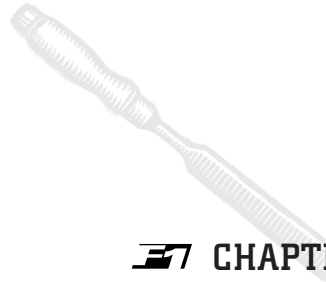
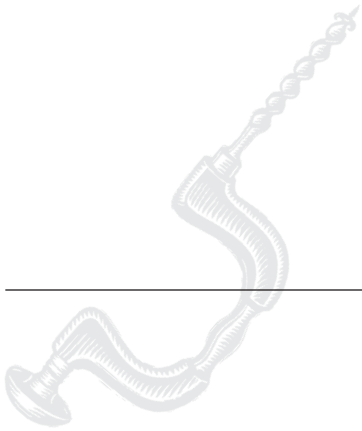
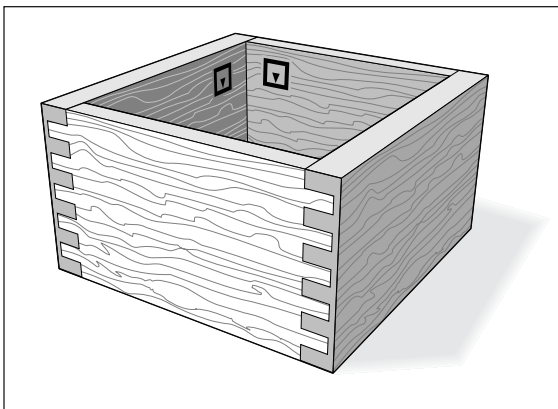



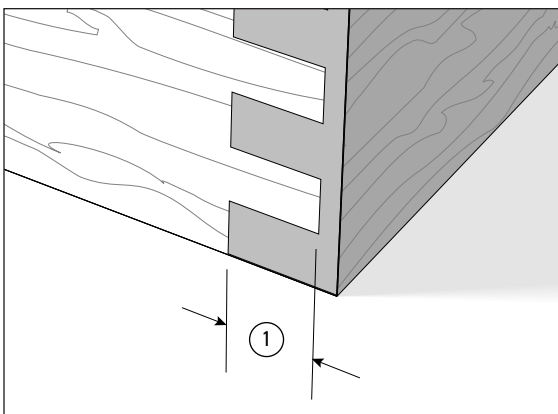
Square Half-Blind Box Joint Procedures





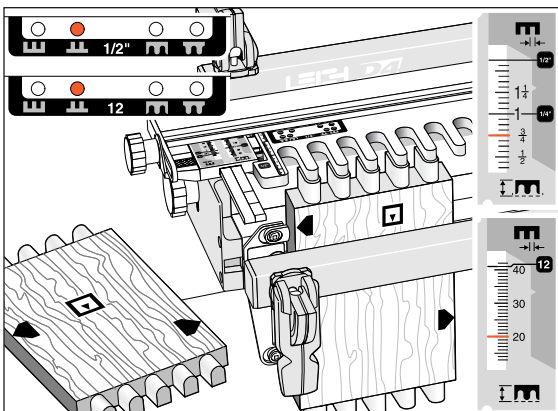
8-1 Square Half-Blind Joints

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. Because part of this joint is rounded, only the nominal size cutters may be used: $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", and $\frac{1}{2}$ " for inch joints; or 8, 10, and 12mm for metric joints. See page 97, appendix II for cutter selection.




8-2

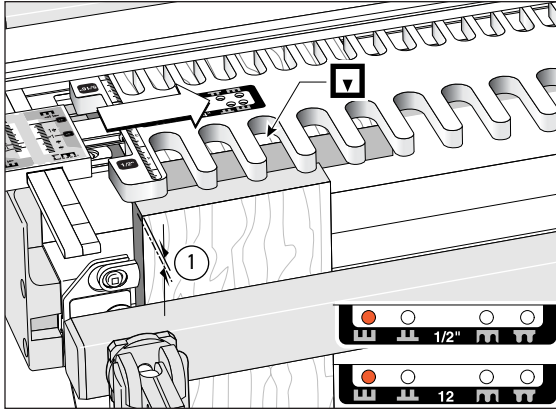
Set the depth of cut ① to about $\frac{1}{8}$ " [3mm] less than the drawer-front thickness.



