

Thread Chart – BSPT & NPT



BSPT – British Standard Pipe Thread Taper

Adopted internationally with the exception of the US.

Thread Diameter	Series	Pitch	Tap Drill Size
1/16	BSPT	28 TPI	6.60 mm
1/8	BSPT	28 TPI	8.60 mm
1/4	BSPT	19 TPI	11.50 mm
3/8	BSPT	19 TPI	15.00 mm
1/2	BSPT	14 TPI	18.75 mm
5/8	BSPT	14 TPI	20.75 mm
3/4	BSPT	14 TPI	24.25 mm
1	BSPT	11 TPI	30.40 mm
1 1/4	BSPT	11 TPI	39.00 mm
1 1/2	BSPT	11 TPI	45.00 mm
2	BSPT	11 TPI	56.75 mm
2 1/2	BSPT	11 TPI	66.50 mm
3	BSPT	11 TPI	82.50 mm
4	BSPT	11 TPI	108.00 mm
5	BSPT	11 TPI	134.00 mm
6	BSPT	11 TPI	161.00 mm

NPT – National Pipe Thread Taper

Used predominately in the United States.

Thread Diameter	Series	Pitch	Tap Drill Size
1/16	NPT	27 TPI	6.60 mm
1/8	NPT	27 TPI	8.60 mm
1/4	NPT	18 TPI	11.10 mm
3/8	NPT	18 TPI	14.70 mm
1/2	NPT	14 TPI	18.25 mm
3/4	NPT	14 TPI	23.40 mm
1	NPT	11½ TPI	29.40 mm
1 1/4	NPT	11½ TPI	38.10 mm
1 1/2	NPT	11½ TPI	44.00 mm
2	NPT	11½ TPI	56.35 mm
2 1/2	NPT	8 TPI	66.65 mm
3	NPT	8 TPI	82.55 mm
3 1/2	NPT	8 TPI	95.25 mm
4	NPT	8 TPI	107.95 mm
4 1/2	NPT	8 TPI	120.65 mm
5	NPT	8 TPI	134.15 mm
6	NPT	8 TPI	161.15 mm