DEWALT DW756

DEWALT DW756 8-inch Bench Grinder User Manual

1. Introduction

The DEWALT DW756 8-inch Bench Grinder is a robust and versatile power tool designed for various grinding, sharpening, and cleaning tasks. It features two grinding wheels, protective eye shields, and adjustable tool rests to provide precision and safety during operation. This manual provides essential information for the safe and effective setup, operation, and maintenance of your bench grinder.

2. Important Safety Instructions

Always observe basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions before operating this product.

- **Eye Protection:** Always wear ANSI Z87.1 compliant safety glasses or goggles with side shields when operating the grinder.
- **Work Area:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Do not abuse the cord. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Dress properly. Do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Guards:** Ensure all guards, including wheel guards and eye shields, are in place and properly adjusted before operation.
- **Stable Mounting:** Securely mount the bench grinder to a workbench or stable surface to prevent movement during operation.
- **Proper Use:** Use the correct grinding wheel for the material and task. Do not force the tool.
- **Maintenance:** Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.

3. Components Overview

Familiarize yourself with the main components of your DEWALT DW756 Bench Grinder:

- **Grinding Wheels:** Two abrasive wheels for grinding and sharpening.
- **Eye Shields:** Transparent shields positioned above the grinding wheels to protect the operator's eyes from sparks and debris.
- **Tool Rests:** Adjustable platforms in front of the grinding wheels to support the workpiece.
- **Power Switch:** Located on the front base of the grinder for turning the unit ON/OFF.
- **Wheel Guards:** Enclosures around the grinding wheels for protection.



Image: The DEWALT DW756 8-inch Bench Grinder, showcasing its yellow housing, two grinding wheels, clear eye shields, and adjustable tool rests. The power switch is visible on the front base.

4. Setup

Proper setup is crucial for safe and efficient operation.

1. **Unpacking:** Carefully remove the grinder and all accessories from the packaging. Inspect for any damage.
2. **Mounting:** Securely bolt the grinder to a sturdy workbench using the mounting holes in the base. Ensure it is stable and does not wobble.
3. **Attaching Eye Shields:** Install the clear eye shields onto their respective brackets above each grinding wheel. Adjust them so they provide maximum protection without obstructing your view of the workpiece.
4. **Adjusting Tool Rests:** Position the tool rests approximately 1/16 inch (1.6 mm) from the grinding wheel surface. Ensure they are level with the center of the wheel or slightly below. Tighten securely.
5. **Power Connection:** Ensure the power switch is in the 'OFF' position before plugging the grinder into a grounded electrical outlet.

5. Operating Instructions

Follow these steps for safe and effective operation of your bench grinder.

1. **Preparation:** Ensure all safety guards are in place and adjusted. Wear appropriate personal protective equipment, including safety glasses.
2. **Starting the Grinder:** Flip the power switch to the 'ON' position. Allow the grinder to reach full operating speed before beginning work.
3. **Grinding Technique:** Hold the workpiece firmly against the tool rest. Apply light, even pressure to the grinding wheel. Move the workpiece slowly and consistently across the wheel to prevent overheating and uneven wear.
4. **Cooling:** For prolonged grinding, periodically cool the workpiece in water to prevent overheating and damage to the material or the tool.
5. **Stopping the Grinder:** When finished, flip the power switch to the 'OFF' position. Wait for the wheels to come to a complete stop before leaving the grinder unattended or performing any adjustments.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your grinder.

- **Cleaning:** Keep the grinder clean and free of dust and debris. Use a dry cloth to wipe down the exterior. Do not use solvents.
- **Wheel Dressing:** Over time, grinding wheels can become glazed or out of round. Use a wheel dresser to restore the wheel's cutting surface and shape.
- **Wheel Replacement:** Replace grinding wheels when they become worn down to 1/2 inch (12.7 mm) of their original diameter or if they are chipped, cracked, or damaged. Always use wheels rated for the grinder's maximum RPM.
- **Inspection:** Periodically inspect the power cord for damage, and ensure all nuts, bolts, and screws are tight.
- **Motor Ventilation:** Ensure the motor's ventilation openings are clear of obstructions to prevent overheating.

7. Troubleshooting

Common issues and their potential solutions:

Problem	Possible Cause	Solution
Grinder does not start	No power; Faulty switch; Motor overload	Check power outlet/circuit breaker; Contact service center; Allow motor to cool
Excessive vibration	Loose mounting; Unbalanced wheel; Damaged wheel	Tighten mounting bolts; Dress or replace wheel; Replace damaged wheel
Poor grinding performance	Glazed wheel; Incorrect wheel type; Worn wheel	Dress wheel; Use appropriate wheel for material; Replace worn wheel
Overheating motor	Blocked ventilation; Excessive load	Clear vents; Reduce pressure on workpiece; Allow motor to cool

8. Specifications

Feature	Detail
Brand	DEWALT
Model Number	DW756
Type	Bench Grinder
Wheel Diameter	8 inches (192 mm)
No-Load Speed	3600 RPM
Amperage	3.4 Amps
Voltage	120V AC
Frequency	60 Hz
Power Source	Corded Electric
Material	Metal
Color	Yellow
Item Weight	4.18 Kilograms (approx. 9.22 lbs)
Product Dimensions	62 x 41.5 x 16.99 cm
Batteries Required	No
Included Components	Bench Grinder, Tool Rests, Eye Shields

9. Warranty and Support

DEWALT products are engineered to the highest standards and are subject to rigorous testing. For detailed warranty information, please refer to the warranty card included with your product or visit the official DEWALT website. For technical support, replacement parts, or service inquiries, please contact DEWALT customer service through their official channels.

You can find more information and support resources on the official DEWALT website: www.dewalt.com