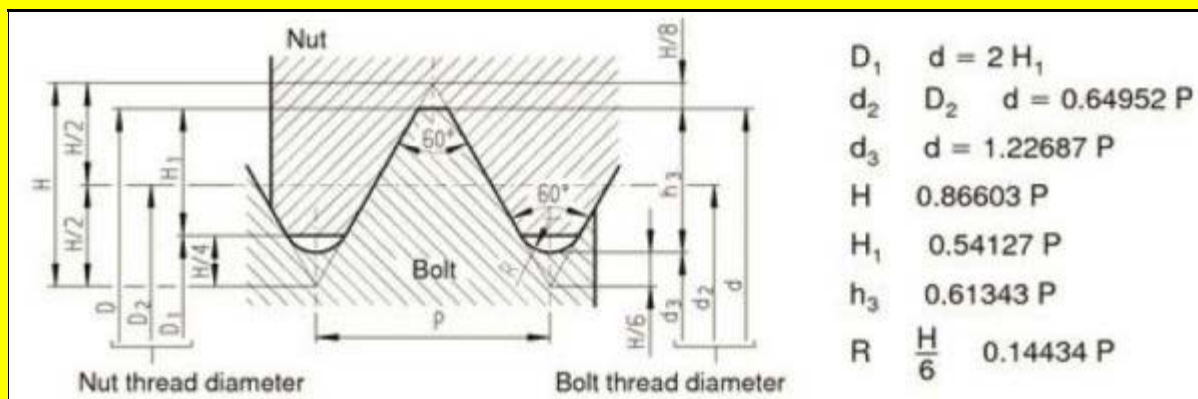


MARYLAND METRICS THREAD DATA CHARTS

METRIC THREAD -- EXTENDED THREAD SIZE RANGE (ISO)



Thread Height Male Thread = h_3 Thread Height Female Thread = H_1

Sorted by thread class

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ISO Metric profile		External (bolt thread)									Internal (nut thread)						Basic mm	
Size mm	Thread Designation	Simple Thread Designation	Pitch mm	Class	Major Dia d=D		Pitch Dia d2=D2		Minor Dia d3		Class	Minor Dia D1		Pitch Dia d2=D2		Major Dia d=D		Tap Drill
					max.	min.	max.	min.	max.	min.		min.	max.	min.	max.	min.	max.	
0.25	M0.25x0.075	M0.25x0.075	0.075	6g	0.25	0.235	0.201	0.187	0.16	0.14	6H	0.172	0.208	0.201	0.215	0.255	0.276	0.175
0.3	M0.3x0.08	M0.3x0.08	0.08	6g	0.3	0.284	0.248	0.234	0.204	0.183	6H	0.217	0.254	0.248	0.262	0.306	0.327	0.22
0.3	M0.3x0.09	M0.3x0.09	0.09	6g	0.3	0.283	0.242	0.226	0.192	0.17	6H	0.206	0.247	0.242	0.257	0.306	0.33	0.21
0.35	M0.35x0.09	M0.35x0.09	0.09	6g	0.35	0.333	0.292	0.277	0.242	0.22	6H	0.256	0.297	0.292	0.307	0.356	0.38	0.26
0.4	M0.4x0.1	M0.4x0.1	0.1	6g	0.4	0.382	0.335	0.319	0.28	0.256	6H	0.296	0.34	0.335	0.351	0.407	0.432	0.3
0.45	M0.45x0.1	M0.45x0.1	0.1	6g	0.45	0.432	0.385	0.369	0.33	0.306	6H	0.346	0.39	0.385	0.401	0.457	0.482	0.35
0.5	M0.5x0.125	M0.5x0.125	0.125	6g	0.5	0.479	0.419	0.401	0.35	0.322	6H	0.37	0.422	0.419	0.437	0.509	0.538	0.375
0.55	M0.55x0.125	M0.55x0.125	0.125	6g	0.55	0.529	0.469	0.451	0.4	0.372	6H	0.42	0.472	0.469	0.487	0.559	0.588	0.425
0.6	M0.6x0.15	M0.6x0.15	0.15	6g	0.6	0.576	0.503	0.483	0.42	0.388	6H	0.444	0.504	0.503	0.523	0.611	0.644	0.45
0.7	M0.7x0.175	M0.7x0.175	0.175	6g	0.7	0.673	0.586	0.564	0.49	0.454	6H	0.518	0.586	0.586	0.608	0.713	0.75	0.525
0.8	M0.8x0.2	M0.8x0.2	0.2	6g	0.8	0.77	0.67	0.646	0.56	0.52	6H	0.592	0.668	0.67	0.694	0.814	0.856	0.6
0.9	M0.9x0.225	M0.9x0.225	0.225	6g	0.9	0.867	0.754	0.728	0.63	0.586	6H	0.666	0.75	0.754	0.78	0.916	0.962	0.675
1	M1x0.25	M1	0.25	6g	0.982	0.915	0.82	0.767	0.711	0.613	6H	0.729	0.809	0.838	0.909	1	1.107	0.75
1	M1x0.2	M1x0.2	0.2	6g	0.983	0.927	0.853	0.805	0.766	0.682	6H	0.783	0.858	0.87	0.933	1	1.092	0.8
1.1	M1.1x0.25	M1.1x0.25	0.25	6g	1.082	1.015	0.92	0.867	0.811	0.713	6H	0.829	0.909	0.938	1.009	1.1	1.207	0.85
1.1	M1.1x0.2	M1.1x0.2	0.2	6g	1.083	1.027	0.953	0.905	0.866	0.782	6H	0.883	0.958	0.97	1.033	1.1	1.192	0.9
1.2	M1.2x0.25	M1.2	0.25	6g	1.182	1.115	1.02	0.967	0.911	0.813	6H	0.929	1.009	1.038	1.109	1.2	1.307	0.95
1.2	M1.2x0.2	M1.2x0.2	0.2	6g	1.183	1.127	1.053	1.005	0.966	0.882	6H	0.983	1.058	1.07	1.133	1.2	1.292	1
1.4	M1.4x0.3	M1.4	0.3	6g	1.383	1.308	1.253	1.193	1.166	1.07	6H	1.075	1.258	1.27	1.35	1.4	1.509	1.1
1.4	M1.4x0.2	M1.4x0.2	0.2	6g	1.383	1.327	1.253	1.205	1.166	1.082	6H	1.183	1.258	1.27	1.333	1.4	1.492	1.2
1.6	M1.6x0.35	M1.6	0.35	6g	1.581	1.496	1.354	1.291	1.202	1.075	6H	1.221	1.321	1.373	1.458	1.6	1.736	1.25
1.6	M1.6x0.3	M1.6x0.3	0.3	6g	1.582	1.507	1.387	1.342	1.257	1.157	6H	1.275	1.36	1.405	1.465	1.6	1.703	1.3
1.6	M1.6x0.2	M1.6x0.2	0.2	6g	1.583	1.527	1.453	1.403	1.366	1.28	6H	1.383	1.458	1.47	1.537	1.6	1.696	1.4
1.7	M1.7x0.35	M1.7x0.35	0.35	6g	1.681	1.596	1.454	1.391	1.302	1.175	6H	1.321	1.421	1.473	1.558	1.7	1.836	1.35
1.8	M1.8x0.35	M1.8	0.35	6g	1.781	1.696	1.554	1.491	1.402	1.275	6H	1.421	1.521	1.573	1.658	1.8	1.936	1.45

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

1.8	M1.8x0.2	M1.8x0.2	0.2	6g	1.783	1.727	1.653	1.603	1.566	1.48	6H	1.583	1.658	1.67	1.737	1.8	1.896	1.6
2	M2x0.4	M2	0.4	6g	1.981	1.886	1.721	1.654	1.548	1.408	6H	1.567	1.679	1.74	1.83	2	2.148	1.6
2	M2x0.25	M2x0.25	0.25	6g	1.982	1.915	1.82	1.764	1.711	1.61	6H	1.729	1.809	1.838	1.913	2	2.111	1.75
2.2	M2.2x0.45	M2.2	0.45	6g	2.18	2.08	1.888	1.817	1.693	1.54	6H	1.713	1.838	1.908	2.003	2.2	2.36	1.75
2.2	M2.2x0.25	M2.2x0.25	0.25	6g	2.182	2.115	2.02	1.964	1.911	1.81	6H	1.929	2.009	2.038	2.113	2.2	2.311	1.95
2.3	M2.3x0.45	M2.3x0.45	0.45	6g	2.28	2.18	1.988	1.917	1.793	1.64	6H	1.813	1.938	2.008	2.103	2.3	2.46	1.85
2.3	M2.3x0.4	M2.3x0.4	0.4	6g	2.281	2.186	2.021	1.954	1.848	1.708	6H	1.867	1.979	2.04	2.13	2.3	2.448	1.9
2.5	M2.5x0.45	M2.5	0.45	6g	2.48	2.38	2.188	2.117	1.993	1.84	6H	2.013	2.138	2.208	2.303	2.5	2.66	2.05
2.5	M2.5x0.35	M2.5x0.35	0.35	6g	2.481	2.396	2.254	2.191	2.102	1.975	6H	2.121	2.221	2.273	2.358	2.5	2.636	2.15
2.6	M2.6x0.45	M2.6x0.45	0.45	6g	2.58	2.48	2.288	2.217	2.093	1.94	6H	2.113	2.238	2.308	2.393	2.6	2.75	2.15
3	M3x0.5	M3	0.5	6g	2.98	2.874	2.655	2.58	2.439	2.272	6H	2.459	2.599	2.675	2.775	3	3.172	2.5
3	M3x0.35	M3x0.35	0.35	6g	2.981	2.896	2.754	2.687	2.602	2.471	6H	2.621	2.721	2.773	2.863	3	3.141	2.65
3.5	M3.5x0.6	M3.5	0.6	6g	3.479	3.354	3.089	3.004	2.829	2.635	6H	2.85	3.01	3.11	3.222	3.5	3.699	2.9
3.5	M3.5x0.35	M3.5x0.35	0.35	6g	3.481	3.396	3.254	3.187	3.102	2.971	6H	3.121	3.221	3.273	3.363	3.5	3.641	3.15
4	M4x0.7	M4	0.7	6g	3.978	3.838	3.523	3.433	3.22	3.002	6H	3.242	3.422	3.545	3.663	4	4.219	3.3
4	M4x0.5	M4x0.5	0.5	6g	3.98	3.874	3.655	3.58	3.439	3.272	6H	3.459	3.599	3.675	3.775	4	4.172	3.5
4.5	M4.5x0.75	M4.5x0.75	0.75	6g	4.478	4.338	3.991	3.901	3.666	3.439	6H	3.688	3.878	4.013	4.131	4.5	4.726	3.75
4.5	M4.5x0.5	M4.5x0.5	0.5	6g	4.48	4.374	4.155	4.08	3.939	3.772	6H	3.959	4.099	4.175	4.275	4.5	4.672	4
5	M5x0.8	M5	0.8	6g	4.976	4.826	4.456	4.361	4.11	3.869	6H	4.134	4.334	4.48	4.605	5	5.24	4.2
5	M5x0.5	M5x0.5	0.5	6g	4.98	4.874	4.655	4.58	4.439	4.272	6H	4.459	4.599	4.675	4.775	5	5.172	4.5
5.5	M5.5x0.5	M5.5x0.5	0.5	6g	5.48	5.374	5.155	5.065	4.939	4.757	6H	4.959	5.099	5.175	5.295	5.5	5.692	5
6	M6x1	M6	1	6g	5.974	5.794	5.324	5.212	4.891	4.596	6H	4.917	5.153	5.35	5.5	6	6.294	5
6	M6x0.8	M6x0.8	0.8	6g	5.976	5.826	5.456	5.376	5.11	4.884	6H	5.134	5.334	5.48	5.586	6	6.221	5.2
6	M6x0.75	M6x0.75	0.75	6g	5.978	5.838	5.491	5.391	5.166	4.929	6H	5.188	5.378	5.513	5.645	6	6.24	5.25
6	M6x0.7	M6x0.7	0.7	6g	5.978	5.838	5.523	5.428	5.22	4.997	6H	5.242	5.422	5.545	5.671	6	6.226	5.3
6	M6x0.5	M6x0.5	0.5	6g	5.98	5.874	5.655	5.57	5.439	5.262	6H	5.459	5.599	5.675	5.787	6	6.184	5.5
7	M7x1	M7	1	6g	6.974	6.794	6.324	6.212	5.891	5.596	6H	5.917	6.153	6.35	6.5	7	7.294	6
7	M7x0.75	M7x0.75	0.75	6g	6.978	6.838	6.491	6.391	6.166	5.929	6H	6.188	6.378	6.513	6.645	7	7.24	6.25
7	M7x0.5	M7x0.5	0.5	6g	6.98	6.874	6.655	6.57	6.439	6.262	6H	6.459	6.599	6.675	6.787	7	7.184	6.5
8	M8x1.25	M8	1.25	6g	7.972	7.76	7.16	7.042	6.619	6.272	6H	6.647	6.912	7.188	7.348	8	8.34	6.75
8	M8x1	M8x1	1	6g	7.974	7.794	7.324	7.212	6.891	6.596	6H	6.917	7.153	7.35	7.5	8	8.294	7
8	M8x0.8	M8x0.8	0.8	6g	7.976	7.826	7.456	7.35	7.11	6.858	6H	7.134	7.334	7.48	7.62	8	8.255	7.2
8	M8x0.75	M8x0.75	0.75	6g	7.978	7.838	7.491	7.391	7.166	6.929	6H	7.188	7.378	7.513	7.645	8	8.24	7.25
8	M8x0.5	M8x0.5	0.5	6g	7.98	7.874	7.655	7.57	7.439	7.262	6H	7.459	7.599	7.675	7.787	8	8.184	7.5
9	M9x1.25	M9x1.25	1.25	6g	8.972	8.76	8.16	8.042	7.619	7.272	6H	7.647	7.912	8.188	8.348	9	9.34	7.75
9	M9x1	M9x1	1	6g	8.974	8.794	8.324	8.212	7.891	7.596	6H	7.917	8.153	8.35	8.498	9	9.292	8
9	M9x0.75	M9x0.75	0.75	6g	8.978	8.838	8.491	8.391	8.166	7.929	6H	8.188	8.378	8.513	8.645	9	9.24	8.25
9	M9x0.5	M9x0.5	0.5	6g	8.98	8.874	8.655	8.57	8.439	8.262	6H	8.459	8.599	8.675	8.787	9	9.184	8.5
10	M10x1.5	M10	1.5	6g	9.968	9.732	8.994	8.862	8.344	7.938	6H	8.376	8.676	9.026	9.206	10	10.396	8.5
10	M10x1.25	M10x1.25	1.25	6g	9.972	9.76	9.16	9.042	8.619	8.272	6H	8.647	8.912	9.188	9.348	10	10.34	8.75
10	M10x1.12	M10x1.12	1.12	6g	9.973	9.783	9.246	9.128	8.761	8.438	6H	8.788	9.038	9.273	9.433	10	10.322	8.88
10	M10x1	M10x1	1	6g	9.974	9.794	9.324	9.212	8.891	8.596	6H	8.917	9.153	9.35	9.5	10	10.294	9
10	M10x0.75	M10x0.75	0.75	6g	9.978	9.838	9.491	9.391	9.166	8.929	6H	9.188	9.378	9.513	9.645	10	10.24	9.25
10	M10x0.5	M10x0.5	0.5	6g	9.98	9.874	9.655	9.57	9.439	9.262	6H	9.459	9.599	9.675	9.787	10	10.184	9.5
11	M11x1.5	M11x1.5	1.5	6g	10.97	10.73	9.994	9.862	9.344	8.938	6H	9.376	9.676	10.026	10.196	11	11.387	9.5
11	M11x1	M11x1	1	6g	10.97	10.79	10.32	10.21	9.891	9.596	6H	9.917	10.153	10.35	10.5	11	11.294	10
11	M11x0.75	M11x0.75	0.75	6g	10.98	10.84	10.49	10.39	10.166	9.929	6H	10.188	10.378	10.513	10.645	11	11.24	10.25
11	M11x0.5	M11x0.5	0.5	6g	10.98	10.87	10.66	10.57	10.439	10.262	6H	10.459	10.599	10.675	10.787	11	11.184	10.5
12	M12x1.75	M12	1.75	6g	11.97	11.7	10.83	10.68	10.072	9.601	6H	10.106	10.441	10.863	11.063	12	12.453	10.25
12	M12x1.5	M12x1.5	1.5	6g	11.97	11.73	10.99	10.85	10.344	9.93	6H	10.376	10.676	11.026	11.216	12	12.406	10.5
12	M12x1.25	M12x1.25	1.25	6g	11.97	11.76	11.16	11.03	10.619	10.258	6H	10.647	10.912	11.188	11.368	12	12.36	10.75
12	M12x1	M12x1	1	6g	11.97	11.79	11.32	11.21	10.891	10.59	6H	10.917	11.153	11.35	11.51	12	12.304	11
12	M12x0.75	M12x0.75	0.75	6g	11.98	11.84	11.49	11.39	11.166	10.923	6H	11.188	11.378	11.513	11.653	12	12.248	11.25
12	M12x0.5	M12x0.5	0.5	6g	11.98	11.87	11.66	11.57	11.439	11.257	6H	11.459	11.599	11.675	11.795	12	12.192	11.5

