



| Gewinde-Nenn-Ø | Steigung P | Bolzensgewinde 6g | | | | | | Muttergewinde 6H | | | | | |
|----------------|------------|-------------------|--------|--------------------------|--------|-----------------------|--------|------------------|----------------------|--------------------------|--------|-----------------------|--------|
| | | Außen-Ø d | | Flanken-Ø d ₂ | | Kern-Ø d ₁ | | Außen-Ø D | | Flanken-Ø D ₂ | | Kern-Ø D ₁ | |
| | | max. | min. | max. | min. | max. | min. | min. | max. | min. | max. | min. | max. |
| M 5 | 0,5 | 4,980 | 4,874 | 4,655 | 4,580 | 4,367 | 4,273 | 5,000 | | 4,675 | 4,775 | 4,459 | 4,599 |
| M 6 | 0,5 | 5,980 | 5,874 | 5,655 | 5,570 | 5,367 | 5,263 | 6,000 | | 5,675 | 5,787 | 5,459 | 5,599 |
| M 8 | 0,5 | 7,980 | 7,874 | 7,655 | 7,570 | 7,367 | 7,263 | 8,000 | | 7,675 | 7,787 | 7,459 | 7,599 |
| M 10 | 0,5 | 9,980 | 9,874 | 9,655 | 9,570 | 9,367 | 9,263 | 10,000 | | 9,675 | 9,787 | 9,459 | 9,599 |
| M 12 | 0,5 | 11,980 | 11,874 | 11,655 | 11,565 | 11,367 | 11,258 | 12,000 | | 11,675 | 11,793 | 11,459 | 11,599 |
| M 6 | 0,75 | 5,978 | 5,838 | 5,491 | 5,391 | 5,058 | 4,929 | 6,000 | | 5,513 | 5,645 | 5,188 | 5,378 |
| M 8 | 0,75 | 7,978 | 7,838 | 7,491 | 7,391 | 7,058 | 6,929 | 8,000 | | 7,513 | 7,645 | 7,188 | 7,378 |
| M 10 | 0,75 | 9,978 | 9,838 | 9,491 | 9,391 | 9,058 | 8,929 | 10,000 | | 9,513 | 9,645 | 9,188 | 9,378 |
| M 12 | 0,75 | 11,978 | 11,838 | 11,491 | 11,385 | 11,058 | 10,923 | 12,000 | | 11,513 | 11,653 | 11,188 | 11,378 |
| M 16 | 0,75 | 15,978 | 15,838 | 15,491 | 15,385 | 15,058 | 14,923 | 16,000 | | 15,513 | 15,653 | 15,188 | 15,378 |
| M 8 | 1 | 7,974 | 7,794 | 7,324 | 7,212 | 6,747 | 6,596 | 8,000 | | 7,350 | 7,500 | 6,917 | 7,153 |
| M 10 | 1 | 9,974 | 9,794 | 9,324 | 9,212 | 8,747 | 8,596 | 10,000 | | 9,350 | 9,500 | 8,917 | 9,153 |
| M 12 | 1 | 11,974 | 11,794 | 11,324 | 11,206 | 10,747 | 10,590 | 12,000 | | 11,350 | 11,510 | 10,917 | 11,153 |
| M 16 | 1 | 15,974 | 15,794 | 15,324 | 15,206 | 14,747 | 14,590 | 16,000 | | 15,350 | 15,510 | 14,917 | 15,153 |
| M 20 | 1 | 19,974 | 19,794 | 19,324 | 19,206 | 18,747 | 18,590 | 20,000 | | 19,350 | 19,510 | 18,917 | 19,153 |
| M 12 | 1,5 | 11,968 | 11,732 | 10,994 | 10,854 | 10,128 | 9,930 | 12,000 | nicht vorgeschrieben | 11,026 | 11,216 | 10,376 | 10,676 |
| M 14 | 1,5 | 13,968 | 13,732 | 12,994 | 12,854 | 12,128 | 11,930 | 14,000 | | 13,026 | 13,216 | 12,376 | 12,676 |
