1-1/8-12 Tap Drill Chart

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

TAP DRILL (72% THREAD)

1-3/64" = 1.0469 in = 26.59 mm

Drills for 1-1/8-12 (50–85% thread)

DRILL	INCH	MM	% THREAD	
1-1/16"	1.0625	26.99	58%	
1-3/64"	1.0469	26.59	72%	Recommended

Clearance hole (bolt passes through)

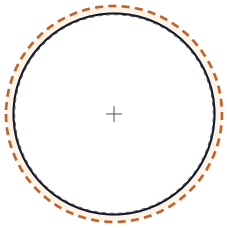
FIT	DRILL	INCH	MM
Close	1-11/64"	1.1719	29.77
Normal	1-1/4"	1.2500	31.75
Loose	1-21/64"	1.3281	33.73

Thread dimensions (basic)

DIMENSION	INCH	MM
Major diameter (basic)	1.1250	28.58
Pitch diameter (basic)	1.0709	27.20
Minor diameter, internal (basic)	1.0348	26.28
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/1-1-8-12/

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/