


Square Head Bolt Dimensions (per ASME B18.2.1)

Nom Dia.	E Body Diameter		F Width Across Flats			G Width Across Corners		H Head Height		LT Thread Length		R Fillet Radius	
	Max	Min	Nom	Max	Min	Max	Min	Max	Min	6" & Shorter Nom	Over 6" Nom	Max	Min
1/4	.260	.237	3/8	.375	.362	.530	.498	.188	.156	.750	1.000	.03	.01
5/16	.324	.298	1/2	.500	.484	.707	.665	.220	.186	.875	1.125	.03	.01
3/8	.388	.360	9/16	.562	.544	.795	.747	.268	.232	1.000	1.250	.03	.01
7/16	.452	.421	5/8	.625	.603	.884	.828	.316	.278	1.125	1.375	.03	.01
1/2	.515	.482	3/4	.750	.725	1.061	.995	.348	.308	1.250	1.500	.03	.01
5/8	.642	.605	15/16	.938	.906	1.326	1.244	.444	.400	1.500	1.750	.06	.02
3/4	.768	.729	1 1/8	1.125	1.088	1.591	1.494	.524	.476	1.750	2.000	.06	.02
7/8	.895	.852	1 5/16	1.312	1.269	1.856	1.742	.620	.568	2.000	2.250	.06	.02
1	1.022	.976	1 1/2	1.500	1.450	2.121	1.991	.684	.628	2.250	2.500	.09	.03
1 1/8	1.149	1.098	1 11/16	1.688	1.631	2.386	2.239	.780	.720	2.500	2.750	.09	.03
1 1/4	1.277	1.223	1 7/8	1.875	1.812	2.652	2.489	.876	.812	2.750	3.000	.09	.03
1 3/8	1.404	1.345	2 1/16	2.062	1.994	2.917	2.738	.940	.872	3.000	3.250	.09	.03
1 1/2	1.531	1.470	2 1/4	2.250	2.175	3.182	2.986	1.036	.964	3.250	3.500	.09	.03