

TECHNICAL INFO

Weight Chart of fasteners

M.S. HEX HALF THREAD BOLTS WITH NUTS

MM THREADS AS PER IS 1363/67

APPROXIMATE WEIGHT IN KGS FOR 100 NOS

LENGTH	D I A M E T E R									
	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 22
16 mm	0.448	0.743	1.590	3.211						
20 mm	0.598	0.812	1.711	3.411	4.892					
25 mm	0.660	0.897	1.871	3.660	5.252	8.170				
30 mm	0.737	1.010	2.070	3.912	5.574	9.690	10.707		18.657	
35 mm	0.804	1.120	2.271	4.223	5.974	10.000	11.416	16.026	19.608	

40 mm	0.881	1.230	2.470	4.533	6.410	10.288	12.107	16.667	20.747	
45 mm	0.958	1.340	2.671	4.840	6.859	10.504	12.821	17.241	21.739	
50 mm	1.030	1.450	2.870	5.155	7.299	11.261	13.624	17.857	22.727	28.409
55 mm		1.560	3.071	5.464	7.740	11.628	14.409	18.868	23.810	30.120
60 mm		1.670	3.270	5.774	8.183	12.255	15.244	20.000	25.126	32.051
65 mm		1.781	3.472	6.083	8.621	12.626	16.026	21.008	26.455	34.014
70 mm		1.890	3.671	6.394	9.058	12.987	16.835	22.124	27.778	35.461
75 mm		2.000	3.873	6.702	9.506	13.228	17.606	23.256	29.070	39.063
80 mm		2.111	4.072	7.013	10.000	13.889	18.248	24.510	30.303	40.000
90 mm			4.472	7.634	10.917	14.925	19.841	26.042	33.113	41.667
100 mm			4.873	8.251	11.820	16.340	21.459	27.778	35.714	46.296
110 mm				8.881	12.723	17.730	23.041	31.250	38.168	47.170
120 mm				9.506	13.624	18.797	24.631	32.895	40.984	50.000

130 mm				10.101	14.535	20.000	26.316	34.722	43.478	52.632
140 mm				10.707	15.432	20.833	27.933	35.461	46.296	55.556
150 mm				11.312	16.340	22.222	29.412	37.594	48.544	58.824
160 mm				11.905	17.241	24.272	31.056	40.984	50.505	61.728
170 mm				12.500	18.116		32.680		53.191	64.935
180 mm				13.123	19.011	26.882	34.247		55.556	67.568
190 mm				13.736	19.920		35.971		58.140	70.423
200 mm				14.327	20.833	29.586	37.594	49.020	60.976	73.529
220 mm				15.528	22.624		40.650		65.789	79.365
240 mm				16.722	24.510		43.860		71.429	84.746
250 mm				17.301	25.381		45.455		74.627	87.719
260 mm				17.921	26.316		47.170		76.923	90.909
280 mm				19.157	28.090		50.505		81.967	98.039

65 mm	43.860	59.524	75.758											
70 mm	45.455	60.976	81.967											
75 mm	47.170	63.291	84.746											
80 mm	49.020	65.789	87.719	108.696	135.135									
90 mm	52.632	70.423	94.340	116.279	142.857									
100 mm	56.180	74.627	100.000	125.000	156.250	192.308	217.391							
110 mm	60.241	79.365	104.167	131.579	166.667	200.000	238.095							
120 mm	63.291	83.333	108.696	135.135	172.414	208.333	250.000	312.500						
130 mm	66.667	87.719	113.636	142.857	178.571	217.391	263.158		357.143					
140 mm	69.444	92.593	119.048	151.515	185.185	227.273	277.778		384.615					
150 mm	73.529	98.039	125.000	156.250	192.308	238.095	294.118	333.333						
160 mm	76.923	102.041	131.579	166.667	200.000	250.000	294.118		416.667			714.286		
170 mm	80.645	106.383	138.889	172.414	208.333	263.158	312.500			500.000	625.000		833.333	

400 mm	161.290	217.391	263.158	333.333										
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BSW THREADS AS PER BS 916/53

APPROXIMATE WEIGHT IN KGS FOR 100 NOS

LENGTH	D I A M E T E R														
	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1.1/8"	1.1/4"	1.1/2"	1.3/4"	2"	
3/4"	1.111														
1"	1.252	2.041	3.123	4.950											
1.1/4"	1.401	2.281	3.458	5.388	7.692	13.966									
1.1/2"	1.556	2.523	3.797	5.875	8.306	14.925	23.810	29.240							
1.3/4"	1.705	2.762	4.132	6.329	8.897	15.924	25.253	31.056	45.045						
2"	1.864	3.003	4.468	6.793	9.506	16.949	26.882	32.680	47.619						

2.1/4"	2.005	3.245	4.826	7.246	10.121	17.921	28.249	34.483	50.505	70.423				
2.1/2"	2.159	3.484	5.144	7.704	10.707	18.868	29.762	36.765	52.632	73.529	98.039	156.250	227.273	312.500
3"	2.459	3.965	5.814	8.621	11.933	20.921	32.468	40.323	56.818	79.365	106.383	166.667	250.000	333.333
3.1/2"	2.762	4.444	6.485	9.542	13.123	22.831	35.714	43.860	60.976	84.746	113.636	178.571	250.000	333.333
4"	3.075	4.926	7.153	10.460	14.327	24.876	38.462	48.544	66.667	90.909	119.048	185.185	277.778	357.143
4.1/2"	3.367	5.405	7.813	11.364	15.528	26.882	40.984	51.546	69.444	98.039	128.205	192.308	277.778	384.615
5"	3.655	5.903	8.475	12.285	16.779	28.902	43.860	54.945	76.923	102.041	135.135	208.333	294.118	384.615
5.1/2"	3.946	6.386	9.141	13.158	17.921	30.864	47.170	58.824	81.967	108.696	147.059	227.273	333.333	416.667
6"	4.237	6.868	9.804	14.085	19.157	32.680	50.505	63.291	86.207	116.279	156.250	238.095	357.143	416.667
7"					20.833	34.722	53.763	73.529	96.154	128.205	172.414	250.000	384.615	500.000
8"					23.585	38.462	58.140	79.365	106.383	142.857	185.185	277.778	416.667	555.556
9"					25.907	42.735	64.935	87.719	116.279	156.250	200.000	312.500	454.545	555.556
10"					28.736	47.619	71.429	96.154	125.000	166.667	217.391	333.333	454.545	625.000

