

MARYLAND METRICS

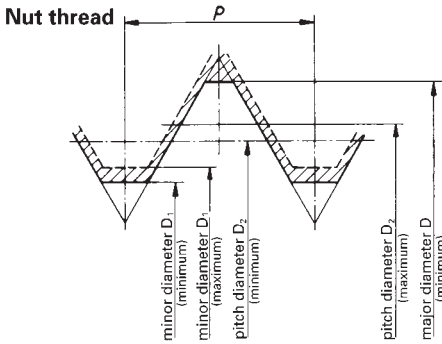
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TECHNICAL INFORMATION and DATA



Nut threads with tolerance class 5H resp. 6H (tolerance quality: medium)

Nut threads M 1 to M 1,4 are tolerance class 5H.

Nut threads M 1,6 to M 39 are tolerance class 6H.

Limits of sizes for coarse threads

| Thread size | Length of normal thread engagement | | Major diameter D | | Pitch diameter D ₂ | | Minor diameter D ₁ | |
|-------------|------------------------------------|-----|---------------------|---------|----------------------------------|---------|----------------------------------|--|
| | from | to | minimum | minimum | maximum | minimum | maximum | |
| M 1 | 0,6 | 1,7 | 1,000 | 0,838 | 0,894 | 0,729 | 0,785 | |
| M 1,2 | 0,6 | 1,7 | 1,200 | 1,038 | 1,094 | 0,929 | 0,985 | |
| M 1,4 | 0,7 | 2 | 1,400 | 1,205 | 1,265 | 1,075 | 1,142 | |
| M 1,6 | 0,8 | 2,6 | 1,600 | 1,373 | 1,458 | 1,221 | 1,321 | |
| M 1,8 | 0,8 | 2,6 | 1,800 | 1,573 | 1,658 | 1,421 | 1,521 | |
| M 2 | 1 | 3 | 2,000 | 1,740 | 1,830 | 1,567 | 1,679 | |
| M 2,5 | 1,3 | 3,8 | 2,500 | 2,208 | 2,303 | 2,013 | 2,138 | |
| M 3 | 1,5 | 4,5 | 3,000 | 2,675 | 2,775 | 2,459 | 2,599 | |
| M 3,5 | 1,7 | 5 | 3,500 | 3,110 | 3,222 | 2,850 | 3,010 | |
| M 4 | 2 | 6 | 4,000 | 3,545 | 3,663 | 3,242 | 3,422 | |
| M 5 | 2,5 | 7,5 | 5,000 | 4,480 | 4,605 | 4,134 | 4,334 | |
| M 6 | 3 | 9 | 6,000 | 5,350 | 5,500 | 4,917 | 5,153 | |
| M 7 | 3 | 9 | 7,000 | 6,350 | 6,500 | 5,917 | 6,153 | |
| M 8 | 4 | 12 | 8,000 | 7,188 | 7,348 | 6,647 | 6,912 | |
| M 10 | 5 | 15 | 10,000 | 9,026 | 9,206 | 8,376 | 8,676 | |
| M 12 | 6 | 18 | 12,000 | 10,863 | 11,063 | 10,106 | 10,441 | |
| M 14 | 8 | 24 | 14,000 | 12,701 | 12,913 | 11,835 | 12,210 | |
| M 16 | 8 | 24 | 16,000 | 14,701 | 14,913 | 13,835 | 14,210 | |
| M 18 | 10 | 30 | 18,000 | 16,376 | 16,600 | 15,294 | 15,744 | |
| M 20 | 10 | 30 | 20,000 | 18,376 | 18,600 | 17,294 | 17,744 | |
| M 22 | 10 | 30 | 22,000 | 20,376 | 20,600 | 19,294 | 19,744 | |
| M 24 | 12 | 36 | 24,000 | 22,051 | 22,316 | 20,752 | 21,252 | |
| M 27 | 12 | 36 | 27,000 | 25,051 | 25,316 | 23,752 | 24,252 | |
| M 30 | 15 | 45 | 30,000 | 27,727 | 28,007 | 26,211 | 26,771 | |
| M 33 | 15 | 45 | 33,000 | 30,727 | 31,007 | 29,211 | 29,771 | |
| M 36 | 18 | 53 | 36,000 | 33,402 | 33,702 | 31,670 | 32,270 | |
| M 39 | 18 | 53 | 39,000 | 36,402 | 36,702 | 34,670 | 35,270 | |