

Bosch GWS 7-100

Bosch GWS 7-100 Angle Grinder User Manual

Model: GWS 7-100 (06013880F0)

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Bosch GWS 7-100 Angle Grinder. Please read these instructions carefully before using the tool and keep them for future reference. The Bosch GWS 7-100 is a professional-grade angle grinder designed for various metalworking tasks, including grinding, cutting, and polishing.

2. GENERAL SAFETY INSTRUCTIONS

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

- **Work Area Safety:** Keep the work area clean and well-lit. 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. Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection, hearing protection, and a dust mask. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **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.
- **Specific Grinder Safety:** Always ensure the guard is correctly fitted and adjusted. Use only discs rated for the grinder's speed. Never use damaged or incorrect accessories.

3. COMPONENTS AND FEATURES

Familiarize yourself with the main parts of your Bosch GWS 7-100 Angle Grinder.



Figure 1: Bosch GWS 7-100 Angle Grinder. This image shows the main body of the angle grinder, including the motor housing, gear head, spindle lock button, and a grinding disc attached.

- **Motor Housing:** Contains the 720W motor.
- **Gear Head:** Connects the motor to the spindle.
- **Spindle Lock Button:** Used to lock the spindle for disc changes.
- **Auxiliary Handle:** Provides additional grip and control.
- **Protective Guard:** Shields the user from sparks and debris.
- **On/Off Switch:** Controls power to the tool.



Figure 2: Bosch GWS 7-100 Angle Grinder with auxiliary handle attached. This view highlights the ergonomic design and the position of the auxiliary handle for two-handed operation.

4. SETUP

Proper setup ensures safe and effective operation.

- 1. Attaching the Auxiliary Handle:** Screw the auxiliary handle into one of the threaded holes on the gear head. Ensure it is tightened securely.
- 2. Adjusting the Protective Guard:** Loosen the guard clamping screw, position the guard to protect against sparks and debris, then tighten the screw firmly.
- 3. Mounting the Grinding/Cutting Disc:**
 - Ensure the tool is unplugged.
 - Press and hold the spindle lock button.
 - Place the inner flange onto the spindle.
 - Place the disc onto the inner flange, ensuring it sits correctly.
 - Screw on the clamping nut and tighten it using the spanner provided.



Figure 3: Bosch GWS 7-100 Angle Grinder fitted with a cutting disc. This image illustrates the tool ready for cutting operations, with the guard properly positioned.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation.

1. **Pre-Operation Check:** Before each use, inspect the tool, power cord, and disc for any damage. Ensure all guards and handles are securely attached.
2. **Starting the Tool:** Plug the tool into a suitable power outlet. Hold the grinder firmly with both hands. Press the On/Off switch to start.
3. **Grinding/Cutting:** Allow the disc to reach full speed before contacting the workpiece. Apply light, even pressure. For grinding, maintain an angle of approximately 15-30 degrees to the workpiece. For cutting, hold the tool at a 90-degree angle.
4. **Stopping the Tool:** Release the On/Off switch. Wait for the disc to stop completely before setting the tool down.

Important: Never attempt to cut or grind materials for which the tool or disc is not designed. Avoid overloading the tool.

6. MAINTENANCE

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

- **Cleaning:** Regularly clean the ventilation slots to prevent motor overheating. Use a soft brush or compressed air. Do not use water or solvents.
- **Disc Replacement:** Replace worn or damaged discs immediately. Always use genuine Bosch accessories or those recommended by Bosch.
- **Carbon Brushes:** The carbon brushes are wear parts. Have them checked and replaced by an authorized service

center when necessary.

- **Storage:** Store the tool in a dry, secure place out of reach of children.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Tool does not start	No power supply; Damaged cord/plug; Faulty switch	Check power connection; Inspect cord/plug; Contact service center
Excessive vibration	Damaged or improperly mounted disc; Loose components	Replace disc; Re-mount disc correctly; Tighten all fasteners
Overheating	Blocked ventilation slots; Overloading the tool	Clean ventilation slots; Reduce load; Allow tool to cool

8. SPECIFICATIONS

Key technical data for the Bosch GWS 7-100 Angle Grinder.

- **Model:** GWS 7-100
- **Manufacturer:** Bosch
- **Power Source:** Corded Electric
- **Wattage:** 720 Watts
- **No Load Speed:** 11000 RPM (Revolutions Per Minute)
- **Disc Diameter:** 100 mm
- **Grinding Spindle Thread:** M10
- **Item Weight:** 1.8 kg (approximately 1 kg 800 g)
- **Material:** Rubber (handle components)
- **Package Dimensions:** 36.2 x 12.2 x 12.2 cm
- **Item Model Number:** 06013880F0

9. WARRANTY AND SUPPORT

For warranty information, service, or technical support, please refer to the warranty card included with your product or visit the official Bosch website. You can also contact Bosch customer service directly for assistance with your GWS 7-100 Angle Grinder.

For more information, visit the [Bosch Store on Amazon](#).