M14x1 Tap Drill Chart

Metric fine (ISO) · 1 mm pitch · ISO 261 / ISO 68-1

TAP DRILL (77% THREAD)

13 mm = 0.5118 in = 13.00 mm

Drills for M14x1 (50–85% thread)

DRILL	INCH	MM	% THREAD	
13.3 mm	0.5236	13.30	54%	
13.2 mm	0.5197	13.20	62%	
13.1 mm	0.5157	13.10	69%	
13 mm	0.5118	13.00	77%	Recommended
12.9 mm	0.5079	12.90	85%	

Clearance hole (bolt passes through)

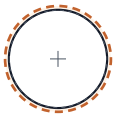
FIT	DRILL	INCH	MM
Close	15 mm	0.5906	15.00
Normal	15.5 mm	0.6102	15.50
Loose	16.5 mm	0.6496	16.50

Thread dimensions (basic)

DIMENSION	INCH	MM
Major diameter (basic)	0.5512	14.00
Pitch diameter (basic)	0.5256	13.35
Minor diameter, internal (basic)	0.5086	12.92
Pitch	0.0394	1.00

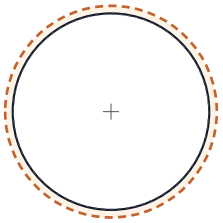
Actual size

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

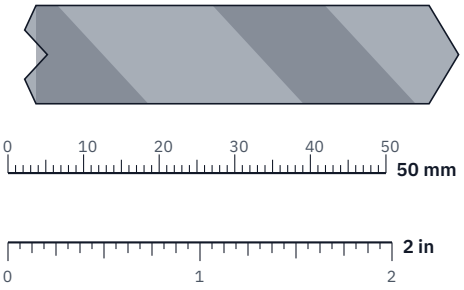


Dashed copper circle: thread major diameter; solid: tap drill hole; dotted: basic minor diameter.

Enlarged 2x:



Tap drill, actual size (13.00 mm):



Scan for the interactive version:

whatsizeis.com/tap-drill/m14x1/

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/