1-3/16-18 Tap Drill Chart

Unified National Extra Fine (UNEF) · 18 threads per inch · ASME B1.1

TAP DRILL (65% THREAD)

1-9/64" = 1.1406 in = 28.97 mm

Drills for 1-3/16-18 (50–85% thread)

DRILL	INCH	MM	% THREAD	
1-9/64"	**1.1406**	**28.97**	**65%**	Recommended

Clearance hole (bolt passes through)

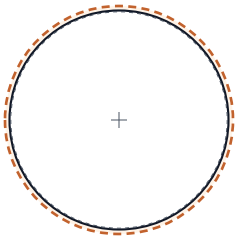
FIT	DRILL	INCH	MM
Close	1-15/64"	**1.2344**	**31.35**
Normal	1-5/16"	**1.3125**	**33.34**
Loose	1-25/64"	**1.3906**	**35.32**

Thread dimensions (basic)

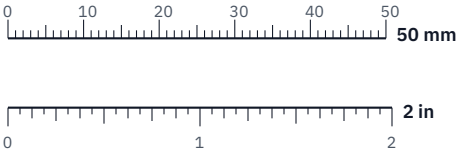
DIMENSION	INCH	MM
Major diameter (basic)	**1.1875**	**30.16**
Pitch diameter (basic)	**1.1514**	**29.25**
Minor diameter, internal (basic)	**1.1274**	**28.63**
Pitch (1/18 in)	**0.0556**	**1.41**

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/1-3-16-18/

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/