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

14	M14x2	M14	2	6g	13.96	13.68	12.66	12.5	11.797	11.271	6H	11.835	12.21	12.701	12.913	14	14.501	12
14	M14x1.5	M14x1.5	1.5	6g	13.97	13.73	12.99	12.85	12.344	11.93	6H	12.376	12.676	13.026	13.216	14	14.406	12.5
14	M14x1.25	M14x1.25	1.25	6g	13.97	13.76	13.16	13.03	12.619	12.258	6H	12.647	12.912	13.188	13.358	14	14.35	12.75
14	M14x1	M14x1	1	6g	13.97	13.79	13.32	13.21	12.891	12.59	6H	12.917	13.153	13.35	13.51	14	14.304	13
14	M14x0.75	M14x0.75	0.75	6g	13.98	13.84	13.49	13.39	13.166	12.923	6H	13.188	13.378	13.513	13.653	14	14.248	13.25
14	M14x0.5	M14x0.5	0.5	6g	13.98	13.87	13.66	13.57	13.439	13.257	6H	13.459	13.599	13.675	13.795	14	14.192	13.5
15	M15x1.5	M15x1.5	1.5	6g	14.97	14.73	13.99	13.85	13.344	12.93	6H	13.376	13.676	14.026	14.216	15	15.407	13.5
15	M15x1	M15x1	1	6g	14.97	14.79	14.32	14.21	13.891	13.59	6H	13.917	14.153	14.35	14.51	15	15.304	14
16	M16x2	M16	2	6g	15.96	15.68	14.66	14.5	13.797	13.271	6H	13.835	14.21	14.701	14.913	16	16.501	14
16	M16x1.6	M16x1.6	1.6	6g	15.97	15.76	14.93	14.82	14.236	13.838	6H	14.268	14.568	14.961	15.101	16	16.371	14.4
16	M16x1.5	M16x1.5	1.5	6g	15.97	15.73	14.99	14.85	14.344	13.93	6H	14.376	14.676	15.026	15.216	16	16.406	14.5
16	M16x1.25	M16x1.25	1.25	6g	15.97	15.76	15.16	15.03	14.619	14.258	6H	14.647	14.912	15.188	15.358	16	16.35	14.75
16	M16x1	M16x1	1	6g	15.97	15.79	15.32	15.21	14.891	14.59	6H	14.917	15.153	15.35	15.51	16	16.304	15
16	M16x0.75	M16x0.75	0.75	6g	15.98	15.84	15.49	15.39	15.166	14.923	6H	15.188	15.378	15.513	15.653	16	16.248	15.25
16	M16x0.5	M16x0.5	0.5	6g	15.98	15.87	15.66	15.57	15.439	15.257	6H	15.459	15.599	15.675	15.795	16	16.192	15.5
17	M17x1.5	M17x1.5	1.5	6g	16.97	16.73	15.99	15.85	15.344	14.93	6H	15.376	15.676	16.026	16.216	17	17.407	15.5
17	M17x1	M17x1	1	6g	16.97	16.79	16.32	16.21	15.891	15.59	6H	15.917	16.153	16.35	16.51	17	17.304	16
18	M18x2.5	M18	2.5	6g	17.96	17.62	16.33	16.16	15.252	14.624	6H	15.294	15.744	16.376	16.601	18	18.585	15.5
18	M18x2	M18x2	2	6g	17.96	17.68	16.66	16.5	15.797	15.271	6H	15.835	16.21	16.701	16.913	18	18.501	16
18	M18x1.5	M18x1.5	1.5	6g	17.97	17.73	16.99	16.85	16.344	15.93	6H	16.376	16.676	17.026	17.216	18	18.406	16.5
18	M18x1.25	M18x1.25	1.25	6g	17.97	17.76	17.16	17.03	16.619	16.258	6H	16.647	16.912	17.188	17.358	18	18.35	16.75
18	M18x1	M18x1	1	6g	17.97	17.79	17.32	17.21	16.891	16.59	6H	16.917	17.153	17.35	17.51	18	18.304	17
18	M18x0.75	M18x0.75	0.75	6g	17.98	17.84	17.49	17.39	17.166	16.923	6H	17.188	17.378	17.513	17.653	18	18.248	17.25
18	M18x0.5	M18x0.5	0.5	6g	17.98	17.87	17.66	17.57	17.439	17.257	6H	17.459	17.599	17.675	17.795	18	18.192	17.5
20	M20x2.5	M20	2.5	6g	19.96	19.62	18.33	18.16	17.252	16.624	6H	17.294	17.744	18.376	18.6	20	20.585	17.5
20	M20x2	M20x2	2	6g	19.96	19.68	18.66	18.5	17.797	17.271	6H	17.835	18.21	18.701	18.913	20	20.501	18
20	M20x1.5	M20x1.5	1.5	6g	19.97	19.73	18.99	18.85	18.344	17.93	6H	18.376	18.676	19.026	19.216	20	20.406	18.5
20	M20x1	M20x1	1	6g	19.97	19.79	19.32	19.21	18.891	18.59	6H	18.917	19.153	19.35	19.51	20	20.304	19
20	M20x0.75	M20x0.75	0.75	6g	19.98	19.84	19.49	19.39	19.166	18.923	6H	19.188	19.378	19.513	19.653	20	20.248	19.25
20	M20x0.5	M20x0.5	0.5	6g	19.98	19.87	19.66	19.57	19.439	19.257	6H	19.459	19.599	19.675	19.795	20	20.192	19.5
22	M22x3	M22x3	3	6g	21.95	21.58	20	19.82	18.704	17.97	6H	18.752	19.252	20.051	20.296	22	22.677	19
22	M22x2.5	M22	2.5	6g	21.96	21.62	20.33	20.16	19.252	18.624	6H	19.294	19.744	20.376	20.6	22	22.585	19.5
22	M22x2	M22x2	2	6g	21.96	21.68	20.66	20.5	19.797	19.271	6H	19.835	20.21	20.701	20.913	22	22.501	20
22	M22x1.5	M22x1.5	1.5	6g	21.97	21.73	20.99	20.85	20.344	19.93	6H	20.376	20.676	21.026	21.216	22	22.406	20.5
22	M22x1	M22x1	1	6g	21.97	21.79	21.32	21.21	20.891	20.59	6H	20.917	21.153	21.35	21.51	22	22.304	21
22	M22x0.75	M22x0.75	0.75	6g	21.98	21.84	21.49	21.39	21.166	20.923	6H	21.188	21.378	21.513	21.653	22	22.248	21.25
22	M22x0.5	M22x0.5	0.5	6g	21.98	21.87	21.66	21.57	21.439	21.257	6H	21.459	21.599	21.675	21.795	22	22.192	21.5
24	M24x3	M24	3	6g	23.95	23.58	22	21.8	20.704	19.955	6H	20.752	21.252	22.051	22.316	24	24.698	21
24	M24x2.5	M24x2.5	2.5	6g	23.96	23.62	22.33	22.14	21.252	20.604	6H	21.294	21.744	22.376	22.626	24	24.611	21.5
24	M24x2	M24x2	2	6g	23.96	23.68	22.66	22.49	21.797	21.261	6H	21.835	22.21	22.701	22.925	24	24.513	22
24	M24x1.5	M24x1.5	1.5	6g	23.97	23.73	22.99	22.84	22.344	21.92	6H	22.376	22.676	23.026	23.226	24	24.417	22.5
24	M24x1	M24x1	1	6g	23.97	23.79	23.32	23.2	22.891	22.583	6H	22.917	23.153	23.35	23.52	24	24.314	23
24	M24x0.75	M24x0.75	0.75	6g	23.98	23.84	23.49	23.38	23.166	22.917	6H	23.188	23.378	23.513	23.663	24	24.258	23.25
25	M25x2	M25x2	2	6g	24.96	24.68	23.66	23.49	22.797	22.261	6H	22.835	23.21	23.701	23.925	25	25.513	23
25	M25x1.5	M25x1.5	1.5	6g	24.97	24.73	23.99	23.84	23.344	22.92	6H	23.376	23.676	24.026	24.226	25	25.416	23.5
25	M25x1	M25x1	1	6g	24.97	24.79	24.32	24.2	23.891	23.583	6H	23.917	24.153	24.35	24.52	25	25.314	24
26	M26x1.5	M26x1.5	1.5	6g	25.97	25.73	24.99	24.84	24.344	23.92	6H	24.376	24.676	25.026	25.226	26	26.417	24.5
27	M27x3	M27	3	6g	26.95	26.58	25	24.8	23.704	22.955	6H	23.752	24.252	25.051	25.316	27	27.698	24
27	M27x2	M27x2	2	6g	26.96	26.68	25.66	25.49	24.797	24.261	6H	24.835	25.21	25.701	25.925	27	27.513	25
27	M27x1.5	M27x1.5	1.5	6g	26.97	26.73	25.99	25.84	25.344	24.92	6H	25.376	25.676	26.026	26.226	27	27.417	25.5
27	M27x1	M27x1	1	6g	26.97	26.79	26.32	26.2	25.891	25.583	6H	25.917	26.153	26.35	26.52	27	27.314	26
27	M27x0.75	M27x0.75	0.75	6g	26.98	26.84	26.49	26.38	26.166	25.917	6H	26.188	26.378	26.513	26.663	27	27.258	26.25
28	M28x2	M28x2	2	6g	27.96	27.68	26.66	26.49	25.797	25.261	6H	25.835	26.21	26.701	26.925	28	28.513	26
28	M28x1.5	M28x1.5	1.5	6g	27.97	27.73	26.99	26.84	26.344	25.92	6H	26.376	26.676	27.026	27.226	28	28.417	26.5

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

28	M28x1	M28x1	1	6g	27.97	27.79	27.32	27.2	26.891	26.583	6H	26.917	27.153	27.35	27.52	28	28.314	27
30	M30x3.5	M30	3.5	6g	29.95	29.52	27.67	27.46	26.158	25.306	6H	26.211	26.771	27.727	28.007	30	30.785	26.5
30	M30x3	M30x3	3	6g	29.95	29.58	28	27.8	26.704	25.955	6H	26.752	27.252	28.051	28.316	30	30.698	27
30	M30x2.5	M30x2.5	2.5	6g	29.96	29.62	28.33	28.14	27.252	26.604	6H	27.294	27.744	28.376	28.626	30	30.611	27.5
30	M30x2	M30x2	2	6g	29.96	29.68	28.66	28.49	27.797	27.261	6H	27.835	28.21	28.701	28.925	30	30.513	28
30	M30x1.5	M30x1.5	1.5	6g	29.97	29.73	28.99	28.84	28.344	27.92	6H	28.376	28.676	29.026	29.226	30	30.416	28.5
30	M30x1	M30x1	1	6g	29.97	29.79	29.32	29.2	28.891	28.583	6H	28.917	29.153	29.35	29.52	30	30.314	29
30	M30x0.75	M30x0.75	0.75	6g	29.98	29.84	29.49	29.38	29.166	28.917	6H	29.188	29.378	29.513	29.663	30	30.258	29.25
32	M32x2	M32x2	2	6g	31.96	31.68	30.66	30.49	29.797	29.261	6H	29.835	30.21	30.701	30.925	32	32.513	30
32	M32x1.5	M32x1.5	1.5	6g	31.97	31.73	30.99	30.84	30.344	29.92	6H	30.376	30.676	31.026	31.226	32	32.417	30.5
33	M33x3.5	M33	3.5	6g	32.97	32.54	30.7	30.48	29.179	28.327	6H	29.211	29.771	30.727	31.007	33	33.785	29.5
33	M33x3	M33x3	3	6g	32.95	32.58	31	30.8	29.704	28.955	6H	29.752	30.252	31.051	31.316	33	33.698	30
33	M33x2	M33x2	2	6g	32.96	32.68	31.66	31.49	30.797	30.261	6H	30.835	31.21	31.701	31.925	33	33.513	31
33	M33x1.5	M33x1.5	1.5	6g	32.97	32.73	31.99	31.84	31.344	30.92	6H	31.376	31.676	32.026	32.226	33	33.417	31.5
33	M33x1	M33x1	1	6g	32.97	32.79	32.32	32.2	31.891	31.583	6H	31.917	32.153	32.35	32.52	33	33.314	32
33	M33x0.75	M33x0.75	0.75	6g	32.98	32.84	32.49	32.38	32.166	31.917	6H	32.188	32.378	32.513	32.663	33	33.258	32.25
35	M35x1.5	M35x1.5	1.5	6g	34.97	34.73	33.99	33.84	33.344	32.92	6H	33.376	33.676	34.026	34.226	35	35.416	33.5
36	M36x4	M36	4	6g	35.94	35.47	33.34	33.12	31.61	30.654	6H	31.67	32.27	33.402	33.702	36	36.877	32
36	M36x3	M36x3	3	6g	35.95	35.58	34	33.8	32.704	31.955	6H	32.752	33.252	34.051	34.316	36	36.698	33
36	M36x2	M36x2	2	6g	35.96	35.68	34.66	34.49	33.797	33.261	6H	33.835	34.21	34.701	34.925	36	36.513	34
36	M36x1.5	M36x1.5	1.5	6g	35.97	35.73	34.99	34.84	34.344	33.92	6H	34.376	34.676	35.026	35.226	36	36.417	34.5
36	M36x1	M36x1	1	6g	35.97	35.79	35.32	35.2	34.891	34.583	6H	34.917	35.153	35.35	35.52	36	36.314	35
38	M38x1.5	M38x1.5	1.5	6g	37.97	37.73	36.99	36.84	36.344	35.92	6H	36.376	36.676	37.026	37.226	38	38.417	36.5
39	M39x4	M39	4	6g	38.94	38.47	36.34	36.12	34.61	33.654	6H	34.67	35.27	36.402	36.702	39	39.877	35
39	M39x3	M39x3	3	6g	38.95	38.58	37	36.8	35.704	34.955	6H	35.752	36.252	37.051	37.316	39	39.698	36
39	M39x2	M39x2	2	6g	38.96	38.68	37.66	37.49	36.797	36.261	6H	36.835	37.21	37.701	37.925	39	39.513	37
39	M39x1.5	M39x1.5	1.5	6g	38.97	38.73	37.99	37.84	37.344	36.92	6H	37.376	37.676	38.026	38.226	39	39.417	37.5
39	M39x1	M39x1	1	6g	38.97	38.79	38.32	38.2	37.891	37.583	6H	37.917	38.153	38.35	38.52	39	39.314	38
40	M40x3	M40x3	3	6g	39.95	39.58	38	37.8	36.704	35.955	6H	36.752	37.252	38.051	38.316	40	40.698	37
40	M40x2.5	M40x2.5	2.5	6g	39.96	39.62	38.33	38.14	37.252	36.604	6H	37.294	37.744	38.376	38.626	40	40.611	37.5
40	M40x2	M40x2	2	6g	39.96	39.68	38.66	38.49	37.797	37.261	6H	37.835	38.21	38.701	38.925	40	40.513	38
40	M40x1.5	M40x1.5	1.5	6g	39.97	39.73	38.99	38.84	38.344	37.92	6H	38.376	38.676	39.026	39.226	40	40.416	38.5
42	M42x4.5	M42	4.5	6g	41.94	41.44	39.01	38.78	37.066	36.006	6H	37.129	37.799	39.077	39.392	42	42.965	37.5
42	M42x4	M42x4	4	6g	41.94	41.47	39.34	39.12	37.61	36.654	6H	37.67	38.27	39.402	39.702	42	42.877	38
42	M42x3	M42x3	3	6g	41.95	41.58	40	39.8	38.704	37.955	6H	38.752	39.252	40.051	40.316	42	42.698	39
42	M42x2	M42x2	2	6g	41.96	41.68	40.66	40.49	39.797	39.261	6H	39.835	40.21	40.701	40.925	42	42.513	40
42	M42x1.5	M42x1.5	1.5	6g	41.97	41.73	40.99	40.84	40.344	39.92	6H	40.376	40.676	41.026	41.226	42	42.417	40.5
42	M42x1	M42x1	1	6g	41.97	41.79	41.32	41.2	40.891	40.583	6H	40.917	41.153	41.35	41.52	42	42.314	41
45	M45x4.5	M45	4.5	6g	44.94	44.44	42.01	41.78	40.066	39.006	6H	40.129	40.799	42.077	42.392	45	45.965	40.5
45	M45x4	M45x4	4	6g	44.94	44.47	42.34	42.12	40.61	39.654	6H	40.67	41.27	42.402	42.702	45	45.877	41
45	M45x3	M45x3	3	6g	44.95	44.58	43	42.8	41.704	40.955	6H	41.752	42.252	43.051	43.316	45	45.698	42
45	M45x2	M45x2	2	6g	44.96	44.68	43.66	43.49	42.797	42.261	6H	42.835	43.21	43.701	43.925	45	45.513	43
45	M45x1.5	M45x1.5	1.5	6g	44.97	44.73	43.99	43.84	43.344	42.92	6H	43.376	43.676	44.026	44.226	45	45.416	43.5
45	M45x1	M45x1	1	6g	44.97	44.79	44.32	44.2	43.891	43.583	6H	43.917	44.153	44.35	44.52	45	45.314	44
48	M48x5	M48	5	6g	47.93	47.4	44.68	44.43	42.516	41.351	6H	42.587	43.297	44.752	45.087	48	49.057	43
48	M48x4	M48x4	4	6g	47.94	47.47	45.34	45.11	43.61	42.642	6H	43.67	44.27	45.402	45.717	48	48.892	44
48	M48x3	M48x3	3	6g	47.95	47.58	46	45.79	44.704	43.943	6H	44.752	45.252	46.051	46.331	48	48.713	45
48	M48x2	M48x2	2	6g	47.96	47.68	46.66	46.48	45.797	45.251	6H	45.835	46.21	46.701	46.937	48	48.525	46
48	M48x1.5	M48x1.5	1.5	6g	47.97	47.73	46.99	46.83	46.344	45.91	6H	46.376	46.676	47.026	47.238	48	48.429	46.5
50	M50x4	M50x4	4	6g	49.94	49.47	47.34	47.11	45.61	44.642	6H	45.67	46.27	47.402	47.717	50	50.892	46
50	M50x3	M50x3	3	6g	49.95	49.58	48	47.79	46.704	45.943	6H	46.752	47.252	48.051	48.331	50	50.713	47
50	M50x2	M50x2	2	6g	49.96	49.68	48.66	48.48	47.797	47.251	6H	47.835	48.21	48.701	48.937	50	50.525	48
50	M50x1.5	M50x1.5	1.5	6g	49.97	49.73	48.99	48.83	48.344	47.91	6H	48.376	48.676	49.026	49.238	50	50.428	48.5
52	M52x5	M52	5	6g	51.93	51.4	48.68	48.45	46.516	45.365	6H	46.587	47.297	48.752	49.067	52	53.037	47

