

DEWALT DW714-IN

DEWALT DW714-IN 10-inch (254 mm) Corded Compound Mitre Saw Instruction Manual

Model: DW714-IN

1. IMPORTANT SAFETY INSTRUCTIONS

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

General Power Tool Safety

- **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 in any way. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Always wear eye protection (safety glasses or goggles) and hearing protection. Use a dust mask if operations create dust. Dress properly; avoid loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **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.

Mitre Saw Specific Safety

- **Blade Guards:** Ensure all guards are in place and operating correctly before each use. Never operate the saw without guards.
- **Workpiece Support:** Always support the workpiece firmly against the fence and table. Use clamps or vises when possible.
- **Blade Selection:** Use only blades recommended for this saw and suitable for the material being cut. Ensure the blade is sharp and free from damage.
- **Maintain Balance:** Keep proper footing and balance at all times. Do not overreach.
- **Dust Collection:** Connect a dust collection device to reduce dust exposure.

2. PRODUCT OVERVIEW

The DEWALT DW714-IN is a 10-inch (254 mm) corded compound mitre saw designed for precise cutting of wood, aluminum, and tiles. Familiarize yourself with the components before operation.



Figure 2.1: DEWALT DW714-IN Mitre Saw with dust bag attached.



Figure 2.2: Key components of the DEWALT DW714-IN Mitre Saw. This diagram highlights the Operating Handle (1), Lower Guard (2), Spindle Lock (3), Carrying Handle (4), Lock Down Pin (5), Bevel Clamp Knob (6), Table (7), Mitre Scale (8), and Mitre Lock Knob (9).

Main Components:

- **Operating Handle:** Used to control the cutting process.
- **Lower Guard:** Protects the user from the spinning blade.
- **Spindle Lock:** Immobilizes the saw's spindle and blade for safe blade changes.
- **Carrying Handle:** Enhances portability and convenience.
- **Lock Down Pin:** Prevents accidental contact with the blade when not in use.
- **Bevel Clamp Knob:** Locks the saw blade at a desired bevel angle.
- **Table:** Provides a sturdy and stable surface for the workpiece.
- **Mitre Scale:** Displays the angle for cutting.
- **Mitre Lock Knob:** Ensures the accuracy and safety of the cuts by locking the mitre angle.
- **Dust Spout:** Connects to the dust bag or a vacuum system for dust collection.
- **Fence Clamping Knob:** Secures the fence in position.
- **Right Side Fence:** Provides support for the workpiece.

3. SETUP

Unpacking and Inspection

1. Carefully remove the mitre saw and all accessories from the packaging.
2. Inspect the tool for any damage that may have occurred during shipping. Do not operate if damaged.
3. Verify that all included components are present: 1 Dust bag, 1 Aluminum blade, 1 Insert, 1 Extension clamp.

Mounting the Saw

For stable and safe operation, it is recommended to securely mount the mitre saw to a workbench or a dedicated

mitre saw stand.

- Use appropriate bolts and nuts to fasten the saw through the mounting holes in its base to a sturdy surface.
- Ensure the mounting surface is level and capable of supporting the saw and workpiece.

Blade Installation/Check

The saw comes with an 80T TCT Aluminum blade. Always ensure the blade is correctly installed and secured before use.



Figure 3.1: Close-up view of the installed blade.

1. Ensure the saw is unplugged from the power source.
2. Press the spindle lock button to immobilize the blade.
3. Use the appropriate wrench to loosen the blade bolt and remove the outer flange.
4. Carefully place the blade onto the spindle, ensuring the teeth are pointing in the correct direction (downwards towards the table at the front of the saw).
5. Reinstall the outer flange and tighten the blade bolt securely while holding the spindle lock.

Dust Bag Attachment

Attach the included dust bag to the dust spout to collect sawdust during operation.



Figure 3.2: Attaching the dust bag to the saw.

1. Slide the dust bag collar over the dust spout until it is firmly seated.
2. Ensure the dust bag is securely attached to prevent it from falling off during use.

4. OPERATING INSTRUCTIONS

This section details how to perform various cuts and adjustments with your DEWALT DW714-IN mitre saw.

Powering On/Off

- To turn the saw ON, depress the trigger switch on the operating handle.
- To turn the saw OFF, release the trigger switch.

Adjusting Mitre Angles

The mitre saw allows for angle adjustments from 0° to 50° left and 0° to 60° right for various cutting needs.



