

## Metabo 603623420

# Metabo W 11-125 Quick Angle Grinder Instruction Manual

Model: 603623420

## 1. PRODUCT OVERVIEW

The Metabo Pro Series Angle Grinder (Model 603623420) is a high-performance power tool engineered and manufactured in Germany. It is designed for demanding applications such as metal grinding and masonry cutting, offering exceptional durability, safety, and productivity. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Metabo angle grinder.



Figure 1: Metabo W 11-125 Quick Angle Grinder, showcasing its compact design and side handle.

## 2. SAFETY INFORMATION

Always adhere to general power tool safety warnings and instructions provided with the product. Failure to follow these warnings and instructions may result in electric shock, fire, and/or serious injury. Keep this instruction manual for future reference.

- **Personal Protective Equipment:** Always wear appropriate eye protection (safety glasses or face shield), hearing

protection, and heavy-duty gloves when operating the angle grinder. A dust mask is recommended for dusty operations.

- **Work Area Safety:** Ensure the work area is clean, well-lit, and free of clutter. Keep bystanders and children away. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Ensure the power supply matches the voltage specified on the tool. Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Tool Handling:** Always maintain a firm grip on the tool. Use the auxiliary handle for maximum control. Ensure the workpiece is securely clamped. Avoid accidental starting; ensure the switch is in the off-position before plugging in.
- **Accessory Safety:** Only use accessories that are rated for the speed of the grinder and are correctly sized. Ensure discs are properly mounted and secured before operation. Inspect discs for damage before each use.
- **Kickback Prevention:** Be aware of potential kickback. The Metabo S-Automatic mechanical safety slip clutch is designed to reduce the likelihood of kickback, but proper technique and awareness are still crucial.

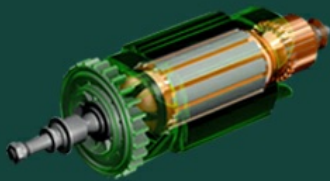
### 3. PRODUCT FEATURES

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The Metabo W 11-125 Quick Angle Grinder incorporates several advanced features for enhanced performance and user safety:

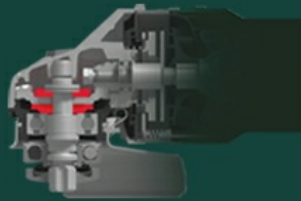
- **Metabo LongLife Motor:** Engineered for extended service life and increased power, featuring patented dust protection, up to 20% higher overload capacity, and 50% more torque for faster material removal.
- **Metabo S-Automatic Mechanical Safety Slip Clutch:** Reduces the risk of kickback by disengaging the drive if the accessory jams, allowing the user to maintain control.
- **Patented M-Quick System:** Enables the fastest tool-free disc change with a large spindle lock button, maximizing productivity.
- **Tool-Free Adjustable Guard:** A burst-proof guard that can be adjusted without tools for convenience and safety during various applications.
- **Auto-Stop Carbon Brushes:** Protects the motor from damage by automatically stopping the tool when brushes are worn.
- **Ergonomic Design:** Features the smallest handle circumference in its class and a rubberized side handle with a 15-degree offset for optimal handling, reduced fatigue, and improved ergonomics.
- **Die-Cast Aluminum Gear Housing:** Designed for efficient heat dissipation, with oversized bearings and heavy-duty gearing. It is also rotatable in 90° steps for left-handed operation or specific cutting positions.

# The ultimate angle grinder



## **LongLife Motor**

Up to 50% more torque for quicker material removal, up to 20% higher overload capacity.



## **Metabo S-automatic**

Safety slip clutch helps the user to maintain control if the accessory jams.



## **Patented M-Quick System**

Maximized productivity with fastest tool-free wheel change.

Figure 2: Key features of the Metabo Angle Grinder, including the LongLife Motor, S-Automatic Safety Slip Clutch, and M-Quick System.

## 4. INCLUDED COMPONENTS

Your Metabo W 11-125 Quick Angle Grinder package includes the following components:

- Metabo Angle Grinder (Model 603623420)
- Guard (Tool-free adjustable, burst-proof)
- Inner support flange
- M-Quick flange nut
- Side handle

## 5. SETUP AND ASSEMBLY

### 5.1 Attaching the Side Handle

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

### 5.2 Adjusting the Guard

The guard is tool-free adjustable. Loosen the locking lever, position the guard to provide maximum protection for your application, and then securely tighten the lever. Always ensure the guard is correctly positioned to deflect sparks and debris away from the user.

### 5.3 Changing Grinding/Cutting Discs (M-Quick System)

1. Ensure the grinder is unplugged from the power source.
2. Press and hold the large red spindle lock button located on the gear housing.
3. Rotate the disc by hand until the spindle lock engages and the disc stops rotating.

4. Unscrew the M-Quick flange nut by hand in a counter-clockwise direction.
5. Remove the old disc and place the new disc onto the inner support flange, ensuring it is centered.
6. Screw the M-Quick flange nut back on by hand in a clockwise direction until it is finger-tight. The M-Quick system ensures secure clamping without the need for a spanner.



