



| 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.

On threads that are finished via galvanization or heat treatment, 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.