

Bosch Professional GTS 254

Bosch Professional GTS 254 Table Saw User Manual

Model: GTS 254 (0.601.B45.000)

1. INTRODUCTION AND OVERVIEW

The Bosch Professional GTS 254 Table Saw is engineered for demanding applications, offering precision and stability for various cutting tasks. Its robust design features a 35 mm thick flat steel table, ensuring durability and accurate cuts. The table extension provides ample support for larger workpieces, maintaining consistent height with the main table. The self-adjusting cross-cut fence and stable metal base contribute to reliable performance and user safety.

This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your GTS 254 Table Saw. Please read all instructions carefully before use to ensure optimal performance and to prevent injury.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Read the entire manual:** Understand all warnings, instructions, and specifications provided with the tool.
- **Wear appropriate personal protective equipment (PPE):** Always use safety glasses, hearing protection, and a dust mask. Avoid loose clothing or jewelry that could get caught in moving parts.
- **Ensure a safe work area:** Keep the work area clean, well-lit, and free from obstructions. Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Secure the workpiece:** Always use clamps or other methods to secure the workpiece to prevent movement during cutting.
- **Maintain proper footing and balance:** Do not overreach. Keep proper footing and balance at all times.
- **Use the correct blade:** Ensure the saw blade is sharp, clean, and suitable for the material being cut.

Never use damaged or dull blades.

- **Keep guards in place:** Never operate the saw without all guards properly installed and functioning.
- **Disconnect power before adjustments:** Always unplug the saw from the power source before making any adjustments, changing accessories, or performing maintenance.
- **Avoid kickback:** Use a push stick for narrow cuts and ensure the workpiece is properly supported. Never stand directly in line with the saw blade.

3. SETUP

3.1 Unpacking and Assembly

Carefully remove all components from the packaging. Inspect for any damage. Assemble the metal stand according to the included diagrams, ensuring all fasteners are securely tightened. Mount the saw unit onto the assembled stand.

3.2 Blade Installation

1. Ensure the saw is unplugged.
2. Remove the blade guard and throat plate.
3. Use the provided wrench to loosen the arbor nut.
4. Place the new blade onto the arbor, ensuring the teeth are pointing towards the front of the saw.
5. Secure the arbor nut firmly.
6. Reinstall the throat plate and blade guard.

3.3 Power Connection

Connect the saw to a grounded 230 Volt AC power outlet. Ensure the circuit can handle the 1800 Watt power consumption and 15 Ampere current rating of the saw.



Image: Bosch Professional GTS 254 Table Saw with overall dimensions (690mm L x 620mm W x 1000mm H).

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

To start the saw, press the green ON button. To stop, press the red OFF button. Always allow the blade to reach full speed before beginning a cut and allow it to stop completely before leaving the machine.

4.2 Adjusting Blade Height and Angle

The blade height and angle can be adjusted using the handwheels located on the front of the saw. Rotate the height adjustment wheel to raise or lower the blade. Use the angle adjustment lever and wheel to set the desired bevel angle, up to 45 degrees.

4.3 Using the Rip Fence

The rip fence is used for making parallel cuts. Position the fence to the desired width and lock it securely. Always ensure the fence is parallel to the blade to prevent binding and kickback.



Image: A user performing a rip cut on the Bosch GTS 254 table saw, demonstrating the use of the rip fence and proper hand placement.

4.4 Cross-Cutting

For cross-cutting, use the miter gauge. Ensure the workpiece is firmly against the miter gauge and the table. Never freehand a cross-cut.



Image: A user performing a cross-cut on the Bosch GTS 254 table saw, utilizing the miter gauge for accurate cuts.

4.5 Dust Extraction

The GTS 254 is equipped with a dust extraction port. Connect a suitable dust extractor to minimize airborne dust and keep the work area clean. This improves visibility and reduces health risks.



Image: Close-up view of the Bosch GTS 254 table saw blade and transparent guard during operation, showing the cutting action.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your table saw.

- **Cleaning:** After each use, disconnect the power and clean the saw thoroughly. Remove sawdust and debris from the table, fence, and blade guard. Use compressed air for hard-to-reach areas.
- **Blade Inspection and Replacement:** Regularly inspect the saw blade for sharpness, cracks, or missing teeth. Replace dull or damaged blades immediately.
- **Lubrication:** Periodically lubricate moving parts such as the blade height and angle adjustment mechanisms according to the manufacturer's recommendations.
- **Power Cord Inspection:** Check the power cord for any signs of damage, cuts, or fraying. Replace damaged cords immediately.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your table saw.

Problem	Possible Cause	Solution
Saw does not start	No power supply; tripped circuit breaker; faulty switch	Check power connection; reset circuit breaker; contact service for switch replacement
Blade binds or stalls during cut	Dull blade; improper fence alignment; workpiece not supported	Replace blade; ensure fence is parallel to blade; use push stick and outfeed support
Excessive vibration	Loose blade; damaged blade; unstable stand	Tighten blade arbor nut; replace damaged blade; ensure stand is stable and all bolts are tight
Poor cut quality (rough, splintering)	Dull or incorrect blade; incorrect blade height	Replace blade with appropriate type for material; adjust blade height so teeth clear workpiece by 1/8 inch

7. SPECIFICATIONS

Feature	Specification
Model Number	GTS 254 (0.601.B45.000)
Brand	Bosch Professional
Power Input	1800 Watts
Voltage	230 Volts
Rated Current	15 Amperes
No-load Speed	4500 RPM
Blade Diameter	254 mm (implied by model name, though spec lists 265mm BladeLength)
Max. Cutting Angle	45 Degrees

Feature	Specification
Table Material	Steel
Dimensions (L x W x H)	69 cm x 62 cm x 100 cm
Weight	18 Kilograms
Country of Origin	China

8. WARRANTY AND SUPPORT

8.1 Limited Warranty

This Bosch Professional GTS 254 Table Saw comes with a limited warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration. The warranty covers defects in materials and workmanship under normal use.

8.2 Customer Support

For technical assistance, spare parts, or warranty claims, please contact Bosch Professional customer service. Have your model number (GTS 254) and serial number ready when contacting support. You can find contact information on the Bosch Professional website or in the documentation provided with your product.