Figure 4.1: Adjusting the mitre angle.

1. Loosen the mitre lock knob located at the front of the saw.
2. Rotate the turntable to the desired angle indicated on the mitre scale.
3. Tighten the mitre lock knob firmly to secure the angle before cutting.

Adjusting Bevel Angles

The saw can be tilted for bevel cuts, with a maximum depth of bevel cross-cut at 45° of 50 mm.

1. Loosen the bevel clamp knob.
2. Tilt the saw head to the desired bevel angle.
3. Tighten the bevel clamp knob to lock the head in position.

Making a Cut

Always ensure the workpiece is properly secured and the blade is sharp.



Figure 4.2: Examples of precision cuts on various materials.

1. Place the workpiece firmly against the fence and on the saw table.
2. Use the vertical extension clamp to secure the workpiece if necessary.
3. Ensure the blade is clear of the workpiece before starting the motor.
4. Depress the trigger switch to start the motor and allow the blade to reach full speed.
5. Slowly and steadily lower the saw head through the workpiece. Do not force the cut.
6. Once the cut is complete, release the trigger switch and allow the blade to stop completely before raising the saw head.

Using the Extension Clamp and Sliding Fence

The saw includes an extension clamp and a sliding fence for enhanced workpiece support and versatility.

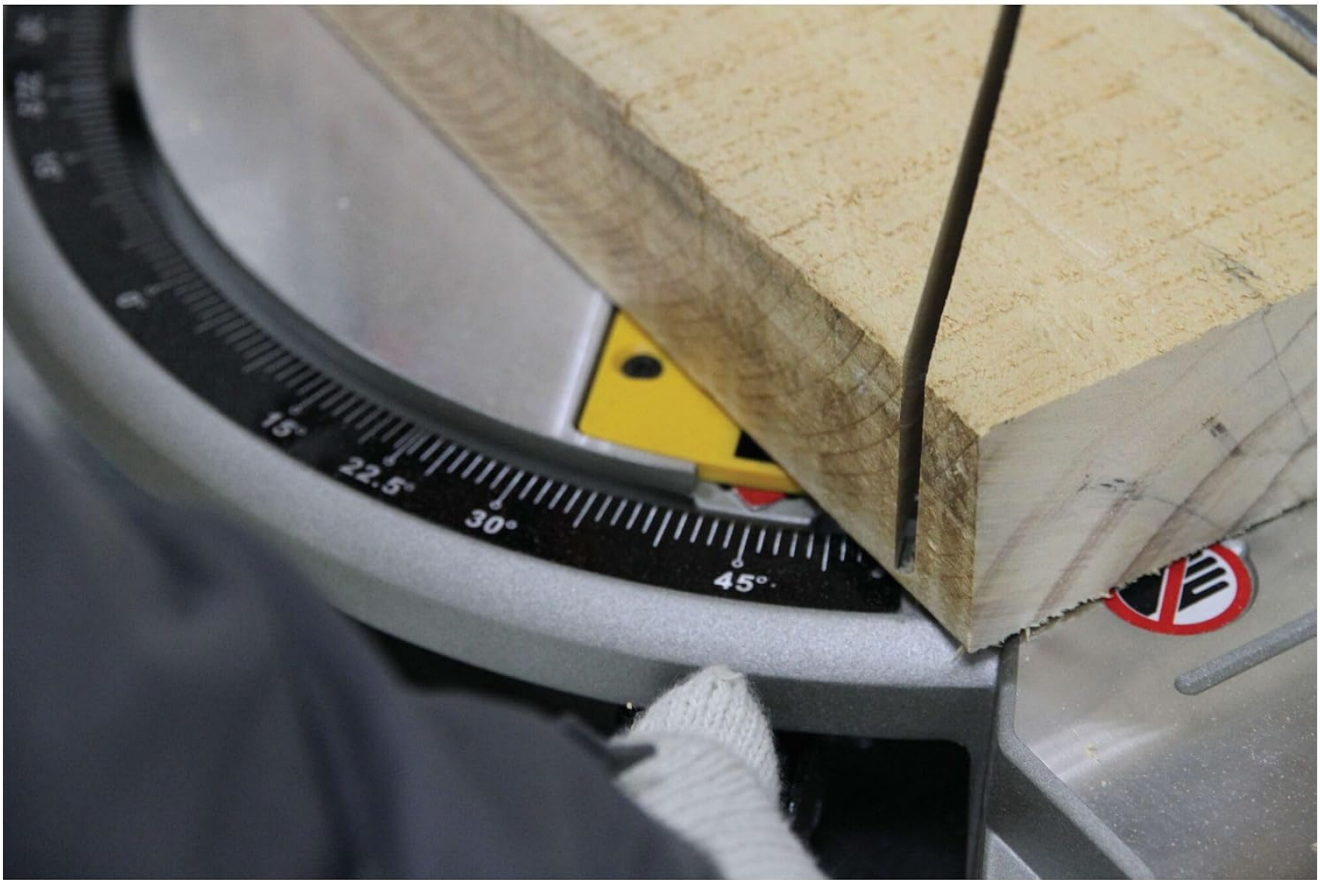


Figure 4.3: Using the sliding fence and extension clamp.

- The sliding fence provides maximum support for large material cuts. Adjust its position as needed for different workpiece sizes.
- The vertical extension clamp helps to hold the workpiece securely against the fence and table, preventing movement during cutting.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your mitre saw.

Cleaning the Dust Bag and Port

A clean dust collection system is crucial for efficient operation and a cleaner work environment.



Figure 5.1: Removing the dust bag for cleaning.

1. Disconnect the saw from the power source.
2. Remove the dust bag from the dust spout.
3. Empty the dust bag regularly. For optimal performance, clean the bag by shaking out accumulated dust.
4. Inspect the dust spout for any blockages and clear them if necessary.

Blade Inspection and Replacement

A dull or damaged blade can lead to poor cut quality and unsafe operation.

- Regularly inspect the blade for sharpness, cracks, or missing teeth.
