

Lathe Tool Bit Size Chart

Tool Bit Size (Inches)	Tool Bit Size (mm)	Common Lathe Type	Recommended Use / Application
1/4" × 1/4"	6 × 6 mm	Mini Lathe / Hobby Lathe	Light turning, soft materials (aluminum, brass)
5/16" × 5/16"	8 × 8 mm	Small Bench Lathe	General small-part turning, fine finishing
3/8" × 3/8"	10 × 10 mm	Medium Lathe	Most common size for home workshops
1/2" × 1/2"	12 × 12 mm	Medium to Large Lathe	Heavy cuts, steel, and tough alloys
5/8" × 5/8"	16 × 16 mm	Industrial Lathe	For roughing operations and high torque jobs
3/4" × 3/4"	20 × 20 mm	Heavy Duty Lathe	Deep cutting, heavy material removal
1" × 1"	25 × 25 mm	Industrial / CNC Lathe	Heavy-duty, precision machining tasks