

Robert Sorby TS1213

Robert Sorby TS1213 12-inch Tenon Saw User Manual

INTRODUCTION

This manual provides essential information for the safe and effective use of your Robert Sorby TS1213 12-inch Tenon Saw. Please read these instructions carefully before using the tool to ensure proper operation, maintenance, and longevity.

PRODUCT OVERVIEW

The Robert Sorby TS1213 is a high-quality 12-inch tenon saw designed for precision woodworking. It features a robust construction and fine tooth line for controlled cutting.

Key Features:

- Made from durable alloy spring steel.
- Laser marked with the distinctive Kangaroo logo.
- Equipped with a traditional Sapele handle for comfortable grip.
- Features a straight tooth line for accurate cuts.
- Hand sharpened blade, designed for re-sharpening.
- Brass-plated screws and medallion enhance durability and aesthetics.
- 13 TPI (Teeth Per Inch) for controlled depth and direction of cut.

Components:



An overhead view of the Robert Sorby TS1213 12-inch Tenon Saw. It features a polished steel blade, a brass spine, and a traditional Sapele wooden handle with brass-plated screws and a medallion. The blade is marked with "THE KANGAROO SAW" and "ROBERT SORBY & SONS. MADE IN SHEFFIELD ENGLAND."

The saw consists of a high-quality alloy spring steel blade, a brass spine that adds rigidity, and a Sapele wooden handle secured with brass-plated screws. The 12-inch blade is designed for precise cutting tasks, particularly tenons and other joinery.

SETUP

1. **Unpacking:** Carefully remove the saw from its packaging. Inspect the blade and handle for any signs of damage.
2. **Initial Cleaning:** Wipe the blade with a clean, dry cloth to remove any protective oils or residues from manufacturing.
3. **Workpiece Preparation:** Ensure your workpiece is securely clamped or held in a vise. Mark your cut lines clearly and accurately.
4. **Safety Check:** Always wear appropriate safety gear, including eye protection. Ensure your work area is clear and well-lit.

OPERATING INSTRUCTIONS

Using a tenon saw effectively requires proper technique to achieve clean and accurate cuts.

1. **Grip:** Hold the Sapele handle firmly but comfortably. Your index finger can extend along the spine for added control.
2. **Starting the Cut:** Position the saw blade on your marked line. Use your thumb or a guide block to steady the blade. Initiate the cut with a gentle pull stroke, allowing the saw's weight to do the work.
3. **Cutting Stroke:** Maintain a consistent angle and pressure. Use long, smooth strokes, engaging the full length of the blade. The 13 TPI design provides excellent control for precise cuts.
4. **Maintaining the Line:** Periodically check your cut line to ensure the saw is following the mark. Adjust your angle and pressure as needed.
5. **Finishing the Cut:** As you approach the end of the cut, reduce pressure to prevent tear-out. Support the waste piece to avoid splintering.

For best results, practice on scrap material before making critical cuts on your project.

MAINTENANCE

Proper maintenance will extend the life and performance of your Robert Sorby Tenon Saw.

- **Cleaning:** After each use, wipe the blade clean of sawdust and debris using a dry cloth. For stubborn resin, use a specialized saw blade cleaner.
- **Rust Prevention:** The alloy spring steel blade is susceptible to rust if exposed to moisture. Apply a thin coat of camellia oil or a rust-inhibiting wax to the blade after cleaning, especially before long-term storage.
- **Sharpening:** The blade is hand sharpened and designed to be re-sharpened. When the saw begins to feel dull or requires excessive force to cut, it is time for sharpening. This process typically involves using a specialized saw file to restore the sharpness of each tooth. If you are not experienced in saw sharpening, it is recommended to seek professional services or consult detailed woodworking resources.
- **Storage:** Store the saw in a dry environment, ideally in a saw till, sheath, or hanging on a wall to protect the teeth and prevent accidental damage.
- **Handle Care:** The Sapele handle can be periodically treated with a wood finish or wax to maintain its appearance and prevent drying out.

TROUBLESHOOTING

Addressing common issues can help maintain optimal performance.

- **Saw Binding in Cut:** This can occur if the blade is dull, the set of the teeth is insufficient, or if excessive pressure is applied. Ensure the blade is sharp and use lighter, consistent strokes.
- **Crooked Cuts:** Often a result of inconsistent pressure, an uneven stance, or not following the marked line. Focus on maintaining a steady hand and eye on the line. A dull blade can also contribute to wandering cuts.
- **Rough Cut Surface:** A dull blade or incorrect cutting technique (e.g., too much downward pressure, not enough forward motion) can lead to a rough finish. Sharpen the blade and refine your technique.
- **Rust Spots:** If rust appears, it can often be removed with fine steel wool and a rust remover, followed by immediate application of a rust preventative. Preventative measures are key.

SPECIFICATIONS

Feature	Detail
Brand	Robert Sorby
Model Number	TS1213
Blade Length	12 Inches
Blade Material	Alloy Spring Steel
Teeth Per Inch (TPI)	13
Handle Material	Sapele Wood
Fasteners	Brass-plated screws and medallion
Overall Product Dimensions	16"L x 1"W x 6"H
Recommended Surface	Wood

WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your Robert Sorby TS1213 Tenon Saw, please refer to the documentation provided at the time of purchase or contact Robert Sorby directly through their official website. Maintaining your saw as per the instructions in this manual will help ensure its long-term performance.

Manufacturer: Robert Sorby

Website: www.robertsorby.com