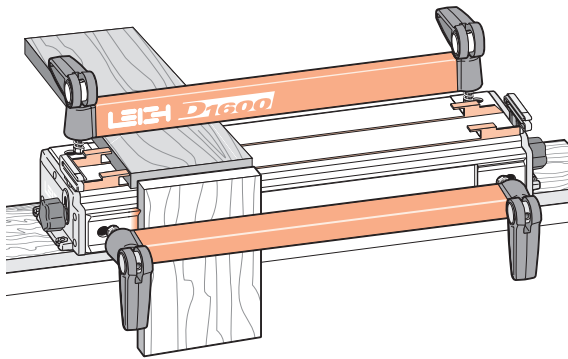


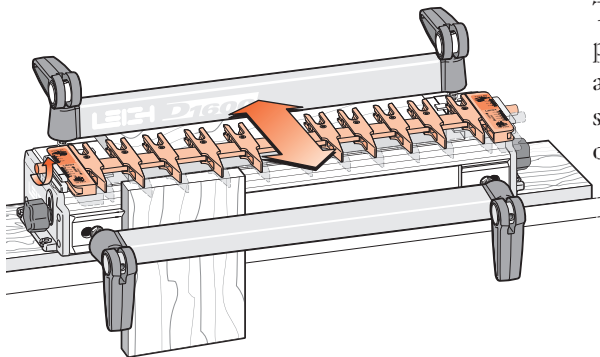
***D1600*** CHAPTER 4

# Operation Concepts and Basic Jig Functions

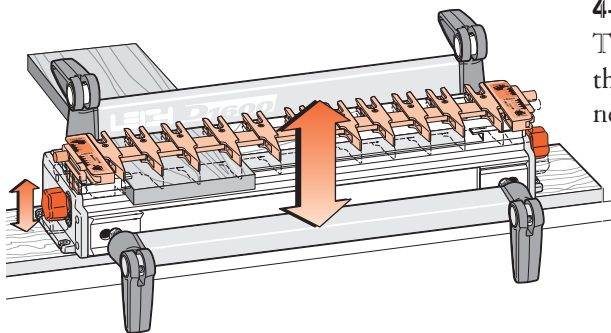


**4-1**

The two clamp bars hold workpieces horizontally or vertically. The side stops align the boards in the correct position each time.

**4-2**

The guidefinger assembly slides in the support brackets above the workpiece. The finger assembly is adjusted in or out using calibrated scales on each end to suit different thicknesses of vertical boards.

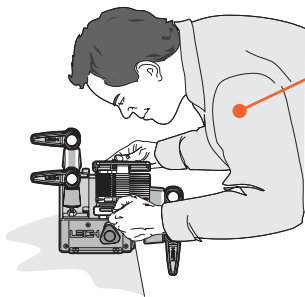
**4-3**

The finger assembly is raised or lowered using the support brackets to suit different thicknesses of horizontal boards.

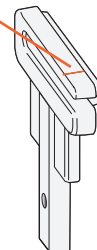
### THE FOUR SCALE MODES

The Finger Assembly attaches to the support brackets in four different modes to match the type of joint you are cutting.

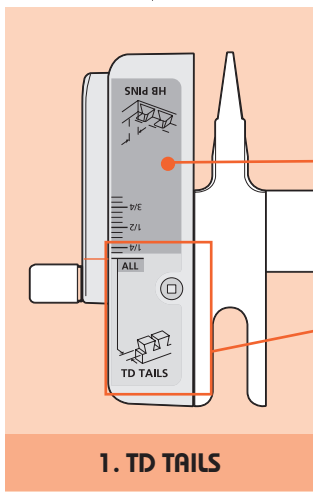
This line is for the finger assembly scales. The line is illustrated in red for clarity in this manual, but is black on the jig.



Reading scales from directly above helps sight the lines accurately.



