

Einhell TE-CS 18/89 Li Solo

Einhell Power X-Change 89mm Cordless Mini Circular Saw TE-CS 18/89 Li Solo Instruction Manual

Model: TE-CS 18/89 Li Solo

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your Einhell Power X-Change 89mm Cordless Mini Circular Saw TE-CS 18/89 Li Solo. Please read these instructions carefully before using the tool and keep them for future reference. This cordless mini circular saw is designed for making straight cuts in wood, panels, parquet, and various other materials.



Figure 1: The Einhell Power X-Change 89mm Cordless Mini Circular Saw. The tool features a red and black ergonomic handle, a grey base plate, and an exposed saw blade. A slot for a Power X-Change battery is visible at the top. The saw is accompanied by two saw blades and a rip fence accessory.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury. Familiarize yourself with all safety warnings and instructions.

General Power Tool Safety Warnings:

- **Work Area Safety:** 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.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- **Personal Safety:** Always wear eye protection. Use safety equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when appropriate. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. It

will do the job better and safer at the rate for which it was designed. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

3. PACKAGE CONTENTS

Upon unpacking, please ensure all items are present and undamaged. If any parts are missing or damaged, contact your retailer.

- Einhell Power X-Change 89mm Cordless Mini Circular Saw TE-CS 18/89 Li Solo
- Carbide Saw Blade (89mm diameter)
- Rip Fence
- Vacuum Cleaner Adapter
- Instruction Manual

Note: Battery and charger are not included and must be purchased separately as part of the Einhell Power X-Change series.

4. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the various parts of your mini circular saw:

1. **Handle/Motor Housing:** Ergonomic grip for control and houses the motor.
2. **Battery Interface:** Slot for Einhell Power X-Change 18V battery.
3. **Saw Blade:** 89mm diameter carbide blade for cutting.
4. **Base Plate (Aluminum Saw Table):** Provides stability and guides the saw during cuts.
5. **Cutting Depth Adjustment:** Mechanism to set the desired cutting depth.
6. **Spindle Lock:** Button to lock the spindle for easy blade changes.
7. **Rip Fence Guide:** Slot for attaching the rip fence for parallel cuts.
8. **Vacuum Cleaner Adapter Port:** Connection point for a dust extraction system.

5. SETUP

5.1. Battery Installation

1. Ensure the battery is fully charged before use.
2. Align the battery pack with the battery interface on the saw.
3. Slide the battery into the interface until it clicks securely into place.
4. To remove, press the release button on the battery and slide it out.

5.2. Saw Blade Installation/Change

Always disconnect the battery before changing the saw blade.

1. Press and hold the spindle lock button to prevent the blade from rotating.
2. Use the provided wrench (if applicable) to loosen the blade retaining screw.
3. Remove the old blade and ensure the new blade is clean and undamaged.
4. Place the new 89mm carbide saw blade onto the spindle, ensuring the rotation direction arrows on the blade match the direction arrow on the saw's housing.

5. Securely tighten the blade retaining screw while holding the spindle lock. Do not overtighten.

5.3. Attaching the Rip Fence

The rip fence assists in making straight, parallel cuts.

1. Slide the rip fence into the guide slot on the base plate.
2. Adjust the fence to the desired cutting width.
3. Tighten the locking screw to secure the rip fence in position.

5.4. Connecting the Vacuum Adapter

For a cleaner work environment, connect a vacuum cleaner to the adapter port.

1. Attach the vacuum cleaner adapter to the dust extraction port on the saw.
2. Connect a suitable vacuum cleaner hose to the adapter.

6. OPERATING

6.1. Adjusting Cutting Depth

The cutting depth can be adjusted easily and without tools.

1. Loosen the depth adjustment lever/knob.
2. Move the base plate up or down to achieve the desired cutting depth. The maximum cutting depth is 28mm.
3. Securely tighten the depth adjustment lever/knob to lock the setting.

6.2. Making a Cut

Always ensure the workpiece is securely clamped and stable before cutting.

