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BORA 543050

BORA WTX Clamp Edge 543050 Instruction Manual

INTRODUCTION

This manual provides instructions for the safe and effective use of your BORA WTX Clamp Edge 543050. The BORA WTX Clamp Edge is a rigid aluminum guide rail designed to assist in making precise, straight cuts with various power tools, including circular saws, routers, and jigsaws. Proper understanding and adherence to these instructions will ensure optimal performance and longevity of your tool.

PRODUCT FEATURES

- **Rigid Aluminum Construction:** Made from heavy-duty aluminum, this guide rail ensures straight and accurate cuts.
- **50-Inch Cutting Length:** Accommodates standard 4-foot sheet materials.
- **Adjustable Clamp End:** Slides along precise channels to fit various material thicknesses, ensuring a secure grip without wobbling or torquing.
- **Modular Design:** Compatible with optional extension kits to expand the cutting capacity up to 100 inches for longer materials.
- **Versatile Compatibility:** Designed for use with the BORA WTX Saw Plate (sold separately) and can be paired with circular saws, routers, and jigsaws.



Image: The BORA WTX Clamp Edge 543050, showcasing its full length and design.

SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves, when operating power tools.
- Ensure the workpiece is stable and securely clamped before making any cuts.
- Keep hands and fingers clear of the cutting path and moving blades/bits.
- Disconnect power tools from the power source before making adjustments or changing accessories.
- Read and understand the safety instructions for your specific power tool before use.
- Do not force the tool; allow the power tool to cut at its own pace.
- Keep the work area clean and well-lit.

SETUP

1. Unpacking

Carefully remove the BORA WTX Clamp Edge from its packaging. Inspect all components for any signs of damage. Ensure all parts listed in the packaging are present.

2. Attaching the Clamp Edge to Material

1. Place the BORA WTX Clamp Edge on your workpiece, aligning it with your desired cut line.
2. Slide the adjustable clamp end to fit the thickness of your material.
3. Engage the locking handle to firmly secure the clamp edge to the workpiece. Ensure there is no movement or wobble.

