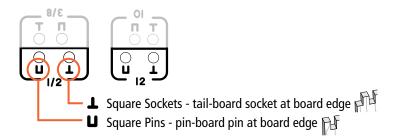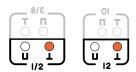*CHAPTER 3*

Operation Concept and Basic Template Functions

Template Modes

Template pin hole icons denote the type of joint and edge finish from each position.

⊥ Square Sockets - tail-board socket at board edge

⊔ Square Pins - pin-board pin at board edge

Throughout the manual, the proper pin location for each step is highlighted with red in an inset. Only the front (active) pinholes will be shown.
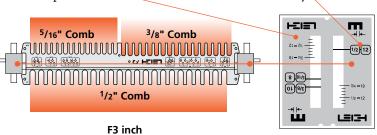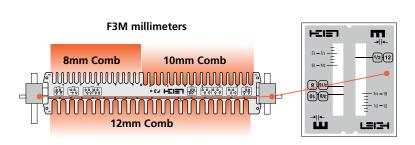
Scale Modes

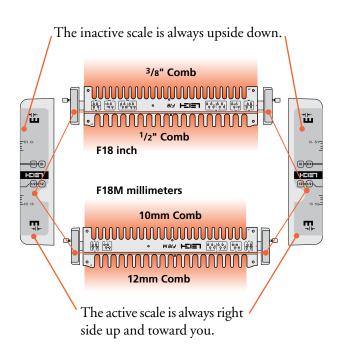Reading scales from directly overhead improves setting accuracy.

F3

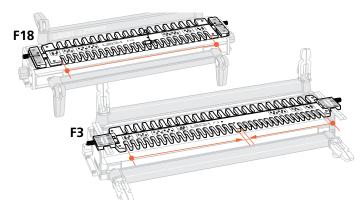The inactive scale is always on the left side of each scale assembly and is upside down.

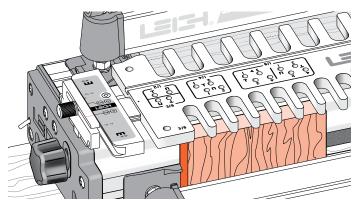The active scale is always on the right side of each scale assembly.

5/16" Comb   3/8" Comb

1/2" Comb

F3 inch

F3M millimeters

8mm Comb   10mm Comb

12mm Comb

F18 and F24

The inactive scale is always upside down.

3/8" Comb

1/2" Comb

F18 inch

F18M millimeters

10mm Comb

12mm Comb

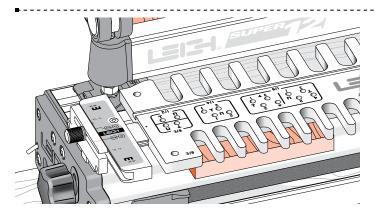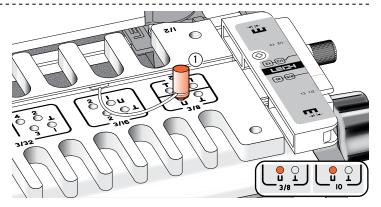The active scale is always right side up and toward you.

3-1 The *active* comb (the one you wish to use) is positioned toward you at the front of the jig. Depending on the Template model and comb size selected, the active comb may start at either the right, or left-hand side of the jig. **Combs that are the full width of the template always start at the left side.**
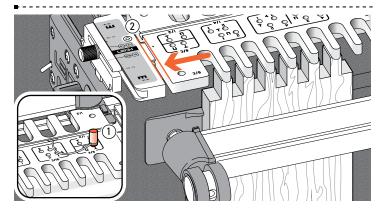
3-2 Clamp your work pieces against the front side stop or...
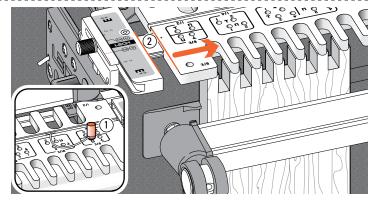
3-3 ...the mating rear side stop, depending on which procedure is to be used.

3-4 The template control pin engages the template to the template bar using precisely positioned holes ①. The active template pin holes are always at the opposite end of the template , out of the way of the router. Most illustrations will have an inset showing the correct template pin hole position for the procedure.

3-5 Mating joints routed under the same comb have to be offset to achieve correct joint alignment. On Leigh templates the offset is achieved by moving the template left or right by half the pitch of the comb. This movement is controlled by the template pin, at the other end of the template ①. *Note that the template is close to the scale* ②.

3-6 In this illustration, the template is moved to the right by half the comb pitch and positioned by the template pin ① to rout the mating half of the joint in 3-5. *Note the increased gap between the scale and template* ②. ◼