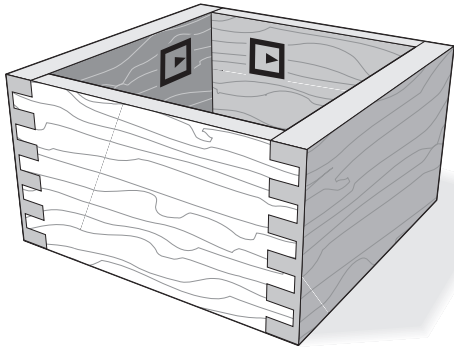



F2, F1600 **CHAPTER 8**

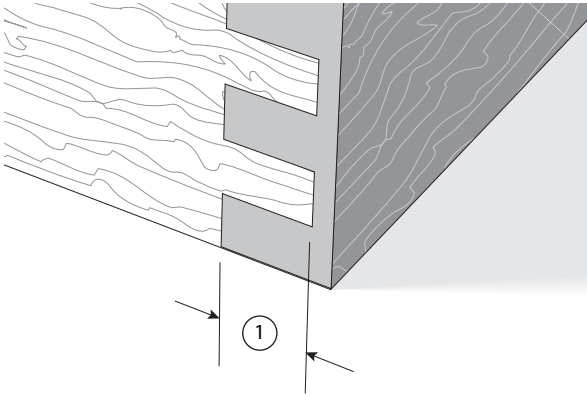
Square Half-Blind Box Joint Procedures





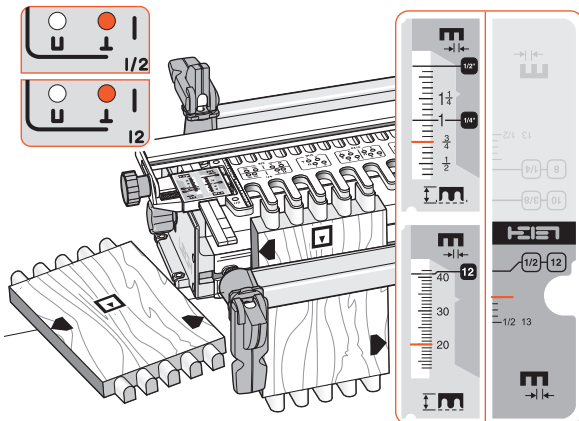
8-1 Square Half-Blind Joints

Just like the rounded half-blind joints: boards must be exactly the same width, inside faces  always face away from the jig body, and alternate edges are placed against the side stop. Even though part of this joint is rounded, we use the square pitch pin settings to rout it.




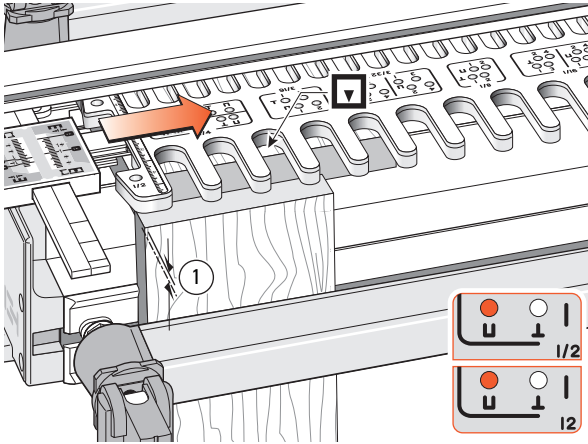
8-2

Set the depth of cut ① to about $\frac{1}{8}$ " [3mm] less than the drawer-front thickness.



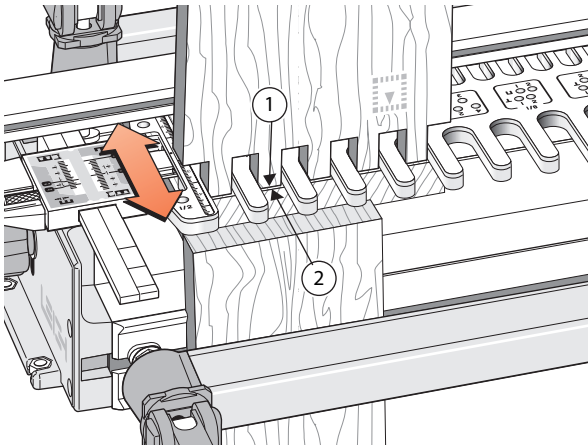
8-3

Set the template pin on the  setting and the scales to the thickness of the box sides, e.g. $\frac{3}{4}$ " [20mm] shown here. Move the F2 router fence to the rear, it is not used in this procedure. Rout the box side ends vertically in the front clamp.



