



HEAVY HEX JAM NUTS						ASME B18.2.2 2010
Nominal Size	F		G		H	
	Width Across Flats		Width Across Corners		Thickness	
	Max	Min	Max	Min	Max	Min
1/4	.500	.488	.577	.556	.188	.156
5/16	.562	.546	.650	.622	.220	.186
3/8	.688	.669	.794	.763	.252	.216
7/16	.750	.728	.866	.830	.285	.247
1/2	.875	.850	1.010	.969	.317	.277
9/16	.938	.909	1.083	1.037	.349	.307
5/8	1.062	1.031	1.227	1.175	.381	.337
3/4	1.250	1.212	1.443	1.382	.446	.398
7/8	1.438	1.394	1.660	1.589	.510	.458
1	1.625	1.575	1.876	1.796	.575	.519
1-1/8	1.812	1.756	2.093	2.002	.639	.579
1-1/4	2.000	1.938	2.309	2.209	.751	.687
1-3/8	2.188	2.119	2.526	2.416	.815	.747
1-1/2	2.375	2.300	2.742	2.622	.880	.808

Description	A six-sided internally threaded fastener which is only 2/3 the thickness of a heavy hex nut.
Applications / Advantages	Jam nuts are tightened against the work surface and a full heavy hex nut is tightened against the heavy hex jam nut to keep it from loosening.
Material	Steel nuts shall be made from a low carbon steel which conforms to the following chemical composition-- <i>Carbon:</i> 0.47% maximum; <i>Phosphorous:</i> 0.12% maximum; <i>Sulfur:</i> 0.23% maximum
Hardness	Grade 2: Rockwell C 32 maximum Grade 5: Rockwell C 32 maximum Grade 8: 1/4 thru 5/8"-- Rockwell C 24-32; Over 5/8 thru 1"-- Rockwell C 26-34; Over 1 thru 1 1/2"-- Rockwell C 26-36
Proof Load	Grade 2: <u>Coarse thread:</u> 54,000 psi.; <u>Fine thread:</u> 48,000 psi. Grade 5 (1/4 thru 1"): <u>Coarse thread:</u> 72,000 psi.; <u>Fine thread:</u> 65,000 psi. Grade 5 (over 1" thru 1 1/2"): <u>Coarse thread:</u> 63,000 psi.; <u>Fine thread:</u> 57,000 psi. Grade 8: <u>Coarse thread:</u> 90,000 psi.; <u>Fine thread:</u> 90,000 psi.
Plating	Standard finish is clear zinc.