Skil TS6308-00

SKIL 15 Amp 8-1/4" Compact Portable Jobsite Table Saw

Model: TS6308-00 | Brand: Skil

1. Introduction and Overview

The SKIL 15 Amp 8-1/4 In. Compact Table Saw is engineered for versatility and power, suitable for a wide range of cutting applications from deck boards to plywood. Its design prioritizes portability and precision, making it an ideal tool for jobsite use or home projects.



Overall view of the SKIL 15 Amp 8-1/4 inch Compact Portable Jobsite Table Saw.

Key Features:

- **Rack and Pinion Fence Rails:** Ensures the fence remains parallel to the blade for fast, smooth, and accurate cuts.
- **Powerful 15 Amp Motor:** Provides ample power for various cutting applications.
- **Compact Size:** Designed for easy transportation and convenient storage.
- **Aluminum Table:** Offers accurate, high-quality cutting performance with a 24-1/2-inch rip capacity and 2-1/2-inch depth of cut at 0 degrees.
- **Safety Switch:** Enables immediate shutdown for enhanced user safety.
- **Parallel Blade Alignment:** Allows for micro-adjustment of the blade to ensure it is parallel to the rip fence and miter slot for precise cuts.
- **Dust Port Elbow:** Redirects dust to a container for easier cleanup.

2. Safety Information

Always prioritize safety when operating power tools. Read and understand all instructions before use. Failure to follow these warnings may result in serious personal injury.

- **Wear Eye Protection:** Always wear ANSI Z87.1 approved safety goggles or safety glasses with side shields.
- **Wear Hearing Protection:** Prolonged exposure to loud noise can cause hearing damage.
- **Keep Work Area Clean:** Cluttered areas and benches invite accidents.
- **Avoid Dangerous Environment:** Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit.
- **Keep Children Away:** All visitors should be kept a safe distance from the work area.
- **Use Proper Guarding:** Ensure all guards are in place and functioning correctly before operation.
- **Use Push Sticks:** Always use a push stick when making narrow cuts or when your hands are close to the blade.
- **Disconnect Power:** Always disconnect the saw from the power source before making adjustments, changing blades, or performing maintenance.
- **Secure Workpiece:** Always ensure the workpiece is firmly supported and guided.



The safety switch provides immediate power shutdown for enhanced safety during operation.

3. Components and Included Parts

The SKIL TS6308-00 Table Saw comes with the following components:

- (1) Anti-Kickback Pawls
- (2) Blade Change Wrenches
- (1) Miter Gauge
- (1) Push Stick
- (1) Modular Guard System
- (1) Fence
- (1) Dust Port Elbow
- (1) 8-1/4" Carbide-tipped Blade (pre-installed or included)

4. Setup

Follow these steps to set up your SKIL Table Saw for first use:

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Placement:** Place the table saw on a stable, level surface. Ensure adequate space around the saw for safe operation and material handling. The compact size allows for easy placement on a workbench.
3. **Blade Installation (if not pre-installed):**
    - Disconnect the saw from power.
    - Remove the throat plate.
    - Use the provided blade wrenches to loosen the arbor nut.
    - Install the blade with the teeth pointing towards the front of the saw.
    - Tighten the arbor nut securely.
    - Replace the throat plate.
4. **Guard System Assembly:** Attach the modular guard system, anti-kickback pawls, and riving knife according to the detailed instructions in the full manual. Ensure they move freely and are properly aligned.
5. **Fence and Miter Gauge:** Install the rip fence onto the rack and pinion rails. Ensure it slides smoothly and locks securely. The miter gauge slides into the miter slot on the table.
6. **Dust Collection:** Attach the dust port elbow to a dust collection system or a suitable container for efficient chip removal.
7. **Initial Checks:** Before connecting to power, manually check that the blade rotates freely and all components are secure.



The compact size of the saw makes it easy to transport and set up on various work surfaces.

5. Operating Instructions

Familiarize yourself with the saw's controls and features before making cuts.

