INSTALLATION INSTRUCTIONS

ROUTING TEMPLATE  TJ-L37 FOR L-37 / L-39 KNIFE HINGES

We have developed this system to help you install Brusso L-37 and L-39 offset pivot hinges into your projects like a pro with ease. The package includes a TJ-L37 template and spacer tab. Hinges are sold separately. One template will install top and bottom hinges on both the doors and the case. This template will locate our L-37 or L-39 hinge in the approximate center of a ¾ inch thick door and half of the pivot pin will be proud of the finished surface.

Tools
Modify a 3/8 diameter router bushing so that it will not protrude below the template plate which is 1/8 thick.

Install and center a ¼ inch diameter router bit into your router. Set your cutter depth to be the thickness of one hinge leaf (1/8 inch) plus 1/8 inch for the template plate, a total of about ¼ inch. Make a test cut to ensure you have this right. Adjust as needed so that the leaf is flush when mounted.

Notes
Plan on taking a rough and a finish pass to allow for chip clearance between cuts. Tool path is important. Move in only one axis at a time. Do not round corners, test fit often.
As with any new tool or technique, we strongly suggest that you practice in scrap wood first.
Case

Assemble your case with clamps - do not glue at this time. We find it handy to identify each piece and outline the hinge locations to avoid confusion of the parts. Once your case is clamped together, mark each corner, top and bottom as shown with a “sharp” pencil to identify the vertical edges of your case. Remove clamps you are ready to make the cuts.

Locate the template feet against the finished face of each case corner, top and bottom members so that the edge of the template foot is aligned with the pencil mark you just made. This is important so the hinge will align correctly.

See 'Notes' on pg. 1 for tips on this step and for help setting tool depth on your router. Clamp the template securely and rout the mortise for each leaf. Repeat this for each corner using both slots in the template as needed. This is where drawing the hinge outline is handy. Once you have finished routing use a chisel to square up the corners.

**IMPORTANT:**
Match your scribe line to the template foot marked with the BLUE arrow.

This will create an even 1/32 reveal around the entire door.
DOOR

Using the shim supplied, locate and clamp the template feet against the finished face of the door as shown. The supplied shim is different for each hinge in our family and will keep your reveal even all around the door. Place the short leg of the shim between the door edge and the template flat. It is important to make sure the shim is resting on the flat and not the corner radius of the template plate (see pictures).

Once the template is square to the material and the shim, clamp it in place. Once the clamp is in place remove the shim.

**ALWAYS BE SURE TO REMOVE THE SHIM BEFORE ROUTING!**

Once the shim is removed, route out the mortise. Repeat this process top and bottom for each door. Again, outlines of the hinges are helpful.

Control your tool path and rout the mortise as before being careful not to round the inside corners.

Use a sharp chisel to square the corners. Test fit often.

Our hinges are precision machined and will last for years with some care. You have just installed them flat, square, and aligned. Be sure to put a drop of lube on each pivot pin at final assemble. Enjoy your work. Thanks for choosing Brusso products.