1-64 Tap Drill Chart

Unified National Coarse (UNC) · 64 threads per inch · ASME B1.1

TAP DRILL (67% THREAD)

#53 = 0.0595 in = 1.51 mm

Drills for 1-64 (50–85% thread)

DRILL	INCH	MM	% THREAD	
1/16"	0.0625	1.59	52%	
#53	0.0595	1.51	67%	Recommended

Clearance hole (bolt passes through)

FIT	DRILL	INCH	MM
Close	#46	0.0810	2.06
Normal	#44	0.0860	2.18
Loose	#41	0.0960	2.44

Thread dimensions (basic)

DIMENSION	INCH	MM
Major diameter (basic)	0.0730	1.85
Pitch diameter (basic)	0.0629	1.60
Minor diameter, internal (basic)	0.0561	1.42
Pitch (1/64 in)	0.0156	0.40

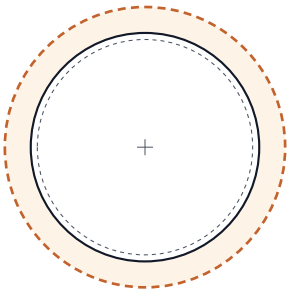
Actual size

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 20x:



Tap drill, actual size (1.51 mm):







Scan for the interactive version:

whatsizeis.com/tap-drill/1-64/

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/