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

52	M52x4	M52x4	4	6g	51.94	51.47	49.34	49.11	47.61	46.642	6H	47.67	48.27	49.402	49.717	52	52.892	48
52	M52x3	M52x3	3	6g	51.95	51.58	50	49.79	48.704	47.943	6H	48.752	49.252	50.051	50.331	52	52.713	49
52	M52x2	M52x2	2	6g	51.96	51.68	50.66	50.48	49.797	49.251	6H	49.835	50.21	50.701	50.937	52	52.525	50
52	M52x1.5	M52x1.5	1.5	6g	51.97	51.73	50.99	50.83	50.344	49.91	6H	50.376	50.676	51.026	51.238	52	52.429	50.5
55	M55x4	M55x4	4	6g	54.94	54.47	52.34	52.11	50.61	49.642	6H	50.67	51.27	52.402	52.717	55	55.892	51
55	M55x3	M55x3	3	6g	54.95	54.58	53	52.79	51.704	50.943	6H	51.752	52.252	53.051	53.331	55	55.713	52
55	M55x2	M55x2	2	6g	54.96	54.68	53.66	53.48	52.797	52.251	6H	52.835	53.21	53.701	53.937	55	55.525	53
55	M55x1.5	M55x1.5	1.5	6g	54.97	54.73	53.99	53.83	53.344	52.91	6H	53.376	53.676	54.026	54.238	55	55.428	53.5
56	M56x5.5	M56	5.5	6g	55.93	55.37	52.35	52.09	49.971	48.7	6H	50.046	50.796	52.428	52.783	56	57.149	50.5
56	M56x4	M56x4	4	6g	55.94	55.47	53.34	53.11	51.61	50.642	6H	51.67	52.27	53.402	53.717	56	56.892	52
56	M56x3	M56x3	3	6g	55.95	55.58	54	53.79	52.704	51.943	6H	52.752	53.252	54.051	54.331	56	56.713	53
56	M56x2	M56x2	2	6g	55.96	55.68	54.66	54.48	53.797	53.251	6H	53.835	54.21	54.701	54.937	56	56.525	54
56	M56x1.5	M56x1.5	1.5	6g	55.97	55.73	54.99	54.83	54.344	53.91	6H	54.376	54.676	55.026	55.238	56	56.429	54.5
56	M56x1	M56x1	1	6g	55.97	55.79	55.32	55.18	54.891	54.568	6H	54.917	55.153	55.35	55.54	56	56.334	55
58	M58x4	M58x4	4	6g	57.94	57.47	55.34	55.11	53.61	52.642	6H	53.67	54.27	55.402	55.717	58	58.892	54
58	M58x3	M58x3	3	6g	57.95	57.58	56	55.79	54.704	53.943	6H	54.752	55.252	56.051	56.331	58	58.713	55
58	M58x2	M58x2	2	6g	57.96	57.68	56.66	56.48	55.797	55.251	6H	55.835	56.21	56.701	56.937	58	58.525	56
58	M58x1.5	M58x1.5	1.5	6g	57.97	57.73	56.99	56.83	56.344	55.91	6H	56.376	56.676	57.026	57.238	58	58.429	56.5
60	M60x5.5	M60	5.5	6g	59.93	59.37	56.35	56.09	53.971	52.7	6H	54.046	54.796	56.428	56.783	60	61.149	54.5
60	M60x4	M60x4	4	6g	59.94	59.47	57.34	57.11	55.61	54.642	6H	55.67	56.27	57.402	57.717	60	60.892	56
60	M60x3	M60x3	3	6g	59.95	59.58	58	57.79	56.704	55.943	6H	56.752	57.252	58.051	58.331	60	60.713	57
60	M60x2	M60x2	2	6g	59.96	59.68	58.66	58.48	57.797	57.251	6H	57.835	58.21	58.701	58.937	60	60.525	58
60	M60x1.5	M60x1.5	1.5	6g	59.97	59.73	58.99	58.83	58.344	57.91	6H	58.376	58.676	59.026	59.238	60	60.428	58.5
60	M60x1	M60x1	1	6g	59.97	59.79	59.32	59.18	58.891	58.568	6H	58.917	59.153	59.35	59.54	60	60.334	59
62	M62x4	M62x4	4	6g	61.94	61.47	59.34	59.11	57.61	56.642	6H	57.67	58.27	59.402	59.717	62	62.892	58
62	M62x3	M62x3	3	6g	61.95	61.58	60	59.79	58.704	57.943	6H	58.752	59.252	60.051	60.331	62	62.713	59
62	M62x2	M62x2	2	6g	61.96	61.68	60.66	60.48	59.797	59.251	6H	59.835	60.21	60.701	60.937	62	62.525	60
62	M62x1.5	M62x1.5	1.5	6g	61.97	61.73	60.99	60.83	60.344	59.91	6H	60.376	60.676	61.026	61.238	62	62.429	60.5
63	M63x1.5	M63x1.5	1.5	6g	62.97	62.73	61.99	61.83	61.344	60.91	6H	61.376	61.676	62.026	62.238	63	63.429	61.5
64	M64x6	M64	6	6g	63.92	63.32	60.02	59.74	57.425	56.047	6H	57.505	58.305	60.103	60.478	64	65.241	58
64	M64x5.5	M64x5.5	5.5	6g	63.93	63.37	60.35	60.09	57.971	56.7	6H	58.046	58.796	60.428	60.783	64	65.149	58.5
64	M64x4	M64x4	4	6g	63.94	63.47	61.34	61.11	59.61	58.642	6H	59.67	60.27	61.402	61.717	64	64.892	60
64	M64x3	M64x3	3	6g	63.95	63.58	62	61.79	60.704	59.943	6H	60.752	61.252	62.051	62.331	64	64.713	61
64	M64x2	M64x2	2	6g	63.96	63.68	62.66	62.48	61.797	61.251	6H	61.835	62.21	62.701	62.937	64	64.525	62
64	M64x1.5	M64x1.5	1.5	6g	63.97	63.73	62.99	62.83	62.344	61.91	6H	62.376	62.676	63.026	63.238	64	64.429	62.5
64	M64x1	M64x1	1	6g	63.97	63.79	63.32	63.18	62.891	62.568	6H	62.917	63.153	63.35	63.54	64	64.334	63
65	M65x4	M65x4	4	6g	64.94	64.47	62.34	62.11	60.61	59.642	6H	60.67	61.27	62.402	62.717	65	65.892	61
65	M65x3	M65x3	3	6g	64.95	64.58	63	62.79	61.704	60.943	6H	61.752	62.252	63.051	63.331	65	65.713	62
65	M65x2	M65x2	2	6g	64.96	64.68	63.66	63.48	62.797	62.251	6H	62.835	63.21	63.701	63.937	65	65.525	63
65	M65x1.5	M65x1.5	1.5	6g	64.97	64.73	63.99	63.83	63.344	62.91	6H	63.376	63.676	64.026	64.238	65	65.428	63.5
68	M68x6	M68x6	6	6g	67.92	67.32	64.02	63.74	61.425	60.047	6H	61.505	62.305	64.103	64.478	68	69.241	62
68	M68x4	M68x4	4	6g	67.94	67.47	65.34	65.11	63.61	62.642	6H	63.67	64.27	65.402	65.717	68	68.892	64
68	M68x3	M68x3	3	6g	67.95	67.58	66	65.79	64.704	63.943	6H	64.752	65.252	66.051	66.331	68	68.713	65
68	M68x2	M68x2	2	6g	67.96	67.68	66.66	66.48	65.797	65.251	6H	65.835	66.21	66.701	66.937	68	68.525	66
68	M68x1.5	M68x1.5	1.5	6g	67.97	67.73	66.99	66.83	66.344	65.91	6H	66.376	66.676	67.026	67.238	68	68.429	66.5
68	M68x1	M68x1	1	6g	67.97	67.79	67.32	67.18	66.891	66.568	6H	66.917	67.153	67.35	67.54	68	68.334	67
70	M70x6	M70x6	6	6g	69.92	69.32	66.02	65.74	63.425	62.047	6H	63.505	64.305	66.103	66.478	70	71.241	64
70	M70x4	M70x4	4	6g	69.94	69.47	67.34	67.11	65.61	64.642	6H	65.67	66.27	67.402	67.717	70	70.892	66
70	M70x3	M70x3	3	6g	69.95	69.58	68	67.79	66.704	65.943	6H	66.752	67.252	68.051	68.331	70	70.713	67
70	M70x2	M70x2	2	6g	69.96	69.68	68.66	68.48	67.797	67.251	6H	67.835	68.21	68.701	68.937	70	70.525	68
70	M70x1.5	M70x1.5	1.5	6g	69.97	69.73	68.99	68.83	68.344	67.91	6H	68.376	68.676	69.026	69.238	70	70.428	68.5
72	M72x6	M72x6	6	6g	71.92	71.32	68.02	67.74	65.425	64.047	6H	65.505	66.305	68.103	68.478	72	73.241	66
72	M72x4	M72x4	4	6g	71.94	71.47	69.34	69.11	67.61	66.642	6H	67.67	68.27	69.402	69.717	72	72.892	68
72	M72x3	M72x3	3	6g	71.95	71.58	70	69.79	68.704	67.943	6H	68.752	69.252	70.051	70.331	72	72.713	69

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

72	M72x2	M72x2	2	6g	71.96	71.68	70.66	70.48	69.797	69.251	6H	69.835	70.21	70.701	70.937	72	72.525	70
72	M72x1.5	M72x1.5	1.5	6g	71.97	71.73	70.99	70.83	70.344	69.91	6H	70.376	70.676	71.026	71.238	72	72.429	70.5
72	M72x1	M72x1	1	6g	71.97	71.79	71.32	71.18	70.891	70.568	6H	70.917	71.153	71.35	71.54	72	72.334	71
75	M75x6	M75x6	6	6g	74.92	74.32	71.02	70.74	68.425	67.047	6H	68.505	69.305	71.103	71.478	75	76.241	69
75	M75x4	M75x4	4	6g	74.94	74.47	72.34	72.11	70.61	69.642	6H	70.67	71.27	72.402	72.717	75	75.892	71
75	M75x3	M75x3	3	6g	74.95	74.58	73	72.79	71.704	70.943	6H	71.752	72.252	73.051	73.331	75	75.713	72
75	M75x2	M75x2	2	6g	74.96	74.68	73.66	73.48	72.797	72.251	6H	72.835	73.21	73.701	73.937	75	75.525	73
75	M75x1.5	M75x1.5	1.5	6g	74.97	74.73	73.99	73.83	73.344	72.91	6H	73.376	73.676	74.026	74.238	75	75.428	73.5
76	M76x6	M76x6	6	6g	75.92	75.32	72.02	71.74	69.425	68.047	6H	69.505	70.305	72.103	72.478	76	77.241	70
76	M76x4	M76x4	4	6g	75.94	75.47	73.34	73.11	71.61	70.642	6H	71.67	72.27	73.402	73.717	76	76.892	72
76	M76x3	M76x3	3	6g	75.95	75.58	74	73.79	72.704	71.943	6H	72.752	73.252	74.051	74.331	76	76.713	73
76	M76x2	M76x2	2	6g	75.96	75.68	74.66	74.48	73.797	73.251	6H	73.835	74.21	74.701	74.937	76	76.525	74
76	M76x1.5	M76x1.5	1.5	6g	75.97	75.73	74.99	74.83	74.344	73.91	6H	74.376	74.676	75.026	75.238	76	76.429	74.5
76	M76x1	M76x1	1	6g	75.97	75.79	75.32	75.18	74.891	74.568	6H	74.917	75.153	75.35	75.54	76	76.334	75
78	M78x2	M78x2	2	6g	77.96	77.68	76.66	76.48	75.797	75.251	6H	75.835	76.21	76.701	76.937	78	78.525	76
80	M80x6	M80x6	6	6g	79.92	79.32	76.02	75.74	73.425	72.047	6H	73.505	74.305	76.103	76.478	80	81.241	74
80	M80x4	M80x4	4	6g	79.94	79.34	77.34	77.11	75.61	74.642	6H	75.67	76.27	77.402	77.717	80	80.892	76
80	M80x3	M80x3	3	6g	79.95	79.58	78	77.79	76.704	75.943	6H	76.752	77.252	78.051	78.331	80	80.713	77
80	M80x2	M80x2	2	6g	79.96	79.68	78.66	78.48	77.797	77.251	6H	77.835	78.21	78.701	78.937	80	80.525	78
80	M80x1.5	M80x1.5	1.5	6g	79.97	79.73	78.99	78.83	78.344	77.91	6H	78.376	78.676	79.026	79.238	80	80.428	78.5
80	M80x1	M80x1	1	6g	79.97	79.79	79.32	79.18	78.891	78.568	6H	78.917	79.153	79.35	79.54	80	80.334	79
82	M82x2	M82x2	2	6g	81.96	81.68	80.66	80.48	79.797	79.251	6H	79.835	80.21	80.701	80.937	82	82.525	80
85	M85x6	M85x6	6	6g	84.92	84.32	81.02	80.74	78.425	77.047	6H	78.505	79.305	81.103	81.478	85	86.241	79
85	M85x4	M85x4	4	6g	84.94	84.47	82.34	82.11	80.61	79.642	6H	80.67	81.27	82.402	82.717	85	85.892	81
85	M85x3	M85x3	3	6g	84.95	84.58	83	82.79	81.704	80.943	6H	81.752	82.252	83.051	83.331	85	85.713	82
85	M85x2	M85x2	2	6g	84.96	84.68	83.66	83.48	82.797	82.251	6H	82.835	83.21	83.701	83.937	85	85.525	83
85	M85x1.5	M85x1.5	1.5	6g	84.97	84.73	83.99	83.83	83.344	82.91	6H	83.376	83.676	84.026	84.238	85	85.429	83.5
90	M90x6	M90x6	6	6g	89.92	89.32	86.02	85.74	83.425	82.047	6H	83.505	84.305	86.103	86.478	90	91.241	84
90	M90x4	M90x4	4	6g	89.94	89.47	87.34	87.11	85.61	84.642	6H	85.67	86.27	87.402	87.717	90	90.892	86
90	M90x3	M90x3	3	6g	89.95	89.58	88	87.79	86.704	85.943	6H	86.752	87.252	88.051	88.331	90	90.713	87
90	M90x2	M90x2	2	6g	89.96	89.68	88.66	88.48	87.797	87.251	6H	87.835	88.21	88.701	88.937	90	90.525	88
90	M90x1.5	M90x1.5	1.5	6g	89.97	89.73	88.99	88.83	88.344	87.91	6H	88.376	88.676	89.026	89.238	90	90.429	88.5
95	M95x6	M95x6	6	6g	94.92	94.32	91.02	90.72	88.425	87.027	6H	88.505	89.305	91.103	91.503	95	96.266	89
95	M95x4	M95x4	4	6g	94.94	94.47	92.34	92.09	90.61	89.628	6H	90.67	91.27	92.402	92.737	95	95.912	91
95	M95x3	M95x3	3	6g	94.95	94.58	93	92.78	91.704	90.931	6H	91.752	92.252	93.051	93.351	95	95.733	92
95	M95x2	M95x2	2	6g	94.96	94.68	93.66	93.47	92.797	92.241	6H	92.835	93.21	93.701	93.951	95	95.539	93
95	M95x1.5	M95x1.5	1.5	6g	94.97	94.73	93.99	93.81	93.344	92.89	6H	93.376	93.676	94.026	94.262	95	95.453	93.5
100	M100x6	M100x6	6	6g	99.92	99.32	96.02	95.72	93.425	92.027	6H	93.505	94.305	96.103	96.503	100	101.27	94
100	M100x4	M100x4	4	6g	99.94	99.47	97.34	97.09	95.61	94.628	6H	95.67	96.27	97.402	97.737	100	100.91	96
100	M100x3	M100x3	3	6g	99.95	99.58	98	97.78	96.704	95.931	6H	96.752	97.252	98.051	98.351	100	100.73	97
100	M100x2	M100x2	2	6g	99.96	99.68	98.66	98.47	97.797	97.241	6H	97.835	98.21	98.701	98.951	100	100.54	98
100	M100x1.5	M100x1.5	1.5	6g	99.97	99.73	98.99	98.81	98.344	97.89	6H	98.376	98.676	99.026	99.262	100	100.45	98.5
105	M105x6	M105x6	6	6g	104.9	104.3	101	100.7	98.425	97.027	6H	98.505	99.305	101.1	101.5	105	106.27	99
105	M105x4	M105x4	4	6g	104.9	104.5	102.3	102.1	100.61	99.628	6H	100.67	101.27	102.4	102.74	105	105.91	101
105	M105x3	M105x3	3	6g	105	104.6	103	102.8	101.7	100.93	6H	101.75	102.25	103.05	103.35	105	105.73	102
105	M105x2	M105x2	2	6g	105	104.7	103.7	103.5	102.8	102.24	6H	102.84	103.21	103.7	103.95	105	105.54	103
105	M105x1.5	M105x1.5	1.5	6g	105	104.7	104	103.8	103.34	102.89	6H	103.38	103.68	104.03	104.26	105	105.45	103.5
110	M110x6	M110x6	6	6g	109.9	109.3	106	105.7	103.43	102.03	6H	103.51	104.31	106.1	106.5	110	111.27	104
110	M110x4	M110x4	4	6g	109.9	109.5	107.3	107.1	105.61	104.63	6H	105.67	106.27	107.4	107.74	110	110.91	106
110	M110x3	M110x3	3	6g	110	109.6	108	107.8	106.7	105.93	6H	106.75	107.25	108.05	108.35	110	110.73	107
110	M110x2	M110x2	2	6g	110	109.7	108.7	108.5	107.8	107.24	6H	107.84	108.21	108.7	108.95	110	110.54	108
110	M110x1.5	M110x1.5	1.5	6g	110	109.7	109	108.8	108.34	107.89	6H	108.38	108.68	109.03	109.26	110	110.45	108.5
115	M115x6	M115x6	6	6g	114.9	114.3	111	110.7	108.43	107.03	6H	108.51	109.31	111.1	111.5	115	116.27	109
115	M115x4	M115x4	4	6g	114.9	114.5	112.3	112.1	110.61	109.63	6H	110.67	111.27	112.4	112.74	115	115.91	111

