



[Manuals.plus](#) /

› [HILTI](#) /

› Hilti AG 125-8SE 230V Angle Grinder User Manual

HILTI AG 125-8SE

Hilti AG 125-8SE 230V Angle Grinder User Manual

Model: AG 125-8SE | Brand: HILTI

1. INTRODUCTION

Thank you for choosing the Hilti AG 125-8SE 230V Angle Grinder. This professional-grade power tool is designed for efficient cutting, grinding, and polishing of various materials including metals, stainless steel, and mineral bases. This manual provides essential information for safe operation, proper setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool. Please read these instructions carefully before using the tool and keep them for future reference.



EXCLUSIVO PARA CUENTAS BUSINESS

¿"No disponible"?

Inicia sesión en tu cuenta de empresa
para acceder a los precios

Image 1.1: Hilti AG 125-8SE 230V Angle Grinder with side handle attached.

2. GENERAL SAFETY INSTRUCTIONS

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 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. 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.
- 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 appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and a dust mask.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.

- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

2.4 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.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.

3. PRODUCT OVERVIEW

The Hilti AG 125-8SE 230V Angle Grinder is a robust and ergonomic tool designed for demanding tasks. Its powerful 850 W motor delivers high performance for various applications.

3.1 Key Features

- **Powerful Motor:** 850 W motor for efficient cutting and grinding.
- **Compact Design:** Slim, comfortable, and easy-to-use design for enhanced control and reduced fatigue during prolonged use.
- **Variable Speed Control:** Speed control knob for precise adjustment, ideal for polishing tasks, especially on stainless steel.
- **Versatile Applications:** Suitable for cutting, grinding, and polishing metals, steel, stainless steel, and mineral bases.
- **Optimal Disc Diameter:** Designed for 125 mm diameter discs, allowing a maximum cutting depth of 34 mm.

3.2 Included Components

Your Hilti AG 125-8SE 230V Angle Grinder package includes the following items:

- 1x Hilti AG 125-8SE 230V Angle Grinder
- 1x XSAG Side Handle
- 1x EU Guard Assembly
- 1x 125 mm Protective Cover
- 1x 125 mm Front Protective Cover



Image 3.1: Included accessories: protective guard and side handle.

4. SETUP

Before operating the angle grinder, ensure all components are correctly assembled and secured. Always disconnect the tool from the power supply before performing any assembly or adjustment.

4.1 Attaching the Side Handle

1. Identify the threaded holes on the gear housing of the angle grinder.
2. Screw the XSAG side handle firmly into one of the threaded holes. Ensure it is tightened securely for safe operation. The handle can be positioned on either side for left or right-handed use.

4.2 Installing the Protective Guard

1. Loosen the clamping screw on the protective guard.
2. Position the guard over the spindle collar, ensuring it covers the disc adequately for the intended operation.
3. Tighten the clamping screw firmly to secure the guard in place. The guard must be adjusted to protect the operator from sparks and debris.

4.3 Mounting the Grinding/Cutting Disc

1. Press the spindle lock button to prevent the spindle from rotating.
2. Place the inner flange onto the spindle.
3. Position the grinding or cutting disc onto the inner flange, ensuring it sits flat.
4. Screw the outer flange (quick-locking nut or standard nut) onto the spindle and tighten it firmly using the provided spanner or by hand for quick-locking nuts.
5. Release the spindle lock.
6. Ensure the disc is correctly seated and rotates freely without wobbling.



Image 4.1: Example of a Hilti cutting disc for the angle grinder.

5. OPERATING INSTRUCTIONS

Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and gloves before operating the angle grinder.

5.1 Powering On/Off

- **To Turn On:** Plug the tool into a suitable 230V power outlet. Press the ON/OFF switch. For continuous operation, engage the lock-on button (if available).

- **To Turn Off:** Release the ON/OFF switch. If locked on, press and release the switch to disengage the lock-on function.

5.2 Speed Control (for AG 125-8SE)

The AG 125-8SE model features a speed control knob. Rotate the knob to adjust the rotational speed of the disc. Lower speeds are generally used for polishing or when working with sensitive materials, while higher speeds are for cutting and grinding.

