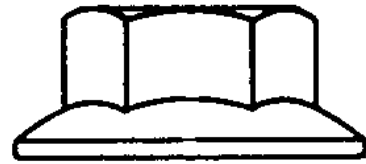


SERRATED HEX FLANGE LOCK NUTS



Nominal Size or Basic Major Diameter of Thread		Width Across Flats		Width Across Corners		Flange Diameter		Nut Thickness		Wrenching Length	Flange Thickness
		Max	Min	Max	Min	Max	Min	Max	Min	Min	Min
6	0.1380	0.312	0.302	0.361	0.342	0.422	0.406	0.171	0.156	0.10	0.02
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
12	0.2160	0.438	0.428	0.505	0.488	0.594	0.574	0.236	0.222	0.14	0.04
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
7/8	0.8750	1.179	1.166	1.361	1.295	1.682		0.786	0.742		0.11

Description	Hex nut with an enlarged circular base flaring out from the bottom of the nut. The bearing surface of the flange has serrations which displace material on the mating surface when the nut is wrenched into place, forming a connection which resists loosening.	
Applications/Advantages	Requires a greater amount of torque to loosen than to tighten the nut. Will span oversized or poorly aligned holes. Flange provides a more uniform bearing-stress to clamp-force ratio than other low carbon lock nuts. Does not gall screw threads.	
Material	<i>Steel</i>	<i>Stainless</i>
	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..	18-8 stainless steel
Heat Treatment	Nuts are case hardened to the proper surface hardness to ensure the serrations will have sufficient gripping strength.	-
Surface Hardness	Rockwell C40 maximum	Rockwell B95 - C32
Plating	Steel serrated flange lock nuts are usually supplied with a zinc plating.	Stainless serrated flange lock nuts are usually provided without any additional plating.