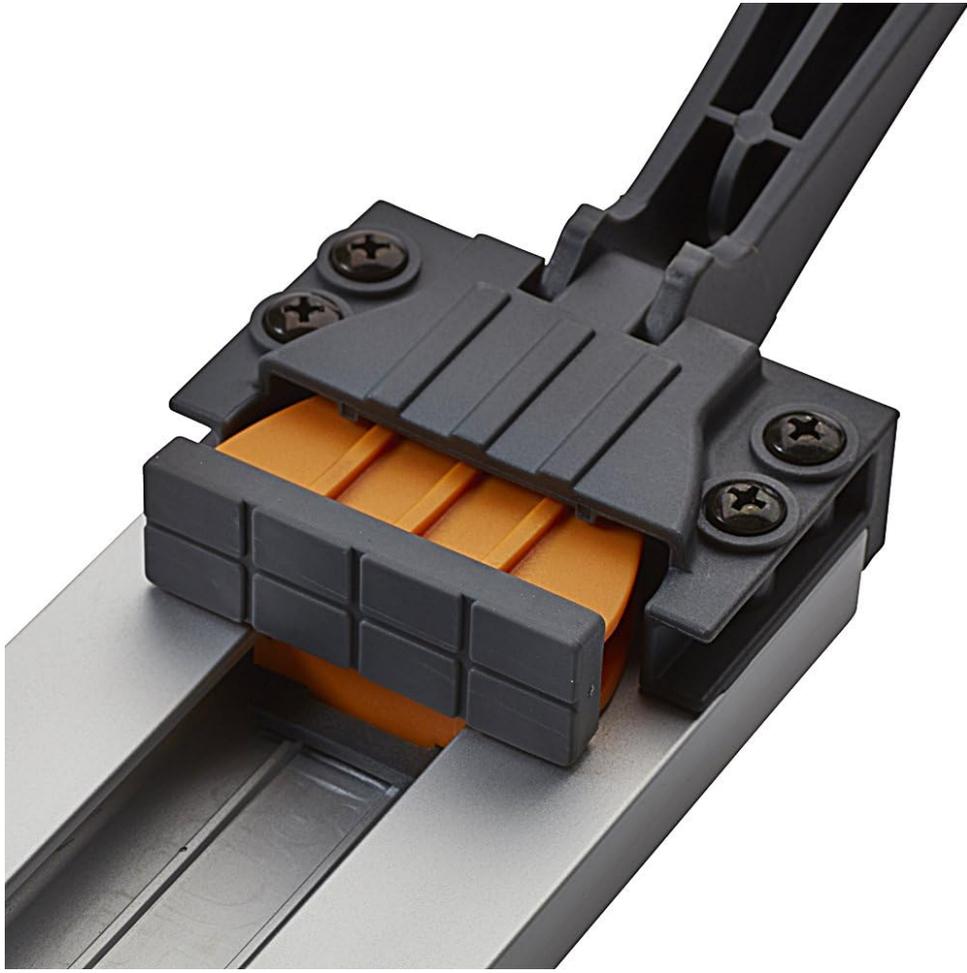


Image: Close-up view of the clamping mechanism on the BORA WTX Clamp Edge.

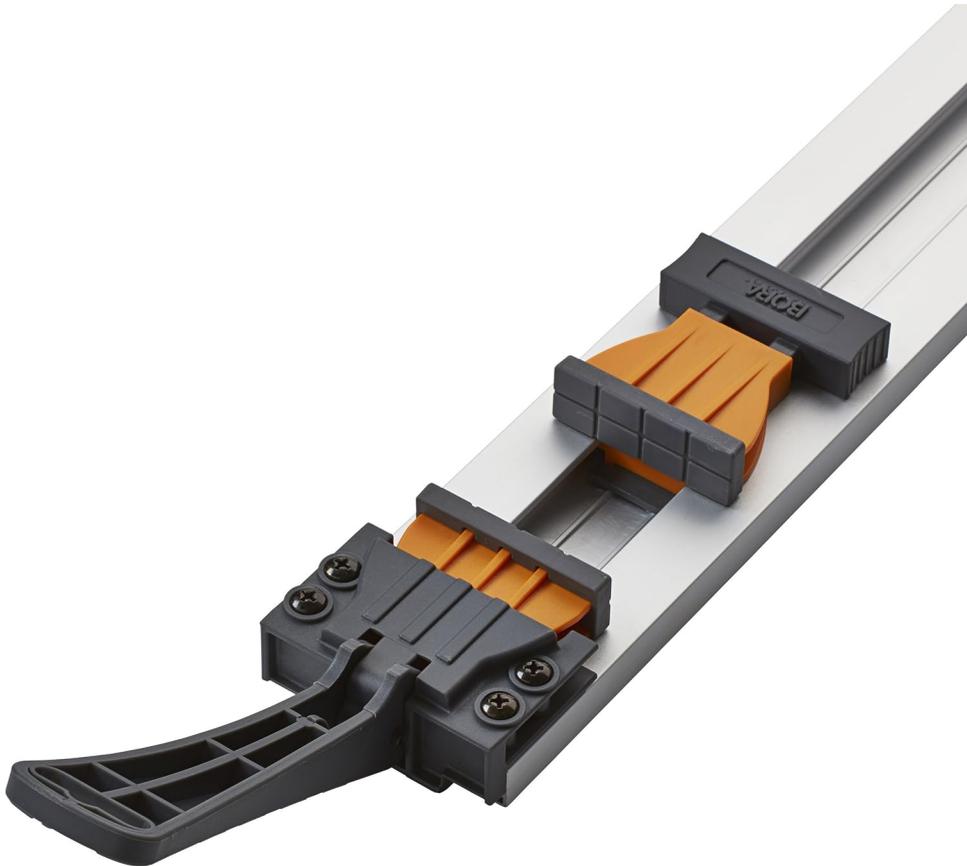


Image: Detail of the adjustable clamp end, showing how it secures to the material.

3. Using the Optional Extension Kit (Sold Separately)

To extend the cutting capacity of your BORA WTX Clamp Edge, an optional extension kit can be used. This kit allows you to connect additional sections, expanding the guide up to 100 inches.

