

Weight Chart for Hexagon Bolts & Nuts

DIN 931 & DIN 934

Approximate weights in kilograms (Kg's) each

Bolt Length	Nominal Diameter																			
	mm	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52	M56	M60	M64
60	0.067	0.094	0.123	0.164	0.209	0.254	0.315													
65	0.071	0.099	0.131	0.173	0.221	0.269	0.332	0.448												
70	0.075	0.105	0.138	0.183	0.233	0.283	0.349	0.470	0.608											
75	0.079	0.111	0.146	0.192	0.244	0.298	0.367	0.492	0.635	0.796										
80	0.084	0.117	0.153	0.202	0.256	0.312	0.384	0.514	0.662	0.829	1.025									
85	0.088	0.123	0.161	0.212	0.268	0.327	0.401	0.536	0.689	0.862	1.064									
90	0.093	0.127	0.169	0.221	0.280	0.341	0.418	0.558	0.716	0.894	1.104	1.353								
95	0.097	0.133	0.176	0.231	0.292	0.356	0.436	0.580	0.744	0.927	1.143	1.400	1.648							
100	0.101	0.139	0.184	0.241	0.304	0.370	0.453	0.602	0.771	0.960	1.182	1.446	1.701	2.030						
110	0.109	0.151	0.199	0.260	0.328	0.399	0.487	0.646	0.825	1.026	1.261	1.538	1.808	2.153	2.519					
120	0.118	0.164	0.214	0.279	0.352	0.428	0.522	0.690	0.879	1.092	1.339	1.630	1.915	2.276	2.659	3.212				
130	0.127	0.174	0.228	0.297	0.374	0.455	0.554	0.730	0.929	1.153	1.412	1.716	2.015	2.391	2.789	3.366				
140	0.136	0.185	0.243	0.316	0.398	0.484	0.588	0.774	0.984	1.219	1.490	1.808	2.122	2.514	2.929	3.531	4.127			
150	0.144	0.196	0.258	0.335	0.422	0.513	0.623	0.818	1.038	1.285	1.569	1.900	2.229	2.637	3.069	3.695	4.318	5.280		
160	0.154	0.206	0.273	0.354	0.445	0.542	0.657	0.862	1.092	1.351	1.647	1.992	2.336	2.760	3.209	3.860	4.509	5.500	6.656	
170	0.163	0.219	0.289	0.374	0.469	0.571	0.692	0.906	1.146	1.416	1.725	2.085	2.443	2.883	3.349	4.024	4.700	5.720	6.916	
180	0.172	0.231	0.304	0.393	0.493	0.600	0.727	0.950	1.201	1.482	1.804	2.177	2.550	3.006	3.490	4.189	4.892	5.940	7.176	
190	0.181	0.243	0.319	0.412	0.517	0.629	0.761	0.993	1.255	1.548	1.882	2.269	2.657	3.129	3.630	4.354	5.083	6.160	7.436	
200	0.190	0.253	0.334	0.431	0.541	0.658	0.796	1.037	1.309	1.614	1.961	2.361	2.764	3.252	3.770	4.518	5.274	6.380	7.696	
210	0.199	0.264	0.347	0.447	0.561	0.682	0.824	1.074	1.355	1.670	2.027	2.440	2.854	3.357	3.888	4.659	5.437	6.600	7.956	
220	0.208	0.275	0.362	0.466	0.585	0.711	0.859	1.118	1.409	1.736	2.105	2.532	2.961	3.480	4.028	4.824	5.628	6.820	8.216	
230	0.217	0.286	0.377	0.486	0.608	0.740	0.893	1.162	1.463	1.801	2.184	2.624	3.068	3.603	4.168	4.989	5.819	7.040	8.476	
240	0.226	0.297	0.392	0.505	0.632	0.769	0.928	1.206	1.517	1.867	2.262	2.716	3.175	3.726	4.309	5.153	6.010	7.260	8.736	
250	0.235	0.308	0.407	0.524	0.656	0.798	0.962	1.250	1.572	1.933	2.340	2.809	3.282	3.849	4.449	5.318	6.201	7.480	8.996	
260	0.244	0.319	0.422	0.543	0.680	0.827	0.997	1.294	1.626	1.999	2.419	2.901	3.390	3.972	4.589	5.482	6.393	7.700	9.256	
270	0.253	0.330	0.438	0.563	0.704	0.856	1.031	1.338	1.680	2.065	2.497	2.993	3.497	4.095	4.729	5.647	6.584	7.920	9.516	
280	0.262	0.341	0.453	0.582	0.728	0.885	1.066	1.381	1.735	2.130	2.576	3.085	3.604	4.218	4.869	5.812	6.775	8.140	9.776	
