

# Flushbolt Template Instructions:

## Template Models: FB-601 & FB-603

These templates will produce both the deep mortise and the shallow or finish mortise by adjusting your router for the proper depth and moving the router the proper distance. With the exception of the last  $\frac{3}{4}$ " or so on both ends of the flushbolt itself, you will produce the deep mortise deep enough to allow for clearance of the working mechanism on the underside of the flushbolt.

1. Set this template to work with your router. Install the guide ( $\frac{5}{8}$ " O.D.) on your router, do not install the bit or withdraw the bit up into the router base so it is not protruding below the guide. Place the router on top of the template with the guide in the pocket, move the router to one end of the template and mark with a pencil where the edge of the router base stops. This position is the "full travel" of the router. Do the same thing for the other end of the template.
2. Place the flushbolt on the door edge with the top of the flushbolt flush with the top of the door; mark with a sharp pencil the location of the bottom of the flushbolt. This position will be almost exactly 6" from the top of the door.
3. Adjust the "red stops" on the back of the template to place the pocket of the template in the proper position on the edge of the door. You can place it in the center of the door edge or closer to one side or the other if you desire, it's your choice here.
4. Now place the template on the edge of the door, move the template down the door until the pocket opening just passes the mark you made on the door edge. You should see  $\frac{1}{16}$ " of an inch between the pocket of the template and your mark. The bottom of the template opening should be just about 6" plus the  $\frac{1}{16}$ " from the top of the door edge. Attach the template to the door by nailing in the nails.
5. Install the  $\frac{1}{2}$ " cutter in the router with the cutter protruding from the collet as much as you can without compromising safety. You will need to have as much of the cutter exposed as you can to produce the deep mortise.
6. *I like to make the shallow or finish mortise first so I will describe its procedure.* Adjust the depth of the cutter to about  $\frac{1}{8}$ " of an inch or less. Do not go too deep on the first pass. Now make a full pass starting at the top of the door, actually beyond the top as the template hangs over the top of the door so it is easy to start your router without touching the door and then continue making your cut.
7. Now take the flushbolt and place it in the mortise upside down and check for the depth of the cut. You do not need to remove the template from the door to do this. If your mortise is shallow, adjust your router and complete the mortise. If you are pleased with the mortise depth, you can now make the deep mortise.
8. Adjust the router depth another  $\frac{1}{4}$ " deeper from the first mortise used to make the shallow or finish mortise. You will now take a look at the backside of the flushbolt and notice how much less in length that the deep mortise is from the shallow mortise. It should be about  $\frac{3}{4}$ " of an inch or so, this is the location for the screw that retains the flushbolt. Insert your router into the template pocket and begin cutting. You will need to **STOP** moving your router that  $\frac{3}{4}$ " before you get to the bottom of the template pocket. You know where that position is because of the pencil mark you made when you set up your router to work with this template. Remove your router and make another  $\frac{1}{4}$ " depth adjustment. Make another pass, again stopping before you get to the bottom of the template pocket. You can check your progress by inserting the flushbolt into the mortise and checking the mortise depth.
9. After completing the deep mortise, remove the template from the door edge and place it on the top of the door. Most of the template will overhang the door as you are going to mortise a very small part on the top of the door. Set your router again for the  $\frac{1}{8}$ " of an inch cut depth and mortise that  $\frac{3}{4}$ " in length on the top of the door. You can check your work and if necessary re-attach the template to make any corrections by using the same nail holes to attach the template.
10. **The action of the template is simple, the length of the mortises are determined by you, the finish mortise is a full pass, the deep mortise is less than a full pass.**

If you need help you can e-mail us at [john@templaco.com](mailto:john@templaco.com) or call us at 760 471-2550