



# ALLOY & STAINLESS FASTENERS

## HEAVY HEX BOLT WEIGHT PER 100 PIECES

(Approximate Weight of 100 Steel Bolts in Pounds)

LENGTH	DIAMETER										
	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
1	10.6	18.3	—	—	—	—	—	—	—	—	—
1 1/4	11.7	20.0	—	—	—	—	—	—	—	—	—
1 1/2	12.8	21.7	33.9	49.5	69.6	—	—	—	—	—	—
1 3/4	14.1	23.5	36.5	53.0	74.2	—	—	—	—	—	—
2	15.5	25.6	39.0	56.6	78.8	—	—	—	—	—	—
2 1/4	16.8	27.7	42.0	60.1	83.4	—	—	—	—	—	—
2 1/2	18.2	29.8	45.0	64.2	88.0	115	152	183	230	339	469
2 3/4	19.5	31.9	48.1	68.3	94	121	159	191	241	353	488
3	20.9	34.0	51.1	72.4	99	128	167	200	252	367	506
3 1/4	22.2	36.0	54.1	76.6	104	134	175	211	262	382	525
3 1/2	23.6	38.1	57.1	80.7	110	141	183	221	275	396	544
3 3/4	24.9	40.2	60.1	84.8	115	148	192	232	287	411	563
4	26.2	42.3	63.2	88.9	120	155	200	242	300	428	582
4 1/4	27.6	44.4	66.2	93.0	126	162	209	253	312	445	601
4 1/2	28.9	46.5	69.2	98	131	168	217	263	325	462	623
4 3/4	30.3	48.6	72.2	102	137	175	225	274	337	479	646
5	31.6	50.7	75.2	106	142	182	234	284	350	496	668
5 1/4	33.0	52.8	78.3	110	147	189	242	295	362	513	690
5 1/2	34.3	54.9	81.3	114	153	196	251	305	375	530	712
5 3/4	35.7	57.0	84.3	118	158	202	259	315	387	547	735
6	37.0	59.1	87.3	122	163	209	267	326	400	564	757
6 1/4	38.1	60.8	89.9	126	168	215	275	335	411	578	776
6 1/2	39.4	62.9	92.9	130	173	222	283	346	432	595	798
6 3/4	40.8	65.0	96	134	179	229	291	356	436	612	820
7	42.1	67.1	99	138	184	235	300	367	448	630	842
7 1/4	43.5	69.2	102	142	189	242	308	377	461	647	865
7 1/2	44.8	71.3	105	146	195	249	317	388	473	663	887
7 3/4	46.2	73.4	108	151	200	256	325	398	486	681	909
8	47.5	75.5	111	155	206	263	333	409	498	698	932
8 1/2	50.2	79.7	117	163	216	276	350	429	523	732	976
9	52.9	83.9	123	171	227	290	367	451	548	766	1020
9 1/2	55.6	88.1	129	179	238	303	384	471	573	801	1065
10	58.3	92.3	135	188	249	317	401	493	598	834	1110
10 1/2	61.0	96.4	142	196	259	331	417	513	623	869	1154
11	63.6	100	148	204	270	344	434	535	648	902	1198
11 1/2	66.3	105	154	212	281	358	451	555	673	936	1244
12	69.0	109	160	221	291	371	468	577	698	970	1287
12 1/2	71.7	113	166	229	302	385	484	597	723	1005	1331
13	74.4	117	172	237	313	399	501	619	748	1039	1376
13 1/2	77.1	121	178	245	324	412	518	639	773	1073	1420
14	79.8	126	184	254	334	426	535	661	798	1105	1465
14 1/2	82.5	130	190	262	345	439	552	682	823	1124	1510
15	85.2	134	196	270	356	453	568	703	848	1175	1554
15 1/2	87.9	138	202	278	367	467	585	724	873	1209	1600
16	90.5	142	208	286	377	480	602	744	898	1243	1645

### WEIGHT CONVERSION TABLE

MATERIALS	CONVERSION FACTOR	MATERIALS	CONVERSION FACTOR	MATERIALS	CONVERSION FACTOR
Type 304 Stainless Steel	1.011	Phosphor Bronze	1.124	Inconel*	1.085
Type 316 Stainless Steel	1.011	Manganese Bronze	1.067	Aluminum	0.353
Type 410 Stainless Steel	0.989	Aluminium Bronze	1.042	Titanium Alloy	0.576
Leaded Brass (Free Cutting Brass)	1.085	Copper	1.145	Hastelloy C**	1.146
Cold Heading Brass (Yellow Brass)	1.082	Cupro Nicket	1.141	Hastelloy B**	1.187
Naval Brass	1.074	Monel Metal	1.127		
Low Silicon Bronze	1.117	K-Monel Metal	1.082		
High Silicon Bronze	1.088				

\* TRADEMARK OF INTERNATIONAL NICKEL CORP.  
 \*\* TRADEMARK OF CABOT CORP.

NOTE: The weights listed above are estimated on regular steel. To obtain the approximate weight from heavy hex bolts in another material, multiply the weight per 100 pieces shown above by the conversion factor for the desired material listed in "Weight Conversion Table".