Figure 3: Demonstrating the tool-free disc change using the M-Quick system.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Powering On/Off (Slide Switch)

- **To Turn On:** Push the slide switch forward until it locks into the ON position.
- **To Turn Off:** Push the rear part of the slide switch down to release it, and it will return to the OFF position.

### 6.2 Grinding and Cutting Techniques

Always allow the grinder to reach full speed before making contact with the workpiece. Apply moderate pressure;



excessive force can overload the motor and reduce disc life. Maintain a consistent angle for optimal material removal and finish.

- **Grinding:** Use the edge of the grinding disc at an angle of approximately 15-30 degrees to the workpiece. Move the grinder smoothly across the surface.
- **Cutting:** Use a thin cutting disc. Hold the grinder perpendicular to the workpiece (90-degree angle). Make straight, controlled cuts. Avoid twisting or bending the disc during cutting.



Figure 4: Proper technique for grinding, showing sparks being safely directed.

## 7. MAINTENANCE

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

- **Cleaning:** Regularly clean the ventilation slots to prevent dust buildup, which can lead to overheating. Use a soft brush or compressed air. Do not use water or solvents.

- **Carbon Brushes:** The tool is equipped with auto-stop carbon brushes. When the brushes are worn, the tool will automatically stop. Replace both carbon brushes simultaneously with genuine Metabo replacement parts. Refer to a qualified service technician for brush replacement if unsure.
- **Cord Inspection:** Periodically inspect the power cord for damage. Do not use the tool if the cord is damaged.
- **General Inspection:** Check all screws and fasteners for tightness. Ensure the guard and side handle are securely attached.

## 8. TROUBLESHOOTING

| Problem                      | Possible Cause   | Solution  |
|------------------------------|--|---|
| Grinder does not start.      | No power supply; Worn carbon brushes; Faulty switch.                         | Check power connection; Replace carbon brushes; Contact service center. |
| Tool stops during operation. | Overload; Worn carbon brushes; Accessory jam (S-Automatic clutch activated). | Reduce pressure; Replace carbon brushes; Clear jam and restart.         |
| Excessive vibration.         | Damaged or unbalanced disc; Loose flange nut.                                | Replace disc; Tighten flange nut.                                       |
| Motor overheating.           | Blocked ventilation slots; Continuous heavy load.                            | Clean ventilation slots; Allow tool to cool down.                       |

## 9. TECHNICAL SPECIFICATIONS

| Specification            | Value   |
|--------------------------|---|
| Brand                    | Metabo  |
| Model Number             | 603623420   |
| Style                    | Slide Switch  |
| Power Source             | Corded Electric   |
| Voltage                  | 120 Volts   |
| Wattage                  | 1100 watts  |
| Maximum Rotational Speed | 11000 RPM   |
| Item Weight              | 5 Pounds  |
| Product Dimensions       | 15.21"L x 5.07"W x 4.68"H   |
| Material                 | Aluminum  |
| Color                    | Green   |
| Special Features         | Compact   |
| Included Components      | Angle Grinder, Guard, Inner support flange, M-Quick flange nut, Side handle |

## 10. WARRANTY AND SUPPORT

### 10.1 Warranty Information

This Metabo Angle Grinder comes with a**3-Year Limited Warranty**. This warranty covers defects in material and

workmanship under normal use and service. For full details regarding warranty coverage, limitations, and claims procedures, please refer to the official Metabo warranty documentation or contact Metabo customer service.


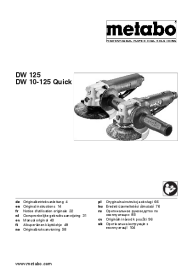

10.2 Customer Support


For technical assistance, spare parts, or warranty claims, please contact Metabo customer support. You can find contact information on the official Metabo website or through your authorized dealer.

Visit the official Metabo Store for more information:[Metabo Store on Amazon](#)





Related Documents

|   |   |
|---|---|
|   | <p><a href="#">Metabo Dust Extraction Systems and Concrete/Masonry Tools</a></p> <p>Explore Metabo's comprehensive range of dust extraction systems and power tools designed for efficient and safe concrete and masonry cutting, grinding, and drilling. Featuring H-class vacuums, angle grinders, rotary hammers, and chipping hammers, Metabo provides solutions for dust-free construction sites and improved health protection.</p> |
|  | <p><a href="#">Metabo DW 125 &amp; DW 10-125 Quick Air Angle Grinder Operating Instructions</a></p> <p>Comprehensive operating instructions and safety guide for Metabo DW 125 and DW 10-125 Quick compressed air angle grinders. Covers specifications, usage, maintenance, and safety precautions.</p>  |
|  | <p><a href="#">Metabo Angle Grinder Manual - W, WP, WEV, WQ, WEQ Series</a></p> <p>Comprehensive operating instructions and technical specifications for Metabo angle grinders, including models W 750, W 850, W 1100, WP 850, WP 1100, WEV 850, WQ 1100, and WEQ 1400. Covers safety guidelines, usage instructions, maintenance, and troubleshooting.</p>   |



W 850-100  
W 850-115  
W 850-125  
WP 850-115  
WP 850-125  
WEV 850-125

W 1100-115  
W 1100-125  
WQ 1100-115  
WQ 1100-125  
WEQ 1400-125





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## Metabo Winkelschleifer: Bedienungsanleitung

Detaillierte Bedienungsanleitung und wesentliche Sicherheitshinweise für Metabo Winkelschleifer, einschließlich der Modelle W 850-100, W 850-115, W 850-125, WP 850-115, WP 850-125, WEV 850-125, W 1100-115, W 1100-125, WP 1100-115, WQ 1100-125 und WEQ 1400-125.

