

Ingco TS150078

INGCO Table Saw TS150078 User Manual

Model: TS150078

1. SAFETY INSTRUCTIONS

Always observe basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating this table saw.

General Power Tool 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 hearing protection when operating noisy tools. Dress properly; avoid loose clothing or jewelry that can get caught in moving parts. Do not overreach; keep proper footing and balance at all times.

Table Saw Specific Safety

- **Blade Guard:** Ensure the blade guard is always in place and functioning correctly before operation.
- **Kickback Prevention:** Use a push stick or push block for narrow cuts. Never stand directly in line with the saw blade.
- **Material Support:** Always support the workpiece adequately. Do not attempt to cut pieces that are too small to be safely controlled.
- **Adjustments:** Disconnect the power before making any adjustments to the saw blade, fence, or other components.
- **Maintenance:** Keep blades sharp and clean. Dull blades can cause kickback and strain the motor.



Figure 1.1: The INGCO Table Saw features a walking protective cover for enhanced safety during operation.

2. PRODUCT OVERVIEW

The INGCO Table Saw TS150078 is a robust and versatile power tool designed for precise cutting of various materials. It features a high-speed motor for smooth cuts, multi-angle adjustment capabilities, and a large working surface for improved handling of workpieces.

Key Features

- High-speed motor for smooth and efficient cutting.
- Multi-angle adjustment for versatile cutting operations.
- High precision for accurate cuts.
- Larger working surface (730x638mm total) for better material support.
- Walking protective cover for enhanced user safety.
- Adjustable backrest for more labor-saving cutting.
- 0-120° push plate for precise material guidance.
- Cutting angle adjustable by 45°.



Figure 2.1: The INGCO Table Saw features a high-speed motor for smooth and efficient cutting performance.



Figure 2.2: The table saw offers a larger working surface, with a total table size of 730x638mm, for improved material support.

3. SETUP AND ASSEMBLY

Carefully unpack all components and ensure all parts are present before beginning assembly. Refer to the included parts list for verification.

3.1 Unpacking

- Remove the table saw and all accessories from the packaging.
- Inspect for any shipping damage. If damage is found, do not operate the tool and contact customer support.
- Retain packaging materials for future transport or storage.

3.2 Stand Assembly

1. Attach the four legs to the main table saw unit using the provided bolts and nuts. Ensure all connections are secure.
2. Install the cross braces between the legs to provide stability. Tighten all fasteners.

3.3 Blade Installation (if not pre-installed)

1. Ensure the saw is unplugged from the power source.
2. Remove the throat plate from the table.
3. Using the appropriate wrench, loosen the arbor nut and remove the outer blade flange.
4. Place the new blade onto the arbor, ensuring the teeth are pointing towards the front of the saw.
5. Reinstall the outer blade flange and tighten the arbor nut securely.
6. Replace the throat plate.

3.4 Guard and Fence Installation

1. Attach the blade guard assembly over the saw blade, ensuring it moves freely and covers the blade effectively.
2. Mount the rip fence to the front rail of the table, ensuring it slides smoothly and locks securely parallel to the blade.

4. OPERATING INSTRUCTIONS

Familiarize yourself with all controls before operating the table saw. Always wear appropriate personal protective equipment.

4.1 Powering On/Off

- To turn on the saw, press the green 'ON' button.
- To turn off the saw, press the red 'OFF' button.

4.2 Adjusting Blade Height

The blade height adjustment wheel is typically located on the front of the saw. Rotate the wheel to raise or lower the blade. For most cuts, the blade should extend approximately 1/8 inch (3mm) above the workpiece.

4.3 Adjusting Blade Angle (Bevel Cuts)

The blade tilting range is 0°-45°. To adjust the blade angle for bevel cuts:

1. Loosen the bevel lock knob, usually located on the front or side of the saw.
2. Tilt the blade to the desired angle using the angle adjustment handle. Refer to the angle scale for precision.
3. Tighten the bevel lock knob securely before making a cut.



Figure 4.1: The control panel allows for easy multi-angle adjustment, enabling precise bevel cuts up to 45 degrees.

4.4 Using the Rip Fence

The rip fence is used for making parallel cuts along the length of a workpiece. Position the fence to the desired width from the blade and lock it securely. Ensure the fence is parallel to the blade to prevent binding and kickback.

4.5 Using the Push Plate (Miter Gauge)

The 0-120° push plate (miter gauge) is used for cross-cutting and making angled cuts across the width of a workpiece. Insert it into the miter slot on the table. Adjust the angle as needed and secure it. Always use the push plate for short or narrow pieces to keep hands away from the blade.



Figure 4.2: The 0-120° push plate ensures high precision and control for various cutting tasks.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your INGCO Table Saw. Always disconnect the power supply before performing any maintenance.

5.1 Cleaning

- After each use, clean sawdust and debris from the table, blade guard, and motor housing using a brush or vacuum cleaner.
- Wipe down metal surfaces with a clean, dry cloth. Avoid using harsh chemicals that could damage finishes.

5.2 Blade Replacement

Replace the saw blade when it becomes dull or damaged. Follow the blade installation steps outlined in Section 3.3. Always use blades of the correct size and type (254mm x 16mm) for your table saw.

5.3 Motor Care

Ensure the motor's ventilation openings are kept clear of dust and debris to prevent overheating. Do not attempt to lubricate internal motor components.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your table saw. For problems not listed here, contact qualified service personnel.

Problem	Possible Cause	Solution
Saw does not start	No power supply; Faulty switch; Overload protection tripped	Check power connection; Test switch; Reset overload protector
Poor cut quality (rough, splintering)	Dull or incorrect blade; Incorrect blade height; Improper feed rate	Replace blade; Adjust blade height; Use consistent, appropriate feed rate

Problem	Possible Cause	Solution
Excessive vibration	Loose blade; Damaged blade; Unstable stand	Tighten blade arbor nut; Replace damaged blade; Ensure stand is stable and all fasteners are tight
Blade binds or kickback occurs	Rip fence not parallel; Dull blade; Forcing workpiece; Improper technique	Adjust rip fence parallel to blade; Replace blade; Do not force workpiece; Review cutting techniques

7. SPECIFICATIONS

Technical specifications for the INGCO Table Saw TS150078.

Feature	Specification
Model Number	TS150078
Brand	Ingco
Power Source	Corded Electric
Voltage	220-240 V~50/60 Hz
Input Power	1500 Watts
No-load Speed	4500 RPM
Blade Size	254 mm x 16 mm
Blade Material	High Speed Steel
Max Cutting Capacity (90°)	85 mm
Max Cutting Capacity (45°)	60 mm
Blade Tilting Range	0°-45°
Main Table Size	430 mm x 640 mm
Extension Table Size (Left/Right)	640 mm x 150 mm
Total Table Size	730 mm x 638 mm
Product Dimensions	56L x 36W x 73H Centimeters
Item Weight	28 Kilograms
Handle Material	Plastic
Included Components	Table saw unit, Stand components, Blade guard, Rip fence, Push plate (miter gauge), Wrenches

8. WARRANTY AND SUPPORT

Warranty information for the INGCO Table Saw TS150078 is typically provided with the product packaging or can be

found on the official INGCO website. Please retain your proof of purchase for warranty claims.

For technical support, spare parts, or service inquiries, please contact INGCO customer service or visit their official website for authorized service centers.

Manufacturer: INGCO

Website: www.ingco.com