

## Scheppach 5901513901

# Scheppach HBS25 Bandsaw User Manual

Model: 5901513901

## 1. INTRODUCTION

This user manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Scheppach HBS25 Bandsaw. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

The Scheppach HBS25 is a compact bandsaw designed for various woodworking tasks, including ripping, angle cuts, and intricate curve cuts. It features a powerful 350 W induction motor and a robust steel construction, making it an ideal space-saving table model for both soft and hardwood processing.

## 2. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or property damage.

- **Read the Manual:** Familiarize yourself with all controls, adjustments, and operating procedures before use.
- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask. Avoid loose clothing, jewelry, and long hair that could get caught in moving parts.
- **Work Area:** Keep the work area clean, well-lit, and free from clutter. Ensure adequate ventilation, especially when cutting materials that produce fine dust.
- **Power Connection:** Ensure the power supply matches the specifications on the machine's rating plate. Disconnect power before making any adjustments, changing blades, or performing maintenance.
- **Secure Workpiece:** Always secure the workpiece firmly. Use the parallel fence or crosscut gauge for stable and precise cuts.

- **Use Push Stick:** Always use the provided push stick when cutting small workpieces or when your hands are close to the blade.
- **Blade Guard:** Ensure all blade guards are in place and properly adjusted before operation. Never operate the bandsaw without the blade guard.
- **Dust Extraction:** Connect the machine to an external dust extraction system to minimize dust exposure and maintain a clear view of the cutting line.
- **Emergency Stop:** Know the location of the dust-proof on-off safety switch and how to quickly shut off the machine in an emergency.

### 3. COMPONENTS AND FEATURES

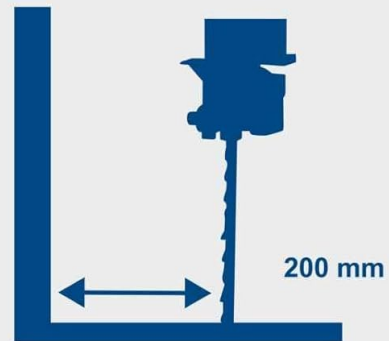


**Figure 3.1:** The Scheppach HBS25 Bandsaw, showcasing its compact design and the included parallel fence, crosscut gauge, and push stick. This image provides an overview of the machine's main components.

### Schnitthöhe



### Durchlassbreite



### Sägebandlänge



1400 mm

### Sägebandbreite

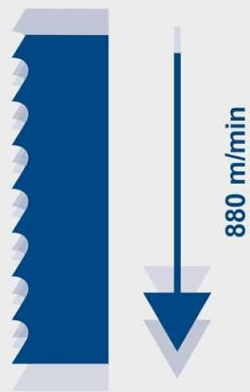


7 – 12 mm

**Figure 3.2:** Key dimensions for the HBS25 bandsaw. It illustrates the maximum cutting height of 80 mm, a clearance width of 200 mm, a saw blade length of 1400 mm, and compatibility with saw blade widths from 7 to 12 mm.

