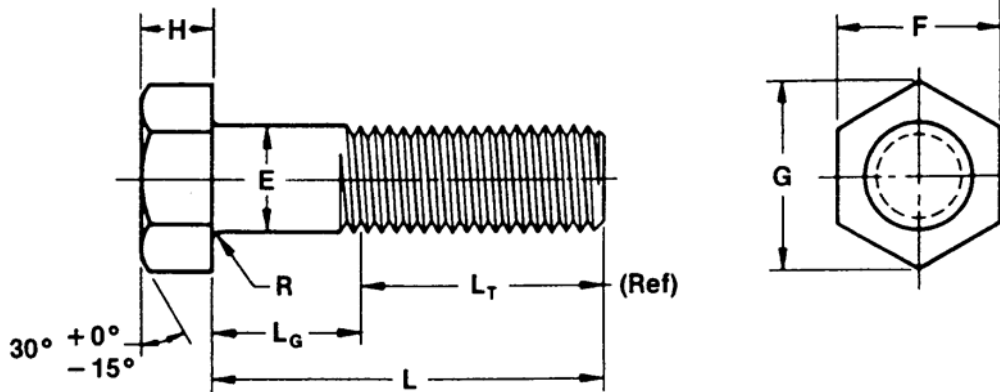


# GRADE 2 HEX HEAD BOLTS



Basic Diameter	E	F		G		H			R		
	Body Dia.	Width Across Flats		Width Across Corners		Height			Radius of Fillet		
	max.	basic	max.	min.	max.	min.	basic	max.	min.	max.	min.
1/4	0.260	7/16	0.438	0.425	0.505	0.484	11/64	0.188	0.150	0.03	0.01
5/16	0.324	1/2	0.500	0.484	0.577	0.552	7/32	0.235	0.195	0.03	0.01
3/8	0.388	9/16	0.562	0.544	0.650	0.620	1/4	0.268	0.226	0.03	0.01
7/16	0.452	5/8	0.625	0.603	0.722	0.687	19/64	0.316	0.272	0.03	0.01
1/2	0.515	3/4	0.750	0.725	0.866	0.826	11/32	0.364	0.302	0.03	0.01
5/8	0.642	15/16	0.938	0.906	1.083	1.033	27/64	0.444	0.378	0.06	0.02
3/4	0.768	1 1/8	1.125	1.088	1.299	1.240	1/2	0.524	0.455	0.06	0.02
7/8	0.895	1 5/16	1.312	1.269	1.516	1.447	37/64	0.604	0.531	0.06	0.02
1	1.022	1 1/2	1.500	1.450	1.732	1.653	43/64	0.700	0.591	0.09	0.03
1 1/8	1.149	1 11/16	1.688	1.631	1.949	1.859	3/4	0.780	0.658	0.09	0.03
1 1/4	1.277	1 7/8	1.875	1.812	2.165	2.066	27/32	0.876	0.749	0.09	0.03
1 3/8	1.404	2 1/16	2.062	1.994	2.382	2.273	29/32	0.940	0.810	0.09	0.03
1 1/2	1.531	2 1/4	2.250	2.175	2.598	2.480	1	1.036	0.902	0.09	0.03
1 3/4	1.785	2 5/8	2.625	2.538	3.031	2.893	1 5/32	1.196	1.054	0.12	0.04
2	2.039	3	3.000	2.900	3.464	3.306	1 11/32	1.388	1.175	0.12	0.04
2 1/4	2.305	3 3/8	3.375	3.262	3.897	3.719	1 1/2	1.548	1.327	0.19	0.06
2 1/2	2.559	3 3/4	3.750	3.625	4.330	4.133	1 21/32	1.708	1.479	0.19	0.06
2 3/4	2.827	4 1/8	4.125	3.988	4.763	4.546	1 13/16	1.869	1.632	0.19	0.06
3	3.081	4 1/2	4.500	4.350	5.196	4.959	2	2.060	1.815	0.19	0.06
3 1/4	3.335	4 7/8	4.875	4.712	5.629	5.372	2 3/16	2.251	1.936	0.19	0.06
3 1/2	3.589	5 1/4	5.250	5.075	6.062	5.786	2 5/16	2.380	2.057	0.19	0.06
3 3/4	3.858	5 5/8	5.625	5.437	6.495	6.198	2 1/2	2.572	2.241	0.19	0.06
4	4.111	6	6.000	5.800	6.928	6.612	2 11/16	2.764	2.424	0.19	0.06

ASME B18.2.1

