1-1/2-6 Tap Drill Chart

Unified National Coarse (UNC) · 6 threads per inch · ASME B1.1

TAP DRILL (72% THREAD)

1-11/32" = 1.3438 in = 34.13 mm

Drills for 1-1/2-6 (50–85% thread)

DRILL	INCH	MM	% THREAD	
1-25/64"	1.3906	35.32	51%	
1-3/8"	1.3750	34.93	58%	
1-23/64"	1.3594	34.53	65%	
1-11/32"	1.3438	34.13	72%	Recommended
1-21/64"	1.3281	33.73	79%	

Clearance hole (bolt passes through)

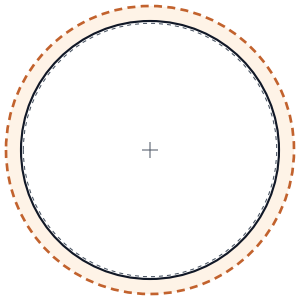
FIT	DRILL	INCH	MM
Close	1-35/64"	1.5469	39.29
Normal	1-5/8"	1.6250	41.28
Loose	1-3/4"	1.7500	44.45

Thread dimensions (basic)

DIMENSION	INCH	MM
Major diameter (basic)	1.5000	38.10
Pitch diameter (basic)	1.3917	35.35
Minor diameter, internal (basic)	1.3196	33.52
Pitch (1/6 in)	0.1667	4.23

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/1-1-2-6/

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/