| M 16 | 1,5 | 15,968 | 15,732 | 14,994 | 14,854 | 14,128 | 13,930 | 16,000 | | 15,026 | 15,216 | 14,376 | 14,676 |
| M 18 | 1,5 | 17,968 | 17,732 | 16,994 | 16,854 | 16,128 | 15,930 | 18,000 | | 17,026 | 17,216 | 16,376 | 16,676 |
| M 20 | 1,5 | 19,968 | 19,732 | 18,994 | 18,854 | 18,128 | 17,930 | 20,000 | | 19,026 | 19,216 | 18,376 | 18,676 |
| M 22 | 1,5 | 21,968 | 21,732 | 20,994 | 20,854 | 20,128 | 19,930 | 22,000 | | 21,026 | 21,216 | 20,376 | 20,676 |
| M 26 | 1,5 | 25,968 | 25,732 | 24,994 | 24,844 | 24,128 | 23,920 | 26,000 | | 25,026 | 25,226 | 24,376 | 24,676 |
| M 27 | 1,5 | 26,968 | 26,732 | 25,994 | 25,844 | 25,128 | 24,920 | 27,000 | | 26,026 | 26,226 | 25,376 | 25,676 |
| M 30 | 1,5 | 29,968 | 29,732 | 28,994 | 28,844 | 28,128 | 27,920 | 30,000 | | 29,026 | 29,226 | 28,376 | 28,676 |
| M 35 | 1,5 | 34,968 | 34,732 | 33,994 | 33,844 | 33,128 | 32,920 | 35,000 | | 34,026 | 34,226 | 33,376 | 33,676 |
| M 40 | 1,5 | 39,968 | 39,732 | 38,994 | 38,844 | 38,128 | 37,920 | 40,000 | | 39,026 | 39,226 | 38,376 | 38,676 |
| M 20 | 2 | 19,962 | 19,682 | 18,663 | 18,503 | 17,508 | 17,271 | 20,000 | | 18,701 | 18,913 | 17,835 | 18,210 |
| M 24 | 2 | 23,962 | 23,682 | 22,663 | 22,493 | 21,508 | 21,261 | 24,000 | 22,701 | 22,925 | 21,835 | 22,210 | |
| M 30 | 2 | 29,962 | 29,682 | 28,663 | 28,493 | 27,508 | 27,261 | 30,000 | 28,701 | 28,925 | 27,835 | 28,210 | |
| M 36 | 2 | 35,962 | 35,682 | 34,663 | 34,493 | 33,508 | 33,261 | 36,000 | 34,701 | 34,925 | 33,835 | 34,210 | |
| M 42 | 2 | 41,962 | 41,682 | 40,663 | 40,493 | 39,508 | 39,261 | 42,000 | 40,701 | 40,925 | 39,835 | 40,210 | |

Beschreibung

Die in der Tabelle angegebenen Grenzmaße für Regelgewinde entsprechen dem
 - Toleranzfeld **6g** beim Bolzensgewinde
 - Toleranzfeld **6H** beim Muttergewinde.

Die in diesem Katalog angegebenen metrischen Stahl-/ Metallgewinde sind nach diesen Toleranzfeldern ausgeführt.

Bei Gewinden, die durch Oberflächen- oder Wärmebehandlung (z.B. Sandstrahlen, Kunststoffbeschichten, Verzinken,

Vergüten, usw.) veredelt werden, kann es aus prozess-technischen Gründen in Einzelfällen vorkommen, dass die genannten Toleranzfelder nicht eingehalten werden können. Dies hat jedoch keinen funktionsstörenden Einfluss, da die Gewinde dennoch schrauben- bzw. mutterngängig sind.

Bei Gewinden in Kunststoff-Normteilen (ohne Stahl- / Metallgewindeeinsatz) können aus fertigungstechnischen Gründen diese Toleranzen in der Regel nicht eingehalten werden.