

Scheppach BTS900

Scheppach Belt and Disc Sander BTS900 User Manual

Model: BTS900 | Brand: Scheppach

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1. SAFETY INSTRUCTIONS

Always observe basic safety precautions when operating this power tool to reduce the risk of fire, electric shock, and personal injury. Retain these instructions for future reference.

General Safety

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Always wear eye protection. Use dust masks, non-skid safety shoes, hard hats, or hearing protection for appropriate conditions. Dress properly; avoid loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

Sander Specific Safety

- Secure the workpiece. Use clamps or a vise to hold the workpiece. This is safer than using your hand and frees both hands to operate the tool.
- Always use the correct type and size of sanding belt or disc for the material being sanded.
- Ensure the sanding belt or disc is properly installed and tensioned before operation.
- Connect a dust extraction system to minimize dust exposure, especially when sanding wood or other materials that produce fine particles.
- Never sand materials containing asbestos.
- Do not wear gloves when operating the sander, as they can get caught in moving parts.

2. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking. If any parts are missing or damaged, contact your retailer immediately.

- Scheppach BTS900 Belt and Disc Sander unit
- Sanding table with miter gauge
- 6 x Sanding belts
- 6 x Sanding discs (Ø150mm)
- User Manual



Image 2.1: The Scheppach BTS900 Belt and Disc Sander, shown with the included sanding belts and discs.

3. SETUP

3.1 Unpacking and Placement

1. Carefully remove all components from the packaging.
2. Place the sander on a stable, level workbench. The cast iron housing provides stability, but ensure the surface can support its weight.
3. Ensure adequate clearance around the machine for safe operation and dust extraction.

3.2 Attaching the Sanding Table

1. Attach the sanding table to the disc sander side using the provided fasteners.
2. Ensure the table is securely fastened and can be tilted smoothly.



Image 3.1: Close-up view of the disc sander area, showing the sanding table and its attachment point.

3.3 Installing Sanding Discs

The sanding discs attach easily thanks to the hook and loop coating.

1. Ensure the disc pad is clean and free of debris.
2. Align the new sanding disc with the disc pad and press firmly to secure it.

3.4 Installing Sanding Belts

1. Release the belt tension lever (refer to the diagram on the machine for location).
2. Slide the new sanding belt onto the rollers, ensuring the arrow on the belt matches the direction of rotation indicated on the machine.
3. Re-engage the belt tension lever.
4. Adjust the belt tracking if necessary by turning the tracking knob until the belt runs centrally on the rollers.



Image 3.2: Rear view illustrating the belt mechanism and the dust extraction port.

3.5 Dust Extraction Connection

Connect a suitable dust extraction system to the dust port located at the rear of the machine. This helps maintain a clean work environment and prolongs abrasive life.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

The machine is equipped with a power switch (green for ON, red for OFF) located on the front panel.



Image 4.1: Side view highlighting the power switch and Scheppach branding.

4.2 Using the Belt Sander

The sanding belt arm can be positioned from 0-90° (vertical to horizontal) to accommodate various workpieces and sanding tasks.

1. Loosen the locking knob for the belt arm adjustment.
2. Adjust the belt arm to the desired angle.
3. Tighten the locking knob securely.
4. Turn on the sander.
5. Apply the workpiece gently to the moving belt, using even pressure.



Image 4.2: The sanding belt arm shown in multiple adjustable positions, from horizontal to vertical.



Image 4.3: A user sanding a wooden workpiece using the belt sander in its vertical orientation.

4.3 Using the Disc Sander

The sanding table for the disc sander can be tilted from 0-45° and is equipped with a scale for precise angle adjustments.

1. Adjust the sanding table to the desired angle using the tilt mechanism and scale. Secure it firmly.
2. Turn on the sander.
3. Present the workpiece to the rotating disc, moving it across the disc surface to ensure even wear of the abrasive.



Image 4.4: A user sanding a small wooden block on the disc sander, demonstrating typical use.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sander.

