

HEX FULL THREAD BOLTS (WITHOUT NUTS) - WEIGHT CHART

DIMENSIONS IN METRIC

APPROX COUNT PER 50 KGS.

Length	D I A M E T E R																	
	M4	M5	M6	M7	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	
8 mm	33557	21008	13368	8431	5847													
10 mm	30487	19011	12254	7776	5494													
12 mm	27777	17421	11312	7225	5102	2604	1824											
16 mm	23809	14836	9784	6361	4504	2358	1655											
20 mm	20746	12919	8620	5611	4065	2155	1515											
25 mm	17857	11135	7518	4950	3597	1945	1366	943	712	518	396							
30 mm	15673	9784	6657	4385	3225	1773	1243	863	650	476	367							
35 mm	14005	8726	5973	3968	2923	1628	1141	794	598	442	340	276						
40 mm	12626	7874	5417	3597	2673	1506	1054	736	554	413	318	259	204					
45 mm	11520	7153	4950	3311	2463	1400	980	685	514	387	299	242	193					
50 mm	10570	6587	4545	3048	2293	1308	917	641	485	364	280	228	182	132	100	79		
55 mm	9765	6090	4201	2840	2136	1228	860	603	454	342	265	215	173	125	96	75		
60 mm	9090	5662	3937	2659	2000	1154	810	569	427	324	251	204	164	120	92	72	58	
65 mm	8488	5291	3676	2487	1879	1091	765	538	406	308	239	194	156	114	88	69	55	
70 mm	7961	4950	3472	2347	1773	1035	725	511	384	294	228	185	149	110	84	67	53	
75 mm		4672	3267	2212	1677	984	689	490	364	280	218	177	143	105	81	64	51	
80 mm		4424	3086	2100	1592	938	657	467	347	267	208	169	137	101	78	62	50	
85 mm			2941	1992	1515	896	627	446	333	256	200	162	132	97	75	59	48	
90 mm			2793	1901	1445	857	600	427	318	246	192	155	127	94	72	57	46	
100 mm			2550	1736	1326	789	552	393	294	228	177	144	118	87	68	54	43	
110 mm			2350		1222	730	511	364	271	211	165	134	110	82	64	51	41	
120 mm			2000		1120	681	476	340	253	198	155	125	103	77	60	48	39	
130 mm			1900		1040	637	446	318	238	185	145	118	97	72	57	45	37	
140 mm			1800		980	599	420	299	223	175	137	111	92	69	54	43	35	
150 mm			1700		930	565	396	282	210	166	130	105	87	65	51	41	33	
160 mm						555	385		198	157	123	100	83	62	49	39	32	
170 mm						535	360		187	150	117	95	79	59	47	37	30	
180 mm						490	340		181	143	112	91	74	57	45	35	29	
190 mm							325		172	136	107	87	72	54	43	34	28	
200 mm						450	310		168	131	103	83	69	52	41	33	27	

HEX FULL THREAD BOLTS (NUTS)

WEIGHT CHART

APPROX COUNT PER 50 KGS.

SIZE	OLD SPECIFICATION HEX NUTS IS 1363 / 67 DIN 934	H=O HEIGHT = DIAMETER HEX NUTS
M-2	454550	
M-3	151500	
M-4	74075	
M-5	45045	
M-6	21551	
M-7	17000	
M-8	10373	
M-10	4900	3900
M-12	3144	2575
M-14	2083	1640
M-16	1623	1280
M-18	1124	860
M-20	829	665
M-22	700	550
M-24	485	390
M-27	324	268
M-30	231	188
M-33	184	145
M-36	135	114
M-39	105	87
M-42	87	68
M-45	68	54
M-48	54	44
M-52	46	36
M-56	38	30
M-60	31	26
M-64	27	22
M-72	20	16
M-80	15	
M-90	11	
M-100	8	

