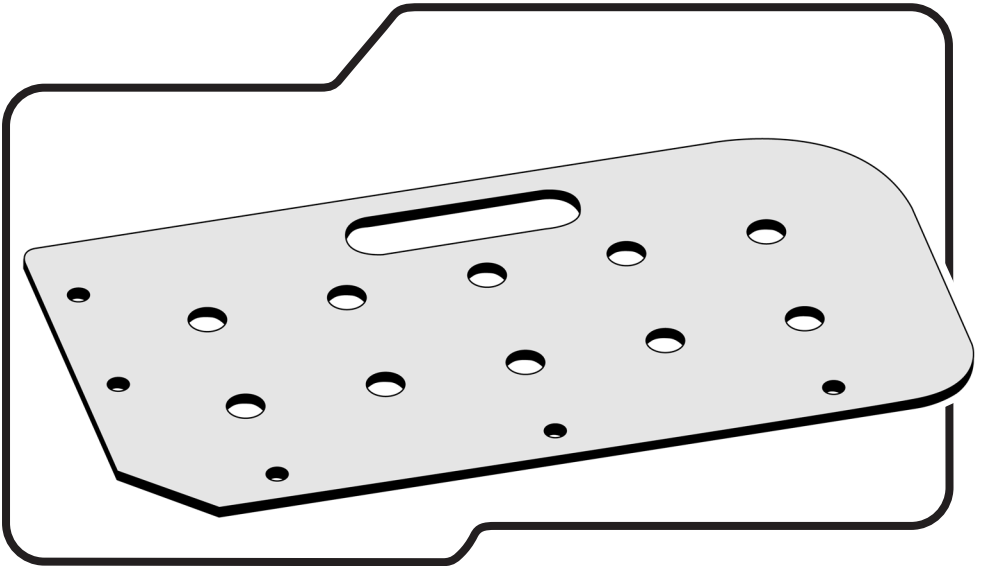


**POWERTEC®**

# Workbench Table Top Routing Jig Kit

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You will need this manual for safety instructions, operating procedures, and warranty. Put it and the original sales invoice in a safe, dry place for future reference.



# CONTENTS

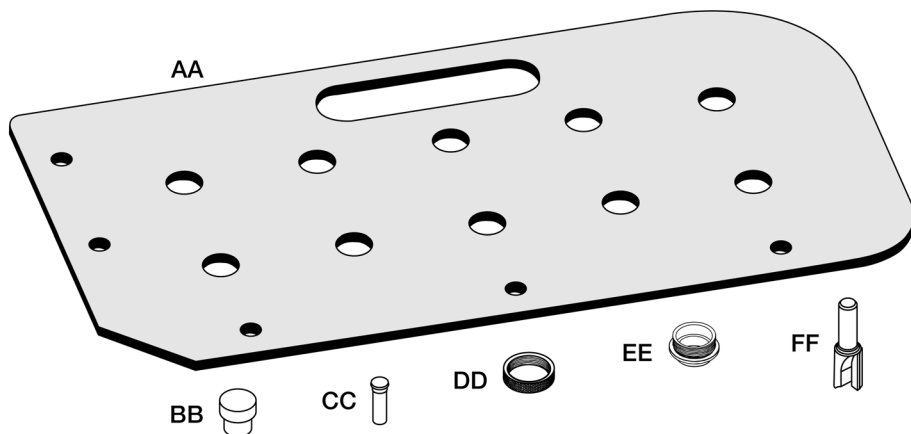
| ITEM | DESCRIPTION                                                 | QTY |
|------|-------------------------------------------------------------|-----|
| AA   | Template<br>23-1/32" x 11-11/16" x 5/16"                    | 1   |
| BB   | Index Pins 3/4"                                             | 3   |
| CC   | Edge Pins 25/64" x 1-1/16"                                  | 4   |
| DD   | Lock Nut $\phi$ 1-3/8" x 5/16"L                             | 1   |
| EE   | Guide Bushing $\phi$ 1"OD<br>x $\phi$ 7/8"ID x 45/64"L      | 1   |
| FF   | Router Bit 3/4" cutting diameter<br>x 1-1/4" cutting length | 1   |

## UNPACKING

 Refer to Figure 1

Check for shipping damage. Check immediately whether all parts and accessories are included.