5.1 Cleaning

- Always disconnect the power plug before cleaning.
- Use a brush or compressed air to remove dust and debris from the motor vents and sanding areas.
- Wipe down external surfaces with a damp cloth. Do not use harsh chemicals or solvents.

5.2 Abrasive Replacement

- Replace sanding belts and discs when they become worn or clogged to maintain sanding efficiency and prevent damage to the workpiece.
- Follow the installation steps outlined in Section 3.3 and 3.4.

5.3 Belt Tracking Adjustment

If the sanding belt drifts to one side during operation, adjust the belt tracking knob until the belt runs centrally on the rollers. This prevents premature wear of the belt and machine components.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Sander does not start	No power supply Faulty power switch	Check power cord and outlet Contact qualified service personnel
Poor sanding performance	Worn or clogged abrasive Incorrect abrasive grit for material	Replace sanding belt/disc Use appropriate grit
Excessive vibration	Loose components Unbalanced sanding disc/belt	Check all fasteners and tighten Replace abrasive; ensure proper installation
Sanding belt drifts	Incorrect belt tracking adjustment	Adjust belt tracking knob (refer to Section 5.3)
Motor overheating	Blocked ventilation slots Overloading the motor	Clean ventilation slots Reduce pressure on workpiece; allow motor to cool

7. SPECIFICATIONS

- **Brand:** Scheppach
- **Model:** BTS900
- **Part Number:** 5903306901
- **Power Source:** Corded Electric
- **Voltage:** 230 Volts (DC)
- **Motor Power:** 370W (implied from product title, not explicitly in specs but common for this model)
- **Maximum Rotational Speed:** 2850 RPM
- **Sanding Plate Diameter:** Ø150mm
- **Grit Type (Included):** Medium
- **Grit Number (Included):** 240
- **Item Weight:** 41.3 pounds

8. WARRANTY AND SUPPORT

Scheppach products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your product or visit the official Scheppach website. For technical support, spare parts, or service inquiries, please contact your authorized Scheppach dealer or the Scheppach customer service department.

Please have your model number (BTS900) and serial number (if applicable) ready when contacting support.

Related Documents - BTS900

	<p>Scheppach DS920 Drywall Sander - Operating Instructions and Safety Guide</p> <p>Comprehensive operating instructions and safety guidelines for the Scheppach DS920 drywall and ceiling sander, covering installation, operation, maintenance, troubleshooting, and technical specifications.</p>
	<p>Scheppach MRS1300: Der vielseitige Renovierungsschleifer</p> <p>Entdecken Sie den Scheppach MRS1300, einen leistungsstarken Universal-Renovierungsschleifer für Metall, Kunststoff und Holz. Ideal für Schleif-, Polier- und Reinigungsarbeiten.</p>
	<p>Scheppach HP2200S: Bedienungsanleitung und Produktinformationen</p> <p>Diese Anleitung bietet detaillierte Informationen zur sicheren Bedienung, Wartung und Verwendung der Scheppach HP2200S Vibrationsplatte. Erfahren Sie mehr über die technischen Daten und Sicherheitsvorkehrungen.</p>
	<p>Scheppach HP1800S Rüttelplatte: Bedienungs- und Sicherheitshandbuch</p> <p>Diese Anleitung bietet umfassende Informationen für den sicheren und effizienten Betrieb, die Wartung und Fehlerbehebung der Scheppach HP1800S Rüttelplatte. Erfahren Sie mehr über ihre Funktionen, Anwendungen und wesentlichen Sicherheitshinweise.</p>
	<p>Scheppach HP2200S Rüttelplatte Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die Scheppach HP2200S Rüttelplatte. Erfahren Sie alles über Montage, sichere Bedienung, Wartung und Fehlerbehebung für optimale Ergebnisse und Langlebigkeit Ihres Geräts.</p>



[Scheppach DS920 Trockenbauschleifer – Bedienungsanleitung & Technische Details](#)

Umfassende Bedienungsanleitung für den Scheppach DS920 Trockenbauschleifer. Erfahren Sie alles über sichere Anwendung, technische Daten, Wartung und Zubehör für professionelle Ergebnisse.