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## Scheppach HS510

# Scheppach 505mm HS510 230V Tilting Saw User Manual

Model: HS510 | Brand: Scheppach

## 1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Scheppach HS510 505mm 230V Tilting Saw. The HS510 is a robust wood-cutting machine designed for efficiency and durability, featuring a welded steel construction, a 505 mm carbide blade, and a patented protective cover. Please read this manual thoroughly before initial use and keep it for future reference.

## 2. SAFETY INSTRUCTIONS

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

- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, and heavy-duty gloves. Avoid loose clothing or jewelry that could get caught in moving parts.
- **Work Area:** Ensure your work area is clean, well-lit, and free from obstructions. Keep children and bystanders at a safe distance.
- **Electrical Safety:** Connect the saw to a properly grounded 230V power outlet. Do not operate in wet conditions. Inspect the power cord for damage before each use.
- **Blade Safety:** Ensure the blade is sharp and correctly installed. Never attempt to remove jammed material while the saw is running. Always disconnect power before changing blades or performing maintenance.
- **Material Handling:** Securely position the log in the cradle before cutting. Do not overreach or force the saw. Maintain a firm grip on the material.
- **Machine Stability:** Ensure the saw is placed on a stable, level surface before operation.

## 3. SETUP

Before operating your Scheppach HS510 tilting saw, ensure it is properly assembled and positioned.

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present and undamaged.
2. **Assembly:** Follow the detailed assembly instructions provided in the separate assembly guide. This typically involves attaching the stand, log cradle, and wheels.

3. **Positioning:** Place the saw on a firm, level surface. The integrated wheels allow for easy movement to your desired cutting location.



The integrated wheels on the Scheppach HS510 tilting saw allow for easy maneuverability and transport of the machine around the workspace.

## 4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your tilting saw.

1. **Material Preparation:** Ensure logs are free of foreign objects (nails, stones) and are within the specified cutting diameter (30-170 mm) and length (250-1000 mm).
2. **Adjusting the Stop:** Use the adjustable stop to set the desired cutting length for consistent log pieces.
3. **Loading the Log:** Carefully place the log into the log cradle. Ensure it is seated firmly and cannot shift during the cut.
4. **Starting the Saw:** Engage the power switch. Allow the blade to reach full operating speed (2800 rpm) before beginning the cut.
5. **Making the Cut:** Gently tilt the log cradle downwards, allowing the log to contact the spinning blade. Apply steady, even pressure. Do not force the cut. The patented protective cover will engage during the cutting process for safety.

6. **Completing the Cut:** Once the cut is complete, allow the cradle to return to its upright position. Remove the cut piece and repeat the process for subsequent cuts.
7. **Shutting Down:** Turn off the power switch when finished or when leaving the saw unattended. Wait for the blade to come to a complete stop before performing any adjustments or maintenance.



This image shows a user operating the Scheppach HS510 tilting saw. A log is placed in the cradle, and the adjustable stop is utilized to ensure precise and consistent cutting lengths.

**scheppach**

**Germany**

## **505 MM WIPPKREISSÄGE HS510**

**Motor: 230 V~**

**Motorleistung: 3,0 kW**

**Sägeblatt-Ø: 505 mm**

**Schnitt-Ø max.: 170 mm**

**Schnittlänge min. – max.:  
200 – 1000 mm**



A detailed view of the Scheppach HS510 tilting saw, focusing on the patented protective flap mechanism designed to enhance operational safety.

## **5. MAINTENANCE**

Regular maintenance ensures the longevity and safe operation of your Scheppach HS510.

- Cleaning:** After each use, disconnect the power and clean the saw. Remove sawdust and debris from the blade guard, motor housing, and log cradle using a brush or compressed air.
- Blade Inspection:** Regularly inspect the carbide blade for sharpness, damage, or missing teeth. A dull or damaged blade can cause kickback and reduce cutting efficiency. Replace blades as needed.
- Lubrication:** Periodically lubricate moving parts as indicated in the detailed service manual (if applicable) to ensure smooth operation.
- Fasteners:** Check all nuts, bolts, and screws for tightness. Tighten any loose fasteners to maintain structural integrity.
- Storage:** Store the saw in a dry, secure location, away from moisture and out of reach of children.

## **6. TROUBLESHOOTING**

This section addresses common issues you might encounter with your Scheppach HS510.

