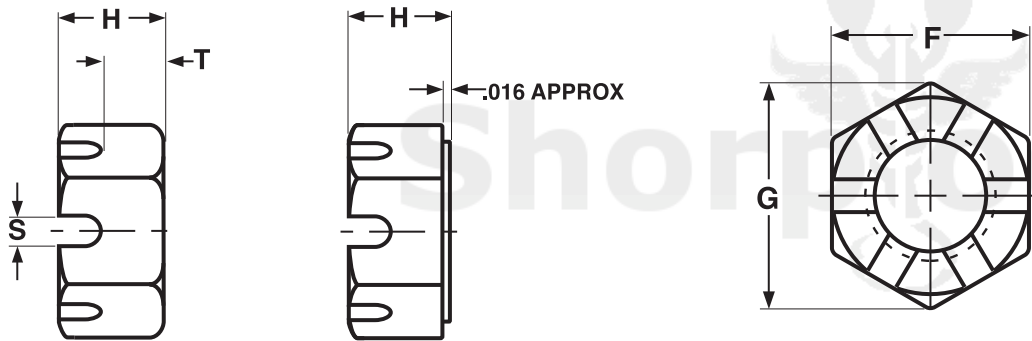


# NUTS

## HEAVY HEX SLOTTED NUTS

Steel



### HEAVY HEX SLOTTED NUTS

ASME B18.2.2  
2010

Nominal Size or Basic Major Diameter of Thread	F			G		H			T		S		Runout of Bearing Surface FIM	
	Width Across Flats			Width Across Corners		Thickness			Unslotted Thickness		Width of Slot			
	Basic	Max	Min	Max	Min	Basic	Max	Min	Max	Min	Max	Min		Max
1/2	0.5000	7/8	0.875	0.850	1.010	0.969	31/64	0.504	0.464	0.34	0.32	0.18	0.15	0.023
5/8	0.6250	1-1/16	1.062	1.031	1.227	1.175	39/64	0.631	0.587	0.40	0.38	0.24	0.18	0.025
3/4	0.7500	1-1/4	1.250	1.212	1.443	1.382	47/64	0.758	0.710	0.49	0.47	0.24	0.18	0.027
7/8	0.8750	1-7/16	1.438	1.394	1.660	1.589	55/64	0.885	0.833	0.62	0.59	0.24	0.18	0.029
1	1.0000	1-5/8	1.625	1.575	1.876	1.796	63/64	1.012	0.956	0.72	0.69	0.30	0.24	0.031
1-1/8	1.1250	1-13/16	1.812	1.756	2.093	2.002	1-7/64	1.139	1.079	0.78	0.75	0.33	0.24	0.033
1-1/4	1.2500	2	2.000	1.938	2.309	2.209	1-7/32	1.251	1.187	0.86	0.83	0.40	0.31	0.035
1-3/8	1.3750	2-3/16	2.188	2.119	2.526	2.416	1-11/32	1.378	1.310	0.99	0.95	0.40	0.31	0.038
1-1/2	1.5000	2-3/8	2.375	2.300	2.742	2.622	1-15/32	1.505	1.433	1.05	1.01	0.46	0.37	0.041

<b>Description</b>	Heavy hex nut with opposed slots cut into the top of the nut through the centers of the flats. The slots are on the end opposite the nut's bearing surface.
<b>Applications/ Advantages</b>	The slots are for the insertion of a cotter pin to secure the nut when used with a drilled shank fastener. The heavy hex variety can withstand a somewhat greater proof load than a standard slotted nut.
<b>Material</b>	Nuts shall be made from a low-carbon steel which conforms to the following chemical composition requirements-- <b>Carbon:</b> 0.47% max.; <b>Phosphorus:</b> 0.12% max.; <b>Sulfur:</b> 0.23% max..
<b>Hardness</b>	Rockwell C32 maximum
<b>Proof Load</b>	79,000 psi.
<b>Plating</b>	See Appendix-A for plating information.