



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	

<b>Description</b>	A six-sided internally threaded fastener which is only 2/3 the thickness of a heavy hex nut.
<b>Applications / Advantages</b>	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.
<b>Material</b>	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
<b>Hardness</b>	<b>Grade 2:</b> Rockwell C 32 maximum <b>Grade 5:</b> Rockwell C 32 maximum <b>Grade 8:</b> 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
<b>Proof Load</b>	<b>Grade 2:</b> Coarse thread: 54,000 psi.; Fine thread: 48,000 psi. <b>Grade 5 (1/4 thru 1"):</b> Coarse thread: 72,000 psi.; Fine thread: 65,000 psi. <b>Grade 5 (over 1" thru 1 1/2"):</b> Coarse thread: 63,000 psi.; Fine thread: 57,000 psi. <b>Grade 8:</b> Coarse thread: 90,000 psi.; Fine thread: 90,000 psi.
<b>Plating</b>	Standard finish is clear zinc.