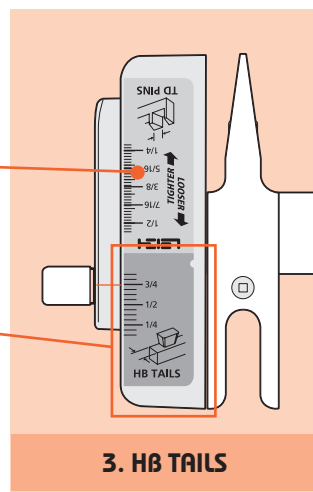
*Note: Inch scales are shown here. Millimetre scales have similar layouts.*



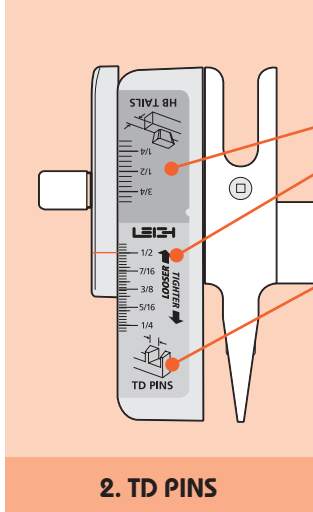
1. TD TAILS

The inactive scale is always on the rear of each scale assembly and is upside-down.

The active scale is always on the front of each scale assembly.



3. HB TAILS



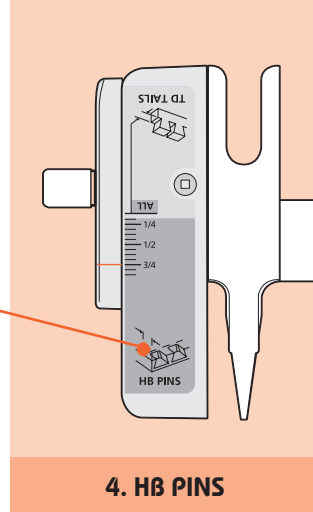
2. TD PINS

#### Scales are colour coded.

- Green: Half-Blind Dovetails.
- Silver: Through Dovetails.


Each scale has its own mode icon (a drawing of the joint part made in that mode).

*The specific settings for each scale are fully described in the appropriate chapters.*



4. HB PINS

**CONCEPT OF JIG OPERATION – THROUGH DOVETAILS**

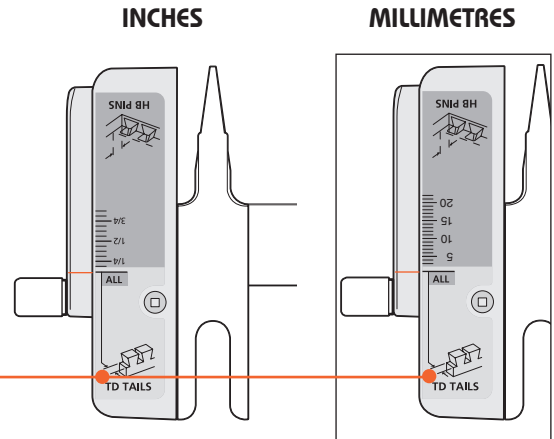
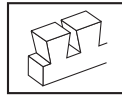
Start with the Finger Assembly in the  TD TAIL mode and follow these steps on your jig. Grasping the simple basic concept of operation will now greatly assist you in understanding the instructions. *Note that the active guide surface (against which the guidebush runs) is indicated in red in these illustrations.*

# 1

Start at  
**THROUGH DOVETAIL  
TAILS (TD TAILS) mode**

**MODE ICONS**

Each illustration in this manual includes the correct *mode* icon for its current instruction. Icons are also used in the text.

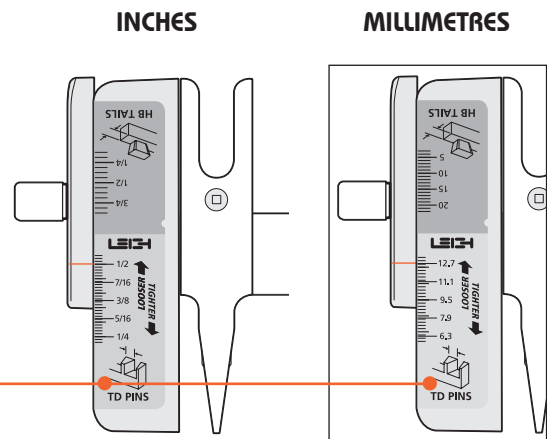
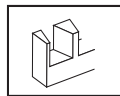


