

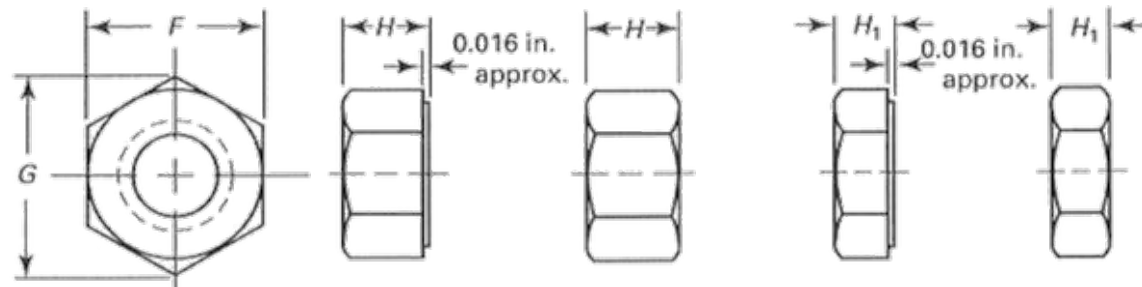
### Dimensions of Hex Nuts and Hex Jam Nuts

ANSI B 18. 2.2-2010

Nominal Size	Basic Major Diameter of Thread	F		G		H		H <sub>1</sub>		Maximum Runout of Bearing Surface to Thread Axis, FIM		
		Width Across Flats		Width Across Corners		Thickness Hex Nuts		Thickness Jam Nuts		Hex Nuts		Hex Jam Nuts
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Up to 150,000 psi	150,000 psi and Greater	All Strength Levels

1/4	0.2500	0.428	0.438	0.488	0.505	0.212	0.226	0.150	0.163	0.015	0.010	0.015
5/16	0.3125	0.489	0.500	0.557	0.577	0.258	0.273	0.180	0.195	0.016	0.011	0.016
3/8	0.3750	0.551	0.563	0.628	0.650	0.320	0.337	0.210	0.227	0.017	0.012	0.017
7/16	0.4375	0.675	0.688	0.768	0.794	0.365	0.385	0.240	0.260	0.018	0.013	0.018
1/2	0.5000	0.736	0.750	0.840	0.866	0.427	0.448	0.302	0.323	0.019	0.014	0.019
9/16	0.5625	0.861	0.875	0.982	1.010	0.473	0.496	0.301	0.324	0.020	0.015	0.020
5/8	0.6250	0.922	0.938	1.051	1.083	0.535	0.559	0.363	0.387	0.021	0.016	0.021
3/4	0.7500	1.088	1.125	1.240	1.299	0.617	0.665	0.398	0.446	0.023	0.018	0.023
7/8	0.8750	1.269	1.312	1.447	1.516	0.724	0.776	0.458	0.510	0.025	0.020	0.025
1	1.0000	1.450	1.500	1.653	1.732	0.831	0.887	0.519	0.575	0.027	0.022	0.027
1-1/8	1.1250	1.631	1.688	1.859	1.949	0.939	0.999	0.579	0.639	0.030	0.025	0.030
1-1/4	1.2500	1.812	1.875	2.066	2.165	1.030	1.094	0.687	0.751	0.033	0.028	0.033
1-3/8	1.3750	1.994	2.062	2.273	2.382	1.138	1.206	0.747	0.815	0.036	0.031	0.036
1-1/2	1.5000	2.175	2.250	2.480	2.598	1.245	1.317	0.808	0.880	0.039	0.034	0.039

NOTE: ALL DIMENSIONS ARE IN INCHES



### Dimensions of Hex Nuts and Hex Jam Nuts

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Nominal Size	Basic Major Diameter of Thread	F		G		H		H <sub>1</sub>		Maximum Runout of Bearing Surface to Thread Axis, FIM		
		Width Across Flats		Width Across Corners		Thickness Hex Nuts		Thickness Jam Nuts		Hex Nuts		Hex Jam Nuts
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Up to 150,000 psi	150,000 psi and Greater	All Strength Levels

1-5/8	1.6250	2.35	2.43	2.679	2.805	1.364	1.416	0.868	0.944	0.044	0.038	0.044
1-3/4	1.7500	2.538	2.625	2.893	3.031	1.460	1.540	0.929	1.009	0.048	0.041	0.048
1-7/8	1.8750	2.722	2.813	3.103	3.247	1.567	1.651	0.989	1.073	0.051	0.044	0.051
2	2.0000	2.900	3.000	3.306	3.464	1.675	1.763	1.050	1.138	0.055	0.047	0.055
2-1/4	2.2500	3.263	3.375	3.719	3.897	1.890	1.986	1.155	1.267	0.061	0.052	0.061
2-1/2	2.5000	3.625	3.750	4.133	4.330	2.105	2.209	1.401	1.427	0.068	0.058	0.068
2-3/4	2.7500	3.998	4.125	4.546	4.763	2.319	2.431	1.522	1.556	0.074	0.064	0.074
3	3.0000	4.350	4.500	4.959	5.196	2.534	2.654	1.643	1.685	0.081	0.070	0.081
3-1/4	3.2500	4.713	4.875	5.373	5.629	2.749	2.877	1.748	1.814	0.087	0.075	0.087
3-1/2	3.5000	5.075	5.250	5.786	6.062	2.964	3.100	1.870	1.943	0.094	0.081	0.094
3-3/4	3.7500	5.438	5.625	6.199	6.495	3.178	3.322	1.990	2.072	0.100	0.087	0.100
4	4.0000	5.800	6.000	6.612	6.928	3.393	3.545	2.112	2.201	0.107	0.093	0.107

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