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› Bosch GKS 150 Circular Saw User Manual (1500W, 127V)

## Bosch GKS 150

# Bosch GKS 150 Circular Saw User Manual

Model: GKS 150 (06016B30G1) | Power: 1500W | Voltage: 127V

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation, setup, and maintenance of your Bosch GKS 150 Circular Saw. Please read these instructions carefully before using the tool for the first time and keep them for future reference. Proper use and maintenance will ensure the longevity and optimal performance of your circular saw.



Image 1.1: The Bosch GKS 150 Circular Saw. This image shows the overall design of the circular saw, highlighting its robust construction and ergonomic handle.

## 2. GENERAL SAFETY INSTRUCTIONS

**WARNING:** Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

### 2.1 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. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

### 2.2 Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.

- 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.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

## 2.3 Personal Safety

- Always wear eye protection. Use safety glasses, goggles, or a face shield.
- Wear hearing protection when operating power tools for extended periods.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.

## 3. COMPONENTS AND FEATURES

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The Bosch GKS 150 Circular Saw is designed for efficient and precise cutting of wood materials. Familiarize yourself with its key components:

- **Powerful 1500W Motor:** Provides ample power for various cutting applications.
- **Auxiliary Handle:** Robust design for enhanced stability and control during cuts.
- **Dust Extraction System:** Efficiently removes dust to maintain a clear cutting line and a cleaner work environment.
- **Spindle Lock Button:** Facilitates quick and secure blade changes.
- **Adjustable Base Plate:** Allows for precise depth and bevel angle adjustments.
- **Blade Guard:** Retractable lower guard for safety during operation.



# SERRA CIRCULAR

## GKS 150

**MOTOR POTENTE DE 1.500W** IDEAL PARA DIVERSOS TIPOS DE CORTE

**PUNHO AUXILIAR** PARA MAIOR ESTABILIDADE E ERGONOMIA DURANTE O CORTE

**SISTEMA PARA TROCA FÁCIL E RÁPIDA DA ESCOVA DE CARVÃO**



**CAPACIDADE DE CORTE EM MADEIRA** DE 64MM EM 90° E 45MM EM 45°

**PARA DISCO DE 7 1/4" (184MM)**

**PROTEÇÃO APRIMORADA** PARA GARANTIR QUE A SAÍDA DE POEIRA ESTEJA LONGE DO OPERADOR

Image 3.1: Key features of the Bosch GKS 150 Circular Saw. This diagram illustrates the main parts of the saw, including the powerful motor, auxiliary handle, and dust extraction system.

## 4. SETUP

### 4.1 Blade Installation and Removal

1. Ensure the saw is unplugged from the power source before any adjustments or maintenance.
2. Press and hold the spindle lock button to prevent the blade from rotating.
3. Use the provided hex key to loosen the blade retaining screw.
4. Lift the lower blade guard and carefully remove the old blade.
5. Place the new blade onto the spindle, ensuring the teeth are pointing in the direction of rotation indicated on the saw. The Bosch GKS 150 includes two discs for various wood cutting tasks.
6. Secure the blade with the retaining screw and tighten it firmly using the hex key while holding the spindle lock button.



Image 4.1: Close-up view of the blade area. This image shows the blade, spindle, and retaining screw, illustrating the components involved in blade installation.

## 4.2 Adjusting Cutting Depth

To adjust the cutting depth, loosen the depth adjustment lever, move the base plate to the desired depth, and then firmly tighten the lever. Ensure the blade extends slightly below the workpiece for a clean cut.

## 4.3 Adjusting Bevel Angle

For angled cuts, loosen the bevel adjustment lever, tilt the saw to the desired angle (up to 45 degrees), and then tighten the lever securely. Always perform a test cut on scrap material to verify the angle.

## 4.4 Dust Extraction Connection

Connect a suitable dust extraction system to the saw's dust port to minimize airborne dust and maintain a clear view of the cutting line. This improves safety and work quality.

# 5. OPERATING INSTRUCTIONS

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Always ensure your workpiece is securely clamped before cutting. Never attempt to cut freehand.

