

Bosch GWS 6-125

Bosch GWS 6-125 Corded Electric Angle Grinder User Manual

Model: GWS 6-125

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Bosch GWS 6-125 Corded Electric Angle Grinder. Please read these instructions carefully before using the tool and keep them for future reference.



Image 1.1: The Bosch GWS 6-125 Corded Electric Angle Grinder, a powerful tool designed for grinding and cutting various materials.

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.

- Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and a dust mask.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away while operating a power tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- Secure the workpiece. Use clamps or other practical ways to secure the workpiece to a stable platform.

- Maintain proper footing and balance at all times.
- Do not force the power tool. Use the correct power tool for your application.
- Inspect the tool and accessories for damage before each use. Do not use if damaged.

3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged:

THE PACKAGE CONTAINS



1 BOSCH GWS 6-125 PROFESSIONAL ANGLE GRINDER

Image 3.1: The package contains one Bosch GWS 6-125 Professional Angle Grinder.

- 1 x Bosch GWS 6-125 Professional Angle Grinder
- 1 x Protection Guard
- 1 x Side Handle
- 1 x Spanner Wrench (for disc changes)

4. PRODUCT FEATURES

The Bosch GWS 6-125 Angle Grinder is engineered with several features to enhance performance and user experience:



BOSCH

- 1 COMPACT AND ERGONOMIC DESIGN ENSURES EASY HANDLING IN TIGHT SPACES.**
- 2 POWERFUL 670W MOTOR DELIVERS EFFICIENT GRINDING AND CUTTING PERFORMANCE.**
- 3 11,000 RPM NO-LOAD SPEED FOR FAST MATERIAL REMOVAL AND SMOOTH FINISHES.**
- 4 SPINDLE LOCK ALLOWS QUICK AND EASY ACCESSORY CHANGES.**
- 5 COMPATIBLE WITH 125 MM DISCS, RUBBER PADS, AND WIRE CUP BRUSHES FOR VERSATILE USE.**



Image 4.1: Visual representation of the key features and benefits of the GWS 6-125.

1. **Compact and Ergonomic Design:** Ensures easy handling, especially in tight spaces, contributing to user comfort and control.
2. **Powerful 670W Motor:** Delivers efficient grinding and cutting performance for various applications.
3. **11,000 RPM No-Load Speed:** Provides fast material removal and smooth finishes.
4. **Spindle Lock:** Allows for quick and easy accessory changes, improving workflow efficiency.
5. **125 mm Disc Compatibility:** Compatible with 125 mm discs, rubber pads, and wire cup brushes for versatile use across different tasks.
6. **Gear Head Rotation:** The gear head can be rotated in 90-degree steps, offering flexibility for various working positions.
7. **Cut-out Carbon Brushes:** Designed for extended motor life.
8. **Safety Switch:** Enhances user safety during operation.

5. SETUP AND ASSEMBLY

Before operating the angle grinder, ensure proper setup and assembly of components.

5.1 Attaching the Protection Guard

The protection guard must always be securely attached to the tool to protect against sparks and debris. Ensure it is positioned correctly for your application.

5.2 Attaching the Side Handle

Screw the side handle firmly into one of the threaded holes on the gear head. The side handle provides additional grip and control, which is crucial for safe operation.

5.3 Installing 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 desired 125 mm disc onto the backing flange.
5. Screw the clamping nut onto the spindle and tighten it securely using the spanner wrench.
6. Release the spindle lock.

HOW TO USE



1. Attach the desired disc securely using the spindle lock.



2. Hold the grinder firmly using the side handle for better control.



3. Power on and guide it steadily over the work surface for grinding or cutting tasks.

Image 5.1: Step 1 shows attaching the disc securely using the spindle lock. Step 2 illustrates holding the grinder firmly with the side handle for control.

6. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your angle grinder:

1. **Preparation:** Ensure the workpiece is securely clamped. Wear all necessary PPE.
2. **Power Connection:** Plug the tool into a suitable power outlet.
3. **Starting the Tool:** Hold the grinder firmly with both hands, ensuring a good grip on the side handle. Activate the safety switch and then the main power switch.
4. **Grinding/Cutting:** Allow the disc to reach full speed before contacting the workpiece. Apply light, even pressure. For grinding, move the tool back and forth across the surface. For cutting, guide the tool steadily along the cutting line.
5. **Stopping the Tool:** Release the power switch. Wait for the disc to come to a complete stop before setting the tool down.

