

WEIGHT IN KG PER SET OF METRIC STUDBOLT C/W 2 HEAVY HEX NUTS

DIA L	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52	M56	M60	M64	M68	M72	M76	M80	M85	M90	M95
	50	0.028	0.053	0.076	0.112	0.147	0.198	0.261	0.318	0.423	0.593	0.801	1.009	1.319	1.665	2.083	2.546	3.087	3.710	4.414	5.161	6.056	6.998	8.015	9.154	10.304	11.704	14.420
55	0.030	0.055	0.079	0.117	0.153	0.206	0.272	0.331	0.438	0.612	0.824	1.037	1.354	1.706	2.132	2.602	3.151	3.787	4.501	5.261	6.172	7.129	8.163	9.321	10.484	11.909	14.650	16.429
60	0.032	0.058	0.083	0.121	0.160	0.215	0.282	0.343	0.453	0.631	0.848	1.066	1.390	1.748	2.182	2.659	3.216	3.864	4.589	5.361	6.287	7.261	8.310	9.488	10.664	12.113	14.880	16.686
65	0.033	0.060	0.086	0.126	0.166	0.223	0.292	0.356	0.468	0.650	0.871	1.095	1.425	1.790	2.231	2.716	3.280	3.941	4.676	5.461	6.403	7.393	8.458	9.656	10.845	12.318	15.110	16.943
70	0.035	0.063	0.090	0.131	0.173	0.231	0.302	0.369	0.483	0.670	0.894	1.123	1.460	1.832	2.280	2.773	3.345	4.018	4.764	5.561	6.518	7.525	8.605	9.823	11.025	12.522	15.340	17.200
75	0.036	0.065	0.093	0.136	0.180	0.239	0.313	0.382	0.498	0.689	0.918	1.157	1.496	1.874	2.330	2.830	3.410	4.095	4.851	5.662	6.634	7.656	8.753	9.990	11.205	12.727	15.571	17.457
80	0.038	0.068	0.097	0.141	0.186	0.247	0.323	0.395	0.512	0.708	0.941	1.181	1.531	1.916	2.379	2.887	3.474	4.172	4.938	5.762	6.750	7.788	8.900	10.158	11.386	13.931	15.801	17.714
85	0.039	0.070	0.101	0.146	0.193	0.256	0.333	0.407	0.527	0.727	0.964	1.209	1.566	1.957	2.428	2.944	3.539	4.249	5.026	5.862	6.865	7.920	9.048	10.325	11.566	13.135	16.031	17.971
90	0.041	0.073	0.104	0.151	0.199	0.264	0.344	0.420	0.541	0.747	0.988	1.238	1.601	1.999	2.477	3.001	3.604	4.326	5.113	5.962	6.981	8.052	9.195	10.492	11.746	13.340	16.261	18.229
95	0.042	0.075	0.108	0.156	0.206	0.272	0.354	0.433	0.557	0.766	1.011	1.267	1.637	2.041	2.527	3.058	3.668	4.403	5.201	6.062	7.096	8.183	9.343	10.660	11.927	13.544	16.491	18.486
100	0.044	0.077	0.111	0.161	0.212	0.280	0.364	0.446	0.572	0.785	1.034	1.295	1.672	2.083	2.576	3.115	3.733	4.480	5.288	6.162	7.212	8.315	9.490	10.827	12.107	13.749	16.721	18.743
105	0.045	0.080	0.115	0.165	0.219	0.288	0.375	0.459	0.587	0.804	1.058	1.324	1.707	2.125	2.625	3.172	3.798	4.557	5.375	6.262	7.328	8.447	9.638	10.994	12.287	13.953	16.951	19.000
110	0.047	0.082	0.118	0.170	0.226	0.296	0.385	0.471	0.602	0.824	1.081	1.353	1.743	2.167	2.675	3.229	3.862	4.634	5.463	6.362	7.443	8.579	9.785	11.162	12.468	14.158	17.181	19.257
115	0.048	0.085	0.122	0.175	0.232	0.305	0.395	0.484	0.617	0.843	1.104	1.381	1.778	2.209	2.724	3.286	3.927	4.711	5.550	6.462	7.559	8.710	9.933	11.329	12.648	14.362	17.411	19.514
120	0.050	0.087	0.125	0.180	0.239	0.313	0.405	0.497	0.632	0.862	1.127	1.410	1.813	2.250	2.773	3.343	3.992	4.788	5.638	6.562	7.674	8.842	10.080	11.496	12.828	14.567	17.641	19.771
125	0.052	0.090	0.129	0.185	0.245	0.321	0.416	0.510	0.647	0.881	1.151	1.439	1.849	2.292	2.823	3.400	4.056	4.865	5.725	6.663	7.790	8.974	10.228	11.664	13.009	14.771	17.871	20.028
130	0.053	0.092	0.132	0.190	0.252	0.329	0.426	0.523	0.661	0.901	1.174	1.467	1.884	2.334	2.872	3.457	4.121	4.942	5.812	6.763	7.906	9.106	10.375	11.831	13.189	14.975	18.101	20.286
135	0.055	0.095	0.136	0.195	0.258	0.337	0.436	0.535	0.676	0.920	1.197	1.491	1.919	2.376	2.921	3.514	4.186	5.019	5.900	6.863	8.021	9.237	10.523	11.998	13.370	15.180	18.331	20.543
140	0.056	0.097	0.139	0.200	0.265	0.346	0.447	0.548	0.691	0.939	1.221	1.525	1.954	2.418	2.970	3.571	4.250	5.096	5.987	6.963	8.137	9.369	10.670	12.166	13.550	15.384	18.561	20.800
145	0.058	0.100	0.143	0.205	0.272	0.354	0.457	0.561	0.706	0.958	1.244	1.553	1.990	2.460	3.020	3.628	4.315	5.173	6.075	7.063	8.252	9.501	10.818	12.333	13.730	15.589	18.791	21.057
150	0.059	0.102	0.146	0.210	0.278	0.362	0.467	0.574	0.721	0.978	1.267	1.582	2.025	2.502	3.069	3.685	4.380	5.250	6.162	7.163	8.368	9.633	10.965	12.504	13.911	15.793	19.021	21.314
155	0.061	0.104	0.150	0.214	0.285	0.370	0.478	0.587	0.736	0.997	1.291	1.611	2.060	2.543	3.118	3.741	4.444	5.327	6.249	7.263	8.484	9.764	11.113	12.668	14.091	15.998	19.251	21.571
