7/16-14 Tap Drill Chart

Unified National Coarse (UNC) · 14 threads per inch · ASME B1.1

TAP DRILL (75% THREAD)

U = 0.3680 in = 9.35 mm

Drills for 7/16-14 (50–85% thread)

DRILL	INCH	MM	% THREAD	
25/64"	0.3906	9.92	51%	
W	0.3860	9.80	56%	
V	0.3770	9.58	65%	
3/8"	0.3750	9.53	67%	
U	0.3680	9.35	75%	Recommended
23/64"	0.3594	9.13	84%	

Clearance hole (bolt passes through)

FIT	DRILL	INCH	MM
Close	15/32"	0.4688	11.91
Normal	1/2"	0.5000	12.70
Loose	17/32"	0.5313	13.49

Thread dimensions (basic)

DIMENSION	INCH	MM
Major diameter (basic)	0.4375	11.11
Pitch diameter (basic)	0.3911	9.93
Minor diameter, internal (basic)	0.3602	9.15
Pitch (1/14 in)	0.0714	1.81

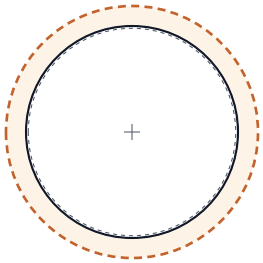
Actual size

Print at 100% scale ("Actual size", not "Fit to page"). Check with the rulers below.

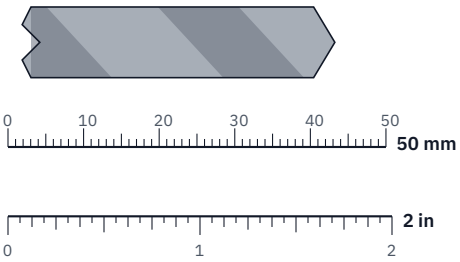


Dashed copper circle: thread major diameter; solid: tap drill hole; dotted: basic minor diameter.

Enlarged 3x:



Tap drill, actual size (9.35 mm):



Scan for the interactive version:

whatsizeis.com/tap-drill/7-16-14/

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/