



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..... 605 lbs.
Length x Width x Height..... 62 x 30 x 29 in.

Electrical

Power Requirement..... 110V or 220V, Single-Phase, 60 Hz
Prewired Voltage..... 110V
Full-Load Current Rating..... 12A at 110V, 6A at 220V
Minimum Circuit Size..... 15A at 110V, 15A at 220V
Connection Type..... Cord & Plug
Power Cord Included..... Yes
Plug Included..... No
Recommended Plug Type..... 5-15 for 110V, 6-15 for 220V
Switch Type..... Magnetic Switch w/Overload Protection
Voltage Conversion Kit..... PSB10020326A for 220V

Motors

Main

Horsepower..... 1 HP
Phase..... Single-Phase
Amps..... 12A/6A
Speed..... 1150 RPM
Type..... TEFC Capacitor-Start Induction
Power Transfer Poly-V Belt Drive
Bearings..... Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type..... External

Main Specifications

Operation Info

Swing Over Bed.....	9-3/4 in.
Distance Between Centers.....	28 in.
Max Weight Between Centers.....	66 lbs.
Swing Over Cross Slide.....	5-1/2 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
Spindle Bearings.....	Tapered Roller
Spindle Length.....	14-1/8 in.
Spindle Length with 3-Jaw Chuck.....	17-7/8 in.
Spindle Length with 4-Jaw Chuck.....	19 in.
Spindle Length with Faceplate.....	15-1/2 in.

Tailstock Info

Tailstock Quill Travel.....	3.149 in.
Tailstock Taper.....	MT#2
Tailstock Barrel Diameter.....	1.1875 in.

Threading Info

Number of Longitudinal Feeds.....	16
Range of Longitudinal Feeds.....	0.0014 – 0.0394 in./rev.
Number of Cross Feeds.....	16
Range of Cross Feeds.....	0.0004 – 0.0131 in./rev
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.
Carriage Leadscrew Diameter.....	3/4 in.
Leadscrew TPI.....	8 TPI
Carriage Leadscrew Length.....	44-1/4 in.

Other

Optional Stand.....	SB1035
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Construction

Base.....	Cast Iron
Headstock.....	Cast Iron
End Gears.....	Flame Hardened Steel
Bed.....	Hardened and Precision-Ground Cast Iron
Body.....	Cast Iron
Paint Type/Finish.....	Epoxy

Fluid Capacities

Headstock Capacity.....	1 – 2 Pumps
Headstock Fluid Type.....	NLGI #2 Grease
Gearbox Capacity.....	1 – 2 Pumps
Gearbox Fluid Type.....	ISO 68 (SB1365, Grizzly T23962, Mobil Vactra 2)
Apron Capacity.....	1 – 2 Pumps
Apron Fluid Type.....	ISO 68 (SB1365, Grizzly T23962, Mobil Vactra 2)

Other

Country of Origin	Taiwan
Warranty	2 Years
Approximate Assembly & Setup Time	1 Hour
Serial Number Location	ID Label on Machine Left Side Cover
ISO 9001 Factory	No
Certified by a Nationally Recognized Testing Laboratory (NRTL)	No

Features

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