## Documents - Metabo – 603623420



**W 11-125 Quick (603623420) Angle Grinder**  
Cardboard box  
Order no. 603623420  
EAN 4061792176294


- Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics
- Longer service life, more drive: the Metabo LongLife Motor with patented dust guard, up to 20% more high overload capacity and 20% more torque
- Quick disc change at the push of a button without tools, with the Metabo M-Quick System
- Tool-free adjustable guard, twist-proof
- Metabo 3-automatic: Trigger-Locking Clutch: minimises kick back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Gear housing can be encircled, rotated in 90° steps for left-handed operation or cutting
- Auto-stop carbon brushes to protect the motor
- Suitable for 120 Volt direct current (DC)

### [pdf] Datasheet



INTERNET DATA SHEET for item number 603623420 Metabo W 11 125 Quick 4 5 Angle Grinder w Lock On Baker s Gas Welding Supplies Inc Englisch US v 1667308330 cdn shopify files 1 0252 1176 4789 |||

W 11-125 Quick **603623420** Angle Grinder Cardboard box Order no. **603623420** EAN 4061792176294 Representative picture Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics Longer service life, more drive: the Metabo LongLife Motor wit...

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**W 11-125 Quick (603623420) Angle grinder**  
Cardboard box  
Order no. 603623420  
EAN 4061792176294

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### [pdf] Specifications Datasheet


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**W 11-125 Quick (603623420) Angle Grinder**  
(110-120 V / AC/DC 0/50/60 Hz) Cardboard box  
Order no. 603623420  
EAN 4061792176294




- Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics
- Longer service life, more power: the Metabo LongLife Motor with patented dust protection, up to 20% more high overload capacity and 20% more torque
- Quick disc change at the push of a button without tools, with the Metabo M-Quick System
- Tool-free adjustable guard, twist-proof
- Metabo 3-automatic: mechanical safety clutch: minimises kick back to the lowest level when the disc jams unexpectedly - for maximum user safety and swift progress
- Gear housing can be encircled, rotated in 90° steps and re-mounted for left-handed operation or cutting
- Auto-stop carbon brushes to protect the motor
- Suitable for 120 Volt direct current (DC)

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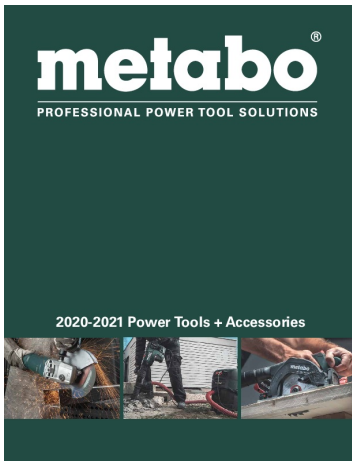
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W 11-125 Quick **603623420** Angle Grinder 110-120 V / AC/DC 0/50/60 Hz ; Cardboard box Order no. **603623420** EAN 4061792176294 Product may differ from Image Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics Longer service life, mo...

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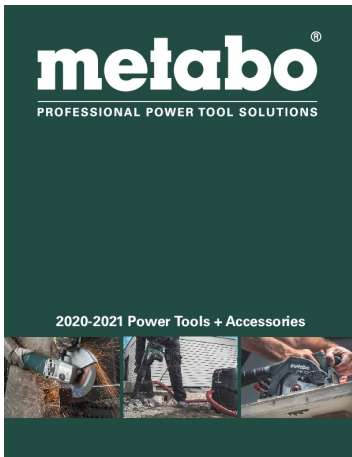


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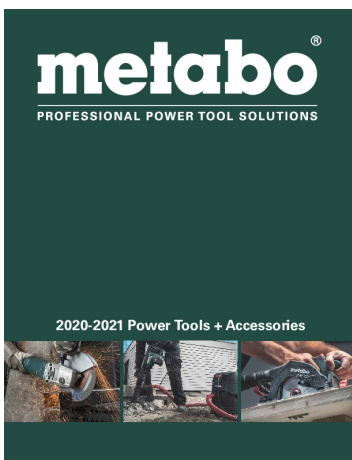


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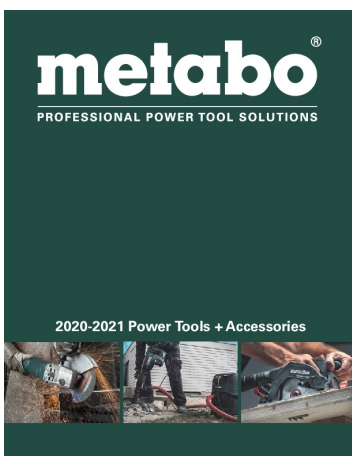


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