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Bosch GKS 20-65 Portable Circular Saw User Manual

Model: GKS 20-65

INTRODUCTION

Thank you for choosing the Bosch GKS 20-65 Portable Circular Saw. This powerful and robust tool is designed for efficient and heavy-duty cutting tasks, particularly in wood. Its compact design and optimized features ensure precision, safety, and durability for industrial use. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your circular saw.

GENERAL SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, fire, and serious injury.

- **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:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating noisy tools. 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:** Always hold the saw firmly with both hands. Ensure the workpiece is properly supported. Avoid cutting wet or warped wood.

COMPONENTS OVERVIEW

Familiarize yourself with the main parts of your Bosch GKS 20-65 Circular Saw for safe and effective operation.



Figure 1: Front view of the Bosch GKS 20-65 Portable Circular Saw, showing the main handle, auxiliary handle, blade guard, and the carbide blade. This view highlights the robust construction and the clear markings on the base plate for precise cuts.



Figure 2: Angled view of the Bosch GKS 20-65 Portable Circular Saw, providing a better perspective of the motor housing and the

overall compact design. The ergonomic handles are visible, designed for comfortable and stable operation.



Figure 3: Rear view of the Bosch GKS 20-65 Portable Circular Saw, emphasizing the powerful motor and the ventilation design. This angle also shows the power cord connection point and the robust casing.

SETUP

1. Unpacking and Inspection

Carefully remove the circular saw and all accessories from the packaging. Inspect the tool for any signs of damage that may have occurred during shipping. Do not operate the tool if it appears damaged.

2. Blade Installation (if not pre-installed)

1. Ensure the saw is unplugged from the power source.
2. Press the spindle lock button to secure the blade shaft.
3. Use the provided wrench to loosen the blade bolt by turning it counter-clockwise.
4. Lift the lower blade guard and remove the outer flange.
5. Place the new carbide blade onto the spindle, ensuring the rotation arrow on the blade matches the arrow on the saw's guard.
6. Replace the outer flange and tighten the blade bolt clockwise using the wrench. Release the spindle lock.

3. Adjusting Cutting Depth

The cutting depth can be adjusted to match the thickness of your workpiece. Loosen the depth adjustment lever, move the base plate up or down to the desired depth indicated on the scale, and then securely tighten the lever.

4. Adjusting Bevel Angle

For angled cuts, loosen the bevel adjustment knob, tilt the base plate to the desired angle (up to 45 degrees) indicated on the bevel scale, and then tighten the knob firmly.

OPERATING INSTRUCTIONS

1. Powering On/Off

To start the saw, press the trigger switch. To stop, release the trigger switch. Some models may have a lock-on button for continuous operation; press the trigger, then the lock-on button, and release the trigger. To turn off from lock-on, press and release the trigger again.

2. Making a Cut

Ensure your workpiece is securely clamped. Align the perfected base plate markings with your cutting line. Hold the saw firmly with both hands, utilizing the auxiliary handle for increased stability. Allow the blade to reach full speed before entering the material. Maintain a steady, consistent feed rate. The optimized guard design ensures efficient dust extraction during operation.



Figure 4: A user demonstrating the Bosch GKS 20-65 Portable Circular Saw in action, cutting a wooden board. This image illustrates proper two-handed grip and the saw's application in a professional setting, highlighting its stability and ease of use for precise cuts.

3. Using Bosch Accessories

For optimal performance and extended tool life, always use genuine Bosch accessories, such as high-quality carbide blades suitable for wood cutting.

MAINTENANCE

1. Cleaning

Regularly clean the saw's ventilation openings to prevent motor overheating. Use a soft brush or compressed air to remove dust and debris from the motor housing and blade guard. Do not use water or chemical cleaners.

2. Blade Care

Inspect the blade regularly for sharpness and damage. A dull or damaged blade can cause kickback and poor cut quality. Replace worn blades promptly. Ensure the blade is clean of resin buildup, which can be removed with a suitable blade

cleaner.

3. Storage

When not in use, store the circular saw in a dry, secure location out of reach of children. Protect the power cord from damage. If storing for extended periods, ensure the tool is clean and the blade is protected.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Saw does not start	No power supply; faulty switch; carbon brushes worn.	Check power cord and outlet. Ensure switch is fully engaged. Consult a qualified service technician for brush replacement.
Excessive vibration or noise	Loose blade; damaged blade; bent arbor.	Tighten blade bolt. Replace damaged blade. If arbor is bent, seek professional repair.
Blade binds or smokes during cut	Dull blade; incorrect blade for material; improper feed rate; workpiece not supported.	Replace or sharpen blade. Use appropriate blade for wood. Reduce feed rate. Ensure workpiece is stable and supported.
Poor cut quality (rough edges, splintering)	Dull blade; incorrect blade type; improper depth setting.	Replace or sharpen blade. Use a fine-tooth blade for finish cuts. Adjust cutting depth correctly.

SPECIFICATIONS

Feature	Detail
Brand	Bosch
Model	GKS 20-65
Color	Blue
Blade Material	Carbide
Recommended Surface	Wood
Power Source	Electric Cord
Special Feature	Stability and Safety
Included Components	Portable Circular Saw GKS 20-65
Product Dimensions	40L x 32W x 22H centimeters
Voltage	127 Volts

WARRANTY AND SUPPORT

Your Bosch GKS 20-65 Portable Circular Saw comes with a **Limited Warranty**. Please refer to the warranty card included with your purchase for specific terms, conditions, and duration. For technical assistance, service, or to inquire about warranty claims, please contact Bosch customer support through their official website or authorized service centers. Always provide your model number (GKS 20-65) and purchase details when seeking support. For more information, you may visit the official [Bosch Professional Store on Amazon](#).