SIZE	NEW SPECIFICATION HEX NUTS IS 1363/92
M-10x16 A/F	5500
M-12x18 A/F	3600
M-16	1500
M-20	750
M-22	560
M-24	400

SIZE	HEX NUTS BSW/BSF	SQUARE NUTS - BSW	ASTM A-194 UNC HEAVY HEX NUTS
1/8"	122000		
5/32"	94300		
3/16"	37600		
1/4"	15500	14700	
5/16"	9800	7650	6600
3/8"	6121	5175	3650
7/16"	3600	2971	2500
1/2"	2250	1868	1690
5/8"	1150	992	950
3/4"	696	567	580
7/8"	580	458	395
1"	385	324	278
1.1/8"	275	214	190
1.1/4"	188	150	146
1.3/8"	132		113
1.1/2"	110		83
1.5/8"			68
1.3/4"	70		55
2"	61		37
2.1/4"	45		27
2.1/2"	29		21
2.3/4"	19		15
3"	15		11
0 BA	18500		
2 BA	39700		

HEX LOCK NUTS (BSW / BSF) - WEIGHT CHART

APPROX. WEIGHT PER 100 PCS.

Size	Weight (Kg.)
1/4"	0.19
5/16"	0.34
3/8"	0.51
7/16"	0.93
1/2"	1.43
5/8"	2.70
3/4"	4.80
7/8"	5.60

Size	Weight (Kg.)
1"	8.50
1.1/8"	11.80
1.1/4"	17.20
1.3/8"	23.00
1.1/2"	28.00
1.3/4"	46.00
2"	54.00



SOCKET HEAD CAP SCREWS

DIN 912 GRADE 12.9

METRIC
SERIES

DIA	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16
L.E.N.	KEY M1.5	KEY M2	KEY M2.5	KEY M3	KEY M4	KEY M5	KEY M6	KEY M8	KEY M10	KEY M12	KEY M14
4	696	750	366								
5	418	510	248	228							
6	443	499	217	228	215	315					
8	475	499	192	192	215	260					
10	526	550	174	169	170	243	500				
12	587	623	174	174	173	243	534	891			
14			259	306	230	286	481	891			
16	646	670	192	197	181	255	508	891	1523		
18			277	348	328	290	569	891	1523		
20	689	716	204	227	213	270	534	858	1275		
22				364	353	344	605	1043	1498		
25	827	958	208	240	230	319	578	952	1398	4107	4061
30	810	990	270	277	270	349	644	1106	1525	3783	3358
35			330	338	321	394	701	1187	1611	3055	3526
40			384	379	346	440	776	1262	1739	3132	3786
45			560	434	396	470	848	1391	1911	3155	4008
50			738	517	435	516	928	1507	2070	3306	4200
55				799	526	591	1054	1613	2309	3548	4614
60			1046	1358	689	690	1090	1755	2401	3788	4614
65			1171	1358	993	756	1199	1885	2574	4046	4983
70				1423	1193	769	1349	2022	2733	4305	5265
75				1661	1415	930	1497	2088	2890	4512	5472
80				2736	1499	1079	1803	2193	3049	4822	6035
85							1903	2311	3276	5103	6321
90				2988	2008	1283	1966	2369	3497	5424	6629
95							2019	2673	3741	5684	7108
100				3120	2770	1646	2021	2776	3741	5684	7108
105							2715	2860	4221	5900	7677
110				3408	3438	2580	2715	2815	4221	5900	7677
120				5000	3768	3311	2911	3976	4584	9168	8327
130					4695	3500	3706	4463	5473	10419	9165
140					5240	4863	3966	5058	6180	10680	9616
150					6198	5583	4275	5448	7279	11673	10629
160					8020	9391	5583	7534	9525	14151	14601
170					8111	10324	6204	8203	9571	15646	15248
180					9068	11000	7270	9216	11116	16045	16144
190					10025	12374	8373	10329	11330	17706	17211
200					10983	12374	10140	12075	12753	20405	17759
210							24380		17873	22821	31454
220							24380	29723	22183	24826	31454
230							27370	29723		25941	33090
240							27370	33594	26765	26775	36713
250							29670	33594	31588	27624	41911
260							29670	42721	31525		48409
270							42298		40888		50231
280							44457	46375	40888		54181
290							47458				57668
300							49095	51119	44161		60479

RECOMMENDED SALE PRICE FOR 100 PCS.