# 2

**ROTATE** the finger assembly toward you 180°

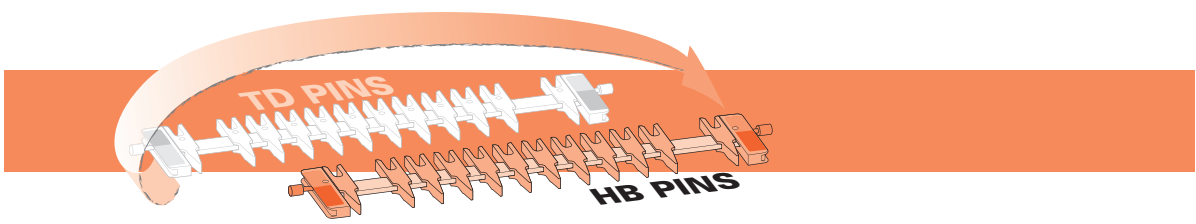
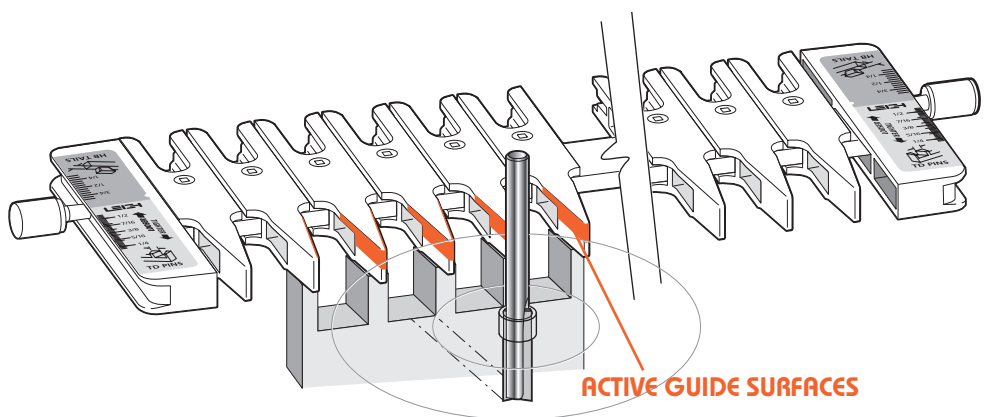
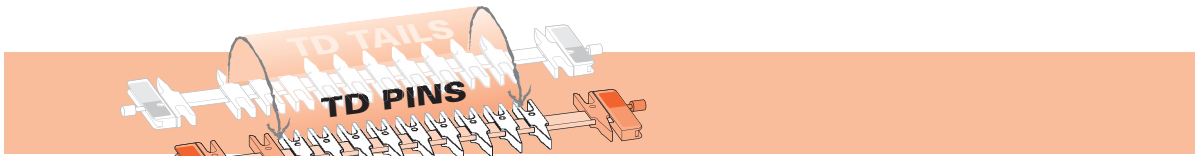
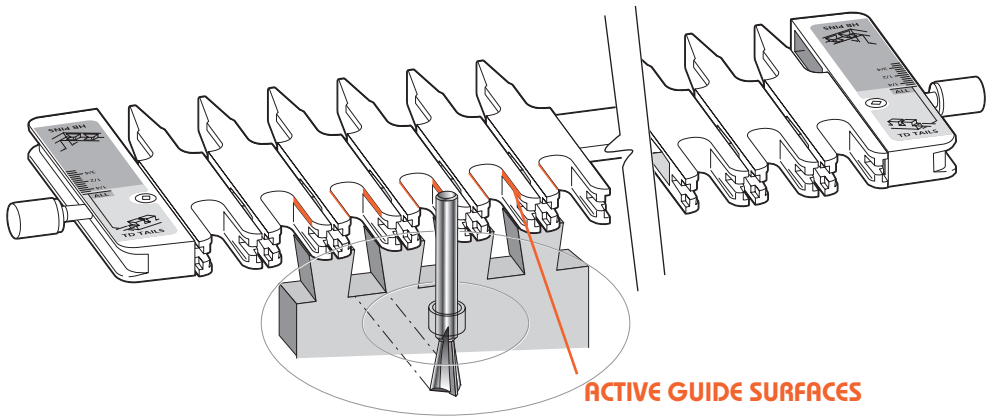
# 3

