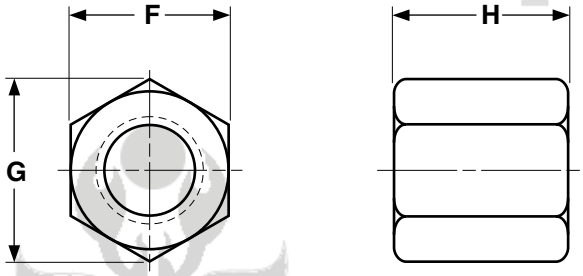
High Hex Nuts



High Hex Nuts

SAE J482

Nominal Size or Basic Major Diameter of Thread		F		G		H	
		Width Across Flats		Width Across Corners		Thickness	
		Max	Min	Max	Min	Max	Min
3/8-24	0.3750	0.5625	0.551	0.650	0.628	0.509	0.491
7/16-20	0.4375	0.6875	0.675	0.794	0.768	0.69	0.599
1/2-20	0.5000	0.7500	0.736	0.866	0.840	0.667	0.645
9/16-18	0.5625	0.8750	0.861	1.010	0.982	0.778	0.754
5/8-18	0.6250	0.9375	0.922	1.083	1.051	0.857	0.831
3/4-16	0.7500	1.0312	1.000	1.227	1.175	1.015	0.985
3/4-16	0.7500	1.1250	1.088	1.299	1.240	1.015	0.985

Description	A six-sided, internally threaded fastener that is 30% to 45% thicker than a same-sized heavy hex nut.
Applications / Advantages	Primarily used in automotives, other ground vehicles and industrial equipment that require additional wrenching area.
Material	**Nuts**: Shall be made from a low carbon steel that conforms to the following chemical composition: *Carbon*: 0.47% max.; *Phosphorous*: 0.12% max.; *Sulfur*: 0.15% max. **Washers**: SAE 1050 - 1065 carbon steel, fabricated and heat-treated
Hardness	1/4 thru 5/8” diameter: 24 - 32 HRC Over 5/8 thru 1” diameter: 26 - 34 HRC
Plating	Nuts are usually supplied with a zinc or black oxide finish. See Appendix-A for more information.