

Bosch RA1054

BOSCH RA1054 Deluxe Router Edge Guide Instruction Manual

Model: RA1054 | Brand: Bosch

1. INTRODUCTION

The Bosch RA1054 Deluxe Router Edge Guide is designed to enhance the versatility and precision of compatible Bosch routers. This accessory facilitates various routing operations, including edge-forming with non-piloted bits, guiding cuts along a workpiece edge, and creating circles or arcs. It integrates dust management features for a cleaner work environment.

Key Features:

- **Adaptability:** Converts into a circle guide for arcs and circles up to 32 inches in diameter.
- **Multi-Use:** Guides cuts along the workpiece edge or up to 8 inches from the edge, enabling edge forming with non-piloted bits.
- **Accuracy:** Features precision fine-adjustment control for precise routing.
- **Functionality:** Includes dust collection accessories for maintaining a clean work area.
- **Compatibility:** Works with Bosch router models 1617, 1617EVs, 1617EVSPK, 1618, 1618EVs, 1619EVs, MRF23EVs, MRP23EVs, MRC23EVSK, PR011, 1611, 1611EVs, 1613EVs, 1613AEVs, 1615, 1615EVs, RA1160, RA1161, RA1162, RA1166, MRF01, MRP01, PR01.

2. COMPONENTS AND WHAT'S IN THE BOX

The Bosch RA1054 Deluxe Router Edge Guide package includes the following components:

- Router Guide Assembly
- Pivot Plate
- Dust Extraction Hood
- Vacuum Hose Adapter (compatible with 1-1/4 inch, 1-1/2 inch, and 35 mm hoses)
- Attachment Hardware (various thumb screws and wing nuts for different router models)

BEST FOR WOOD/WOOD BYPRODUCT

HARDWOOD, SOFTWOOD, PLYWOOD



Figure 1: Labeled components of the Bosch RA1054 Deluxe Router Edge Guide.

3. SETUP AND OPERATION

3.1 Attaching the Edge Guide to Your Router

1. Identify the appropriate attachment hardware (thumb screws) for your specific Bosch router model. Refer to your router's manual for base plate hole compatibility.
2. Insert the guide rods of the RA1054 into the designated holes on your router's base plate.
3. Secure the guide rods by tightening the thumb screws on the router base. Ensure the edge guide is firmly attached but allows for adjustment along the rods.

3.2 Adjusting for Straight Cuts

1. Loosen the two knobs on the edge guide assembly that are closest to the router.
2. Use the micro-adjustment dial to precisely set the desired distance of the router bit from the edge of the workpiece. Turning the dial will move the router in or out relative to the guide fence.

3. Once the desired setting is achieved, tighten the two loosened knobs to secure the adjustment.
4. For optimal stability, ensure the guide fence is positioned to make full contact with the workpiece edge during operation.



Figure 2: Router with edge guide in use for a straight cut.

3.3 Converting to a Circle Guide

1. Remove the standard guide fence assembly from the guide rods.
2. Attach the pivot plate to the designated mounting point on the guide assembly.
3. Insert the pivot pin into the center of your desired circle on the workpiece.
4. Adjust the distance of the router bit from the pivot pin to achieve the desired circle or arc radius.
5. Secure all adjustments before beginning the routing operation.



EASILY CONVERTS INTO CIRCLE GUIDE FOR MAKING ARCS AND CIRCLES UP TO 32 INCHES IN DIAMETER

Figure 3: Edge guide converted for circle routing.

3.4 Dust Extraction

1. Attach the dust extraction hood to the underside of the edge guide assembly.
2. Connect the vacuum hose adapter to the dust extraction hood.
3. Connect a compatible vacuum hose (1-1/4 inch, 1-1/2 inch, or 35 mm) to the adapter.
4. Ensure the dust collection system is active during routing to minimize airborne dust and maintain a clear view of the workpiece.

Video 1: Official Bosch video demonstrating the RA1054 Deluxe Router Edge Guide in use, showcasing its dust extraction capabilities.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Bosch RA1054 Deluxe Router Edge Guide, follow these maintenance guidelines:

- **Cleaning:** After each use, clean the guide rods, adjustment mechanisms, and all surfaces to remove sawdust, debris, and resin buildup. Use a dry cloth or a soft brush. Avoid harsh chemicals that may damage plastic components.
- **Lubrication:** Periodically apply a light coat of dry lubricant to the guide rods and threaded adjustment mechanisms to ensure smooth operation. Do not over-lubricate, as this can attract dust.
- **Inspection:** Regularly inspect all components for signs of wear, damage, or loose fasteners. Pay close attention to the guide fence, pivot plate, and attachment hardware. Replace any worn or damaged parts immediately.
- **Storage:** Store the edge guide in a clean, dry place, away from direct sunlight and extreme temperatures. If possible, store it in its original packaging or a protective case to prevent damage.

5. TROUBLESHOOTING

If you encounter issues with your Bosch RA1054 Deluxe Router Edge Guide, consider the following troubleshooting steps:

- **Inaccurate Cuts:**
 - Ensure all adjustment knobs and attachment hardware are securely tightened.
 - Verify that the router bit is correctly installed and tightened in the collet.
 - Check the workpiece for irregularities or uneven edges that might affect guiding.
 - Confirm that the micro-adjustment dial is set to the precise measurement.
- **Difficulty Adjusting:**
 - Loosen the appropriate knobs before attempting to adjust the guide.
 - Clean and lubricate the guide rods and threaded mechanisms if they feel stiff or sticky.
 - Ensure no debris is obstructing the movement of the adjustment components.
- **Poor Dust Collection:**
 - Check that the dust extraction hood and vacuum hose adapter are securely attached and free from blockages.
 - Verify that your vacuum system is operating correctly and has sufficient suction.
 - Ensure the vacuum hose is not kinked or obstructed.

6. SPECIFICATIONS

Attribute	Value
Brand	Bosch
Model Number	RA1054

Material	Metal, Plastic
Power Source	Hand-powered (Router Accessory)
Product Dimensions	15.5"W x 3.5"H
Item Weight	1 pound
Color	Black
Style	Router Edge Guide
Included Components	Unit, Instruction Guide

7. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Bosch Tools website. For technical support, replacement parts, or service inquiries, please contact Bosch customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.