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› DongCheng Angle Grinder DSM17-100 User Manual

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DongCheng Angle Grinder DSM17-100 User Manual

Model: DSM17-100

1. INTRODUCTION

The DongCheng DSM17-100 Angle Grinder is a robust and versatile power tool designed for various cutting, grinding, and polishing tasks. It features an 1100W motor, a 100mm wheel diameter, and operates at 13000 RPM. This manual provides essential information for safe operation, proper setup, and effective maintenance to ensure optimal performance and longevity of your tool.

Dong Cheng

PROFESSIONAL POWER TOOLS



New energy-gathering motor
more efficient and higher overload resistance



Ultra-slim body
more comfortable to hold



High strength gears
more durable



Detachable dustproof net
more convenient for cleaning



Auto stop carbon brush
effectively extend the lifetime of motor

ULTRA-COMPACT AND POWERFUL

DSM17-100 Angle Grinder



Rated Power Input	1100W
Rated Speed	13000r/min
Max. Wheel Dia.	Φ100mm
Hole Dia. of Wheel	Φ16mm
Net. Weight	1.6kg

Image 1.1: Key features of the DongCheng DSM17-100 Angle Grinder, highlighting the new energy-gathering motor, ultra-slim body, high-strength gears, detachable dustproof net, and auto-stop carbon brush system.

2. SAFETY INSTRUCTIONS

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

2.1 General Power Tool Safety Warnings

- **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. Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. Always wear appropriate personal protective equipment (PPE).
- **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.

2.2 Angle Grinder Specific Safety Warnings

- Always use a safety guard that is correctly fitted and adjusted for the wheel type.
- Ensure the accessory is correctly mounted and tightened before use.
- Do not use damaged accessories. Inspect accessories before each use.
- Maintain a firm grip on the tool during operation.
- Keep hands clear of the rotating accessory.
- Never lay the power tool down until the accessory has come to a complete stop.
- Be aware of sparks and flying debris during operation.

2.3 Personal Protective Equipment (PPE)

- **Eye Protection:** Always wear safety goggles or safety glasses with side shields.
- **Hearing Protection:** Wear earplugs or earmuffs during extended use.
- **Hand Protection:** Wear heavy-duty work gloves.
- **Respiratory Protection:** Wear a dust mask, especially when grinding materials that produce fine dust.

3. PACKAGE CONTENTS

Carefully unpack the carton and check that all items are present and undamaged. If any items are missing or damaged, contact your supplier immediately.

- DongCheng DSM17-100 Angle Grinder
- Safety Guard
- Side Handle
- Wrench (for wheel changes)
- One Pair of Carbon Brushes (extra)
- Two Metal Cutting Wheels
- User Manual (this document)



Image 3.1: The DongCheng DSM17-100 Angle Grinder shown with its packaging, safety guard, wrench, and additional carbon brushes and cutting wheels.

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your angle grinder before operation.



Image 4.1: A detailed view of the DongCheng DSM17-100 Angle Grinder, showing the main body, head, spindle, and ventilation slots.

1. Spindle Lock Button
2. Spindle
3. Inner Flange
4. Outer Flange
5. Safety Guard
6. Side Handle Mount
7. On/Off Switch

8. Power Cord
9. Ventilation Slots

5. SETUP

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

5.1 Attaching the Safety Guard

1. Ensure the grinder is unplugged.
2. Loosen the screw on the safety guard.
3. Position the guard over the gear housing so that it covers the top part of the wheel, protecting you from sparks and debris.
4. Tighten the screw securely to fix the guard in place. Adjust its position as needed for your specific task, always ensuring maximum protection.

5.2 Mounting the Grinding/Cutting Wheel

1. Ensure the grinder is unplugged.
2. Place the inner flange onto the spindle.
3. Place the desired grinding or cutting wheel onto the spindle, ensuring it sits flush against the inner flange. The wheel should have a 100mm diameter and 16mm hole diameter.
4. Thread the outer flange onto the spindle.
5. Press the spindle lock button to prevent the spindle from rotating.
6. Use the provided wrench to firmly tighten the outer flange. Release the spindle lock.
7. Before starting, briefly run the tool in a safe area to check for proper wheel attachment and balance.

5.3 Attaching the Side Handle

The side handle can be screwed into either side of the gear housing, providing better control and comfort for both left and right-handed users. Always use the side handle for improved grip and safety.

6. OPERATING INSTRUCTIONS

Always follow safety guidelines and wear appropriate PPE before operating the angle grinder.

