2-56 Tap Drill Chart

Unified National Coarse (UNC) · 56 threads per inch · ASME B1.1

TAP DRILL (69% THREAD)

#50 = 0.0700 in = 1.78 mm

Drills for 2-56 (50–85% thread)

DRILL	INCH	MM	% THREAD	
#49	0.0730	1.85	56%	
#50	0.0700	1.78	69%	Recommended
#51	0.0670	1.70	82%	

Clearance hole (bolt passes through)

FIT	DRILL	INCH	MM
Close	#41	0.0960	2.44
Normal	#37	0.1040	2.64
Loose	#35	0.1100	2.79

Thread dimensions (basic)

DIMENSION	INCH	MM
Major diameter (basic)	0.0860	2.18
Pitch diameter (basic)	0.0744	1.89
Minor diameter, internal (basic)	0.0667	1.69
Pitch (1/56 in)	0.0179	0.45

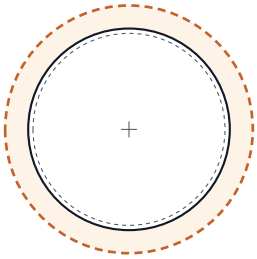
Actual size

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

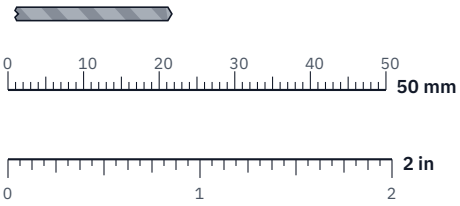


Dashed copper circle: thread major diameter; solid: tap drill hole; dotted: basic minor diameter.

Enlarged 15x:



Tap drill, actual size (1.78 mm):



Scan for the interactive version:

whatsizeis.com/tap-drill/2-56/

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/