



SQUARE AND HEX MACHINE SCREW NUTS										ANSI/ASME B18.6.3	
Nominal Size or Basic Thread Diameter		F			G		G1		H		
		Width Across Flats			Width Across Corners				Thickness		
		Basic	Max	Min	Square		Hex				
					Max	Min	Max	Min	Max	Min	
0	0.0600	5/32	0.156	0.150	0.221	0.206	0.180	0.171	0.050	0.043	
1	0.0730	5/32	0.156	0.150	0.221	0.206	0.180	0.171	0.050	0.043	
2	0.0860	3/16	0.188	0.180	0.265	0.247	0.217	0.205	0.066	0.057	
3	0.0990	3/16	0.188	0.180	0.265	0.247	0.217	0.205	0.066	0.057	
4	0.1120	1/4	0.250	0.241	0.354	0.331	0.289	0.275	0.098	0.087	
5	0.1250	5/16	0.312	0.302	0.442	0.415	0.361	0.344	0.114	0.102	
6	0.1380	5/16	0.312	0.302	0.442	0.415	0.361	0.344	0.114	0.102	
8	0.1640	11/32	0.344	0.332	0.486	0.456	0.397	0.378	0.130	0.117	
10	0.1900	3/8	0.375	0.362	0.530	0.497	0.433	0.413	0.130	0.117	
12	0.2160	7/16	0.438	0.423	0.619	0.581	0.505	0.482	0.161	0.148	
1/4	0.2500	7/16	0.438	0.423	0.619	0.581	0.505	0.482	0.193	0.178	
5/16	0.3125	9/16	0.562	0.545	0.795	0.748	0.650	0.621	0.225	0.208	
3/8	0.3750	5/8	0.625	0.607	0.884	0.833	0.722	0.692	0.257	0.239	

Description	<p>Hex Machine Screw Nut: A six-sided internally threaded fastener with flat tops and chamfered corners. Threads shall be Unified Standard, Class 2B.</p> <p>Square Machine Screw Nut: A four-sided, internally threaded fastener, tops and bottoms flat, without chamfer. Threads shall be Unified coarse thread, Class 2B.</p>
Applications/ Advantages	<p>Hex Machine Screw Nut: Designed to be used specifically with machine screws. Stainless nuts are used with stainless machine screws where parts are subject to corrosive conditions.</p> <p>Square Machine Screw Nut: Offers a greater bearing surface for wrenching.</p>
Material	<p>Steel: Any low carbon steel</p> <p>Stainless: 18-8 stainless steel</p>
Plating	See Appendix-A for plating information.