4 mm	0.032	0.081										
5 mm	0.034	0.086	0.194									
6 mm	0.036	0.090	0.201	0.329	0.572	0.837						
8 mm	0.040	0.099	0.217	0.349	0.606	0.887	1.338					
10 mm	0.044	0.108	0.232	0.374	0.640	0.937	1.392					
12 mm	0.047	0.117	0.248	0.398	0.674	0.986	1.462	2.943	4.337			
16 mm	0.053	0.133	0.278	0.448	0.743	1.080	1.593	3.143	4.617			
20 mm		0.151	0.309	0.498	0.812	1.185	1.712	3.342	4.897			
25 mm		0.173	0.348	0.560	0.897	1.304	1.873	3.595	5.258	7.716	10.121	14.124
30 mm			0.387	0.622	0.983	1.435	2.033	3.843	5.618	8.210	10.799	15.015
35 mm			0.425	0.684	1.069	1.555	2.194	4.095	5.981	8.711	11.468	15.823
40 mm			0.464	0.746	1.155	1.685	2.354	4.344	6.345	9.208	12.136	16.611
45 mm			0.502	0.810	1.243	1.805	2.514	4.596	6.702	9.728	12.853	17.422

50 mm			0.541	0.870	1.333	1.935	2.664	4.850	7.052	10.225	13.441	18.248
55 mm			0.580	0.932	1.422	2.056	2.825	5.097	7.418	10.707	14.124	19.157
60 mm			0.618	0.994	1.502	2.176	2.983	5.359	7.776	11.211	14.837	19.920
65 mm			0.657	1.056	1.593	2.305	3.145	5.612	8.143	11.710	15.432	20.747
70 mm			0.696	1.121	1.673	2.426	3.305	5.855	8.503	12.225	16.129	21.552
75 mm				1.181	1.763	2.556	3.465	6.112	8.865	12.626	16.892	22.422
80 mm				1.242	1.853	2.677	3.626	6.361	9.225	13.158	17.544	23.256
85 mm					1.933	2.806	3.785	6.614	9.579	13.661	18.182	24.038
90 mm					2.023	2.926	3.946	6.868	9.940	14.164	18.868	24.876
100 mm					2.194	3.177	4.255	7.364	10.661	15.152	20.161	26.455
110 mm					2.361		4.579	7.886	11.390	16.181	21.645	28.249
120 mm					2.734		4.950	8.375	12.136	17.182	22.936	29.940
130 mm					2.865		5.297	8.881	12.821	18.182	24.155	31.646

140 mm					3.012		5.593	9.381	13.514	19.231	25.641	33.333
150 mm					3.175		5.869	9.881	14.245	20.243	27.027	34.722
160 mm								10.040	14.620		28.571	36.496
170 mm								10.395	15.528		29.940	38.168
180 mm								11.261	16.340		30.864	39.683
190 mm									17.007		32.258	41.667
200 mm								12.165	17.794		33.113	43.103
225 mm									19.305		36.765	
250 mm								14.749	21.645		40.000	
260 mm												
280 mm												
300 mm									24.631		47.170	

MM THREADS AS PER IS 1363/67 CONTD*APPROX WEIGHT IN KGS FOR 100 NOS.*

LENGTH	D I A M E T E R											
	M 20	M 22	M 24	M 27	M 30	M 33	M 36	M 39	M 42	M 45	M 48	M 52
25 mm	18.727											
30 mm	19.763											
35 mm	20.833	25.381										
40 mm	21.834	26.596	34.965									
45 mm	22.831	27.933	36.496									
50 mm	24.038	29.240	38.168	53.763	72.464	92.593						
55 mm	25.000	30.675	39.370	56.180	74.627	96.154						
60 mm	26.042	31.847	40.984	57.471	76.923	98.039	125.000	161.290	185.185		277.778	
65 mm	27.027	33.113	42.735	60.241	79.365	102.041	131.579	161.290	192.308	238.095		357.143

70 mm	28.090	34.483	44.248	61.728	81.967	104.167	135.135	166.667			294.118	
75 mm	29.070	35.714	45.872	64.103	84.746	108.696	138.889	178.571	200.000	250.000		
80 mm	30.303	37.037	47.170	65.789	87.719	111.111	142.857	178.571				
85 mm	31.250	38.168	48.544	67.568	89.286	113.636	147.059	185.185	208.333	263.158	312.500	384.615
90 mm	32.258	39.683	50.000	69.444	92.593	116.279	151.515	192.308	217.391			
100 mm	34.483	42.373	53.191	73.529	96.154	121.951	156.250	200.000	227.273	277.778	333.333	416.667
110 mm	36.496	45.045	56.180	78.125	102.041	128.205	166.667	208.333	238.095	294.118		
120 mm	38.462	47.619	59.524	81.967	106.383	135.135	172.414	208.333	250.000		357.143	
130 mm	40.984	50.000	62.500	86.207	111.111	142.857	178.571	227.273		312.500	384.615	454.545
140 mm	42.735	52.632	65.789	89.286	116.279	147.059	185.185	238.095	263.158	333.333		
150 mm	45.045	55.556	68.493	94.340	121.951	151.515	192.308	250.000	277.778			
160 mm	47.170	57.471	71.429	98.039	128.205	161.290	200.000	250.000			416.667	500.000
170 mm	49.020	60.241	74.627	102.041	131.579	166.667	208.333	263.158	294.118	357.143		

3/8"	0.354	0.823												
1/2"	0.392	0.878	1.420											
5/8"	0.417	0.948	1.511	2.356										
3/4"	0.452	1.008	1.629	2.513	4.195	6.266								
1"	0.498	1.139	1.804	2.882	4.647	6.693	12.195							
1.1/4"	0.583	1.257	1.990	3.159	4.995	7.184	12.987	21.008	27.473					
1.1/2"	0.643	1.375	2.176	3.436	5.365	7.692	13.774	22.124	29.240	42.017				
1.3/4"	0.683	1.493	2.362	3.715	5.767	8.183	14.535	23.364	30.864	44.248				
2"	0.743	1.611	2.548	3.990	6.143	8.681	15.291	24.510	32.468	46.296				
2.1/4"	0.818	1.730	2.732	4.266	6.527	9.191	16.129	25.641	34.014	48.077				
2.1/2"	0.891	1.848	2.921	4.545	6.897	9.690	16.892	26.738	35.714	50.505		94.340		
3"	1.010	2.083	3.294	5.097	7.645	10.684	18.450	29.240	38.760	54.348	74.627	100.000	166.667	
3.1/2"	1.114	2.320	3.663	5.656	8.389	11.682	20.080	31.447	42.735	58.824	80.645	106.383		