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

115	M115x3	M115x3	3	6g	115	114.6	113	112.8	111.7	110.93	6H	111.75	112.25	113.05	113.35	115	115.73	112
115	M115x2	M115x2	2	6g	115	114.7	113.7	113.5	112.8	112.24	6H	112.84	113.21	113.7	113.95	115	115.54	113
115	M115x1.5	M115x1.5	1.5	6g	115	114.7	114	113.8	113.34	112.89	6H	113.38	113.68	114.03	114.26	115	115.45	113.5
120	M120x6	M120x6	6	6g	119.9	119.3	116	115.7	113.43	112.03	6H	113.51	114.31	116.1	116.5	120	121.27	114
120	M120x4	M120x4	4	6g	119.9	119.5	117.3	117.1	115.61	114.63	6H	115.67	116.27	117.4	117.74	120	120.91	116
120	M120x3	M120x3	3	6g	120	119.6	118	117.8	116.7	115.93	6H	116.75	117.25	118.05	118.35	120	120.73	117
120	M120x2	M120x2	2	6g	120	119.7	118.7	118.5	117.8	117.24	6H	117.84	118.21	118.7	118.95	120	120.54	118
120	M120x1.5	M120x1.5	1.5	6g	120	119.7	119	118.8	118.34	117.89	6H	118.38	118.68	119.03	119.26	120	120.45	118.5
125	M125x8	M125x8	8	6g	124.9	124.2	119.7	119.4	116.24	114.44	6H	116.34	117.34	119.8	120.25	125	126.61	117
125	M125x6	M125x6	6	6g	124.9	124.3	121	120.7	118.43	117.03	6H	118.51	119.31	121.1	121.5	125	126.27	119
125	M125x4	M125x4	4	6g	124.9	124.5	122.3	122.1	120.61	119.63	6H	120.67	121.27	122.4	122.74	125	125.91	121
125	M125x3	M125x3	3	6g	125	124.6	123	122.8	121.7	120.93	6H	121.75	122.25	123.05	123.35	125	125.73	122
125	M125x2	M125x2	2	6g	125	124.7	123.7	123.5	122.8	122.24	6H	122.84	123.21	123.7	123.95	125	125.54	123
125	M125x1.5	M125x1.5	1.5	6g	125	124.7	124	123.8	123.34	122.89	6H	123.38	123.68	124.03	124.26	125	125.45	123.5
130	M130x8	M130x8	8	6g	129.9	129.2	124.7	124.4	121.24	119.44	6H	121.34	122.34	124.8	125.25	130	131.61	122
130	M130x6	M130x6	6	6g	129.9	129.3	126	125.7	123.43	122.03	6H	123.51	124.31	126.1	126.5	130	131.27	124
130	M130x4	M130x4	4	6g	129.9	129.5	127.3	127.1	125.61	124.63	6H	125.67	126.27	127.4	127.74	130	130.91	126
130	M130x3	M130x3	3	6g	130	129.6	128	127.8	126.7	125.93	6H	126.75	127.25	128.05	128.35	130	130.73	127
130	M130x2	M130x2	2	6g	130	129.7	128.7	128.5	127.8	127.24	6H	127.84	128.21	128.7	128.95	130	130.54	128
130	M130x1.5	M130x1.5	1.5	6g	130	129.7	129	128.8	128.34	127.89	6H	128.38	128.68	129.03	129.26	130	130.45	128.5
135	M135x6	M135x6	6	6g	134.9	134.3	131	130.7	128.43	127.03	6H	128.51	129.31	131.1	131.5	135	136.27	129
135	M135x4	M135x4	4	6g	134.9	134.5	132.3	132.1	130.61	129.63	6H	130.67	131.27	132.4	132.74	135	135.91	131
135	M135x3	M135x3	3	6g	135	134.6	133	132.8	131.7	130.93	6H	131.75	132.25	133.05	133.35	135	135.73	132
135	M135x2	M135x2	2	6g	135	134.7	133.7	133.5	132.8	132.24	6H	132.84	133.21	133.7	133.95	135	135.54	133
135	M135x1.5	M135x1.5	1.5	6g	135	134.7	134	133.8	133.34	132.89	6H	133.38	133.68	134.03	134.26	135	135.45	133.5
140	M140x8	M140x8	8	6g	139.9	139.2	134.7	134.4	131.24	129.44	6H	131.34	132.34	134.8	135.25	140	141.61	132
140	M140x6	M140x6	6	6g	139.9	139.3	136	135.7	133.43	132.03	6H	133.51	134.31	136.1	136.5	140	141.27	134
140	M140x4	M140x4	4	6g	139.9	139.5	137.3	137.1	135.61	134.63	6H	135.67	136.27	137.4	137.74	140	140.91	136
140	M140x3	M140x3	3	6g	140	139.6	138	137.8	136.7	135.93	6H	136.75	137.25	138.05	138.35	140	140.73	137
140	M140x2	M140x2	2	6g	140	139.7	138.7	138.5	137.8	137.24	6H	137.84	138.21	138.7	138.95	140	140.54	138
140	M140x1.5	M140x1.5	1.5	6g	140	139.7	139	138.8	138.34	137.89	6H	138.38	138.68	139.03	139.26	140	140.45	138.5
145	M145x6	M145x6	6	6g	144.9	144.3	141	140.7	138.43	137.03	6H	138.51	139.31	141.1	141.5	145	146.27	139
145	M145x4	M145x4	4	6g	144.9	144.5	142.3	142.1	140.61	139.63	6H	140.67	141.27	142.4	142.74	145	145.91	141
145	M145x3	M145x3	3	6g	145	144.6	143	142.8	141.7	140.93	6H	141.75	142.25	143.05	143.35	145	145.73	142
145	M145x2	M145x2	2	6g	145	144.7	143.7	143.5	142.8	142.24	6H	142.84	143.21	143.7	143.95	145	145.54	143
145	M145x1.5	M145x1.5	1.5	6g	145	144.7	144	143.8	143.34	142.89	6H	143.38	143.68	144.03	144.26	145	145.45	143.5
150	M150x8	M150x8	8	6g	149.9	149.2	144.7	144.4	141.24	139.44	6H	141.34	142.34	144.8	145.25	150	151.61	142
150	M150x6	M150x6	6	6g	149.9	149.3	146	145.7	143.43	142.03	6H	143.51	144.31	146.1	146.5	150	151.27	144
150	M150x4	M150x4	4	6g	149.9	149.5	147.3	147.1	145.61	144.63	6H	145.67	146.27	147.4	147.74	150	150.91	146
150	M150x3	M150x3	3	6g	150	149.6	148	147.8	146.7	145.93	6H	146.75	147.25	148.05	148.35	150	150.73	147
150	M150x2	M150x2	2	6g	150	149.7	148.7	148.5	147.8	147.24	6H	147.84	148.21	148.7	148.95	150	150.54	148
150	M150x1.5	M150x1.5	1.5	6g	150	149.7	149	148.8	148.34	147.89	6H	148.38	148.68	149.03	149.26	150	150.45	148.5
155	M155x6	M155x6	6	6g	154.9	154.3	151	150.7	148.43	147.03	6H	148.51	149.31	151.1	151.5	155	156.27	149
155	M155x4	M155x4	4	6g	154.9	154.5	152.3	152.1	150.61	149.63	6H	150.67	151.27	152.4	152.74	155	155.91	151
155	M155x3	M155x3	3	6g	155	154.6	153	152.8	151.7	150.93	6H	151.75	152.25	153.05	153.35	155	155.73	152
155	M155x2	M155x2	2	6g	155	154.7	153.7	153.5	152.8	152.24	6H	152.84	153.21	153.7	153.95	155	155.54	153
160	M160x8	M160x8	8	6g	159.9	159.2	154.7	154.4	151.24	149.44	6H	151.34	152.34	154.8	155.25	160	161.61	152
160	M160x6	M160x6	6	6g	159.9	159.3	156	155.7	153.43	152.03	6H	153.51	154.31	156.1	156.5	160	161.27	154
160	M160x4	M160x4	4	6g	159.9	159.5	157.3	157.1	155.61	154.63	6H	155.67	156.27	157.4	157.74	160	160.91	156
160	M160x3	M160x3	3	6g	160	159.6	158	157.8	156.7	155.93	6H	156.75	157.25	158.05	158.35	160	160.73	157
160	M160x2	M160x2	2	6g	160	159.7	158.7	158.5	157.8	157.24	6H	157.84	158.21	158.7	158.95	160	160.54	158
165	M165x6	M165x6	6	6g	164.9	164.3	161	160.7	158.43	157.03	6H	158.51	159.31	161.1	161.5	165	166.27	159
165	M165x4	M165x4	4	6g	164.9	164.5	162.3	162.1	160.61	159.63	6H	160.67	161.27	162.4	162.74	165	165.91	161
165	M165x3	M165x3	3	6g	165	164.6	163	162.8	161.7	160.93	6H	161.75	162.25	163.05	163.35	165	165.73	162

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

165	M165x2	M165x2	2	6g	165	164.7	163.7	163.5	162.8	162.24	6H	162.84	163.21	163.7	163.95	165	165.54	163
170	M170x8	M170x8	8	6g	169.9	169.2	164.7	164.4	161.24	159.44	6H	161.34	162.34	164.8	165.25	170	171.61	162
170	M170x6	M170x6	6	6g	169.9	169.3	166	165.7	163.43	162.03	6H	163.51	164.31	166.1	166.5	170	171.27	164
170	M170x4	M170x4	4	6g	169.9	169.5	167.3	167.1	165.61	164.63	6H	165.67	166.27	167.4	167.74	170	170.91	166
170	M170x3	M170x3	3	6g	170	169.6	168	167.8	166.7	165.93	6H	166.75	167.25	168.05	168.35	170	170.73	167
170	M170x2	M170x2	2	6g	170	169.7	168.7	168.5	167.8	167.24	6H	167.84	168.21	168.7	168.95	170	170.54	168
175	M175x6	M175x6	6	6g	174.9	174.3	171	170.7	168.43	167.03	6H	168.51	169.31	171.1	171.5	175	176.27	169
175	M175x4	M175x4	4	6g	174.9	174.5	172.3	172.1	170.61	169.63	6H	170.67	171.27	172.4	172.74	175	175.91	171
175	M175x3	M175x3	3	6g	175	174.6	173	172.8	171.7	170.93	6H	171.75	172.25	173.05	173.35	175	175.73	172
175	M175x2	M175x2	2	6g	175	174.7	173.7	173.5	172.8	172.24	6H	172.84	173.21	173.7	173.95	175	175.54	173
180	M180x8	M180x8	8	6g	179.9	179.2	174.7	174.4	171.24	169.44	6H	171.34	172.34	174.8	175.25	180	181.61	172
180	M180x6	M180x6	6	6g	179.9	179.3	176	175.7	173.43	172.03	6H	173.51	174.31	176.1	176.5	180	181.27	174
180	M180x4	M180x4	4	6g	179.9	179.5	177.3	177.1	175.61	174.63	6H	175.67	176.27	177.4	177.74	180	180.91	176
180	M180x3	M180x3	3	6g	180	179.6	178	177.8	176.7	175.93	6H	176.75	177.25	178.05	178.35	180	180.73	177
180	M180x2	M180x2	2	6g	180	179.7	178.7	178.5	177.8	177.24	6H	177.84	178.21	178.7	178.95	180	180.54	178
185	M185x6	M185x6	6	6g	184.9	184.3	181	180.7	178.43	177.01	6H	178.51	179.31	181.1	181.53	185	186.29	179
185	M185x4	M185x4	4	6g	184.9	184.5	182.3	182.1	180.61	179.6	6H	180.67	181.27	182.4	182.78	185	185.95	181
185	M185x3	M185x3	3	6g	185	184.6	183	182.8	181.7	180.91	6H	181.75	182.25	183.05	183.39	185	185.77	182
185	M185x2	M185x2	2	6g	185	184.7	183.7	183.5	182.8	182.22	6H	182.84	183.21	183.7	183.98	185	185.57	183
190	M190x8	M190x8	8	6g	189.9	189.2	184.7	184.3	181.24	179.42	6H	181.34	182.34	184.8	185.28	190	191.63	182
190	M190x6	M190x6	6	6g	189.9	189.3	186	185.7	183.43	182.01	6H	183.51	184.31	186.1	186.53	190	191.29	184
190	M190x4	M190x4	4	6g	189.9	189.5	187.3	187.1	185.61	184.6	6H	185.67	186.27	187.4	187.78	190	190.95	186
190	M190x3	M190x3	3	6g	190	189.6	188	187.8	186.7	185.91	6H	186.75	187.25	188.05	188.39	190	190.77	187
190	M190x2	M190x2	2	6g	190	189.7	188.7	188.5	187.8	187.22	6H	187.84	188.21	188.7	188.98	190	190.57	188
195	M195x6	M195x6	6	6g	194.9	194.3	191	190.7	188.43	187.01	6H	188.51	189.31	191.1	191.53	195	196.29	189
195	M195x4	M195x4	4	6g	194.9	194.5	192.3	192.1	190.61	189.6	6H	190.67	191.27	192.4	192.78	195	195.95	191
195	M195x3	M195x3	3	6g	195	194.6	193	192.8	191.7	190.91	6H	191.75	192.25	193.05	193.39	195	195.77	192
195	M195x2	M195x2	2	6g	195	194.7	193.7	193.5	192.8	192.22	6H	192.84	193.21	193.7	193.98	195	195.57	193
200	M200x8	M200x8	8	6g	199.9	199.2	194.7	194.3	191.24	189.42	6H	191.34	192.34	194.8	195.28	200	201.63	192
200	M200x6	M200x6	6	6g	199.9	199.3	196	195.7	193.43	192.01	6H	193.51	194.31	196.1	196.53	200	201.29	194
200	M200x4	M200x4	4	6g	199.9	199.5	197.3	197.1	195.61	194.6	6H	195.67	196.27	197.4	197.78	200	200.95	196
200	M200x3	M200x3	3	6g	200	199.6	198	197.8	196.7	195.91	6H	196.75	197.25	198.05	198.39	200	200.77	197
200	M200x2	M200x2	2	6g	200	199.7	198.7	198.5	197.8	197.22	6H	197.84	198.21	198.7	198.98	200	200.57	198
205	M205x6	M205x6	6	6g	204.9	204.3	201	200.7	198.43	197.01	6H	198.51	199.31	201.1	201.53	205	206.29	199
205	M205x4	M205x4	4	6g	204.9	204.5	202.3	202.1	200.61	199.6	6H	200.67	201.27	202.4	202.78	205	205.95	201
205	M205x3	M205x3	3	6g	205	204.6	203	202.8	201.7	200.91	6H	201.75	202.25	203.05	203.39	205	205.77	202
205	M205x2	M205x2	2	6g	205	204.7	203.7	203.5	202.8	202.22	6H	202.84	203.21	203.7	203.98	205	205.57	203
210	M210x8	M210x8	8	6g	209.9	209.2	204.7	204.3	201.24	199.42	6H	201.34	202.34	204.8	205.28	210	211.63	202
210	M210x6	M210x6	6	6g	209.9	209.3	206	205.7	203.43	202.01	6H	203.51	204.31	206.1	206.53	210	211.29	204
210	M210x4	M210x4	4	6g	209.9	209.5	207.3	207.1	205.61	204.6	6H	205.67	206.27	207.4	207.78	210	210.95	206
210	M210x3	M210x3	3	6g	210	209.6	208	207.8	206.7	205.91	6H	206.75	207.25	208.05	208.39	210	210.77	207
210	M210x2	M210x2	2	6g	210	209.7	208.7	208.5	207.8	207.22	6H	207.84	208.21	208.7	208.98	210	210.57	208
215	M215x6	M215x6	6	6g	214.9	214.3	211	210.7	208.43	207.01	6H	208.51	209.31	211.1	211.53	215	216.29	209
215	M215x4	M215x4	4	6g	214.9	214.5	212.3	212.1	210.61	209.6	6H	210.67	211.27	212.4	212.78	215	215.95	211
215	M215x3	M215x3	3	6g	215	214.6	213	212.8	211.7	210.91	6H	211.75	212.25	213.05	213.39	215	215.77	212
220	M220x8	M220x8	8	6g	219.9	219.2	214.7	214.3	211.24	209.42	6H	211.34	212.34	214.8	215.28	220	221.63	212
220	M220x6	M220x6	6	6g	219.9	219.3	216	215.7	213.43	212.01	6H	213.51	214.31	216.1	216.53	220	221.29	214
220	M220x4	M220x4	4	6g	219.9	219.5	217.3	217.1	215.61	214.6	6H	215.67	216.27	217.4	217.78	220	220.95	216
220	M220x3	M220x3	3	6g	220	219.6	218	217.8	216.7	215.91	6H	216.75	217.25	218.05	218.39	220	220.77	217
220	M220x2	M220x2	2	6g	220	219.7	218.7	218.5	217.8	217.22	6H	217.84	218.21	218.7	218.98	220	220.57	218
225	M225x6	M225x6	6	6g	224.9	224.5	221	220.7	218.43	217.01	6H	218.51	219.31	221.1	221.53	225	226.29	219
225	M225x4	M225x4	4	6g	224.9	224.5	222.3	222.1	220.61	219.6	6H	220.67	221.27	222.4	222.78	225	225.95	221
225	M225x3	M225x3	3	6g	225	224.6	223	222.8	221.7	220.91	6H	221.75	222.25	223.05	223.39	225	225.77	222
225	M225x2	M225x2	2	6g	225	224.7	223.7	223.5	222.8	222.22	6H	222.84	223.21	223.7	223.98	225	225.57	223