SOCKET HEAD CAP SCREWS BS-2470 GRADE 12.9

INCH
SERIES
BSW

DIA	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
LENGTH	KEY 3/32"	KEY 5/32"	KEY 3/16"	KEY 7/32"	KEY 5/16"	KEY 5/16"	KEY 3/8"	KEY 1/2"	KEY 9/16"	KEY 9/16"	KEY 5/8"
3/8	228	254	301								
1/2	228	254	298	504	788						
5/8	266	254	298	504	848						
3/4	266	270	320	520	694		1801				
1	282	304	388	581	789	1555	1801	3968			
1.1/4	353	382	436	623	915	1728	2022	3725	6574		
1.1/2	432	437	503	730	1043	1864	2243	3916	7560	15438	
1.3/4	604	528	569	800	1121	2008	2464	4644	9214	20100	
2	666	577	645	866	1279	2293	2686	4680	8375	20231	
2.1/4		604	895	1089	1421		3000	4739	9083		
2.1/2		1189	895	1223	1531	2775	3254	5054	9083	22569	
2.3/4		1352	994	1595	1737		3475	5529	9858		
3		1829	1250	1595	1817	3510	3696	5845	9858	26261	31364
3.1/4			1549	2014	2371		4027	6161	10638		
3.1/2			1820	2014	2371	4673	4376	6634	10638	26261	36800
4			2515	2520	2666	5411	4659	7661	11665	30868	37950
4.1/2				4038	3873		5393	8886	13670	34471	44533
5				5090	4725		5848	9721	15190	39304	44546
5.1/2				5870	5335		6608	10785	17389		
6				6788	5795		7455	11848	20989	68225	52175
6.1/2					13294		11500	17819	24418		
7					13294		12094	19039	27844	76811	
7.1/2							12484	23618	32718		
8							14038	25665	32718	83119	68434
9							23918	28559	52000		158659
10							27825	39605	74060		169973
12							41681	52096			

RECOMMENDED SALE PRICE FOR 100 PCS.



SOCKET HEAD CAP SCREWS (UNC)

RECOMMENDED RETAIL PRICE IN RS. PER 100 PCS.

INCH
SERIES
UNC

DIA	1/2
LENGTH	KEY 3/8
3/4	2520
1	2520
1.1/4	2672
1.1/2	3023
1.3/4	3243
2	3453
2.1/4	3908
2.1/2	4037
2.3/4	4520
3	4710
3.1/2	5672
4	6453
4.1/2	7962
5	8663
5.1/2	9906
6	11537
6.1/2	20330
7	20784
7.1/2	21237



SOCKET SET SCREWS KNURLED CUP POINT DIN 916

**METRIC
SERIES**

DIA	M3	M4	M5	M6	M8	M10	M12	M16
LENGTH	KEY M1.5	KEY M2	KEY M2.5	KEY M3	KEY M4	KEY M5	KEY M6	KEY M8
3	100							
4	101	100	343					
5	102	101	98	343				
6	103	106	100	105	355			
8	113	107	110	115	156	424		
10	129	113	127	135	182	284	718	
12	162	120	130	158	191	297	466	
16	314	177	188	180	260	462	580	1447
20	460	281	246	225	320	622	733	1569
25		402	298	260	408	738	954	1898
30		587	473	572	624	811	1366	2493
35			645	656	808	1184	1845	2823
40			726	804	1046	1264	2040	3293
45				1055	1388	1980	3246	4098
50				1241	1501	2165	3664	6110

RECOMMENDED SALE PRICE FOR 100 PCS.