160	0.062	0.107	0.153	0.219	0.291	0.378	0.488	0.599	0.751	1.016	1.314	1.639	2.096	2.585	3.168	3.798	4.509	5.404	6.337	7.363	8.599	9.896	11.260	12.835	14.271	16.202	19.481	21.828
165	0.064	0.109	0.157	0.224	0.298	0.387	0.498	0.612	0.766	1.035	1.337	1.668	2.131	2.627	3.217	3.855	4.573	5.481	6.424	7.463	8.715	10.028	11.408	13.003	14.452	16.407	19.711	22.086
170	0.065	0.112	0.160	0.229	0.304	0.395	0.508	0.625	0.781	1.055	1.361	1.697	2.166	2.669	3.266	3.912	4.638	5.558	6.512	7.563	8.830	10.160	11.555	13.170	14.632	16.611	19.941	22.343
175	0.067	0.114	0.164	0.234	0.311	0.403	0.519	0.638	0.796	1.074	1.384	1.725	2.202	2.711	3.316	3.969	4.703	5.635	6.599	7.664	8.946	10.291	11.703	13.337	14.812	16.815	20.171	22.600
180	0.069	0.117	0.168	0.239	0.318	0.411	0.529	0.651	0.810	1.093	1.407	1.754	2.237	2.753	3.365	4.026	4.767	5.712	6.686	7.764	9.062	10.423	11.850	13.505	14.993	17.020	20.401	22.857
185	0.070	0.119	0.171	0.244	0.324	0.419	0.539	0.663	0.825	1.112	1.430	1.783	2.272	2.794	3.414	4.083	4.832	5.789	6.774	7.864	9.177	10.555	11.998	13.672	15.173	17.224	20.631	23.114
190	0.072	0.122	0.175	0.249	0.331	0.427	0.550	0.676	0.840	1.132	1.454	1.811	2.307	2.836	3.463	4.140	4.897	5.866	6.861	7.964	9.293	10.687	12.145	13.839	15.353	17.429	20.861	23.371
195	0.073	0.124	0.178	0.254	0.337	0.436	0.560	0.689	0.855	1.151	1.477	1.840	2.343	2.878	3.513	4.197	4.961	5.943	6.949	8.064	9.408	10.818	12.293	14.007	15.534	17.633	21.091	23.628
200	0.075	0.126	0.182	0.258	0.344	0.444	0.570	0.702	0.870	1.170	1.500	1.869	2.378	2.920	3.562	4.254	5.026	6.020	7.036	8.164	9.524	10.950	12.440	14.174	15.714	17.838	21.321	23.886
205	0.076	0.129	0.185	0.263	0.350	0.452	0.581	0.715	0.885	1.189	1.524	1.897	2.413	2.962	3.611	4.311	5.091	6.097	7.123	8.264	9.640	11.082	12.588	14.341	15.895	18.042	21.551	24.143
210	0.078	0.131	0.189	0.268	0.357	0.460	0.591	0.727	0.900	1.209	1.547	1.926	2.449	3.004	3.661	4.368	5.155	6.174	7.211	8.364	9.755	11.214	12.735	14.509	16.075	18.246	21.781	24.400

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	215	0.079	0.134	0.192	0.273	0.364	0.468	0.601	0.740	0.915	1.228	1.570	1.955	2.484	3.046	3.710	4.425	5.220	6.251	7.298	8.464	9.871	11.345	12.883	14.676	16.255	18.451	22.012
220	0.081	0.136	0.196	0.278	0.370	0.477	0.611	0.753	0.930	1.247	1.594	1.983	2.519	3.087	3.759	4.482	5.285	6.328	7.386	8.564	9.986	11.477	13.030	14.843	16.436	18.655	22.242	24.914
225	0.082	0.139	0.199	0.283	0.377	0.485	0.622	0.766	0.945	1.266	1.617	2.012	2.555	3.129	3.809	4.539	5.349	6.405	7.473	8.665	10.102	11.609	13.178	15.011	16.616	18.860	22.472	25.171
230	0.084	0.141	0.203	0.288	0.383	0.493	0.632	0.779	0.959	1.286	1.640	2.041	2.590	3.171	3.858	4.596	5.414	6.482	7.560	8.765	10.218	11.741	13.325	15.178	16.796	19.064	22.702	25.428
235	0.086	0.144	0.206	0.293	0.390	0.501	0.642	0.791	0.974	1.305	1.664	2.069	2.625	3.213	3.907	4.653	5.479	6.559	7.648	8.865	10.333	11.872	13.473	15.345	16.977	19.269	22.932	25.686
240	0.087	0.146	0.210	0.298	0.396	0.509	0.653	0.804	0.989	1.324	1.687	2.098	2.660	3.255	3.956	4.710	5.543	6.636	7.735	8.965	10.449	12.004	13.620	15.513	17.157	19.473	23.162	25.943
245	0.089	0.148	0.213	0.302	0.403	0.517	0.663	0.817	1.004	1.343	1.710	2.127	2.696	3.297	4.006	4.767	5.608	6.713	7.823	9.065	10.564	12.136	13.768	15.680	17.337	19.678	23.392	26.200
250	0.090	0.151	0.217	0.307	0.410	0.526	0.673	0.830	1.019	1.363	1.734	2.156	2.731	3.339	4.055	4.824	5.673	6.790	7.910	9.165	10.680	12.268	13.915	15.848	17.518	19.882	23.622	26.457
255	0.092	0.153	0.220	0.312	0.416	0.534	0.684	0.843	1.034	1.382	1.757	2.184	2.766	3.380	4.104	4.880	5.737	6.867	7.997	9.265	10.796	12.399	14.063	16.015	17.698	20.086	23.852	26.714
260	0.093	0.156	0.224	0.317	0.423	0.542	0.694	0.855	1.049	1.401	1.780	2.213	2.802	3.422	4.154	4.937	5.802	6.944	8.085	9.365	10.911	12.531	14.210	16.182	17.878	20.291	24.082	26.971
265	0.095	0.158	0.227	0.322	0.429	0.550	0.704	0.868	1.064	1.420	1.803	2.242	2.837	3.464	4.203	4.994	5.866	7.021	8.172	9.465	11.027	12.663	14.358	16.350	18.059	20.495	24.312	27.228