5.3 Cutting and Grinding Techniques

- **Secure Workpiece:** Always secure the workpiece firmly to prevent movement during operation.
- **Starting the Cut/Grind:** Allow the disc to reach full operating speed before making contact with the workpiece.
- **Angle of Approach:** For grinding, hold the tool at an angle of approximately 15-30 degrees to the workpiece. For cutting, hold the tool perpendicular (90 degrees) to the workpiece.
- **Even Pressure:** Apply consistent, moderate pressure. Do not force the tool, as this can lead to kickback or damage to the disc and motor.
- **Direction of Cut:** Always cut or grind away from your body.
- **Cooling:** For prolonged use, allow the tool to cool periodically to prevent overheating.



Image 5.1: Hilti AG 125-8SE Angle Grinder in use, demonstrating cutting action on metal rebar.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Hilti AG 125-8SE Angle Grinder. Always disconnect the tool from the power supply before performing any maintenance.

6.1 Cleaning

- Regularly clean the ventilation slots to prevent dust buildup, which can lead to overheating. Use a soft brush or compressed air.
- Wipe the tool housing with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep the side handle and protective guard free from debris.

6.2 Disc Replacement

Replace worn or damaged discs immediately. Follow the steps outlined in Section 4.3 "Mounting the Grinding/Cutting Disc" in reverse to remove the old disc, and then follow the steps to install a new one. Ensure the

new disc is compatible with the tool's specifications (125 mm diameter, appropriate RPM rating).

6.3 Carbon Brushes (if applicable)

Some models may have user-replaceable carbon brushes. If your tool experiences reduced power or intermittent operation, consult a qualified service technician or the Hilti service center for inspection and replacement of carbon brushes.

6.4 Storage

Store the angle grinder in a dry, secure place, out of reach of children and unauthorized users.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Hilti AG 125-8SE Angle Grinder. For problems not listed here, or if solutions do not resolve the issue, contact Hilti Customer Service.

Problem	Possible Cause	Solution
Tool does not start.	No power supply; faulty switch; worn carbon brushes.	Check power connection and outlet. Ensure switch is fully engaged. If problem persists, contact service.
Reduced power or intermittent operation.	Worn carbon brushes; motor overheating; damaged power cord.	Allow tool to cool down. Check power cord for damage. Contact service for brush replacement.
Excessive vibration.	Improperly mounted disc; damaged disc; loose components.	Check disc mounting and ensure it's secure. Replace damaged discs. Tighten all screws and guards.
Tool overheats quickly.	Blocked ventilation slots; continuous heavy load.	Clean ventilation slots. Reduce load or allow tool to cool periodically.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	AG 125-8SE
Manufacturer Product ID	2164256
Power Source	Electric Cable
Voltage	230 Volts
Power Input	850 Watts
No-load Speed	11500 rpm
Disc Diameter	125 mm
Max. Cutting Depth	34 mm
Weight (tool only)	2 kg

Feature	Specification
Material	Stainless steel, Metal
Included Components	1x Angle Grinder, 1x XSAG Side Handle, 1x EU Guard Assembly, 1x 125 mm Protective Cover, 1x 125 mm Front Protective Cover

9. WARRANTY AND SUPPORT

Hilti provides comprehensive support and warranty services for its products.

9.1 Hilti Warranty Coverage

Hilti offers repair or replacement of tools at no cost for **2 years** from the date of purchase. This coverage includes:

- Repair or replacement of the tool due to manufacturing defects.
- Coverage for wear and tear of parts.
- Free collection and delivery service for repairs.

**Exceptions may apply. Please consult your local Hilti Customer Service department for full terms and conditions.*

Máxima cobertura

Reparación o sustitución de herramientas por parte de Hilti sin coste alguno durante 2 años. Se incluye el desgaste de las piezas, así como la recogida y la entrega gratuitas

(*salvo excepciones. Consultar en nuestro departamento de Atención al Cliente)

2
AÑOS

Servicio incluido

0
COSTE

Reparación o sustitución

1
CLICK

Para solicitar reparación

Image 9.1: Hilti's 2-year no-cost warranty and service commitment.



Image 9.2: Visual representation of Hilti's warranty benefits.

9.2 Contacting Hilti Customer Service

For technical assistance, warranty claims, or to schedule a repair, please visit the official Hilti website or contact your local Hilti Customer Service department.

Official Hilti Website: www.hilti.com

