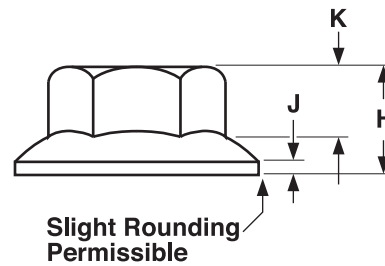
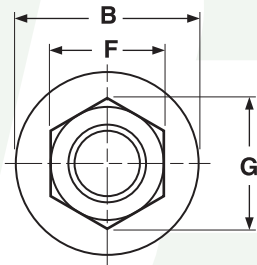


## NUTS

## HEX FLANGE

No Serrations



## HEX FLANGE NUTS

ASME B18.2.2-2010

Nominal Size or Basic Major Diameter of Thread	F		G		B		H		K	J	
	Width Across Flats		Width Across Corners		Flange Diameter		Nut Thickness		Wrenching Height	Flange Thickness	
	Max	Min	Max	Min	Max	Min	Max	Min	Min	Min	
8	0.1640	0.344	0.334	0.397	0.381	0.469	0.452	0.203	0.187	0.13	0.02
10	0.1900	0.375	0.365	0.433	0.416	0.500	0.480	0.219	0.203	0.13	0.03
1/4	0.2500	0.438	0.428	0.505	0.488	0.594	0.574	0.236	0.222	0.14	0.04
5/16	0.3125	0.500	0.489	0.577	0.557	0.680	0.660	0.283	0.268	0.17	0.04
3/8	0.3750	0.562	0.551	0.650	0.628	0.750	0.728	0.347	0.330	0.23	0.04
7/16	0.4375	0.688	0.675	0.794	0.768	0.937	0.910	0.395	0.375	0.26	0.04
1/2	0.5000	0.750	0.736	0.866	0.840	1.031	1.000	0.458	0.437	0.31	0.05
9/16	0.5625	0.875	0.861	1.010	0.982	1.188	1.155	0.506	0.483	0.35	0.05
5/8	0.6250	0.938	0.922	1.083	1.051	1.281	1.248	0.569	0.545	0.40	0.05
3/4	0.7500	1.125	1.088	1.299	1.240	1.500	1.460	0.675	0.627	0.46	0.06

<b>Description</b>	Hex nut with an enlarged circular base flaring out from the bottom of the nut. The bearing surface of the flange is smooth, with no serrations.
<b>Applications/ Advantages</b>	Will span oversized or poorly aligned holes. Flange provides a more uniform bearing-stress to clamp-force ratio than other low carbon nuts. Does not gall screw threads.
<b>Material</b>	<i>Steel</i>  Nuts shall be made from a carbon steel which conforms to the following chemical composition requirements-- <u>Low Carbon</u> : <b>Carbon</b> : 0.47% max.; <b>Phosphorus</b> : 0.12% max.; <b>Sulfur</b> : 0.23% max. <u>Grade-5 Nuts</u> : <b>Carbon</b> : 0.55% max.; <b>Manganese</b> : 0.30% min.; <b>Phosphorus</b> : 0.05% max.; <b>Sulfur</b> : 0.15% max.
<b>Hardness</b>	<u>Low Carbon</u> : Rockwell B68 - C32 <u>Grade-5 Nuts</u> : Rockwell C32 max.
<b>Plating</b>	See Appendix-A for plating information.