## 5.1 Starting and Stopping

- To start the saw, press the safety lock-off button (if present) and then squeeze the trigger switch.
- Allow the blade to reach full speed before engaging it with the workpiece.
- To stop the saw, release the trigger switch. Wait for the blade to come to a complete stop before setting the tool down.

## 5.2 Making Straight Cuts

Align the saw's cutting line indicator with your marked cut line. Maintain a firm grip on both the main and auxiliary handles. Apply steady, even pressure, guiding the saw smoothly through the material. Avoid forcing the saw, as this can lead to kickback or damage to the blade.



Image 5.1: A user demonstrating a straight cut with the Bosch GKS 150 Circular Saw. The user is wearing appropriate safety gear and maintaining a stable posture.

### 5.3 Using the Parallel Guide

For accurate rip cuts, attach the parallel guide to the saw's base plate. Adjust the guide to the desired width from the blade and tighten it. This ensures consistent, straight cuts along the length of the material.

## 6. MAINTENANCE

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Regular maintenance ensures the safe and efficient operation of your circular saw.

### 6.1 Cleaning

- Always unplug the tool before cleaning.
- Clean the ventilation openings regularly to prevent motor overheating.
- Remove sawdust and debris from the base plate, blade guard, and motor housing using a brush or compressed air.

### 6.2 Blade Care

Inspect the saw blade before each use for sharpness, cracks, or missing teeth. A dull or damaged blade can cause kickback and poor cut quality. Replace damaged blades immediately.

### 6.3 Carbon Brush Replacement

The Bosch GKS 150 features an easy system for carbon brush replacement. When the motor performance decreases or sparks become excessive, it may be time to replace the carbon brushes. Refer to the service diagram or contact an authorized service center for detailed instructions.



Image 6.1: A carbon brush, a replaceable component in the saw's motor. Regular inspection and replacement of carbon brushes are crucial for maintaining motor efficiency.

## 7. TROUBLESHOOTING

If you encounter issues with your Bosch GKS 150 Circular Saw, consult the table below for common problems and solutions.

Problem	Possible Cause	Solution
Saw does not start	No power supply; Faulty switch; Worn carbon brushes	Check power connection; Contact service center; Replace carbon brushes
Poor cut quality / Excessive splintering	Dull or incorrect blade; Incorrect cutting depth; Forcing the saw	Replace blade or use appropriate blade for material; Adjust cutting depth; Guide saw smoothly
Saw overheats	Blocked ventilation slots; Overloading the motor	Clean ventilation slots; Reduce cutting load; Allow saw to cool
Excessive vibration	Damaged or unbalanced blade; Loose components	Replace blade; Check and tighten all fasteners

For problems not listed or if solutions do not resolve the issue, contact an authorized Bosch service center.

## 8. SPECIFICATIONS

Feature	Specification
Brand	Bosch
Model Number	06016B30G1

Feature	Specification
Rated Power	1500 W (Note: Some specifications may list 1800W max)
Voltage	127 V
Blade Material	High-speed steel
Recommended Surface	Wood
Power Source	Corded Electric
Special Feature	Portable
Included Components	Case, 2 Bosch discs
Product Dimensions (L x W x H)	34.7 cm x 23.2 cm x 25.7 cm
Product Weight	5 Kilograms
Blade Length	184 mm
Number of Teeth (per disc)	24
Max. Cutting Angle	90 Degrees (adjustable to 45 degrees)
Handle Material	Plastic



Image 8.1: Dimensions of the Bosch GKS 150 Circular Saw. This image provides a visual representation of the saw's length, width, and height.

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

Your Bosch GKS 150 Circular Saw comes with a **1-year warranty** from the date of purchase. This warranty

covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, abuse, normal wear and tear, or unauthorized repairs.

## **9.2 Customer Support**

For technical assistance, service, or warranty claims, please contact Bosch customer support or visit an authorized Bosch service center. Contact information can typically be found on the Bosch official website or on your product packaging.

## **10. OFFICIAL PRODUCT VIDEO**

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No official product video was available for embedding from the provided product data.