

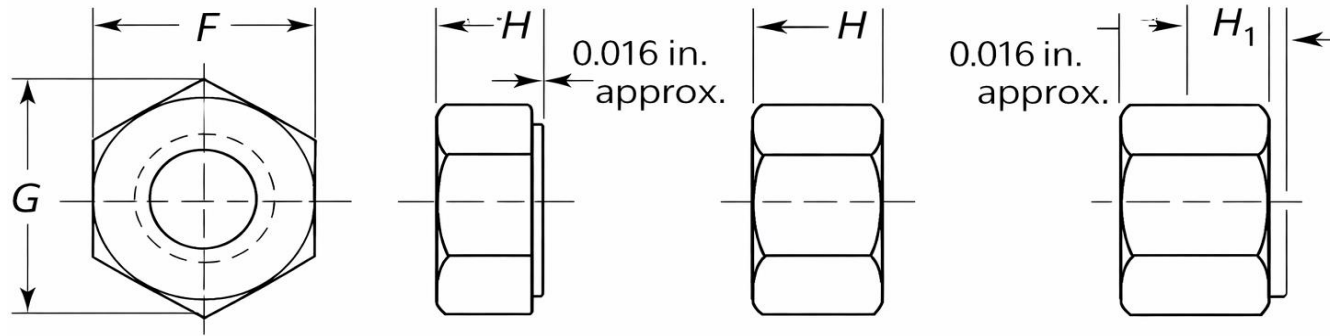
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Dimensions of Heavy Hex Nuts and Heavy Hex Jam Nuts

ANSI B 18. 2.2-2010

Nominal Size	Basic Major Diameter of Thread	F			G		H			H ₁			Maximum Runout of Bearing Surface to Thread Axis, FIM		
		Width Across Flats			Width Across Corners		Thickness Heavy Hex Nuts			Thickness Heavy Hex Jam Nuts			Heavy Hex Nuts		Heavy Hex Jam Nuts
		Basic	Min.	Max.	Min.	Max.	Basic	Min.	Max.	Basic	Min.	Max.	Specified Proof Load		
													Up to 150,000 psi	150,000 psi and Greater	All Strength Levels
1/4	0.2500	1/2	0.488	0.500	0.556	0.577	15/64	0.218	0.250	11/64	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	13/64	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	3/4	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	1-1/4	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	1-7/32	1.187	1.251	23/32	0.687	0.751	0.035	0.030	0.035
1-3/8	1.3750	2-3/16	2.119	2.188	2.416	2.526	1-11/32	1.310	1.378	25/32	0.747	0.815	0.038	0.033	0.038

NOTE: ALL DIMENSIONS ARE IN INCHES.



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Nominal Size	Basic Major Diameter of Thread	F			G		H			H ₁			Maximum Runout of Bearing Surface to Thread Axis, FIM		
		Width Across Flats			Width Across Corners		Thickness Heavy Hex Nuts			Thickness Heavy Hex Jam Nuts			Heavy Hex Nuts		Heavy Hex Jam Nuts
		Basic	Min.	Max.	Min.	Max.	Basic	Min.	Max.	Basic	Min.	Max.	Specified Proof Load		
													Up to 150,000 psi	150,000 psi and Greater	All Strength Levels
1-1/2	1.5000	2-3/8	2.300	2.375	2.622	2.742	1-15/32	1.433	1.505	27/32	0.808	0.880	0.041	0.036	0.041
1-5/8	1.6250	2-9/16	2.481	2.562	2.828	2.959	1-19/32	1.556	1.632	29/32	0.868	0.944	0.044	0.038	0.044
1-3/4	1.7500	2-3/4	2.662	2.750	3.035	3.175	1-23/32	1.679	1.759	31/32	0.929	1.009	0.048	0.041	0.048
1-7/8	1.8750	2-15/16	2.844	2.938	3.242	3.392	1-27/32	1.802	1.886	1-1/32	0.989	1.073	0.051	0.044	0.051
2	2.0000	3-1/8	3.025	3.125	3.449	3.608	1-31/32	1.925	2.013	1-3/32	1.050	1.138	0.055	0.047	0.055
2-1/4	2.2500	3-1/2	3.388	3.500	3.862	4.041	2-13/64	2.155	2.251	1-13/64	1.155	1.251	0.061	0.052	0.061
2-1/2	2.5000	3-7/8	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
2-3/4	2.7500	4-1/4	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	3.0000	4-5/8	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
3-1/4	3.2500	5	4.838	5.000	5.515	5.774	3-3/16	3.124	3.252	1-13/16	1.748	1.876	0.087	0.075	0.087
3-1/2	3.5000	5-3/8	5.200	5.375	5.928	6.207	3-7/16	3.370	3.506	1-15/16	1.870	2.006	0.094	0.081	0.094
3-3/4	3.7500	5-3/4	5.562	5.750	6.341	6.640	3-11/16	3.616	3.760	2-1/16	1.990	2.134	0.100	0.087	0.100
4	4.0000	6-1/8	5.925	6.125	6.755	7.073	3-15/16	3.862	4.014	2-3/16	2.112	2.264	0.107	0.093	0.107

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