



Nominal thread-Ø	Gradient P	Bolt thread 6g						Nut thread 6H					
		Major-Ø d		Pitch-Ø d ₂		Minor-Ø d ₁		Major-Ø D		Pitch-Ø D ₂		Minor-Ø D ₁	
		max.	min.	max.	min.	max.	min.	min.	max.	min.	max.	min.	max.
M 3	0,5	2,980	2,874	2,655	2,580	2,367	2,273	3,000	not specified	2,675	2,775	2,459	2,599
M 4	0,7	3,978	3,838	3,523	3,433	3,119	3,002	4,000		3,545	3,663	3,242	3,422
M 5	0,8	4,976	4,826	4,456	4,361	3,995	3,869	5,000		4,480	4,605	4,134	4,334
M 6	1	5,974	5,794	5,324	5,212	4,747	4,596	6,000		5,350	5,500	4,917	5,153
M 8	1,25	7,972	7,760	7,160	7,042	6,438	6,272	8,000		7,188	7,348	6,647	6,912
M 10	1,5	9,968	9,732	8,994	8,862	8,128	7,938	10,000		9,026	9,206	8,376	8,676
M 12	1,75	11,966	11,701	10,829	10,679	9,819	9,602	12,000		10,863	11,063	10,106	10,441
M 14	2	13,962	13,682	12,663	12,503	11,508	11,271	14,000		12,701	12,913	11,835	12,210
M 16	2	15,962	15,682	14,663	14,503	13,508	13,274	16,000		14,701	14,913	13,835	14,210
M 20	2,5	19,958	19,623	18,334	18,164	16,891	16,625	20,000		18,376	18,600	17,294	17,744
M 24	3	23,952	23,577	22,003	21,803	20,271	19,955	24,000	22,051	22,316	20,752	21,252	

Description

The limiting sizes for standard threads given in the table comply with

- tolerance field **6g** for bolt threads
- tolerance field **6H** for nut threads.

The metric steel and metal threads specified in this catalogue are based on the tolerance fields given above.

For threads with special surface finishes or heat treatment (e.g. sandblasting, plastic coatings, zinc plating, tempering, etc.), it may not be possible to comply with the listed tolerance ranges in individual cases for technical process reasons. However, this has no negative impact on the function since the threads will still match the corresponding screws or nuts.

For threads in plastic standard parts (without steel or metallic thread insert) this tolerances can as a rule not be maintained for production-orientated reasons.

