

DWT WS10-125 CTN

DWT WS10-125 CTN Corded Electric Angle Grinder User Manual

Model: WS10-125 CTN

1. GENERAL SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating this power tool. Read all instructions carefully before use.

- **Work Area Safety:** Keep the 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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug. 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 hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Kickback and Related Warnings:** Kickback is a sudden reaction to a pinched or snagged rotating wheel. Always maintain a firm grip on the tool and position your body and arm to allow you to resist kickback forces.

2. PRODUCT OVERVIEW

The DWT WS10-125 CTN is a corded electric angle grinder designed for various cutting, grinding, and polishing tasks. Familiarize yourself with its components before operation.



This image displays the DWT WS10-125 CTN Corded Electric Angle Grinder. It features a green main body, a silver gear housing, a black side handle, and a grinding disc attached. The power cord extends from the rear of the tool, and the power switch is visible on the top of the handle.

Key Components:

- **Main Handle:** Provides grip and control during operation.
- **Side Handle:** Offers additional stability and control, can be mounted on either side.
- **Spindle Lock Button:** Used to lock the spindle for easy accessory changes.
- **On/Off Switch:** Activates and deactivates the tool.
- **Wheel Guard:** Protects the user from sparks and debris.
- **Grinding Disc/Wheel:** The abrasive accessory used for material removal.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	DWT WS10-125 CTN
Type	Angle Grinder
Power Source	Corded Electric
Brand	DWT
Item Weight	2.88 Kilograms
Package Dimensions	41.9 x 15.1 x 12.8 cm

Feature	Specification
Color	Green
Style	Angled
Item Package Quantity	1
Batteries Required?	No

4. SETUP AND ASSEMBLY

Before connecting the tool to a power source, ensure all components are correctly assembled.

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 the left or right side for optimal comfort and control.

4.2 Installing the Wheel Guard

1. Loosen the screw or lever on the wheel guard.
2. Position the guard over the spindle, ensuring it covers the grinding disc adequately and protects the user.
3. Tighten the screw or lever to secure the guard in place. Ensure it cannot rotate freely.

4.3 Mounting the Grinding Disc

1. Press and hold the spindle lock button to prevent the spindle from rotating.
2. Place the inner flange onto the spindle.
3. Position the grinding disc onto the spindle, ensuring it sits flush against the inner flange.
4. Screw the outer flange (or locking nut) onto the spindle.
5. Use the provided spanner wrench to firmly tighten the outer flange, securing the disc. Release the spindle lock button.

5. OPERATING INSTRUCTIONS

Always ensure you are wearing appropriate personal protective equipment (PPE) before operating the angle grinder.

5.1 Before Starting

- Inspect the grinding disc for any damage or cracks. Replace if necessary.

- Ensure the wheel guard is correctly positioned and secured.
- Verify the side handle is tightly fastened.
- Confirm the power cord is in good condition and the plug matches the outlet.

5.2 Starting and Stopping the Tool

1. Connect the power plug to a suitable electrical outlet.
2. To start the grinder, press the On/Off switch. Some models may require sliding a switch forward and then pressing.
3. Allow the disc to reach full speed before making contact with the workpiece.
4. To stop the grinder, release or press the Off position on the switch.
5. Wait for the disc to come to a complete stop before setting the tool down.

5.3 Grinding and Cutting Techniques

- **Grinding:** Hold the grinder at an angle of approximately 15-30 degrees to the workpiece. Apply moderate pressure and move the tool smoothly across the surface.
- **Cutting:** Use a cutting disc and hold the grinder perpendicular (90 degrees) to the workpiece. Apply light, consistent pressure, allowing the disc to do the work. Avoid twisting or bending the disc.
- Always secure the workpiece to prevent movement during operation.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your DWT angle grinder.

- **Cleaning:** After each use, clean the tool with a soft cloth. Use compressed air to clear dust from ventilation openings. Do not use water or chemical cleaners.
- **Carbon Brushes:** Periodically check the carbon brushes for wear. Worn brushes can lead to reduced performance or motor damage. Replace both brushes simultaneously if one is worn. Refer to a qualified service technician for brush replacement if unsure.
- **Power Cord:** Inspect the power cord for cuts, abrasions, or damage. Replace damaged cords immediately to prevent electric shock.
- **Storage:** Store the angle grinder in a dry, secure location out of reach of children. Ensure the tool is disconnected from the power supply before storage.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Tool does not start	No power supply Damaged power cord/plug Worn carbon brushes	Check power outlet and circuit breaker Inspect and replace if damaged Replace carbon brushes (consult technician)
Reduced power/performance	Worn carbon brushes Overheating Incorrect disc for material	Replace carbon brushes Allow tool to cool down Use appropriate disc for the task
Excessive vibration	Damaged or unbalanced disc Loose flanges Worn bearings	Replace disc Tighten flanges securely Consult a qualified service technician
Sparks excessively	Worn carbon brushes Motor overload	Replace carbon brushes Reduce pressure on the tool

8. WARRANTY AND SUPPORT

DWT products are manufactured to high-quality standards. For information regarding the standard warranty period, please refer to the warranty card included with your purchase or contact your local DWT dealer.

Extended warranty options may be available from third-party providers. Please check with your retailer for details on purchasing additional coverage.

For technical assistance, spare parts, or service, please contact DWT customer support or an authorized service center. Always provide the model number (WS10-125 CTN) and serial number (if applicable) when seeking support.