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> DEWALT 10-Inch Miter / Table Saw Blade, ATB, Thin Kerf, 24-Tooth (DW3112) Instruction Manual

DEWALT DW3112

DEWALT 10-Inch Miter / Table Saw Blade (DW3112) Instruction Manual

Model: DW3112 | 24-Tooth ATB Thin Kerf Blade

INTRODUCTION

This manual provides essential instructions for the safe and effective use, installation, and maintenance of your DEWALT 10-Inch Miter / Table Saw Blade, model DW3112. Please read all instructions carefully before use to ensure proper operation and to prevent injury.

The DEWALT DW3112 is a 10-inch, 24-tooth Alternate Top Bevel (ATB) thin kerf saw blade designed for use with miter saws and table saws. It features a 5/8-inch arbor and is optimized for fast ripping in natural wood, plywood, and wood composites.

IMPORTANT SAFETY INFORMATION

WARNING: To reduce the risk of injury, users must read the instruction manual provided with the product (see proper use and ANSI Z87.1). Respiratory and hearing protection, cutting nails or other objects embedded in the workpiece can cause carbide tips to crack or break. Do not use this blade on masonry, concrete, fiber cement, or metal. Always mount the blade securely in proper rotation direction, using correct mounting hardware.

Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves, when handling or operating saw blades.

Ensure the power tool is unplugged before changing or inspecting the blade.

PRODUCT COMPONENTS

The DEWALT DW3112 saw blade consists of the following key features:

- **Blade Diameter:** 10 inches (254 mm)
- **Arbor Size:** 5/8 inch (16 mm)
- **Number of Teeth:** 24T (24 teeth)

- **Tooth Configuration:** ATB (Alternate Top Bevel)
- **Kerf:** Thin Kerf (0.097 inches)
- **Hook Angle:** +15 degrees
- **Maximum RPM:** 6000



Image: The DEWALT 10-Inch 24-Tooth Saw Blade (DW3112). This image displays the full saw blade with its specifications printed on the yellow body, including the 10-inch diameter, 24 teeth, and 5/8-inch arbor size.

SETUP AND INSTALLATION

1. **Power Disconnection:** Ensure your miter saw or table saw is unplugged from the power source before attempting any blade installation or removal.
2. **Blade Removal (if applicable):**
 - Consult your power tool's instruction manual for specific blade removal procedures.
 - Typically, this involves loosening the arbor nut while holding the blade stationary with a blade wrench or arbor

lock.

- Carefully remove the old blade, noting any washers or flanges.

3. **Blade Inspection:** Before installing the new DEWALT DW3112 blade, inspect it for any damage, such as bent teeth, cracks, or warping. Do not use a damaged blade.

4. **Blade Installation:**

- Position the new blade on the arbor, ensuring the teeth are oriented correctly for cutting (usually pointing towards the front of the saw for miter saws, or towards the operator for table saws). The rotation direction is often indicated by an arrow on the blade itself.
- Reinstall any washers or flanges according to your power tool's manual.
- Tighten the arbor nut securely. Do not overtighten.

5. **Test Spin:** After installation, manually rotate the blade to ensure it spins freely and without obstruction.



Image: A DEWALT miter saw with the blade installed, ready for operation. This image demonstrates the blade correctly mounted on a miter saw, highlighting the proper orientation for cutting.



Image: A DEWALT table saw with the blade installed, showing a piece of wood being cut. This image illustrates the blade correctly positioned within a table saw for cutting operations.

OPERATING INSTRUCTIONS

The DEWALT DW3112 blade is designed for fast ripping of various wood materials. Always follow the operating instructions provided with your specific miter saw or table saw.

- **Material Compatibility:** This blade is suitable for natural wood, plywood, and wood composites. Do not use on masonry, concrete, fiber cement, or metal.
- **Workpiece Securement:** Always secure the workpiece firmly before cutting to prevent kickback and ensure accurate cuts.
- **Feed Rate:** Apply a consistent and moderate feed rate. Forcing the blade can lead to overheating, premature wear, and potential kickback.
- **Blade Depth (Table Saws):** Adjust the blade height on table saws so that the gullets (spaces between teeth) are

just above the workpiece.

- **Clearance:** Ensure the area around the saw is clear of obstructions and bystanders.

MAINTENANCE AND CARE

Proper maintenance extends the life of your saw blade and ensures safe operation.

- **Cleaning:** Regularly clean the blade to remove resin and sawdust buildup. Use a blade cleaner specifically designed for saw blades. Avoid abrasive cleaners.
- **Inspection:** Before each use, inspect the blade for dullness, missing teeth, cracks, or other damage. A dull blade can cause overheating, poor cuts, and increased risk of kickback.
- **Sharpening:** When the blade becomes dull, have it professionally sharpened. Attempting to sharpen carbide-tipped blades without proper equipment can damage the blade.
- **Storage:** Store the blade in a dry, safe place, preferably in its original packaging or a protective sleeve, to prevent damage and corrosion.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Rough or Burned Cuts	Dull blade, incorrect feed rate, resin buildup, improper blade alignment.	Clean or sharpen blade, adjust feed rate, check saw alignment.
Excessive Vibration	Damaged blade, loose arbor nut, dirty flanges, unbalanced blade.	Inspect blade for damage, tighten arbor nut, clean flanges, replace blade if damaged.
Kickback	Improper workpiece support, dull blade, forcing cut, incorrect blade height (table saw).	Ensure workpiece is secure, sharpen blade, use appropriate feed rate, adjust blade height.

SPECIFICATIONS

Feature	Specification
Model Number	DW3112
Blade Diameter	10 Inches (254 mm)
Arbor Size	5/8 Inch (16 mm)
Number of Teeth	24T
Tooth Configuration	ATB (Alternate Top Bevel)
Kerf Thickness	0.097 Inches
Hook Angle	+15 Degrees
Maximum RPM	6000
Item Weight	1.7 Pounds

Feature	Specification
UPC	028874031128

WARRANTY AND SUPPORT

This DEWALT product comes with a **1 Year Full Warranty**. For warranty claims or technical support, please contact DEWALT customer service or visit the official DEWALT website.

For further assistance, refer to the official DEWALT website: www.dewalt.com