2 Figure 1



## SAFETY WARNINGS

### WARNING

Follow all manufacturers safety precautions for the Plunge Router to be used. Read and follow instructions carefully. Failure to do so could lead to serious injury.

### WARNING

Do not use the Workbench Table Top Routing Jig Kit until you have read and understood all the operating instructions and the operating manual.

### CAUTION

Think safety! Safety is a combination of operator common sense and alertness at all times when a tool is being used.

### WARNING

**BEFORE** beginning any cutting operation, **ALWAYS** make sure **ALL** parts of the Multi-Function Routing Jig are assembled correctly before operation.

### WARNING

To avoid serious injury, turn off and unplug machine before attaching or changing accessories or adjusting router bit.

### DANGER

Risk of serious injury. The Router Bit is extremely sharp. Always wear proper gloves when handling. Keep hands and fingers away from spinning router bits. Be aware of the cutting apparatus at all times.

# SPECIFIC SAFETY WARNINGS

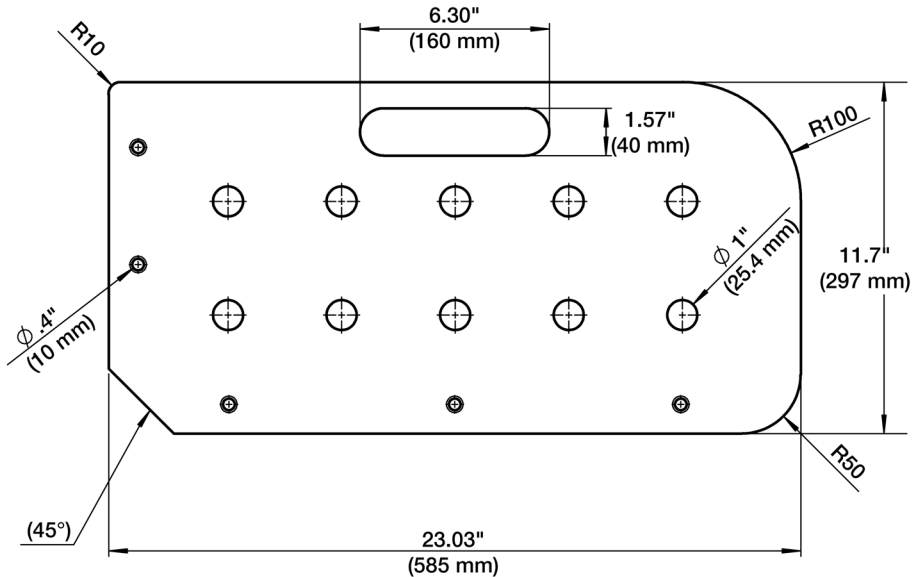
## WARNING

Before using the Workbench Table Top Routing Jig Kit, user must read and understand all safety instructions for this product and information contained in Router manufacturer's manual.

- Router bits are sharp. Handle with care. Avoid awkward hand positions where a sudden slip could cause contact with router bit.
- Properly secure workpiece before routing. Do not attempt to hold the Template in place with hand while drilling. Secure it to workpiece with clamps (not included).
- Do not allow familiarity gained from frequent use of tools replace safe work practices. A moment of carelessness is sufficient to cause severe injury.
- When using the Routing Jig Kit do not drill through any metal material.
- Maintain accessories. Do not use damaged accessories. Only use accessories recommended by the manufacturer.
- Always wear ANSI approved hearing, eye and respiratory protection.
- Do not switch the router on with the router bit touching the workpiece. Start the router first then move router bit into the material to be cut.
- At the end of each cut, release the router plunge and allow spindle to stop rotating.
- Never use the spindle lock as a brake.
- Do not back-cut or climb-out.
- Always use router bit with proper shank diameter matching the collet size installed in router.
- Do not use the cutting tool if it is dull, broken or cracked.
- Make trial cuts on scrap material before starting on final project.

