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› Metabo /

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Metabo 601096420

Metabo WEPB 19-180 RT DS Power Grinder User Manual

Model: 601096420 | Brand: Metabo

1. PRODUCT OVERVIEW

The Metabo WEPB 19-180 RT DS is an extremely powerful angle grinder designed for professional use. It features a compact and comfortable rat tail design, making it suitable for various grinding applications. This tool incorporates advanced electronic features for enhanced performance and safety.

Key Features:

- **Power:** 15.0 amp motor with 1,750 input watts, delivering 8,500 revolutions per minute (RPM).
- **Design:** Rat tail design for comfortable handling during extended use.
- **Safety:** Equipped with a 2-second fast brake, S-Automatic mechanical safety clutch, and a non-locking paddle switch for immediate power cut-off upon release.
- **Durability:** Features anti-vibration technology and a new carbon brush system designed for 2x longer lifetime.
- **Electronics:** Integrated electronics control soft start, speed stabilization, and provide overload protection.
- **Tether Point:** Includes a drop secure tether point for added safety when working at heights.

2. SAFETY INFORMATION

Always read and understand 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.

General Safety Guidelines:

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, gloves, and a dust mask.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- **Proposition 65 Warning:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3. COMPONENTS AND ASSEMBLY

The Metabo WEPB 19-180 RT DS Power Grinder comes with the following components:

- Angle Grinder Unit
- Inner Flange
- Locking Nut
- Side Handle
- Tool (Wrench for disc changes)

Product Views:



Figure 1: Metabo WEPB 19-180 RT DS Power Grinder with a grinding disc and side handle attached.



Figure 2: Metabo WEPB 19-180 RT DS Power Grinder showing the protective guard and a cutting disc.

4. SETUP

4.1 Attaching the Side Handle

1. Identify the threaded holes on the gear housing of the grinder.
2. Screw the side handle firmly into one of the threaded holes. The handle can be positioned on either side for left

or right-handed operation.

4.2 Mounting the Grinding/Cutting Disc

1. Ensure the tool is unplugged from the power source.
2. Press and hold the spindle lock button to prevent the spindle from rotating.
3. Place the inner flange onto the spindle, ensuring it sits flush.
4. Position the desired grinding or cutting disc onto the inner flange. Ensure the disc is correctly oriented according to its markings.
5. Thread the locking nut onto the spindle and tighten it firmly using the provided tool (spanner wrench).
6. Release the spindle lock.

4.3 Adjusting the Protective Guard

The protective guard should always be adjusted to ensure maximum safety, directing sparks away from the user and protecting against disc fragments.

1. Loosen the guard's clamping lever or screw.
2. Rotate the guard to the desired position, ensuring it covers the maximum possible area of the disc not in contact with the workpiece.
3. Tighten the clamping lever or screw securely.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

This grinder features a non-locking paddle switch for immediate control.

- **To Turn On:** Grip the tool firmly and depress the paddle switch. The soft start feature will ensure a smooth ramp-up to full speed.
- **To Turn Off:** Release the paddle switch. The 2-second fast brake will quickly stop the disc rotation.

5.2 Grinding and Cutting Techniques

Always ensure the workpiece is securely clamped. Allow the tool to reach full speed before making contact with the workpiece. Apply steady, even pressure. Do not apply excessive force, as the tool's electronics provide overload protection.

For visual guidance on the performance and safety features of the Metabo WEPB 19-180 RT DS Angle Grinder, please watch the official product video below:

Your browser does not support the video tag.

Video: Official demonstration of the Metabo WEPB 19-180 RT DS Angle Grinder's features, including fast brake and safety clutch.
(Duration: 1 minute 23 seconds)

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Metabo WEPB 19-180 RT DS Power Grinder. Always unplug the tool before performing any maintenance.

- **Cleaning:** Regularly clean the ventilation openings to prevent dust and debris buildup, which can cause overheating. Use a soft brush or compressed air.
- **Disc Inspection:** Before each use, inspect the grinding/cutting disc for cracks, chips, or excessive wear. Replace damaged discs immediately.
- **Carbon Brushes:** This model features a new carbon brush system designed for extended life. However, if you notice reduced power or excessive sparking, have the carbon brushes inspected and replaced by a qualified

service technician.

- **Cord Inspection:** Check the power cord for any signs of damage, cuts, or fraying. Do not use the tool if the cord is damaged.
- **General Check:** Periodically check all screws and fasteners for tightness. Tighten as necessary.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Tool does not start	No power supply; Damaged power cord; Overload protection activated	Check power outlet and connections; Inspect power cord for damage; Unplug tool, wait a few minutes, then try again.
Reduced power or excessive sparking	Worn carbon brushes; Overload	Have carbon brushes inspected/replaced by service; Reduce pressure on workpiece.
Disc not spinning freely or making unusual noise	Disc improperly mounted; Damaged disc; Debris in guard	Re-mount disc correctly; Replace damaged disc; Clean protective guard.
Tool overheats	Blocked ventilation openings; Continuous heavy use	Clean ventilation openings; Allow tool to cool down; Reduce load.

8. SPECIFICATIONS

Specification	Value
Brand	Metabo
Model Number	601096420
Style	Professional
Power Source	Corded Electric
Item Weight	6.4 Pounds
Voltage	116.67 Volts
Wattage	1750 watts
Maximum Rotational Speed	8500 RPM
Product Dimensions	17.5 x 4 x 4 inches
Country of Origin	Germany
Item Package Quantity	1
Included Components	Inner flange, locking nut, side handle, Tool
Batteries Required?	No

9. WARRANTY AND SUPPORT

The Metabo WEPB 19-180 RT DS Power Grinder comes with a **3-year limited warranty**. Please retain your proof of purchase for warranty claims.

For technical support, service, or warranty inquiries, please contact Metabo customer service or visit their official website. Contact information can typically be found in the packaging or on the manufacturer's website.

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