

# WEIGHTS OF FINISHED HEX BOLTS

## APPROXIMATE WEIGHT OF 100 STEEL BOLTS IN POUNDS

Length (Inches)	Diameter (inches)														
	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2	1-3/4	2
3/4	1.64	2.67	3.96	—	—	—	—	—	—	—	—	—	—	—	—
1	1.89	3.08	4.56	6.21	9.34	16.9	—	—	—	—	—	—	—	—	—
1 1/4	2.23	3.54	5.16	7.03	10.5	18.7	—	—	—	—	—	—	—	—	—
1 1/2	2.56	4.07	5.92	7.96	11.7	20.4	31.9	46.0	65.7	—	—	—	—	—	—
1 3/4	2.90	4.59	6.68	8.99	13.1	22.1	34.4	49.5	70.3	—	—	—	—	—	—
2	3.24	5.12	7.44	10.02	14.5	24.2	37.0	53.1	74.9	—	—	—	—	—	—
2-1/4	3.57	5.64	8.20	11.2	15.9	26.3	39.9	56.6	79.5	—	—	—	—	—	—
2-1/2	3.91	6.17	8.96	12.2	17.2	28.4	43.0	60.7	84.1	111	147	178	224	330	462
2-3/4	4.25	6.69	9.71	13.3	18.6	30.6	46.0	64.8	89.5	117	154	186	235	344	481
3	4.58	7.22	10.5	14.3	20.0	32.6	49.1	68.9	94.8	124	161	195	246	358	499
3-1/4	4.92	7.74	11.2	15.4	21.4	34.7	52.1	73.1	100	131	170	206	256	373	518
3-1/2	5.26	8.27	12.0	16.4	22.8	36.8	55.1	77.2	106	137	178	216	269	387	537
3-3/4	5.59	8.79	12.7	17.4	24.2	38.9	58.1	81.3	111	144	187	227	281	402	556
4	5.93	9.32	13.5	18.5	25.6	41.0	61.2	85.4	117	151	195	237	294	419	575
4-1/4	6.27	9.84	14.3	19.5	26.9	43.1	64.2	89.5	122	158	203	248	306	436	594
4-1/2	6.61	10.4	15.0	20.5	28.3	45.2	67.2	93.7	127	165	212	258	319	453	616
4-3/4	6.94	10.9	15.8	21.8	29.6	47.3	70.2	97.8	133	171	220	269	331	470	639
5	7.28	11.5	16.6	22.8	31.1	49.4	73.2	102	138	178	229	279	344	487	661
5-1/4	7.62	12.0	17.3	23.8	32.4	51.5	76.3	107	143	185	237	290	356	504	683
5-1/2	7.96	12.6	18.1	24.8	33.8	53.6	79.3	111	149	192	245	300	369	521	705
5-3/4	8.29	13.0	18.8	25.7	35.2	55.7	82.3	115	154	199	254	310	381	538	728
6	8.65	13.7	19.7	26.9	36.5	57.8	85.3	119	160	205	262	321	394	555	750
6-1/4	8.88	14.0	20.2	27.3	37.2	59.5	87.9	122	164	211	270	330	405	569	769
6-1/2	9.22	14.5	20.9	28.3	38.6	61.6	90.9	127	170	218	278	341	417	586	791
6-3/4	9.55	15.0	21.7	29.4	39.5	63.7	93.9	131	175	225	286	351	430	603	813
7	9.89	15.6	22.5	30.4	40.9	65.8	96.9	135	180	232	295	362	442	621	835
7-1/4	10.2	16.1	23.2	31.4	42.3	67.9	100	139	186	238	303	372	455	638	858
7-1/2	10.6	16.6	24.0	32.5	43.5	70.0	103	143	191	245	311	383	467	654	880
7-3/4	10.9	17.1	24.7	33.5	44.9	72.0	106	147	196	252	320	393	480	672	902
8	11.2	17.7	25.5	34.5	46.1	74.1	109	151	202	259	328	404	492	689	925
8-1/2	11.9	18.7	27.0	36.6	48.8	78.3	115	159	213	272	345	424	517	723	969
9	12.6	19.8	28.5	38.6	51.5	82.4	121	168	223	286	362	446	542	757	1013
9-1/2	13.3	20.8	30.1	40.7	54.2	86.6	127	176	234	300	379	466	567	792	1058
10	13.9	21.9	31.6	42.8	57.0	90.8	133	184	245	313	395	488	592	825	1103
10-1/2	14.6	22.9	33.1	44.8	59.6	94.9	139	192	255	327	412	508	617	860	1147
11	15.3	24.0	34.6	46.9	62.3	99.1	145	201	266	340	429	530	642	893	1191
11-1/2	15.9	25.0	36.1	48.9	65.0	103	151	209	277	354	446	550	667	927	1237
12	16.6	26.1	37.6	51.0	67.6	107	158	217	288	368	462	572	692	961	1280
12-1/2	17.3	27.1	39.2	53.1	70.4	112	164	225	298	381	479	592	717	996	1324
13	18.0	28.2	40.7	55.1	73.0	115	170	234	309	395	496	614	742	1030	1369

