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› Milwaukee 0299-20 Magnum 8 Amp 1/2-Inch Drill User Manual

## Milwaukee 0299-20

# Milwaukee 0299-20 Magnum 8 Amp 1/2-Inch Drill User Manual

Model: 0299-20 | Brand: Milwaukee

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective operation, setup, and maintenance of your Milwaukee 0299-20 Magnum 8 Amp 1/2-Inch Drill. This heavy-duty electric drill is designed for demanding tasks, featuring an 8.0 amp motor, a 1/2-inch keyed chuck, and variable speed control. Please read this manual thoroughly before use.



Figure 1: The Milwaukee 0299-20 Magnum 8 Amp 1/2-Inch Drill. This image displays the drill's robust red and grey housing, the prominent Milwaukee logo, the 1/2-inch keyed chuck, and the ergonomic pistol grip. The power cord extends from the base of the handle.

## 2. SETUP

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Before operating the drill, ensure proper setup of the chuck and side handle.

### 2.1 Chuck Installation and Bit Insertion

The Milwaukee 0299-20 features a heavy-duty keyed chuck for secure bit retention.

1. **Open Chuck Jaws:** Insert the chuck key (included) into one of the holes on the side of the chuck. Rotate the key counter-clockwise to open the chuck jaws wide enough to accept your desired drill bit.
2. **Insert Drill Bit:** Fully insert the shank of the drill bit into the chuck, ensuring it is centered.
3. **Tighten Chuck:** Rotate the chuck key clockwise to firmly tighten the chuck jaws around the drill bit. For maximum grip, tighten the chuck using all three key holes sequentially. This ensures even pressure and prevents bit slippage during operation.
4. **Remove Chuck Key:** Always remove the chuck key from the chuck before starting the drill. The drill comes with a flexible key holder (part number 48-66-4045) to keep the chuck key accessible and prevent it from being lost.

### 2.2 Side Handle Installation

The drill includes a 360-degree locking side handle (part number 49-15-0265) for improved control and safety, especially during high-torque applications.

1. **Position Handle:** Slide the side handle onto the front collar of the drill.
2. **Adjust Angle:** Rotate the handle to your preferred operating angle.
3. **Lock Handle:** Tighten the handle securely by twisting its base until it is firmly locked in position.

## 3. OPERATING INSTRUCTIONS

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### 3.1 Power and Speed Control

The Milwaukee 0299-20 drill is equipped with an 8.0 amp motor and variable speed control (0 to 850 RPM) for optimal performance across various materials.

- **Starting the Drill:** Plug the 8-foot, 3-wire rubber cord into a compatible 120VAC power outlet. Press the trigger switch to start the drill.
- **Variable Speed:** The drill features a variable speed trigger. Apply more pressure to the trigger for increased speed, and less pressure for slower speeds. This allows for precise control, especially when starting a hole or working with delicate materials.
- **Continuous Operation:** For continuous operation, depress the trigger fully and then press the lock-on button (if available on your model, typically located on the side of the trigger). To release, depress the trigger again.

### 3.2 Forward/Reverse Operation

The drill includes a reversible function for driving and removing fasteners, or for backing out a stuck drill bit.

- **Changing Direction:** Locate the forward/reverse switch, typically positioned near the trigger. Push the switch to the left for forward rotation (clockwise) and to the right for reverse rotation (counter-clockwise).
- **Safety Note:** Always ensure the drill has come to a complete stop before changing the direction of rotation to prevent damage to the tool.

## 4. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your Milwaukee drill. Always unplug the tool before performing any maintenance.

- **Cleaning:** Keep the tool's ventilation openings clean and free of debris to prevent overheating. Use a soft, damp cloth for cleaning. Do not use flammable or combustible solvents.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, cuts, or fraying. Replace damaged cords immediately by a qualified service technician.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure smooth operation and proper bit gripping. A light application of machine oil can help keep the chuck moving freely.
- **Storage:** Store the drill in a dry, secure location, out of reach of children and away from direct sunlight or extreme temperatures.

## 5. TROUBLESHOOTING

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If you encounter issues with your drill, refer to the following common troubleshooting steps. For problems not listed here, contact Milwaukee customer service.

- **Drill Does Not Start:**

- Ensure the power cord is securely plugged into a working 120VAC outlet.
- Check the circuit breaker or fuse for the outlet.
- Verify the trigger switch is fully depressed.

- **Bit Slippage in Chuck:**

- Ensure the chuck jaws are tightened securely using the chuck key, applying pressure to all three holes.
- Check if the drill bit shank is clean and free of oil or debris.
- Inspect the chuck jaws for wear or damage.

- **Overheating:**

- Ensure ventilation openings are clear.
- Avoid continuous heavy-duty use without breaks.
- Do not apply excessive pressure during drilling.

## 6. SPECIFICATIONS

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Feature	Detail
Brand	Milwaukee
Model Number	0299-20
Power Source	Corded Electric
Amperage	8 Amps
Voltage	120VAC
Chuck Size	1/2 Inch (13 mm)
Chuck Type	Keyed
No Load RPM	0 to 850 RPM
Speed Type	Variable
Reversible	Yes
Tool Length	12-1/4 Inches
Tool Weight	5.4 lbs (4.99 pounds listed in specs)
Cord Length	8 ft (3-Conductor)
Gear Train	Double
Included Components	Chuck Key with Holder, Side Handle
Color	Red/Black
Manufacturer	Milwaukee
Country of Manufacture	China

## 7. WARRANTY AND SUPPORT

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This Milwaukee 0299-20 Magnum 8 Amp 1/2-Inch Drill is covered by a Manufacturer Warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the warranty documentation included with your product or visit the official Milwaukee website.

For additional support, service, or to download a PDF version of the user manual, please visit the official Milwaukee support page or contact their customer service.

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