4"	1.220	2.556	4.039	6.203	9.141	12.690	21.645	33.784	44.643	63.291	87.719	113.636	185.185	357.143
4.1/2"		2.792	4.409	6.766	9.901	13.661	23.148	36.232	48.544	66.667	92.593	119.048		
5"		3.025	4.776	7.310	10.661	14.663	24.752	38.760	52.083	71.429	98.039	128.205	208.333	416.667
6"		3.489	5.513	8.432	12.136	16.667	27.933	43.103	58.824	80.645	108.696	142.857	227.273	454.545
7"				9.690		18.939	31.056	47.619	65.789	87.719		161.290		
8"				10.730		21.008	34.014	52.632	72.464	96.154		172.414	277.778	555.556
9"				11.962		22.727	37.037	57.471	78.125	104.167		185.185		
10"				12.887		24.752	40.984	61.728	84.746	113.636		192.308		625.000
11"						26.596	44.248	66.667	89.286	121.951		217.391		
12"						28.902	47.619	73.529	94.340	131.579		227.273		

M.S. HEX HALF THREAD BOLTS ONLY (WITHOUT NUTS)

MM THREADS AS PER IS 1363/67

APPROXIMATE WEIGHT IN KGS FOR 100 NOS

LENGTH	D I A M E T E R																		
	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	
25 mm	0.714																		
30 mm	0.822	1.587																	
35 mm	0.935	1.779	3.145																
40 mm	1.035	1.976	3.436	4.936															
45 mm	1.149	2.165	3.745	5.319		9.881													
50 mm	1.250	2.358	4.049	5.714	8.039	10.638			22.727	27.778	39.370	51.546	65.789	80.645					
55 mm	1.351	2.551	4.367	6.098	8.503	11.442		19.231	23.810	29.412	40.984	54.348	68.493	84.746					
60 mm	1.462	2.740	4.651	6.494	9.091	12.255	16.026	20.492	25.000	31.250	43.103	56.818	70.423	87.719	111.111				
65 mm	1.577	2.941	4.950	6.897	10.000	13.021	16.892	21.739	26.596	33.333	45.045	59.524	73.529	92.593	113.636				
70 mm	1.672	3.030	5.236	7.278	10.616	13.850	18.116	22.936	27.933	35.211	46.729	61.728	76.923	96.154	119.048	142.857			
75 mm	1.773	3.257	5.531	7.657	11.161	14.577	18.868	24.155	29.412	37.037	48.544	63.291	79.365	102.041	125.000	147.059			
80 mm	1.887	3.509	5.862	8.065	11.765	15.385	19.685	25.381	30.864	39.063	50.000	66.667	83.333	106.383	131.579	151.515	192.308		
90 mm	2.083	3.846	6.410	8.803	12.255	16.892	22.026	27.778	33.784	42.735	55.556	71.429	89.286	111.111	138.889	161.290	200.000	227.273	

100 mm	2.273	4.202	6.993	9.579	13.624	18.450	24.038	30.120	36.765	46.296	60.241	76.923	96.154	119.048	147.059	172.414	208.333	238.095
110 mm	2.500	4.630	7.519	10.846	14.881	19.920	25.510	32.468	40.000	50.000	65.789	83.333	104.167	125.000	151.515	185.185	217.391	250.000
120 mm	2.778	5.144	8.104	12.500	16.393	21.552	27.027	34.965	43.478	53.191	69.444	87.719	111.111	131.579	156.250	192.308	227.273	277.778
130 mm	2.959	5.405	8.651	13.441	17.606	23.041	29.940	37.313	45.872	56.180	73.529	92.593	119.048	142.857	172.414	208.333	238.095	294.118
140 mm	3.155	5.682	9.259	14.493	18.939	24.631	33.333	40.000	48.544	58.824	78.125	100.000	125.000	151.515	185.185	217.391	250.000	312.500
150 mm	3.356	5.814	10.060	15.291	19.841	26.178	34.722	42.373	51.546	62.500	81.967	102.041	128.205	156.250	192.308	227.273	263.158	312.500
160 mm	3.571		10.989	16.129	21.739	27.778	36.232	45.045	54.348	65.789	86.207	108.696	135.135	166.667	200.000	238.095	277.778	333.333
180 mm			11.628	16.949	24.390	30.864	40.000	50.000	60.241	73.529	96.154	121.951	151.515	178.571	217.391	263.158	312.500	357.143
200 mm			12.821	18.868	27.027	33.784	44.248	54.945	66.667	80.645	104.167	131.579	166.667	200.000	238.095	294.118	333.333	384.615
225 mm			14.286	20.408		37.879		60.241	73.529	87.719	116.279	142.857	178.571	217.391	263.158	312.500	357.143	416.667
250 mm			15.625	23.810		41.667		66.667	80.645	98.039	128.205	156.250	200.000	227.273	294.118	333.333	384.615	454.545
275 mm			17.241	26.316		45.872		72.464	87.719	106.383	135.135	166.667	208.333	250.000	312.500	357.143	416.667	500.000
300 mm				27.322		49.505		79.365	96.154	116.279	147.059	185.185	217.391	277.778	333.333	384.615	454.545	500.000

BSW THREADS AS PER BS 916/53

APPROXIMATE WEIGHT IN KGS FOR 100 NOS.

LENGTH	D I A M E T E R													
	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1.1/8"	1.1/4"	1.1/2"	1.3/4"	2"
3/4"	0.732													
7/8"	0.795	1.401												
1"	0.868	1.479	1.984											
1.1/4"	1.071	1.712	2.320	4.167	5.181	8.803								
1.1/2"	1.160	1.946	2.660	4.587	5.800	9.804	15.432							
1.3/4"	1.307	2.183	3.003	5.000	6.410	10.799	16.502	21.930						
2"	1.458	2.410	3.344	5.388	7.013	11.820	17.921	23.810	33.557					
2.1/4"	1.603	2.646	3.676	5.794	7.634	12.821	19.380	25.773	36.232					
2.1/2"	1.751	2.874	4.016	6.196	8.237	13.812	20.833	27.624	38.760	51.020	67.568	104.167	151.515	217.391
3"	2.041	3.344	4.695	7.013	9.434	15.823	23.697	31.447	43.103	57.471	75.758	113.636	166.667	238.095