# DIMENSIONS OF THE TEMPLATE

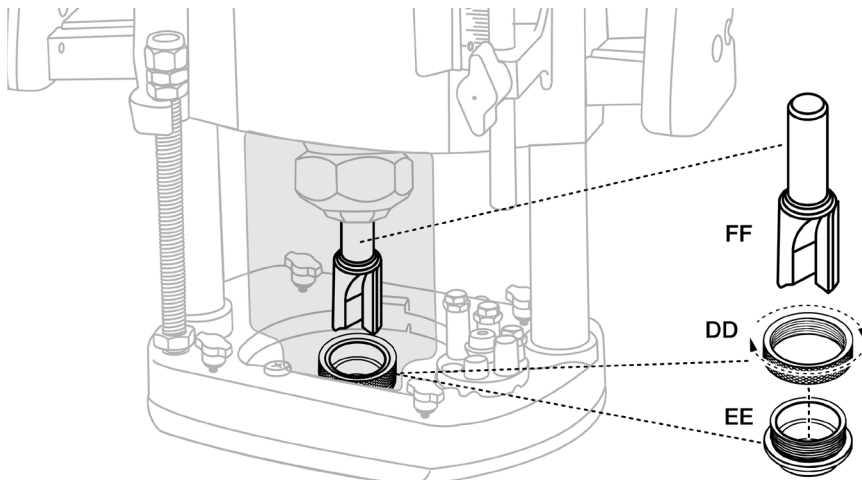
Figure 2



### CAUTION

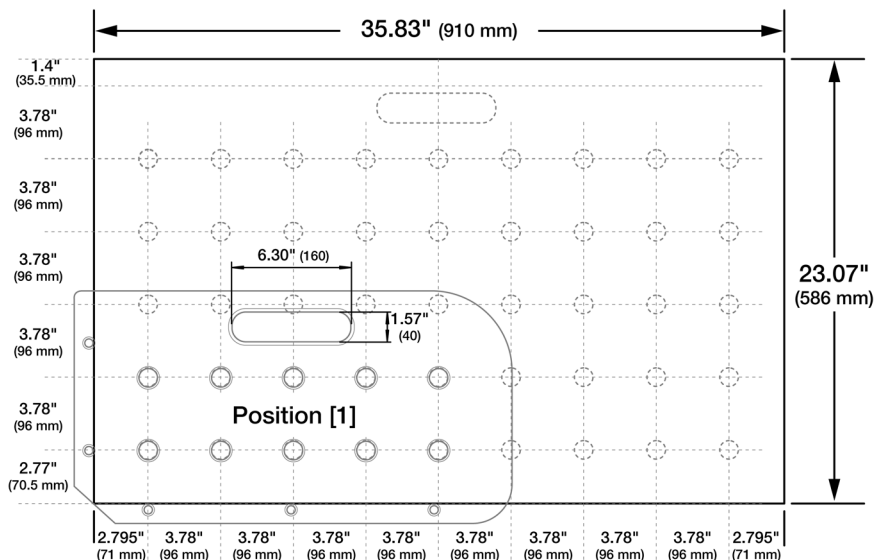
1. Insert 1" OD Guide Bushing (EE) into Router Base.
2. Hand twist to secure Lock Nut (DD) onto 1" OD Guide Bushing (EE)—tighten.
3. Insert and secure 3/4" Router Bit (FF) provided into collet on Router.
4. Set bit depth required for project.

### Figure 3

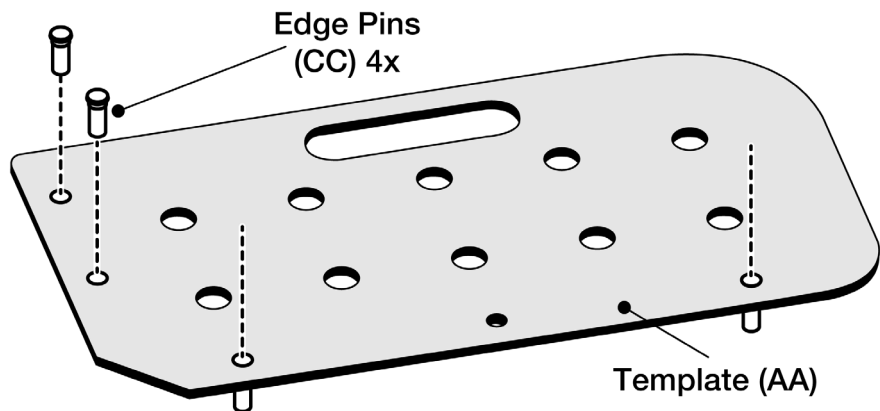


**For this example**—5 rows, 9 columns, 3/4" holes—1/2" Medium Density Fiber (MDF) board is the material recommended for creating a replaceable Multi-Functional Work Top.

