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Bosch GKS 190

Bosch GKS 190 Professional Corded Circular Saw User Manual

Model: GKS 190

1. Introduction

This manual provides essential information for the safe and efficient use of your Bosch GKS 190 Professional Corded Circular Saw. Please read these instructions carefully before operating the tool and keep them for future reference. Adherence to these guidelines will ensure optimal performance and user safety.



Image 1: The Bosch GKS 190 Professional Corded Circular Saw, showcasing its design and components.

2. Safety Instructions

Always observe general power tool safety warnings and local regulations. Failure to follow these warnings may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep the 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:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection, hearing protection, and a dust mask. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

- **Kickback Prevention:** Maintain a firm grip on the saw with both hands. Ensure the blade is clear of the workpiece before starting.

3. Package Contents

Upon unpacking, verify that all items are present and undamaged. The standard package for the Bosch GKS 190 includes:

- 1 x Bosch GKS 190 Circular Saw
- 1 x Hex Key WAF 5
- 1 x Saw Blade (typically 40T for wood)
- 1 x Parallel Guide



Image 2: Visual representation of the items included in the Bosch GKS 190 package, showing the saw, hex key, and saw blade.

4. Setup

4.1. Blade Installation and Removal

1. **Disconnect Power:** Always ensure the saw is unplugged from the power source before performing any adjustments or maintenance.
2. **Engage Spindle Lock:** Press and hold the spindle lock button to prevent the blade from rotating.
3. **Loosen Blade Bolt:** Use the provided hex key to loosen the blade bolt by turning it counter-clockwise.
4. **Remove Outer Flange and Blade:** Carefully remove the outer flange and the old saw blade. Note the rotation direction of the blade.
5. **Install New Blade:** Place the new blade onto the spindle, ensuring the teeth are pointing in the direction of the arrow on the saw's guard.
6. **Reinstall Flange and Bolt:** Replace the outer flange and tighten the blade bolt securely with the hex key, turning clockwise.

4.2. Adjusting Cutting Depth

The cutting depth can be adjusted to suit the thickness of your workpiece, up to a maximum of 67mm.

1. **Loosen Depth Adjustment Lever:** Locate the depth adjustment lever on the side of the saw and loosen it.
2. **Set Desired Depth:** Move the saw base up or down until the desired cutting depth is indicated on the scale.
3. **Secure Lever:** Tighten the depth adjustment lever firmly to lock the setting in place.



Image 3: Illustration of adjusting the cutting depth on the Bosch GKS 190 circular saw using the depth adjustment feature.

4.3. Adjusting Bevel Angle

The saw allows for bevel cuts up to 45 degrees.

1. **Loosen Bevel Adjustment Lever:** Locate the bevel adjustment lever at the front of the saw.
2. **Set Desired Angle:** Tilt the saw base to the desired angle, indicated on the bevel scale.
3. **Secure Lever:** Tighten the bevel adjustment lever to lock the angle.

4.4. Attaching Parallel Guide

The parallel guide assists in making straight cuts parallel to the edge of the workpiece.

1. **Insert Guide:** Slide the parallel guide into the slots on the front of the saw base.
2. **Adjust Distance:** Position the guide to the desired cutting width.
3. **Tighten Screw:** Secure the guide by tightening its locking screw.

5. Operating Instructions

5.1. Preparing for a Cut

- **Secure Workpiece:** Always clamp the workpiece firmly to a stable surface to prevent movement during cutting.
- **Check Blade:** Ensure the blade is sharp, clean, and correctly installed.
- **Power Connection:** Connect the saw to a suitable 240V power outlet.
- **Clear Path:** Ensure the cutting line is clear of obstructions and that the power cord will not interfere with the operation.



Image 4: A user securing the material and positioning the Bosch GKS 190 circular saw for an accurate cut.

5.2. Making a Cut

1. **Grip the Saw:** Hold the saw firmly with both hands, ensuring a balanced and controlled grip. The design is suitable for both right- and left-handed users.