1. **Power Connection:** Connect the saw to a suitable 15 Amp power outlet.
2. **Blade Height Adjustment:** Use the height adjustment knob to set the blade height. For most cuts, the blade should extend approximately 1/8 inch above the workpiece.
3. **Bevel Angle Adjustment:** To make bevel cuts, loosen the bevel lock knob and tilt the blade to the desired angle (up to 45 degrees). Tighten the lock knob securely.
4. **Rip Fence Adjustment:**
    - Unlock the rip fence.

- Use the rack and pinion adjustment knob to move the fence to the desired width.
- Refer to the measurement scale on the table.
- Lock the fence securely in place.



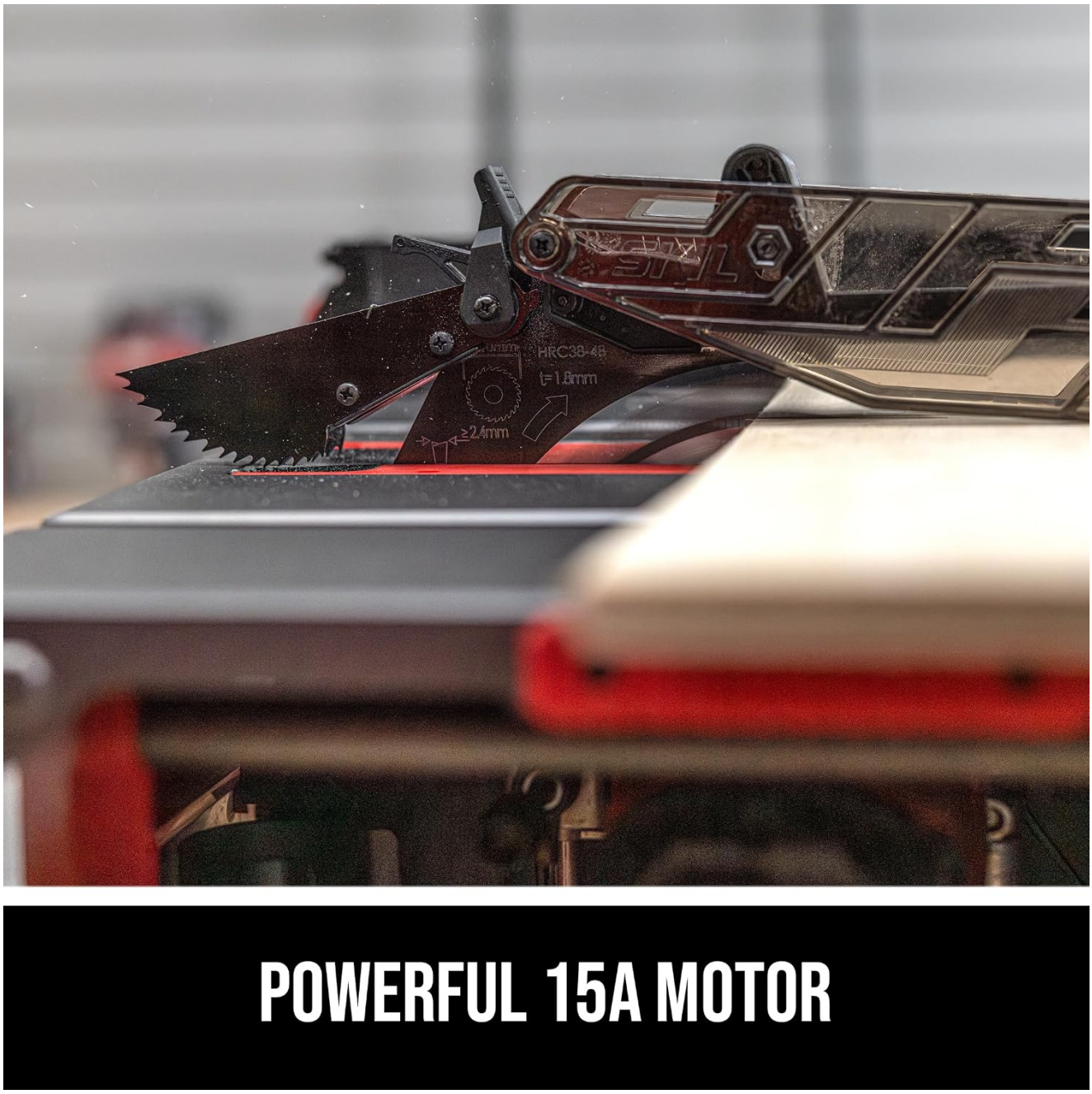
The rack and pinion fence rails allow for smooth and accurate adjustments.