### Figure 4

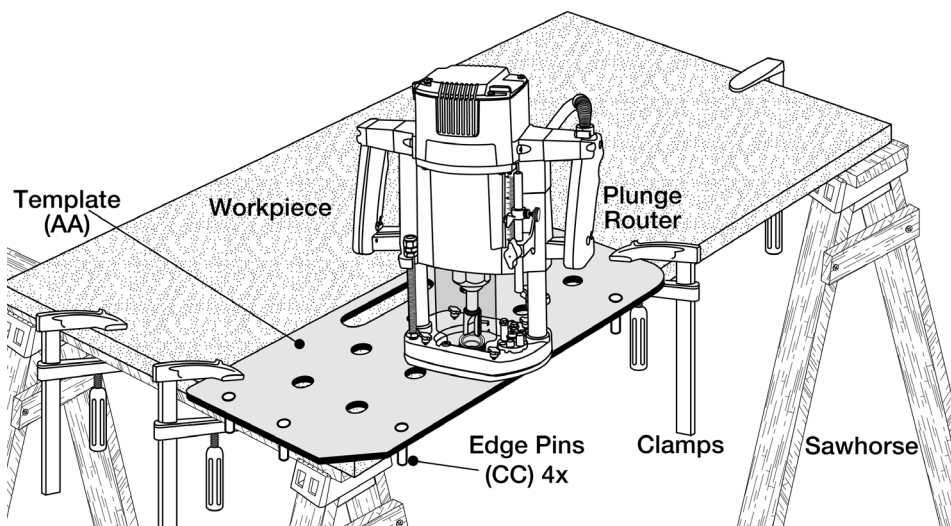


**Before routing Position [1]**—Insert four Edge Pins (CC) into Template (AA) as shown.  
**Figure 5**



- Set up a work station to suit the project at hand.
- Secure material to be used with clamps (not included).
- Place Template (AA) on bottom left corner of workpiece.
- Butt Edge Pins against workpiece edges.
- Hold in place and use clamps to secure (not included).

**Figure 6**

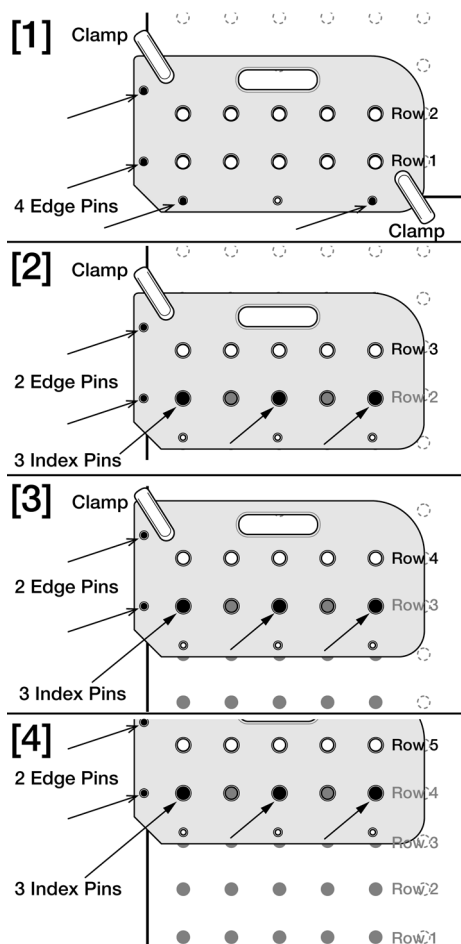




## Left Side Cutting Positions

- Position **[1]** consists of Row 1 & Row 2. Set up as shown. Rout two rows of 5 for 10 holes. Remove all Pins and clamps.
- For Position **[2]** reposition the Jig up 1 row to row 2.
- Place 2 Edge Pins (CC) in holes on the left side and 3 Index Pins (BB) as shown. Clamp top left of Jig.
- Rout the next 5 holes.
- Repeat the process until all 5 Rows have been routed.
- This will complete the left side of the Multi-Function Portable Work Top.