*** ALSO AVAILABLE CONE POINT, FLAT POINT, DOG POINT (PRICES ON REQUEST)**



SOCKET SET SCREWS KNURLED CUP POINT DIN 916

**INCH
SERIES
BSW**

DIA	3/16	1/4	5/16	3/8	1/2	5/8
LENGTH	KEY 3/32	KEY 1/8	KEY 5/32	KEY 3/16	KEY 1/4	KEY 5/16
3/16	125	366				
1/4	125	130	380			
5/16	125	141	144	384		
3/8	125	145	147	285		
1/2	152	168	212	346	688	
5/8	150	214	269	439	813	1529
3/4	329	262	371	525	901	1803
1	354	368	591	728	1185	2305
1.1/4		583	758	1106	1565	3263
1.1/2		723	1089	1330	2048	3916

RECOMMENDED SALE PRICE FOR 100 PCS.



SOCKET COUNTERSUNK SCREWS

DIN 7991 GRADE 10.9

METRIC
SERIES

DIA LEN- GTH	M2	M2.5	M3 KEY M2	M4 KEY M2.5	M5 KEY M3	M6 KEY M4	M8 KEY M5	M10 KEY M6	M12 KEY M8	M16 KEY M12	M20 KEY M12	M24 KEY M14
3	361											
4	371	342										
5	377	346										
6	383	352	192	168								
8	392	355	200	168	201	255						
10	398	361	200	178	193	240	743					
12	408	371	214	178	193	227	458					
16	433	383	217	191	202	246	483	811				
20	452	414	271	201	222	270	531	897	1855			
25			360	236	259	316	614	1022	1589	5302		
30			520	275	300	397	673	1175	1902	5302		
35			539	653	324	412	783	1308	2042	5597		
40			561	699	408	538	849	1496	2267	5893	15845	
45			581	699	585	829	1335	1800	2621	6188	16218	
50			642	829	659	891	1390	1950	2655	6495	16592	25985
55				1061	806	1036	1633	2125	3185	6864	17340	23069
60				1155	909	1285	2075	2398	3208	7231	17340	22504
65					1047	1682	2129	2585	3993	7846	18095	24793
70					1162	1978	2545	2773	4446	8341	18095	24793
75					1449	2191	3520	4376	4778	8716	18843	28090
80						2423	3611	4790	5168	9369	19818	28090
90						3036	4525	5603	5980	11221	21880	29833
100						3473	5520	6551	6923	12570	23937	32126
110								10315	8585	18644	38610	49725
120								11347	9915	19228	40474	52065
130								12377	11245	19736	40474	54405
140								14441	12574	13531	40851	56745
150								15472	13904	21082	41199	59122
160									18415	26924	54251	63192
180									20574	29464	64235	66749
200									27165	33782	68700	70972

RECOMMENDED SALE PRICE FOR 100 PCS.

* ALSO AVAILABLE M14 CSK PRICE ON REQUEST



SOCKET COUNTERSUNK HEAD SCREWS

INCH SERIES BSW

INCH
SERIES
BSW

DIA LENGTH	1/4 KEY 5/32	5/16 KEY 3/16	3/8 KEY 7/32	1/2 KEY 5/16	5/8 KEY 3/8	3/4 KEY 1/2
3/8	523					
1/2	514	686				
3/4	551	670	1045	2463		
1	629	766	1208	2960	5513	
1.1/4	718	895	1390	3289	5422	
1.1/2	1004	1227	1899	3715	6072	15156
2	1166	1626	2383	4293	6723	15871
2.1/2		2668	2954	4807	9010	17309
3		3322	3698	5386	10614	20224
4			6116	7919	14152	22897

RECOMMENDED SALE PRICE FOR 100 PCS.