1. Remove the end cap from the BORA WTX Clamp Edge by unscrewing it.
2. Slide the metal connectors from the extension kit into the channels of the main clamp edge.
3. Align the extension rail with the connectors and slide it into place.
4. Tighten the screws on the connectors to secure the connection between the main clamp edge and the extension rail.
5. Re-attach the end cap to the newly extended clamp edge.

Your browser does not support the video tag. This video demonstrates the setup and use of the BORA WTX Clamp Edge, including how to attach the clamp to a workpiece and how to extend its length using an optional kit. It shows the product in action with a circular saw.

OPERATING INSTRUCTIONS

1. Using with a Circular Saw

1. Measure the offset distance from your circular saw blade to the edge of its base plate.
2. Mark your workpiece with the desired cut line.
3. Position the BORA WTX Clamp Edge on the workpiece so that its edge is offset from your cut line by the measured distance (blade to base plate edge).
4. Securely clamp the guide to the workpiece.
5. Place your circular saw against the guide and make the cut, ensuring the saw base remains flush against the clamp edge throughout the cut.



Image: A person using a circular saw guided by the BORA WTX Clamp Edge to make a straight cut on a sheet of plywood.



Image: A wider shot showing the BORA WTX Clamp Edge guiding a circular saw across a large sheet of material on a workbench.

Your browser does not support the video tag. This video demonstrates the BORA WTX Clamp Edge in action, highlighting its ease of use and the straight cuts it helps achieve with a circular saw.

2. Using with a Router or Jigsaw (with BORA WTX Accessories)

The BORA WTX Clamp Edge is compatible with various BORA WTX accessories (sold separately), such as the Saw Plate, Router Guide, and Jigsaw Guide. These accessories attach to your power tools and then slide along the channels of the clamp edge, providing precise guidance for routing dados, grooves, rabbets, or making intricate jigsaw cuts.



Image: A person using a router with the BORA WTX Clamp Edge to create a precise groove in a wooden panel.

Complete the Bora WTX Clamp Edge™ System! Compatible Bora Clamp Edge™ Accessories



Track Clamps
542011



Saw Plate
542006



Router Guide
542005



Jigsaw Guide
542009

Image: An illustration showing various compatible BORA WTX accessories such as the Saw Plate, Router Guide, and Jigsaw Guide, which can be used with the Clamp Edge.

MAINTENANCE

- **Cleaning:** After each use, wipe down the aluminum rail and clamping mechanisms with a dry cloth to remove sawdust and debris. For stubborn residue, a mild cleaner can be used, ensuring it does not damage the aluminum finish or plastic components.
- **Lubrication:** Periodically check the sliding mechanisms of the adjustable clamp end. If movement becomes stiff, apply a small amount of dry lubricant (e.g., silicone spray) to the channels. Avoid oil-based lubricants that can attract dust.
- **Storage:** Store the BORA WTX Clamp Edge in a clean, dry place, away from direct sunlight and extreme temperatures. Hanging the clamp edge can help prevent bending or warping.
- **Inspection:** Regularly inspect the clamp edge for any signs of wear, damage, or deformation. Ensure all screws are tight and the clamping mechanism operates smoothly. Replace any damaged parts immediately.

TROUBLESHOOTING

- **Inaccurate Cuts:**
 - *Cause:* Clamp edge not securely fastened, power tool wobbling, incorrect offset measurement.
 - *Solution:* Ensure the clamp edge is tightly secured to the workpiece. Verify your power tool's base plate is flush against the guide. Double-check your blade-to-base plate offset measurement.
- **Clamp Edge Slips:**

- *Cause:* Insufficient clamping pressure, dirty clamping pads, material surface too slick.
- *Solution:* Apply more pressure with the locking handle. Clean the clamping pads. For very slick materials, consider using non-slip matting underneath the workpiece.

- **Difficulty Sliding Adjustable Clamp End:**

- *Cause:* Debris in channels, lack of lubrication.
- *Solution:* Clean the channels thoroughly. Apply a dry lubricant to the sliding mechanisms.

SPECIFICATIONS

Feature	Detail
Model Number	543050
Material	Aluminum
Item Dimensions (L x W x H)	62.75 x 3 x 1.5 inches
Item Weight	2.4 Pounds
Size	50-Inch Clamp Edge
Manufacturer	Affinity Tools

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official BORA website. Keep your proof of purchase for warranty claims.