

BLACK+DECKER BEG220-QS

BLACK+DECKER BEG220-QS Corded Angle Grinder Instruction Manual

Model: BEG220-QS

1. IMPORTANT SAFETY INSTRUCTIONS

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep work area clean and well lit. Do not operate power tools in explosive atmospheres.
- **Electrical Safety:** Power tool plugs must match the outlet. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use hearing protection. Wear a dust mask. Dress properly.
- **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.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts.

2. PRODUCT OVERVIEW

The BLACK+DECKER BEG220-QS is a 900W corded angle grinder designed for cutting and grinding various materials such as metal pipes, stone slabs, and ceramic tiles. It features a compact design, soft start function, improved spindle lock, and a 3-position adjustable handle for enhanced control and safety.



Figure 1: Overview of the BLACK+DECKER BEG220-QS Angle Grinder with side handle and guard.

Components:

- Main Handle
- Side Handle (3-position adjustable)
- Spindle Lock Button
- On/Off Sliding Switch
- Disc Guard
- Power Cord

3. SETUP AND ASSEMBLY

3.1 Attaching the Side Handle

The side handle can be attached to either side of the gear housing or on top, depending on the application and user preference. This provides optimal control and comfort.

1. Screw the side handle into one of the three threaded holes on the gear housing.
2. Tighten securely.

3.2 Installing/Changing the Grinding/Cutting Disc

Warning: Always disconnect the tool from the power supply before changing accessories.

1. Press and hold the spindle lock button.
2. Using the supplied spanner wrench, loosen and remove the outer flange nut by turning it counter-clockwise.
3. Place the desired grinding or cutting disc onto the inner flange, ensuring it is centered.
4. Replace the outer flange nut and tighten it clockwise with the spanner wrench while holding

the spindle lock button.

5. Ensure the disc guard is properly positioned for the task.



Figure 2: Illustration of installing a grinding disc onto the tool.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

1. To turn the tool on, slide the ON/OFF switch forward until it locks into the ON position. The soft start feature will reduce initial vibrations.
2. To turn the tool off, slide the ON/OFF switch backward to the OFF position.

4.2 Grinding and Cutting Techniques

Always ensure the workpiece is securely clamped. Maintain a firm grip on the tool with both hands.

- **Grinding:** Hold the tool at an angle of approximately 15-30 degrees to the workpiece. Apply moderate pressure and move the tool evenly across the surface.
- **Cutting:** Hold the tool perpendicular to the workpiece. Allow the disc to cut through the material without forcing it. Avoid twisting or bending the disc.



Figure 3: Demonstrating the angle grinder being used to cut a ceramic tile.



Figure 4: The angle grinder in use for cutting a metal pipe, illustrating proper technique and safety gear.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the tool's lifespan.

- **Cleaning:** Keep the ventilation slots clean to prevent overheating. Use a soft brush or compressed air to remove dust and debris.
- **Disc Inspection:** Regularly inspect grinding and cutting discs for wear, cracks, or damage. Replace damaged discs immediately.

- **Carbon Brushes:** The carbon brushes may need replacement after extended use. This should be performed by a qualified service technician.
- **Cord Inspection:** Check the power cord for any damage. Do not use the tool if the cord is damaged.



Figure 5: The angle grinder equipped with a wire brush attachment for surface preparation, such as rust removal.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	No power supply; Damaged power cord; Faulty switch	Check power connection; Inspect cord for damage; Contact service center
Excessive vibration	Loose disc; Damaged disc; Worn bearings	Tighten disc; Replace disc; Contact service center
Overheating	Blocked ventilation slots; Overloading the tool	Clean ventilation slots; Reduce load; Allow tool to cool

7. SPECIFICATIONS

Feature	Specification
Model Number	BEG220-QS
Power Input	900 Watts
Voltage	230 Volts

Feature	Specification
Disc Diameter	125 mm
No-Load Speed	12,000 rpm
Weight	2 Kilograms
Sound Level	44 Decibels
Switch Style	Sliding Lock-on

8. WARRANTY AND SUPPORT

BLACK+DECKER provides a warranty for this product. Please refer to the warranty card included with your purchase for specific terms and conditions. Spare parts availability is typically 2 years from the date of purchase.

For technical support, service, or to order replacement parts, please visit the official BLACK+DECKER website or contact their customer service department.

Website: www.blackanddecker.com