3.1/2"	2.336	3.817	5.376	7.813	10.638	17.794	26.596	35.211	49.020	64.103	84.746	125.000	185.185	250.000
4"	2.632	4.274	6.061	8.621	11.905	19.920	29.412	39.370	53.763	70.423	90.909	135.135	200.000	277.778
4.1/2"	2.924	4.753	6.729	9.434	13.158	21.186	31.250	42.735	56.818	76.923	98.039	142.857	217.391	294.118
5"	3.205	5.208	7.407	10.246	14.706	23.148	34.014	46.729	64.103	81.967	106.383	161.290	238.095	312.500
6"	3.817	6.150	8.741	11.848	16.393	27.027	39.683	54.945	72.464	94.340	125.000	185.185	277.778	357.143
7"			10.101		18.182	30.675	46.729	64.935	81.967	111.111	138.889	208.333	312.500	384.615
8"			11.416		21.739	34.247	50.505	67.568	90.909	121.951	151.515	238.095	333.333	454.545
9"			12.821		23.256	38.462	58.824	76.923	102.041	128.205	166.667	263.158	384.615	500.000
10"			14.286		25.000	43.478	63.291	84.746	113.636	138.889	185.185	277.778	416.667	555.556
11"					27.933	46.296	67.568	92.593	121.951	151.515	200.000	294.118	416.667	555.556
12"			17.241		31.447	49.505	72.464	100.000	131.579	161.290	208.333	312.500	454.545	625.000
14"					35.971	56.818	83.333	113.636	151.515	192.308	238.095	357.143	500.000	714.286
16"					41.667	64.935	94.340	131.579	172.414	217.391	277.778	416.667	555.556	833.333

18"					45.455	72.464	106.383	147.059	192.308	238.095	312.500	454.545	625.000	
20"					50.000	80.645	119.048	161.290	217.391	263.158	357.143	500.000	714.286	

M.S. HEX FULL THREAD BOLTS ONLY (WITHOUT NUTS)

MM THREADS AS PER IS 1363/67

APPROXIMATE WEIGHT IN KGS FOR 100 NOS.

LENGTH	D I A M E T E R												
	M 1.6	M 2	M 2.5	M 2.6	M 3	M 3.5	M 4	M 5	M 6	M 7	M 8	M 10	M 12
3 mm	0.011	0.020	0.037	0.038									
4 mm	0.012	0.021	0.040	0.041	0.048								
5 mm	0.013	0.023	0.043	0.044	0.053	0.084	0.126						
6 mm	0.014	0.025	0.046	0.047	0.057	0.090	0.133	0.218	0.340	0.543			

8 mm	0.016	0.029	0.052	0.054	0.066	0.102	0.149	0.238	0.374	0.593	0.855		
10 mm	0.018	0.033	0.058	0.060	0.075	0.114	0.164	0.263	0.408	0.643	0.910		
12 mm	0.020	0.036	0.064	0.067	0.084	0.126	0.180	0.287	0.442	0.692	0.980	1.920	2.741
16 mm		0.042	0.076	0.081	0.100	0.150	0.210	0.337	0.511	0.786	1.110	2.120	3.021
20 mm			0.088	0.093	0.118	0.173	0.241	0.387	0.580	0.891	1.230	2.320	3.300
25 mm			0.102	0.109	0.140	0.203	0.280	0.449	0.665	1.010	1.390	2.571	3.660
30 mm							0.319	0.511	0.751	1.140	1.550	2.820	4.023
35 mm							0.357	0.573	0.837	1.260	1.711	3.071	4.382
40 mm							0.396	0.635	0.923	1.390	1.871	3.320	4.744
45 mm							0.434	0.699	1.010	1.510	2.030	3.571	5.102
50 mm							0.473	0.759	1.100	1.640	2.181	3.823	5.453
55 mm							0.512	0.821	1.190	1.761	2.341	4.072	5.814
60 mm							0.550	0.883	1.270	1.880	2.500	4.333	6.173

170 mm													9.346	13.889
180 mm													10.204	14.706
190 mm														15.385
200 mm													11.111	16.129
220 mm														17.668
250 mm													13.699	20.000
300 mm														22.936

MM THREADS AS PER IS 1363/67 CONTD

APPROXIMATE WEIGHT IN KGS FOR 100 NOS.

	D I A M E T E R														
LENGTH	M 14	M 16	M 18	M 20	M 22	M 24	M 27	M 30	M 33	M 36	M 39	M 42	M 45	M 48	M 52

25 mm	5.302	7.022	9.653	12.626											
30 mm	5.794	7.692	10.504	13.624											
35 mm	6.297	8.361	11.312	14.706	18.116										
40 mm	6.793	9.025	12.107	15.723	19.305	24.510									
45 mm	7.299	9.728	12.920	16.722	20.661	25.907									
50 mm	7.800	10.309	13.736	17.857	21.930	27.473	37.879	50.000	63.291						
55 mm	8.292	11.013	14.620	18.868	23.256	28.902	40.000	52.083	66.667						
60 mm	8.787	11.710	15.432	19.920	24.510	30.488	41.667	54.348	69.444	86.207	108.696	128.205	156.250	185.185	227.273
65 mm	9.294	12.315	16.234	20.921	25.773	32.051	43.860	56.818	72.464	90.909	111.111	131.579	161.290	192.308	238.095
70 mm	9.785	13.021	17.007	21.930	27.027	33.557	45.455	59.524	74.627	94.340	116.279	138.889	166.667	200.000	250.000
75 mm	10.204	13.736	17.857	22.936	28.249	34.965	47.619	61.728	78.125	98.039	121.951	142.857	172.414	208.333	250.000
80 mm	10.707	14.409	18.727	24.038	29.586	36.496	49.505	64.103	80.645	100.000	125.000	147.059	178.571	208.333	263.158
85 mm	11.211	15.015	19.531	25.000	30.864	37.879	51.546	66.667	84.746	104.167	128.205	151.515	185.185	217.391	263.158

