

## Denali DS-SB255-40

# Denali 10-Inch 40-Tooth Miter/Table Saw Blade Instruction Manual

Model: DS-SB255-40



## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Denali 10-Inch 40-Tooth Miter/Table Saw Blade. This blade is designed for general purpose cutting of various wood materials. Please read this manual thoroughly before installation and operation.



**Image 1.1:** Front view of the Denali 10-Inch 40-Tooth Miter/Table Saw Blade. This image displays the blade's general appearance, including the Denali brand logo, size, tooth count, and arbor size markings.

## 2. SAFETY INFORMATION

**WARNING:** Always read and follow the operating and safety instructions in the power tool owner's manual and the instructions for use of this accessory. Always wear safety goggles and other appropriate safety items for protection.

- **Personal Protective Equipment:** Always wear safety glasses or goggles, hearing protection, and a dust mask when operating power tools with this blade.
- **Power Disconnection:** Ensure the power tool is unplugged from the power source before installing, removing, or performing any maintenance on the saw blade.
- **Blade Inspection:** Before each use, inspect the blade for any damage, cracks, missing teeth, or excessive wear. Do not use a damaged blade.
- **Proper Installation:** Ensure the blade is installed correctly with the teeth pointing in the direction of rotation as indicated on the power tool and blade. The blade must be securely fastened.

- **Material Compatibility:** This blade is designed for cutting hardwood, softwood, lumber, plywood, hardboard, and MDF. It is **not** designed for cutting steel or iron.
- **Workpiece Security:** Always secure the workpiece firmly to prevent movement during cutting.

### 3. PRODUCT FEATURES

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- Ideal for ripping, cross cutting, and miter cutting applications.
- Constructed with a sharp 40-tooth design for efficient cutting.
- Made from durable tungsten carbide and alloy steel for extended life.
- Laser-cut body minimizes noise and vibration, contributing to cooler operation and precision.
- Large, durable teeth are designed for safe sharpening.
- Tooth spacing facilitates heat dissipation and efficient chip removal.



**Image 3.1:** Close-up view of the Denali saw blade, highlighting key specifications such as 10-inch diameter, 5/8-inch arbor, 40 teeth, and maximum RPM. It also shows the kerf and plate thickness.

## 4. SETUP AND INSTALLATION

1. **Disconnect Power:** Always ensure your miter saw or table saw is unplugged from the power source before beginning installation.
2. **Consult Power Tool Manual:** Refer to your specific power tool's instruction manual for detailed blade change

procedures.

3. **Remove Old Blade:** Carefully remove the existing saw blade, if any, following your power tool's instructions.
4. **Clean Arbor:** Clean the saw's arbor and flanges to ensure proper seating of the new blade.
5. **Install New Blade:** Place the Denali 10-Inch 40-Tooth blade onto the arbor, ensuring the teeth are oriented correctly for cutting (usually pointing towards the front of the saw for miter saws, or upwards for table saws). The blade has a 5/8-inch arbor hole.
6. **Secure Blade:** Reinstall the blade washer, nut, and any other securing components according to your power tool's manual. Tighten securely, but do not overtighten.
7. **Check for Clearance:** Manually rotate the blade to ensure it spins freely and does not contact any part of the saw guard or housing.

## 5. OPERATION

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- **Pre-Operation Check:** Before each use, verify that the blade is securely installed, the workpiece is clamped, and all safety guards are in place.
- **Start Saw:** Allow the saw blade to reach its full operating speed before making contact with the workpiece.
- **Controlled Feed Rate:** Feed the material into the blade at a consistent, moderate rate. Avoid forcing the cut, as this can lead to kickback, blade damage, or poor cut quality.
- **Maintain Stance:** Always maintain a balanced stance and firm grip on the power tool.
- **Clear Work Area:** Keep hands and body clear of the blade's path. Ensure the work area is free of obstructions.
- **Finish Cut:** Allow the blade to stop completely before removing the workpiece or making adjustments.





**Image 5.1:** The Denali saw blade positioned on a workbench alongside various wood pieces, illustrating a typical work environment for its use.

