1-1/4-12 Tap Drill Chart

Unified National Fine (UNF) · 12 threads per inch · ASME B1.1

TAP DRILL (72% THREAD)

1-11/64" = 1.1719 in = 29.77 mm

Drills for 1-1/4-12 (50–85% thread)

DRILL	INCH	MM	% THREAD	
1-3/16"	1.1875	30.16	58%	
1-11/64"	1.1719	29.77	72%	Recommended

Clearance hole (bolt passes through)

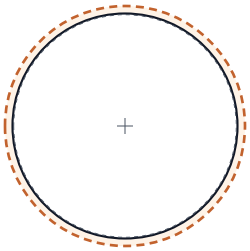
FIT	DRILL	INCH	MM
Close	1-19/64"	1.2969	32.94
Normal	1-3/8"	1.3750	34.93
Loose	1-29/64"	1.4531	36.91

Thread dimensions (basic)

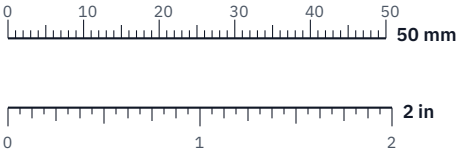
DIMENSION	INCH	MM
Major diameter (basic)	1.2500	31.75
Pitch diameter (basic)	1.1959	30.38
Minor diameter, internal (basic)	1.1598	29.46
Pitch (1/12 in)	0.0833	2.12

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.



Scan for the interactive version:

whatsizeis.com/tap-drill/1-1-4-12/

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/