HOW TO USE



1. Attach the desired disc securely using the spindle lock.



2. Hold the grinder firmly using the side handle for better control.



3. Power on and guide it steadily over the work surface for grinding or cutting tasks.

Image 6.1: Step 3 demonstrates powering on the grinder and guiding it steadily over the work surface for grinding or cutting tasks.

Important: Never use the side of a cutting disc for grinding. Always ensure the protection guard is correctly adjusted to deflect sparks away from you.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Bosch GWS 6-125 Angle Grinder.

- **Cleaning:** Regularly clean the ventilation slots to prevent dust buildup, which can lead to overheating. Use a soft brush or compressed air.
- **Carbon Brushes:** The tool features cut-out carbon brushes. When these wear down, the tool will automatically shut off. Replace both carbon brushes at the same time. This task should ideally be performed by a qualified service technician.
- **Cord Inspection:** Periodically inspect the power cord for any signs of damage. If damaged, have it repaired by an authorized service center.
- **Accessory Inspection:** Before each use, check grinding and cutting discs for cracks, chips, or other damage. Replace damaged accessories immediately.

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

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your angle grinder.

Problem	Possible Cause	Solution
Tool does not start.	No power supply; Worn carbon brushes; Faulty switch.	Check power connection; Replace carbon brushes (professional service recommended); Contact service center.
Excessive vibration.	Damaged or improperly mounted disc; Loose components.	Inspect and replace disc if damaged; Ensure disc and guard are securely fastened.
Overheating.	Blocked ventilation slots; Overloading the tool.	Clean ventilation slots; Reduce load and allow tool to cool.

9. TECHNICAL SPECIFICATIONS

Detailed specifications for the Bosch GWS 6-125 Corded Electric Angle Grinder:

