DEWALT DWE4011

DEWALT DWE4011 4-1/2-Inch Small Angle Grinder User Manual

Model: DWE4011 | Brand: DEWALT

Introduction

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your DEWALT DWE4011 4-1/2-inch Small Angle Hand Grinder. The DWE4011 features a powerful 7-amp motor for efficient material removal and a One-Touch Guard for tool-free guard adjustments. Please read this manual thoroughly before operating the tool.



Image: The DEWALT DWE4011 Angle Grinder, showing its compact design and the attached side handle.

Key Features

- **7 Amp AC/DC Motor:** Provides 12,000 RPM for fast material removal and high overload protection.
- **One-Touch Guard:** Allows for tool-free adjustment of the guard location, enhancing convenience and safety.
- **Quick-Change Wheel Release:** Enables tool-free wheel removal without the need for a wrench.
- **2-Position Removable Side Handle:** Offers increased comfort and control during operation, adaptable for left or right-handed use.
- **Slim, Ergonomic Body Design:** Designed for increased comfort during extended use.
- **5/8-inch 11 Spindle Thread:** Compatible with a wide range of 4-1/2-inch accessories.



Image: A detailed view of the DEWALT DWE4011 Angle Grinder, with labels pointing to its key features including the 2-position side handle, 7 amp motor, 12,000 RPM, Quick-Change wheel release, and One-Touch guard.

Setup

Attaching the Side Handle

The DWE4011 comes with a 2-position removable side handle for enhanced control. To attach, simply screw the handle into either the left or right side threaded opening on the grinder's gear case. Ensure it is tightened securely before operation.



Image: The DEWALT DWE4011 Angle Grinder with an arrow pointing to the 2-position removable side handle, illustrating its adjustability.

Installing/Adjusting the Guard

The One-Touch Guard allows for quick, tool-free adjustments. To adjust the guard, depress the small lever located near the guard and rotate the guard to the desired position. Release the lever to lock the guard in place. Ensure the guard is positioned to deflect sparks and debris away from the operator.



Image: The DEWALT DWE4011 Angle Grinder with an arrow pointing to the One-Touch Guard, emphasizing its easy adjustment mechanism.

Attaching/Removing Grinding Wheels

The Quick-Change wheel release system allows for tool-free wheel changes. To attach a wheel, align it with the spindle and secure it using the quick-change mechanism. To remove, activate the quick-change release and detach the wheel. Always ensure the correct type and size of wheel (4-1/2-inch) is used for the application and that it is securely fastened.



Image: The DEWALT DWE4011 Angle Grinder shown with its included components: a 4-1/2 inch small angle grinder with One-Touch guard, a 2-position side handle, a depressed center wheel, and a hex wrench.

Operating Instructions

Before operating, ensure all safety precautions are followed, including wearing appropriate personal protective equipment (PPE) such as safety glasses, gloves, and hearing protection. Verify the power source matches the tool's requirements (120 Volts AC/DC).

1. **Power Connection:** Plug the grinder into a suitable power outlet.
2. **Grip:** Hold the grinder firmly with both hands, one on the main body and the other on the side handle.
3. **Starting the Tool:** Locate the power switch and slide it to the "ON" position. The grinder will immediately reach its full speed of 12,000 RPM.
4. **Application:** Apply the rotating wheel to the workpiece with steady, controlled pressure. Allow the tool to do the work; do not force it.
5. **Stopping the Tool:** Slide the power switch to the "OFF" position. Wait for the wheel to come to a complete stop before setting the tool down.

Note: This grinder operates at a single speed (12,000 RPM) and does not feature variable speed control.

Maintenance

Regular maintenance ensures the longevity and safe operation of your DEWALT DWE4011 Angle Grinder.