**Sägebandgeschwindigkeit**

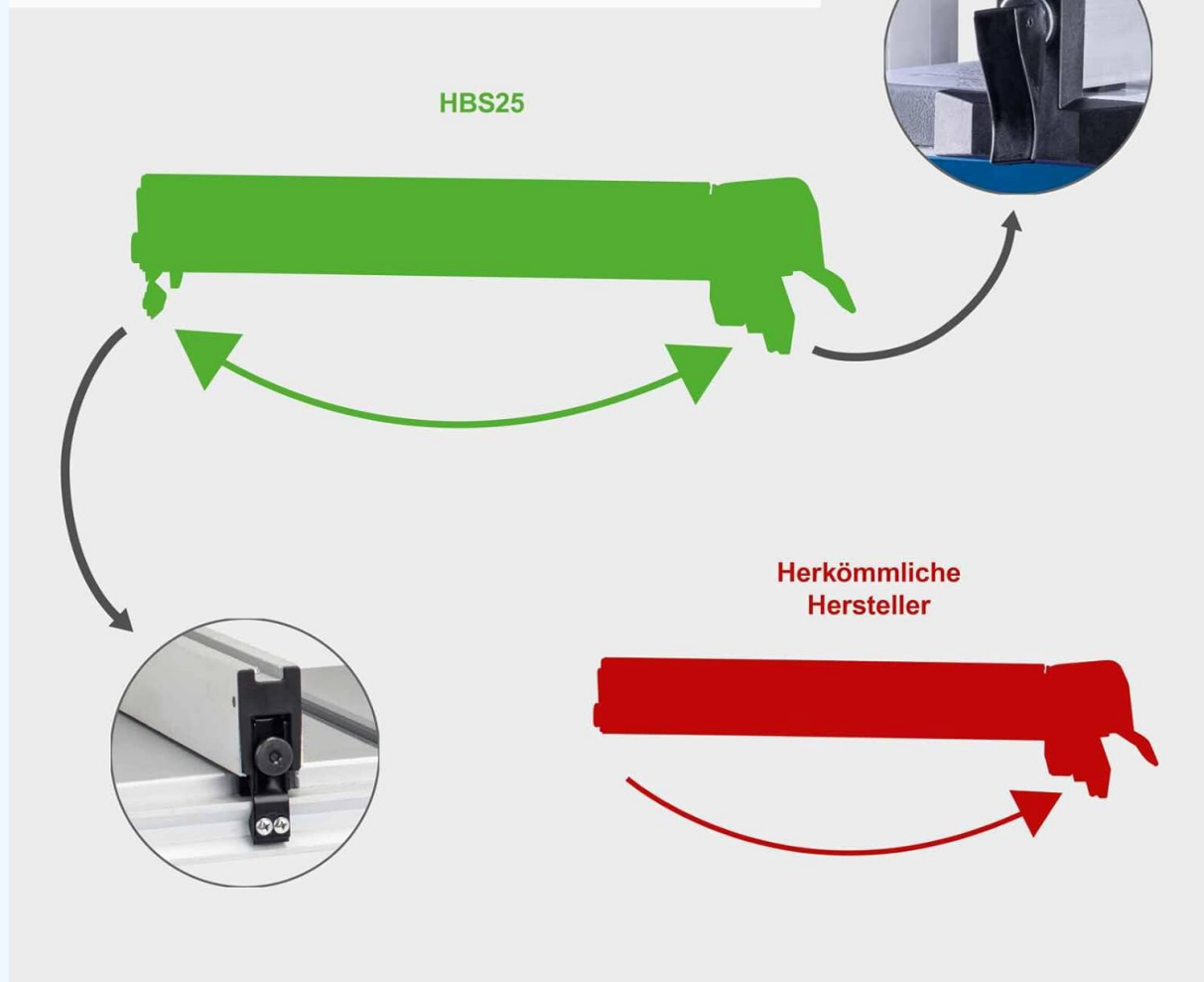
**Ansaugleistung 330 l/min**



200 mm

**Figure 3.3:** Performance metrics for the HBS25. The diagram highlights a saw blade speed of 880 m/min and an impressive suction capacity of 330 l/min for efficient dust removal.

Der beidseitig geführte Parallelanschlag garantiert präzise Sägeschnitte.  
Dieser lässt sich durch den Schnellspanverschluss einfach arretieren.



**Figure 3.4:** Comparison of the HBS25's double-guided parallel fence versus conventional designs. The HBS25's fence ensures precise saw cuts and can be easily locked with a quick-release fastener, enhancing accuracy and stability.

## 4. SETUP AND ASSEMBLY

The Scheppach HBS25 Bandsaw comes largely pre-assembled. Follow these steps for final setup:

1. **Unpacking:** Carefully remove all components from the packaging. Check for any shipping damage or missing parts. Refer to the packing list for included items (Bandsaw, Parallel fence, Crosscut gauge, Push stick).
2. **Placement:** Place the bandsaw on a stable, level workbench or stand. Ensure there is sufficient space around the machine for safe operation and material handling.
3. **Table Assembly (if required):** If the work table is not pre-attached, secure it according to the instructions, ensuring it is level and stable.
4. **Blade Installation/Check:** The saw blade is typically pre-installed. Verify that the blade is correctly tensioned and aligned within the ball-bearing guides. Adjust if necessary (refer to blade tensioning

section in operating).

