

Bishop Cochran Plunge Router Base

INSTRUCTIONS FOR USE

Fitting the Tool to the Base

Unscrew the plastic nosecap on the tool and screw on the round adaptor in its place. Position the tool in the supports and gently tighten the clamp screws. **Do not overtighten.** The tool fits snugly in the base. **Overtightening could damage either the tool or the base.** In the case of the Foredom, no nosepiece is needed; the handpiece fits in the holes on the base.

Setting Cutting Depth

Loosen the height lock and the depth stop set screw. Lower the tool carriage with the height adjustment knob until the bit touches the work. Place a feeler gauge of the desired depth of cut on the base and bring the stop rod in contact with it. Gently tighten the stop rod set screw and remove the feeler gauge. Now set the cutting depth by turning the height adjustment knob until the stop rod touches the base top. Tighten the height lock. **Do not overtighten.**

Plunge Routing

After making the appropriate depth adjustments above, the bit can be gradually lowered into the work while the motor is running, just as you would with a full size plunge router with micro-vertical adjustment.

Fence

The fence **may be attached from either the front or the back** of the base, depending on the application.

Fence, Circle Cutting

The fence may be used to guide straight cuts or rout circles. **The router base is shipped with the fence in the circle-cutting position.**

For most applications, it is best to have the 1/4" pin placed tightly in a workboard. The guitar top is then placed over the pin and the router spins around the fixed pin. In some applications it may be more convenient to tighten the pin to the base and have the pin rotate in the center hole of the work.

Adjustment of hole diameter is done by first loosening the levers on either side of the base and then setting the diameter with the fence-adjusting knob. Then re-tighten the levers to lock in the chosen diameter

Fence, Straight Cuts

To use the fence for straight cuts, the fence must be turned over. First remove the fence-adjusting knob by holding the knob firmly and unscrewing the acorn nut. (Insert a small hex key in the side of the knob to hold knob in position as you loosen the acorn nut.) The knob can now be unscrewed. Pull the fence free from the base and turn it over and re-install it. Replace the adjusting knob and gently turn it until the knob is against the fence, then back it off approximately 1/8 turn. Lock the knob to the adjusting screw at this position with the acorn nut. If fence adjustment is difficult, repeat this step until the slack between the adjusting knob and the fence is sufficient.

Freehand Routing

With the fence removed, the router base can be used for freehand routing; inverted and held in a vise, it can be used as a miniature drum sander. **When clamping the router base in a vise, make sure that it is held by the base plate alone. Do not clamp on the plunge mechanism.**

When re-installing the fence, place the **red** fence clamp on the right side of the base and the **black** on the left side of the base. This ensures that the levers clear the work.

The underside of the router base has two tapped 8-32 holes for mounting templates and other accessories intended to fit the router base. Two sets of 8-32 screws are provided for this purpose.

Maintenance

The only maintenance your router base needs is frequent cleaning with a dry brush or cloth.

All round stock is precision ground O1 tool steel. Tool steel is subject to light corrosion; therefore, always keep your base in an area free of dampness.

If the router base is disassembled for any reason, make sure the brass pad between the height clamp and the post is reinstalled. This is necessary to prevent the post from becoming marred.

Limited Warranty

This router base is intended for professional use only. It is guaranteed against defects in materials and workmanship for a period of one year from purchase. Since the use of the router base is beyond our control, guarantee is limited to repair or replacement of defective parts only. Warranty service may be obtained by returning the unit postpaid to the factory. **Always wear eye protection when using the router base.**

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We welcome your questions, suggestions and comments.