90 mm	11.710	15.723	20.325	26.042	32.258	39.370	53.191	69.444	87.719	108.696	135.135	156.250	192.308	227.273	277.778
100 mm	12.723	17.007	21.930	28.249	34.722	42.373	57.471	73.529	92.593	116.279	142.857	166.667	200.000	238.095	294.118
110 mm	13.736	18.450	23.697	30.303	37.313	45.455	60.976	78.125	98.039	121.951	151.515	178.571	217.391	250.000	312.500
120 mm	14.706	19.763	25.253	32.258	40.000	48.544	64.935	83.333	104.167	128.205	156.250	185.185	227.273	263.158	312.500
130 mm	15.723	21.008	27.027	34.483	42.373	51.546	69.444	87.719	111.111	135.135	166.667	200.000	238.095	277.778	333.333
140 mm	16.722	22.422	28.571	36.496	45.045	54.348	72.464	92.593	116.279	142.857	178.571	208.333	250.000	294.118	357.143
150 mm	17.730	23.810	30.120	38.462	47.619	57.471	76.923	98.039	121.951	151.515	185.185	217.391	263.158	294.118	357.143
160 mm		25.253	31.847	40.650	50.000	60.241	80.645	102.041	128.205	156.250	192.308	227.273	263.158	312.500	384.615
170 mm		26.738	33.333	42.735	52.632	63.291	84.746	106.383	135.135	166.667	200.000	238.095	277.778	333.333	416.667
180 mm		27.624	34.965	44.643	54.945	67.568	87.719	111.111	142.857	172.414	208.333	250.000	294.118	333.333	416.667
190 mm		29.070	36.765	46.729	57.471	69.444	92.593	116.279	147.059	178.571	217.391	250.000	312.500	357.143	416.667
200 mm		29.762	38.168	48.544	60.241	72.464	96.154	121.951	151.515	185.185	227.273	263.158	312.500	357.143	454.545
220 mm		33.333		53.763		80.645		131.579							

1"	0.365	0.816	1.293	2.064	3.253	4.464	7.813							
1.1/4"	0.450	0.934	1.478	2.340	3.600	4.955	8.591	13.699	18.727					
1.1/2"	0.510	1.052	1.664	2.618	3.968	5.453	9.381	14.837	20.408	28.736				
1.3/4"	0.549	1.170	1.850	2.895	4.374	5.945	10.163	16.026	22.124	30.864				
2"	0.610	1.288	2.037	3.171	4.748	6.443	10.917	17.182	23.697	32.680				
2.1/4"	0.685	1.406	2.221	3.446	5.128	6.944	11.710	18.315	25.126	34.722				
2.1/2"	0.758	1.524	2.408	3.726	5.501	7.440	12.469	19.455	26.738	37.037		66.667		
3"	0.877	1.760	2.781	4.277	6.250	8.446	14.045	21.834	29.940	40.984	54.945	71.429	113.636	
3.1/2"	0.980	1.996	3.151	4.831	6.993	9.434	15.625	24.155	33.784	45.045	60.976	78.125		
4"	1.087	2.232	3.526	5.382	7.740	10.438	17.182	26.455	35.714	49.505	67.568	84.746	135.135	250.000
4.1/2"		2.468	3.894	5.938	8.489	11.416	18.727	28.902	39.370	53.191	72.464	90.909		
5"		2.700	4.259	6.485	9.242	12.407	20.325	31.250	43.103	57.471	78.125	98.039	156.250	294.118
6"		3.165	4.995	7.599	10.730	14.409	23.364	35.714	49.505	65.789	89.286	113.636	172.414	333.333

7"				8.850		16.667	26.596	40.000	56.180	73.529		128.205		
8"				9.901		18.657	29.412	45.045	62.500	81.967		142.857	217.391	416.667
9"				11.111		20.408	32.468	49.505	68.493	89.286		151.515		
10"				12.048		22.422	36.232	53.763	74.627	98.039		161.290		500.000
11"						24.272	39.370	58.824	79.365	106.383		178.571		
12"						26.455	42.735	64.935	84.746	113.636		192.308		

ROUND HEAD RIVETS

APPROXIMATE WEIGHT IN KGS FOR 100 NOS

LENGTH	DI A M E T E R								
	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"
1/2"	0.570	0.961	1.555						

5/8"	0.661	1.079	1.747						
3/4"	0.727	1.228	1.933	2.841	3.623				
7/8"	0.800	1.323	2.096	3.064	3.779	6.305			
1"	0.866	1.437	2.232	3.324	4.078	6.993	11.236		
1.1/4"	1.034	1.680	2.587	3.837	4.677	7.949	12.821	18.116	
1.3/8"	1.103	1.801	2.789	4.065	5.040	8.757	13.369	18.939	
1.1/2"	1.180	1.939	3.025	4.322	5.274	9.009	13.928	19.841	25.773
1.5/8"			3.163	4.496	5.669	9.452	14.663	20.833	27.174
1.3/4"			3.316	4.686	5.945	10.183	15.480	21.834	28.090
1.7/8"			3.494	4.941	6.305	10.417	16.234	22.727	29.240
2"			3.693	5.225	6.711	10.753	16.779	23.474	30.675
2.1/8"					6.935	11.186	17.182	24.390	31.847
2.1/4"					7.564	11.962	17.921	25.641	32.895

M.S.SQUARE HEAD SET SCREWS - SHALLOW SMALL SQUARE HEAD - BSW

APPROXIMATE WEIGHT IN KGS FOR 100 NOS

LENGTH	D I A M E T E R				
	1/4"	5/16"	3/8"	7/16"	1/2"
1/2"	0.485	0.800	1.253		
3/4"	0.602	0.986	1.529	2.451	3.086
1"	0.718	1.174	1.805	2.632	3.584
1.1/4"	0.843	1.362	2.008	3.003	4.065
1.1/2"	0.948	1.548	2.347	3.367	4.566
2"	1.179	1.923	2.907	4.115	5.556
2.1/2"	1.408	2.299	3.460	4.878	6.536

M.S. ROUND HEAD SQUARE NECK CARRIAGE BOLTS WITH SQUARE NUTS

APPROXIMATE WEIGHT IN KGS FOR 100 NOS

LENGTH	D I A M E T E R				
	1/4"	5/16"	3/8"	7/16"	1/2"
1"	1.070	1.859	2.844	4.322	6.165
1.1/4"	1.243	2.050	3.125	4.708	6.667
1.1/2"	1.397	2.335	3.492	5.102	7.163
1.3/4"	1.551	2.581	3.846	5.631	7.776
2"	1.706	2.825	4.198	6.112	8.432
2.1/4"	1.864	3.071	4.554	6.588	9.058
2.1/2"	2.023	3.316	4.907	7.072	9.671
2.3/4"	2.182	3.561	5.258	7.564	10.309
3"	2.340	3.805	5.612	8.039	10.941

3.1/2"	2.653	4.296	6.274	8.993	12.225
4"	2.971	4.785	7.022	9.960	13.477
4.1/2"	3.287	5.274	7.728	10.917	14.706
5"	3.605	5.767	8.446	11.905	15.974
5.1/2"	3.922	6.258	9.158	12.853	17.241
6"	4.241	6.748	9.862	13.812	18.519
7"				15.674	20.921
8"				17.606	23.364

FULLY THREADED UNC (ASTM) STUDS

APPROXIMATE WEIGHT IN KGS PER NO.