5. **Making a Cut:**
   - Ensure the workpiece is free of obstructions and foreign objects.
   - Position the workpiece against the fence or miter gauge.
   - Turn on the saw using the safety switch. Allow the blade to reach full speed.
   - Slowly and steadily feed the workpiece into the blade, maintaining firm contact with the table and fence/miter gauge.
   - Use the push stick to guide the workpiece through the final portion of the cut, especially for narrow pieces.
   - Once the cut is complete, turn off the saw and wait for the blade to stop completely before removing the workpiece or off-cuts.



PARALLEL BLADE ALIGNMENT

The parallel blade alignment ensures precise and accurate cuts.



The powerful 15 Amp motor provides consistent performance for various materials.

Official Product Video:

Your browser does not support the video tag.

Official product video demonstrating the key features and operation of the SKIL 8-1/4" Compact Portable Jobsite Table Saw.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your table saw.

1. **Cleaning:**
    - Always disconnect power before cleaning.
    - Remove sawdust and debris from the table, fence, and motor housing after each use.
    - Use a brush or vacuum cleaner. Avoid using solvents that could damage plastic parts.
2. **Blade Care:**

- Keep the blade clean and sharp. A dull blade can cause kickback and poor cuts.
- Clean resin and pitch buildup from the blade using a blade cleaner.
- Replace damaged or excessively dull blades promptly.

3. **Table Surface:**
   - Keep the aluminum table surface clean and free of rust.
   - Apply a thin coat of paste wax or a dry lubricant to reduce friction and protect the surface.



The aluminum table surface requires regular cleaning and protection for optimal performance.

4. **Fence and Rails:** Periodically clean and lubricate the rack and pinion fence rails to ensure smooth operation.
5. **Cord Inspection:** Regularly inspect the power cord for any signs of damage. Replace if necessary.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Saw does not start	No power, faulty switch, tripped circuit breaker.	Check power connection, ensure safety switch is engaged, reset circuit breaker.
Blade binds or smokes	Dull blade, improper blade alignment, fence not parallel, feeding too fast.	Replace/sharpen blade, check blade and fence alignment, reduce feed rate.
Inaccurate cuts	Fence not parallel, miter gauge not square, blade not aligned.	Verify fence and blade alignment, check miter gauge for squareness.
Excessive vibration	Loose blade, damaged blade, unstable surface.	Ensure blade is securely tightened, inspect blade for damage, place saw on a stable surface.

For more detailed troubleshooting, refer to the complete user manual or contact Skil customer support.

8. Specifications

Attribute	Detail
Brand	Skil
Model Number	TS6308-00
Power Source	Corded Electric
Amperage	15 Amp
Blade Diameter	8-1/4 inches
Rip Capacity (Right)	24-1/2 inches
Depth of Cut (0 degrees)	2-1/2 inches
Blade Material	Carbide
Item Weight	39.8 pounds
Product Dimensions (L x W x H)	25.98" x 22.83" x 12.99"
UPC	195532201183

9. Warranty and Support

Skil products are designed for durability and performance. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official Skil website.

For technical assistance, replacement parts, or service inquiries, please contact Skil Customer Support. Have your model number (TS6308-00) and serial number ready when contacting support.

You can also visit the official Skil Store for more information and accessories:Skil Official Store

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