SOCKET BUTTON HEAD CAP SCREWS

ISO 7380 GRADE 10.9

METRIC
SERIES

DIA	M3	M4	M5	M6	M8	M10	M12	M16
LENGTH	KEY M2	KEY M2.5	KEY M3	KEY M4	KEY M5	KEY M6	KEY M8	
4	274	261						
5	274	261						
6	253	253	290					
8	297	185	290	289				
10	317	185	239	262	464			
12	353	196	239	289	460			
16	385	212	253	301	556	981		
20	434	228	260	334	601	1035	2232	
25	474	269	315	384	674	1166	2275	
30	551	339	375	440	725	1300	2316	6845
35		377	392	469	765	1379	2566	7227
40		413	437	534	900	1580	2860	7609
45			585	608	1268	1738	3132	8388
50			606	661	1338	2129	3404	8388
60				1504	1788	3113	3810	9338
65				2554	2052	3722	4743	10771
70				2554	2464	4310	5282	10771
75				2818	2992	4973	6474	11255
80				3130	4290	5757	6712	12547
90				3705	5376	6410	7105	15026
100				4280	6558	7009	8221	16832

RECOMMENDED SALE PRICE FOR 100 PCS.



HEXAGONAL WRENCHES

DIN 911 & BS-2470

(METRIC SERIES)

Size	Price
1	577
1.5	477
2	477
2.5	477
3	493
4	762
5	1235
6	2365
8	4091
10	6515
12	14933
14	21904
17	36625
19	49500

(INCHES SERIES)

Size	Price
1/16	549
5/64	549
3/32	549
1/8	573
5/32	936
3/16	1057
7/32	1591
1/4	2443
5/16	3966
3/8	7504
1/2	18929

RECOMMENDED SALE PRICE FOR 100 PCS.



HEXAGONAL HEAD SCREWS / BOLTS

DIN 933/931 GRADE 8.8

METRIC
SERIES

DIA LENGTH	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
8	314	375	249									
10	278	189	210	432								
12	278	192	210	466	1080							
16	305	201	210	472	1007	1511						
20	317	231	234	523	986	1568						
25	341	252	273	591	1106	1556	2651	3511	4826	6313		
30	405	300	326	659	1199	1710	2897	3462	5252	6131		
35	495	366	396	727	1305	1862	3149	3554	5656	6250	9058	
40	531	393	425	795	1411	2016	3397	3836	6053	6682	9653	12255
45	620	459	444	863	1518	2168	3650	4134	6460	7107	10331	11658
50	683	504	498	927	1625	2317	3510	4381	6868	7589	10965	12363
55		594	585	1053	1832	2616	3731	4956	7310	8491	11628	13728
60		630	638	1063	1841	2623	3954	4977	7716	8466	12255	13720
65		990	711	1106	1948	2778	4182	5234	8117	8891	12887	14423
70		1160	782	1199	2053	2931	4403	5534	8503	9320	13514	15101
75		1329	852	1267	2160	3084	4592	5838	8929	9748	14124	15734
80		1754	921	1335	2265	3234	4818	6124	9363	10216	14793	16423
90			1106	1471	2480	3542	5269	6682	10163	11068	16129	17717
100			1214	1603	2693	3850	5725	7228	10965	12006	17361	19068
110			1335	1944	3082	4403	6868	8303	11848	13636	18657	20455
120			1575	2121	3304	4727	7353	8893	12626	14516	20000	21845
130			1665	2284	3532	5045	7862	9454	13514	15517	21186	23196
140			2175	2423	3756	5357	8361	10090	14286	16423	22523	24457
150			2310	2554	3982	5682	8865	10714	15060	17308	23810	25862
160				3180	4505	6494	9144	12626	15924	20325	25000	30120
170				3345	4673	6944	9424	13369	16667	21368	26316	31646
180				3555	5102	7353	9712	13812	17483	22321	27473	33784
190						7692		14535	18382	23364	28736	34722
200				3788	5835	8065	15376	14881	19084	24272	30120	36232
220								22350		34500		51600
240								23625		34560		57300
250								24600		39300		58200
260								24420		39675		61500
280								27300		43800		64950
300								29700		47550		67650

DIA	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
NUT													
HEX	100	100	103	105	213	408	625	1013	1213	2000	2650	3213	4638
NYLOCK	100	95	100	150	275	475	700	1106	1500	3125	3375	6250	7000
WING	375	375	375	400	563	900	1625		7500				
DOME	250	200	225	250	450	900	1375		3250		7500		10000
FLANGE	150	100	100	125	313	475	875		3500		7500		

RECOMMENDED SALE PRICE FOR 100 PCS.