LENGTH	D I A M E T E R												
	1/2"	5/8"	3/4"	7/8"	1"	1.1/8"	1.1/4"	1.3/8"	1.1/2"	1.5/8"	1.3/4"	1.7/8"	2"

50 mm	0.044	0.069	0.100	0.136	0.178	0.225	0.296	0.356	0.422	0.493	0.570	0.681	0.771
55 mm	0.049	0.076	0.110	0.150	0.195	0.247	0.326	0.392	0.464	0.543	0.627	0.749	0.848
60 mm	0.053	0.083	0.120	0.163	0.213	0.270	0.355	0.428	0.506	0.592	0.684	0.817	0.925
65 mm	0.058	0.090	0.130	0.177	0.231	0.292	0.385	0.463	0.549	0.641	0.741	0.885	1.002
70 mm	0.062	0.097	0.140	0.190	0.249	0.315	0.415	0.499	0.591	0.690	0.798	0.953	1.079
75 mm	0.067	0.104	0.150	0.204	0.266	0.337	0.444	0.535	0.633	0.740	0.855	1.021	1.156
80 mm	0.071	0.111	0.160	0.218	0.284	0.360	0.474	0.570	0.675	0.789	0.912	1.089	1.233
85 mm	0.075	0.118	0.170	0.231	0.302	0.382	0.504	0.606	0.717	0.838	0.969	1.158	1.310
90 mm	0.080	0.125	0.180	0.245	0.320	0.404	0.533	0.641	0.760	0.888	1.026	1.226	1.387
95 mm	0.084	0.132	0.190	0.258	0.337	0.427	0.563	0.677	0.802	0.937	1.083	1.294	1.464
100 mm	0.089	0.139	0.200	0.272	0.355	0.449	0.592	0.713	0.844	0.986	1.140	1.362	1.541
110 mm	0.098	0.153	0.220	0.299	0.391	0.494	0.652	0.784	0.928	1.085	1.254	1.498	1.695
120 mm	0.107	0.166	0.240	0.326	0.426	0.539	0.711	0.855	1.013	1.184	1.388	1.634	1.850

125 mm	0.111	0.173	0.250	0.340	0.444	0.562	0.741	0.891	1.055	1.233	1.425	1.702	1.927
130 mm	0.115	0.180	0.260	0.353	0.462	0.584	0.770	0.926	1.097	1.282	1.482	1.770	2.004
140 mm	0.124	0.194	0.280	0.381	0.497	0.628	0.829	0.998	1.182	1.381	1.596	1.907	2.158
150 mm	0.133	0.208	0.300	0.408	0.533	0.674	0.889	1.069	1.266	1.480	1.710	2.043	2.312
160 mm	0.142	0.222	0.320	0.435	0.568	0.719	0.948	1.140	1.350	1.578	1.824	2.179	2.466
170 mm	0.151	0.236	0.340	0.462	0.604	0.764	1.007	1.212	1.435	1.677	1.938	2.315	2.620
175 mm	0.155	0.243	0.350	0.476	0.621	0.786	1.037	1.247	1.477	1.726	1.995	2.383	2.697
180 mm	0.160	0.250	0.360	0.489	0.639	0.809	1.066	1.283	1.519	1.776	2.052	2.451	2.774
190 mm	0.169	0.264	0.380	0.517	0.675	0.854	1.126	1.354	1.604	1.874	2.166	2.588	2.928
200 mm	0.178	0.277	0.399	0.544	0.710	0.899	1.185	1.425	1.688	1.973	2.280	2.724	3.083
210 mm	0.186	0.291	0.419	0.571	0.746	0.944	1.244	1.497	1.772	2.071	2.394	2.860	3.237
220 mm	0.195	0.305	0.439	0.596	0.781	0.989	1.303	1.568	1.857	2.170	2.508	2.996	3.391
225 mm	0.200	0.312	0.449	0.612	0.799	1.011	1.333	1.604	1.899	2.219	2.565	3.064	3.468

230 mm	0.204	0.319	0.459	0.625	0.817	1.034	1.363	1.639	1.941	2.269	2.622	3.132	3.545
240 mm	0.213	0.333	0.479	0.653	0.852	1.079	1.422	1.710	2.026	2.367	2.736	3.268	3.699
250 mm	0.222	0.347	0.499	0.680	0.888	1.124	1.481	1.782	2.110	2.466	2.850	3.405	3.853
260 mm	0.231	0.361	0.519	0.707	0.923	1.169	1.540	1.853	2.194	2.565	2.964	3.541	4.007
270 mm	0.240	0.375	0.539	0.734	0.959	1.213	1.600	1.924	2.279	2.663	3.078	3.677	4.161
275 mm	0.244	0.382	0.549	0.748	0.977	1.236	1.629	1.960	2.321	2.713	3.135	3.745	4.238
280 mm	0.249	0.388	0.559	0.761	0.994	1.258	1.659	1.995	2.363	2.762	3.192	3.813	4.316
290 mm	0.257	0.402	0.579	0.788	1.030	1.303	1.718	2.067	2.448	2.861	3.306	3.949	4.470
300 mm	0.266	0.416	0.599	0.816	1.065	1.348	1.777	2.138	2.532	2.959	3.420	4.086	4.624

NUTS

APPROX. WEIGHT IN KGS FOR 100 NOS.

SIZE	OLD SPEC IS 1363/67	NEW SPEC IS 1363/92	HEIGHT = DIA NUTS	HEX LOCK NUTS IS 1364-84	SIZE	HEX NUTS BSW / BSF	HEX LOCK NUTS BSW / BSF	SQUARE NUTS - BSW	ASTM A-194 UNC HEAVY HEX NUTS
M2	0.011				1/8"	0.041			
M3	0.033				5/32"	0.053			
M4	0.067				3/16"	0.133			
M5	0.111			0.080	1/4"	0.323	0.190	0.340	
M6	0.232			0.120	5/16"	0.510	0.340	0.654	0.758

M7	0.294				3/8"	0.817	0.510	0.966	1.370
M8	0.482			0.300	7/16"	1.389	0.930	1.683	2.000
M10	1.020	0.909	1.282	0.670	1/2"	2.222	1.430	2.677	2.959
M12	1.590	1.389	1.942	1.090	5/8"	4.348	2.700	5.040	5.263
M14	2.400		3.049	1.680	3/4"	7.184	4.800	8.818	8.621
M16	3.081	3.333	3.906	1.800	7/8"	8.621	5.600	10.917	12.658
M18	4.448		5.814	2.690	1"	12.987	8.500	15.432	17.986
M20	6.031	6.667	7.519	3.300	1.1/8"	18.182	11.800	23.364	26.316
M22	7.143	8.929	9.091	3.890	1.1/4"	26.596	17.200	33.333	34.247
M24	10.309	12.500	12.821	5.100	1.3/8"	37.879	23.000		44.248
M27	15.432		18.657	8.150	1.1/2"	45.455	28.000		60.241
M30	21.645		26.596	10.400	1.5/8"	71.429			73.529
M33	27.174		34.483	14.300	1.3/4"	71.429	46.000		90.909

