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- › [BLACK+DECKER](#) /
- › [BLACK+DECKER CS1250L-QS Circular Saw User Manual](#)

**BLACK+DECKER CS1250L-QS**

# BLACK+DECKER CS1250L-QS Circular Saw User Manual

Model: CS1250L-QS | Brand: BLACK+DECKER

## 1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your BLACK+DECKER CS1250L-QS Circular Saw. This 1250W Circular Saw is compact and lightweight, ideal for accurate rip, cross, and bevel cutting applications. Please read this manual thoroughly before first use and keep it for future reference.



Figure 1: BLACK+DECKER CS1250L-QS Circular Saw, showcasing its orange and black design with a silver blade guard.

## 2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools. Keep this manual for future reference.

### General Power Tool Safety Warnings

- **Work Area Safety:** Keep 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. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. Always wear eye protection. Use dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions.
- **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.

- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts.

## Circular Saw Specific Safety Warnings

- **Cutting Procedure:** Hold the power tool by insulated gripping surfaces when performing an operation where the cutting accessory may contact hidden wiring or its own cord.
- **Kickback:** Avoid kickback. Kickback is a sudden reaction to a pinched, bound, or misaligned saw blade. Always maintain a firm grip with both hands on the saw and position your body and arm to allow you to resist kickback forces.
- **Blade Guard:** Never defeat the purpose of the lower guard. Ensure the lower guard closes immediately after completing a cut.
- **Laser Guide Safety:** Do not stare directly into the laser beam.

## 3. SETUP

Before operating the circular saw, ensure it is properly set up and all adjustments are made according to your cutting requirements.

### 3.1 Unpacking and Contents

Carefully remove the circular saw and all accessories from the packaging. Inspect for any damage. The package should contain the circular saw, a 190mm blade, and an Allen key for blade changes.



Figure 2: The BLACK+DECKER Circular Saw in its retail packaging, highlighting key features like depth of cut, speed, and bevel angle.

### 3.2 Blade Installation/Removal

1. **Disconnect Power:** Always unplug the saw from the power source before changing the blade.
2. **Engage Spindle Lock:** Locate and press the spindle lock button to prevent the blade from rotating.
3. **Loosen Arbor Nut:** Use the provided Allen key to loosen the arbor nut by turning it counter-clockwise.
4. **Remove Old Blade:** Lift the lower blade guard and carefully remove the old blade.
5. **Install New Blade:** Place the new 190mm blade onto the arbor, ensuring the teeth are pointing in the direction of rotation indicated by the arrow on the saw.
6. **Tighten Arbor Nut:** Tighten the arbor nut securely by turning it clockwise with the Allen key while holding the spindle lock.

### 3.3 Adjusting Cutting Depth

The cutting depth can be easily adjusted to match the thickness of your workpiece. This saw allows cuts up to 66 mm deep.

1. **Loosen Depth Adjustment Lever:** Locate the depth adjustment lever on the side of the saw and loosen it.
2. **Set Depth:** Raise or lower the saw base to achieve the desired cutting depth. A general rule is to set the blade depth so that the blade extends approximately 1/8 inch (3 mm) below the material being cut.
3. **Secure Lever:** Tighten the depth adjustment lever firmly to lock the setting.

### 3.4 Adjusting Bevel Angle

The saw can make bevel cuts up to 45 degrees. The maximum depth of cut at 45 degrees is 50 mm.

1. **Loosen Bevel Adjustment Knob:** Locate the bevel adjustment knob/lever at the front of the saw base and loosen it.
2. **Set Angle:** Tilt the saw base to the desired bevel angle, indicated on the scale.
3. **Secure Knob:** Tighten the bevel adjustment knob/lever firmly to lock the setting.

### 3.5 Laser Guide Activation

The integrated laser guide assists in maintaining a straight cutting line.



*Figure 3: A close-up view of the circular saw's laser guide, showing the red laser line projecting from the tool.*

The laser guide typically activates when the saw is powered on. Ensure the laser is clean and unobstructed for optimal visibility.