- **Cleaning:** Keep the tool's ventilation openings clean and free of dust and debris to prevent overheating. Use a soft brush or compressed air.
- **Cord Inspection:** Regularly inspect the power cord for any damage, cuts, or fraying. Replace immediately if damaged.
- **Brush Inspection:** Periodically check the carbon brushes for wear. Replace both brushes when either is worn down to approximately 1/4 inch (6.35 mm). Refer to a qualified service technician for brush replacement if unsure.
- **Accessory Storage:** Store grinding wheels and other accessories in a dry, safe place to prevent damage.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	No power supply; damaged cord; faulty switch; worn carbon brushes.	Check power outlet and cord. Inspect switch. Replace carbon brushes if worn.
Excessive vibration.	Damaged or improperly mounted grinding wheel; loose side handle.	Inspect and replace damaged wheel. Ensure wheel is properly mounted. Tighten side handle.
Overheating.	Blocked ventilation openings; continuous heavy use.	Clean ventilation openings. Allow tool to cool down during prolonged use.

Specifications

Brand: DEWALT

Model: DWE4011

Power Source: Corded Electric

Voltage: 120 Volts

Wattage: 850 watts

Amperage: 7 Amps

Maximum Rotational Speed: 12,000 RPM

Item Weight: 3.9 Pounds

Product Dimensions: 4.6 x 15.4 x 6.1 inches

Spindle Thread: 5/8-inch 11

Included Components: (1) Depressed Center Wheel, (1) One-Touch Guard, (1) Hex Wrench, (1) 2-Position Side Handle

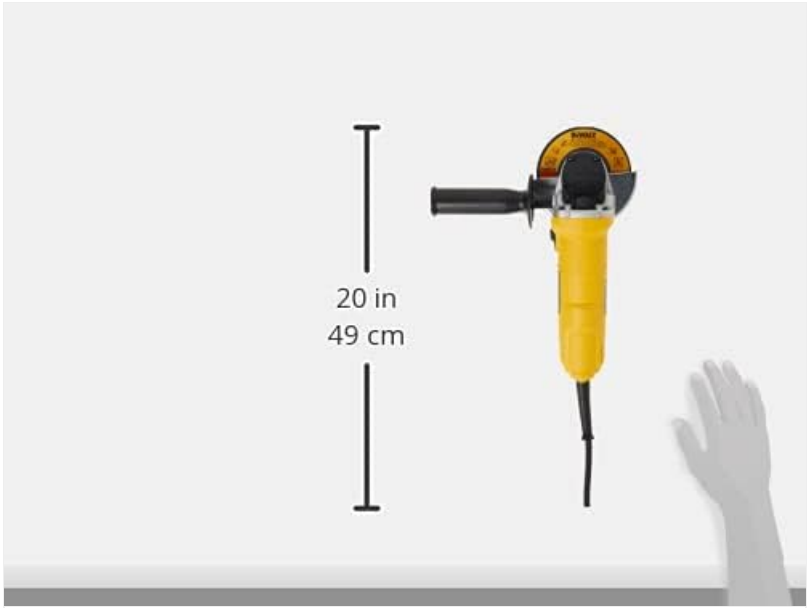


Image: A diagram illustrating the dimensions of the DEWALT DWE4011 Angle Grinder, showing its length of approximately 20 inches (49 cm).

Warranty Information

DEWALT offers a comprehensive warranty for the DWE4011 Angle Grinder:

- **3-Year Limited Warranty:** Covers defects in material or workmanship.
- **1-Year Free Service:** DEWALT will maintain the tool and replace worn parts caused by normal use, for free, any time during the first year after purchase.
- **90-Day Money Back Guarantee:** If you are not completely satisfied with the performance of your DEWALT Power Tool, Laser, or Nailer for any reason, you can return it within 90 days from the date of purchase for a full refund.



Image: A graphic detailing DEWALT's warranty policy, including the 3-year limited warranty, 1-year free service, and 90-day money-back guarantee.

Support and Additional Resources

For further assistance or detailed information, please refer to the official user manual PDF or contact DEWALT customer support.

- **Official User Manual (PDF):** Download PDF
- **DEWALT Official Website:** Visit DEWALT Store

© 2025 DEWALT. All rights reserved.