

Jellas BS02

Jellas BS02 750W Electric Belt Sander Instruction Manual

Model: BS02 (S1T-SW26-76)

1. INTRODUCTION

Thank you for choosing the Jellas BS02 750W Electric Belt Sander. This manual provides essential information for the safe and effective operation, setup, and maintenance of your new tool. Please read all instructions carefully before use and retain this manual for future reference.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

- **Wear appropriate personal protective equipment:** Always wear eye protection (safety glasses), hearing protection, and a dust mask when operating the sander.
- **Secure workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during sanding.
- **Avoid accidental starting:** Ensure the switch is in the off-position before connecting to power or picking up the tool.
- **Maintain proper footing and balance:** Do not overreach. Keep proper footing and balance at all times.
- **Disconnect power:** Always disconnect the sander from the power source before making any adjustments, changing accessories, or storing the tool.
- **Dust extraction:** Connect a dust extraction device to minimize dust exposure, especially when sanding wood or other materials that produce fine particles.

3. PRODUCT FEATURES

The Jellas BS02 Belt Sander is designed for efficient material removal and surface finishing. Key features include:

- **Powerful 750W Motor:** Provides robust performance for various sanding tasks.
- **Variable Speed Control:** Adjustable from 120 to 400 RPM (revolutions per minute) to match the sanding speed to the material and application.
- **Large Sanding Surface:** Utilizes 75mm x 533mm abrasive belts for greater efficiency.

- **Efficient Dust Collection:** Features a removable dust collection bag and a 2-in-1 adapter (35mm and 32mm) for connecting to an external vacuum cleaner.
- **2-in-1 Belt & Bench Sander Functionality:** Can be used handheld or inverted and fixed to a workbench using the included metal screw clamps for stationary operation.
- **Ergonomic Design:** Rubber-coated main and auxiliary handles reduce vibration and enhance grip comfort.
- **Quick Belt Change:** A clamping lever allows for fast and easy abrasive belt replacement.
- **Extended Reach:** Equipped with a 3-meter power cord for improved maneuverability.



Figure 1: Overview of the Jellas BS02 Belt Sander with key components labeled, including the rubber-coated handles, ON/OFF switch, speed adjustable knob, clamping lever, and abrasive belt.



Figure 2: Feature comparison highlighting the Jellas 750W motor, 76x533mm belt size, high-efficiency dust bag, low noise intensity, and long-life rubber belt drive material.

4. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- 1 x Jellas BS02 Electric Belt Sander
- 10 x 75x533mm Sanding Belts (various grits, e.g., 2x Grit 40, 2x Grit 60, 2x Grit 80, 2x Grit 120)
- 1 x Dust Collection Bag
- 1 x 2-in-1 Dust Extraction Adapter (35mm and 32mm)
- 2 x Metal Screw Clamps (for bench mounting)
- 1 x Instruction Manual

5. SETUP

5.1 Attaching/Changing the Sanding Belt

1. Ensure the sander is unplugged from the power source.
2. Locate the clamping lever on the side of the sander.
3. Push the clamping lever to release tension on the belt.
4. Remove the old sanding belt (if applicable) and slide on the new 75x533mm belt, ensuring the arrow on the belt matches the direction of rotation indicated on the sander.
5. Return the clamping lever to its original position to tension the belt.
6. Manually rotate the belt a few times to ensure it is centered. If not, use the belt tracking adjustment knob (refer to Figure 1) to align the belt.

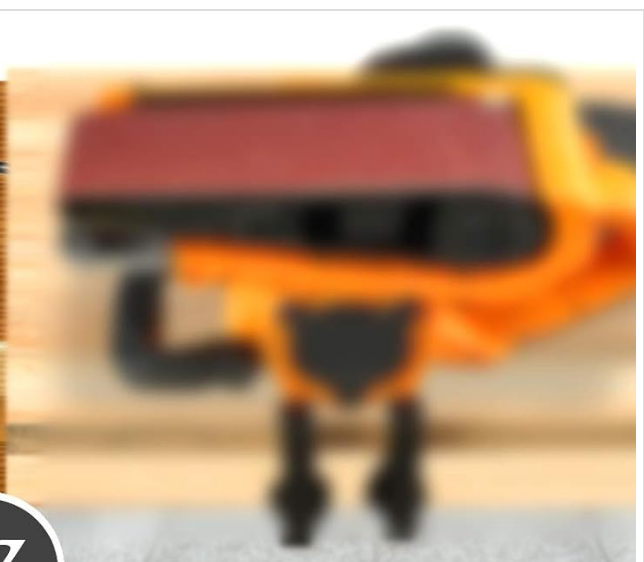




 Jellas	 Others
 750W	 600W
 76×533mm	 75×457mm
 Dust Bag - High Efficiency and Large Capacity	 Storage Box - Low Efficiency and Little Capacity
 Noise Intensity is Low	 Noise Intensity is High
 Long Service Life of Rubber Belt	 Short Service Life of Polyurethane Belt

Figure 3: Close-up view of the belt sander, illustrating the area where the sanding belt is installed and tensioned using the clamping lever.