## 4. OPERATING INSTRUCTIONS

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

### 4.1 General Cutting Techniques

- **Secure Workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during cutting.
- **Starting the Cut:** Place the front edge of the saw base flat on the workpiece. Align the blade with your cutting line. Start the saw and allow the blade to reach full speed before beginning the cut.
- **Guiding the Saw:** Apply steady, even pressure. Guide the saw along the cutting line, allowing the blade to do the work. Do not force the saw.
- **Finishing the Cut:** Support the off-cut piece to prevent it from binding the blade. Once the cut is complete,

release the trigger and allow the blade to stop completely before lifting the saw from the workpiece.



Figure 4: A user demonstrating a straight cut on a wooden board using the BLACK+DECKER Circular Saw.

## 4.2 Rip Cuts

Rip cuts are made along the grain of the wood. Use a rip fence or a straight edge guide for accuracy.

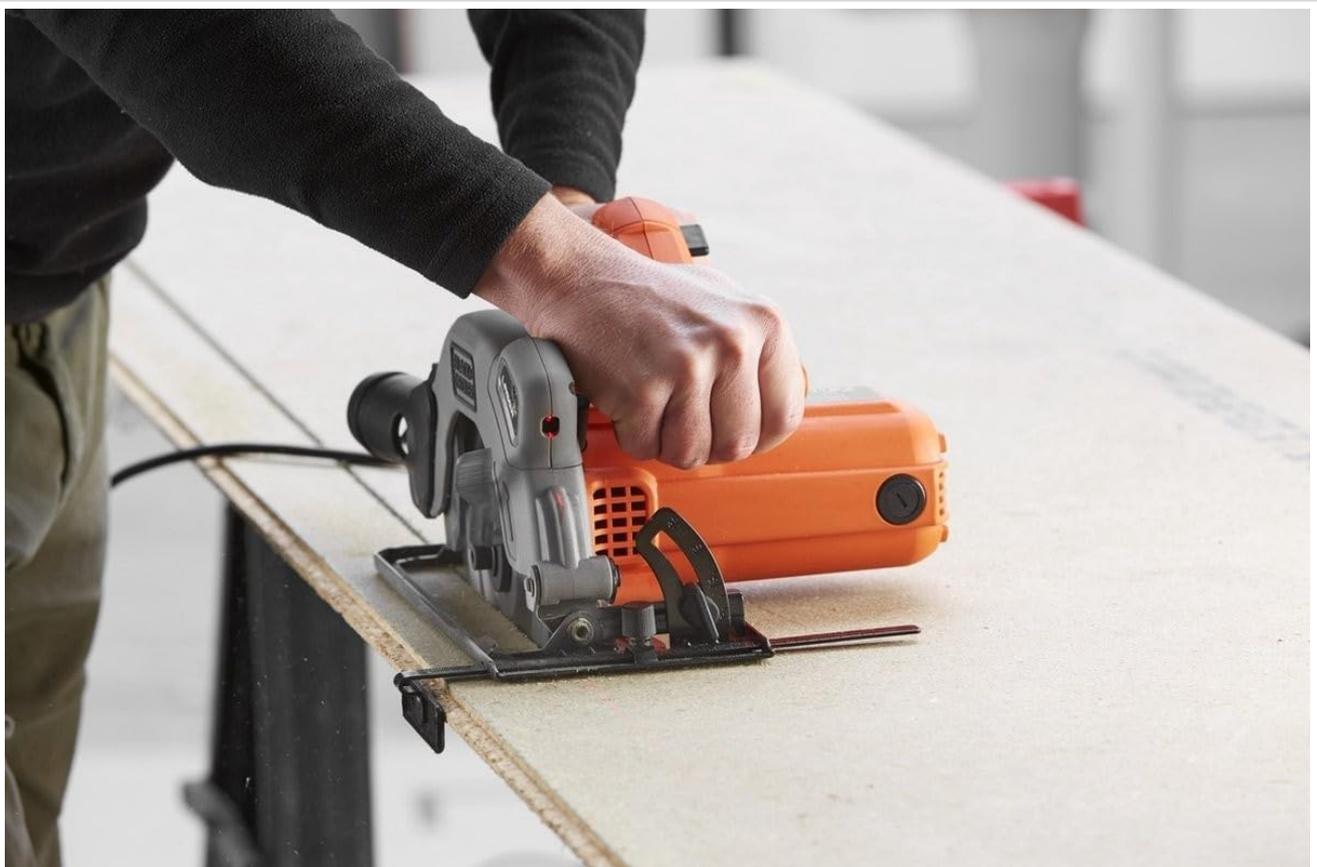


Figure 5: The circular saw in action, performing a rip cut along the length of a wooden panel.

### 4.3 Cross Cuts

Cross cuts are made across the grain of the wood. Mark your cutting line clearly and use the laser guide or a square for precision.

### 4.4 Bevel Cuts

For angled cuts, adjust the bevel angle as described in Section 3.4. Ensure the workpiece is securely supported to prevent shifting during the angled cut.



*Figure 6: A user making an angled (bevel) cut on a piece of wood, demonstrating the saw's adjustable base plate.*

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your circular saw.

- **Cleaning:** After each use, unplug the saw and use a dry cloth or soft brush to clean dust and debris from the ventilation openings, blade guard, and base plate. Do not use solvents or abrasive cleaners.
- **Blade Inspection:** Regularly inspect the blade for sharpness, cracks, or missing teeth. Replace dull or damaged blades immediately.
- **Cord Inspection:** Check the power cord for any cuts, fraying, or damage. If damaged, have it repaired by a qualified service technician.
- **Lubrication:** This tool is designed for a long life with minimal maintenance. No additional lubrication is required.
