

Bosch PWS 600

Bosch PWS 600 Angle Grinder Instruction Manual

Model: PWS 600 (0603411070)

1. PRODUCT OVERVIEW

The Bosch PWS 600 Angle Grinder is a versatile power tool designed for various tasks including grinding, cutting, brushing, and sanding. Its ergonomic design and powerful 600W motor make it suitable for working with metal, stone, and wood surfaces. Key features include a tool-free adjustable protective guard, spindle lock for easy accessory changes, and an anti-vibration handle for enhanced user comfort.



Image 1: The Bosch PWS 600 Angle Grinder held in hand, demonstrating its compact design and auxiliary handle.

2. SAFETY INFORMATION

Always prioritize safety when operating power tools. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

General Safety Warnings:

- **Read all safety warnings and instructions:** Familiarize yourself with the tool and its operation before use.
- **Wear personal protective equipment (PPE):** Always wear safety glasses, sturdy footwear, and protective gloves. A dust mask and hearing protection are also recommended depending on the application.
- **Keep work area clean and well-lit:** Cluttered or dark areas invite accidents.
- **Secure the workpiece:** Use clamps or a vise to hold the workpiece firmly.
- **Avoid accidental starting:** Ensure the switch is in the off-position before connecting to power, picking up, or carrying the tool.
- **Do not overreach:** Maintain proper footing and balance at all times.

Angle Grinder Specific Safety:

- **Use correct accessories:** Only use grinding, cutting, or brushing accessories that are rated for the tool's speed and are correctly sized (115 mm maximum disc diameter).
- **Ensure guard is properly installed:** The protective guard must be securely in place and adjusted to cover the maximum possible part of the disc.
- **Be aware of sparks:** Grinding and cutting operations produce sparks. Keep flammable materials away from the work area.
- **Prevent kickback:** Always hold the tool firmly with both hands. Avoid situations where the disc can bind or get pinched.

3. SETUP

3.1 Attaching the Auxiliary Handle

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

3.2 Installing and Adjusting the Protective Guard

The PWS 600 features a tool-free adjustable protective guard. To adjust:

1. Loosen the locking lever on the guard.
2. Rotate the guard to the desired position to protect against sparks and debris.
3. Securely tighten the locking lever. The guard's coding prevents incorrect mounting.

3.3 Mounting Grinding/Cutting Discs

To change or install a disc:

1. Ensure the tool is unplugged from the power supply.
2. Press and hold the spindle lock button located on the gear head.
3. Use the supplied spanner wrench to loosen the clamping nut and remove the old disc. If using an optional tool-free (SDS-click) nut, simply unscrew it by hand.
4. Place the new disc onto the spindle, ensuring it is correctly seated.
5. Tighten the clamping nut firmly with the spanner wrench while holding the spindle lock button. For SDS-click nuts, tighten by hand.

6. Release the spindle lock button.

4. OPERATING INSTRUCTIONS

4.1 Switching On/Off

- **To switch on:** Slide the on/off switch (located on the top of the tool) forward until it locks into the 'ON' position.
- **To switch off:** Press the rear part of the on/off switch to release it to the 'OFF' position.

4.2 General Operation

Hold the angle grinder firmly with both hands, utilizing the main handle and the auxiliary handle. The anti-vibration handle contributes to reduced fatigue during extended use. Allow the disc to reach full speed before making contact with the workpiece. Apply moderate pressure and move the tool smoothly across the surface.

4.3 Applications

- **Grinding:** Ideal for quickly grinding metal surfaces. Use a grinding disc and move the tool at a slight angle to the workpiece.



Image 2: Grinding a metal grate with the PWS 600, illustrating the sparks generated during operation.

- **Cutting:** Suitable for cutting metal profiles, pipes, stone slabs, and tiles (with appropriate diamond cutting disc, sold separately). Ensure the cutting disc is perpendicular to the workpiece.



Image 3: Cutting a metal pipe using the PWS 600, demonstrating precision cutting capabilities.

- **Brushing:** Use a wire brush attachment for cleaning rust, paint, or other coatings from metal surfaces.



Image 4: Using the PWS 600 with a wire brush to remove rust from a metal gate, showcasing its versatility.

- **Sanding:** With a sanding plate and appropriate sandpaper (sold separately), the tool can be used for rapid sanding on wooden or metal surfaces.

5. MAINTENANCE

5.1 Cleaning

Regularly clean the ventilation slots of the tool to prevent overheating. Use a soft brush or compressed air to remove dust and debris. Do not use water or chemical cleaning agents.

5.2 Accessory Inspection

Before each use, inspect grinding, cutting, or brushing accessories for damage, cracks, or excessive wear. Replace damaged accessories immediately.

5.3 Storage

Store the tool in a dry, secure place out of reach of children. Ensure the power cord is not kinked or damaged during storage.

6. TROUBLESHOOTING

Tool Does Not Start:

- Check if the power cord is securely plugged into a working outlet.
- Ensure the on/off switch is fully engaged in the 'ON' position.
- Inspect the power cord for any visible damage.

Excessive Vibration:

- Check if the grinding/cutting disc is correctly mounted and tightened.
- Inspect the disc for damage or imbalance; replace if necessary.
- Ensure the auxiliary handle is securely fastened.

For issues not resolved by these steps, contact authorized Bosch service personnel.

7. SPECIFICATIONS

Feature	Specification
Brand	Bosch
Model Number	0603411070
Power Source	Electric Coded
Wattage	600 watts
Maximum Rotational Speed	11000 RPM
Disc Diameter	115 mm
Material	Aluminum (gear housing)

Feature	Specification
Color	Black / Green
Item Dimensions (L x W x H)	Approx. 36.6 x 12.2 x 11.8 cm
Item Weight	2.32 kg

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Bosch power tools are manufactured to high-quality standards and undergo rigorous testing. This product is covered by a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms, conditions, and registration details. Keep your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, spare parts, or service, please contact your local authorized Bosch service center or visit the official Bosch website for contact information in your region. When contacting support, please have your model number (PWS 600) and serial number (if applicable) ready.