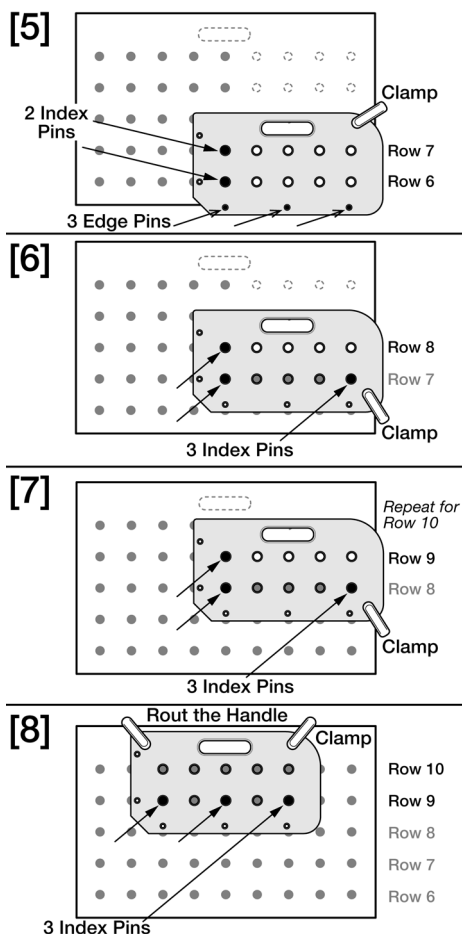
**Figure 7 Left Side Drills**



## Right Side Cutting Positions

- Position **[5]** consists of Row 6 & Row 7. Set up as shown. Rout two rows of 4 for 8 holes. Remove all Pins and clamps.
- For Position **[6]** reposition the Jig up 1 row to row 7.
- Place 3 Index Pins as shown. Clamp bottom right of Jig.
- Rout the next 4 holes.
- Repeat the process until all 5 rows have been routed.
- To rout the handle see Position **[8]**. Top/Center Jig, locate Rows 9 and 10. Insert 3 Index Pins as shown, clamp. Rout handle using 3/4" Router Bit (FF) and 1" OD Guide Bushing (EE) provided.

**Figure 8 Right Side Drills**



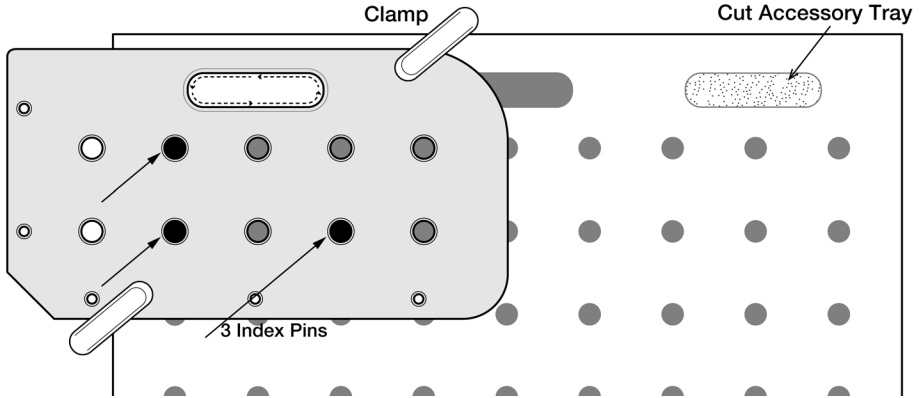


## Rout an Accessory Tray or Two

Use the handle cutout as a template. Mark this position. Secure in place with clamps and Index Pins (BB). **Do not cut through.** Set bit half the depth of

material thickness. Use the 3/4" Router Bit (FF) and 1" OD Guide Bushing (EE) provided. Rout tray, making light passes until required depth is achieved.