- **Storage:** Store the saw in a dry, secure location out of reach of children.

## 6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Saw does not start	No power supply; Damaged cord/plug; Faulty switch	Check power outlet and connections; Inspect cord/plug for damage (replace if necessary); Contact service center if switch is faulty.
Blade binds or smokes	Dull blade; Incorrect cutting depth; Forcing the saw; Workpiece not secured	Replace blade; Adjust cutting depth; Reduce feed pressure; Secure workpiece firmly.
Inaccurate cuts	Blade not properly installed; Base plate not square to blade; Laser guide misalignment	Reinstall blade correctly; Check and adjust base plate squareness; Clean laser guide or consult service for alignment.
Excessive vibration	Damaged or unbalanced blade; Loose components	Replace blade; Check all fasteners and tighten if loose.

## 7. SPECIFICATIONS

Key technical specifications for the BLACK+DECKER CS1250L-QS Circular Saw:

- **Model:** CS1250L-QS
- **Power Source:** AC
- **Wattage:** 1250 watts
- **Blade Diameter:** 190 mm
- **Max. Cutting Depth (90°):** 66 mm
- **Max. Cutting Depth (45° Bevel):** 50 mm
- **Blade Material:** High Speed Steel
- **Number of Teeth:** 24
- **Product Dimensions:** 10.12"L x 8.23"W x 13.62"H
- **Item Weight:** 3.4 Kilograms (7.48 pounds)
- **Color:** Orange/Black
- **Special Feature:** Spindle Lock, Laser Guide
- **Surface Recommendation:** Wood



Figure 7: Side view of the product packaging, detailing the saw's specifications and features in multiple languages.

## 8. WARRANTY AND SUPPORT

BLACK+DECKER products are manufactured to high quality standards and are guaranteed for a period of 2 years from the date of purchase against faulty materials or workmanship. This guarantee does not affect your statutory rights.

For warranty claims, technical support, or to locate an authorized service center, please visit the official BLACK+DECKER website or contact their customer service. You can find more information at [www.blackanddecker.com](http://www.blackanddecker.com).

For recycling information regarding packaging, please refer to [www.stanleyblackanddecker.com/packaging-recycling](http://www.stanleyblackanddecker.com/packaging-recycling).

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