270	0.096	0.161	0.231	0.327	0.436	0.558	0.714	0.881	1.079	1.440	1.827	2.170	2.872	3.506	4.252	5.051	5.931	7.098	8.260	9.565	11.142	12.795	14.505	16.517	18.239	20.700	24.542	27.485
275	0.098	0.163	0.234	0.332	0.442	0.567	0.725	0.894	1.094	1.459	1.850	2.299	2.908	3.548	4.302	5.108	5.996	7.175	8.347	9.666	11.258	12.926	14.653	16.684	18.419	20.904	24.772	27.746
280	0.099	0.166	0.238	0.337	0.449	0.575	0.735	0.907	1.108	1.478	1.873	2.328	2.943	3.590	4.351	5.165	6.060	7.252	8.434	9.766	11.374	13.058	14.800	16.852	18.600	21.109	25.002	28.000
285	0.101	0.168	0.242	0.342	0.455	0.583	0.745	0.919	1.123	1.497	1.897	2.356	2.978	3.631	4.400	5.222	6.125	7.329	8.522	9.866	11.489	13.190	14.948	17.019	18.780	21.313	25.232	28.257
290	0.102	0.170	0.245	0.346	0.462	0.591	0.756	0.932	1.138	1.517	1.920	2.385	3.013	3.673	4.449	5.279	6.190	7.406	8.609	9.966	11.605	13.322	15.095	17.186	18.961	21.518	25.462	28.514
295	0.104	0.173	0.249	0.351	0.469	0.599	0.766	0.945	1.153	1.536	1.943	2.414	3.049	3.715	4.499	5.336	6.254	7.483	8.697	10.066	11.720	13.453	15.243	17.354	19.141	21.722	25.692	28.771
300	0.106	0.175	0.252	0.356	0.475	0.608	0.776	0.958	1.168	1.555	1.967	2.442	3.084	3.757	4.548	5.393	6.319	7.560	8.784	10.166	11.836	13.585	15.390	17.521	19.321	21.926	25.922	29.028
305	0.107	0.178	0.256	0.361	0.482	0.616	0.787	0.971	1.183	1.574	1.990	2.471	3.119	3.799	4.597	5.450	6.384	7.637	8.871	10.266	11.952	13.717	15.538	17.688	19.502	22.131	26.152	29.286
310	0.109	0.180	0.250	0.366	0.488	0.624	0.792	0.983	1.198	1.594	2.013	2.500	3.155	3.841	4.647	5.507	6.448	7.714	8.959	10.366	12.067	13.849	15.685	17.856	19.682	22.335	26.382	29.543
315	0.110	0.183	0.263	0.371	0.495	0.632	0.807	0.996	1.213	1.613	2.037	2.528	3.190	3.883	4.696	5.564	6.513	7.791	9.046	10.466	12.183	13.980	15.833	18.023	19.862	22.540	26.612	29.800
320	0.112	0.185	0.266	0.376	0.501	0.640	0.817	1.009	1.228	1.632	2.060	2.557	3.225	3.924	4.745	5.621	6.578	7.868	9.134	10.566	12.298	14.112	15.980	18.190	20.043	22.744	26.842	30.057
325	0.113	0.188	0.270	0.381	0.508	0.648	0.828	1.022	1.243	1.651	2.083	2.586	3.261	3.966	4.795	5.678	6.642	7.945	9.221	10.667	12.414	14.244	16.128	18.358	20.223	22.949	27.072	30.314
330	0.115	0.190	0.273	0.386	0.515	0.657	0.838	1.035	1.257	1.671	2.106	2.614	3.296	4.008	4.844	5.735	6.707	8.022	9.308	10.767	12.530	14.376	16.275	18.525	20.403	23.153	27.302	30.571
335	0.116	0.192	0.277	0.390	0.521	0.665	0.848	1.047	1.272	1.690	2.130	2.643	3.331	4.050	4.893	5.792	6.772	8.099	9.396	10.867	12.645	14.502	16.423	18.692	20.584	23.357	27.532	30.828
340	0.118	0.195	0.280	0.395	0.528	0.673	0.859	1.060	1.287	1.709	2.153	2.672	3.366	4.092	4.942	5.849	6.836	8.176	9.483	10.967	12.761	14.639	16.570	18.860	20.764	23.562	27.762	31.086
345	0.119	0.197	0.284	0.400	0.534	0.681	0.869	1.073	1.302	1.728	2.176	2.700	3.402	4.134	4.992	5.906	6.901	8.253	9.571	11.067	12.876	14.771	16.718	19.027	20.944	23.766	27.992	31.343
350	0.121	0.200	0.287	0.405	0.541	0.689	0.879	1.086	1.317	1.748	2.200	2.729	3.437	4.176	5.041	5.963	6.966	8.330	9.658	11.167	12.992	14.903	16.865	19.195	21.125	23.971	28.222	31.600
355	0.123	0.202	0.291	0.410	0.547	0.698	0.890	1.099	1.332	1.767	2.223	2.758	3.472	4.217	5.090	6.019	7.030	8.407	9.745	11.267	13.108	15.034	17.013	19.362	21.305	24.175	28.453	31.857
360	0.124	0.205	0.294	0.415	0.554	0.706	0.900	1.111	1.347	1.786	2.246	2.786	3.508	4.259	5.140	6.076	7.095	8.484	9.833	11.367	13.223	15.166	17.160	19.529	21.485	24.380	28.683	32.114
365	0.126	0.207	0.298	0.420	0.561	0.714	0.910	1.124	1.362	1.805	2.270	2.815	3.543	4.301	5.189	6.133	7.159	8.561	9.920	11.467	13.339	15.298	17.308	19.697	21.666	24.584	28.913	32.371
370	0.127	0.210	0.301	0.425	0.567	0.722	0.920	1.137	1.377	1.825	2.293	2.844	3.578	4.343	5.238	6.190	7.224	8.638	10.008	11.567	13.454	15.430	17.455	19.864	21.846	24.789	29.143	32.628
375	0.129	0.212	0.305	0.430	0.574	0.730	0.931	1.150	1.392	1.844	2.316	2.872	3.614	4.385	5.288	6.247	7.289	8.715	10.095	11.668	13.570	15.561	17.603	20.031	22.027	24.993	29.373	32.885

WEIGHT IN KG PER SET OF METRIC STUDBOLT C/W 2 HEAVY HEX NUTS

DIA L	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52	M56	M60	M64	M68	M72	M76	M80	M85	M90	M95