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Diameter (inches) Length (Inches)	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2	1-3/4	2
13-1/2	18.6	29.2	42.2	57.2	75.7	119	176	242	320	408	513	634	767	1064	1413
14	19.3	30.3	43.7	59.2	78.4	123	182	250	331	422	530	656	792	1096	1458
14-1/2	20.1	31.3	45.2	61.3	81.1	127	188	258	341	436	546	677	817	1115	1503
15	20.7	32.4	46.7	63.4	83.8	132	194	267	352	449	563	698	842	1166	1547
15-1/2	21.3	33.4	48.3	65.4	86.5	136	200	275	363	463	591	719	867	1200	1593
16	22.0	34.5	49.8	67.5	89.2	140	206	283	374	476	597	739	892	1234	1638
16-1/2	22.7	35.5	51.3	69.5	91.9	144	212	291	384	490	613	760	917	1268	1683
17	23.4	36.6	52.8	71.6	94.5	148	218	300	395	504	630	781	942	1302	1725
17-1/2	24.0	37.6	54.3	73.7	97.2	152	224	308	406	517	647	803	967	1336	1771
18	24.7	38.7	55.9	75.7	99.6	157	230	316	417	531	664	824	992	1371	1823
18-1/2	25.4	39.7	57.4	77.8	102	161	236	324	427	544	681	844	1017	1404	1861
19	26.1	40.8	58.9	79.8	105	165	242	333	438	558	697	865	1042	1439	1903
19-1/2	26.7	41.8	60.4	81.9	108	169	248	341	449	572	714	886	1067	1474	1948
20	27.4	42.9	61.9	84.0	110	173	254	349	460	585	731	908	1092	1506	1993
21	—	—	—	—	116	182	266	365	481	612	765	949	1142	1576	2083
22	—	—	—	—	121	190	278	382	502	640	798	991	1192	1644	2171
23	—	—	—	—	127	199	290	398	524	667	832	1034	1242	1711	2261
24	—	—	—	—	132	207	302	415	544	694	865	1074	1292	1780	2349
25	—	—	—	—	—	—	315	431	566	721	899	1117	1342	1847	2441
26	—	—	—	—	—	—	327	448	587	748	932	1159	1392	1916	2528
27	—	—	—	—	—	—	339	464	609	776	966	1200	1442	1983	2622
28	—	—	—	—	—	—	351	481	630	803	999	1244	1492	2054	2708
29	—	—	—	—	—	—	363	497	652	830	1033	1286	1542	2124	2793
30	—	—	—	—	—	—	375	514	673	857	1067	1328	1592	2189	2883

Note: For materials other than steel, refer to conversion table on page 145