

BLACK+DECKER BEG010-QS

BLACK+DECKER BEG010-QS 710W 115mm Compact Corded Angle Grinder User Manual

Model: BEG010-QS

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1. INTRODUCTION

Thank you for choosing the BLACK+DECKER BEG010-QS 710W 115mm Compact Corded Angle Grinder. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your new tool. Please read this manual thoroughly before operating the grinder and keep it for future reference.

This angle grinder is designed for cutting, grinding, and finishing various materials such as metal, stone, and ceramic tiles. Its compact design and powerful motor make it suitable for a wide range of DIY and home improvement projects.

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 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.

- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.

2.3 Personal Safety

- Always wear eye protection (safety goggles) and hearing protection.
- Wear appropriate clothing. 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.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

2.4 Power 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.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

3. PRODUCT OVERVIEW

The BLACK+DECKER BEG010-QS Angle Grinder is a versatile tool designed for various cutting, grinding, and finishing tasks. Familiarize yourself with its components and features for optimal use.



Figure 1: Front view of the BLACK+DECKER BEG010-QS Angle Grinder, showing the main body, side handle, and disc guard.



Figure 2: Side view of the BLACK+DECKER BEG010-QS Angle Grinder, highlighting its compact profile.

3.1 Key Features

- **710W Motor:** Provides powerful performance for various cutting, grinding, and finishing applications.
- **115mm Disc Size:** Ideal for most home and DIY projects, allowing access to tight spaces.
- **Soft-Start Technology:** Reduces initial tool movement upon startup, enhancing safety and extending motor life.
- **No-Volt Release Switch:** Prevents accidental startup after a power interruption, requiring manual reset for improved safety.
- **Lock-On Switch:** Allows continuous operation without holding the trigger, reducing user fatigue during extended tasks.
- **Spindle Lock System:** Facilitates quick and secure disc changes with a single tool.
- **Ergonomic Design:** Lightweight and compact with an ergonomic handle for comfortable control.

4. SETUP AND ASSEMBLY

Before using your angle grinder, ensure all components are correctly assembled and secured. Always disconnect the tool from the power supply before performing any assembly or adjustments.

4.1 Attaching the Side Handle

The side handle can be attached to either side of the gear housing for left or right-handed operation. Screw the handle firmly into the desired threaded hole until secure.

4.2 Attaching and Adjusting the Guard

The guard protects against sparks and debris. Loosen the guard clamping screw, position the guard to cover the disc as much as possible, and then tighten the screw securely.

4.3 Installing/Changing Grinding Discs

Note: Grinding discs are not included with this tool and must be purchased separately. Ensure the disc is appropriate for the material and task.

1. Ensure the grinder is unplugged from the power source.
2. Press and hold the spindle lock button (usually located on the gear housing).
3. Using the supplied spanner wrench, loosen and remove the outer flange nut by turning it counter-clockwise.
4. Place the desired 115mm grinding or cutting disc onto the inner flange, ensuring it sits flush.
5. Replace the outer flange nut and tighten it clockwise with the spanner wrench while holding the spindle lock button. Do not overtighten.



Figure 3: Illustrates the process of changing a grinding disc using the spindle lock and spanner wrench.

5. OPERATING INSTRUCTIONS

Always observe all safety precautions before and during operation. Wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.

5.1 Starting and Stopping the Grinder

- **To Start:** Plug the tool into a suitable power outlet. Press the ON/OFF switch. Due to the soft-start feature, the disc will gradually reach full speed.
- **To Stop:** Release the ON/OFF switch. If using the lock-on feature, press the switch again to release the lock and turn off the tool.
- **No-Volt Release:** If power is interrupted during operation, the tool will not restart automatically when power is restored. You must manually reset the ON/OFF switch to restart.

5.2 Grinding and Cutting Techniques

Hold the grinder firmly with both hands, ensuring a secure grip on the main handle and the side handle. Position the guard to direct sparks away from you and bystanders.

- **Grinding:** Apply light, even pressure. Allow the tool's weight and speed to do the work. Move the grinder across the workpiece in a controlled motion.
- **Cutting:** Use a cutting disc. Do not apply side pressure to the cutting disc; cut in a straight line. Ensure the workpiece is securely clamped.



Figure 4: Demonstrating cutting a wooden board with the angle grinder. Always wear appropriate safety gear.



Figure 5: Demonstrating grinding a metal pipe with the angle grinder. Note the sparks and safety precautions.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your tool. Always unplug the grinder before performing any maintenance.

6.1 Cleaning

- Keep the ventilation slots clean to prevent overheating. Use a soft brush or compressed air to clear dust and debris.
- Wipe the tool's exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.2 Inspection

- Regularly inspect the power cord for damage. If damaged, have it replaced by a qualified service agent.
- Check the grinding disc for wear, cracks, or damage before each use. Replace damaged discs immediately.
- Ensure all screws and fasteners are tight.

6.3 Storage

Store the grinder in a dry, secure place out of reach of children. Protect it from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your angle grinder, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Grinder does not start.	No power supply; No-volt release switch activated; Faulty power cord.	Check power outlet and circuit breaker; Reset the ON/OFF switch; Inspect power cord for damage (seek professional repair if damaged).
Excessive vibration.	Damaged or improperly installed disc; Loose components.	Replace damaged disc; Ensure disc is correctly installed and flange nut is tight; Check side handle and guard for tightness.
Overheating.	Blocked ventilation slots; Overloading the tool.	Clean ventilation slots; Reduce pressure during operation; Allow tool to cool down.
Poor cutting/grinding performance.	Worn or incorrect disc; Insufficient power.	Replace with a new, appropriate disc; Ensure tool is receiving adequate power.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	BLACK+DECKER
Model Number	BEG010-QS
Power Source	Corded Electric
Wattage	710 W
Voltage	230 Volts (Fitted with European Plug)
Disc Diameter	115 mm
Maximum Rotational Speed	12000 RPM
Item Weight	1.98 Kilograms (4.36 pounds)

Feature	Specification
Product Dimensions (L x W x H)	12.8" x 4.72" x 4.53"
Material	Metal
Special Features	Lightweight, Soft-Start, No-Volt Release Switch, Spindle Lock

9. 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 find an authorized service center, please visit the official BLACK+DECKER website or contact their customer service department.

Official Website: www.blackanddecker.com

Packaging Recycling Information: www.stanleyblackanddecker.com/packaging-recycling