	380	0.130	0.214	0.309	0.434	0.580	0.738	0.941	1.163	1.406	1.863	2.340	2.901	3.649	4.427	5.337	6.304	7.353	8.792	10.182	11.768	13.686	15.693	17.750	20.199	22.207	25.197	29.603
385	0.132	0.217	0.312	0.439	0.587	0.747	0.951	1.175	1.421	1.882	2.363	2.930	3.684	4.468	5.386	6.361	7.418	8.869	10.270	11.868	13.801	15.825	17.898	20.366	22.387	25.402	29.833	33.400
390	0.133	0.219	0.316	0.444	0.593	0.755	0.962	1.188	1.436	1.902	2.386	2.958	3.719	4.510	5.435	6.418	7.483	8.946	10.357	11.968	13.917	15.957	18.045	20.533	22.568	25.606	30.063	33.657
395	0.135	0.222	0.319	0.449	0.600	0.763	0.972	1.201	1.451	1.921	2.409	2.987	3.755	4.552	5.485	6.475	7.547	9.023	10.445	12.068	14.032	16.088	18.193	20.701	22.748	25.811	30.293	33.914
400	0.136	0.224	0.323	0.454	0.607	0.771	0.982	1.214	1.466	1.940	2.433	3.016	3.790	4.594	5.534	6.532	7.612	9.100	10.532	12.168	14.148	16.220	18.340	20.868	22.928	26.015	30.523	34.171
405	0.138	0.227	0.326	0.459	0.613	0.779	0.993	1.227	1.481	1.959	2.456	3.044	3.825	4.636	5.583	6.589	7.677	9.177	10.619	12.268	14.264	16.352	18.488	21.035	23.109	26.220	30.753	34.428
410	0.140	0.229	0.330	0.464	0.620	0.788	1.003	0.207	1.496	1.979	2.479	3.073	3.861	4.678	5.633	6.646	7.741	9.254	10.707	12.368	14.379	16.484	18.635	21.203	23.289	26.424	30.983	34.685
415	0.141	0.232	0.333	0.469	0.626	0.796	1.013	1.252	1.511	1.998	2.503	3.102	3.896	4.720	5.682	6.703	7.806	9.331	10.794	12.468	14.495	16.615	18.783	21.370	23.469	26.629	31.213	34.943
420	0.143	0.234	0.337	0.474	0.633	0.804	1.023	1.265	1.526	2.017	2.526	3.130	3.931	4.761	5.731	6.760	7.871	9.408	10.882	12.568	14.610	16.747	18.930	21.537	23.650	26.833	31.443	35.200
425	0.144	0.236	0.340	0.478	0.639	0.812	1.034	1.278	1.541	2.036	2.549	3.159	3.967	4.803	5.781	6.817	7.935	9.485	10.969	12.669	14.726	16.879	19.078	21.705	23.830	27.037	31.673	35.457
430	0.146	0.239	0.344	0.483	0.646	0.820	1.044	1.291	1.555	2.056	2.573	3.188	4.002	4.845	5.830	6.874	8.000	9.562	11.056	12.769	14.842	17.011	19.225	21.872	24.010	27.242	31.903	35.714
435	0.147	0.241	0.347	0.488	0.653	0.828	1.054	1.303	1.570	2.075	2.596	3.216	4.037	4.887	5.879	6.931	8.065	9.639	11.144	12.869	14.957	17.142	19.373	22.039	24.191	27.446	32.133	35.971
440	0.149	0.244	0.351	0.493	0.659	0.837	1.065	1.316	1.585	2.094	2.619	3.245	4.072	4.929	5.928	6.988	8.129	9.716	11.231	12.969	15.073	17.274	19.520	22.207	24.371	27.651	32.363	36.228
445	0.150	0.246	0.354	0.498	0.666	0.845	1.075	1.329	1.600	2.113	2.643	3.274	4.108	4.971	5.978	7.045	8.194	9.793	11.319	13.069	15.188	17.406	19.668	22.374	24.551	27.855	32.593	36.485
450	0.152	0.249	0.358	0.503	0.672	0.853	1.085	1.342	1.615	2.133	2.666	3.302	4.143	5.013	6.027	7.102	8.259	9.870	11.406	13.169	15.304	17.538	19.815	22.542	24.732	28.060	32.823	36.743
455	0.153	0.251	0.361	0.508	0.679	0.861	1.096	1.355	1.630	2.152	2.689	3.331	4.178	5.054	6.076	7.158	8.323	9.947	11.493	13.269	15.420	17.669	19.963	22.709	24.912	28.264	33.053	37.000
460	0.155	0.254	0.365	0.513	0.685	0.869	1.106	1.367	1.645	2.171	2.713	3.360	4.214	5.096	6.126	7.215	8.388	10.024	11.581	13.369	15.535	17.801	20.110	22.876	25.093	28.468	33.283	37.257
465	0.157	0.256	0.368	0.518	0.692	0.878	1.116	1.380	1.660	2.190	2.736	3.388	4.249	5.138	6.175	7.272	8.452	10.101	11.668	13.469	15.651	17.933	20.258	23.044	25.273	28.673	33.513	37.514
470	0.158	0.258	0.372	0.522	0.699	0.886	1.126	1.393	1.675	2.210	2.759	3.417	4.284	5.180	6.224	7.329	8.517	10.178	11.756	13.569	15.766	18.065	20.405	23.211	25.453	28.877	33.743	37.771
475	0.160	0.261	0.375	0.527	0.705	0.894	1.137	1.406	1.690	2.229	2.782	3.446	4.320	5.222	6.274	7.386	8.582	10.255	11.843	13.670	15.882	18.196	20.553	23.378	25.634	29.082	33.973	38.028
480	0.161	0.263	0.379	0.532	0.712	0.902	1.147	1.419	1.704	2.248	2.806	3.474	4.355	5.264	6.323	7.443	8.646	10.332	11.930	13.770	15.998	18.328	20.700	23.546	25.814	29.286	34.203	38.285
485	0.163	0.266	0.383	0.537	0.718	0.910	1.157	1.431	1.719	2.267	2.829	3.503	4.390	5.305	6.372	7.500	8.711	10.409	12.018	13.870	16.113	18.460	20.848	23.713	25.994	29.491	34.433	38.543
