POWERTEC 71022

POWERTEC 71022 6-1/2" Clear Acrylic Router Base Plate Instruction Manual

Model: 71022

INTRODUCTION

The POWERTEC 71022 6-1/2" Clear Acrylic Router Base Plate is designed to enhance precision and stability in various routing applications. This versatile accessory accommodates a wide range of standard routers, making it suitable for tasks such as template-routing, trimming, shaping, grooving, inlaying, flattening, and edge curving. Its clear acrylic construction provides optimal visibility of the workpiece, reducing the risk of errors and improving accuracy, especially when working near edges.

PRODUCT FEATURES

- **Effective Routing Plate:** 6-1/2" diameter plate designed for enhanced control and stability during routing operations.
- **Premium Construction:** Made from durable 5/16" thick clear acrylic for superior visibility and longevity.
- **Easy & Quick Installation:** Includes a centering pin and multiple mounting screws for precise alignment and secure attachment.
- **Versatile Compatibility:** Pre-drilled holes fit popular router brands including Porter Cable, Bosch, Craftsman, DeWalt, Hitachi, Makita, Milwaukee, and Ryobi.
- **Increased Functionality:** Facilitates easier and more precise routing along edges by maintaining router level on the workpiece.

PACKAGE CONTENTS

The POWERTEC 71022 Router Base Plate package includes the following components:

- 1 x 6-1/2" Clear Acrylic Router Base Plate
- 1 x Centering Pin (Brass)
- Assorted Mounting Screws (various sizes to fit different router models)

Works with POWERTEC 71622 Router Templates, Busings & Router Bits

Image: The POWERTEC 71022 Router Base Plate kit, showing the clear acrylic plate, brass centering pin, and various mounting screws.
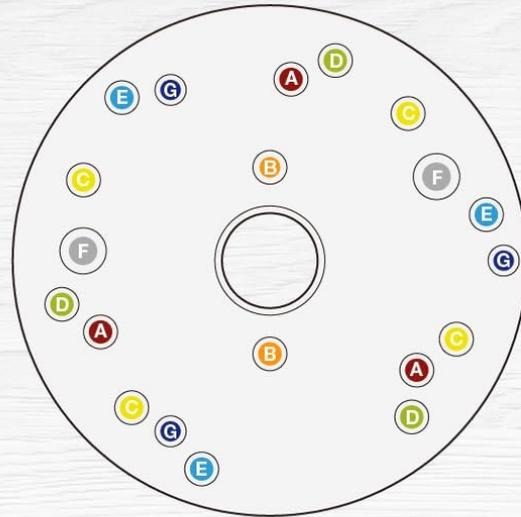
COMPATIBILITY

The POWERTEC 71022 Router Base Plate features pre-drilled holes designed for broad compatibility with many popular router brands. It also works as a converter for Bosch-style routers to accept Porter Cable-style guide bushings, expanding its versatility.

Compatible router brands and series include:

- **Porter Cable:** A100, A7529, A690, A8529, A890, 690 Series, 8529, 7529
- **Bosch:** 1617 series, 1618, 1619, 1619 EVS, MR23 Series (Note: Use the three marked holes on the Bosch 1617 fixed base with the "A" hole pattern for attachment.)
- **Craftsman:** 315 275 000, 315 175 040, 315 175 050, 315 175 060, 315 175 070
- **DeWALT:** DW621, DW616 series, DW625, DW618
- **Hitachi:** M8V, M-12VC, TR12
- **Makita:** RF1101
- **Milwaukee:** 5615, 5616, 5619
- **Ryobi:** R1631K

- **Fein:** FT 1800
- **Elu:** 177
- **Ridgid:** R2911

Compatibilities

Until the scratches are removed.

PORTERCABLE*	690 Series / 8529 / 7529	A	
Bosch*	1617 / 1618 / MR23 Series	A	Fixed Base (1617)
	1617	G	Plunge Base (1617)
Craftsman*	315 275 000	C	
	315 175 040 / 315 175 050 / 315 175 070	D	
	315 175 060	E	
Fein*	FT 1800	F	
Milwaukee*	5615 / 5616 / 5619	A	
Makita*	RF1101	A	
Hitachi*	M-12VC	A	
	M8V / TR12	B	
Elu*	177	F	
DeWALT*	DW616 Series / DW618 Series	A	
	DW621 / DW625	F	
Ryobi*	R1631K	C	
Ridgid*	R2911	A	Fixed Base

Image: Detailed compatibility chart showing hole patterns (A, B, C, D, E, F, G) for different router models.

