

Bosch GWS 25-180 LVI VULCANO

Bosch GWS 25-180 LVI VULCANO 7-inch Angle Grinder Instruction Manual

Model: GWS 25-180 LVI VULCANO | Power: 2500W | Voltage: 220V

1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient operation, maintenance, and care of your Bosch GWS 25-180 LVI VULCANO 7-inch Angle Grinder. Please read this manual thoroughly before using the tool and keep it for future reference. Proper use and adherence to safety guidelines will ensure optimal performance and extend the life of your tool.

2. GENERAL SAFETY INSTRUCTIONS

Always observe the following fundamental safety precautions when operating power tools to reduce the risk of electric shock, fire, and serious injury.

- **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.
- **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.
- **Personal Safety:** Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, dust mask, heavy-duty gloves, and protective clothing. Do not overreach. Keep proper footing and balance at all times.
- **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 Stop:** This tool is equipped with a KickBack Stop feature, which automatically shuts down the tool if the disc jams, reducing the risk of sudden kickback.
- **Restart Protection:** The tool will not restart automatically after a power interruption, even if the switch is in the ON position. This prevents unintended startup.
- **Soft Start:** The Soft Start feature ensures a smooth and controlled startup, reducing initial torque and improving user control.

- **Dead Man Switch:** The tool features a Dead Man Switch, which requires continuous pressure to operate. Releasing the switch immediately stops the tool, enhancing safety.

3. PRODUCT OVERVIEW

The Bosch GWS 25-180 LVI VULCANO is a powerful 7-inch angle grinder designed for heavy-duty cutting and grinding applications. It features a robust 2500W motor and a turbo cooling system for extended durability.

Key Components

- Main Handle
- Anti-vibration Auxiliary Handle
- Protective Guard
- Spindle Lock Button
- Tri-Control Switch
- Grinding/Cutting Disc (accessory, not included)

Features

- 2500 Watts of power and 6,500 RPM for demanding tasks.
- Anti-vibration handle ensures improved ergonomics during use.
- Tri-Control switch prevents unintentional activation of the tool.
- Integrated safety features: KickBack Stop, protective guard, Restart Protection, Soft Start, and Dead Man Switch.
- Turbo cooling system for enhanced motor longevity.



Figure 1: Side view of the Bosch GWS 25-180 LVI VULCANO Angle Grinder, showing the main body and handle.

4. SETUP

4.1 Unpacking

Carefully remove the angle grinder and all accessories from the packaging. Inspect the tool for any damage that may have occurred during shipping. Do not operate a damaged tool.

4.2 Attaching the Auxiliary Handle

The anti-vibration auxiliary handle can be screwed into either the left or right side of the gear head, depending on your preference and the application. Ensure it is securely tightened before operation.



Figure 2: Top view of the angle grinder, illustrating the attachment point for the auxiliary handle.

4.3 Mounting the Grinding/Cutting Disc

1. Ensure the tool is unplugged from the power source.
2. Press and hold the spindle lock button.
3. Place the backing flange onto the spindle.
4. Position the grinding or cutting disc onto the backing flange. Ensure the disc is compatible with the tool's specifications (7-inch diameter).
5. Screw the clamping nut onto the spindle and tighten it firmly using the provided spanner wrench.
6. Release the spindle lock button.

4.4 Adjusting the Protective Guard

The protective guard must always be used for grinding and cutting operations. Adjust the guard to ensure maximum protection for the operator, directing sparks and debris away from your body. Loosen the clamping screw, rotate the guard to the desired position, and then firmly tighten the screw.

5. OPERATING INSTRUCTIONS

Before starting, ensure all safety instructions are understood and followed. Always wear appropriate PPE.

5.1 Powering On/Off

- **To Turn On:** Press and hold the Tri-Control switch. The tool will start with a Soft Start.
- **To Turn Off:** Release the Tri-Control switch. The tool will stop immediately due to the Dead Man Switch feature.

5.2 Working with the Angle Grinder

Hold the tool firmly with both hands, one on the main handle and one on the auxiliary handle. Position the disc at a slight angle to the workpiece for grinding, or perpendicular for cutting. Apply moderate pressure; do not force the tool. Allow the tool's speed and power to do the work.



Figure 3: A worker demonstrating proper use of the angle grinder with full personal protective equipment.

5.3 Safety Features in Operation

- **KickBack Stop:** If the disc binds or jams, the KickBack Stop system will detect the sudden rotation change and shut off the motor to prevent dangerous kickback.
- **Restart Protection:** In case of a power outage, the tool will not restart automatically when power is restored, even if the switch is engaged. You must manually reset the switch to restart the tool.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your angle grinder.

6.1 Cleaning

After each use, clean the ventilation slots to prevent dust buildup, which can lead to overheating. Use a soft brush or compressed air. Do not use water or chemical cleaners.

6.2 Inspection

Periodically inspect the power cord for damage. Check the protective guard and auxiliary handle for secure

attachment. Ensure the spindle lock button functions correctly. Replace worn or damaged accessories promptly.

6.3 Storage

Store the angle grinder in a dry, secure location out of reach of children. Ensure the tool is unplugged and cooled down before storage.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Tool does not start	No power supply; Tri-Control switch not fully engaged; Restart Protection activated.	Check power connection; Ensure switch is fully pressed; Disconnect and reconnect power, then re-engage switch.
Tool stops during operation	Overload; KickBack Stop activated; Power interruption.	Reduce pressure on workpiece; Check for disc jamming; Check power supply.
Excessive vibration	Worn or unbalanced disc; Loose auxiliary handle.	Replace disc; Tighten auxiliary handle.
Overheating	Blocked ventilation slots; Continuous heavy use.	Clean ventilation slots; Allow tool to cool down.

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

8. SPECIFICATIONS

Feature	Specification
Manufacturer	BOSCH
Model	GWS 25-180 LVI VULCANO
Power Source	Corded Electric
Voltage	220 Volts
Wattage	2500 Watts
RPM (No-load speed)	6,500 RPM
Disc Diameter	7 inches (180 mm)
Material	Metal
Color	Blue
Dimensions (Package)	58.8 x 16.2 x 12 cm

Feature	Specification
Weight (Package)	6.14 kg
Components Included	1 GWS 25-180 LVI VULCANO Angle Grinder, 1 Anti-vibration handle, 1 Spanner wrench, 1 Backing flange, 1 Clamping nut
Batteries Required	No

9. WARRANTY AND SUPPORT

This Bosch power tool is manufactured to high-quality standards. For information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official Bosch Professional website for your region. For technical assistance, spare parts, or service, please contact your local authorized Bosch service center. Always use genuine Bosch accessories for optimal performance and safety.

You can find more information and support at the [Bosch Professional Store](#).

© 2023 Bosch. All rights reserved. Information subject to change without notice.