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› DEWALT Circular Saw Blade, 6 1/2 Inch, 40 Tooth, Framing (DWA161240) User Manual

DEWALT DWA161240

DEWALT Circular Saw Blade User Manual

Model: DWA161240

PRODUCT OVERVIEW

The DEWALT 6-1/2 inch, 40-tooth circular saw blade (Model DWA161240) is engineered for framing and cross-cutting applications. Its design incorporates patented body slots to minimize vibration, working in conjunction with a thin kerf for enhanced user control and smooth cuts. The blade features high-density tungsten carbide teeth, providing durability and extended life. A reinforced shoulder offers impact resistance, particularly useful when cutting through nail-embedded wood. Additionally, the ToughCoat anti-stick coating reduces friction and prevents gumming, optimizing performance for both corded and cordless circular saws.



Image: The DEWALT 6-1/2 inch 40-tooth circular saw blade, designed for framing and cross-cutting.

SETUP AND INSTALLATION

Proper installation of the saw blade is crucial for safety and optimal performance. This blade is designed for easy installation on compatible circular saws.

Compatibility:

- **Blade Diameter:** 6-1/2 inches (165 mm)
- **Arbor Size:** 5/8 inch (16 mm)
- **Maximum RPM:** 7000 RPM
- Optimized for use on both corded and cordless circular saws.

Installation Steps:

1. **Safety First:** Always disconnect the power tool from its power source (unplug or remove battery pack) before

attempting to install or remove any accessories.

2. **Consult Saw Manual:** Refer to your circular saw's instruction manual for specific blade installation procedures, as steps may vary slightly between models.
3. **Blade Orientation:** Ensure the blade is installed with the teeth pointing in the correct direction of rotation, typically indicated by an arrow on the blade and the saw.
4. **Secure Fastening:** Securely fasten the blade using the appropriate arbor nut and washer, ensuring it is tightened to the manufacturer's specifications.
5. **Check for Clearance:** After installation, manually rotate the blade to ensure it spins freely and does not contact any part of the saw guard or housing.



Image: The DEWALT circular saw blade as it appears in its retail packaging, highlighting key specifications.

OPERATING INSTRUCTIONS

This DEWALT circular saw blade is designed for efficient and precise cutting of wood materials. Follow these guidelines for optimal performance and safety.

Key Features for Operation:

- **Framing and Cross-Cutting:** Ideal for general framing tasks and making clean cross-cuts in various wood types.
- **Reduced Vibration:** Patented body slots minimize blade vibration, contributing to a smoother cutting experience and improved accuracy.
- **Thin Kerf Design:** The thin kerf reduces material waste and requires less power from the saw, making it suitable for both corded and cordless models.
- **Durable Teeth:** High-density tungsten carbide teeth maintain sharpness and provide long-lasting cutting performance.
- **Impact Resistance:** The reinforced shoulder design enhances durability and provides resistance against impacts, especially when cutting through wood containing nails.
- **Anti-Stick Coating:** ToughCoat anti-stick coating reduces friction and prevents resin and sawdust buildup, ensuring consistent cutting performance.
- **Accurate Tracking:** Exclusive, patent-pending ToughTrack tooth design ensures accurate tracking throughout the blade's lifespan.

General Cutting Tips:

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Ensure the workpiece is securely clamped or supported to prevent movement during cutting.
- Allow the saw to reach full speed before beginning a cut.
- Maintain a steady, consistent feed rate. Do not force the blade through the material.
- Keep the blade clean to ensure optimal performance and longevity.

MAINTENANCE

Regular maintenance will extend the life and performance of your DEWALT circular saw blade.

- **Cleaning:** After each use, clean the blade to remove sawdust, resin, and other debris. The ToughCoat anti-stick coating helps reduce gumming, making cleaning easier. Use a suitable blade cleaner and a stiff brush.
- **Inspection:** Periodically inspect the blade for signs of wear, damage, or missing teeth. A dull or damaged blade can lead to poor cuts and increased risk of kickback.
- **Sharpening:** While the high-density tungsten carbide teeth are designed for long life, professional sharpening may be required over time to restore optimal cutting performance. Do not attempt to sharpen carbide teeth yourself unless you have the proper tools and expertise.
- **Storage:** Store the blade in a dry, protected area to prevent rust and damage to the teeth. The original packaging or a dedicated blade storage case is recommended.

TROUBLESHOOTING

This section addresses common issues you might encounter with your circular saw blade. If problems persist, consult a qualified technician or DEWALT customer support.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Blade not cutting smoothly or burning wood	Dull blade, incorrect feed rate, resin buildup.	Clean the blade. If dull, consider professional sharpening or replacement. Adjust feed rate.
Excessive vibration during operation	Improper installation, damaged blade, loose arbor nut.	Ensure blade is correctly installed and arbor nut is tightened. Inspect blade for damage; replace if necessary.
Blade getting stuck or binding in material	Incorrect blade for material, forcing the cut, material pinching blade.	Ensure blade is suitable for wood. Do not force the cut. Support material properly to prevent pinching.

SPECIFICATIONS

Attribute	Detail
Brand	DEWALT
Model Number	DWA161240
Blade Diameter	6-1/2 inches (165 mm)
Number of Teeth	40T
Arbor Size	5/8 inch (16 mm)
Max RPM	7000 RPM
Material	High-Density Tungsten Carbide
Compatible Material	Wood
Coating	ToughCoat Anti-stick
Item Weight	7.4 ounces
Product Dimensions	8.44"L x 7.88"W
UPC	885911574440

WARRANTY AND SUPPORT

Specific warranty details for the DEWALT DWA161240 circular saw blade are typically provided with the product packaging or can be found on the official DEWALT website. For general product support, inquiries, or to locate authorized service centers, please visit the official DEWALT store or contact their customer service.

Official DEWALT Store: [Visit the DEWALT Store on Amazon](#)