490	0.164	0.268	0.386	0.542	0.725	0.919	1.168	1.444	1.734	2.287	2.852	3.532	4.425	5.347	6.421	7.557	8.776	10.486	12.105	13.970	16.229	18.592	20.995	23.880	26.175	29.695	34.663	38.800
495	0.166	0.271	0.390	0.547	0.731	0.927	1.178	1.457	1.749	2.306	2.876	3.560	4.461	5.389	6.471	7.614	8.840	10.563	12.193	14.070	16.344	18.723	21.143	24.048	26.355	29.900	34.893	39.057
500	0.167	0.273	0.393	0.552	0.738	0.935	1.188	1.470	1.764	2.325	2.899	3.589	4.496	5.431	6.520	7.671	8.905	10.640	12.280	14.170	16.460	18.855	21.290	24.215	26.535	30.104	35.124	39.314

WEIGHT IN KG PER SET OF STUDBOLT C/W 2 HEAVY HEX NUTS

DIA L		3/8"	7/16"	1/2"	9/16"	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"	2.1/4"	2.1/2"	2.3/4"	3"	3.1/4"	3.1/2"	3.3/4"	4"
		50	2"	0.054	0.073	0.108	0.135	0.172	0.279	0.400	0.554	0.747	0.960	1.229	1.543	1.950	2.333	2.830	3.394	4.667	6.282	7.953	9.769	11.970	15.499
55	2.1/4"	0.056	0.076	0.113	0.140	0.178	0.289	0.413	0.571	0.768	0.988	1.263	1.583	1.997	2.389	2.894	3.467	4.761	6.398	8.094	9.938	12.173	15.735	18.844	23.253
60	2.3/8"	0.058	0.079	0.117	0.145	0.184	0.298	0.425	0.587	0.790	1.015	1.296	1.623	2.045	2.444	2.958	3.540	4.854	6.515	8.236	10.108	12.375	15.971	19.109	23.557
65	2.1/2"	0.061	0.082	0.121	0.150	0.191	0.307	0.438	0.604	0.812	1.042	1.329	1.663	2.092	2.500	3.022	3.613	4.948	6.631	8.377	10.277	12.578	16.207	19.374	23.862
70	2.3/4"	0.063	0.085	0.125	0.155	0.197	0.317	0.451	0.621	0.833	1.069	1.362	1.703	2.139	2.555	3.086	3.686	5.041	6.748	8.519	10.447	12.780	16.443	19.639	24.166
75	3"	0.065	0.087	0.129	0.160	0.203	0.326	0.464	0.638	0.855	1.096	1.396	1.743	2.187	2.611	3.150	3.759	5.135	6.864	8.660	10.616	12.983	16.679	19.904	24.470
80	3.1/8"	0.067	0.090	0.133	0.165	0.210	0.335	0.477	0.655	0.876	1.123	1.429	1.783	2.234	2.666	3.214	3.832	5.228	6.981	8.802	10.786	13.185	16.915	20.169	24.775
85	3.1/4"	0.069	0.093	0.137	0.170	0.216	0.345	0.489	0.671	0.898	1.151	1.462	1.823	2.282	2.722	3.278	3.905	5.322	7.097	8.943	10.955	13.388	17.151	20.434	25.079
90	3.1/2"	0.071	0.096	0.141	0.174	0.222	0.354	0.502	0.688	0.920	1.178	1.495	1.863	2.329	2.777	3.342	3.978	5.415	7.214	9.085	11.125	13.590	17.387	20.699	25.384
95	3.3/4"	0.074	0.099	0.145	0.179	0.229	0.363	0.515	0.705	0.941	1.205	1.529	1.903	2.376	2.833	3.406	4.051	5.509	7.330	9.226	11.294	13.793	17.623	20.964	25.688
10	4"	0.076	0.102	0.149	0.184	0.235	0.373	0.528	0.722	0.963	1.232	1.562	1.943	2.424	2.888	3.470	4.124	5.602	7.447	9.368	11.464	13.995	17.859	21.229	25.992
105	4.1/8"	0.078	0.105	0.153	0.189	0.242	0.382	0.541	0.739	0.985	1.259	1.595	1.983	2.471	2.944	3.534	4.197	5.696	7.563	9.509	11.633	14.198	18.095	21.494	26.297
110	4.1/4"	0.080	0.108	0.157	0.194	0.248	0.391	0.553	0.755	1.006	1.286	1.628	2.023	2.519	2.999	3.598	4.270	5.789	7.680	9.651	11.803	14.400	18.331	21.759	26.601
115	4.1/2"	0.082	0.111	0.161	0.199	0.254	0.401	0.566	0.772	1.028	1.313	1.662	2.063	2.566	3.055	3.662	4.343	5.883	7.796	9.792	11.972	14.603	18.567	22.024	26.906
120	4.3/4"	0.084	0.114	0.165	0.204	0.261	0.410	0.579	0.789	1.050	1.341	1.695	2.103	2.613	3.110	3.726	4.416	5.976	7.913	9.934	12.142	14.805	18.803	22.289	27.210
125	5"	0.086	0.117	0.169	0.209	0.267	0.420	0.592	0.806	1.071	1.368	1.728	2.143	2.661	3.166	3.790	4.489	6.070	8.029	10.075	12.311	15.008	19.039	22.554	27.514
130	5.1/8"	0.089	0.120	0.173	0.214	0.273	0.429	0.605	0.823	1.093	1.395	1.761	2.183	2.708	3.221	3.854	4.562	6.163	8.146	10.217	12.481	15.210	19.275	22.819	27.819
135	5.1/4"	0.091	0.123	0.177	0.219	0.280	0.438	0.617	0.839	1.115	1.422	1.795	2.223	2.756	3.277	3.918	4.635	6.257	8.262	10.358	12.650	15.413	19.511	23.084	28.123
140	5.1/2"	0.093	0.126	0.181	0.224	0.286	0.448	0.630	0.856	1.136	1.449	1.828	2.263	2.803	3.33	3.982	4.708	6.350	8.379	10.500	12.820	15.615	19.747	23.349	28.428
145	5.3/4"	0.095	0.128	0.185	0.229	0.292	0.457	0.643	0.873	1.158	1.476	1.861	2.304	2.850	3.388	4.046	4.781	6.444	8.495	10.641	12.989	15.818	19.983	23.614	28.732
150	6"	0.097	0.131	0.189	0.234	0.299	0.466	0.656	0.890	1.180	1.503	1.894	2.344	2.898	3.443	4.110	4.854	6.537	8.612	10.783	13.159	16.020	20.219	23.879	29.036