Now the Finger Assembly is in  
**THROUGH DOVETAIL  
PINS (TD PINS) mode**



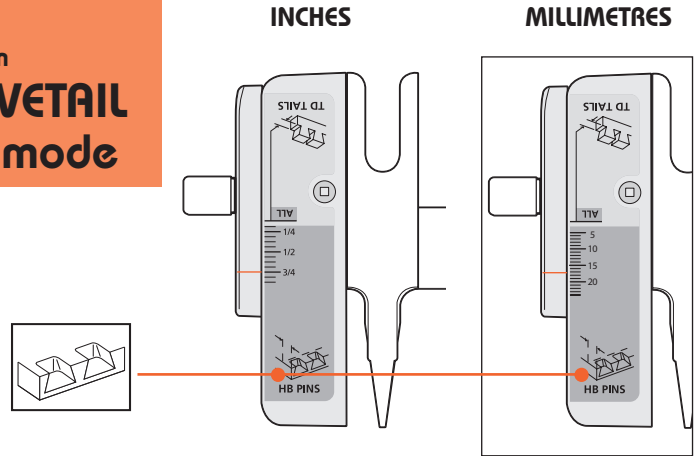
# 4

**FLIP** the Finger Assembly end-over-end 180° (to Half-Blind Dovetail Pins, overleaf)



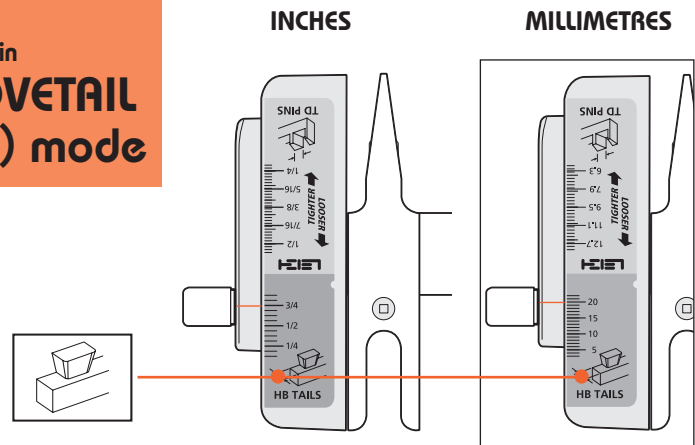
CONCEPT OF JIG OPERATION – HALF-BLIND DOVETAILS