SETUP & INSTALLATION

Follow these steps to properly install the POWERTEC 71022 Router Base Plate onto your router:

1. **Prepare the Guide Bushing:** If using a guide bushing, slot it through the universal base plate and tighten it securely in place.

2. **Position the Router Plate:** Place the router base plate onto your router's base.

3. **Insert Centering Pin:** Insert the brass centering pin through the guide bushing (if used) and into the router's collet opening. Ensure the centering pin is flush with the guide bushing collar. This step is crucial for accurate alignment.

4. **Secure the Base Plate:** Align the pre-drilled holes on the base plate with the corresponding threaded holes on your router. Use the provided mounting screws to securely fasten the base plate to the router. Tighten all screws evenly.

5. **Replace Centering Pin:** Once the base plate is securely mounted and aligned, remove the centering pin. Insert your desired router bit into the collet and tighten it according to your router's instructions.
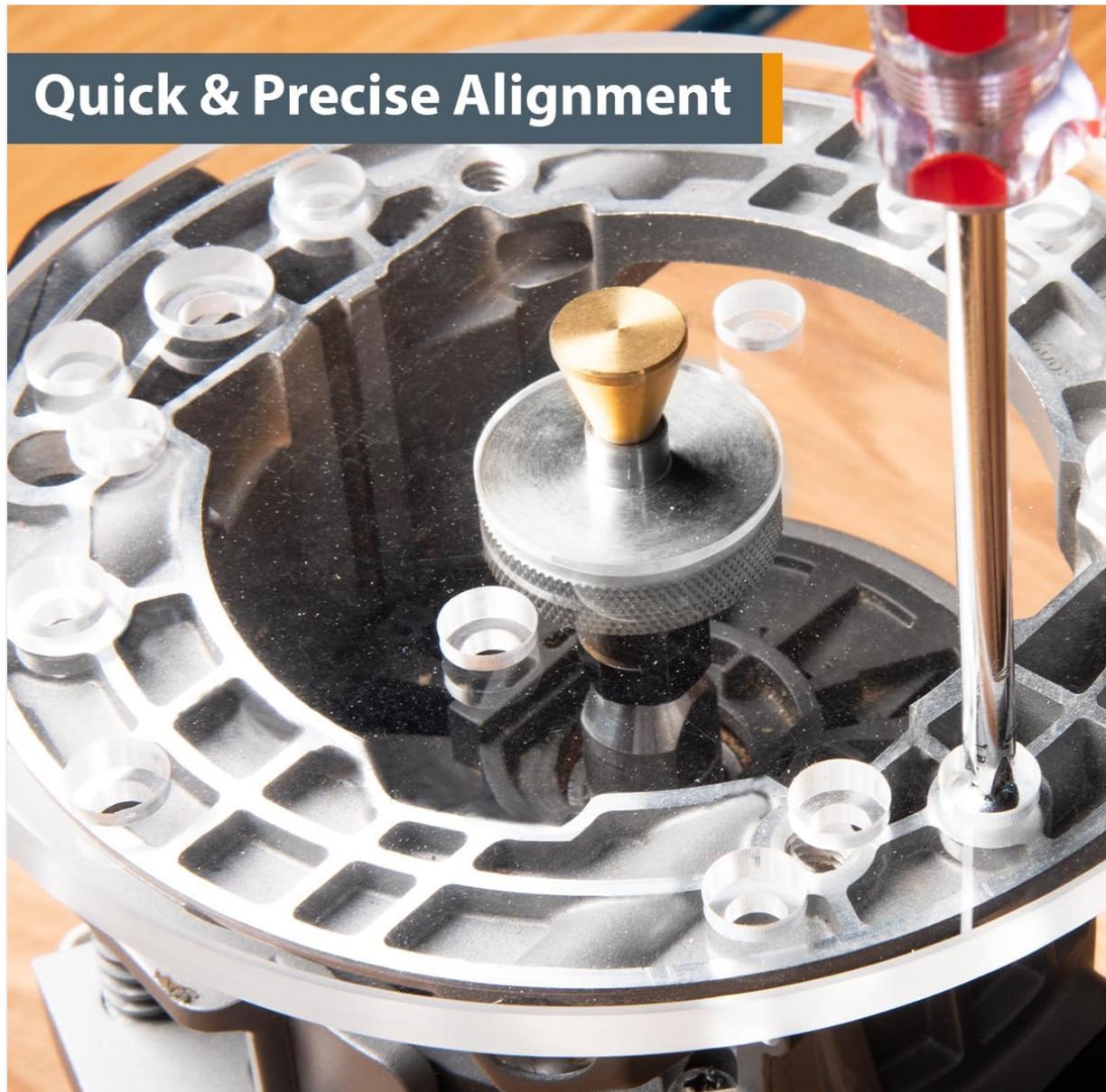