1. Set the desired cutting depth and attach the rip fence if needed.
2. Position the saw on the workpiece, ensuring the blade is clear of the material before starting.
3. Press the ON/OFF switch to start the saw. Allow the blade to reach full speed before engaging the material.
4. Guide the saw smoothly and steadily through the material. Do not force the tool.
5. Once the cut is complete, release the ON/OFF switch and wait for the blade to stop completely before lifting the saw from the workpiece.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** After each use, clean the tool housing, base plate, and blade guard with a soft, damp cloth. Remove any sawdust or debris from the ventilation slots. Do not use harsh chemicals or abrasive cleaners.
- **Blade Inspection:** Regularly inspect the saw blade for sharpness, damage, or missing teeth. Replace dull or damaged blades immediately to ensure clean cuts and prevent strain on the motor.
- **Battery Care:** Store batteries in a cool, dry place. Do not expose them to extreme temperatures.
- **General Inspection:** Check all screws and fasteners periodically to ensure they are tight.

8. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Saw does not start	Battery not inserted correctly or discharged.	Ensure battery is fully inserted and charged.
Poor cutting performance / Rough cuts	Dull or damaged saw blade. Incorrect cutting depth.	Replace saw blade. Adjust cutting depth appropriately for the material.
Saw stops during operation	Overload or battery discharged.	Reduce cutting pressure. Recharge or replace battery.
Depth adjuster becomes loose	Locking mechanism not fully tightened.	Ensure the depth adjustment lever/knob is securely tightened after setting the depth.

9. SPECIFICATIONS


- **Model:** TE-CS 18/89 Li Solo
- **Voltage:** 18V (Power X-Change system)
- **Saw Blade Diameter:** 89 mm
- **Max. Cutting Depth:** 28 mm
- **Saw Table Material:** High-quality Aluminum

10. WARRANTY AND SUPPORT

Einhell products are manufactured to high-quality standards and undergo strict quality controls. This product is covered by a manufacturer's warranty. For specific warranty terms, conditions, and duration, please refer to the warranty card included with your purchase or visit the official Einhell website.

For technical support, spare parts, or service inquiries, please contact your authorized Einhell dealer or the Einhell customer service department. Contact information can typically be found on the Einhell website or in your product documentation.

Related Documents - TE-CS 18/89 Li Solo

	<p>Einhell TE-CS 18/165-1 Li Cordless Circular Saw Operating Instructions</p> <p>Comprehensive operating instructions for the Einhell TE-CS 18/165-1 Li Cordless Circular Saw (18V Power X-Change). Covers safety, usage, maintenance, technical data, and disposal.</p>
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	<p>Einhell TE-CS 18/150 Li - Solo Akku-Handkreissäge Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die Einhell TE-CS 18/150 Li - Solo Akku-Handkreissäge. Enthält Sicherheitshinweise, Gerätebeschreibung, technische Daten und Anleitungen zur bestimmungsgemäßen Verwendung, Wartung und Entsorgung.</p>
	<p>Einhell TE-VC 18/10 Li - Solo Akku-Nass-Trockensauger Bedienungsanleitung</p> <p>Betriebsanleitung für den Einhell TE-VC 18/10 Li - Solo Akku-Nass-Trockensauger. Enthält Sicherheitshinweise, Gerätebeschreibung, technische Daten, Montage-, Bedienungs-, Reinigungs- und Wartungsanweisungen.</p>
	<p>Einhell TE-CS 18/89 Li Cordless Mini Circular Saw User Manual</p> <p>Comprehensive user manual for the Einhell TE-CS 18/89 Li cordless mini circular saw, covering safety instructions, operation, technical specifications, maintenance, and troubleshooting.</p>
	<p>Einhell TE-AG 18/115-2 Li Akku-Winkelschleifer Bedienungsanleitung</p> <p>Die offizielle Bedienungsanleitung für den Einhell TE-AG 18/115-2 Li Akku-Winkelschleifer. Enthält wichtige Informationen zur sicheren Handhabung, technischen Daten und Wartung des kabellosen Winkelschleifers von Einhell.</p>
	<p>Einhell TE-AG 18/115 Li BL-Solo Cordless Angle Grinder Operating Instructions</p> <p>Comprehensive guide for the Einhell TE-AG 18/115 Li BL-Solo Cordless Angle Grinder, covering safety, operation, maintenance, and technical specifications.</p>