



| 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 2,5 | 0,45 | 2,480 | 2,380 | 2,188 | 2,117 | 1,928 | 1,840 | 2,500 | not specified | 2,208 | 2,303 | 2,013 | 2,138 |
| M 3 | 0,5 | 2,980 | 2,874 | 2,655 | 2,580 | 2,367 | 2,273 | 3,000 | | 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 limit dimensions for standard threads given in the table correspond to the

- Tolerance field 6g for bolt threads
- Tolerance field 6H for nut threads.

The metric steel / metal threads specified in this catalog are based on these tolerance fields.

For threads on standard parts that have undergone surface or heat treatment, such as sandblasting, coating, zinc plating or tempering it is possible, for technical reasons, that the specified tolerance ranges may not be met. However, this does not have any negative impact on the function since the threads will still fit the corresponding screws or nuts.

For threads in plastic standard parts (without steel or metallic thread insert), these tolerances can usually not be maintained for manufacturing reasons.

