

Festool 576070

Festool ETS 125 REQ-Plus Random Orbital Sander User Manual

This manual provides detailed instructions for the safe and effective operation, setup, maintenance, and troubleshooting of the Festool ETS 125 REQ-Plus Random Orbital Sander.

INTRODUCTION

The Festool ETS 125 REQ-Plus is a versatile random orbital sander designed for achieving maximum surface quality during finishing or pre-sanding tasks. Its compact size and lightweight design make it suitable for extended use, including vertical and overhead applications. This tool incorporates features such as a sanding pad brake and Vibration-stop balancing for enhanced performance and user comfort.

Key features include:

- Ergonomic design for comfortable handling during prolonged use.
- Step-less variable speed control for adapting to various applications.
- Balanced Vibration-stop (VS) design for smooth operation and superior finish results.
- Jetstream design for efficient dust removal, contributing to cleaner air, better finishes, and extended abrasive and pad life.
- Supplied in a new SysGen3 Systainer for organized storage and transport.

GENERAL SAFETY INFORMATION

Always observe general power tool safety guidelines to prevent electric shock, fire, and serious injury. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Always wear appropriate personal protective equipment, including eye protection, hearing protection, and a dust mask. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

PRODUCT OVERVIEW AND COMPONENTS

The Festool ETS 125 REQ-Plus Random Orbital Sander comes with several components designed for optimal performance and convenience.



Figure 1: Complete Festool ETS 125 REQ-Plus kit, showing the sander, Systainer, dust bag, power cord, and a sanding disc.

Included Components:

- ETS 125 REQ Random Orbital Sander
- StickFix Soft Sander Backing Pad (D125)
- Longlife Dust Bag
- Festool PROTECTOR
- SYSGEN3 Systainer Case

SETUP

1. Attaching the Sanding Pad and Abrasive

Ensure the sander is disconnected from the power supply before attaching or changing the sanding pad or abrasive. The ETS 125 REQ-Plus uses a StickFix sanding pad system for quick and secure abrasive changes.

1. Align the holes on the abrasive disc with the holes on the StickFix sanding pad.
2. Press the abrasive disc firmly onto the pad to ensure a secure attachment.



Figure 2: Attaching a sanding disc to the sander's StickFix pad.

2. Connecting Dust Extraction

Effective dust extraction is crucial for a clean work environment, better finish quality, and extended abrasive life. The ETS 125 REQ-Plus can be used with the included longlife dust bag or connected to an external dust extractor.

- **Using the Longlife Dust Bag:** Attach the dust bag securely to the dust port at the rear of the sander. Ensure it clicks into place.
- **Connecting to an External Dust Extractor:** Connect the hose of your Festool dust extractor to the sander's dust port. The Jetstream design works optimally with Festool extractors for highly efficient dust removal.



Figure 3: Connecting a dust extraction hose to the sander.



Figure 4: The sander connected to a dust extraction hose.

OPERATING INSTRUCTIONS

1. Powering On and Off

Connect the sander to a suitable power outlet. The power switch is typically located on the top of the tool. Press the switch to turn the sander on, and press it again to turn it off.

2. Adjusting Speed

The ETS 125 REQ-Plus features step-less variable speed control. Use the speed adjustment dial to select the appropriate sanding speed for your material and application. Lower speeds are generally suitable for delicate work or heat-sensitive materials, while higher speeds are for aggressive material removal.

3. Sanding Technique

For best results, hold the sander firmly with both hands (if applicable) or one hand for lighter tasks, ensuring even pressure. Move the sander smoothly and consistently across the workpiece. Avoid applying excessive pressure, as this can reduce sanding efficiency and potentially damage the surface or the tool. The balanced vibration stop design minimizes fatigue and improves finish quality.



Figure 5: Proper technique for operating the sander on a workpiece.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Festool sander. Always disconnect the tool from the power supply before performing any maintenance.

1. Cleaning the Sander

- Wipe down the exterior of the sander with a clean, damp cloth. Do not use harsh chemicals or solvents.
- Use compressed air to clear dust from ventilation openings and the motor housing.