Image: A close-up view demonstrating the quick and precise alignment of the router base plate using the centering pin and mounting screws.

Durable Acrylic Made

Image: A detailed view highlighting the durable acrylic construction and the brass centering pin, essential for accurate setup.

Installation Video

Your browser does not support the video tag.

Video: This official POWERTEC USA video demonstrates the installation process of the Universal Router Plate, including how to use the centering pin for accurate alignment.

OPERATING INSTRUCTIONS

The POWERTEC 71022 Router Base Plate is designed to improve the accuracy and visibility of your routing tasks. Once installed, operate your router as usual, benefiting from the enhanced stability and clear view of your work area.

- **Edge Routing:** The extended base helps keep the router leveled on the workpiece, making routing along edges easier and more precise, and reducing the chance of tipping.
- **Template Routing:** When used with compatible guide bushings and templates, the base plate allows for accurate replication of shapes and patterns.
- **Visibility:** The clear acrylic material provides an unobstructed view of the router bit and the workpiece, aiding in precise cuts and reducing errors.
- **Versatile Applications:** Utilize the base plate for various woodworking tasks including trimming,

shaping, grooving, inlaying, and creating decorative edges.

Transparent Appearance

Image: The transparent appearance of the base plate, providing clear visibility of the router bit and workpiece during operation.

Works with POWERTEC 71622 Router Templates, Busings & Router Bits

Image: A router equipped with the POWERTEC base plate in action, demonstrating its use with templates and bushings for various woodworking tasks.

MAINTENANCE

To ensure the longevity and optimal performance of your POWERTEC 71022 Router Base Plate, follow these maintenance guidelines:

- **Cleaning:** After each use, wipe the acrylic plate with a soft, damp cloth to remove dust and debris. Avoid abrasive cleaners or solvents that could scratch or damage the acrylic.
- **Inspection:** Regularly inspect the base plate for any signs of cracks, chips, or excessive wear. Check that all mounting screws are tight and secure.
- **Storage:** Store the base plate in a clean, dry environment, away from direct sunlight or extreme temperatures, to prevent warping or degradation of the acrylic.
- **Centering Pin:** Keep the brass centering pin clean and free of debris to ensure accurate alignment during installation.

TROUBLESHOOTING

If you encounter issues with your POWERTEC 71022 Router Base Plate, consider the following:

- **Poor Alignment:**

    - Ensure the centering pin was used correctly during installation to align the base plate with the router's collet.
    - Verify that the guide bushing (if used) is properly seated and tightened in the base plate.

- **Loose Base Plate:**

    - Check that all mounting screws are securely tightened.
    - Confirm that the correct screw sizes were used for your specific router model.

- **Scratches/Reduced Visibility:**

    - Acrylic can scratch over time. While minor scratches typically don't affect performance, deep scratches might. Consider replacement if visibility is significantly impaired.
    - Always clean with soft materials to prevent further scratching.

- **Router Not Listed in Compatibility:**

    - The base plate has multiple pre-drilled patterns. If your router is not explicitly listed, compare its base plate's hole pattern to the provided chart.
    - New holes can be drilled into the acrylic plate if necessary to fit your specific router, ensuring proper alignment.

SPECIFICATIONS

Model Number	71022
Material	Acrylic and Metal (Centering Pin)
Size	6-1/2" Base Plate
Thickness	5/16"
Color	Clear
Item Weight	9 ounces
Included Components	Router Plate, Centering Pin, Assorted Mounting Screws
Manufacturer	Southern Technology LLC (POWERTEC)

WARRANTY & SUPPORT

For warranty information, product support, or to purchase replacement parts, please visit the official POWERTEC website or contact their customer service directly. Keep your purchase receipt for warranty claims.
Manufacturer: Southern Technology LLC
Brand: POWERTEC