2. **Start the Saw:** Press the trigger switch to start the motor. Allow the blade to reach full speed (5200 RPM) before engaging the workpiece.
3. **Engage Workpiece:** Gently guide the saw into the workpiece along the marked cutting line. Do not force the saw; let the blade do the work.
4. **Maintain Control:** Keep the saw base flat against the workpiece throughout the cut.
5. **Air Blower:** The integrated air blower will clear dust and chips from the cutting line, maintaining visibility.
6. **Complete the Cut:** Continue guiding the saw steadily until the cut is complete.
7. **Release Trigger:** Release the trigger switch and allow the blade to stop completely before lifting the saw from the workpiece.



Image 5: A user demonstrating how to steadily guide the Bosch GKS 190 circular saw along a cutting line for a precise cut.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your Bosch GKS 190 circular saw.

- **Cleaning:** After each use, unplug the tool and clean it thoroughly. Use a soft brush or compressed air to remove dust and debris from the motor vents and blade guard. The integrated air blower helps keep the cutting line clear during operation, but manual cleaning is still necessary.
- **Blade Inspection:** Regularly inspect the saw blade for sharpness, cracks, or missing teeth. Replace dull or damaged blades immediately to prevent kickback and ensure clean cuts. Refer to Section 4.1 for blade replacement instructions.
- **Cord Inspection:** Check the power cord for any signs of damage, cuts, or fraying. If damaged, have it repaired by a qualified technician.
- **Lubrication:** This tool is designed for minimal user lubrication. Do not apply oil or grease to internal components unless specified by Bosch.
- **Storage:** Store the saw in a dry, secure location, out of reach of children.

7. Troubleshooting

This section addresses common issues you might encounter with your Bosch GKS 190 circular saw. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Saw does not start	No power supply Damaged power cord/plug Faulty switch	Check power outlet and connection Inspect cord and plug for damage; replace if necessary Contact customer support
Blade not cutting efficiently or burning wood	Dull or dirty blade Incorrect blade for material Forcing the saw	Replace or clean blade Use appropriate blade for the material Allow the saw to cut at its own pace
Excessive vibration or noise	Loose blade or components Damaged blade Internal mechanical issue	Check blade and all fasteners for tightness Replace damaged blade Contact customer support
Kickback occurs	Improper workpiece support Dull blade Forcing the saw Blade binding in workpiece	Ensure workpiece is securely clamped Replace dull blade Do not force the saw; maintain steady pressure Ensure proper alignment and support

8. Specifications

Detailed technical specifications for the Bosch GKS 190 Professional Corded Circular Saw:

Feature	Specification
Brand	Bosch

Feature	Specification
Model Number	06016230F1
Power Source	Corded Electric
Wattage	1400 Watts
Voltage	240 Volts
No-Load Speed	5200 RPM
Blade Diameter	184 mm (7 Inches)
Number of Teeth (Standard Blade)	24
Blade Material	Stainless Steel
Max Cutting Depth (90 Degrees)	67 mm
Max Cutting Depth (45 Degrees)	48 mm
Item Weight	6.23 kg (6230 Grams)
Product Dimensions (LxWxH)	36 x 20.5 x 27 cm
Handle Material	Aluminium
Surface Recommendation	Wood
Country of Origin	China



Image 6: Detailed packaging information for the Bosch GKS 190, highlighting key specifications such as rated input power, saw blade diameter, and weight.

9. Warranty

According to the product specifications, this Bosch GKS 190 Professional Corded Circular Saw is supplied with **No Warranty**. Please refer to your purchase documentation for any specific retailer or distributor guarantees that may apply.

10. Support and Contact Information

For technical assistance, service, or inquiries, please contact Bosch customer support:

- **Bosch Customer Care (India):** 18004258665
- **Manufacturer:** Bosch Power Tools (China) Ltd, No. 567 Binkang Road, Binjiang District, Hangzhou, China, 310052
- **Importer/Packer (India):** Bosch Ltd., Post Box No: 3000, Hosur Road, Adugodi, Bangalore - 560030, India

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