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Milwaukee 2880-20

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MODEL: 2880-20

Product Overview

The Milwaukee 2880-20 M18 FUEL Cordless Small Angle Grinder is a high-performance tool designed for grinding, cutting, and surface preparation tasks. It features a brushless motor for extended tool life and efficiency, and operates on the Milwaukee M18 battery system.



Image: The Milwaukee 2880-20 M18 FUEL Cordless Small Angle Grinder, showing its red and black housing, side handle, and grinding wheel guard.

Key Features:

- **Electronic Clutch:** Provides kickback protection for enhanced user safety.
- **Overload Protection:** Maximizes motor life by preventing damage from excessive load.
- **Anti-Vibration Side Handle:** Increases user comfort and control during operation.
- **M18 Battery Compatibility:** Works with all Milwaukee M18 series batteries.
- **5/8"-11 Spindle:** Compatible with common grinding accessories.

General Safety Rules

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.

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.
- Keep children and bystanders away while operating a power tool.

Electrical Safety:

- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators.
- 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 eye protection. Use safety glasses, goggles, or a face shield.
- Wear hearing protection when operating the tool for extended periods.
- Dress properly. Do not wear loose clothing or jewelry. Keep hair and clothing away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.

Setup

Battery Installation:

1. Ensure the tool is switched off.
2. Align the battery pack with the battery port on the tool.
3. Slide the battery pack into the tool until it clicks securely into place.
4. To remove, press the release button on the battery pack and slide it out.

Accessory Installation (Grinding Wheel/Guard):

1. **Safety First:** Disconnect the battery pack before changing accessories.
2. **Adjusting the Guard:** Loosen the guard clamp screw, position the guard to protect against sparks and debris, then tighten the screw securely.
3. **Mounting the Grinding Wheel:**
 - Place the inner flange onto the spindle.
 - Position the grinding wheel onto the inner flange, ensuring it sits flat.
 - Thread the outer flange onto the spindle and tighten it using the spanner wrench while holding the spindle lock button.
4. **Attaching the Side Handle:** Screw the anti-vibration side handle into one of the threaded holes on the gear housing. Ensure it is tightened firmly.

Operating Instructions

Starting and Stopping:

- **To Start:** Grip the tool firmly. Depress the paddle switch. The tool will begin to operate.
- **To Stop:** Release the paddle switch. The tool will stop.

Grinding and Cutting Techniques:

- Always secure the workpiece before grinding or cutting.
- Allow the tool to reach full speed before making contact with the workpiece.
- Apply light, consistent pressure. Do not force the tool, as this can lead to overheating and reduced performance.
- Maintain a stable stance and firm grip on the tool with both hands.
- For grinding, use an angle of approximately 15-30 degrees between the wheel and the workpiece.
- For cutting, ensure the cutting disc is perpendicular to the workpiece.

Important: Be aware of sparks and debris. Ensure proper ventilation and clear the work area of flammable materials.

Maintenance

Cleaning:

- Regularly clean the ventilation slots on the tool to prevent overheating. Use a soft brush or compressed air.
- Wipe down the tool's exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

Accessory Replacement:

- Replace grinding wheels and cutting discs when they become worn, chipped, or damaged.
- Always use accessories rated for the maximum RPM of the grinder.

Battery Care:

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Charge batteries using only Milwaukee M18 chargers.
- Do not store batteries in a discharged state for extended periods.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not inserted correctly or discharged.	Ensure battery is fully seated. Charge battery if necessary.
Reduced power or stalls.	Overload protection activated; battery low; worn accessory.	Reduce pressure. Charge battery. Replace accessory.
Excessive vibration.	Damaged or improperly mounted accessory; loose guard/handle.	Inspect and replace accessory. Ensure all components are tightened.
Tool overheats.	Blocked ventilation slots; continuous heavy use.	Clean ventilation slots. Allow tool to cool down.

Specifications

Attribute	Value
Brand	Milwaukee
Model Number	2880-20
Power Source	Battery Powered (M18)
Voltage	18 Volts
Wattage	800 watts
Maximum Rotational Speed	8500 RPM
Spindle Size	5/8"-11
Item Weight	5.25 Pounds
Product Dimensions	13"L x 8.5"W x 3.5"H

Attribute	Value
Material	Metal

Warranty and Support

This Milwaukee 2880-20 M18 FUEL Cordless Small Angle Grinder is covered by a Manufacturer Warranty. For specific details regarding the warranty period and terms, please refer to the documentation included with your purchase or visit the official Milwaukee website.

For technical support, service, or warranty claims, please contact Milwaukee customer service directly. You can typically find contact information on the Milwaukee website or in the product packaging.

Note: Protection plans offered by third-party retailers are separate from the manufacturer's warranty.