5. **Parallel Fence and Crosscut Gauge:** Familiarize yourself with the attachment and adjustment of the parallel fence and crosscut gauge. The parallel fence features a quick-release fastener for easy locking.
6. **Dust Extraction Connection:** Connect a suitable dust extraction system to the machine's dust port. This is crucial for maintaining a clean work environment and clear visibility.
7. **Power Connection:** Plug the machine into a grounded power outlet. Ensure the power switch is in the "OFF" position before connecting.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Basic Operation

1. **Power On:** Press the green "ON" button on the dust-proof safety switch to start the motor.
2. **Power Off:** Press the red "OFF" button to stop the motor. In an emergency, the large red button can be pressed for immediate shutdown.
3. **Blade Speed:** The HBS25 operates at a fixed blade speed of 880 m/min, suitable for a wide range of wood materials.

### 5.2 Cutting Techniques



## ANWENDUNGSBEISPIELE

### GEEIGNET FÜR

#### Auftrennen



#### Winkelschnitte



#### Kurvenschnitte



**Figure 5.1:** Illustrates the versatility of the HBS25 bandsaw, capable of performing ripping cuts (straight cuts along the grain), precise angle cuts, and intricate curve cuts.

Mit der HBS25 lässt sich sowohl Weich-  
wie auch Hartholz optimal bearbeiten.



**Figure 5.2:** Demonstrates the HBS25 bandsaw in action, showing how it can optimally process both soft and hardwood. Always use appropriate safety measures and guides when cutting.

### 5.2.1 Ripping Cuts (Straight Cuts)

- Adjust the parallel fence to the desired width. Ensure it is securely locked using the quick-release fastener.
- Place the workpiece against the fence and gently feed it into the blade. Use the push stick for the final portion of the cut.

### 5.2.2 Angle Cuts (Miter Cuts)

Winkelschnitte sind durch den stufenlos neigbaren Säge Tisch einfach und schnell umsetzbar.



**Figure 5.3:** The continuously tiltable saw table of the HBS25, allowing for easy and quick implementation of angle cuts up to 45 degrees. This feature is essential for miter cuts.

Der stabile Säge Tisch ist ideal für extra große Werkstücke.



**Figure 5.4:** The stable and spacious work table (300 x 300 mm) of the HBS25, which is ideal for safely handling extra large workpieces and provides ample support during cutting operations.

- Loosen the table locking knob and tilt the work table to the desired angle (up to 45°). Securely tighten the knob.
- Use the crosscut gauge or a suitable jig to guide the workpiece through the blade at the set angle.

### 5.2.3 Curve Cuts (Contour Cutting)



Selbst filigrane Sägearbeiten lassen sich dank der verschiedenen Sägebandbreiten mühelos umsetzen.

**Figure 5.5:** Examples of delicate sawing work that can be effortlessly achieved with the HBS25, thanks to its compatibility with various saw blade widths (7-12mm) allowing for precise contour cutting.

- For curve cuts, remove the parallel fence.
- Select a narrower blade (e.g., 7mm) for tighter curves.
- Slowly feed the workpiece into the blade, guiding it along the desired curve. Avoid forcing the material.

### 5.3 Blade Tension and Tracking

Proper blade tension and tracking are crucial for accurate cuts and blade longevity. The HBS25 features ball-bearing blade guides for exact results.

- **Tension Adjustment:** Use the tension knob (usually at the top of the machine) to apply appropriate tension to the blade. The blade should be taut but not overly tight.
- **Tracking Adjustment:** Adjust the blade tracking wheel (often at the back or side of the upper wheel) so the blade runs centrally on the rubber tires of the wheels.
- **Guide Adjustment:** Position the blade guides (both upper and lower) close to the blade without touching it when idle. They should support the blade just behind the teeth.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Scheppach HBS25 Bandsaw.