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

230	M230x6	M230x6	6	6g	229.9	229.3	226	225.7	223.43	222.01	6H	223.51	224.31	226.1	226.53	230	231.29	224
230	M230x4	M230x4	4	6g	229.9	229.5	227.3	227.1	225.61	224.6	6H	225.67	226.27	227.4	227.78	230	230.95	226
230	M230x3	M230x3	3	6g	230	229.6	228	227.8	226.7	225.91	6H	226.75	227.25	228.05	228.39	230	230.77	227
230	M230x2	M230x2	2	6g	230	229.7	228.7	228.5	227.8	227.22	6H	227.84	228.21	228.7	228.98	230	230.57	228
235	M235x6	M235x6	6	6g	234.9	234.3	231	230.7	228.43	226.97	6H	228.51	229.31	231.1	231.58	235	236.34	229
235	M235x4	M235x4	4	6g	234.9	234.5	232.3	232.1	230.61	229.6	6H	230.67	231.27	232.4	232.78	235	235.95	231
235	M235x3	M235x3	3	6g	235	234.6	233	232.8	231.7	230.91	6H	231.75	232.25	233.05	233.39	235	235.77	232
240	M240x8	M240x8	8	6g	239.9	239.2	234.7	234.3	231.24	229.42	6H	231.34	232.34	234.8	235.28	240	241.63	232
240	M240x6	M240x6	6	6g	239.9	239.3	236	235.7	233.43	232.01	6H	233.51	234.31	236.1	236.53	240	241.29	234
240	M240x4	M240x4	4	6g	239.9	239.5	237.3	237.1	235.61	234.6	6H	235.67	236.27	237.4	237.78	240	240.95	236
240	M240x3	M240x3	3	6g	240	239.6	238	237.8	236.7	235.91	6H	236.75	237.25	238.05	238.39	240	240.77	237
240	M240x2	M240x2	2	6g	240	239.7	238.7	238.5	237.8	237.22	6H	237.84	238.21	238.7	238.98	240	240.57	238
245	M245x6	M245x6	6	6g	244.9	244.3	241	240.7	238.43	237.01	6H	238.51	239.31	241.1	241.53	245	246.29	239
245	M245x4	M245x4	4	6g	244.9	244.5	242.3	242.1	240.61	239.6	6H	240.67	241.27	242.4	242.78	245	245.95	241
245	M245x3	M245x3	3	6g	245	244.6	243	242.8	241.7	240.91	6H	241.75	242.25	243.05	243.39	245	245.77	242
245	M245x2	M245x2	2	6g	245	244.7	243.7	243.5	242.8	242.22	6H	242.84	243.21	243.7	243.98	245	245.57	243
250	M250x8	M250x8	8	6g	249.9	249.2	244.7	244.3	241.24	239.42	6H	241.34	242.34	244.8	245.28	250	251.63	242
250	M250x6	M250x6	6	6g	249.9	249.3	246	245.7	243.43	242.01	6H	243.51	244.31	246.1	246.53	250	251.29	244
250	M250x4	M250x4	4	6g	249.9	249.5	247.3	247.1	245.61	244.6	6H	245.67	246.27	247.4	247.78	250	250.95	246
250	M250x3	M250x3	3	6g	250	249.6	248	247.8	246.7	245.91	6H	246.75	247.25	248.05	248.39	250	250.77	247
250	M250x2	M250x2	2	6g	250	249.7	248.7	248.5	247.8	247.22	6H	247.84	248.21	248.7	248.98	250	250.57	248
255	M255x6	M255x6	6	6g	254.9	254.3	251	250.7	248.43	246.97	6H	248.51	249.31	251.1	251.58	255	256.34	249
255	M255x4	M255x4	4	6g	254.9	254.5	252.3	252.1	250.61	249.6	6H	250.67	251.27	252.4	252.78	255	255.95	251
255	M255x3	M255x3	3	6g	255	254.6	253	252.8	251.7	250.91	6H	251.75	252.25	253.05	253.39	255	255.77	252
260	M260x8	M260x8	8	6g	259.9	259.2	254.7	254.3	251.24	249.42	6H	251.34	252.34	254.8	255.28	260	261.63	252
260	M260x6	M260x6	6	6g	259.9	259.3	256	255.7	253.43	252.01	6H	253.51	254.31	256.1	256.53	260	261.29	254
260	M260x4	M260x4	4	6g	259.9	259.5	257.3	257.1	255.61	254.6	6H	255.67	256.27	257.4	257.78	260	260.95	256
260	M260x3	M260x3	3	6g	260	259.6	258	257.8	256.7	255.91	6H	256.75	257.25	258.05	258.39	260	260.77	257
265	M265x6	M265x6	6	6g	264.9	264.3	261	260.7	258.43	257.01	6H	258.51	259.31	261.1	261.53	265	266.29	259
265	M265x4	M265x4	4	6g	264.9	264.5	262.3	262.1	260.61	259.6	6H	260.67	261.27	262.4	262.78	265	265.95	261
265	M265x3	M265x3	3	6g	265	264.6	263	262.8	261.7	260.91	6H	261.75	262.25	263.05	263.39	265	265.77	262
270	M270x6	M270x6	6	6g	269.9	269.3	266	265.7	263.43	262.01	6H	263.51	264.31	266.1	266.53	270	271.29	264
270	M270x4	M270x4	4	6g	269.9	269.5	267.3	267.1	265.61	264.6	6H	265.67	266.27	267.4	267.78	270	270.95	266
270	M270x3	M270x3	3	6g	270	269.6	268	267.8	266.7	265.91	6H	266.75	267.25	268.05	268.39	270	270.77	267
275	M275x6	M275x6	6	6g	274.9	274.3	271	270.7	268.43	267.01	6H	268.51	269.31	271.1	271.53	275	276.29	269
275	M275x4	M275x4	4	6g	274.9	274.5	272.3	272.1	270.61	269.6	6H	270.67	271.27	272.4	272.78	275	275.95	271
275	M275x3	M275x3	3	6g	275	274.6	273	272.8	271.7	270.91	6H	271.75	272.25	273.05	273.39	275	275.77	272
280	M280x8	M280x8	8	6g	279.9	279.2	274.7	274.3	271.24	269.42	6H	271.34	272.34	274.8	275.28	280	281.63	272
280	M280x6	M280x6	6	6g	279.9	279.3	276	275.7	273.43	272.01	6H	273.51	274.31	276.1	276.53	280	281.29	274
280	M280x4	M280x4	4	6g	279.9	279.5	277.3	277.1	275.61	274.6	6H	275.67	276.27	277.4	277.78	280	280.95	276
280	M280x3	M280x3	3	6g	280	279.6	278	277.8	276.7	275.91	6H	276.75	277.25	278.05	278.39	280	280.77	277
285	M285x6	M285x6	6	6g	284.9	284.3	281	280.7	278.43	277.01	6H	278.51	279.31	281.1	281.53	285	286.29	279
285	M285x4	M285x4	4	6g	284.9	284.5	282.3	282.1	280.61	279.6	6H	280.67	281.27	282.4	282.78	285	285.95	281
285	M285x3	M285x3	3	6g	285	284.6	283	282.8	281.7	280.91	6H	281.75	282.25	283.05	283.39	285	285.77	282
290	M290x6	M290x6	6	6g	289.9	289.3	286	285.7	283.43	282.01	6H	283.51	284.31	286.1	286.53	290	291.29	284
290	M290x4	M290x4	4	6g	289.9	289.5	287.3	287.1	285.61	284.6	6H	285.67	286.27	287.4	287.78	290	290.95	286
290	M290x3	M290x3	3	6g	290	289.6	288	287.8	286.7	285.91	6H	286.75	287.25	288.05	288.39	290	290.77	287
295	M295x6	M295x6	6	6g	294.9	294.3	291	290.7	288.43	287.01	6H	288.51	289.31	291.1	291.53	295	296.29	289
295	M295x4	M295x4	4	6g	294.9	294.5	292.3	292.1	290.61	289.6	6H	290.67	291.27	292.4	292.78	295	295.95	291
295	M295x3	M295x3	3	6g	295	294.6	293	292.8	291.7	290.91	6H	291.75	292.25	293.05	293.39	295	295.77	292
300	M300x8	M300x8	8	6g	299.9	299.2	294.7	294.3	291.24	289.42	6H	291.34	292.34	294.8	295.28	300	301.63	292
300	M300x6	M300x6	6	6g	299.9	299.3	296	295.7	293.43	292.01	6H	293.51	294.31	296.1	296.53	300	301.29	294
300	M300x4	M300x4	4	6g	299.9	299.5	297.3	297.1	295.61	294.6	6H	295.67	296.27	297.4	297.78	300	300.95	296
300	M300x3	M300x3	3	6g	300	299.6	298	297.8	296.7	295.91	6H	296.75	297.25	298.05	298.39	300	300.77	297

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

310	M310x6	M310x6	6	6g	309.9	309.3	306	305.7	303.43	302.01	6H	303.51	304.31	306.1	306.53	310	311.29	304
310	M310x4	M310x4	4	6g	309.9	309.5	307.3	307.1	305.61	304.6	6H	305.67	306.27	307.4	307.78	310	310.95	306
320	M320x6	M320x6	6	6g	319.9	319.3	316	315.7	313.43	312.01	6H	313.51	314.31	316.1	316.53	320	321.29	314
320	M320x4	M320x4	4	6g	319.9	319.5	317.3	317.1	315.61	314.6	6H	315.67	316.27	317.4	317.78	320	320.95	316
330	M330x6	M330x6	6	6g	329.9	329.3	326	325.7	323.43	322.01	6H	323.51	324.31	326.1	326.53	330	331.29	324
330	M330x4	M330x4	4	6g	329.9	329.5	327.3	327.1	325.61	324.6	6H	325.67	326.27	327.4	327.78	330	330.95	326
340	M340x6	M340x6	6	6g	339.9	339.3	336	335.7	333.43	332.01	6H	333.51	334.31	336.1	336.53	340	341.29	334
340	M340x4	M340x4	4	6g	339.9	339.5	337.3	337.1	335.61	334.6	6H	335.67	336.27	337.4	337.78	340	340.95	336
350	M350x6	M350x6	6	6g	349.9	349.3	346	345.7	343.43	342.01	6H	343.51	344.31	346.1	346.53	350	351.29	344
350	M350x4	M350x4	4	6g	349.9	349.5	347.3	347.1	345.61	344.6	6H	345.67	346.27	347.4	347.78	350	350.95	346
360	M360x6	M360x6	6	6g	359.9	359.3	356	355.7	353.43	351.97	6H	353.51	354.31	356.1	356.58	360	361.34	354
360	M360x4	M360x4	4	6g	359.9	359.5	357.3	357	355.61	354.58	6H	355.67	356.27	357.4	357.8	360	360.98	356
370	M370x6	M370x6	6	6g	369.9	369.3	366	365.7	363.43	361.97	6H	363.51	364.31	366.1	366.58	370	371.34	364
370	M370x4	M370x4	4	6g	369.9	369.5	367.3	367	365.61	364.58	6H	365.67	366.27	367.4	367.8	370	370.98	366
380	M380x6	M380x6	6	6g	379.9	379.3	376	375.7	373.43	371.97	6H	373.51	374.31	376.1	376.58	380	381.34	374
380	M380x4	M380x4	4	6g	379.9	379.5	377.3	377	375.61	374.58	6H	375.67	376.27	377.4	377.8	380	380.98	376
390	M390x6	M390x6	6	6g	389.9	389.3	386	385.7	383.43	381.97	6H	383.51	384.31	386.1	386.58	390	391.34	384
390	M390x4	M390x4	4	6g	389.9	389.5	387.3	387	385.61	384.58	6H	385.67	386.27	387.4	387.8	390	390.98	386
400	M400x6	M400x6	6	6g	399.9	399.3	396	395.7	393.43	391.97	6H	393.51	394.31	396.1	396.58	400	401.34	394
400	M400x4	M400x4	4	6g	399.9	399.5	397.3	397	395.61	394.58	6H	395.67	396.27	397.4	397.8	400	400.98	396
410	M410x6	M410x6	6	6g	409.9	409.3	406	405.7	403.43	401.97	6H	403.51	404.31	406.1	406.58	410	411.34	404
420	M420x6	M420x6	6	6g	419.9	419.3	416	415.7	413.43	411.97	6H	413.51	414.31	416.1	416.58	420	421.34	414
430	M430x6	M430x6	6	6g	429.9	429.3	426	425.7	423.43	421.97	6H	423.51	424.31	426.1	426.58	430	431.34	424
440	M440x6	M440x6	6	6g	439.9	439.3	436	435.7	433.43	431.97	6H	433.51	434.31	436.1	436.58	440	441.34	434
450	M450x6	M450x6	6	6g	449.9	449.3	446	445.7	443.43	441.97	6H	443.51	444.31	446.1	446.58	450	451.34	444
460	M460x6	M460x6	6	6g	459.9	459.3	456	455.7	453.43	451.97	6H	453.51	454.31	456.1	456.58	460	461.34	454
470	M470x6	M470x6	6	6g	469.9	469.3	466	465.7	463.43	461.97	6H	463.51	464.31	466.1	466.58	470	471.34	464
480	M480x6	M480x6	6	6g	479.9	479.3	476	475.7	473.43	471.97	6H	473.51	474.31	476.1	476.58	480	481.34	474
490	M490x6	M490x6	6	6g	489.9	489.3	486	485.7	483.43	481.97	6H	483.51	484.31	486.1	486.58	490	491.34	484
500	M500x6	M500x6	6	6g	499.9	499.3	496	495.7	493.43	491.97	6H	493.51	494.31	496.1	496.58	500	501.34	494
510	M510x6	M510x6	6	6g	509.9	509.3	506	505.7	503.43	501.97	6H	503.51	504.31	506.1	506.58	510	511.34	504
520	M520x6	M520x6	6	6g	519.9	519.3	516	515.7	513.43	511.97	6H	513.51	514.31	516.1	516.58	520	521.34	514
530	M530x6	M530x6	6	6g	529.9	529.3	526	525.7	523.43	521.97	6H	523.51	524.31	526.1	526.58	530	531.34	524
540	M540x6	M540x6	6	6g	539.9	539.3	536	535.7	533.43	531.97	6H	533.51	534.31	536.1	536.58	540	541.34	534
550	M550x6	M550x6	6	6g	549.9	549.3	546	545.7	543.43	541.97	6H	543.51	544.31	546.1	546.58	550	551.34	544
560	M560x6	M560x6	6	6g	559.9	559.3	556	555.7	553.43	551.97	6H	553.51	554.31	556.1	556.58	560	561.34	554
570	M570x6	M570x6	6	6g	569.9	569.3	566	565.7	563.43	561.97	6H	563.51	564.31	566.1	566.58	570	571.34	564
580	M580x6	M580x6	6	6g	579.9	579.3	576	575.7	573.43	571.97	6H	573.51	574.31	576.1	576.58	580	581.34	574
590	M590x6	M590x6	6	6g	589.9	589.3	586	585.7	583.43	581.97	6H	583.51	584.31	586.1	586.58	590	591.34	584
600	M600x6	M600x6	6	6g	599.9	599.3	596	595.7	593.43	591.97	6H	593.51	594.31	596.1	596.58	600	601.34	594

Sorted by thread class

ISO Metric profile				External (bolt thread)						
Size mm	Thread Designation	Simple Thread Designation	Pitch mm	Class	Major Dia d=D		Pitch Dia d2=D2		Minor Dia d3	
					max.	min.	max.	min.	max.	min.
0.25	M0.25x0.075	M0.25x0.075	0.075	4g6g	0.250	0.235	0.201	0.193	0.160	0.152
0.3	M0.3x0.08	M0.3x0.08	0.08	4g6g	0.300	0.284	0.248	0.239	0.204	0.195
0.3	M0.3x0.09	M0.3x0.09	0.09	4g6g	0.300	0.283	0.242	0.233	0.192	0.183
0.35	M0.35x0.09	M0.35x0.09	0.09	4g6g	0.350	0.333	0.292	0.283	0.242	0.233
0.4	M0.4x0.1	M0.4x0.1	0.1	4g6g	0.400	0.382	0.335	0.325	0.280	0.270
0.45	M0.45x0.1	M0.45x0.1	0.1	4g6g	0.450	0.432	0.385	0.375	0.330	0.320
0.5	M0.5x0.125	M0.5x0.125	0.125	4g6g	0.500	0.479	0.419	0.408	0.350	0.339

