# 3-56 Tap Drill Chart

Unified National Fine (UNF) · 56 threads per inch · ASME B1.1

TAP DRILL (73% THREAD)

**#45** = 0.0820 in = 2.08 mm

## Drills for 3-56 (50–85% thread)

| DRILL | INCH | MM | % THREAD | |
|---|---|---|---|---|
| #44 | 0.0860 | 2.18 | 56% | |
| #45 | 0.0820 | 2.08 | 73% | Recommended |
| #46 | 0.0810 | 2.06 | 78% | |

## Clearance hole (bolt passes through)

| FIT | DRILL | INCH | MM |
|---|---|---|---|
| Close | 7/64" | 0.1094 | 2.78 |
| Normal | #32 | 0.1160 | 2.95 |
| Loose | 1/8" | 0.1250 | 3.18 |

## Thread dimensions (basic)

| DIMENSION | INCH | MM |
|---|---|---|
| Major diameter (basic) | 0.0990 | 2.51 |
| Pitch diameter (basic) | 0.0874 | 2.22 |
| Minor diameter, internal (basic) | 0.0797 | 2.02 |
| Pitch (1/56 in) | 0.0179 | 0.45 |

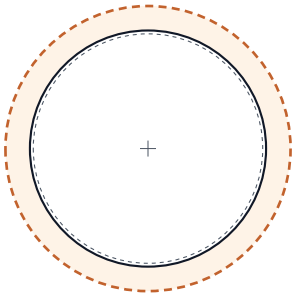
## Actual size

Print at 100% scale ("Actual size", not "Fit to page"). Check with the rulers below.

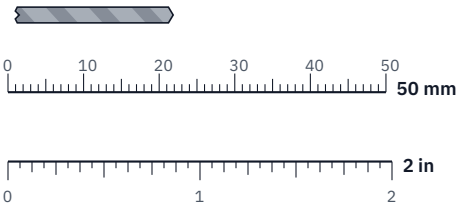


Dashed copper circle: thread major diameter; solid: tap drill hole; dotted: basic minor diameter.

**Enlarged 15x:**



**Tap drill, actual size (2.08 mm):**




Scan for the interactive version:

**whatsizeis.com/tap-drill/3-56/**

Values from the ASME B1.1, ISO 261/68-1 and ASME B1.20.1 thread formulas; drill sizes per ASME B94.11M; clearance holes per ISO 273. Method: whatsizeis.com/how-we-calculate/