2-64 Tap Drill Chart

Unified National Fine (UNF) · 64 threads per inch · ASME B1.1

TAP DRILL (79% THREAD)

#50 = 0.0700 in = 1.78 mm

Drills for 2-64 (50–85% thread)

DRILL	INCH	MM	% THREAD	
#49	0.0730	1.85	64%	
#50	0.0700	1.78	79%	Recommended

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)	0.0759	1.93
Minor diameter, internal (basic)	0.0691	1.75
Pitch (1/64 in)	0.0156	0.40

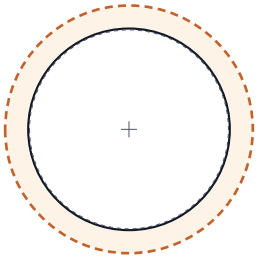
Actual size

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

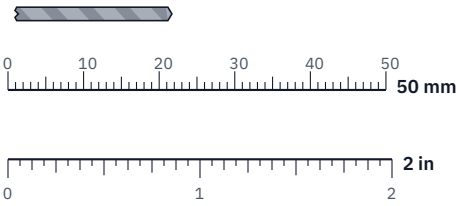


Dashed copper circle: thread major diameter; solid: tap drill hole; dotted: basic minor diameter.

Enlarged 15x:



Tap drill, actual size (1.78 mm):



Scan for the interactive version:

whatsizeis.com/tap-drill/2-64/

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/