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

0.55	M0.55x0.125	M0.55x0.125	0.125	4g6g	0.550	0.529	0.469	0.458	0.400	0.389
0.6	M0.6x0.15	M0.6x0.15	0.15	4g6g	0.600	0.576	0.503	0.490	0.420	0.407
0.7	M0.7x0.175	M0.7x0.175	0.175	4g6g	0.700	0.673	0.586	0.572	0.490	0.476
0.8	M0.8x0.2	M0.8x0.2	0.2	4g6g	0.800	0.770	0.670	0.655	0.560	0.545
0.9	M0.9x0.225	M0.9x0.225	0.225	4g6g	0.900	0.867	0.754	0.738	0.630	0.614
1	M1x0.25	M1	0.25	4g6g	0.982	0.915	0.820	0.787	0.711	0.633
1	M1x0.2	M1x0.2	0.2	4g6g	0.983	0.927	0.853	0.823	0.766	0.700
1.1	M1.1x0.25	M1.1x0.25	0.25	4g6g	1.082	1.015	0.920	0.888	0.811	0.734
1.1	M1.1x0.2	M1.1x0.2	0.2	4g6g	1.083	1.027	0.953	0.923	0.866	0.800
1.2	M1.2x0.25	M1.2	0.25	4g6g	1.182	1.115	1.020	0.987	0.911	0.833
1.2	M1.2x0.2	M1.2x0.2	0.2	4g6g	1.183	1.127	1.053	1.023	0.966	0.900
1.4	M1.4x0.3	M1.4	0.3	4g6g	1.383	1.308	1.253	1.215	1.166	1.092
1.4	M1.4x0.2	M1.4x0.2	0.2	4g6g	1.383	1.327	1.253	1.223	1.166	1.100
1.6	M1.6x0.35	M1.6	0.35	4g6g	1.581	1.496	1.354	1.314	1.202	1.098
1.6	M1.6x0.3	M1.6x0.3	0.3	4g6g	1.582	1.507	1.387	1.359	1.257	1.174
1.6	M1.6x0.2	M1.6x0.2	0.2	4g6g	1.583	1.527	1.453	1.421	1.366	1.298
1.7	M1.7x0.35	M1.7x0.35	0.35	4g6g	1.681	1.596	1.454	1.414	1.302	1.198
1.8	M1.8x0.35	M1.8	0.35	4g6g	1.781	1.696	1.554	1.514	1.402	1.298
1.8	M1.8x0.2	M1.8x0.2	0.2	4g6g	1.783	1.727	1.653	1.621	1.566	1.498
2	M2x0.4	M2	0.4	4g6g	1.981	1.886	1.721	1.679	1.548	1.433
2	M2x0.25	M2x0.25	0.25	4g6g	1.982	1.915	1.820	1.784	1.711	1.630
2.2	M2.2x0.45	M2.2	0.45	4g6g	2.180	2.080	1.888	1.843	1.693	1.566
2.2	M2.2x0.25	M2.2x0.25	0.25	4g6g	2.182	2.115	2.020	1.984	1.911	1.830
2.3	M2.3x0.45	M2.3x0.45	0.45	4g6g	2.280	2.180	1.988	1.943	1.793	1.666
2.3	M2.3x0.4	M2.3x0.4	0.4	4g6g	2.281	2.186	2.021	1.979	1.848	1.733
2.5	M2.5x0.45	M2.5	0.45	4g6g	2.480	2.380	2.188	2.143	1.993	1.866
2.5	M2.5x0.35	M2.5x0.35	0.35	4g6g	2.481	2.396	2.254	2.214	2.102	1.998
2.6	M2.6x0.45	M2.6x0.45	0.45	4g6g	2.580	2.480	2.288	2.243	2.093	1.966
3	M3x0.5	M3	0.5	4g6g	2.980	2.874	2.655	2.607	2.439	2.299
3	M3x0.35	M3x0.35	0.35	4g6g	2.981	2.896	2.754	2.712	2.602	2.496
3.5	M3.5x0.6	M3.5	0.6	4g6g	3.479	3.354	3.089	3.036	2.829	2.667
3.5	M3.5x0.35	M3.5x0.35	0.35	4g6g	3.481	3.396	3.254	3.212	3.102	2.996
4	M4x0.7	M4	0.7	4g6g	3.978	3.838	3.523	3.467	3.220	3.036
4	M4x0.5	M4x0.5	0.5	4g6g	3.980	3.874	3.655	3.607	3.439	3.299
4.5	M4.5x0.75	M4.5x0.75	0.75	4g6g	4.478	4.338	3.991	3.935	3.666	3.473
4.5	M4.5x0.5	M4.5x0.5	0.5	4g6g	4.480	4.374	4.155	4.107	3.939	3.799
5	M5x0.8	M5	0.8	4g6g	4.976	4.826	4.456	4.396	4.110	3.904
5	M5x0.5	M5x0.5	0.5	4g6g	4.980	4.874	4.655	4.607	4.439	4.299
5.5	M5.5x0.5	M5.5x0.5	0.5	4g6g	5.480	5.374	5.155	5.099	4.939	4.791
6	M6x1	M6	1	4g6g	5.974	5.794	5.324	5.253	4.891	4.637
6	M6x0.8	M6x0.8	0.8	4g6g	5.976	5.826	5.456	5.406	5.110	4.914
6	M6x0.75	M6x0.75	0.75	4g6g	5.978	5.838	5.491	5.428	5.166	4.966
6	M6x0.7	M6x0.7	0.7	4g6g	5.978	5.838	5.523	5.463	5.220	5.032
6	M6x0.5	M6x0.5	0.5	4g6g	5.980	5.874	5.655	5.602	5.439	5.294
7	M7x1	M7	1	4g6g	6.974	6.794	6.324	6.253	5.891	5.637
7	M7x0.75	M7x0.75	0.75	4g6g	6.978	6.838	6.491	6.428	6.166	5.966
7	M7x0.5	M7x0.5	0.5	4g6g	6.980	6.874	6.655	6.602	6.439	6.294
8	M8x1.25	M8	1.25	4g6g	7.972	7.760	7.160	7.085	6.619	6.315
8	M8x1	M8x1	1	4g6g	7.974	7.794	7.324	7.253	6.891	6.637
8	M8x0.8	M8x0.8	0.8	4g6g	7.976	7.826	7.456	7.389	7.110	6.897
8	M8x0.75	M8x0.75	0.75	4g6g	7.978	7.838	7.491	7.428	7.166	6.966
8	M8x0.5	M8x0.5	0.5	4g6g	7.980	7.874	7.655	7.602	7.439	7.294
9	M9x1.25	M9x1.25	1.25	4g6g	8.972	8.760	8.160	8.085	7.619	7.315
9	M9x1	M9x1	1	4g6g	8.974	8.794	8.324	8.253	7.891	7.637

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

9	M9x0.75	M9x0.75	0.75	4g6g	8.978	8.838	8.491	8.428	8.166	7.966
9	M9x0.5	M9x0.5	0.5	4g6g	8.980	8.874	8.655	8.602	8.439	8.294
10	M10x1.5	M10	1.5	4g6g	9.968	9.732	8.994	8.909	8.344	7.985
10	M10x1.25	M10x1.25	1.25	4g6g	9.972	9.760	9.160	9.085	8.619	8.315
10	M10x1.12	M10x1.12	1.12	4g6g	9.973	9.783	9.246	9.171	8.761	8.481
10	M10x1	M10x1	1	4g6g	9.974	9.794	9.324	9.253	8.891	8.637
10	M10x0.75	M10x0.75	0.75	4g6g	9.978	9.838	9.491	9.428	9.166	8.966
10	M10x0.5	M10x0.5	0.5	4g6g	9.980	9.874	9.655	9.602	9.439	9.294
11	M11x1.5	M11x1.5	1.5	4g6g	10.968	10.732	9.994	9.911	9.344	8.987
11	M11x1	M11x1	1	4g6g	10.974	10.794	10.324	10.253	9.891	9.637
11	M11x0.75	M11x0.75	0.75	4g6g	10.978	10.838	10.491	10.428	10.166	9.966
11	M11x0.5	M11x0.5	0.5	4g6g	10.980	10.874	10.655	10.602	10.439	10.294
12	M12x1.75	M12	1.75	4g6g	11.966	11.701	10.829	10.734	10.072	9.656
12	M12x1.25	M12x1.25	1.25	4g6g	11.972	11.760	11.160	11.075	10.619	10.305
12	M12x1	M12x1	1	4g6g	11.974	11.794	11.324	11.249	10.891	10.633
12	M12x0.75	M12x0.75	0.75	4g6g	11.978	11.838	11.491	11.424	11.166	10.962
12	M12x0.5	M12x0.5	0.5	4g6g	11.980	11.874	11.655	11.598	11.439	11.290
14	M14x2	M14	2	4g6g	13.962	13.682	12.663	12.563	11.797	11.331
14	M14x1.5	M14x1.5	1.5	4g6g	13.968	13.732	12.994	12.904	12.344	11.980
14	M14x1.25	M14x1.25	1.25	4g6g	13.972	13.760	13.160	13.075	12.619	12.305
14	M14x1	M14x1	1	4g6g	13.974	13.794	13.324	13.250	12.891	12.634
14	M14x0.75	M14x0.75	0.75	4g6g	13.978	13.838	13.491	13.424	13.166	12.962
14	M14x0.5	M14x0.5	0.5	4g6g	13.980	13.874	13.655	13.598	13.439	13.290
15	M15x1.5	M15x1.5	1.5	4g6g	14.968	14.732	13.994	13.904	13.344	12.980
15	M15x1	M15x1	1	4g6g	14.974	14.794	14.324	14.249	13.891	13.633
16	M16x2	M16	2	4g6g	15.962	15.682	14.663	14.563	13.797	13.331
16	M16x1.6	M16x1.6	1.6	4g6g	15.968	15.756	14.929	14.863	14.236	13.877
16	M16x1.5	M16x1.5	1.5	4g6g	15.968	15.732	14.994	14.904	14.344	13.980
16	M16x1.25	M16x1.25	1.25	4g6g	15.972	15.760	15.160	15.075	14.619	14.305
16	M16x1	M16x1	1	4g6g	15.974	15.794	15.324	15.249	14.891	14.633
16	M16x0.75	M16x0.75	0.75	4g6g	15.978	15.838	15.491	15.424	15.166	14.962
16	M16x0.5	M16x0.5	0.5	4g6g	15.980	15.874	15.655	15.599	15.439	15.291
17	M17x1.5	M17x1.5	1.5	4g6g	16.968	16.732	15.994	15.904	15.344	14.980
17	M17x1	M17x1	1	4g6g	16.974	16.794	16.324	16.249	15.891	15.633
18	M18x2.5	M18	2.5	4g6g	17.958	17.623	16.334	16.228	15.252	14.688
18	M18x2	M18x2	2	4g6g	17.962	17.682	16.663	16.563	15.797	15.331
18	M18x1.5	M18x1.5	1.5	4g6g	17.968	17.732	16.994	16.904	16.344	15.980
18	M18x1.25	M18x1.25	1.25	4g6g	17.972	17.760	17.160	17.075	16.619	16.305
18	M18x1	M18x1	1	4g6g	17.974	17.794	17.324	17.249	16.891	16.633
18	M18x0.75	M18x0.75	0.75	4g6g	17.978	17.838	17.491	17.424	17.166	16.962
18	M18x0.5	M18x0.5	0.5	4g6g	17.980	17.874	17.655	17.599	17.439	17.291
20	M20x2.5	M20	2.5	4g6g	19.958	19.623	18.334	18.228	17.252	16.688
20	M20x2	M20x2	2	4g6g	19.962	19.682	18.663	18.562	17.797	17.330
20	M20x1.5	M20x1.5	1.5	4g6g	19.968	19.732	18.994	18.904	18.344	17.980
20	M20x1	M20x1	1	4g6g	19.974	19.794	19.324	19.249	18.891	18.633
20	M20x0.75	M20x0.75	0.75	4g6g	19.978	19.838	19.491	19.424	19.166	18.962
20	M20x0.5	M20x0.5	0.5	4g6g	19.980	19.874	19.655	19.599	19.439	19.291
22	M22x3	M22x3	3	4g6g	21.952	21.577	20.003	19.885	18.704	18.037
22	M22x2.5	M22	2.5	4g6g	21.958	21.623	20.334	20.234	19.252	18.694
22	M22x2	M22x2	2	4g6g	21.962	21.682	20.663	20.563	19.797	19.331
22	M22x1.5	M22x1.5	1.5	4g6g	21.968	21.732	20.994	20.904	20.344	19.980
22	M22x1	M22x1	1	4g6g	21.974	21.794	21.324	21.249	20.891	20.633
22	M22x0.75	M22x0.75	0.75	4g6g	21.978	21.838	21.491	21.424	21.166	20.962
22	M22x0.5	M22x0.5	0.5	4g6g	21.980	21.874	21.655	21.598	21.439	21.290

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

24	M24x3	M24	3	4g6g	23.952	23.557	22.003	21.878	20.704	20.030
24	M24x2.5	M24x2.5	2.5	4g6g	23.958	23.623	22.334	22.214	21.252	20.674
24	M24x2	M24x2	2	4g6g	23.962	23.682	22.663	22.557	21.797	21.325
24	M24x1.5	M24x1.5	1.5	4g6g	23.968	23.732	22.994	22.899	22.344	21.975
24	M24x1	M24x1	1	4g6g	23.974	23.794	23.324	23.244	22.891	22.628
24	M24x0.75	M24x0.75	0.75	4g6g	23.978	23.838	23.491	23.420	23.166	22.958
25	M25x2	M25x2	2	4g6g	24.962	24.682	23.663	23.557	22.797	22.325
25	M25x1.5	M25x1.5	1.5	4g6g	24.968	24.732	23.994	23.899	23.344	22.975
25	M25x1	M25x1	1	4g6g	24.974	24.794	24.324	24.244	23.891	23.628
26	M26x1.5	M26x1.5	1.5	4g6g	25.968	25.732	24.994	24.899	24.344	23.975
27	M27x3	M27	3	4g6g	26.952	26.577	25.003	24.878	23.704	23.030
27	M27x2	M27x2	2	4g6g	26.962	26.682	25.663	25.557	24.797	24.325
27	M27x1.5	M27x1.5	1.5	4g6g	26.968	26.732	25.994	25.899	25.344	24.975
27	M27x1	M27x1	1	4g6g	26.974	26.794	26.324	26.244	25.891	25.628
27	M27x0.75	M27x0.75	0.75	4g6g	26.978	26.838	26.491	26.420	26.166	25.958
28	M28x2	M28x2	2	4g6g	27.962	27.682	26.663	26.557	25.797	25.325
28	M28x1.5	M28x1.5	1.5	4g6g	27.968	27.732	26.994	26.899	26.344	25.975
28	M28x1	M28x1	1	4g6g	27.974	27.794	27.324	27.244	26.891	26.628
30	M30x3.5	M30	3.5	4g6g	29.947	29.522	27.674	27.542	26.158	25.386
30	M30x3	M30x3	3	4g6g	29.952	29.577	28.003	27.878	26.704	26.030
30	M30x2.5	M30x2.5	2.5	4g6g	29.958	29.623	28.334	28.214	27.252	26.674
30	M30x2	M30x2	2	4g6g	29.962	29.682	28.663	28.557	27.797	27.325
30	M30x1.5	M30x1.5	1.5	4g6g	29.968	29.732	28.994	28.899	28.344	27.975
30	M30x1	M30x1	1	4g6g	29.974	29.794	29.324	29.244	28.891	28.628
30	M30x0.75	M30x0.75	0.75	4g6g	29.978	29.838	29.491	29.420	29.166	28.958
32	M32x2	M32x2	2	4g6g	31.962	31.682	30.663	30.557	29.797	29.325
32	M32x1.5	M32x1.5	1.5	4g6g	31.968	31.732	30.994	30.899	30.344	29.975
33	M33x3.5	M33	3.5	4g6g	32.968	32.543	30.695	30.563	29.179	28.407
33	M33x3	M33x3	3	4g6g	32.952	32.577	31.003	30.878	29.704	29.030
33	M33x2	M33x2	2	4g6g	32.962	32.682	31.663	31.557	30.797	30.325
33	M33x1.5	M33x1.5	1.5	4g6g	32.968	32.732	31.994	31.899	31.344	30.975
33	M33x1	M33x1	1	4g6g	32.974	32.794	32.324	32.244	31.891	31.628
33	M33x0.75	M33x0.75	0.75	4g6g	32.978	32.838	32.491	32.420	32.166	31.958
35	M35x1.5	M35x1.5	1.5	4g6g	34.968	34.732	33.994	33.899	33.344	32.975
36	M36x4	M36	4	4g6g	35.940	35.465	33.342	33.202	31.610	30.738
36	M36x3	M36x3	3	4g6g	35.952	35.577	34.003	33.878	32.704	32.030
36	M36x2	M36x2	2	4g6g	35.962	35.682	34.663	34.557	33.797	33.325
36	M36x1.5	M36x1.5	1.5	4g6g	35.968	35.732	34.994	34.899	34.344	33.975
36	M36x1	M36x1	1	4g6g	35.974	35.794	35.324	35.244	34.891	34.628
38	M38x1.5	M38x1.5	1.5	4g6g	37.968	37.732	36.994	36.899	36.344	35.975
39	M39x4	M39	4	4g6g	38.940	38.465	36.342	36.202	34.610	33.738
39	M39x3	M39x3	3	4g6g	38.952	38.577	37.003	36.878	35.704	35.030
39	M39x2	M39x2	2	4g6g	38.962	38.682	37.663	37.557	36.797	36.325
39	M39x1.5	M39x1.5	1.5	4g6g	38.968	38.732	37.994	37.899	37.344	36.975
39	M39x1	M39x1	1	4g6g	38.974	38.794	38.324	38.244	37.891	37.628
40	M40x3	M40x3	3	4g6g	39.952	39.577	38.003	37.878	36.704	36.030
40	M40x2.5	M40x2.5	2.5	4g6g	39.958	39.623	38.334	38.215	37.252	36.674
40	M40x2	M40x2	2	4g6g	39.962	39.682	38.663	38.557	37.797	37.325
40	M40x1.5	M40x1.5	1.5	4g6g	39.968	39.732	38.994	38.899	38.344	37.975
42	M42x4.5	M42	4.5	4g6g	41.937	41.437	39.014	38.864	37.066	36.092
42	M42x4	M42x4	4	4g6g	41.940	41.465	39.342	39.202	37.610	36.738
42	M42x3	M42x3	3	4g6g	41.952	41.577	40.003	39.878	38.704	38.030
42	M42x2	M42x2	2	4g6g	41.962	41.682	40.663	40.557	39.797	39.325
42	M42x1.5	M42x1.5	1.5	4g6g	41.968	41.732	40.994	40.899	40.344	39.975