2. Dust Bag Maintenance

- Empty the longlife dust bag regularly to maintain effective dust collection.
- Inspect the dust bag for any tears or damage and replace if necessary.

3. Sanding Pad Inspection

- Periodically inspect the StickFix sanding pad for wear, damage, or reduced adhesion. A worn pad can lead to poor sanding results and premature abrasive wear.
- Replace the sanding pad if it shows signs of significant wear or damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Sander does not turn on.	No power supply; faulty switch; damaged power cord.	Check power connection and outlet. Inspect power cord for damage. If issues persist, contact Festool service.
Poor dust extraction.	Dust bag full; dust port clogged; hose disconnected or damaged; worn abrasive.	Empty dust bag. Clear dust port and hose. Ensure hose is securely connected. Replace worn abrasive.
Excessive vibration or poor finish.	Worn sanding pad; incorrect abrasive; uneven pressure; damaged workpiece.	Inspect and replace sanding pad if worn. Use appropriate grit abrasive. Apply even, light pressure.
Sander overheats.	Blocked ventilation slots; continuous heavy load; faulty motor.	Clear ventilation slots. Allow tool to cool down. Avoid prolonged heavy use. If persistent, contact service.

SPECIFICATIONS

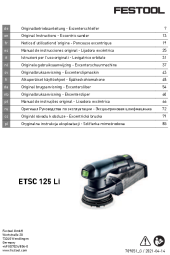


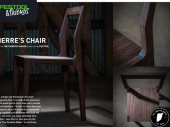

Feature	Detail
Brand	Festool
Model Number	576070
Product Dimensions	15.59"L x 11.65"W x 7.36"H
Item Weight	8.23 Pounds
Power Source	Corded Electric
AC Adapter Current	2.5 Amps
Grit Type (Included)	Light (120 Grit)
Sanding Stroke	5/64" (2.0 mm)
Included Components	ETS 125 REQ, StickFix Soft Sander Backing Pad D125, longlife dust bag, Festool PROTECTOR, in SYSGEN3

WARRANTY AND SUPPORT

Festool stands behind its products with comprehensive support and warranty programs. For detailed information, please refer to the official Festool website or contact customer service.

- **30-Day Money-Back Guarantee:** If you are not completely satisfied, you may return the product within 30 days.
- **3-Year Satisfaction Guarantee:** Festool offers a 3-year warranty covering defects in material and workmanship.
- **Dedicated Expert Support:** Access to expert assistance for product inquiries, technical support, and service.

For further assistance, visit the [Festool Store on Amazon](#) or the official Festool website.

	<p>Festool ETSC 125 Li Eccentric Sander - Operating Instructions</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>Preview</p>	<p>Festool ETS 125 REQ Eccentric Sander - Operating Instructions and Safety Manual</p> <p>Comprehensive operating instructions and safety guide for the Festool ETS 125 REQ eccentric sander. Covers features, technical specifications, safe usage, maintenance, and troubleshooting.</p>
	<p>Festool Edge Sander ES-ETS 125 / ES-ETSC 125: Know-How for Edge Sanding</p> <p>A comprehensive guide to using the Festool Edge Sander ES-ETS 125 and ES-ETSC 125 for perfect edge sanding on various materials. Learn about soft and hard modes, changing sanding pads, angle adjustments, and mounting the attachment.</p>
	<p>Festool ETS EC 150/3 EQ & ETS EC 150/5 EQ Exzenterschleifer Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die Festool Exzenterschleifer ETS EC 150/3 EQ und ETS EC 150/5 EQ. Enthält detaillierte Anweisungen zu Sicherheit, Betrieb, Wartung und Zubehör für professionelle Schleifarbeiten.</p>
	<p>Pierre's Chair: A Festool & Friends Project by The Swedish Maker</p> <p>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.</p>
	<p>Festool RTSC 400 Li & DTSC 400 Li Cordless Orbital Sanders: Instruction Manual</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>



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