M33 Tap Drill Chart

Metric coarse (ISO) · 3.5 mm pitch · ISO 261 / ISO 68-1

TAP DRILL (77% THREAD)

29.5 mm = 1.1614 in = 29.50 mm

Drills for M33 (50–85% thread)

DRILL	INCH	MM	% THREAD	
30.5 mm	1.2008	30.50	55%	
30 mm	1.1811	30.00	66%	
29.5 mm	1.1614	29.50	77%	Recommended

Clearance hole (bolt passes through)

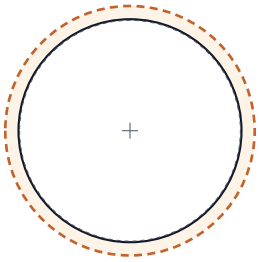
FIT	DRILL	INCH	MM
Close	34 mm	1.3386	34.00
Normal	36 mm	1.4173	36.00
Loose	38 mm	1.4961	38.00

Thread dimensions (basic)

DIMENSION	INCH	MM
Major diameter (basic)	1.2992	33.00
Pitch diameter (basic)	1.2097	30.73
Minor diameter, internal (basic)	1.1500	29.21
Pitch	0.1378	3.50

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/m33/

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/