1-1/4-7 Tap Drill Chart

Unified National Coarse (UNC) · 7 threads per inch · ASME B1.1

TAP DRILL (76% THREAD)

1-7/64" = 1.1094 in = 28.18 mm

Drills for 1-1/4-7 (50–85% thread)

DRILL	INCH	MM	% THREAD	
1-5/32"	1.1563	29.37	51%	
1-9/64"	1.1406	28.97	59%	
1-1/8"	1.1250	28.58	67%	
1-7/64"	1.1094	28.18	76%	Recommended
1-3/32"	1.0938	27.78	84%	

Clearance hole (bolt passes through)

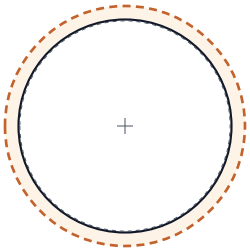
FIT	DRILL	INCH	MM
Close	1-19/64"	1.2969	32.94
Normal	1-3/8"	1.3750	34.93
Loose	1-29/64"	1.4531	36.91

Thread dimensions (basic)

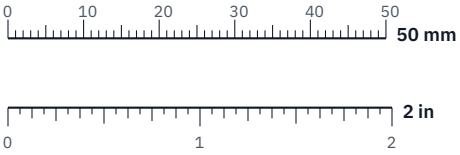
DIMENSION	INCH	MM
Major diameter (basic)	1.2500	31.75
Pitch diameter (basic)	1.1572	29.39
Minor diameter, internal (basic)	1.0954	27.82
Pitch (1/7 in)	0.1429	3.63

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/1-1-4-7/

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/