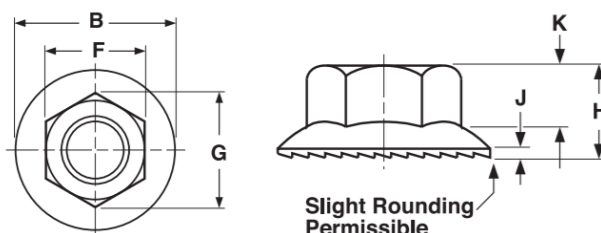


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HEX SERRATED FLANGE LOCK NUTS – STEEL ZINC AND 18-8 STAINLESS STEEL

The following Specification Sheet applies to all **Hex Serrated Flange Lock Nuts – Steel Zinc and 18-8 Stainless Steel** in our **JSFN** series.



SERRATED HEX FLANGE LOCK NUTS											ASME B18.16.4-2008
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
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

*ASME specification applies to diameters.

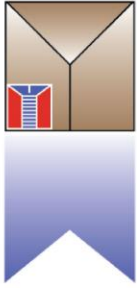
Metallics

229 Cross Street
Bristol, CT 06010

www.metallics.us

Phone: 860 589-4186 Toll Free: 800 243-8272

Fax: 860 584-1008 Toll Free Fax: 800 831-9358



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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 hardness to ensure the serrations will have sufficient gripping strength.	-
Case Hardness	Rockwell HR15N 78 - 90	-
Plating	Steel flange nuts are supplied in various finishes, including clear zinc, black zinc and black oxide.	Stainless flange nuts are usually provided without any additional plating.

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