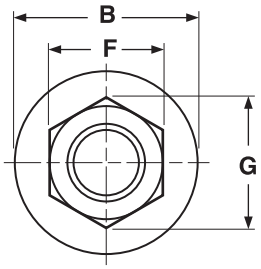
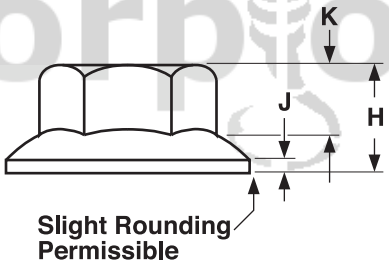
Hex Flange

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

Description	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.
Applications/ Advantages	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.
Material	***Steel***
	Nuts shall be made from a carbon steel which conforms to the following chemical composition requirements-- ***Carbon***: 0.47% max.; ***Phosphorus***: 0.12% max.; ***Sulfur***: 0.23% max.
Hardness	Rockwell B68 - C32
Plating	See Appendix-A for plating information.