



Model SB1002 10K® - 28" Bench Lathe

Product Dimensions

Weight..... 506 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 55-1/8 x 21-3/4 x 18-3/8 in.
 Footprint (Length x Width)..... 47 x 12 in.

Shipping Dimensions

Type..... Wood Slat Crate
 Content..... Machine
 Weight..... 656 lbs.
 Length x Width x Height..... 62 x 30 x 29 in.

Electrical

Power Requirement..... 110V/220V, Single-Phase, 60 Hz
 Prewired Voltage..... 110V
 Minimum Circuit Size..... 15A
 Switch..... Magnetic Contactor and FWD/REV Switch
 Switch Voltage..... 110V/220V
 Plug Included..... No
 Recommended Plug/Outlet Type..... 5-15 for 110V; 6-15 for 220V

Motors

Main

Type..... AC Induction
 Horsepower..... 1 HP
 Voltage..... 110V/220V
 Prewired..... 110V
 Phase..... Single-Phase
 Amps..... 12A/6A
 Speed..... 1150 RPM
 Cycle..... 60 Hz
 Number of Speeds..... 1
 Power Transfer Ribbed V-Belt
 Bearings..... Shielded and Permanently Sealed

Main Specifications

Operation Info

Swing Over Bed.....	9.84 in.
Distance Between Centers.....	28 in.
Swing Over Cross Slide.....	5.51 in.
Swing Over Saddle.....	8.26 in.
Maximum Tool Bit Size.....	1/2 in.
Compound Travel.....	2 in.
Carriage Travel.....	27 in.
Cross Slide Travel.....	4-7/8 in.

Headstock Info

Spindle Bore.....	0.86 in.
Spindle Taper.....	MT#3
Number of Spindle Speeds.....	8
Spindle Speeds.....	60 – 1200 RPM
Spindle Type.....	D1-3 Camlock

Tailstock Info

Tailstock Quill Travel.....	3.149 in.
Tailstock Taper.....	MT#2
Tailstock Barrel Diameter.....	1.18 in.

Threading Info

Number of Longitudinal Feeds.....	16
Range of Longitudinal Feeds.....	0.0014 – 0.0394 in.
Number of Cross Feeds.....	16
Range of Cross Feeds.....	0.0004 – 0.0131 in.
Number of Inch Threads.....	40
Range of Inch Threads.....	8 – 224 TPI
Number of Metric Threads.....	17
Range of Metric Threads.....	0.5 – 3.5 mm

Dimensions

Bed Width.....	5.9 in.
Leadscrew Diameter.....	3/4 in.
Leadscrew TPI.....	8
Leadscrew Length.....	44.29 in.
Steady Rest Capacity.....	5/16 – 2-15/16 (8-75 mm) (Optional SB1450)
Follow Rest Capacity.....	11/32 – 1-15/16 (9-49 mm) (Optional SB1451)
Faceplate Size.....	7 in. (Optional SB1452)

Construction

Headstock.....	Cast Iron
Bed.....	Cast Iron

Other

Optional Stand.....	SB1035
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Other

Country Of Origin	Taiwan
Warranty	1 Year
Serial Number Location	ID Label on Machine Left Side Cover
Customer Assembly & Setup Time	Less than 1 Hour

Features

Hardened and Ground Signature South Bend 3 V-Way Bed
4-Way Tool Post
Quick-Change Gearbox
Long 3.149" Trailstock Barrel Travel

Included Accessories

5" 3-Jaw Scroll Chuck
Toolbox
Morse Taper #2 & 3 Carbide-Tipped Dead Centers
35 Tooth Gear
64 Tooth Gear
19mm Wrench for Tailstock
Hex Wrench 1/4"
USA Written Manual