Major Diameter of Thread	Width Across Flats, F			Width Across Corners, G			Thickness Hex Nuts, H			Thickness Jam Nuts, H ₁			Maximum Runout of Bearing Surface to Thread Axis, FIM				
		Basic	Min.	Max.	Min.	Mix.	Basic	Min.	Max.	Basic	Min.	Max.	Basic	Min.	Max.	Hex Nuts		Hex Jam Nuts
																Hex Nuts Up to 150,000 psi	Hex Jam Nuts Specified At 150,000 psi and Greater	
1/4	0.2500	3/8	0.488	0.500	0.556	0.577	15/64	0.218	0.250	9/64	0.156	0.188	0.017	0.011	0.017			
5/16	0.3125	9/16	0.546	0.562	0.622	0.650	19/64	0.280	0.314	3/16	0.186	0.220	0.020	0.012	0.020			
3/8	0.3750	11/16	0.669	0.688	0.763	0.794	23/64	0.341	0.377	15/64	0.216	0.252	0.021	0.014	0.021			
7/16	0.4375	5/8	0.728	0.750	0.830	0.866	27/64	0.403	0.441	17/64	0.247	0.285	0.022	0.015	0.022			
1/2	0.5000	7/8	0.850	0.875	0.969	1.010	31/64	0.464	0.504	19/64	0.277	0.317	0.023	0.016	0.023			
9/16	0.5625	15/16	0.909	0.938	1.037	1.083	35/64	0.526	0.568	21/64	0.307	0.349	0.024	0.017	0.024			
5/8	0.6250	1 1/16	1.031	1.062	1.175	1.227	39/64	0.587	0.631	23/64	0.337	0.381	0.025	0.018	0.025			
3/4	0.7500	1 1/8	1.212	1.250	1.382	1.443	47/64	0.710	0.758	27/64	0.398	0.446	0.027	0.020	0.027			
7/8	0.8750	1 7/16	1.394	1.438	1.589	1.660	55/64	0.833	0.885	31/64	0.458	0.510	0.029	0.022	0.029			
1	1.0000	1 5/8	1.575	1.625	1.796	1.876	63/64	0.956	1.012	35/64	0.519	0.575	0.031	0.024	0.031			
1 1/8	1.1250	1 13/16	1.756	1.812	2.002	2.093	1 7/64	1.079	1.139	39/64	0.579	0.639	0.033	0.027	0.033			
1 1/4	1.2500	2	1.938	2.000	2.209	2.309	1 11/64	1.187	1.251	23/32	0.687	0.751	0.035	0.030	0.035			
1 1/2	1.3750	2 3/16	2.119	2.188	2.416	2.526	1 15/64	1.310	1.378	25/32	0.747	0.815	0.038	0.033	0.038			
1 3/4	1.5000	2 1/2	2.300	2.375	2.622	2.742	1 19/64	1.433	1.505	27/32	0.808	0.880	0.041	0.036	0.041			
2	1.6250	2 9/16	2.481	2.562	2.828	2.959	1 23/64	1.556	1.632	29/32	0.868	0.944	0.044	0.038	0.044			
2 1/8	1.7500	2 5/8	2.662	2.750	3.035	3.175	1 27/64	1.679	1.759	31/32	0.929	1.009	0.048	0.041	0.048			
2 1/4	1.8750	2 15/16	2.844	2.938	3.242	3.392	1 31/64	1.802	1.886	1 1/32	0.989	1.073	0.051	0.044	0.051			
2 1/2	2.0000	3	3.025	3.125	3.449	3.608	1 35/64	1.925	2.013	1 3/32	1.050	1.138	0.055	0.047	0.055			
2 3/4	2.2500	3 1/8	3.388	3.500	3.862	4.041	2 1/32	2.155	2.251	1 11/64	1.155	1.251	0.061	0.052	0.061			
3	2.5000	3 1/2	3.750	3.875	4.275	4.474	2 29/64	2.401	2.505	1 29/64	1.401	1.505	0.068	0.058	0.068			
3 1/8	2.7500	4	4.112	4.250	4.688	4.907	2 45/64	2.647	2.759	1 37/64	1.522	1.634	0.074	0.064	0.074			
3 1/4	3.0000	4 1/8	4.475	4.625	5.102	5.340	2 61/64	2.893	3.013	1 45/64	1.643	1.763	0.081	0.070	0.081			
3 3/8	3.2500	5	4.838	5.000	5.515	5.774	3 1/32	3.124	3.252	1 57/64	1.748	1.876	0.087	0.075	0.087			
3 1/2	3.5000	5 1/8	5.200	5.375	5.928	6.207	3 29/64	3.370	3.506	1 59/64	1.870	2.006	0.094	0.081	0.094			
3 3/4	3.7500	5 3/8	5.562	5.750	6.341	6.640	3 45/64	3.616	3.760	2 1/16	1.990	2.134	0.100	0.087	0.100			
4	4.0000	6	5.925	6.125	6.755	7.073	3 61/64	3.862	4.014	2 3/16	2.112	2.264	0.107	0.093	0.107			

GENERAL NOTES:

(a) For additional requirements refer to section 3, General Data.

(b) Chamfers and Washer Faces. Nuts in sizes 1/16 in. nominal size and smaller shall be double-chamfered. Larger size nuts shall be double-chamfered or have washer-faced bearing surface and chamfered top.

(c) Optional Bearing Surface Runout. Where purchaser specifies close runout of bearing face style heavy hex or heavy hex jam nuts in nominal sizes 2 in. to 4 in., nuts shall be so processed as to have a maximum bearing face runout of 0.010 in. FIM.

NOTES:

- (1) See para. 3.1.
- (2) See para. 3.2.
- (3) See paras. 3.3 and 3.9.