

## Festool 577513

# Festool 577513 Cordless Delta Sander DTSC 400 User Manual

Model: 577513

## INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Festool 577513 Cordless Delta Sander DTSC 400. This tool is designed for efficient sanding applications, offering the flexibility of both cordless and optional corded operation. Its ergonomic design and effective dust extraction system contribute to a cleaner and more comfortable working environment.

## SAFETY INSTRUCTIONS

**Always read and understand all safety warnings and instructions before operating the tool.**

- Wear appropriate personal protective equipment, including eye protection, hearing protection, and a dust mask.
- Ensure the work area is well-ventilated and free from obstructions.
- Disconnect the battery pack or power adapter before making any adjustments, changing accessories, or storing the tool.
- Keep hands and loose clothing away from moving parts.
- Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Use only Festool original accessories and spare parts.

## PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x Festool Cordless Delta Sander DTSC 400
- 2x BP 18 Li 3.1 EGO-I battery pack
- 1x Rapid charger TCL 6
- 1x Longlife dust bag
- 1x Protector guard
- 1x StickFix soft sander backing pad (100x150)

- 1x Systainer SYS3 M 187 (storage case)



Image: Complete Festool DTSC 400 Cordless Delta Sander kit, including the sander, two battery packs, a charger, dust bag, protector, sanding pad, and Systainer storage case.

## SETUP

### Battery Installation and Charging

Before first use, fully charge the battery packs. Insert the battery pack into the TCL 6 rapid charger, ensuring it clicks into place. The charger's indicator light will show the charging status. Once fully charged, remove the battery from the charger. To install the battery on the sander, align the battery with the battery slot on the tool and slide it in until it locks securely.

### Attaching the Dust Bag

The longlife dust bag is crucial for effective dust extraction. Align the dust bag's connector with the dust port on the sander and push firmly until it is securely attached. Ensure the bag is empty before starting work for optimal performance.

### Attaching the Protector Guard

The removable protector guard helps prevent damage to abutting surfaces and the sanding pad during close-up sanding. Slide the protector onto the front of the sander's base until it clicks into position.

### Installing Sanding Pads

The DTSC 400 uses StickFix sanding pads. Ensure the backing pad on the sander is clean. Align the holes on the sanding pad with the holes on the sander's backing pad and press firmly to secure it. The StickFix system allows for quick and easy pad changes.



Image: Close-up view of the Festool DTSC 400 Cordless Delta Sander, highlighting the ergonomic design and the attached longlife dust bag.

## OPERATING INSTRUCTIONS

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### Powering On/Off

To turn the sander on, press the power switch. To turn it off, press the switch again. Always ensure a firm grip on the tool before activating it.

### Cordless Operation

The DTSC 400 is designed for cordless operation using the 18-volt Ergo battery. This provides up to 30 minutes of runtime at full power, offering excellent mobility and balance for various sanding tasks.

### Corded Operation (Optional)

For extended use without battery limitations, the DTSC 400 can be operated with an optional ERGO Power Adapter (sold separately). Connect the adapter to the tool's battery slot and plug it into a suitable power outlet.

### Sanding Techniques

Apply light, even pressure when sanding. Allow the tool to do the work. Move the sander smoothly across the surface in overlapping passes. For optimal dust extraction, ensure the dust bag is properly attached and not overfilled. The delta shape of the sanding pad is ideal for reaching corners and intricate areas.





Image: A user demonstrating the Festool DTSC 400 Cordless Delta Sander in action, sanding a wooden surface with precision.

## MAINTENANCE

### Cleaning

Regularly clean the tool, especially the ventilation slots, to prevent overheating and ensure proper function. Use a soft, dry cloth. Do not use solvents or abrasive cleaners. Empty the dust bag frequently to maintain optimal dust extraction performance.

### Pad Replacement

Inspect the StickFix soft sander backing pad periodically for wear and tear. A worn pad can reduce sanding efficiency and affect finish quality. To replace, simply peel off the old pad and press a new one firmly onto the backing plate, aligning the holes.



