M30x1 Tap Drill Chart

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

TAP DRILL (77% THREAD)

29 mm = 1.1417 in = 29.00 mm

Drills for M30x1 (50–85% thread)

DRILL	INCH	MM	% THREAD	
29 mm	**1.1417**	**29.00**	**77%**	Recommended

Clearance hole (bolt passes through)

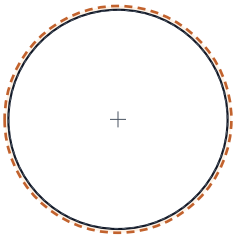
FIT	DRILL	INCH	MM
Close	31 mm	**1.2205**	**31.00**
Normal	33 mm	**1.2992**	**33.00**
Loose	35 mm	**1.3780**	**35.00**

Thread dimensions (basic)

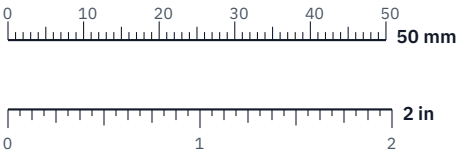
DIMENSION	INCH	MM
Major diameter (basic)	**1.1811**	**30.00**
Pitch diameter (basic)	**1.1555**	**29.35**
Minor diameter, internal (basic)	**1.1385**	**28.92**
Pitch	**0.0394**	**1.00**

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.



Scan for the interactive version:

whatsizeis.com/tap-drill/m30x1/

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/