155	6.1/8"	0.099	0.134	0.193	0.239	0.305	0.476	0.669	0.907	1.201	1.531	1.928	2.384	2.945	3.499	4.174	4.927	6.631	8.728	10.924	13.328	16.223	20.455	24.144	29.341
160	6.1/4"	0.102	0.137	0.197	0.244	0.311	0.485	0.681	0.923	1.223	1.558	1.961	2.424	2.993	3.554	4.238	5.000	6.724	8.845	11.066	13.498	16.425	20.691	24.409	29.645
165	6.1/2"	0.104	0.140	0.201	0.249	0.318	0.494	0.694	0.940	1.245	1.585	1.994	2.464	3.040	3.610	4.302	5.073	6.818	8.961	11.207	13.667	16.628	20.927	24.674	29.950
170	6.3/4"	0.106	0.143	0.205	0.254	0.324	0.504	0.707	0.957	1.266	1.612	2.027	2.504	3.087	3.665	4.366	5.146	6.911	9.078	11.349	13.837	16.830	21.163	24.939	30.254
175	6.7/8"	0.108	0.146	0.209	0.259	0.330	0.513	0.720	0.974	1.288	1.639	2.061	2.544	3.135	3.721	4.430	5.219	7.005	9.194	11.490	14.006	17.033	21.399	25.204	30.558
180	7"	0.110	0.149	0.213	0.264	0.337	0.522	0.733	0.991	1.309	1.666	2.094	2.584	3.182	3.776	4.494	5.292	7.098	9.311	11.632	14.176	17.235	21.635	25.469	30.863
185	7.1/4"	0.112	0.152	0.217	0.269	0.343	0.532	0.745	1.007	1.331	1.694	2.127	2.624	3.230	3.832	4.558	5.365	7.192	9.427	11.773	14.345	17.438	21.871	25.734	31.167
190	7.1/2"	0.114	0.155	0.221	0.274	0.349	0.541	0.758	1.024	1.353	1.721	2.160	2.664	3.277	3.887	4.622	5.438	7.285	9.544	11.915	14.515	17.640	22.107	25.999	31.472
195	7.3/4"	0.117	0.158	0.225	0.279	0.356	0.550	0.771	1.041	1.374	1.748	2.194	2.704	3.324	3.943	4.686	5.511	7.379	9.660	12.056	14.684	17.843	22.343	26.264	31.776
200	7.7/8"	0.119	0.161	0.229	0.284	0.362	0.560	0.784	1.058	1.396	1.775	2.227	2.744	3.372	3.998	4.750	5.584	7.472	9.777	12.198	14.854	18.045	22.579	26.529	32.080
KG for 3rd Nut		0,030	0,050	0,070	0,120	0,160	0,200	0,300	0,430	0,590	0,790	1,020	1,310	1,620	2,040	2,410	2,990	4,190	5,640	7,380	9,500	11,940	15,260	18,120	21,800

WEIGHT IN KG PER SET OF STUDBOLT C/W 2 HEAVY HEX NUTS

DIA L	3/8"	7/16"	1/2"	9/16"	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"	2.1/4"	2.1/2"	2.3/4"	3"	3.1/4"	3.1/2"	3.3/4"	4"	
	205	8"	0.121	0.164	0.233	0.289	0.369	0.569	0.797	1.075	1.418	1.802	2.260	2.784	3.419	4.054	4.814	5.657	7.566	9.893	12.339	15.023	18.248	22.815	26.794
210	8.1/4"	0.123	0.167	0.237	0.294	0.375	0.578	0.809	1.091	1.439	1.829	2.293	2.824	3.467	4.109	4.878	5.730	7.659	10.010	12.481	15.193	18.450	23.051	27.059	32.689
215	8.1/2"	0.125	0.169	0.241	0.299	0.381	0.588	0.822	1.108	1.461	1.856	2.327	2.864	3.514	4.165	4.942	5.803	7.753	10.126	12.622	15.362	18.653	23.287	27.324	32.994
220	8.3/4"	0.127	0.172	0.245	0.304	0.388	0.597	0.835	1.125	1.483	1.884	2.360	2.904	3.561	4.220	5.006	5.876	7.846	10.243	12.764	15.532	18.855	23.523	27.589	33.298
225	8.7/8"	0.130	0.175	0.249	0.309	0.394	0.607	0.848	1.142	1.504	1.911	2.393	2.944	3.609	4.276	5.070	5.949	7.940	10.359	12.905	15.701	19.058	23.759	27.854	33.602
230	9"	0.132	0.178	0.253	0.314	0.400	0.616	0.861	1.159	1.526	1.938	2.426	2.984	3.656	4.331	5.134	6.022	8.033	10.476	13.047	15.871	19.260	23.995	28.119	33.907
235	9.1/4"	0.134	0.181	0.257	0.319	0.407	0.625	0.873	1.175	1.548	1.965	2.460	3.024	3.704	4.387	5.198	6.095	8.127	10.592	13.188	16.040	19.463	24.231	28.384	34.211
240	9.1/2"	0.136	0.184	0.261	0.324	0.413	0.635	0.886	1.192	1.569	1.992	2.493	3.064	3.751	4.442	5.262	6.168	8.220	10.709	13.330	16.210	19.665	24.467	28.649	34.516
245	9.5/8"	0.138	0.187	0.265	0.329	0.419	0.644	0.899	1.209	1.591	2.019	2.526	3.105	3.798	4.498	5.326	6.241	8.314	10.825	13.471	16.379	19.868	24.703	28.914	34.820
250	9.3/4"	0.140	0.190	0.269	0.334	0.426	0.653	0.912	1.226	1.613	2.046	2.559	3.145	3.846	4.553	5.390	6.314	8.407	10.942	13.613	16.549	20.070	24.939	29.179	35.124
255	10"	0.142	0.193	0.274	0.339	0.432	0.663	0.925	1.243	1.634	2.074	2.593	3.185	3.893	4.609	5.454	6.387	8.501	11.058	13.754	16.718	20.273	25.175	29.444	35.429
260	10.1/4"	0.145	0.196	0.278	0.344	0.438	0.672	0.937	1.259	1.656	2.101	2.626	3.225	3.941	4.664	5.518	6.460	8.594	11.175	13.896	16.888	20.475	25.411	29.709	35.733
265	10.1/2"	0.147	0.199	0.282	0.349	0.445	0.681	0.950	1.276	1.678	2.128	2.659	3.265	3.988	4.720	5.582	6.533	8.688	11.291	14.037	17.057	20.678	25.647	29.974	36.038