- **Cleaning:** After each use, disconnect the power and clean the machine, especially the work table, blade guides, and dust collection port. Remove sawdust and debris using a brush or vacuum cleaner.
- **Blade Inspection:** Regularly inspect the saw blade for sharpness, damage, or cracks. Replace dull or damaged blades immediately.
- **Blade Guides:** Check the ball-bearing blade guides for wear and proper alignment. Clean any accumulated sawdust from the guides.
- **Wheel Tires:** Inspect the rubber tires on the band wheels for wear or damage. Worn tires can affect blade tracking.
- **Lubrication:** Apply a light coat of wax or dry lubricant to the work table to reduce friction and prevent rust. Consult the manual for any specific lubrication points for moving parts.
- **Dust Collection System:** Regularly empty the dust bag or container of your external dust extraction system. Ensure the connection to the bandsaw is clear and unobstructed.
- **Electrical Components:** Periodically check the power cord and plug for damage. Ensure the safety switch operates correctly.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not start	No power supply; Safety switch tripped; Motor overload.	Check power cord and outlet; Reset safety switch; Allow motor to cool down.
Blade wanders or cuts inaccurately	Incorrect blade tension; Improper blade tracking; Worn blade guides; Dull blade.	Adjust blade tension; Adjust blade tracking; Clean/adjust/replace blade guides; Replace blade.
Excessive vibration or noise	Loose components; Worn blade or wheel tires; Unbalanced blade.	Check and tighten all fasteners; Inspect and replace worn parts; Replace blade.
Blade breaks frequently	Over-tensioned blade; Incorrect blade type for material; Forcing cut; Misaligned guides.	Reduce blade tension; Use appropriate blade; Do not force cuts; Realign guides.
Poor dust collection	Clogged dust port/hose; Full dust bag; Weak suction.	Clear obstructions; Empty dust bag; Check dust extractor performance.

## 8. SPECIFICATIONS



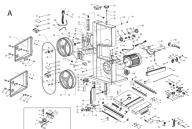
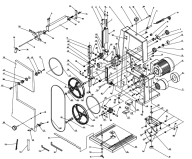

Feature	Specification
Model Number	5901513901 (HBS25)
Manufacturer	Scheppach
Product Dimensions (L x W x H)	44 x 38 x 68.5 cm
Item Weight	14.8 Kilograms
Color	Blue
Drive Type	Electric
Voltage	230 Volt
Wattage	350 Watt
Motor Speed	1400 Revolutions per Minute
Saw Blade Speed	880 m/min
Max Cutting Height (at 90°)	80 mm
Max Clearance Width	200 mm
Work Table Dimensions	300 x 300 mm
Table Tilt Range	0° – 45°
Saw Blade Length	1400 mm
Compatible Saw Blade Widths	7 – 12 mm
Blade Material	High-speed steel
Recommended Surface	Wood materials
Special Features	Ball-bearing blade guide, Dust collection system
Included Accessories	Bandsaw, Parallel fence, Crosscut gauge, Push stick

## 9. WARRANTY AND SUPPORT

Scheppach products are manufactured to high-quality standards. For warranty information, technical support, or spare parts, please contact your local Scheppach dealer or visit the official Scheppach website. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, you may refer to the official Scheppach store on Amazon:[Scheppach Store](#)

## Related Documents - 5901513901

	<p><a href="#">scheppach HBS25 Bandsäge Bedienungsanleitung</a></p> <p>Offizielle Bedienungsanleitung für die scheppach HBS25 Bandsäge. Enthält wichtige Informationen zu Sicherheit, Montage, Bedienung und Wartung für Heimwerker und Profis.</p>
	<p><a href="#">Scheppach HBS261 Bandsaw - Instruction Manual</a></p> <p>Instruction manual for the Scheppach HBS261 bandsaw, detailing its components, operation, and contact information for support. Includes diagrams illustrating key parts and adjustments.</p>
	<p><a href="#">Scheppach HBS30 Bandsaw Spare Parts List and Diagram</a></p> <p>Comprehensive spare parts list and diagram for the Scheppach HBS30 bandsaw, detailing components, part numbers, and descriptions for maintenance and repair. Includes English and German language references.</p>
	<p><a href="#">Scheppach Basa 1 Bandsaw Spare Parts List and Diagram</a></p> <p>Detailed spare parts list and exploded view diagram for the Scheppach Basa 1 Bandsaw (Model 5901502904 0102), including part numbers and descriptions in English and German. This document provides essential information for identifying and ordering replacement parts for the bandsaw.</p>
	<p><a href="#">Scheppach HM80L Undercut Miter Saw Manual</a></p> <p>Comprehensive manual for the Scheppach HM80L Undercut Miter Saw, covering operation, safety, maintenance, and technical specifications. Learn how to safely and effectively use your miter saw for various cutting tasks.</p>



### [Scheppach HBS261 Bandsäge Bedienungsanleitung](#)

Umfassende Bedienungsanleitung für die Scheppach HBS261 Bandsäge. Enthält Informationen zu Sicherheit, Montage, Bedienung, Wartung und technischen Daten.