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

42	M42x1	M42x1	1	4g6g	41.974	41.794	41.324	41.244	40.891	40.628
45	M45x4.5	M45	4.5	4g6g	44.937	44.437	42.014	41.864	40.066	39.092
45	M45x4	M45x4	4	4g6g	44.940	44.465	42.342	42.202	40.610	39.738
45	M45x3	M45x3	3	4g6g	44.952	44.577	43.003	42.878	41.704	41.030
45	M45x2	M45x2	2	4g6g	44.962	44.682	43.663	43.557	42.797	42.325
45	M45x1.5	M45x1.5	1.5	4g6g	44.968	44.732	43.994	43.899	43.344	42.975
45	M45x1	M45x1	1	4g6g	44.974	44.794	44.324	44.244	43.891	43.628
48	M48x5	M48	5	4g6g	47.929	47.399	44.681	44.521	42.516	41.441
48	M48x4	M48x4	4	4g6g	47.940	47.465	45.342	45.192	43.610	42.728
48	M48x3	M48x3	3	4g6g	47.952	47.577	46.003	45.871	44.704	44.023
48	M48x2	M48x2	2	4g6g	47.962	47.682	46.663	46.551	45.797	45.319
48	M48x1.5	M48x1.5	1.5	4g6g	47.968	47.732	46.994	46.894	46.344	45.970
50	M50x4	M50x4	4	4g6g	49.940	49.465	47.342	47.192	45.610	44.728
50	M50x3	M50x3	3	4g6g	49.952	49.577	48.003	47.871	46.704	46.023
50	M50x2	M50x2	2	4g6g	49.962	49.682	48.663	48.551	47.797	47.319
50	M50x1.5	M50x1.5	1.5	4g6g	49.968	49.732	48.994	48.894	48.344	47.970
52	M52x5	M52	5	4g6g	51.929	51.399	48.681	48.531	46.516	45.451
52	M52x4	M52x4	4	4g6g	51.940	51.465	49.342	49.192	47.610	46.728
52	M52x3	M52x3	3	4g6g	51.952	51.577	50.003	49.871	48.704	48.023
52	M52x2	M52x2	2	4g6g	51.962	51.682	50.663	50.551	49.797	49.319
52	M52x1.5	M52x1.5	1.5	4g6g	51.968	51.732	50.994	50.894	50.344	49.970
55	M55x4	M55x4	4	4g6g	54.940	54.465	52.342	52.192	50.610	49.728
55	M55x3	M55x3	3	4g6g	54.952	54.577	53.003	52.871	51.704	51.023
55	M55x2	M55x2	2	4g6g	54.962	54.682	53.663	53.551	52.797	52.319
55	M55x1.5	M55x1.5	1.5	4g6g	54.968	54.732	53.994	53.894	53.344	52.970
56	M56x5.5	M56	5.5	4g6g	55.925	55.365	52.353	52.183	49.971	48.795
56	M56x4	M56x4	4	4g6g	55.940	55.465	53.342	53.192	51.610	50.728
56	M56x3	M56x3	3	4g6g	55.952	55.577	54.003	53.871	52.704	52.023
56	M56x2	M56x2	2	4g6g	55.962	55.682	54.663	54.551	53.797	53.319
56	M56x1.5	M56x1.5	1.5	4g6g	55.968	55.732	54.994	54.894	54.344	53.970
56	M56x1	M56x1	1	4g6g	55.974	55.794	55.324	55.234	54.891	54.618
58	M58x4	M58x4	4	4g6g	57.940	57.465	55.342	55.192	53.610	52.728
58	M58x3	M58x3	3	4g6g	57.952	57.577	56.003	55.871	54.704	54.023
58	M58x2	M58x2	2	4g6g	57.962	57.682	56.663	56.551	55.797	55.319
58	M58x1.5	M58x1.5	1.5	4g6g	57.968	57.732	56.994	56.894	56.344	55.970
60	M60x5.5	M60	5.5	4g6g	59.925	59.365	56.353	56.183	53.971	52.795
60	M60x4	M60x4	4	4g6g	59.940	59.465	57.342	57.192	55.610	54.728
60	M60x3	M60x3	3	4g6g	59.952	59.577	58.003	57.871	56.704	56.023
60	M60x2	M60x2	2	4g6g	59.962	59.682	58.663	58.551	57.797	57.319
60	M60x1.5	M60x1.5	1.5	4g6g	59.968	59.732	58.994	58.894	58.344	57.970
60	M60x1	M60x1	1	4g6g	59.974	59.794	59.324	59.234	58.891	58.618
62	M62x4	M62x4	4	4g6g	61.940	61.465	59.342	59.192	57.610	56.728
62	M62x3	M62x3	3	4g6g	61.952	61.577	60.003	59.871	58.704	58.023
62	M62x2	M62x2	2	4g6g	61.962	61.682	60.663	60.551	59.797	59.319
62	M62x1.5	M62x1.5	1.5	4g6g	61.968	61.732	60.994	60.894	60.344	59.970
63	M63x1.5	M63x1.5	1.5	4g6g	62.968	62.732	61.994	61.894	61.344	60.970
64	M64x6	M64	6	4g6g	63.920	63.320	60.023	59.843	57.425	56.147
64	M64x5.5	M64x5.5	5.5	4g6g	63.925	63.365	60.353	60.183	57.971	56.795
64	M64x4	M64x4	4	4g6g	63.940	63.465	61.342	61.192	59.610	58.728
64	M64x3	M64x3	3	4g6g	63.952	63.577	62.003	61.871	60.704	60.023
64	M64x2	M64x2	2	4g6g	63.962	63.682	62.663	62.551	61.797	61.319
64	M64x1.5	M64x1.5	1.5	4g6g	63.968	63.732	62.994	62.894	62.344	61.970
64	M64x1	M64x1	1	4g6g	63.974	63.794	63.324	63.234	62.891	62.618
65	M65x4	M65x4	4	4g6g	64.940	64.465	62.342	62.192	60.610	59.728

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

65	M65x3	M65x3	3	4g6g	64.952	64.577	63.003	62.871	61.704	61.023
65	M65x2	M65x2	2	4g6g	64.962	64.682	63.663	63.551	62.797	62.319
65	M65x1.5	M65x1.5	1.5	4g6g	64.968	64.732	63.994	63.894	63.344	62.970
68	M68x6	M68x6	6	4g6g	67.920	67.320	64.023	63.843	61.425	60.147
68	M68x4	M68x4	4	4g6g	67.940	67.465	65.342	65.192	63.610	62.728
68	M68x3	M68x3	3	4g6g	67.952	67.577	66.003	65.871	64.704	64.023
68	M68x2	M68x2	2	4g6g	67.962	67.682	66.663	66.551	65.797	65.319
68	M68x1.5	M68x1.5	1.5	4g6g	67.968	67.732	66.994	66.894	66.344	65.970
68	M68x1	M68x1	1	4g6g	67.974	67.794	67.324	67.234	66.891	66.618
70	M70x6	M70x6	6	4g6g	69.920	69.320	66.023	65.843	63.425	62.147
70	M70x4	M70x4	4	4g6g	69.940	69.465	67.342	67.192	65.610	64.728
70	M70x3	M70x3	3	4g6g	69.952	69.577	68.003	67.871	66.704	66.023
70	M70x2	M70x2	2	4g6g	69.962	69.682	68.663	68.551	67.797	67.319
70	M70x1.5	M70x1.5	1.5	4g6g	69.968	69.732	68.994	68.894	68.344	67.970
72	M72x6	M72x6	6	4g6g	71.920	71.320	68.023	67.843	65.425	64.147
72	M72x4	M72x4	4	4g6g	71.940	71.465	69.342	69.192	67.610	66.728
72	M72x3	M72x3	3	4g6g	71.952	71.577	70.003	69.871	68.704	68.023
72	M72x2	M72x2	2	4g6g	71.962	71.682	70.663	70.551	69.797	69.319
72	M72x1.5	M72x1.5	1.5	4g6g	71.968	71.732	70.994	70.894	70.344	69.970
72	M72x1	M72x1	1	4g6g	71.974	71.794	71.324	71.234	70.891	70.618
75	M75x6	M75x6	6	4g6g	74.920	74.320	71.023	70.843	68.425	67.147
75	M75x4	M75x4	4	4g6g	74.940	74.465	72.342	72.192	70.610	69.728
75	M75x3	M75x3	3	4g6g	74.952	74.577	73.003	72.871	71.704	71.023
75	M75x2	M75x2	2	4g6g	74.962	74.682	73.663	73.551	72.797	72.319
75	M75x1.5	M75x1.5	1.5	4g6g	74.968	74.732	73.994	73.894	73.344	72.970
76	M76x6	M76x6	6	4g6g	75.920	75.320	72.023	71.843	69.425	68.147
76	M76x4	M76x4	4	4g6g	75.940	75.465	73.342	73.192	71.610	70.728
76	M76x3	M76x3	3	4g6g	75.952	75.577	74.003	73.871	72.704	72.023
76	M76x2	M76x2	2	4g6g	75.962	75.682	74.663	74.551	73.797	73.319
76	M76x1.5	M76x1.5	1.5	4g6g	75.968	75.732	74.994	74.894	74.344	73.970
76	M76x1	M76x1	1	4g6g	75.974	75.794	75.324	75.234	74.891	74.618
78	M78x2	M78x2	2	4g6g	77.962	77.682	76.663	76.551	75.797	75.319
80	M80x6	M80x6	6	4g6g	79.920	79.320	76.023	75.843	73.425	72.147
80	M80x4	M80x4	4	4g6g	79.940	79.340	77.342	77.192	75.610	74.728
80	M80x3	M80x3	3	4g6g	79.952	79.577	78.003	77.871	76.704	76.023
80	M80x2	M80x2	2	4g6g	79.962	79.682	78.663	78.551	77.797	77.319
80	M80x1.5	M80x1.5	1.5	4g6g	79.968	79.732	78.994	78.894	78.334	77.970
80	M80x1	M80x1	1	4g6g	79.974	79.794	79.324	79.234	78.891	78.618
82	M82x2	M82x2	2	4g6g	81.962	81.682	80.663	80.551	79.797	79.319
85	M85x6	M85x6	6	4g6g	84.920	84.320	81.023	80.843	78.425	77.147
85	M85x4	M85x4	4	4g6g	84.940	84.465	82.342	82.192	80.610	79.728
85	M85x3	M85x3	3	4g6g	84.952	84.577	83.003	82.871	81.704	81.023
85	M85x2	M85x2	2	4g6g	84.962	84.682	83.663	83.551	82.797	82.319
85	M85x1.5	M85x1.5	1.5	4g6g	84.968	84.732	83.994	83.894	83.344	82.970
90	M90x6	M90x6	6	4g6g	89.920	89.320	86.023	85.843	83.425	82.147
90	M90x4	M90x4	4	4g6g	89.940	89.465	87.342	87.192	85.610	84.728
90	M90x3	M90x3	3	4g6g	89.952	89.577	88.003	87.871	86.704	86.023
90	M90x2	M90x2	2	4g6g	89.962	89.682	88.663	88.551	87.797	87.319
90	M90x1.5	M90x1.5	1.5	4g6g	89.968	89.732	88.994	88.894	88.344	87.970
95	M95x6	M95x6	6	4g6g	94.920	94.320	91.023	90.833	88.425	87.137
95	M95x4	M95x4	4	4g6g	94.940	94.465	92.342	92.182	90.610	89.718
95	M95x3	M95x3	3	4g6g	94.952	94.577	93.003	92.863	91.704	91.015
95	M95x2	M95x2	2	4g6g	94.962	94.682	93.663	93.545	92.797	92.313
95	M95x1.5	M95x1.5	1.5	4g6g	94.968	94.732	93.994	93.882	93.344	92.958

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

100	M100x6	M100x6	6	4g6g	99.920	99.320	96.023	95.833	93.425	92.137
100	M100x4	M100x4	4	4g6g	99.940	99.465	97.342	97.182	95.610	94.718
100	M100x3	M100x3	3	4g6g	99.952	99.577	98.003	97.863	96.704	96.015
100	M100x2	M100x2	2	4g6g	99.962	99.682	98.663	98.545	97.797	97.313
100	M100x1.5	M100x1.5	1.5	4g6g	99.968	99.732	98.994	98.882	98.344	97.958
105	M105x6	M105x6	6	4g6g	104.920	104.320	101.023	100.833	98.425	97.137
105	M105x4	M105x4	4	4g6g	104.940	104.465	102.342	102.182	100.610	99.718
105	M105x3	M105x3	3	4g6g	104.952	104.577	103.003	102.863	101.704	101.015
105	M105x2	M105x2	2	4g6g	104.962	104.682	103.663	103.545	102.797	102.313
105	M105x1.5	M105x1.5	1.5	4g6g	104.968	104.732	103.994	103.882	103.344	102.958
110	M110x6	M110x6	6	4g6g	109.920	109.320	106.023	105.833	103.425	102.137
110	M110x4	M110x4	4	4g6g	109.940	109.465	107.342	107.182	105.610	104.718
110	M110x3	M110x3	3	4g6g	109.952	109.577	108.003	107.863	106.704	106.015
110	M110x2	M110x2	2	4g6g	109.962	109.682	108.663	108.545	107.797	107.313
110	M110x1.5	M110x1.5	1.5	4g6g	109.968	109.732	108.994	108.882	108.344	107.958
115	M115x6	M115x6	6	4g6g	114.920	114.320	111.023	110.833	108.425	107.137
115	M115x4	M115x4	4	4g6g	114.940	114.465	112.342	112.182	110.610	109.718
115	M115x3	M115x3	3	4g6g	114.952	114.577	113.003	112.863	111.704	111.015
115	M115x2	M115x2	2	4g6g	114.962	114.682	113.663	113.543	112.797	112.311
115	M115x1.5	M115x1.5	1.5	4g6g	114.968	114.732	113.994	113.882	113.344	112.958
120	M120x6	M120x6	6	4g6g	119.920	119.320	116.023	115.833	113.425	112.137
120	M120x4	M120x4	4	4g6g	119.940	119.465	117.342	117.182	115.610	114.718
120	M120x3	M120x3	3	4g6g	119.952	119.577	118.003	117.863	116.704	116.015
120	M120x2	M120x2	2	4g6g	119.962	119.682	118.663	118.545	117.797	117.313
120	M120x1.5	M120x1.5	1.5	4g6g	119.968	119.732	118.994	118.882	118.344	117.958
125	M125x8	M125x8	8	4g6g	124.900	124.190	119.704	119.492	116.240	114.564
125	M125x6	M125x6	6	4g6g	124.920	124.320	121.023	120.833	118.425	117.137
125	M125x4	M125x4	4	4g6g	124.940	124.465	122.342	122.182	120.610	119.718
125	M125x3	M125x3	3	4g6g	124.952	124.577	123.003	122.863	121.704	121.015
125	M125x2	M125x2	2	4g6g	124.962	124.682	123.663	123.543	122.797	122.311
125	M125x1.5	M125x1.5	1.5	4g6g	124.968	124.732	123.994	123.882	123.344	122.958
130	M130x8	M130x8	8	4g6g	129.900	129.190	124.704	124.492	121.240	119.564
130	M130x6	M130x6	6	4g6g	129.920	129.320	126.023	125.833	123.425	122.137
130	M130x4	M130x4	4	4g6g	129.940	129.465	127.342	127.182	125.610	124.718
130	M130x3	M130x3	3	4g6g	129.952	129.577	128.003	127.863	126.704	126.015
130	M130x2	M130x2	2	4g6g	129.962	129.682	128.663	128.545	127.797	127.313
130	M130x1.5	M130x1.5	1.5	4g6g	129.968	129.732	128.994	128.882	128.344	127.958
135	M135x6	M135x6	6	4g6g	134.920	134.320	131.023	130.833	128.425	127.137
135	M135x4	M135x4	4	4g6g	134.940	134.465	132.342	132.182	130.610	129.718
135	M135x3	M135x3	3	4g6g	134.952	134.577	133.003	132.863	131.704	131.015
135	M135x2	M135x2	2	4g6g	134.962	134.682	133.663	133.543	132.797	132.311
135	M135x1.5	M135x1.5	1.5	4g6g	134.968	134.732	133.994	133.882	133.344	132.958
140	M140x8	M140x8	8	4g6g	139.900	139.190	134.704	134.492	131.240	129.564
140	M140x6	M140x6	6	4g6g	139.920	139.320	136.023	135.833	133.425	132.137
140	M140x4	M140x4	4	4g6g	139.940	139.465	137.342	137.182	135.610	134.718
140	M140x3	M140x3	3	4g6g	139.952	139.577	138.003	137.863	136.704	136.015
140	M140x2	M140x2	2	4g6g	139.962	139.682	138.663	138.545	137.797	137.313
140	M140x1.5	M140x1.5	1.5	4g6g	139.968	139.732	138.994	138.882	138.344	137.958
145	M145x6	M145x6	6	4g6g	144.920	144.320	141.023	140.833	138.425	137.137
145	M145x4	M145x4	4	4g6g	144.940	144.465	142.342	142.182	140.610	139.718
145	M145x3	M145x3	3	4g6g	144.952	144.577	143.003	142.863	141.704	141.015
145	M145x2	M145x2	2	4g6g	144.962	144.682	143.663	143.543	142.797	142.311
145	M145x1.5	M145x1.5	1.5	4g6g	144.968	144.732	143.994	143.882	143.344	142.958
150	M150x8	M150x8	8	4g6g	149.900	149.190	144.704	144.492	141.240	139.564

