1-12 Tap Drill Chart

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

TAP DRILL (72% THREAD)

59/64" = 0.9219 in = 23.42 mm

Drills for 1-12 (50–85% thread)

DRILL	INCH	MM	% THREAD	
15/16"	0.9375	23.81	58%	
59/64"	0.9219	23.42	72%	Recommended

Clearance hole (bolt passes through)

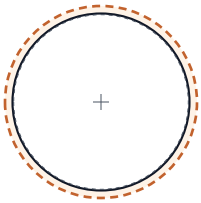
FIT	DRILL	INCH	MM
Close	1-3/64"	1.0469	26.59
Normal	1-7/64"	1.1094	28.18
Loose	1-3/16"	1.1875	30.16

Thread dimensions (basic)

DIMENSION	INCH	MM
Major diameter (basic)	1.0000	25.40
Pitch diameter (basic)	0.9459	24.03
Minor diameter, internal (basic)	0.9098	23.11
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.

Tap drill, actual size (23.42 mm):







Scan for the interactive version:

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

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/