TECHNICAL DATA

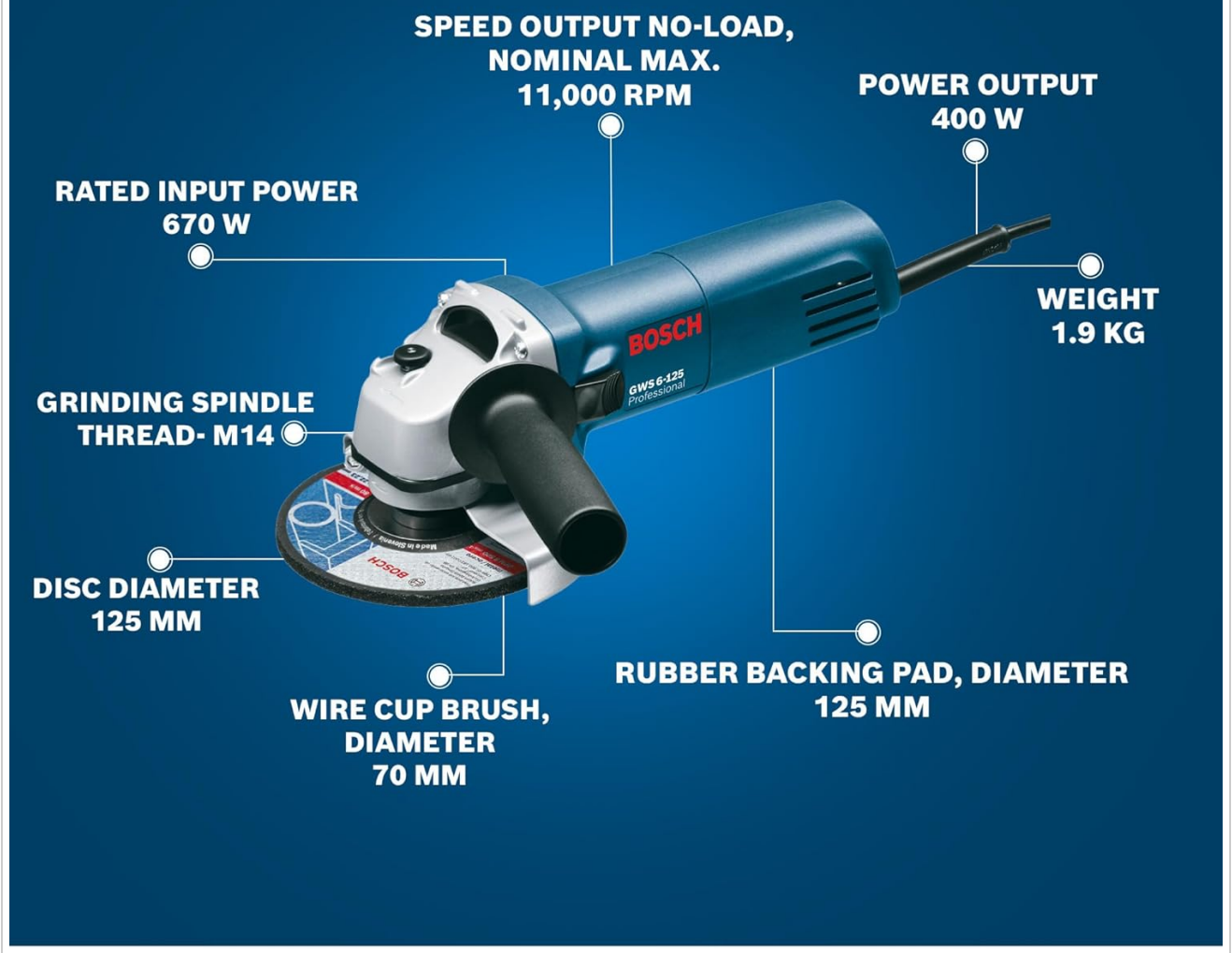


Image 9.1: An overview of the key technical specifications of the GWS 6-125.

Specification	Value
Brand	Bosch
Model	GWS 6-125
Rated Input Power	670 W
Power Output	400 W
Speed Output No-Load (Nominal Max)	11,000 rpm
Disc Diameter	125 mm
Grinding Spindle Thread	M14
Rubber Backing Pad Diameter	125 mm
Wire Cup Brush Diameter	70 mm

Specification	Value
Weight	1.9 kg
Power Source	Corded Electric
Material	Plastic, Carbon
Product Dimensions	15L x 15W x 15H Centimeters

10. APPLICATIONS

The Bosch GWS 6-125 Angle Grinder is suitable for a variety of professional applications, including:



Image 10.1: The angle grinder is utilized by technicians, fabricators, and contractors for tasks such as grinding and cutting metal.

- **Metal Grinding:** Smoothing welds, removing rust, and preparing metal surfaces.
- **Metal Cutting:** Cutting rebar, metal pipes, and sheets.
- **Surface Preparation:** Cleaning and deburring various materials.

- **Material Removal:** Efficiently removing excess material from workpieces.

Common users include technicians, fabricators, and contractors in construction and industrial settings.

11. WARRANTY AND SUPPORT







Your Bosch GWS 6-125 Angle Grinder comes with a **1-Year Warranty** from the date of invoice. To claim warranty service, please provide a copy of your purchase invoice.

For any queries or assistance, please contact Bosch Power Tools India Customer Service. You can find their toll-free number on the official Bosch website or product packaging.

Consider joining Bosch BeConnected for extended warranty benefits and rewards.

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

Related Documents - GWS 6-125

	Bosch GWS Professional Angle Grinder User Manual and Safety Instructions Comprehensive user manual and safety guide for Bosch GWS Professional angle grinders (GWS 6-100, 6-115, 6-125, 850 C/CE), covering operation, maintenance, technical specifications, and essential safety warnings.
	Bosch GWS Professional Angle Grinder Manual Comprehensive safety warnings, operating instructions, and technical specifications for the Bosch GWS Professional series of angle grinders. Learn about proper use, maintenance, and safety precautions.
	Bosch GWS Professional Angle Grinder Manual Comprehensive user manual for the Bosch GWS Professional series of angle grinders, including models 11-125, 19-125 CI, 19-125 CIE, 19-125 CIST, and 19-150 CI. This guide provides detailed safety instructions, operating procedures, and technical specifications for optimal use and maintenance.
	Bosch GWS Professional Angle Grinder Manual Comprehensive instructions and safety guidelines for the Bosch GWS Professional series of angle grinders, including models like the GWS 9-115 P, GWS 11-125 P, GWS 12-125 CIP, GWS 15-125 CIP, and GWS 15-150 CIP. Learn about proper usage, maintenance, and safety precautions for these power tools.
	Bosch GWS Professional Angle Grinder: Safety, Operation, and Maintenance Manual This manual provides essential safety warnings, operating instructions, maintenance guidelines, and technical specifications for the Bosch GWS Professional series of angle grinders.
	Bosch GWS Professional Angle Grinder Operating Manual Comprehensive operating manual for Bosch GWS Professional angle grinders, covering safety instructions, technical specifications, assembly, and usage guidelines for models 700, 710, 750, 750 S, 750-100, 750-100 I, and 750-125.