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

150	M150x6	M150x6	6	4g6g	149.920	149.320	146.023	145.833	143.425	142.137
150	M150x4	M150x4	4	4g6g	149.940	149.465	147.342	147.182	145.610	144.718
150	M150x3	M150x3	3	4g6g	149.952	149.577	148.003	147.863	146.704	146.015
150	M150x2	M150x2	2	4g6g	149.962	149.682	148.663	148.545	147.797	147.313
150	M150x1.5	M150x1.5	1.5	4g6g	149.968	149.732	148.994	148.882	148.344	147.958
155	M155x6	M155x6	6	4g6g	154.920	154.320	151.023	150.833	148.425	147.137
155	M155x4	M155x4	4	4g6g	154.940	154.465	152.342	152.182	150.610	149.718
155	M155x3	M155x3	3	4g6g	154.952	154.577	153.003	152.863	151.704	151.015
155	M155x2	M155x2	2	4g6g	154.962	154.682	153.663	153.543	152.797	152.311
160	M160x8	M160x8	8	4g6g	159.900	159.190	154.704	154.492	151.240	149.564
160	M160x6	M160x6	6	4g6g	159.920	159.320	156.023	155.833	153.425	152.137
160	M160x4	M160x4	4	4g6g	159.940	159.465	157.342	157.182	155.610	154.718
160	M160x3	M160x3	3	4g6g	159.952	159.577	158.003	157.863	156.704	156.015
160	M160x2	M160x2	2	4g6g	159.962	159.682	158.663	158.543	157.797	157.311
165	M165x6	M165x6	6	4g6g	164.920	164.320	161.023	160.833	158.425	157.137
165	M165x4	M165x4	4	4g6g	164.940	164.465	162.342	162.182	160.610	159.718
165	M165x3	M165x3	3	4g6g	164.952	164.577	163.003	162.863	161.704	161.015
165	M165x2	M165x2	2	4g6g	164.962	164.682	163.663	163.543	162.797	162.311
170	M170x8	M170x8	8	4g6g	169.900	169.190	164.704	164.492	161.240	159.564
170	M170x6	M170x6	6	4g6g	169.920	169.320	166.023	165.833	163.425	162.137
170	M170x4	M170x4	4	4g6g	169.940	169.465	167.342	167.182	165.610	164.718
170	M170x3	M170x3	3	4g6g	169.952	169.577	168.003	167.863	166.704	166.015
170	M170x2	M170x2	2	4g6g	169.962	169.682	168.663	168.543	167.797	167.311
175	M175x6	M175x6	6	4g6g	174.920	174.320	171.023	170.833	168.425	167.137
175	M175x4	M175x4	4	4g6g	174.940	174.465	172.342	172.182	170.610	169.718
175	M175x3	M175x3	3	4g6g	174.952	174.577	173.003	172.862	171.704	171.014
175	M175x2	M175x2	2	4g6g	174.962	174.682	173.663	173.543	172.797	172.311
180	M180x8	M180x8	8	4g6g	179.900	179.190	174.704	174.492	171.240	169.564
180	M180x6	M180x6	6	4g6g	179.920	179.320	176.023	175.833	173.425	172.137
180	M180x4	M180x4	4	4g6g	179.940	179.465	177.342	177.182	175.610	174.718
180	M180x3	M180x3	3	4g6g	179.952	179.577	178.003	177.863	176.704	176.015
180	M180x2	M180x2	2	4g6g	179.962	179.682	178.663	178.543	177.797	177.311
185	M185x6	M185x6	6	4g6g	184.920	184.320	181.023	180.823	178.425	177.127
185	M185x4	M185x4	4	4g6g	184.940	184.465	182.342	182.162	180.610	179.698
185	M185x3	M185x3	3	4g6g	184.952	184.577	183.003	182.843	181.704	180.995
185	M185x2	M185x2	2	4g6g	184.962	184.682	183.663	183.531	182.797	182.299
190	M190x8	M190x8	8	4g6g	189.900	189.190	184.704	184.480	181.240	179.552
190	M190x6	M190x6	6	4g6g	189.920	189.320	186.023	185.823	183.425	182.127
190	M190x4	M190x4	4	4g6g	189.940	189.465	187.342	187.162	185.610	184.698
190	M190x3	M190x3	3	4g6g	189.952	189.577	188.003	187.843	186.704	185.995
190	M190x2	M190x2	2	4g6g	189.962	189.682	188.663	188.531	187.797	187.299
195	M195x6	M195x6	6	4g6g	194.920	194.320	191.023	190.823	188.425	187.127
195	M195x4	M195x4	4	4g6g	194.940	194.465	192.342	192.162	190.610	189.698
195	M195x3	M195x3	3	4g6g	194.952	194.577	193.003	192.843	191.704	190.995
195	M195x2	M195x2	2	4g6g	194.962	194.682	193.663	193.531	192.797	192.299
200	M200x8	M200x8	8	4g6g	199.900	199.190	194.704	194.480	191.240	189.552
200	M200x6	M200x6	6	4g6g	199.920	199.320	196.023	195.823	193.425	192.127
200	M200x4	M200x4	4	4g6g	199.940	199.465	197.342	197.162	195.610	194.698
200	M200x3	M200x3	3	4g6g	199.952	199.577	198.003	197.843	196.704	195.995
200	M200x2	M200x2	2	4g6g	199.962	199.682	198.663	198.531	197.797	197.299
205	M205x6	M205x6	6	4g6g	204.920	204.320	201.023	200.823	198.425	197.127
205	M205x4	M205x4	4	4g6g	204.940	204.465	202.342	202.162	200.610	199.698
205	M205x3	M205x3	3	4g6g	204.952	204.577	203.003	202.843	201.704	200.995
205	M205x2	M205x2	2	4g6g	204.962	204.682	203.663	203.531	202.797	202.299

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

210	M210x8	M210x8	8	4g6g	209.900	209.190	204.704	204.480	201.240	199.552
210	M210x6	M210x6	6	4g6g	209.920	209.320	206.023	205.823	203.425	202.127
210	M210x4	M210x4	4	4g6g	209.940	209.465	207.342	207.162	205.610	204.698
210	M210x3	M210x3	3	4g6g	209.952	209.577	208.003	207.843	206.704	205.995
210	M210x2	M210x2	2	4g6g	209.962	209.682	208.663	208.531	207.797	207.299
215	M215x6	M215x6	6	4g6g	214.920	214.320	211.023	210.823	208.425	207.127
215	M215x4	M215x4	4	4g6g	214.940	214.465	212.342	212.162	210.610	209.698
215	M215x3	M215x3	3	4g6g	214.952	214.577	213.003	212.843	211.704	210.995
220	M220x8	M220x8	8	4g6g	219.900	219.190	214.704	214.480	211.240	209.552
220	M220x6	M220x6	6	4g6g	219.920	219.320	216.023	215.823	213.425	212.127
220	M220x4	M220x4	4	4g6g	219.940	219.465	217.342	217.162	215.610	214.698
220	M220x3	M220x3	3	4g6g	219.952	219.577	218.003	217.843	216.704	215.995
220	M220x2	M220x2	2	4g6g	219.962	219.682	218.663	218.531	217.797	217.299
225	M225x6	M225x6	6	4g6g	224.920	224.545	221.023	220.823	218.425	217.127
225	M225x4	M225x4	4	4g6g	224.940	224.465	222.342	222.162	220.610	219.698
225	M225x3	M225x3	3	4g6g	224.952	224.577	223.003	222.843	221.704	220.995
225	M225x2	M225x2	2	4g6g	224.962	224.682	223.663	223.531	222.797	222.299
230	M230x6	M230x6	6	4g6g	229.920	229.320	226.023	225.823	223.425	222.127
230	M230x4	M230x4	4	4g6g	229.940	229.465	227.342	227.162	225.610	224.698
230	M230x3	M230x3	3	4g6g	229.952	229.577	228.003	227.843	226.704	225.995
230	M230x2	M230x2	2	4g6g	229.962	229.682	228.663	228.531	227.797	227.299
235	M235x6	M235x6	6	4g6g	234.920	234.320	231.023	230.799	228.425	227.103
235	M235x4	M235x4	4	4g6g	234.940	234.465	232.342	232.162	230.610	229.698
235	M235x3	M235x3	3	4g6g	234.952	234.577	233.003	232.843	231.704	230.995
240	M240x8	M240x8	8	4g6g	239.900	239.190	234.704	234.480	231.240	229.552
240	M240x6	M240x6	6	4g6g	239.920	239.320	236.023	235.823	233.425	232.127
240	M240x4	M240x4	4	4g6g	239.940	239.465	237.342	237.162	235.610	234.698
240	M240x3	M240x3	3	4g6g	239.952	239.577	238.003	237.843	236.704	235.995
240	M240x2	M240x2	2	4g6g	239.962	239.682	238.663	238.531	237.797	237.299
245	M245x6	M245x6	6	4g6g	244.920	244.320	241.023	240.823	238.425	237.127
245	M245x4	M245x4	4	4g6g	244.940	244.465	242.342	242.162	240.610	239.698
245	M245x3	M245x3	3	4g6g	244.952	244.577	243.003	242.843	241.704	240.995
245	M245x2	M245x2	2	4g6g	244.962	244.682	243.663	243.531	242.797	242.299
250	M250x8	M250x8	8	4g6g	249.900	249.190	244.704	244.480	241.240	239.552
250	M250x6	M250x6	6	4g6g	249.920	249.320	246.023	245.823	243.425	242.127
250	M250x4	M250x4	4	4g6g	249.940	249.465	247.342	247.162	245.610	244.698
250	M250x3	M250x3	3	4g6g	249.952	249.577	248.003	247.843	246.704	245.995
250	M250x2	M250x2	2	4g6g	249.962	249.682	248.663	248.531	247.797	247.299
255	M255x6	M255x6	6	4g6g	254.920	254.320	251.023	250.799	248.425	247.103
255	M255x4	M255x4	4	4g6g	254.940	254.465	252.342	252.162	250.610	249.698
255	M255x3	M255x3	3	4g6g	254.952	254.577	253.003	252.843	251.704	250.995
260	M260x8	M260x8	8	4g6g	259.900	259.190	254.704	254.480	251.240	249.552
260	M260x6	M260x6	6	4g6g	259.920	259.320	256.023	255.823	253.425	252.127
260	M260x4	M260x4	4	4g6g	259.940	259.465	257.342	257.162	255.610	254.698
260	M260x3	M260x3	3	4g6g	259.952	259.577	258.003	257.843	256.704	255.995
265	M265x6	M265x6	6	4g6g	264.920	264.320	261.023	260.823	258.425	257.127
265	M265x4	M265x4	4	4g6g	264.940	264.465	262.342	262.162	260.610	259.698
265	M265x3	M265x3	3	4g6g	264.952	264.577	263.003	262.843	261.704	260.995
270	M270x6	M270x6	6	4g6g	269.920	269.320	266.023	265.823	263.425	262.127
270	M270x4	M270x4	4	4g6g	269.940	269.465	267.342	267.162	265.610	264.698
270	M270x3	M270x3	3	4g6g	269.952	269.577	268.003	267.843	266.704	265.995
275	M275x6	M275x6	6	4g6g	274.920	274.320	271.023	270.823	268.425	267.127
275	M275x4	M275x4	4	4g6g	274.940	274.465	272.342	272.162	270.610	269.698
275	M275x3	M275x3	3	4g6g	274.952	274.577	273.003	272.843	271.704	270.995

METRIC THREAD -- EXTENDED THREAD SIZE RANGE

280	M280x8	M280x8	8	4g6g	279.900	279.190	274.704	274.480	271.240	269.552
280	M280x6	M280x6	6	4g6g	279.920	279.320	276.023	275.823	273.425	272.127
280	M280x4	M280x4	4	4g6g	279.940	279.465	277.342	277.162	275.610	274.698
280	M280x3	M280x3	3	4g6g	279.952	279.577	278.003	277.843	276.704	275.995
285	M285x6	M285x6	6	4g6g	284.920	284.320	281.023	280.823	278.425	277.127
285	M285x4	M285x4	4	4g6g	284.940	284.465	282.342	282.162	280.610	279.698
285	M285x3	M285x3	3	4g6g	284.952	284.577	283.003	282.843	281.704	280.995
290	M290x6	M290x6	6	4g6g	289.920	289.320	286.023	285.823	283.425	282.127
290	M290x4	M290x4	4	4g6g	289.940	289.465	287.342	287.162	285.610	284.698
290	M290x3	M290x3	3	4g6g	289.952	289.577	288.003	287.843	286.704	285.995
295	M295x6	M295x6	6	4g6g	294.920	294.320	291.023	290.823	288.425	287.127
295	M295x4	M295x4	4	4g6g	294.940	294.465	292.342	292.162	290.610	289.698
295	M295x3	M295x3	3	4g6g	294.952	294.577	293.003	292.843	291.704	290.995
300	M300x8	M300x8	8	4g6g	299.900	299.190	294.704	294.480	291.240	289.552
300	M300x6	M300x6	6	4g6g	299.920	299.320	296.023	295.823	293.425	292.127
300	M300x4	M300x4	4	4g6g	299.940	299.465	297.342	297.162	295.610	294.698
300	M300x3	M300x3	3	4g6g	299.952	299.577	298.003	297.843	296.704	295.995
310	M310x6	M310x6	6	4g6g	309.920	309.320	306.023	305.823	303.425	302.127
310	M310x4	M310x4	4	4g6g	309.940	309.465	307.342	307.162	305.610	304.698
320	M320x6	M320x6	6	4g6g	319.920	319.320	316.023	315.823	313.425	312.127
320	M320x4	M320x4	4	4g6g	319.940	319.465	317.342	317.162	315.610	314.698
330	M330x6	M330x6	6	4g6g	329.920	329.320	326.023	325.823	323.425	322.127
330	M330x4	M330x4	4	4g6g	329.940	329.465	327.342	327.162	325.610	324.698
340	M340x6	M340x6	6	4g6g	339.920	339.320	336.023	335.823	333.425	332.127
340	M340x4	M340x4	4	4g6g	339.940	339.465	337.342	337.162	335.610	334.698
350	M350x6	M350x6	6	4g6g	349.920	349.320	346.023	345.823	343.425	342.127
350	M350x4	M350x4	4	4g6g	349.940	349.465	347.342	347.162	345.610	344.698
360	M360x6	M360x6	6	4g6g	359.920	359.320	356.023	355.799	353.425	352.103
360	M360x4	M360x4	4	4g6g	359.940	359.465	357.342	357.152	355.610	354.688
370	M370x6	M370x6	6	4g6g	369.920	369.320	366.023	365.799	363.425	362.103
370	M370x4	M370x4	4	4g6g	369.940	369.465	367.342	367.152	365.610	364.688
380	M380x6	M380x6	6	4g6g	379.920	379.320	376.023	375.799	373.425	372.103
380	M380x4	M380x4	4	4g6g	379.940	379.465	377.342	377.152	375.610	374.688
390	M390x6	M390x6	6	4g6g	389.920	389.320	386.023	385.799	383.425	382.103
390	M390x4	M390x4	4	4g6g	389.940	389.465	387.342	387.152	385.610	384.688
400	M400x6	M400x6	6	4g6g	399.920	399.320	396.023	395.799	393.425	392.103
400	M400x4	M400x4	4	4g6g	399.940	399.465	397.342	397.152	395.610	394.688
410	M410x6	M410x6	6	4g6g	409.920	409.320	406.023	405.799	403.425	402.103
420	M420x6	M420x6	6	4g6g	419.920	419.320	416.023	415.799	413.425	412.103
430	M430x6	M430x6	6	4g6g	429.920	429.320	426.023	425.799	423.425	422.103
440	M440x6	M440x6	6	4g6g	439.920	439.320	436.023	435.799	433.425	432.103
450	M450x6	M450x6	6	4g6g	449.920	449.320	446.023	445.799	443.425	442.103
460	M460x6	M460x6	6	4g6g	459.920	459.320	456.023	455.799	453.425	452.103
470	M470x6	M470x6	6	4g6g	469.920	469.320	466.023	465.799	463.425	462.103
480	M480x6	M480x6	6	4g6g	479.920	479.320	476.023	475.799	473.425	472.103
490	M490x6	M490x6	6	4g6g	489.920	489.320	486.023	485.799	483.425	482.103
500	M500x6	M500x6	6	4g6g	499.920	499.320	496.023	495.799	493.425	492.103
510	M510x6	M510x6	6	4g6g	509.920	509.320	506.023	505.799	503.425	502.103
520	M520x6	M520x6	6	4g6g	519.920	519.320	516.023	515.799	513.425	512.103
530	M530x6	M530x6	6	4g6g	529.920	529.320	526.023	525.799	523.425	522.103
540	M540x6	M540x6	6	4g6g	539.920	539.320	536.023	535.799	533.425	532.103
550	M550x6	M550x6	6	4g6g	549.920	549.320	546.023	545.799	543.425	542.103
560	M560x6	M560x6	6	4g6g	559.920	559.320	556.023	555.799	553.425	552.103
570	M570x6	M570x6	6	4g6g	569.920	569.320	566.023	565.799	563.425	562.103

580	M580x6	M580x6	6	4g6g	579.920	579.320	576.023	575.799	573.425	572.103
590	M590x6	M590x6	6	4g6g	589.920	589.320	586.023	585.799	583.425	582.103
600	M600x6	M600x6	6	4g6g	599.920	599.320	596.023	595.799	593.425	592.103

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