M36	37.037		43.860	17.600	2"	81.967	54.000		135.135
M39	47.619		57.471	24.000	2.1/4"	111.111			185.185
M42	57.471		73.529	27.500	2.1/2"	172.414			238.095
M45	72.464		92.593	37.000	2.3/4"	263.158			333.333
M48	92.593		113.636	42.800	3"	333.333			454.545
M52	108.696		138.889	52.000	0 BA	0.270			
M56	131.579		166.667		2 BA	0.126			
M60	161.290		192.308						
M64	185.185		227.273						
M72	250.000		312.500						
M80	333.333								
M90	454.545								
M100	625.000								

WASHERS

APPROX. WEIGHT IN KGS FOR 100 NOS

SIZE	PLAIN PUNCHED WASHER IS:2016	HEAVY WASHER IS:6610	MACHINED WASHER IS:2016	TAPER WASHERS				SPRING WASHER FLAT SECTION IS:3063-72	SPRING WASHER SQUARE SECTION IS:6735-72 DIN : 7980		
				HIGH STRENGTH FRICTION GRIP		FOR CHANNELS IS:5372-75	FOR I-BEAM IS:5374- 75			TYPE-B (CHANNELS) IS : 6649-85	TYPE-C (I-BEAMS) IS : 6649-85
M-3									0.01	0.01	
M-4									0.02	0.02	
M-5	0.04		0.04						0.03	0.03	
M-6	0.11		0.11						0.08	0.04	
M-8	0.20		0.21	1.10	1.20				0.16	0.11	
M-10	0.39	1.60	0.40	1.00	1.10				0.25	0.20	

M-12	0.58	1.90	0.62	2.00	2.20	2.00	1.80	0.38	0.23
M-14	0.82							0.60	0.38
M-16	1.06	2.90	1.13	3.40	3.75	9.00	8.50	0.89	0.59
M-18	1.27							0.97	0.66
M-20	1.64	4.40	1.72	5.80	6.70	8.50	8.00	1.52	1.23
M-22	1.75					7.50	7.00	1.65	1.36
M-24	3.11	6.30	3.30	13.50	16.00	6.50	6.00	2.62	1.81
M-27	3.94	8.00	4.23	12.50	15.00	12.00	11.50	2.87	2.06
M-30	5.05	10.10	5.36	16.50	18.70	17.50	16.00	4.43	3.20
M-33	7.10	12.00	7.54	21.00	23.50	23.00	22.50	6.30	3.50
M-36	8.73	14.60	9.20	25.50	29.20	26.50	26.00	6.73	5.25
M-39	12.60	16.70	13.30	28.30	34.50			7.17	5.61
M-42	17.50	20.10	18.30					11.10	8.00

M-45	21.20	22.20	22.00					11.70	8.53
M-48	28.40	26.00	29.40					12.30	9.00
M-52	31.90		33.00					18.20	
M-56	47.90							19.30	
M-60	51.60							20.30	
M-64	55.40							21.80	
M-68	57.40								
M-72	63.40							24.00	

MACHINE SCREWS

MACHINE SCREWS CHEESE HEAD AS PER IS 1366-2002

APPROXIMATE WEIGHT IN KGS FOR 100 NOS

DIA \ LENGT H	2	3	4	5	6	8	10	12	14	16	20	25	30	35	40	45	50	55	60	65	70	80	90	100	
M1.6	0.007	0.008	0.009	0.010	0.011	0.014	0.016	0.018	0.020	0.023															
M2		0.016	0.017	0.019	0.021	0.025	0.029	0.032	0.036	0.040	0.047														
M2.5		0.027	0.030	0.033	0.036	0.042	0.048	0.054	0.060	0.066	0.078														
M3					0.060	0.069	0.078	0.087	0.096	0.104	0.122	0.140	0.160	0.180	0.210	0.230	0.250	0.270	0.290						
M4					0.111	0.126	0.141	0.157	0.172	0.188	0.219	0.258	0.299	0.341	0.384	0.417	0.451	0.477	0.490		0.566	0.642	0.718		
M5					0.206	0.220	0.235	0.280	0.305	0.330	0.378	0.440	0.502	0.562	0.625	0.688	0.750	0.810	0.875		1.000	1.130	1.255	1.380	

M3						0.037	0.047	0.056	0.065	0.078	0.089	0.100	0.122	0.145	0.166	0.188	0.210	0.232	0.254	0.276				
M4							0.094	0.110	0.125	0.141	0.150	0.187	0.226	0.264	0.301	0.338	0.376	0.414	0.452	0.490	0.566	0.642	0.718	
M5								0.183	0.208	0.246	0.260	0.307	0.370	0.431	0.493	0.555	0.617	0.680	0.743	0.806	0.932	1.058	1.185	1.310
M6								0.274	0.308	0.370	0.405	0.450	0.538	0.626	0.715	0.801	0.886	0.970	1.075	1.152	1.330	1.504	1.680	1.856
M8									0.611	0.686	0.790	0.865	1.020	1.180	1.340	1.500	1.650	1.810	1.970	2.135	2.400	2.740	3.060	3.380
M10										1.350	1.450	1.700	1.950	2.200	2.450	2.700	2.950	3.200	3.450	3.800	4.390	4.900		5.410
M12											2.180	2.550	2.920	3.280	3.650	4.010	4.380	4.750	5.110	5.840	6.570	7.820		9.100
M16												4.540	5.210	5.870	6.540	7.200	7.870	8.530	9.190	10.500	11.800	13.100		14.500
M20													8.160	9.260	10.300	11.400	12.500	13.600	14.700	16.900	19.100			

MACHINE SCREWS CSK HEAD AS PER BS 450

APPROXIMATE WEIGHT IN KGS FOR 100 NOS

PAN PHILLIPS (CROSS RECESSED) HEAD MACHINE SCREWS TO IS 7483/2005 ISO 7045 : 1994 (DIN 7985)

