5/8-11 Tap Drill Chart

Unified National Coarse (UNC) · 11 threads per inch · ASME B1.1

TAP DRILL (79% THREAD)

17/32" = 0.5313 in = 13.49 mm

Drills for 5/8-11 (50–85% thread)

DRILL	INCH	MM	% THREAD	
9/16"	0.5625	14.29	53%	
35/64"	0.5469	13.89	66%	
17/32"	0.5313	13.49	79%	Recommended

Clearance hole (bolt passes through)

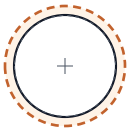
FIT	DRILL	INCH	MM
Close	43/64"	0.6719	17.07
Normal	11/16"	0.6875	17.46
Loose	47/64"	0.7344	18.65

Thread dimensions (basic)

DIMENSION	INCH	MM
Major diameter (basic)	0.6250	15.88
Pitch diameter (basic)	0.5660	14.38
Minor diameter, internal (basic)	0.5266	13.38
Pitch (1/11 in)	0.0909	2.31

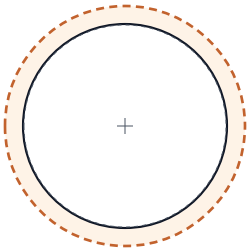
Actual size

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 (13.49 mm):







Scan for the interactive version:

whatsizeis.com/tap-drill/5-8-11/

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/