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> Skil 5402 1400W 220V Circular Saw with 24-Tooth Premium Blade User Manual

Bosch F0125402JA

Skil 5402 Circular Saw User Manual

Model: F0125402JA | Brand: Skil (a Bosch brand)

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1. INTRODUCTION

The Skil 5402 Circular Saw, with 1400 Watts of power, is engineered for efficient cutting of wood and its derivatives. This manual provides essential information for the safe and effective use, setup, and maintenance of your tool. Please read it thoroughly before operation.



Figure 1: Skil 5402 Circular Saw, main view.

2. SAFETY INFORMATION

Always prioritize safety when operating power tools. Failure to follow safety instructions can result in serious injury.

General Safety Guidelines:

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Ensure your work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away while operating the tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always unplug the saw before making any adjustments, changing accessories, or storing the tool.
- The Skil 5402 features an **anti-involuntary activation switch** to prevent accidental starting. Always engage this safety feature when not actively cutting.
- Ensure the retractable blade guard functions correctly and is not obstructed.

3. COMPONENTS INCLUDED

Your Skil 5402 Circular Saw package includes the following items:

- 1 Skil 5402 Circular Saw
- 1 Instruction Manual
- 1 Premium 24-tooth Blade
- 1 Allen Key
- 1 Parallel Guide

The image displays the CICAMPO logo, which consists of a blue hexagon containing a white key icon, followed by the text "CICAMPO" in large white letters and "MÁQUINAS E FERRAMENTAS" in smaller white letters below it. Below the logo are four blue hexagonal icons arranged in a 2x2 grid. Each icon contains a white symbol and a green checkmark. The top-left icon shows a padlock with a keyhole, with the text "COMPRA 100% SEGURA" below it. The top-right icon shows a white truck with motion lines, with the text "POSTAGEM EM ATÉ 24H" below it. The bottom-left icon shows a white checkmark inside a circle, with the text "GARANTIA DO FABRICANTE" below it. The bottom-right icon shows a white document with a checkmark, with the text "NOTA FISCAL DO PRODUTO" below it.

Figure 2: Skil 5402 Circular Saw with its standard accessories.

4. SETUP

Proper setup ensures safe and accurate operation.

4.1. Blade Installation

1. Ensure the saw is unplugged from the power source.
2. Press and hold the spindle lock button to prevent the shaft from rotating.
3. Use the provided Allen key to loosen the blade retaining screw.
4. Carefully remove the outer flange and old blade (if applicable).
5. Place the new 24-tooth premium blade onto the spindle, ensuring the teeth are oriented correctly for cutting (usually indicated by an arrow on the blade matching the saw's rotation direction).
6. Replace the outer flange and tighten the blade retaining screw firmly with the Allen key while holding the spindle lock button.



Figure 3: Side view of the circular saw, highlighting the blade area for installation.

4.2. Depth Adjustment

The cutting depth can be adjusted up to 65mm. For optimal safety and cut quality, set the blade depth so that only one or two teeth extend below the workpiece.

1. Loosen the depth adjustment lever.
2. Raise or lower the saw base to achieve the desired cutting depth.
3. Tighten the depth adjustment lever securely.

4.3. Angle Adjustment

The saw allows for bevel cuts up to 45°.

1. Loosen the bevel adjustment knob.
2. Tilt the saw base to the desired angle (up to 45°).
3. Tighten the bevel adjustment knob firmly.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your circular saw.

5.1. Starting the Saw

1. Ensure the workpiece is securely clamped.
2. Hold the saw firmly with both hands, utilizing the robust auxiliary handle for stability.
3. Press the anti-involuntary activation switch, then squeeze the trigger to start the saw.
4. Allow the blade to reach full speed before beginning the cut.

5.2. Making a Cut

1. Gently guide the saw into the workpiece, maintaining a steady, consistent feed rate. Do not force the saw.
2. The efficient dust ejection system will direct sawdust away from the user.
3. Use the parallel guide for straight and accurate cuts.
4. Once the cut is complete, release the trigger and allow the blade to stop completely before lifting the saw from the workpiece.



Figure 4: Proper technique for operating the circular saw.



Figure 5: Detailed view of the blade during a cut.

5.3. Video Demonstration: Smooth Cutting Techniques

Your browser does not support the video tag.

Video 1: This video demonstrates techniques for achieving smooth cuts and avoiding wood jamming, which can be helpful for optimizing your circular saw's performance.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Skil 5402 Circular Saw.

6.1. Cleaning

- After each use, unplug the saw and clean off sawdust and debris from the tool, especially around the blade guard and motor vents.
- Use a soft brush or compressed air for cleaning. Do not use solvents or abrasive cleaners.



Figure 6: The saw's efficient dust ejection system helps keep the work area clean.

6.2. Carbon Brush Replacement

The carbon brushes are easily accessible for simple and quick replacement when worn. Refer to the detailed instructions in the full manual for the specific procedure.

6.3. Blade Care

- Regularly inspect the blade for sharpness and damage. A dull or damaged blade can cause kickback and poor cut quality.
- Replace worn blades promptly with appropriate replacements, such as the included 24-tooth premium blade.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your circular saw.

Problem	Possible Cause	Solution
Saw does not start	No power supply; Anti-involuntary activation switch not engaged; Worn carbon brushes	Check power connection; Ensure safety switch is pressed before trigger; Replace carbon brushes.

Problem	Possible Cause	Solution
Poor cut quality / Saw binding	Dull or incorrect blade; Incorrect cutting depth; Workpiece not secured; Forcing the saw	Replace blade; Adjust cutting depth; Secure workpiece; Reduce feed rate.
Excessive vibration	Loose blade; Damaged blade; Motor issue	Tighten blade screw; Replace blade; Contact service center if motor issue suspected.

8. SPECIFICATIONS

Feature	Detail
Brand	Bosch (Skil)
Model Number	F0125402JA
Power	1400 Watts
Voltage	220 Volts
Blade Material	High-speed steel
Number of Teeth	24
Max Cutting Depth	65 mm
Max Bevel Angle	45 Degrees
Recommended Surface	Wood
Item Dimensions (L x W x H)	35.5 x 24.5 x 22.5 cm
Item Weight	4.83 Kilograms

9. WARRANTY AND SUPPORT

The Skil 5402 Circular Saw comes with a comprehensive warranty to ensure your peace of mind.

9.1. Warranty Information

This product includes a **2-year warranty** against manufacturing defects and failures. Please retain your proof of purchase for warranty claims.

9.2. Customer Support

For technical assistance, spare parts, or warranty service, please contact your local authorized Skil or Bosch service center. Refer to the contact information provided in the packaging or on the official Bosch website.