HEXAGONAL HEX BOLT (LARGE DIAMETER)

	27	30	33	36	39	42
50	17716	23196	29605			
55	18426	24456	30822			
60	19396	25568	31690	39474		
65	20270	26786	33088	41667		
70	21028	27777	34615	43269		
75	21844	28482	35714	45918		
80	22500	30000	37500	47872		
90	25000	32143	40179	50000	62500	72581
100	27108	34615	43269	53571	66176	77586
110	29605	37500	46875	56250	68182	83334
120	31250	39474	50000	59211	70312	86539
130	33088	41667	53571	64286	77586	93750
140	35156	45000	56250	68182	83334	97826
150	36885	45918	57693	70313	86538	102273
160	38793	48913	60811	75000	90000	107143
180	43270	54878	68182	80357	97826	118421
200	46875	59211	75000	90000	107143	132353
220	58140	71429	89286	108696	131579	156250
250	64102	78125	100000	113636	147059	166667
280	67567	83334	104167	125000	156250	178571
300	73529	92593	108696	138889	166667	192308

HEX FLANGE SCREWS - DIN 6921 GRADE 8.8

Dia Length	M5	M6	M8	M10	M12	M16
10	315					
12	290	377				
16	315	410	816			
20	335	436	871	1326		
25	365	475	949	1456	2405	
30	400	520	1014	1593	2600	
35			1106	1755	2795	
40	470	640	1170	1820	2958	6370
50	550	689	1326	2113	3380	7150



PREVAILING TORQUE LOCK NUT - DIN 980-V

SIZE	6	8	10	12
RATE	359	469	938	1406

TEE NUT

Size	5	6	8
Rate	450	325	650

NYLOCK FLANGE LOCK NUT - DIN 6921

SIZE	5	6	8	10	12	1/4"
RATE	438	456	894	1339	1785	625

CAGE NUT

Size	6	8	10
Rate	390	750	1500

HEX BOLT HALF THREAD

	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24
25	375	277	300	650	1217	1712	2916	3862		
30	446	330	359	725	1319	1881	3187	3808		
35	544	403	436	800	1435	2048	3464	3909	6875	
40	584	432	467	875	1552	2218	3736	4220	7350	13481
45	682	505	488	949	1670	2385	4015	4547	7817	12824
50	751	548	548	1020	1787	2549	3861	4819	8348	13599
55		653	644	1158	2015	2877	4104	5452	9340	15100
60		693	702	1169	2025	2885	4349	5474	9313	15092
65		1089	782	1217	2143	3056	4600	5757	9780	15865
70		1276	860	1319	2258	3224	4843	6087	10252	16611
75		1462	937	1393	2376	3392	5051	6422	10723	17307
80		1929	1013	1468	2491	3557	5299	6736	11238	18065
90			1217	1618	2728	3869	5795	7350	12175	19488
100			1335	1763	2962	4235	6298	7950	13207	20975
110			1469	2138	3390	4843	7554	9133	14999	22500
120			1733	2333	3634	5200	8088	9782	15968	24029
130			1832	2512	3885	5550	8648	10399	17068	25516
140			2393	2665	4131	5892	9197	11099	18065	26902
150			2541	2809	4380	6250	9752	11785	19039	28448
160				3498	4955	7143	10058	13889	22357	33132
170				3680	5140	7638	10366	14706	23505	34810
180				3910	5612	8088	10683	15193	24553	37162
200				4167	6419	8872	16914	16369	26699	39855
220								24585	37950	56760
240								25988	39204	63030
260								26862	43642	67650
280								30030	48180	71445
300								32670	52305	74415