



# Product Specifications

P.O. Box 2027, Bellingham, WA 98227 U.S.A.  
PHONE: (360) 734-1540 • © South Bend Tools  
[www.southbendtools.com](http://www.southbendtools.com)



## Model SB1091 8" Parallelogram Jointer with Helical Cutterhead

### Product Dimensions

Weight.....	538 lbs.
Width (side-to-side) x Depth (front-to-back) x Height.....	83 x 26 x 46 in.
Footprint (Length x Width).....	46 x 18 in.

### Shipping Dimensions

Type.....	Wood Crate
Content.....	Machine
Weight.....	730 lbs.
Length x Width x Height.....	89 x 28 x 45 in.
Must Ship Upright.....	Yes

### Electrical

Power Requirement.....	230V, Single-Phase, 60 Hz
Full-Load Current Rating.....	12A
Minimum Circuit Size.....	20A
Connection Type.....	Cord & Plug
Power Cord Included.....	Yes
Power Cord Length.....	6 ft.
Power Cord Gauge.....	14 AWG
Plug Included.....	Yes
Included Plug Type.....	6-20
Switch Type.....	Control Panel w/Magnetic Switch Protection

### Motors

#### Main

Horsepower.....	3 HP
Phase.....	Single-Phase
Amps.....	12A
Speed.....	3450 RPM
Type.....	TEFC Capacitor-Start Induction
Power Transfer .....	Belt
Bearings.....	Shielded & Permanently Lubricated
Centrifugal Switch/Contacts Type.....	External

## Main Specifications

### Main Specifications

Jointer Size.....	8 in.
Bevel Jointing.....	0 - 45 deg. L/R
Maximum Width of Cut.....	8 in.
Maximum Depth of Cut.....	1/8 in.
Minimum Workpiece Length.....	10 in.
Minimum Workpiece Thickness.....	1/2 in.
Maximum Rabbeting Depth.....	1/2 in.
Number of Cuts Per Minute.....	28,000

### Fence Information

Fence Length.....	38 in.
Fence Width.....	1-1/4 in.
Fence Height.....	4-5/8 in.
Fence Stops.....	45, 90, 135 deg.

### Cutterhead Information

Cutterhead Type.....	Helical
Cutterhead Diameter.....	3-1/16 in.
Number of Cutter Rows.....	4
Number of Indexable Cutters.....	36
Cutterhead Speed.....	7000 RPM

### Cutter Insert Information

Cutter Insert Type.....	Indexable Carbide
Cutter Insert Length.....	15mm
Cutter Insert Width.....	15mm
Cutter Insert Thickness.....	2.5mm

### Table Information

Table Length.....	83 in.
Table Width.....	8 in.
Table Thickness.....	3-5/16 in.
Floor to Table Height.....	32-1/2 in.
Table Adjustment Type.....	Handwheel
Table Movement Type.....	Parallellogram

### Construction

Base.....	Cast Iron
Body Assembly.....	Cast Iron
Cabinet.....	Pre-formed Steel
Fence Assembly.....	Cast Iron
Guard.....	Die-Cast Aluminum
Table.....	Precision-Ground Cast Iron
Paint Type/Finish.....	Powder Coated

### Other Information

Number of Dust Ports.....	1
Dust Port Size.....	4 in.

## **Other**

Country of Origin .....	Taiwan
Warranty .....	2 Years
Approximate Assembly & Setup Time .....	45 Minutes
Serial Number Location .....	Machine ID Label
Sound Rating .....	85 dB
ISO 9001 Factory .....	Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL) .....	Yes

## **Features**

- Parallelogram Table Adjustment
- Handwheel-Adjusted Tables
- Pedestal-Mounted Switch Controls
- Heavy-Duty Center-Mounted Fence w/Rack and Pinion Adjustment
- Fence Stops at 45, 90, and 135 Degrees
- V-Belt Drive
- 4" Dust Port with Built-In Dust Chute
- Helical Cutterhead with 36 Indexable Carbide Inserts
- Precision-Ground Cast-Iron Table
- Two-Tone Powder-Coated Finish
- Sturdy Steel Cabinet Stand
- Rabbeting Table
- Digital Readout for Infeed Table Height
- Magnetic Switch w/Thermal Overload Protection
- Easy-to-Reach Knee Stop for Emergency Hands-Free Shut Off
- Anodized Handwheels and Fence Handle

## **Included Accessories**

- Two Safety Push Blocks w/Rubber Bottoms
- Two Torx T-25 T-Handle Drivers
- Ten Replacement T-25 #10-32 X 1/2 Torx Screws
- Five Replacement Cutterhead Inserts
- Combo Screwdriver #2
- Hex Wrenches 3, 4, 5, 6, 8mm
- Open-End Wrenches 12/14, 14/17mm