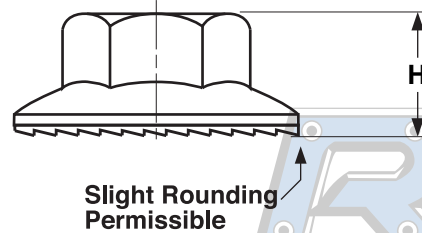
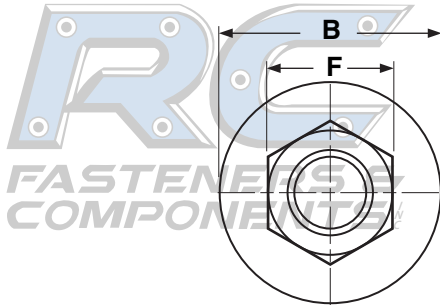


SERRATED LARGE FLANGE

Free-Spinning Lock-Nut

FASTENERS & COMPONENTS



FASTENERS & COMPONENTS

SERRATED LARGE FLANGE HEX LOCK NUTS

Nominal Size or Basic Major Diameter of Thread	F Width Across the Flats	B Flange Diameter		H Nut Thickness			
		Max	Min	Max	Min		
		1/4	0.2500	.437	.428	.728	.687
5/16	0.3125	.500	.489	.823	.790	.375	.343
3/8	0.3750	.562	.551	.915	.884	.406	.390
1/2	0.5000	.750	.736	1.031	1.000	.515	.485

Description	Hex nut with a circular base flaring out from the bottom of the nut that is 6% to 25% wider than the flange of a standard serrated flange 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 that resists loosening.		
Applications/ Advantages	Offers the same advantages of the standard serrated flange lock nut, including reusability, but will span even larger holes. Also has a more uniform bearing-stress to clamp-force ratio than the standard serrated flange nut. Grade 5 nuts are designed to be used with Grade 5 screws and bolts; Grade 8 nuts are designed to be used with Grade 8 screws and bolts.		
Material	Low Carbon	Grade 5	Grade 8
	Low carbon steel	Nuts shall be made from a carbon steel which conforms to the following chemical composition requirements-- Carbon: 0.55% max.; Manganese: 0.30% min.; Phosphorus: 0.05% max.; Sulfur: 0.15% max.	Nuts shall be made from a carbon steel which conforms to the following chemical composition requirements-- Carbon: 0.55% max.; Manganese: 0.30% min.; Phosphorus: 0.04% max.; Sulfur: 0.05% max.
Hardness	Rockwell C40 minimum	Rockwell 32 HRC max	1/4 thru 5/8" diameters: 24 - 32 HRC Over 5/8 thru 1" diameters: 26 - 34 HRC
Plating	See Appendix-A for plating information	Grade 5 Large Flange Nuts are usually supplied in zinc finish	Grade 8 Large Flange Nuts are usually supplied in zinc yellow finish