Step 8

Press the insert plate into the FIS Basic Template and place the router onto the insert plate and press the chisel onto the wood door. This is how you determine the zero measurement of the hinge to keep the outer contour of the invisible hinge, then remove the insert plate from the FIS Basic mould and turn it 180° and place it back in the FIS Basic Mould. Repeat the zero measurement process as described in Step 5 for the inner contour of the invisible hinge and mill it out.

Step 9

Remove the router template from the door. The recesses in both the frame and door are ready to be assembled. You can see the back wood in both the frame and door. Adjusting the door to get a nice even hanging seam is done with the invisible hinge. Follow the manufacturer's instructions received with your hinge purchase.

Two Tease Architectural Hardware
22/76 Reserve Road, Artarmon NSW 2064

247 Wood MANUAL

MILLING MOULD FIS BASIC

What you will need:

- Copy ring 24mm
- Milling Tool 18mm length 90mm
- Allen key 2.5 and 4mm
- Writing & Measuring tools
- Screwdriver & Screw
- Safety Glasses Dust cover & hearing protection

- Only suitable for rebate depth equal to door thickness
- Not suitable for frames with a hollow hinge
- Suitable for doors up to 2450mm

Step 1

Connect the conductor rails of the FIS BASIC set together, by using the coupling that is mounted in 1 of the rails and tighten it with an Allen key. Make sure that you do not connect the rails on the side where the mounting holes of the FIS stop block are.

Step 2

Place the FIS stop on the guide rail. The side of the installation is determined by which side of the frame you are going to start with. You can determine the placement by the holes that are in the rails. This will depend on how low or high your frame is.

Step 3

Equip your router with a 24mm ring and a router with a cutter dimension of 18mm and a maximum total length of 90mm. Make sure the router bit has sufficient length in the collar of your router.

Step 4

Place the complete milling template set against the frame where you want to mill the recesses. Place the FIS stop block tight with the abutment/support lip against the bottom of the lintel and screw it with a 4 x 30 screw.

The FIS stop is now your fixed reference point. From here you divide the FIS base molds equally over the frame post, after which you fix them with a bushing set/Allen key.

Make sure the stop on the rear of the FIS base and the front of the frame post, this is the correct distance from your hinge then you can now unscrew the entire milling template for optimum stability during milling.

Step 5

Press the insert plates into the FIS Basic template and place the router on the insert plate and press the chisel onto the wood frame thus determining the zero measurement of the hinge. Now take the hinge to keep the outer contour between the depth stop of the router, so you can mill the outer contour of the hinge exactly to depth.

Step 6

Mill out the contour of the invisible hinge, then remove the insert plate from the FIS Basic mold and turn it 180 ° and place it back in the FIS Basic mold. Repeat the zero measurement process as described in Step 5 for the inner contour of the invisible hinge and mill it out.

Step 7

Place the complete milling template set on the hinge side of the door with the stop lungs tight against the door. Check whether the hinge distance is equal to the hinges in the frame. Keep the stop lip of the FIS stop flush with the top of the door. Screw off the entire milling jig with 4 x 40screws. You have already determined the hinge distance in Step 4.

See back for next steps.

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Two Tease Architectural Hardware
22/76 Reserve Rd, ARTARMON NSW 2065
T: 02 9437 9876
E: info@twotease.com.au
www.twotease.com.au