7/8-14 Tap Drill Chart

Unified National Fine (UNF) · 14 threads per inch · ASME B1.1

TAP DRILL (67% THREAD)

13/16" = 0.8125 in = 20.64 mm

Drills for 7/8-14 (50–85% thread)

DRILL	INCH	MM	% THREAD	
53/64"	0.8281	21.03	51%	
13/16"	0.8125	20.64	67%	Recommended
51/64"	0.7969	20.24	84%	

Clearance hole (bolt passes through)

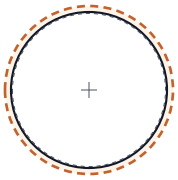
FIT	DRILL	INCH	MM
Close	59/64"	0.9219	23.42
Normal	31/32"	0.9688	24.61
Loose	1-3/64"	1.0469	26.59

Thread dimensions (basic)

DIMENSION	INCH	MM
Major diameter (basic)	0.8750	22.23
Pitch diameter (basic)	0.8286	21.05
Minor diameter, internal (basic)	0.7977	20.26
Pitch (1/14 in)	0.0714	1.81

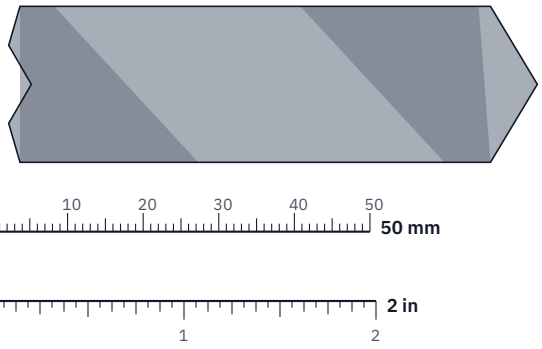
Actual size

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 (20.64 mm):



Scan for the interactive version:

whatsizeis.com/tap-drill/7-8-14/

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/