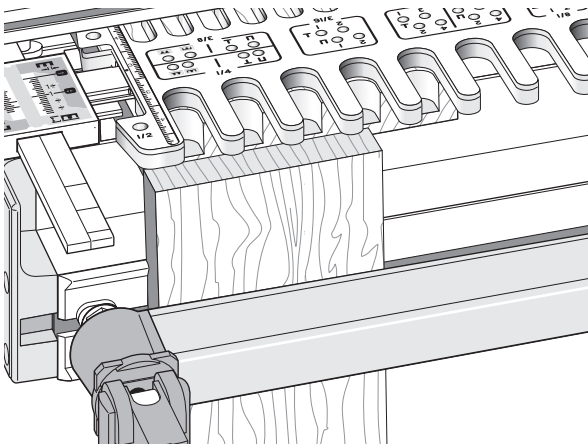
8-4

Set the template pin on **U**. Clamp a scrap piece vertically in the jig front with its top end slightly above the jig body ①. Clamp a box front horizontally with the inside face **□** away from the jig body, and the front end edge against the scrap board.



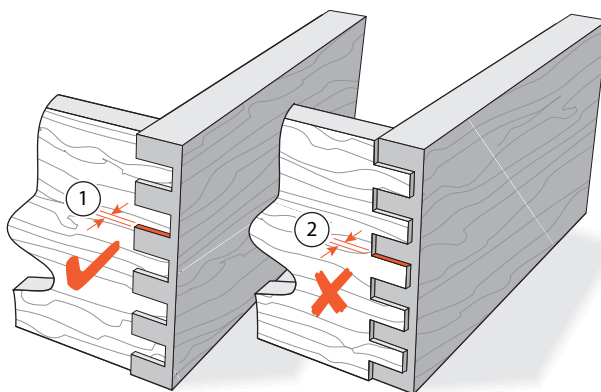
8-5

Place one of the routed box sides vertically through the template with the rounded part of the fingers in the rounded guide crotches. Adjust the template so the front face of the side board ① is $\frac{1}{16}$ " [1,5mm] in from the end edge of the box front ②. Lock the scales on the same setting at both ends.

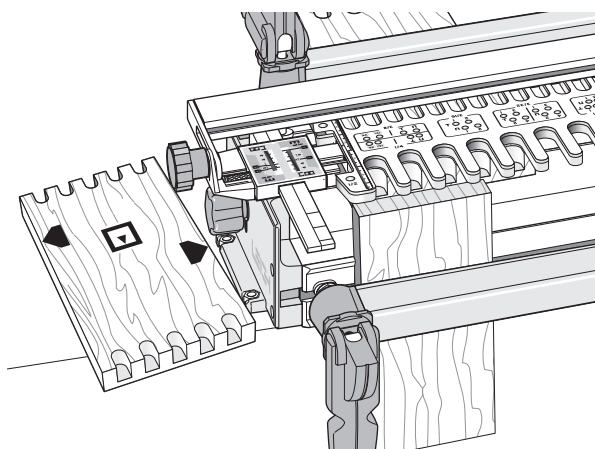


8-6

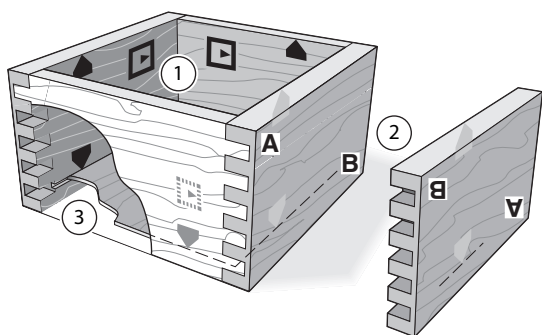
Rout a test piece to test the scale setting for joint flushness and adjust the template in or out to produce the required flush fit.

**8-7**

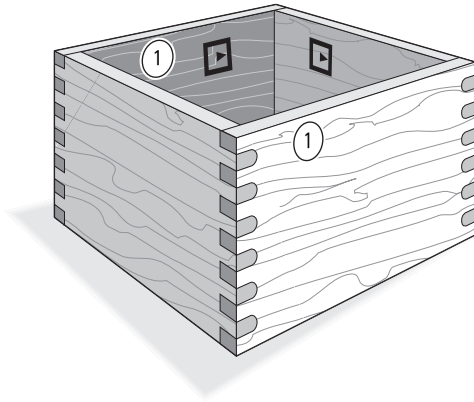
The drawer front pins should project through the side sockets by no more than $\frac{1}{64}$ " [0,25mm] for clean-up ①. If the sides project ②, adjust the template inward to suit.

**8-8**

When satisfied with the flushness fit, rout all the ends of the box fronts and backs in this mode.

**8-9**

Square half-blind box joint boards must be assembled with the inside faces inwards ① but unlike box joints, the sides edges may be up or down ②. So you can decide on the preferred board orientation before marking and routing the box bottom grooves ③. You will probably need to clamp in both directions when gluing-up.



8-10 Rounded Square Box Joints*

These are routed the same way as square half-blind box joints, but the depth of cut is slightly greater than the thickness of the front and rear boards ①. ■

** Cannot be routed on the F1600 1/2" [F1600M 12mm] combs.*