- Replace dull or damaged blades immediately with a DEWALT recommended blade of the correct size (10-inch / 254 mm diameter, 25.4 mm arbor).
- Refer to the 'Blade Installation/Check' section for replacement instructions.

General Cleaning

- Keep the saw clean and free of debris. Use a soft brush or compressed air to remove sawdust from vents and

moving parts.

- Do not use harsh chemicals or abrasive cleaners.

6. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues. For more complex problems, contact customer support.

- **Saw does not start:** Check if the power cord is securely plugged into a working outlet. Ensure the circuit breaker has not tripped.
- **Poor cut quality:** Inspect the blade for sharpness and damage. Ensure the workpiece is securely clamped and the correct blade is used for the material.
- **Excessive dust:** Check if the dust bag is properly attached and empty. Clear any blockages in the dust spout.

7. SPECIFICATIONS

Detailed technical specifications for the DEWALT DW714-IN Mitre Saw.



Figure 7.1: Overview of DEWALT DW714-IN specifications.

Specification	Value
Brand	DEWALT
Model Number	DW714-IN
Power Source	Corded Electric
Wattage	1650 Watts
Voltage	240 Volts

Speed	4600 RPM
Blade Diameter	10 Inches (254 mm)
Number of Teeth (Blade)	80
Blade Material	Aluminium, Steel
Max. Cross-cut Capacity 90°	130 mm
Max. Mitre Capacity 45°	91 mm
Max. Depth of Cut 90°	89 mm
Max. Depth of Bevel Cross-cut 45°	50 mm
Cutting Angle	90 Degrees
Product Dimensions	20L x 5W x 20H Centimeters
Item Weight	20 Grams
Special Feature	Bevel Capability, Depth Adjustment, Ergonomic Handle
Surface Recommendation	Wood
Included Components	1 Dust bag, 1 Aluminum blade, 1 Insert, 1 Extension clamp

8. WARRANTY AND SUPPORT

Your DEWALT DW714-IN Mitre Saw comes with a manufacturer's warranty and dedicated customer support.

Warranty Information

A 2-year warranty is provided by the manufacturer from the date of purchase. Please retain your proof of purchase for warranty claims.

Customer Support

For sales, after-sales support, original parts, or any other inquiries, please contact DEWALT customer care.



Figure 8.1: DEWALT Total Care customer contact details.

- **Phone:** 1800-203-0644 (Monday - Saturday, 09:00 AM - 06:00 PM IST, except government holidays)
- **Email:** SBD-CUSTOMERCOMMUNICATIONS@SBDINC.COM
- **WhatsApp:** [+91 96060 55835](https://wa.me/919606055835)
- **Service Network:** Over 500 authorized service centers available.