

Festool 576359

Festool Cordless Delta Sander DTSC 400-Basic User Manual

Model: 576359

1. INTRODUCTION

The Festool Cordless Delta Sander DTSC 400-Basic is engineered for unparalleled mobility and ease of movement, offering powerful performance comparable to corded tools. Its compact design, balanced weight distribution, and ergonomic handling make it ideal for various sanding tasks, especially in hard-to-reach areas. This manual provides essential information for the safe and efficient operation, setup, and maintenance of your DTSC 400-Basic sander.



Festool Cordless Delta Sander DTSC 400-Basic kit, including the sander, Systainer case, dust collection bag, and sanding pad.

2. IMPORTANT SAFETY INSTRUCTIONS

Always observe the following basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury.

- Read all instructions before operating the tool.
- Wear appropriate personal protective equipment, including eye protection, hearing protection, and a dust mask.
- Keep your 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Avoid unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- Do not overreach. Keep proper footing and balance at all times.
- Maintain tools with care. Check for misalignment or binding of moving parts, breakage of parts, and any

other condition that may affect the tool's operation.

- Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.

3. PACKAGE CONTENTS

Your Festool Cordless Delta Sander DTSC 400-Basic package should include the following items:

- Festool Cordless Delta Sander DTSC 400-Basic
- Systainer SYS3 M 187 (storage case)
- Long-life dust collection bag
- Sanding pad (pre-installed or included separately)

Note: Battery packs and charger are sold separately. The DTSC 400-Basic requires 18V Lithium-Ion batteries for operation.

4. SETUP AND ASSEMBLY

4.1 Battery Installation

1. Ensure the sander is switched off.
2. Align the battery pack with the battery slot on the sander.
3. Slide the battery pack into the slot until it clicks securely into place.
4. To remove, press the release button(s) on the battery pack and slide it out.

4.2 Dust Collection System

The DTSC 400-Basic features an integral dust extraction system for a cleaner working environment.

1. **Attaching the Dust Collection Bag:** Align the opening of the long-life dust collection bag with the dust port on the sander. Push firmly until it is securely attached.
2. **Connecting to a Mobile Dust Extractor (Optional):** For enhanced dust extraction, the sander can be connected to a Festool mobile dust extractor using a compatible hose. Connect the hose to the dust port on the sander.



Close-up view of the Festool DTSC 400-Basic sander with the attached dust collection bag.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To turn the sander ON, press the power switch.
- To turn the sander OFF, press the power switch again.

5.2 Sanding Techniques

For best results and to prolong the life of your sander:

- Always allow the sander to reach full speed before applying it to the workpiece.
- Apply light, even pressure. Excessive pressure will not speed up sanding and can damage the tool or workpiece.
- Move the sander in smooth, overlapping passes across the surface.
- Ensure the entire sanding pad is in contact with the surface.
- For fine finishing, use finer grit sandpaper and reduce pressure.



A person using the Festool DTSC 400-Basic cordless delta sander on a wooden surface, connected to a mobile dust extractor.



Close-up of a hand guiding the Festool DTSC 400-Basic sander across a wooden surface.

6. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your sander.

6.1 Cleaning

- After each use, disconnect the battery pack.
- Wipe down the exterior of the sander with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Use compressed air to clear dust from ventilation openings.

6.2 Sanding Pad Replacement

The sanding pad is attached via hook-and-loop fasteners. To replace:

1. Peel off the old sanding pad from the base of the sander.
2. Align the new sanding pad with the base, ensuring the holes on the pad match the dust extraction holes on the sander.
3. Press firmly to secure the new pad.

6.3 Dust Bag Emptying

Empty the dust collection bag regularly to maintain efficient dust extraction and prevent clogging.

1. Remove the dust collection bag from the sander.
2. Open the bag (if applicable) and empty the dust into a suitable waste container.
3. Reattach the bag securely to the sander.



Hands demonstrating the attachment or removal of a component, likely the dust collection bag or a sanding pad, on the Festool DTSC 400-Basic sander.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Sander does not turn on.	Battery not charged or not properly inserted.	Ensure battery is fully charged and securely inserted.
Poor dust collection.	Dust bag full or clogged; dust port obstructed; sanding pad holes misaligned.	Empty dust bag. Clear any obstructions from dust port. Ensure sanding pad holes align with sander base.
Excessive vibration or noise.	Damaged sanding pad; loose components; internal issue.	Inspect and replace sanding pad if damaged. Check for loose screws. If problem persists, contact Festool service.
Sander stops during operation.	Battery depleted; motor overload protection activated.	Recharge battery. Reduce pressure on the workpiece to prevent overload. Allow motor to cool if overheated.

8. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Festool
Model Number	576359
Voltage	18 Volts
Power Source	Battery Powered
Maximum Rotational Speed	10000 RPM
Item Weight	6.78 pounds (3.08 Kilograms)
Product Dimensions	8.39 x 3.58 x 5.75 inches
Grit Type (Included)	Medium
Grit Number (Included)	60

9. WARRANTY AND CUSTOMER SUPPORT

Festool products are manufactured to the highest quality standards and undergo rigorous quality control. For information regarding the warranty period and terms applicable to your Festool Cordless Delta Sander DTSC 400-Basic, please refer to the warranty card included with your purchase or visit the official Festool website.

For technical assistance, spare parts, or service inquiries, please contact Festool customer support or an authorized Festool service center. Always provide your product model number (DTSC 400-Basic) and serial number when seeking support.

You can find more information and contact details on the official Festool website: www.festool.com

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