290	0.271	0.352	0.468	0.601	0.752	0.914	1.101	1.425	1.789	2.196	2.654	3.177	3.711	4.341	5.009	5.976	6.966	8.360	10.036	
300	0.280	0.363	0.483	0.620	0.775	0.943	1.135	1.469	1.843	2.262	2.733	3.270	3.818	4.464	5.149	6.141	7.157	8.580	10.296	
310	0.289	0.374	0.498	0.640	0.799	0.972	1.170	1.513	1.897	2.328	2.811	3.362	3.925	4.587	5.289	6.305	7.348	8.800	10.556	
320	0.298	0.385	0.513	0.659	0.823	1.001	1.204	1.557	1.952	2.394	2.890	3.454	4.032	4.710	5.429	6.470	7.539	9.020	10.816	
330	0.307	0.396	0.528	0.678	0.847	1.030	1.239	1.601	2.006	2.459	2.968	3.546	4.139	4.833	5.569	6.635	7.731	9.240	11.076	
340	0.316	0.407	0.544	0.697	0.871	1.059	1.273	1.645	2.060	2.525	3.046	3.638	4.246	4.956	5.710	6.799	7.922	9.460	11.336	
350	0.325	0.418	0.559	0.717	0.895	1.088	1.308	1.688	2.114	2.591	3.125	3.731	4.353	5.079	5.850	6.964	8.113	9.680	11.596	
360	0.334	0.429	0.574	0.736	0.919	1.117	1.342	1.732	2.169	2.657	3.203	3.823	4.460	5.202	5.990	7.128	8.304	9.900	11.856	
370	0.343	0.440	0.589	0.755	0.942	1.146	1.377	1.776	2.223	2.723	3.282	3.915	4.567	5.325	6.130	7.293	8.495	10.120	12.116	
380	0.352	0.451	0.604	0.774	0.966	1.174	1.411	1.820	2.277	2.788	3.360	4.007	4.674	5.448	6.270	7.458	8.686	10.340	12.376	
390	0.361	0.462	0.619	0.794	0.990	1.203	1.446	1.864	2.332	2.854	3.439	4.099	4.781	5.571	6.410	7.622	8.878	10.560	12.636	
400	0.370	0.473	0.634	0.813	1.014	1.232	1.481	1.908	2.386	2.920	3.517	4.192	4.888	5.694	6.550	7.787	9.069	10.780	12.896	
410	0.379	0.484	0.650	0.832	1.038	1.261	1.515	1.951	2.440	2.986	3.596	4.284	4.995	5.817	6.690	7.951	9.260	11.000	13.156	
420	0.388	0.495	0.665	0.851	1.062	1.290	1.550	1.995	2.494	3.052	3.674	4.376	5.102	5.940	6.830	8.116	9.451	11.220	13.416	
430	0.397	0.506	0.680	0.871	1.086	1.319	1.584	2.039	2.549	3.117	3.752	4.468	5.209	6.063	6.970	8.281	9.642	11.440	13.676	
440	0.406	0.517	0.695	0.890	1.109	1.348	1.619	2.083	2.603	3.183	3.831	4.560	5.317	6.186	7.111	8.445	9.833	11.660	13.936	
450	0.415	0.528	0.710	0.909	1.133	1.377	1.653	2.127	2.657	3.249	3.909	4.653	5.424	6.309	7.251	8.610	10.024	11.880	14.196	
500	0.460	0.583	0.786	1.005	1.253	1.522	1.826	2.346	2.929	3.578	4.302	5.113	5.959	6.924	7.951	9.433	10.980	12.980	15.496	
550	0.505	0.638	0.861	1.102	1.372	1.667	1.999	2.565	3.200	3.907	4.694	5.574	6.494	7.540	8.652	10.256	11.936	14.080	16.796	
600	0.550	0.693	0.937	1.198	1.491	1.811	2.171	2.785	3.471	4.236	5.086	6.035	7.029	8.155	9.352	11.079	12.892	15.180	18.096	
650	0.595	0.748	1.013	1.294	1.610	1.956	2.344	3.004	3.743	4.565	5.478	6.496	7.565	8.770	10.053	11.902	13.847	16.280	19.396	
700	0.640	0.803	1.089	1.390	1.730	2.101	2.517	3.223	4.014	4.894	5.870	6.957	8.100	9.385	10.753	12.725	14.803	17.380	20.696	
750	0.685	0.858	1.164	1.487	1.849	2.246	2.690	3.443	4.285	5.223	6.263	7.418	8.635	10.000	11.454	13.548	15.759	18.480	21.996	
800	0.730	0.913	1.240	1.583	1.968	2.390	2.862	3.662	4.557	5.552	6.655	7.879	9.170	10.615	12.154	14.371	16.715	19.580	23.296	
Nuts	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52	M56	M60	M64	
	0.017	0.022	0.030	0.050	0.056	0.076	0.100	0.150	0.210	0.270	0.360	0.460	0.590	0.720	0.890	0.971	1.310	1.600	1.820	