6.1 Powering On/Off

- **To Turn On:** Push the On/Off switch forward. For continuous operation, some models may have a lock-on feature.
- **To Turn Off:** Push the On/Off switch backward to the 'Off' position.

6.2 Proper Grip and Workpiece Securement

- Always hold the grinder firmly with both hands, one on the main handle and one on the side handle.
- Secure your workpiece with clamps or a vise. Never hold the workpiece by hand.

6.3 Cutting and Grinding Techniques

- Allow the tool to reach full speed before contacting the workpiece.
- Apply light, even pressure. Do not force the tool.
- For cutting, use a cutting wheel and make shallow passes, gradually deepening the cut.

- For grinding, hold the wheel at a slight angle (typically 15-30 degrees) to the workpiece surface.
- Avoid sudden impacts or twisting the wheel, which can cause kickback or wheel breakage.
- Allow the tool to cool down during extended use to prevent overheating.

7. MAINTENANCE

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

7.1 Cleaning

- Always unplug the tool before cleaning.
- Regularly clean the ventilation slots to prevent overheating. Use compressed air to blow out dust and debris.
- The DSM17-100 features a detachable dustproof net. Remove and clean this net periodically to maintain airflow and protect the motor.
- Wipe the exterior of the tool with a damp cloth. Do not use harsh chemicals or solvents.

7.2 Carbon Brush Replacement

The DSM17-100 is equipped with an auto-stop carbon brush system, which automatically stops the motor when brushes are worn, extending motor life. When the tool stops or shows reduced power, it's likely time to replace the carbon brushes.

1. Ensure the grinder is unplugged.
2. Locate the brush caps on the sides of the motor housing.
3. Unscrew the brush caps using a screwdriver or coin.
4. Carefully remove the old carbon brushes.
5. Insert the new carbon brushes (one pair is included with your tool), ensuring they are oriented correctly.
6. Screw the brush caps back on securely.
7. After replacement, run the tool without load for a few minutes to allow the new brushes to seat properly.

7.3 Cord Inspection

Regularly inspect the power cord for any signs of damage, cuts, or fraying. If the cord is damaged, have it replaced by a qualified service technician to avoid electrical hazards.

8. TROUBLESHOOTING

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

• Tool Does Not Start:

- Check if the power cord is securely plugged into a working outlet.
- Inspect the power cord for damage.
- Check the carbon brushes; they may be worn out and need replacement (auto-stop feature).
- Ensure the On/Off switch is fully engaged.

• Reduced Power or Performance:

- Carbon brushes may be worn or dirty. Replace or clean them.
- Ventilation slots may be blocked, causing overheating and reduced performance. Clean them.
- The grinding/cutting wheel may be worn or incorrect for the task.

- **Excessive Vibration:**

- The grinding/cutting wheel may be damaged, unbalanced, or incorrectly mounted. Replace or re-mount the wheel.
- Ensure the flanges are clean and properly tightened.

- **Overheating:**

- Clean the ventilation slots and detachable dustproof net.
- Avoid continuous heavy-duty use without breaks.
- Do not apply excessive pressure to the tool.

If these steps do not resolve the issue, contact customer support or a qualified service center.

9. SPECIFICATIONS

Technical specifications for the DongCheng DSM17-100 Angle Grinder.

Specification	Value
Model Number	DSM17-100
Rated Power Input	1100 W
Rated Speed	13000 RPM
Max. Wheel Diameter	100 mm
Hole Diameter of Wheel	16 mm
Power Source	Corded Electric
Net Weight	1.6 kg
Product Dimensions (L x W x H)	14.17" x 5.9" x 5.91"
Material	Plastic, Copper Motor
Color	Blue and Black

10. WARRANTY AND SUPPORT

For warranty information, service, or technical support, please contact the relevant distributor or importer using the details below.

Packer Contact Information

Packer: Raj Electricals and Power tools

Address: 273, labhriya bheru, Gangwal bus stand, indore (M.P)

Contact: 7067241572

Email: husaindhar.bd@gmail.com

Importer Contact Information

Importer: AARYA POWERTECH

Address: 9/4 & 9/5, S.NO. 1338, TPS. 14, New Manik Chowk Mill Compound, Nr. Idgah Police Chowki, Girdharnagar Pul, Dariapur Darwaja, Ahmedabad Gujarat - 380016, India

Contact: 6380260476

Email: aaryapowertech@gmail.com

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question