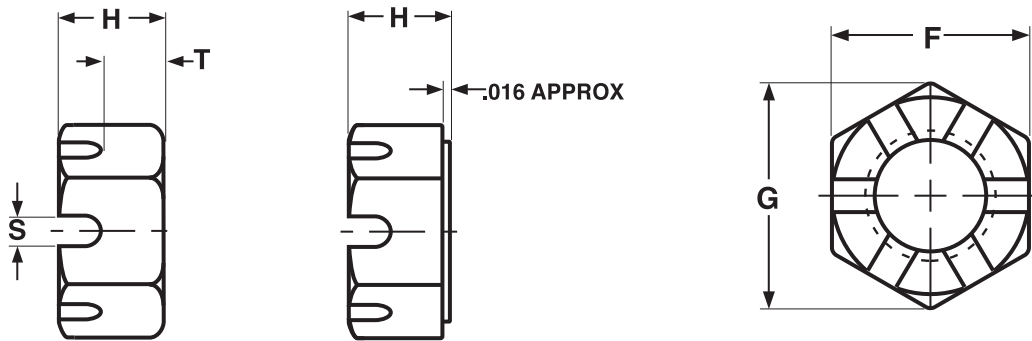


NUTS

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	
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

Description	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.
Applications/ Advantages	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.
Material	Nuts shall be made from a low-carbon steel which conforms to the following chemical composition requirements-- <i>Carbon:</i> 0.47% max.; <i>Phosphorus:</i> 0.12% max.; <i>Sulfur:</i> 0.23% max..
Hardness	Rockwell C32 maximum
Proof Load	79,000 psi.
Plating	See Appendix-A for plating information.