NPT Tap Drill Chart

NPT tap drill chart

Where charts disagree we show the most-cited value first and list the others.

NPT size	Threads per inch	Pipe OD (in)	Tap drill	Other values published
1/16	27	0.3125	C	D (Theoretical Machinist); 1/4 (Eagle Fittings)
1/8	27	0.4050	Q	21/64 (Engineering ToolBox); R (Newman Tools); 21/64 (Eagle Fittings)
1/4	18	0.5400	7/16	27/64 (Engineering ToolBox)
3/8	18	0.6750	9/16	37/64 (Newman Tools)
1/2	14	0.8400	45/64	11/16 (Engineering ToolBox); 23/32 (Newman Tools); 11/16 (Eagle Fittings)
3/4	14	1.0500	29/32	59/64 (Newman Tools); 7/8 (Eagle Fittings)
1	11.5	1.3150	1-9/64	1-1/8 (Engineering ToolBox); 1-5/32 (Newman Tools); 1-3/32 (Eagle Fittings)
1-1/4	11.5	1.6600	1-31/64	1-15/32 (Engineering ToolBox); 1-1/2 (Newman Tools); 1-13/32 (Eagle Fittings)
1-1/2	11.5	1.9000	1-23/32	1-47/64 (Theoretical Machinist, Newman Tools); 1-5/8 (Eagle Fittings)
2	11.5	2.3750	2-7/32	2-13/64 (Theoretical Machinist); 2-3/16 (Engineering ToolBox); 2-1/32 (Eagle Fittings)
2-1/2	8	2.8750	2-5/8	2-9/16 (Engineering ToolBox); 2-1/2 (Eagle Fittings)
3	8	3.5000	3-1/4	3-3/16 (Engineering ToolBox); 3-1/16 (Eagle Fittings)
4	8	4.5000	4-1/4	4-3/16 (Engineering ToolBox); 4-1/16 (Eagle Fittings)

Disclaimer. Reference values for information only. Check the manufacturer's data for your part. Charts & Specs is an independent reference site. It is not affiliated with any manufacturer, standards body or code organization, and it uses brand and standard names only to identify what a value applies to.