Problem	Possible Cause	Solution
Saw does not start	No power supply; Damaged power cord; Faulty switch	Check power connection and circuit breaker; Inspect power cord for damage; Contact qualified service personnel.
Reduced cutting performance	Dull or damaged blade; Incorrect blade installation; Overloading the motor	Replace or sharpen blade; Ensure blade is installed correctly; Reduce feed pressure, allow motor to recover.
Excessive vibration or noise	Loose fasteners; Damaged blade; Unbalanced log	Check and tighten all fasteners; Inspect and replace blade if damaged; Ensure log is balanced in the cradle.
Saw jams during cut	Log not properly supported; Forcing the cut; Dull blade	Ensure log is secure; Reduce feed pressure; Replace or sharpen blade.

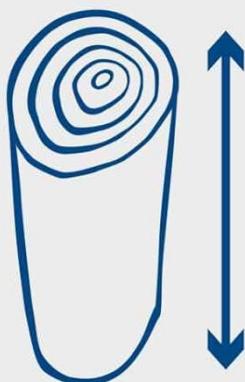
## 7. SPECIFICATIONS

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Technical data for the Scheppach HS510 505mm Tilting Saw.

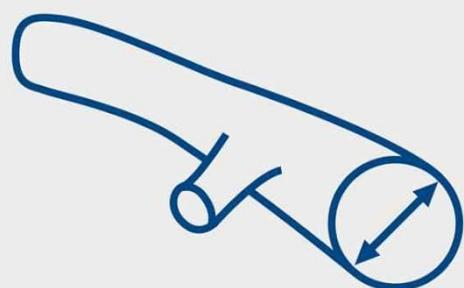
Feature	Specification
Manufacturer	SCHEPPACH
Model Number	HS510 (SC-HS510)
Power Source	Corded Electric
Voltage	230 Volts
Power	3000 Watts (3.0 kW)
Blade Diameter	505 mm
Speed (No Load)	2800 rpm
Max. Cutting Diameter	170 mm
Cutting Length Range	250 - 1000 mm
Item Weight	75 Kilograms
Product Dimensions (L x W x H)	102.5 x 80.9 x 101.5 cm (assembled)
Blade Material	High-speed steel (Carbide)
Special Features	Tilting Function, Patented Protective Cover, Retractable Log Cradle Extension
Certification	CE
Spare Parts Availability	10 Years

**Schnittlänge**



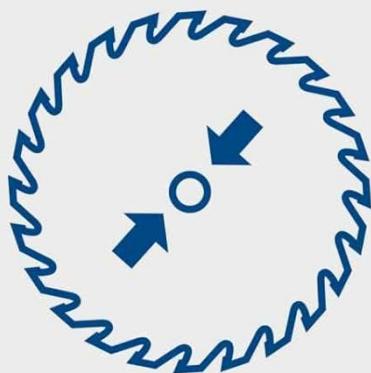
**250 – 1000 mm**

**Schnittdurchmesser**



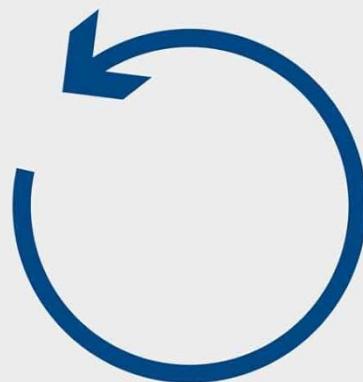
**30 – 170 mm**

**Sägeblattdurchmesser**



**505 mm**

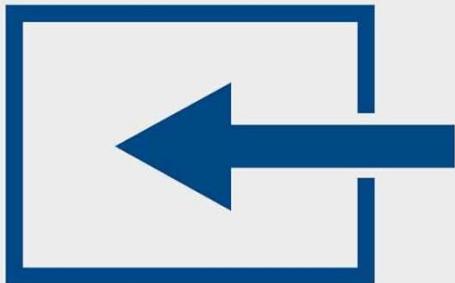
**Drehzahl  $2800 \text{ min}^{-1}$**



This diagram visually represents the key operational specifications: a cutting length range of 250 to 1000 mm, a cutting diameter range of 30 to 170 mm, a saw blade diameter of 505 mm, and a rotation speed of 2800 revolutions per minute.

3000 W

Patentierte Schutzklappe



This image highlights the saw's 3000 Watt power output and its patented protective flap, designed for enhanced user safety during operation.

## 8. WARRANTY AND SUPPORT

Scheppach products are manufactured with high-quality materials and undergo strict quality control. In the unlikely event of a defect, please refer to your purchase documentation for warranty terms and conditions. For technical support, spare parts, or service inquiries, please contact your authorized Scheppach dealer or visit the official Scheppach website for contact information.