Image: A visual comparison illustrating the difference between a previously used sanding pad and a new, unused sanding pad, highlighting the importance of replacement.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your Festool DTSC 400 sander.

| Problem                      | Possible Cause   | Solution  |
|------------------------------|--|---|
| Tool does not start          | Battery not charged or improperly inserted; Power adapter not connected (if applicable); Tool malfunction. | Ensure battery is fully charged and correctly inserted. If using corded, check power adapter connection. If problem persists, contact customer support. |
| Poor dust extraction         | Dust bag full or clogged; Dust port obstructed; Sanding pad holes misaligned or clogged.                   | Empty and clean the dust bag. Clear any obstructions from the dust port. Check and clean the sanding pad holes.   |
| Excessive vibration or noise | Worn or damaged sanding pad; Loose components; Internal issue.   | Replace the sanding pad if worn. Check for any loose parts and tighten if possible. If the issue persists, seek professional service.                   |
| Reduced sanding performance  | Worn sanding pad; Incorrect grit sandpaper for application; Battery low.                                   | Replace the sanding pad. Use appropriate grit sandpaper for the material. Ensure battery is fully charged.  |

## SPECIFICATIONS

| Feature             | Detail   |
|---------------------|--|
| Manufacturer        | Festool  |
| Model Number        | 577513   |
| Item Weight         | 10.9 pounds  |
| Product Dimensions  | 15.59 x 11.65 x 7.36 inches  |
| Power Source        | Battery Powered (Hybrid with optional adapter)   |
| Battery Type        | Lithium Ion (18V, 3.0 Ah)  |
| Amperage Capacity   | 3 Amps   |
| Included Components | Sander DTSC 400, 2x BP 18 Li 3.1 EGO-I battery pack, rapid charger TCL 6, longlife dust bag, protector, StickFix soft sander backing pad (100x150), Systainer SYS3 M 187 |
| Warranty            | 3 year manufacturer  |

## WARRANTY INFORMATION


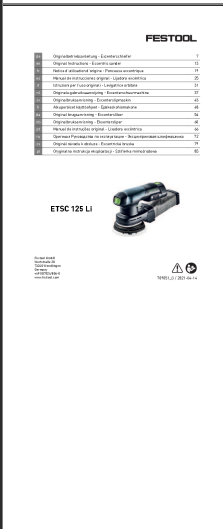
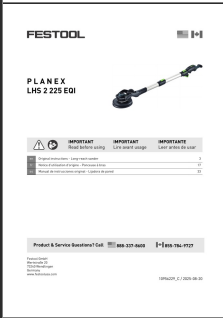
The Festool 577513 Cordless Delta Sander DTSC 400 is covered by a 3-year manufacturer's warranty. This warranty typically covers defects in materials and workmanship under normal use. For complete details regarding warranty terms, conditions, and claim procedures, please refer to the official warranty documentation provided with your product or visit the Festool official website.

## CUSTOMER SUPPORT

For technical assistance, service, or to inquire about spare parts and accessories, please contact Festool customer support directly. You can find contact information on the official Festool website. Additionally, you may visit the [Festool Store on Amazon](#) for product information and resources.

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### Related Documents - 577513

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|---|---|
|   | <p><a href="#">Festool RTSC 400 Li &amp; DTSC 400 Li Cordless Orbital Sanders: Instruction Manual</a></p> <p>Comprehensive instruction manual for Festool RTSC 400 Li and DTSC 400 Li cordless orbital sanders. Covers safety, operation, maintenance, and technical specifications.</p>                                      |
|  | <p><a href="#">Festool ETSC 125 Li Eccentric Sander - Operating Instructions</a></p> <p>Comprehensive operating instructions for the Festool ETSC 125 Li eccentric sander, covering safety, usage, maintenance, and technical specifications. Learn how to use your Festool sander effectively and safely.</p>                |
|  | <p><a href="#">Festool PLANEX LHS 2 225 EQI Long-Reach Sander Operating Instructions</a></p> <p>This document provides comprehensive operating instructions for the Festool PLANEX LHS 2 225 EQI long-reach sander, covering safety, intended use, technical data, assembly, operation, maintenance, and troubleshooting.</p> |



Original operating instructions and safety manual for the Festool ROTEX RO 150 FEQ gear-driven eccentric sander, covering intended use, technical data, operation, maintenance, and accessories.



Comprehensive operating instructions and safety guide for the Festool ETS 125 REQ eccentric sander. Covers features, technical specifications, safe usage, maintenance, and troubleshooting.



A detailed guide to building Pierre's Chair, a chic, simple, and functional piece of furniture crafted from American walnut wood, powered by Festool tools. Includes tool setup, materials list, and construction tips from The Swedish Maker.