

DRILL SIZES FOR TAPS - There are six categories of standard taps. We have broken down the drill size recommendations into those six categories which appear below

Metric taps

millimeter Thread

[click here for more info on metric tap sizes](#)

| Tap Size | Drill Size |
|-------------|------------|
| M1.6 x 0.35 | 1.25mm |
| M2 x 0.4 | 1/16 |
| M2.5 x 0.45 | 2.05mm |
| M3 x 0.5 | #40 |
| M3 x 0.6 | 2.5mm |
| M3.5 x 0.6 | #33 |
| M4 x 0.7 | 3.3mm |
| M4 x 0.75 | 3.4mm |
| M5 x 0.8 | 4.2mm |
| M5 x 0.9 | 4.2mm |
| M6 x 1 | 5mm |
| M6.3 x 1 | 5.5mm |
| M7 x 1 | 6.1mm |
| M8 x 1 | 7.1mm |
| M8 x 1.25 | 6.7mm |
| M9 x 0.75 | 8.3mm |
| M9 x 1 | 8.1mm |
| M9 x 1.25 | 7.9mm |
| M10 x 1 | 9.1mm |
| M10 x 1.25 | 8.9mm |
| M10 x 1.5 | 8.4mm |
| M11 x 1.50 | 9.7mm |
| M12 x 1.25 | 10.9mm |
| M12 x 1.5 | 10.7mm |
| M12 x 1.75 | 13/32 |
| M14 x 1.25 | 12.8mm |
| M14 x 1.5 | 12.7mm |
| M14 x 2 | 15/32 |
| M16 x 1.5 | 14.7mm |
| M16 x 2 | 35/64 |
| M18 x 1.5 | 16.8mm |
| M18 x 2.5 | 15.8mm |
| M20 x 2.5 | 11/16 |
| M22 x 1.5 | 20.9mm |
| M24 x 2 | 22.3mm |

NC taps

National Coarse

[click here for more info on fractional tap sizes](#)

| Tap Size | Drill Size |
|-----------|------------|
| 1/4-20NC | #8 |
| 5/16-18NC | F |
| 3/8-16NC | 5/16 |
| 7/16-14NC | U |
| 1/2-13NC | 27/64 |
| 9/16-12NC | 31/64 |
| 5/8-11NC | 14mm |
| 3/4-10NC | 21/32 |
| 7/8-9NC | 49/64 |
| 1-8NC | 7/8 |
| 1 1/8-7NC | 63/64 |
| 1 1/4-7NC | 1-7/64 |
| 1 3/8-6NC | 1-3/16 |
| 1 1/2-6NC | 1-11/32 |

NF taps

National Fine

[click here for more info on fractional tap sizes](#)

| Tap Size | Drill Size |
|------------|------------|
| 1/4-28NF | #3 |
| 5/16-24NF | I |
| 3/8-24NF | Q |
| 7/16-20NF | W |
| 1/2-20NF | 29/64 |
| 9/16-18NF | 33/64 |
| 5/8-18NF | 37/64 |
| 3/4-16NF | 11/16 |
| 7/8-14NF | 13/16 |
| 1-12NF | 29/32 |
| 1 1/8-12NF | 1-3/64 |
| 1 1/4-12NF | 1-11/64 |
| 1 3/8-12NF | 1-19/64 |
| 1 1/2-12NF | 1-27/64 |

NS taps

National Standard

[click here for more info on fractional tap sizes](#)

| Tap Size | Drill Size |
|------------|------------|
| 5/32-32NS | 1/8 |
| 5/32-36NS | #30 |
| 3/16-24NS | #26 |
| 3/16-32NS | #22 |
| 7/32-24NS | #16 |
| 7/32-32NS | #12 |
| 1/4-32NS | 7/32 |
| 1/4-40NS | #1 |
| 5/16-32NS | 9/32 |
| 11/16-16NS | 5/8 |
| 1-14NS | 15/16 |

NPT taps

National Pipe Thread

[click here for more info on pipe thread sizes](#)

Number Size Taps

Number size Thread

[click here for more info on number size taps](#)

| Tap Size | Drill Size |
|----------|------------|
| 0-80 | 3/64 |
| 1-64 | #53 |
| 1-72 | #53 |
| 2-56 | #51 |
| 2-64 | #50 |
| 3-48 | 5/64 |
| 3-56 | #46 |
| 4-36 | #44 |
| 4-40 | #44 |
| 4-48 | #42 |
| 5-40 | #39 |
| 5-44 | #38 |
| 6-32 | #36 |
| 6-40 | #33 |
| 8-32 | #29 |

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| | |
|-----------|--------|
| M24 x 3 | 53/64 |
| M30 x 3.5 | 1-3/64 |
| M36 x 4 | 1-1/4 |

| Tap Size | Drill Size |
|-----------------|------------|
| 1/8-27NPT | R |
| 1/4-18NPT | 7/16 |
| 3/8-18NPT | 15mm |
| 1/2-14NPT | 23/32 |
| 3/4-14NPT | 59/64 |
| 1 x11-1/2NPT | 1-5/32 |
| 1-1/4x11-1/2NPT | 1-1/2 |
| 1-1/2x11-1/2NPT | 1-47/64 |
| 2x 11-1/2NPT | 2-7/32 |

| | |
|-------|-----|
| 8-36 | #29 |
| 10-24 | #25 |
| 10-32 | #21 |
| 12-24 | #17 |
| 12-28 | #15 |
| 14-20 | #10 |
| 14-24 | #7 |