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› [PARKSIDE PWS 125 F6 Angle Grinder User Manual - 1200W, 230V](#)

## Parkside PWS 125 F6

# PARKSIDE PWS 125 F6 Angle Grinder User Manual

Model: PWS 125 F6 | Brand: Parkside

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective operation, setup, and maintenance of your PARKSIDE PWS 125 F6 Angle Grinder. Please read these instructions carefully before using the tool and keep them for future reference. Proper use and adherence to safety guidelines will ensure optimal performance and extend the lifespan of your angle grinder.

## 2. GENERAL SAFETY INSTRUCTIONS

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**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. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- 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.

### 2.3 Personal Safety

- Always wear eye protection. Use safety glasses, goggles, or a face shield.
- Wear appropriate personal protective equipment (PPE) such as dust mask, non-skid safety shoes, hard hat,

or hearing protection for appropriate conditions.

- Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.

### 3. PRODUCT OVERVIEW

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The PARKSIDE PWS 125 F6 is a powerful angle grinder designed for cutting, grinding, and brushing various materials. It features a robust die-cast aluminum gear housing and continuously adjustable rotation speed for versatile applications.



Figure 1: Overview of the Parkside PWS 125 F6 Angle Grinder, showing the main body, auxiliary handle, and a mounted cutting disc.

#### 3.1 Key Features

- **Continuously Adjustable Speed:** Allows for precise control over various materials and tasks.
- **Robust Die-Cast Aluminum Gear Housing:** Ensures durability and efficient heat dissipation.
- **3-Position Auxiliary Handle:** Provides ergonomic handling for both left and right-handed users, enhancing control and safety.
- **Spindle Lock:** Facilitates quick and easy tool changes.
- **2-in-1 Protective Guard:** Designed for both cutting and grinding applications, with tool-free quick adjustment.
- **Softgrip Anti-Slip Equipment:** Enhances user comfort and grip during operation.



Figure 2: The angle grinder demonstrating the three possible positions for attaching the auxiliary handle, offering flexibility for different tasks and user preferences.

## 4. SETUP

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Before starting any work, ensure the angle grinder is unplugged from the power source.

### 4.1 Attaching the Auxiliary Handle

1. The auxiliary handle can be screwed into one of the three designated positions on the gear housing (left, right, or top).
2. Choose the position that offers the best control and comfort for your specific task.
3. Tighten the handle securely by hand.

### 4.2 Mounting the Grinding/Cutting Disc

1. Press and hold the spindle lock button.
2. Use the included mounting wrench to loosen and remove the clamping nut.
3. Place the desired 125mm grinding or cutting disc onto the flange, ensuring it sits correctly.
4. Replace the clamping nut and tighten it firmly with the mounting wrench while holding the spindle lock button.
5. Ensure the disc is securely fastened and rotates freely without wobbling.

### 4.3 Adjusting the Protective Guard

The 2-in-1 protective guard can be adjusted quickly without tools.

1. Loosen the quick-release lever on the protective guard.
2. Rotate the guard to the desired position to protect against sparks and debris, ensuring it covers the maximum possible area of the disc not in contact with the workpiece.
3. Tighten the quick-release lever to secure the guard in place.



Figure 3: A detailed view of the angle grinder's disc area, highlighting the protective guard and the spindle lock mechanism for disc changes.

## 5. OPERATING INSTRUCTIONS

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Always wear appropriate safety gear, including eye protection, gloves, and hearing protection, before operating the angle grinder.

### 5.1 Powering On/Off

1. Plug the angle grinder into a suitable 230V power outlet.
2. To turn on, slide the ON/OFF switch forward. For continuous operation, press the front part of the switch down until it locks.
3. To turn off, release the switch. If locked, press the rear part of the switch to release it.

### 5.2 Adjusting Speed

The angle grinder features a continuously adjustable speed control. Rotate the speed adjustment dial, usually located near the rear of the tool, to select the desired RPM (3000-12000  $\text{min}^{-1}$ ). Lower speeds are suitable for brushing or polishing, while higher speeds are for cutting and grinding.

### 5.3 Grinding and Cutting

1. Secure the workpiece firmly to prevent movement during operation.
2. Hold the angle grinder firmly with both hands, using the main handle and the auxiliary handle.
3. Allow the disc to reach full operating speed before making contact with the workpiece.
4. Apply light, even pressure. Do not force the tool, as this can lead to kickback or damage the disc/tool.
5. For cutting, use a cutting disc and make shallow passes. For grinding, use a grinding disc and maintain a slight angle (15-30 degrees) to the workpiece.
6. Always direct sparks away from yourself and others.



Figure 4: The angle grinder actively cutting a metal pipe, demonstrating proper usage with sparks flying away from the user.

## 6. MAINTENANCE

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

### 6.1 Cleaning

- Keep the ventilation slots clean to prevent overheating. Use a soft brush or compressed air to remove dust

and debris.

- Wipe the tool housing with a damp cloth. Do not use harsh cleaning agents or solvents.

## 6.2 Carbon Brush Replacement

The angle grinder includes two spare carbon brushes. Worn carbon brushes can lead to reduced performance or tool failure. Consult a qualified technician if you are unsure how to replace them.

## 6.3 Storage

Store the angle grinder in a dry, secure place, out of reach of children. Ensure the power cord is neatly coiled and not kinked.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	No power supply; Faulty switch; Worn carbon brushes	Check power connection; Inspect switch for damage; Replace carbon brushes
Reduced power/speed	Worn carbon brushes; Overload; Dirty ventilation slots	Replace carbon brushes; Reduce load; Clean ventilation slots
Excessive sparking at motor	Worn carbon brushes; Motor fault	Replace carbon brushes; Consult a qualified technician
Unusual noise or vibration	Loose disc; Damaged disc; Internal component issue	Check disc mounting; Replace damaged disc; Discontinue use and consult technician

## 8. SPECIFICATIONS

Feature	Specification
Model Number	PWS 125 F6
Manufacturer	PARKSIDE®
Power	1200 W
Voltage	230 V (AC)
Max. No-load Speed	3000-12000 rpm
Disc Diameter	125 mm
Power Source	Corded Electric
Cord Length	3 meters
Weight	2.1 kg
Dimensions (L x W x H)	35.9 x 13.7 x 11.5 cm
Material	Fiberglass, plastic, aluminum

Feature	Specification
Included Components	1 cutting disc 125mm, 1 mounting wrench, 2 spare carbon brushes

## 9. WARRANTY AND SUPPORT

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For warranty claims or technical support, please refer to your purchase documentation or contact the retailer where the product was purchased. Keep your proof of purchase for any warranty-related inquiries. Information regarding spare parts availability is currently not provided.