

MARYLAND METRICS

P.O.Box 261 Owings Mills, MD 21117 USA

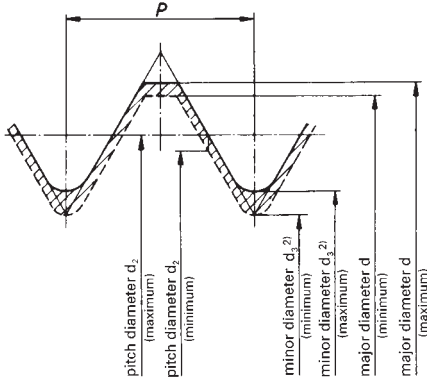
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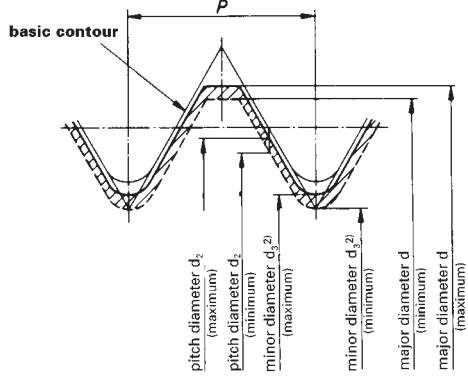
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TECHNICAL INFORMATION and DATA

Bolt thread



Bolt thread with deviation h



Bolt thread with deviation g

Bolt thread with tolerance class 6g resp. 6h (tolerance quality: medium)

Bolt thread M 1 to M 1,4 are tolerance class 6h.

Bolt thread M 1,6 to M 39 are tolerance class 6g.

Limits of sizes for coarse threads

Thread size	Length of normal thread engagement		Major diameter		Pitch diameter		Minor diameter ²⁾	
	from	to	maximum	minimum	maximum	minimum	maximum	minimum
M 1	0,6	1,7	1,000	0,933	0,838	0,785	0,693	0,630
M 1,2	0,6	1,7	1,200	1,133	1,038	0,985	0,893	0,830
M 1,4	0,7	2	1,400	1,325	1,205	1,149	1,032	0,964
M 1,6	0,8	2,6	1,581	1,496	1,354	1,291	1,151	1,075
M 1,8	0,8	2,6	1,781	1,696	1,554	1,491	1,352	1,275
M 2	1	3	1,981	1,886	1,721	1,654	1,490	1,407
M 2,5	1,3	3,8	2,480	2,380	2,188	2,117	1,928	1,840
M 3	1,5	4,5	2,980	2,874	2,655	2,580	2,367	2,273
M 3,5	1,7	5	3,479	3,354	3,089	3,004	2,743	2,635
M 4	2	6	3,978	3,838	3,523	3,433	3,119	3,002
M 5	2,5	7,5	4,976	4,826	4,456	4,361	3,995	3,869
M 6	3	9	5,974	5,794	5,324	5,212	4,747	4,596
M 7	3	9	6,974	6,794	6,324	6,212	5,747	5,596
M 8	4	12	7,972	7,760	7,160	7,042	6,438	6,272
M 10	5	15	9,968	9,732	8,994	8,862	8,128	7,938
M 12	6	18	11,966	11,701	10,829	10,679	9,819	9,602
M 14	8	24	13,962	13,682	12,663	12,503	11,508	11,271
M 16	8	24	15,962	15,682	14,663	14,503	13,508	13,271
M 18	10	30	17,958	17,623	16,334	16,164	14,891	14,625
M 20	10	30	19,958	19,623	18,334	18,164	16,891	16,625
M 22	10	30	21,958	21,623	20,334	20,164	18,891	18,625
M 24	12	36	23,952	23,577	22,003	21,803	20,271	19,955
M 27	12	36	26,952	26,577	25,003	24,803	23,271	22,955
M 30	15	45	29,947	29,522	27,674	27,462	25,653	25,306
M 33	15	45	32,947	32,522	30,674	30,462	28,653	28,306
M 36	18	53	35,940	35,465	33,342	33,118	31,033	30,655
M 39	18	53	38,940	38,465	36,342	36,118	34,033	33,655

²⁾ maximum calculated as $R = 0,144 P = H/6$, minimum as $R_{\min} = 0,125 P < H/7$ (see DIN 13 part 14)