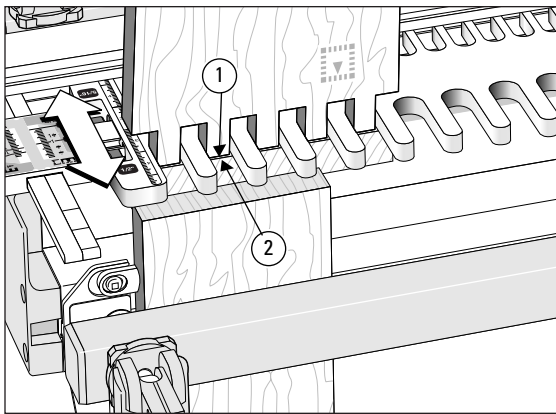
8-3

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

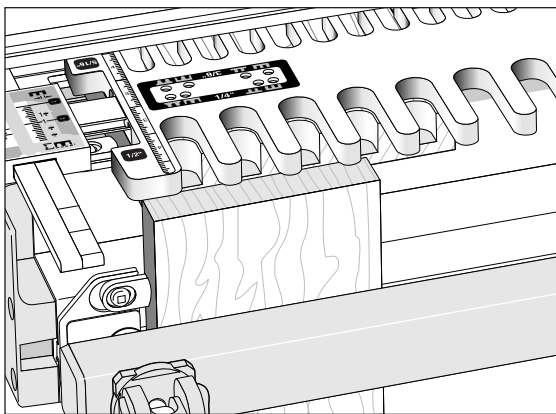
Chapter 8 F1 User Guide

**8-4**

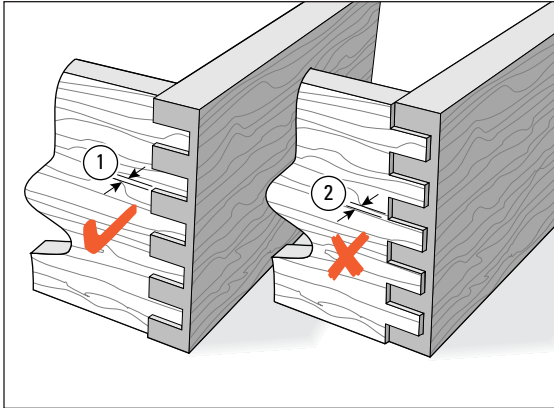
Set the template pin on **1**. Clamp a scrap piece vertically in the jig front with its top end slightly above the jig body **1**. Clamp a box front horizontally with the inside face **2** away from the jig body, and the front end edge against the scrap board.

**8-5**

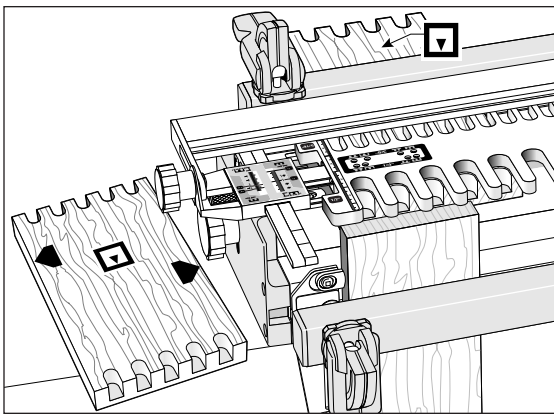
Place one of the routed box sides vertically through the template with the rounded part of the fingers in the rounded guide croches. Adjust the template so the front face of the side board **1** is $\frac{1}{16}$ " [1,5mm] in from the end edge of the box front **2**. Lock the scales on the same setting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

**8-6**

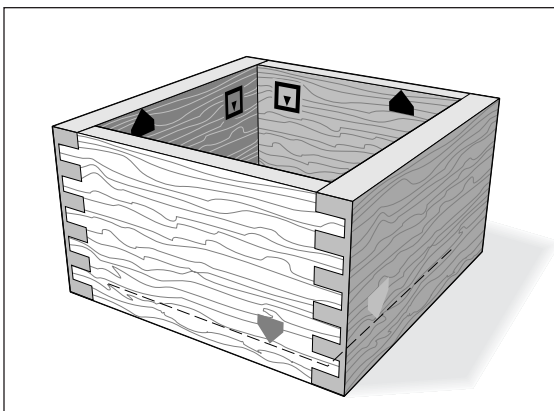
Route a test piece to test the grey scale setting and adjust the template in or out to produce the required flush fit.

**8-7**

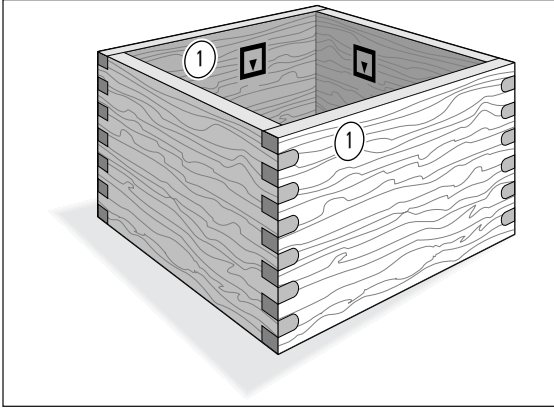
The drawer front pins should project through the side sockets by no more than $\frac{1}{64}$ " [0,25mm] for clean-up ①. If the sides project ②, adjust the template inward to suit.

**8-8**

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

**8-9**

Assemble and glue in the usual way.

**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.