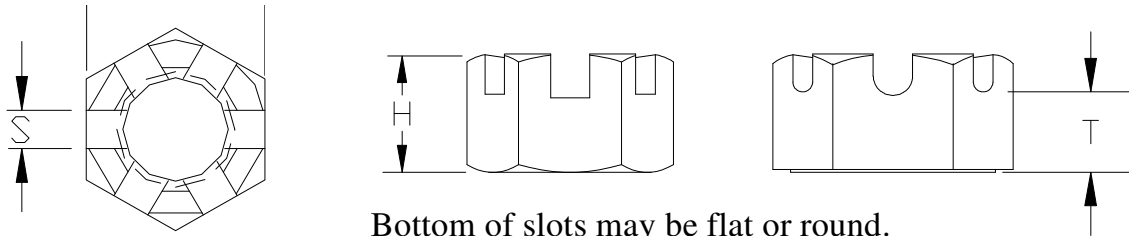


Heavy Hex Slotted Nut

Dimensions

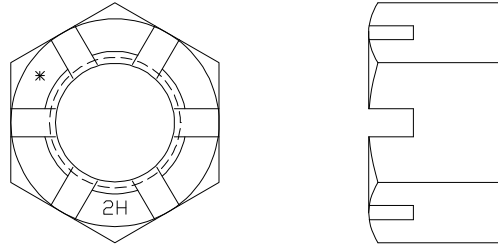


Bottom of slots may be flat or round.
Nuts may be chamfered or washers faced

Size	Slot Width S		WAF F	Heavy Hex Slotted Nut		
				Thickness H	Unslotted Thickness T	
	Max	Min	Nom	Nom	Max	Min
1/4	.100	.070	1/2	15/64	0.150	0.130
5/16	.120	.090	9/16	19/64	0.210	0.190
3/8	.150	.120	11/16	23/64	0.240	0.220
7/16	.150	.120	3/4	27/64	0.280	0.260
1/2	.180	.150	7/8	31/64	0.340	0.320
9/16	.180	.150	15/16	35/64	0.370	0.350
5/8	.240	.180	1 1/16	39/64	0.400	0.380
3/4	.240	.180	1 1/4	47/64	0.490	0.470
7/8	.240	.180	1 7/16	55/64	0.620	0.590
1	.300	.240	1 5/8	63/64	0.720	0.690
1 1/8	.330	.240	1 13/16	1 7/64	0.780	0.750
1 1/4	.400	.310	2	1 7/32	0.860	0.830
1 3/8	.400	.310	2 3/16	1 11/32	0.990	0.950
1 1/2	.460	.370	2 3/8	1 15/32	1.051	1.010
1 5/8	.460	.370	2 9/16	1 19/32	1.140	1.100
1 3/4	.520	.430	2 3/4	1 23/32	0.124	1.200
1 7/8	.520	.430	2 15/16	1 27/32	1.330	1.290
2	.520	.430	3 1/8	1 31/32	1.430	1.380
2 1/4	.520	.430	3 1/2	2 13/64	1.670	1.620
2 1/2	.640	.550	3 7/8	2 29/64	1.790	1.740
2 3/4	.640	.550	4 1/4	2 45/64	2.050	1.990
3	.710	.620	4 5/8	2 61/64	2.230	2.170
3 1/4	.710	.620	5	3 3/16	2.470	2.410
3 1/2	.710	.620	5 3/8	3 7/16	2.720	2.650
3 3/4	.710	.620	5 3/4	3 11/16	2.970	2.900
4	.710	.620	6 1/8	3 15/16	3.220	3.150

Heavy Hex Slotted Nuts

ASTM A194 Grade 2H



Earnest Machine Products offers Heavy Hex Slotted Nuts in sizes 1/4" to 4" manufactured to the Grade 2H strength level per ASTM A194.

- 1.) **Manufacture:** These hex nuts are manufactured in accordance with the latest revision of the following industry standards:

ASME B18.2.2	Dimensional Requirements
ASTM A194	Material and Physical Properties
ASME B1.1	Thread Requirements

- 2.) **Threads:** Threads are made to the requirements of ANSI B1.1 Unified Threads, 2B Fit. Thread acceptance based on ANSI B1.3, System 21

- 3.) **Material and Physical Properties:** These nuts are made from grade 2H material as specified by ASTM A194.

Chemical Composition Requirements

Carbon (C)	Manganese (Mn)	Phosphorus (P)	Sulfur (S)	Silicon (Si)
Min	Max	Max	Max	Max
0.40	1.00	0.04	0.05	0.40

Hardness

Nominal Nut Size	Rockwell Hardness
1/4 thru 1 1/2	Rc 24 – 35
1 5/8 thru 5 1/2	Rb 95 – Rc 35

- 4.) **Dimensions:** heavy hex nuts are made to the dimensions specified in ASME B18.2.2

Size	Width Across Flats	Thickness	Unslotted Thickness (min)	Slot Width (min)	Size	Width Across Flats	Thickness	Unslotted Thickness (min)	Slot Width (min)
1/4	1/2	15/64	.130	.070	1 1/2	2 3/8	1 15/32	1.010	.370
5/16	9/16	19/64	.190	.090	1 5/8	2 9/16	1 19/32	1.100	.370
3/8	11/16	23/64	.220	.120	1 3/4	2 3/4	1 23/32	1.200	.430
7/16	3/4	27/64	.260	.120	1 7/8	2 15/16	1 27/32	1.290	.430
1/2	7/8	31/64	.320	.150	2	3 1/8	1 31/32	1.380	.430
9/16	15/16	35/64	.350	.150	2 1/4	3 1/2	2 13/64	1.620	.430
5/8	1 1/16	39/64	.380	.180	2 1/2	3 7/8	2 29/64	1.740	.550
3/4	1 1/4	47/64	.470	.180	2 3/4	4 1/4	2 45/64	1.990	.620
7/8	1 7/16	55/64	.590	.180	3	4 5/8	2 61/64	2.170	.620
1	1 5/8	63/64	.690	.240	3 1/4	5	3 3/16	2.410	.620
1 1/8	1 13/16	1 7/64	.750	.240	3 1/2	5 3/8	3 7/16	2.650	.620
1 1/4	2	1 7/32	.830	.310	3 3/4	5 3/4	3 11/16	2.900	.620
1 3/8	2 3/16	1 11/32	.950	.310	4	6 1/8	3 15/16	3.150	.620