270	10.5/8"	0.149	0.202	0.286	0.354	0.451	0.691	0.963	1.293	1.699	2.155	2.692	3.305	4.035	4.775	5.646	6.606	8.781	11.408	14.179	17.227	20.880	25.883	30.239	36.342
275	10.3/4"	0.151	0.205	0.290	0.359	0.457	0.700	0.976	1.310	1.721	2.182	2.726	3.345	4.083	4.831	5.710	6.679	8.875	11.524	14.320	17.396	21.083	26.119	30.504	36.646
280	11"	0.153	0.208	0.294	0.364	0.464	0.709	0.989	1.327	1.742	2.209	2.759	3.385	4.130	4.886	5.774	6.752	8.968	11.641	14.462	17.566	21.285	26.355	30.769	36.951
285	11.1/4"	0.155	0.210	0.298	0.369	0.470	0.719	1.001	1.343	1.764	2.237	2.792	3.425	4.178	4.942	5.838	6.825	9.062	11.757	14.603	17.735	21.488	26.591	31.034	37.255
290	11.1/2"	0.158	0.213	0.302	0.374	0.476	0.728	1.014	1.360	1.786	2.264	2.825	3.465	4.225	4.997	5.902	6.898	9.155	11.874	14.745	17.905	21.690	26.827	31.299	37.560
295	11.5/8"	0.160	0.216	0.306	0.379	0.483	0.737	1.027	1.377	1.807	2.291	2.859	3.505	4.272	5.053	5.966	6.971	9.249	11.990	14.886	18.074	21.893	27.063	31.564	37.864
300	11.3/4"	0.162	0.219	0.310	0.384	0.489	0.747	1.040	1.394	1.829	2.318	2.892	3.545	4.320	5.108	6.030	7.044	9.342	12.107	15.028	18.244	22.095	27.299	31.829	38.168
305	12"	0.164	0.222	0.314	0.389	0.496	0.756	1.053	1.411	1.851	2.345	2.925	3.585	4.367	5.164	6.094	7.117	9.436	12.223	15.169	18.413	22.298	27.535	32.094	38.473
310	12.1/4"	0.166	0.225	0.318	0.394	0.502	0.765	1.065	1.427	1.872	2.372	2.958	3.625	4.415	5.219	6.158	7.190	9.529	12.340	15.311	18.583	22.500	27.771	32.359	38.777
315	12.1/2"	0.168	0.228	0.322	0.399	0.508	0.775	1.078	1.444	1.894	2.399	2.992	3.665	4.462	5.275	6.222	7.263	9.623	12.456	15.452	18.752	22.703	28.007	32.624	39.082
320	12.5/8"	0.170	0.231	0.326	0.404	0.515	0.784	1.091	1.461	1.916	2.427	3.025	3.705	4.509	5.330	6.286	7.336	9.716	12.573	15.594	18.922	22.905	28.243	32.889	39.386
325	12.3/4"	0.173	0.234	0.330	0.409	0.521	0.794	1.104	1.478	1.937	2.454	3.058	3.745	4.557	5.386	6.350	7.409	9.810	12.689	15.735	19.091	23.108	28.479	33.154	39.690
330	13"	0.175	0.237	0.334	0.414	0.527	0.803	1.117	1.495	1.959	2.481	3.091	3.785	4.604	5.441	6.414	7.482	9.903	12.806	15.877	19.261	23.310	28.715	33.419	39.995
335	13.1/4"	0.177	0.240	0.338	0.419	0.534	0.812	1.129	1.511	1.981	2.508	3.125	3.825	4.652	5.497	6.478	7.555	9.997	12.922	16.018	19.430	23.513	28.951	33.684	40.299
340	13.3/8"	0.179	0.243	0.342	0.424	0.540	0.822	1.142	1.528	2.002	2.535	3.158	3.865	4.699	5.552	6.542	7.628	10.090	13.039	16.160	19.600	23.715	29.187	33.949	40.604
345	13.1/2"	0.181	0.246	0.346	0.429	0.546	0.831	1.155	1.545	2.024	2.562	3.191	3.906	4.746	5.608	6.606	7.701	10.184	13.155	16.301	19.769	23.918	29.423	34.214	40.908
350	13.3/4"	0.183	0.249	0.350	0.434	0.553	0.840	1.168	1.562	2.046	2.589	3.224	3.946	4.794	5.663	6.670	7.774	10.277	13.272	16.443	19.939	24.120	29.659	34.479	41.212
355	14"	0.186	0.251	0.354	0.439	0.559	0.850	1.181	1.579	2.067	2.617	3.258	3.986	4.841	5.719	6.734	7.847	10.371	13.388	16.584	20.108	24.323	29.895	34.744	41.517
KG for 3rd Nut		0,030	0,050	0,070	0,120	0,160	0,200	0,300	0,430	0,590	0,790	1,020	1,310	1,620	2,040	2,410	2,990	4,190	5,640	7,380	9,500	11,940	15,260	18,120	21,800

WEIGHT IN KG PER SET OF STUDBOLT C/W 2 HEAVY HEX NUTS

DIA L	3/8"	7/16"	1/2"	9/16"	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"	2.1/4"	2.1/2"	2.3/4"	3"	3.1/4"	3.1/2"	3.3/4"	4"	
	360	14.1/4"	0.188	0.254	0.358	0.444	0.565	0.859	1.193	1.595	2.089	2.644	3.291	4.026	4.889	5.774	6.798	7.920	10.464	13.505	16.726	20.278	24.525	30.131	35.009
365	14.3/8"	0.190	0.257	0.362	0.449	0.572	0.868	1.206	1.612	2.111	2.671	3.324	4.066	4.936	5.830	6.862	7.993	10.558	13.621	16.867	20.447	24.728	30.367	35.274	42.126
370	14.1/2"	0.192	0.260	0.366	0.454	0.578	0.878	1.219	1.629	2.132	2.698	3.357	4.106	4.983	5.885	6.926	8.066	10.651	13.738	17.009	20.617	24.930	30.603	35.539	42.430
375	14.3/4"	0.194	0.263	0.370	0.459	0.584	0.887	1.232	1.646	2.154	2.725	3.391	4.146	5.031	5.941	6.990	8.139	10.745	13.854	17.150	20.786	25.133	30.839	35.804	42.734
380	15"	0.196	0.266	0.374	0.464	0.591	0.896	1.245	1.663	2.175	2.752	3.424	4.186	5.078	5.996	7.054	8.212	10.838	13.971	17.292	20.956	25.335	31.075	36.069	43.039