## 6. MAINTENANCE

- **Cleaning:** Regularly clean the blade to remove pitch and resin buildup, which can affect cutting performance and cause overheating. Use a suitable blade cleaner and a stiff brush.
- **Storage:** When not in use, hang the saw blade in a dry location to prevent rust and protect the teeth from damage.
- **Sharpening:** The large, durable teeth of this blade can be safely sharpened by a qualified professional when they become dull. Do not attempt to sharpen the blade yourself unless you have the proper tools and expertise.
- **Inspection:** Periodically inspect the blade for any signs of wear, damage, or deformation. Replace the blade if it is bent, cracked, or has missing teeth.

## 7. TROUBLESHOOTING

- **Poor Cut Quality (Rough, Chipped Edges):**
  - Check if the blade is dull and requires sharpening or replacement.
  - Ensure the blade is installed correctly and securely.
  - Verify the feed rate is appropriate for the material being cut.
- **Excessive Vibration or Noise:**
  - Ensure the blade is properly seated on the arbor and the retaining nut is tight.
  - Inspect the blade for any damage, bends, or warping. Replace if damaged.
  - Check the saw's arbor for any debris or damage.
- **Burning Wood:**
  - The blade may be dull; consider sharpening or replacement.
  - Reduce the feed rate.
  - Ensure the blade is clean and free of pitch buildup.

8. SPECIFICATIONS

Attribute	Value
Brand	Denali
Model Number	DS-SB255-40
Size	10-Inch (255mm)
Arbor Size	5/8-Inch
Number of Teeth	40
Material	Alloy Steel, Tungsten Carbide
Color	Silver
Item Weight	1.3 Pounds
Product Dimensions	10 x 10 x 0.12 inches
UPC	672352810189



**Image 8.1:** The Denali saw blade with an overlay indicating its 10-inch (255mm) diameter, providing a visual reference for its size.




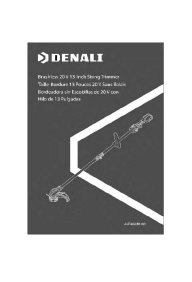

## 9. WARRANTY AND SUPPORT

This Denali 10-Inch 40-Tooth Miter/Table Saw Blade is covered by the Accessories 1-year Limited Warranty. For warranty claims or technical support, please refer to the contact information provided with your purchase or visit the official Denali brand website.

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### Related Documents - DS-SB255-40



	<p><a href="#">Denali 40-Pocket Lighted Tool Bag User Manual</a></p> <p>Comprehensive user manual for the Denali 40-Pocket Lighted Tool Bag. This guide provides essential information on product features, safe operation, assembly, maintenance, and disposal, ensuring users can effectively utilize the tool bag's illuminated design for enhanced visibility.</p>
	<p><a href="#">DENALI 18 V Cordless Pole Saw (APS4563B-00E) - Original Instructions</a></p> <p>Official original instructions for the DENALI 18 V (max. 20 V) Cordless 20 cm Pole Saw (Model APS4563B-00E). Includes safety warnings, operating instructions, maintenance, specifications, and troubleshooting.</p>
	<p><a href="#">DENALI D7 LED Light Pod Installation Guide</a></p> <p>Official instruction manual for DENALI D7 LED Light Pod (DNL.D7.050). Covers installation tips, hardware torque specs, mounting locations, and aiming procedures for motorcycles.</p>
	<p><a href="#">DENALI Brushless 20V 13-Inch String Trimmer User Manual</a></p> <p>User manual and safety guide for the DENALI Brushless 20V 13-Inch String Trimmer. Covers assembly, operation, maintenance, and safety precautions for this electric gardening tool.</p>
	<p><a href="#">Denali AJS8203B-00E Jig Saw Safety Manual and Instructions</a></p> <p>Comprehensive safety manual for the Denali AJS8203B-00E Jig Saw, providing essential operating instructions, safety warnings, specifications, and maintenance guidelines.</p>
	<p><a href="#">Denali Hammer Drill Safety Manual and Specifications</a></p> <p>This safety manual for the Denali Hammer Drill (Model AHD5278B-00E) provides essential warnings, instructions, and specifications for safe operation. Available in multiple languages including English, French, German, Italian, Spanish, Dutch, Polish, and Swedish.</p>