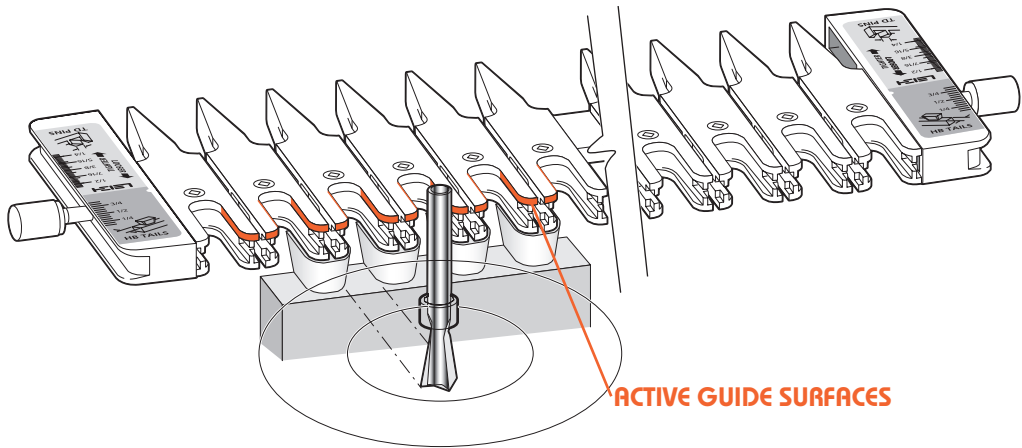
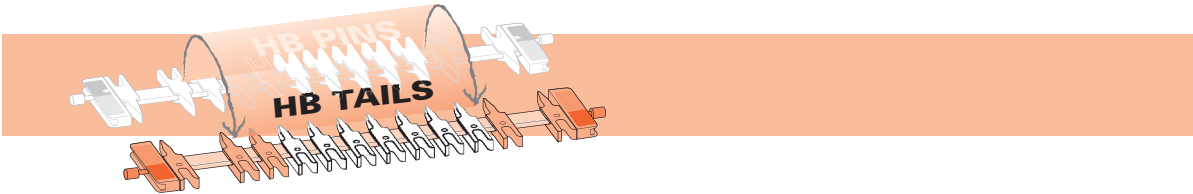
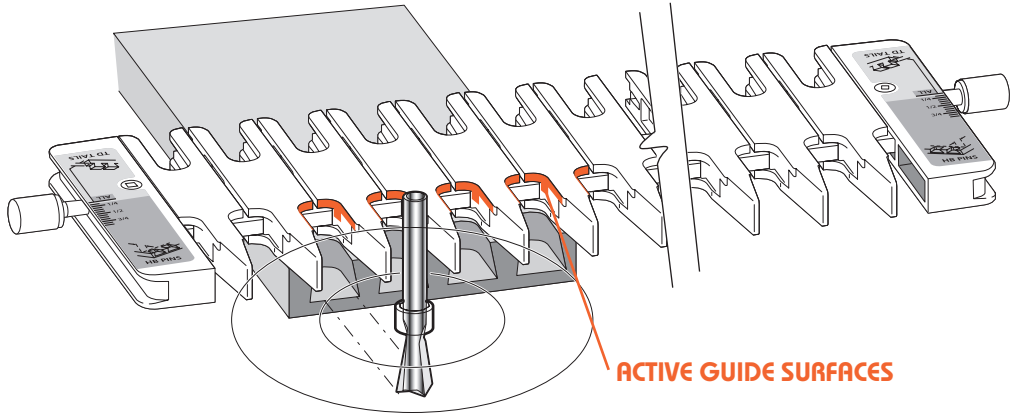
**5** Now the Finger Assembly is in **HALF-BLIND DOVETAIL PINS (HB PINS) mode**



**6** **ROTATE** the finger assembly toward you 180°

**7** Now the Finger Assembly is in **HALF-BLIND DOVETAIL TAILS (HB TAILS) mode**



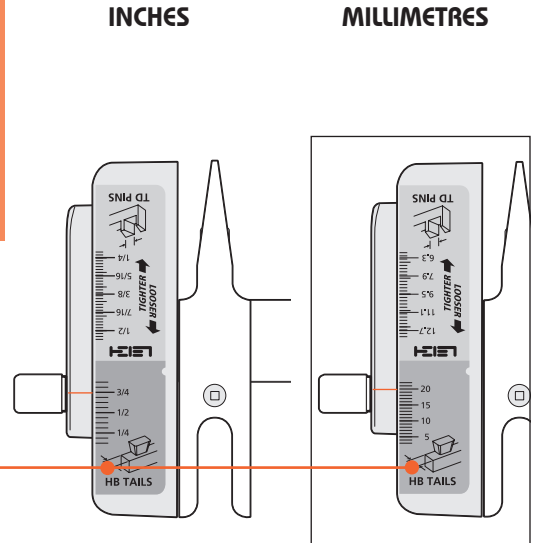
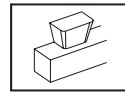


**CONCEPT OF JIG OPERATION - SLIDING DOVETAIL JOINTS**

The HB TAILS mode is also used with the cross-cut fence to cut sliding dovetail joints.

**8** With the Finger Assembly in **HALF-BLIND DOVETAIL TAILS (HB TAILS) mode**, install the cross-cut fence

Sliding Dovetail slots are cut across the board face.



**9** **KEEP** the finger assembly in the same mode

**10** Sliding Dovetail tails are cut across the board end edge

