3/8-32 Tap Drill Chart

Unified National Extra Fine (UNEF) · 32 threads per inch · ASME B1.1

TAP DRILL (77% THREAD)

11/32" = 0.3438 in = 8.73 mm

Drills for 3/8-32 (50–85% thread)

DRILL	INCH	MM	% THREAD	
S	0.3480	8.84	67%	
11/32"	0.3438	8.73	77%	Recommended

Clearance hole (bolt passes through)

FIT	DRILL	INCH	MM
Close	X	0.3970	10.08
Normal	27/64"	0.4219	10.72
Loose	15/32"	0.4688	11.91

Thread dimensions (basic)

DIMENSION	INCH	MM
Major diameter (basic)	0.3750	9.53
Pitch diameter (basic)	0.3547	9.01
Minor diameter, internal (basic)	0.3412	8.67
Pitch (1/32 in)	0.0313	0.79

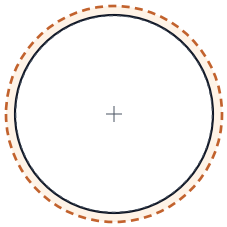
Actual size

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 (8.73 mm):







Scan for the interactive version:

whatsizeis.com/tap-drill/3-8-32/

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/