385	15.1/4"	0.199	0.269	0.378	0.469	0.597	0.906	1.257	1.679	2.197	2.780	3.457	4.226	5.126	6.052	7.118	8.285	10.932	14.087	17.433	21.125	25.538	31.311	36.334	43.343
390	15.3/8"	0.201	0.272	0.382	0.474	0.603	0.915	1.270	1.696	2.219	2.807	3.490	4.266	5.173	6.107	7.182	8.358	11.025	14.204	17.575	21.295	25.740	31.547	36.599	43.648
395	15.1/2"	0.203	0.275	0.386	0.479	0.610	0.924	1.283	1.713	2.240	2.834	3.524	4.306	5.220	6.163	7.246	8.431	11.119	14.320	17.716	21.464	25.943	31.783	36.864	43.952
400	15.3/4"	0.205	0.278	0.390	0.483	0.616	0.934	1.296	1.730	2.262	2.861	3.557	4.346	5.268	6.218	7.310	8.504	11.212	14.437	17.858	21.634	26.145	32.019	37.129	44.256
405	16"	0.207	0.281	0.394	0.488	0.623	0.943	1.309	1.747	2.284	2.888	3.590	4.386	5.315	6.274	7.374	8.577	11.306	14.553	17.999	21.803	26.348	32.255	37.394	44.561
410	16.1/4"	0.209	0.284	0.398	0.493	0.629	0.952	1.321	1.763	2.305	2.915	3.623	4.426	5.363	6.329	7.438	8.650	11.399	14.670	18.141	21.973	26.550	32.491	37.659	44.865
415	16.3/8"	0.211	0.287	0.402	0.498	0.635	0.962	1.334	1.780	2.327	2.942	3.657	4.466	5.410	6.385	7.502	8.723	11.493	14.786	18.282	22.142	26.753	32.727	37.924	45.170
420	16.1/2"	0.214	0.290	0.406	0.503	0.642	0.971	1.347	1.797	2.349	2.970	3.690	4.506	5.457	6.440	7.566	8.796	11.586	14.903	18.424	22.312	26.955	32.963	38.189	45.474
425	16.3/4"	0.216	0.292	0.410	0.508	0.648	0.981	1.360	1.814	2.370	2.997	3.723	4.546	5.505	6.496	7.630	8.869	11.680	15.019	18.565	22.481	27.158	33.199	38.454	45.778
430	17"	0.218	0.295	0.414	0.513	0.654	0.990	1.373	1.831	2.392	3.024	3.756	4.586	5.552	6.551	7.694	8.942	11.773	15.136	18.707	22.651	27.360	33.435	38.719	46.083
435	17.1/8"	0.220	0.298	0.418	0.518	0.661	0.999	1.385	1.847	2.414	3.051	3.790	4.626	5.600	6.607	7.758	9.015	11.867	15.252	18.848	22.820	27.563	33.671	38.984	46.387
440	17.1/4"	0.222	0.301	0.422	0.523	0.667	1.009	1.398	1.864	2.435	3.078	3.823	4.666	5.647	6.662	7.822	9.088	11.960	15.369	18.990	22.990	27.765	33.907	39.249	46.692
445	17.1/2"	0.224	0.304	0.426	0.528	0.673	1.018	1.411	1.881	2.457	3.105	3.856	4.707	5.694	6.718	7.886	9.161	12.054	15.485	19.131	23.159	27.968	34.143	39.514	46.996
450	17.3/4"	0.227	0.307	0.430	0.533	0.680	1.027	1.424	1.898	2.479	3.132	3.889	4.747	5.742	6.773	7.950	9.234	12.147	15.602	19.273	23.329	28.170	34.379	39.779	47.300
455	18"	0.229	0.310	0.435	0.538	0.686	1.037	1.437	1.915	2.500	3.160	3.923	4.787	5.789	6.829	8.014	9.307	12.241	15.718	19.414	23.498	28.373	34.615	40.044	47.605
460	18.1/8"	0.231	0.313	0.439	0.543	0.692	1.046	1.449	1.931	2.522	3.187	3.956	4.827	5.837	6.884	8.078	9.380	12.334	15.835	19.556	23.668	28.575	34.851	40.309	47.909
465	18.1/4"	0.233	0.316	0.443	0.548	0.699	1.055	1.462	1.948	2.544	3.214	3.989	4.867	5.884	6.940	8.142	9.453	12.428	15.951	19.697	23.837	28.778	35.087	40.574	48.214
470	18.1/2"	0.235	0.319	0.447	0.553	0.705	1.065	1.475	1.965	2.565	3.241	4.022	4.907	5.931	6.995	8.206	9.526	12.521	16.068	19.839	24.007	28.980	35.323	40.839	48.518
475	18.3/4"	0.237	0.322	0.451	0.558	0.711	1.074	1.488	1.982	2.587	3.268	4.056	4.947	5.979	7.051	8.270	9.599	12.615	16.184	19.980	24.176	29.183	35.559	41.104	48.822
480	18.7/8"	0.239	0.325	0.455	0.563	0.718	1.083	1.501	1.999	2.608	3.295	4.089	4.987	6.026	7.106	8.334	9.672	12.708	16.301	20.122	24.346	29.385	35.795	41.369	49.127
485	19"	0.242	0.328	0.459	0.568	0.724	1.093	1.513	2.015	2.630	3.323	4.122	5.027	6.074	7.162	8.398	9.745	12.802	16.417	20.263	24.515	29.588	36.031	41.634	49.431
490	19.1/4"	0.244	0.331	0.463	0.573	0.730	1.102	1.526	2.032	2.652	3.350	4.155	5.067	6.121	7.217	8.462	9.818	12.895	16.534	20.405	24.685	29.790	36.267	41.899	49.736
495	19.1/2"	0.246	0.333	0.467	0.578	0.737	1.111	1.539	2.049	2.673	3.377	4.189	5.107	6.168	7.273	8.526	9.891	12.989	16.650	20.546	24.854	29.993	36.503	42.164	50.040
500	19.3/4"	0.248	0.336	0.471	0.583	0.743	1.121	1.552	2.066	2.695	3.404	4.222	5.147	6.216	7.328	8.590	9.964	13.082	16.767	20.688	25.024	30.195	36.739	42.429	50.344
KG for 3rd Nut		0,030	0,050	0,070	0,120	0,160	0,200	0,300	0,430	0,590	0,790	1,020	1,310	1,620	2,040	2,410	2,990	4,190	5,640	7,380	9,500	11,940	15,260	18,120	21,800