<i>APPROXIMATE WEIGHT IN KGS FOR 100 NOS</i>																		
DIA \ LENGTH	3	4	5	6	8	10	12	14	16	20	25	30	35	40	45	50	55	60
M1.6	0.0099	0.0111	0.0123	0.0134	0.0157	0.0180	0.0203	0.0226	0.0245									
M2	0.0178	0.0196	0.0215	0.0233	0.0270	0.0307	0.0344	0.0381	0.0418	0.0492								
M2.5	0.0336	0.0366	0.0396	0.0426	0.0486	0.0546	0.0606	0.0666	0.0726	0.0846	0.0996							
M3		0.0544	0.0588	0.0632	0.0720	0.0808	0.0896	0.0984	0.1070	0.1250	0.1470	0.169						
M3.5			0.0891	0.0951	0.1070	0.1190	0.1310	0.1430	0.1550	0.1790	0.2090	0.239	0.268					
M4			0.1300	0.1380	0.1530	0.1690	0.1840	0.2000	0.2150	0.2460	0.2850	0.323	0.362	0.401				
M5				0.2320	0.2570	0.2810	0.3060	0.3310	0.3560	0.4050	0.4670	0.529	0.591	0.652	0.714			
M6					0.4370	0.4720	0.5070	0.5420	0.5780	0.6480	0.7360	0.824	0.912	1.000	1.090	1.181	1.26	1.35

M8						0.9960	1.0600	1.1200	1.1900	1.3200	1.4800	1.640	1.800	1.960	2.120	2.28	2.44	2.60
M10							1.9800	2.0800	2.1800	2.3800	2.6300	2.880	3.130	3.390	3.640	3.89	4.14	4.39

CSK PHILLIPS (CROSS RECESSED) HEAD MACHINE SCREWS TO IS7485 (part 1)/2005 ISO 7046-1 : 1994 (DIN 965A)

APPROXIMATE WEIGHT IN KGS FOR 100 NOS																		
DIA \ LENGTH	3	4	5	6	8	10	12	14	16	20	25	30	35	40	45	50	55	60
M1.6	0.0058	0.0069	0.0081	0.0093	0.0116	0.0139	0.0162	0.0185	0.0208									
M2	0.0101	0.0119	0.0137	0.0152	0.0193	0.0231	0.0268	0.0306	0.0343	0.0417								
M2.5	0.0176	0.0206	0.0236	0.0266	0.0326	0.0386	0.0446	0.0507	0.0567	0.0687	0.0838							
M3		0.0291	0.0335	0.0379	0.0467	0.0555	0.0643	0.0731	0.0820	0.0996	0.1220	0.144						

3	0.0155																	
4	0.0175																	
5	0.0195	0.067																
6	0.0215	0.071	0.150															
8	0.0255	0.080	0.165	0.245														
10	0.0295	0.088	0.180	0.270	0.470													
12	0.0355	0.096	0.195	0.295	0.507	1.09												
16	0.0415	0.116	0.225	0.345	0.575	1.21	2.09											
20	0.0495	0.136	0.265	0.401	0.653	1.34	2.29	3.21										
25		0.161	0.315	0.478	0.759	1.50	2.54	3.57	4.80	7.13								
30		0.186	0.365	0.555	0.830	1.69	2.79	3.93	5.30	7.78	12.8							
35			0.415	0.632	0.991	1.89	3.04	4.29	5.80	8.44	13.9							
40			0.465	0.709	1.100	2.09	3.29	4.65	6.30	9.10	15.0	27.0						

45				0.786	1.210	2.29	3.61	5.01	6.80	9.76	16.1	28.5	50.0					
50				0.863	1.320	2.49	3.93	5.45	7.30	10.60	17.2	30.0	52.7					
55					1.430	2.69	4.25	5.89	7.80	11.40	18.3	31.6	55.4	87				
60					1.540	2.89	4.57	6.34	8.40	12.20	19.4	33.0	58.1	91	137			
65						3.10	4.89	6.78	9.00	13.00	20.5	34.5	60.8	95	142			
70						3.30	5.21	7.13	9.60	13.80	21.6	36.3	63.5	99	147	204		
80						3.70	5.85	8.02	10.80	15.40	24.1	39.9	69.0	107	158	218	334	
90							6.49	8.91	12.00	17.00	26.6	43.5	74.5	115	168	232	353	522
100							7.12	9.80	13.20	18.6.	29.1	47.1	80.0	123	179	246	372	547
110								10.70	14.40	20.20	31.6	50.7	85.5	131	189	260	392	573
120								11.60	15.60	21.80	34.1	54.3	91.0	139	200	274	411	598
130									16.80	23.40	36.6	57.9	96.5	147	210	288	430	623
140									18.00	25.00	39.1	61.5	102	155	221	302	449	649

150										26.60	41.6	65.1	108	163	232	316	468	674
160										28.20	44.1	68.7	113	171	242	330	488	690
180											49.1	75.9	124	187	264	359	527	725
200											54.1	83.1	135	203	286	387	565	775
220												90.3	146	219	308	415	604	825
240												97.5	157	225	330	443	642	875
260													168	241	352	471	681	926
280													179	257	374	499	720	976
300													190	273	396	527	758	1030

HEXAGONAL SOCKET SET SCREWS (GRUB SCREWS) With cup point TO IS 6094(PART 4)2006, ISO 4029 : 2003 (DIN 916)

APPROXIMATE WEIGHT IN KGS FOR 100 NOS

LENGTH\DIA	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24
2	0.0019	0.0029											
2.5	0.0025	0.0037	0.0063										
3	0.0029	0.0044	0.0075	0.010									
4	0.0037	0.0059	0.0100	0.014	0.023								
5	0.0046	0.0074	0.0125	0.018	0.0305	0.042							
6	0.0054	0.0089	0.0150	0.022	0.038	0.054	0.074						
8	0.0070	0.0119	0.0199	0.030	0.053	0.078	0.109	0.188					
10		0.0148	0.0249	0.038	0.068	0.102	0.144	0.251	0.372				
12			0.0299	0.046	0.083	0.126	0.179	0.314	0.473	0.67			
16				0.062	0.113	0.174	0.249	0.440	0.673	0.95	1.57		
20					0.140	0.222	0.319	0.566	0.872	1.23	2.09	3.13	
25						0.282	0.407	0.724	1.120	1.58	2.74	4.14	5.52

30							0.494	0.881	1.370	1.93	3.39	5.17	7.03
35								1.040	1.620	2.27	4.04	6.20	8.53
40								1.200	1.870	2.62	4.69	7.23	10.00
45									2.120	2.97	5.33	8.26	11.50
50									2.360	3.32	5.98	9.26	13.00
55										3.66	6.63	10.30	14.50
60										4.01	7.28	11.40	16.00