M45 Tap Drill Chart

Metric coarse (ISO) · 4.5 mm pitch · ISO 261 / ISO 68-1

TAP DRILL (77% THREAD)

40.5 mm = 1.5945 in = 40.50 mm

Drills for M45 (50–85% thread)

DRILL	INCH	MM	% THREAD	
42 mm	1.6535	42.00	51%	
41.5 mm	1.6339	41.50	60%	
41 mm	1.6142	41.00	68%	
40.5 mm	1.5945	40.50	77%	Recommended

Clearance hole (bolt passes through)

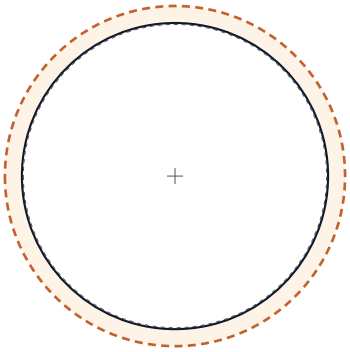
FIT	DRILL	INCH	MM
Close	46 mm	1.8110	46.00
Normal	48 mm	1.8898	48.00
Loose	52 mm	2.0472	52.00

Thread dimensions (basic)

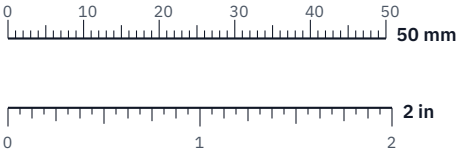
DIMENSION	INCH	MM
Major diameter (basic)	1.7717	45.00
Pitch diameter (basic)	1.6566	42.08
Minor diameter, internal (basic)	1.5799	40.13
Pitch	0.1772	4.50

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/m45/

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/