5.2 Connecting the Dust Collection System

1. For basic dust collection, attach the provided dust collection bag to the dust port at the rear of the sander. Ensure it is securely fastened.
2. For enhanced dust extraction, connect the 2-in-1 adapter to the dust port, then attach your workshop vacuum cleaner hose to the adapter.

5.3 Bench Mounting (Optional)

The Jellas BS02 can be inverted and secured to a workbench for stationary sanding tasks.

1. Ensure the sander is unplugged.
2. Place the sander upside down on a stable workbench.
3. Use the two provided metal screw clamps to firmly secure the sander to the workbench. Ensure the sander is stable and will not move during operation.



Figure 4: The Jellas BS02 belt sander shown inverted and securely clamped to a workbench, demonstrating its bench sander functionality.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

1. Plug the sander into a suitable power outlet.
2. To turn on, press the ON/OFF switch.
3. To turn off, release the ON/OFF switch. For continuous operation, press the lock-on button (if available) after pressing the ON/OFF switch, then press the ON/OFF switch again to release.

6.2 Adjusting Speed

The variable speed control knob allows you to select the optimal sanding speed for different materials and applications.

- Rotate the speed adjustable knob (refer to Figure 1) to increase or decrease the belt speed.
- Lower speeds are suitable for fine finishing or heat-sensitive materials.

- Higher speeds are ideal for rapid material removal.

6.3 Sanding Techniques

- **Handheld Operation:** Hold the sander firmly with both hands. Start the sander before contacting the workpiece. Apply even, moderate pressure and move the sander smoothly along the surface, following the grain of the wood. Avoid tilting the sander or applying excessive pressure, which can cause uneven sanding or damage to the belt.
- **Stationary Operation (Bench Mounted):** With the sander securely mounted, bring the workpiece to the moving sanding belt. Maintain control of the workpiece and apply even pressure. This method is useful for shaping small pieces or sharpening tools.



Figure 5: A user demonstrating proper technique for operating the Jellas BS02 belt sander on a wooden surface, wearing safety glasses and gloves.



Figure 6: Examples of different sanding applications, including metal vertical polishing, wood sideways polishing, paint positive polishing, and wood positive polishing, showcasing the versatility of the tool.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** After each use, unplug the sander and clean any dust or debris from the tool, especially around the ventilation openings and the belt area. Use a soft brush or compressed air.
- **Dust Bag/System:** Empty the dust collection bag regularly. If using a vacuum system, ensure the filters are clean and the hose is free of blockages.
- **Belt Tracking Adjustment:** Periodically check the belt tracking. If the belt consistently drifts to one side, adjust the belt tracking knob (usually located near the front roller) until the belt runs centrally on the rollers. This prevents premature belt wear and damage to the sander.
- **Power Cord:** Inspect the power cord for any damage (cuts, fraying). If damaged, have it replaced by a qualified technician.
- **Storage:** Store the sander in a clean, dry place, out of reach of children.

8. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Sander does not start	No power supply; Faulty switch	Check power connection and outlet; Contact service for switch replacement.
Sanding belt slips or comes off	Belt not tensioned correctly; Incorrect belt tracking; Worn belt	Ensure clamping lever is engaged; Adjust belt tracking knob; Replace sanding belt.

Problem	Possible Cause	Solution
Excessive dust during operation	Dust bag full or improperly attached; Dust port blocked; Vacuum not connected/working	Empty and reattach dust bag; Clear dust port; Connect and check vacuum functionality.
Poor sanding performance	Worn sanding belt; Incorrect grit for task; Excessive pressure	Replace sanding belt; Use appropriate grit; Apply even, moderate pressure.

9. SPECIFICATIONS

Feature	Specification
Model Number	BS02 (S1T-SW26-76)
Brand	Jellas
Power	750 W
Voltage	120 Volts
Power Source	Corded Electric
Max Rotation Speed	10000 RPM (Note: This might be a general motor speed, actual belt speed is 120-400 RPM)
Belt Speed (Variable)	120 - 400 RPM
Sanding Belt Size	75 x 533 mm
Product Dimensions (L x W x H)	34 x 16 x 15 cm
Item Weight	4.28 kg
Included Components	Belt Sander, 10 Sanding Belts

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included with your product or contact Jellas customer service through the retailer where the product was purchased. Please have your model number (BS02 or S1T-SW26-76) and purchase date available when contacting support.