

Hex Bolt Weight Chart

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About how much a box of hex bolts weighs — for freight, shipping and load planning. These are the same figures as our online **Bolt Weight Calculator**: head plus a round shank at the nominal diameter.

WEIGHT OF 100 HEX BOLTS, LB												steel, finished hex head (ANSI B18.2.1), by diameter × length under the head											
DIA.	1"	1.5"	2"	2.5"	3"	4"	5"	6"	8"	10"	12"	+ PER INCH											
1/4"	2.2	2.9	3.6	4.2	4.9	6.3	7.7	9.1	12	15	17	1.39											
5/16"	3.5	4.6	5.6	6.7	7.8	10.0	12	14	19	23	27	2.18											
3/8"	5.0	6.6	8.2	9.7	11	14	18	21	27	33	39	3.13											
7/16"	7.1	9.2	11	13	16	20	24	28	37	45	54	4.26											
1/2"	10	13	16	18	21	27	32	38	49	60	71	5.57											
5/8"	17	22	26	30	35	44	52	61	78	96	113	8.70											
3/4"	28	34	40	46	53	65	78	90	115	140	165	12.53											
7/8"	41	49	58	66	75	92	109	126	160	194	228	17.05											
1"	57	68	79	90	101	124	146	168	213	257	302	22.27											
1-1/8"	78	93	107	121	135	163	191	219	276	332	389	28.19											
1-1/4"	105	122	140	157	175	209	244	279	349	418	488	34.80											
1-1/2"	171	196	221	246	271	322	372	422	522	622	722	50.12											

Longer than the chart? Take the 12" figure and add the **per-inch** number for every inch over. Nuts and washers are extra.

Other metals: stainless ≈ steel × 1.02 · brass ≈ × 1.09 · aluminum ≈ × 0.35. Estimates for freight and shipping, not certified weights; threads make a real bolt slightly lighter.



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