Skil TS6307-00

SKIL 15 Amp 10 Inch Portable Jobsite Table Saw

Model: TS6307-00

Brand: Skil

1. Product Overview

The SKIL TS6307-00 10-inch Jobsite Table Saw is designed for portability and precision. It features a 15-Amp motor capable of ripping through hardwoods, a 25-1/2 inch (64.77 cm) rip capacity, and an integrated folding stand for easy transport and storage. Key features include rack and pinion fence rails for accurate adjustments, parallel blade alignment, 0-45 degree bevel capacity, and a dust port elbow for efficient cleanup. This saw is equipped with a safety anti-restart switch and comes with a 10-inch 24-tooth carbide blade.



Figure 1.1: The SKIL TS6307-00 10-inch Portable Jobsite Table Saw with its integrated folding stand.

2. Safety Instructions

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

- **Wear Eye Protection:** Always wear safety goggles or safety glasses with side shields.
- **Wear Hearing Protection:** Prolonged exposure to noise from power tools can cause hearing damage.
- **Keep Work Area Clean:** Cluttered areas invite accidents.
- **Do Not Operate in Hazardous Environments:** Do not use power tools in damp or wet locations, or expose them to rain.

- **Keep Children Away:** All visitors should be kept a safe distance from the work area.
- **Use Proper Extension Cord:** Ensure extension cords are in good condition and suitable for outdoor use if applicable.
- **Avoid Accidental Starting:** Ensure the switch is in the OFF position before plugging in the tool.
- **Never Reach Over or Around the Blade:** Always keep hands clear of the cutting path.
- **Use a Push Stick:** When making narrow cuts, always use a push stick to keep hands away from the blade.
- **Secure Workpiece:** Always ensure the workpiece is firmly supported and guided.
- **Disconnect Power:** Always disconnect the saw from the power source before making adjustments, changing blades, or performing maintenance.

3. Unpacking and Contents

Carefully remove all components from the packaging. Inspect for any damage that may have occurred during shipping. If any parts are damaged or missing, do not operate the saw and contact customer service.

The following items are included with your SKIL TS6307-00 Table Saw:

- Table Saw with Integrated Folding Stand
- Blade Guard Assembly
- Push Stick
- Miter Gauge
- Anti-Kick-Back Pawl
- Dust Port Elbow
- 2 Pieces Wrench
- Riving Knife
- Rip Fence
- 24-Tooth Carbide Blade (10-inch)
- Drive Knob with Washer and Hex Screw

4. Assembly

4.1 Integrated Folding Stand Setup

The table saw features an integrated folding stand for quick setup and breakdown. To deploy the stand, unlock the leg mechanisms and extend the legs until they securely lock into place. Ensure all four legs are fully extended and stable before operating the saw.



Figure 4.1: A user demonstrating the folding mechanism of the integrated stand for portability.

4.2 Attaching Blade Guard and Anti-Kickback Pawl

Install the blade guard assembly and anti-kickback pawl according to the instructions in your detailed manual. These components are crucial for safe operation and must always be in place when making through-cuts.

4.3 Installing the Rip Fence and Miter Gauge

Slide the rip fence onto the front and rear rails. Ensure it locks securely and is parallel to the blade. The miter gauge can be inserted into either of the miter slots on the table top.

4.4 Connecting the Dust Port Elbow

Attach the dust port elbow to the saw's dust collection outlet. This elbow redirects sawdust, allowing for connection to a shop vacuum or a collection container for a cleaner work environment.



Figure 4.4: The dust port elbow attached to the saw, designed to redirect sawdust for collection.

5. Operating Instructions

5.1 Powering On/Off

To turn the saw ON, lift the safety cover and press the green 'I' button. To turn the saw OFF, press the red 'O' button or push down the safety cover. The saw features a safety anti-restart switch to prevent accidental startup after a power outage.

5.2 Adjusting the Rip Fence

The saw is equipped with rack and pinion fence rails for precise and smooth adjustments. To adjust the rip fence, unlock the fence lever, turn the adjustment knob to move the fence to the desired position, and then lock the lever. This system ensures the fence remains parallel to the blade for accurate cuts.



Figure 5.2: The rack and pinion system allows for fine and accurate adjustments of the rip fence.

5.3 Parallel Blade Alignment

The saw allows for micro-adjustment of the blade to ensure it is perfectly parallel to the rip fence and miter slot. Refer to the detailed manual for specific instructions on how to perform this alignment for optimal cutting precision.



Figure 5.3: A hand making a micro-adjustment to ensure the blade is parallel to the fence.

5.4 Bevel Angle Adjustment

The saw offers a 0-45 degree bevel capacity. Use the quick-release lever to adjust the blade angle between these two positive stops. This allows for angled cuts on your workpiece.



Figure 5.4: The bevel adjustment mechanism with a quick-release lever for setting angles between 0 and 45 degrees.

5.5 Cutting Capacity

The SKIL TS6307-00 can cut material up to 4x4 inches at a 90-degree angle, providing ample capacity for common lumber sizes.



Figure 5.5: The table saw in operation, cutting a workpiece to demonstrate its 4x4 cutting capability.

5.6 Blade Installation and Removal

To change the blade, ensure the saw is unplugged. Use the provided wrenches to loosen the arbor nut and remove the existing blade. Install the new 10-inch blade, ensuring the teeth are oriented correctly, and tighten the arbor nut. When using a dado insert, this table saw requires an 8-inch dado blade set.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your table saw. Always disconnect the power before performing any maintenance.

- **Cleaning:** Regularly clean sawdust and debris from the table top, fence rails, and motor housing. Use compressed air for hard-to-reach areas.
- **Blade Inspection:** Inspect the blade for sharpness and damage before each use. Replace dull or damaged blades

immediately.

- **Fence and Miter Gauge:** Keep the rip fence and miter gauge clean and free of debris to ensure smooth movement and accurate cuts.
- **Motor Vents:** Ensure motor ventilation openings are clear to prevent overheating.
- **Cord Inspection:** Check the power cord for any signs of damage or fraying.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Saw does not start	No power, safety switch engaged, power outage	Check power connection, ensure safety switch is disengaged, reset anti-restart switch if applicable.
Inaccurate cuts	Fence not parallel, dull blade, incorrect blade alignment	Adjust rip fence for parallelism, replace blade, perform parallel blade alignment.
Excessive dust	Dust port clogged, dust collection system not connected	Clear dust port, ensure dust collection system is properly attached and functioning.
Motor overheating	Blocked vents, prolonged heavy use	Clear motor vents, allow saw to cool down, reduce load on the motor.

8. Technical Specifications

Specification	Detail
Brand	Skil
Model Number	TS6307-00
Power Source	Corded Electric
Voltage	120 Volts
Wattage	1800 watts
Speed	15 Amps
Blade Length	10 Inches
Blade Material	High Speed Steel (24T Carbide Blade included)
Rip Capacity	25-1/2 inches (64.77 cm)
Bevel Capacity	0-45 Degrees
Cutting Capacity (90°)	4x4 inches
Product Dimensions (L x W x H)	28.74" x 27.17" x 16.93"
Item Weight	49.9 pounds

Specification	Detail
Special Feature	Brake, Anti-Restart Switch

9. Warranty and Support

9.1 Warranty Information

This SKIL TS6307-00 Table Saw comes with a**3 Year Limited Warranty**. Please refer to the warranty card included with your product for full terms and conditions, or visit the official Skil website for detailed warranty information.

9.2 Customer Support

For technical assistance, replacement parts, or any questions regarding your product, please visit the official Skil website or contact their customer service department. Contact details can typically be found on the manufacturer's website or in the product packaging.

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