Figure 9



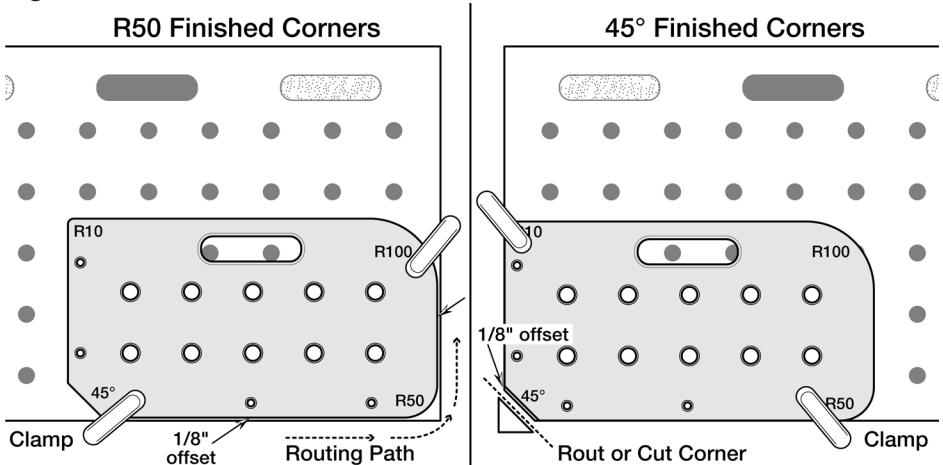
## FINISH CORNERS

The outside corner profiles on the Jig can be used for either radius corners or 45° chamfer corners.

Use the 3/4" Router Bit (FF) and 1" OD Guide Bushing (EE). Using the R50 corner radius profile on the Jig—set back 1/8" from the corner edges of the worktop. Clamp Jig in place. Rout several passes moving left to right until full depth is achieved. Repeat on all four corners.

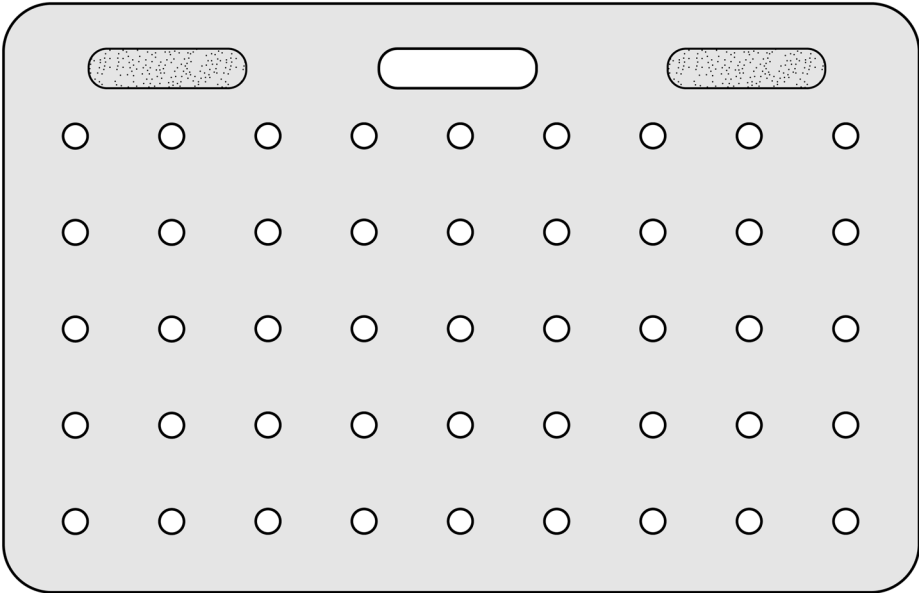
For a 45° corner, set the chamfer corner on the Jig back 1/8" from the finish line. Clamp Jig in place. Rout or cut. Repeat on all four corners.

Figure 10



# Completed Portable Replaceable Multi-Functional Work Top

Figure 11



CARE AND MAINTENANCE

## CARE AND MAINTENANCE

The 71959 Multi-function Routing Jig is designed for durability over a long period of time and requires minimum maintenance. Proper care and regular cleaning will extend the life of this product.

**Cleaning:** Clean regularly with a soft dry cloth.

**NOTE:** *Keep Jig and Multifunction Work Table dry. Do not expose to water or use in wet conditions.*