1-7/16-18 Tap Drill Chart

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

TAP DRILL (65% THREAD)

1-25/64" = 1.3906 in = 35.32 mm

Drills for 1-7/16-18 (50–85% thread)

DRILL	INCH	MM	% THREAD	
1-25/64"	**1.3906**	**35.32**	**65%**	Recommended

Clearance hole (bolt passes through)

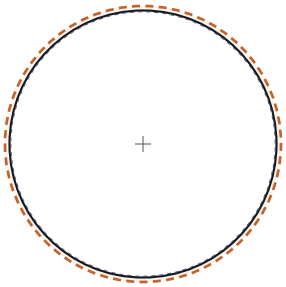
FIT	DRILL	INCH	MM
Close	1-31/64"	**1.4844**	**37.70**
Normal	1-9/16"	**1.5625**	**39.69**
Loose	1-11/16"	**1.6875**	**42.86**

Thread dimensions (basic)

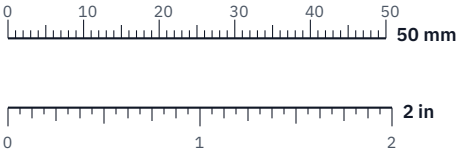
DIMENSION	INCH	MM
Major diameter (basic)	**1.4375**	**36.51**
Pitch diameter (basic)	**1.4014**	**35.60**
Minor diameter, internal (basic)	**1.3774**	**34.98**
Pitch (1/18 in)	**0.0556**	**1.41**

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/1-7-16-18/

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/