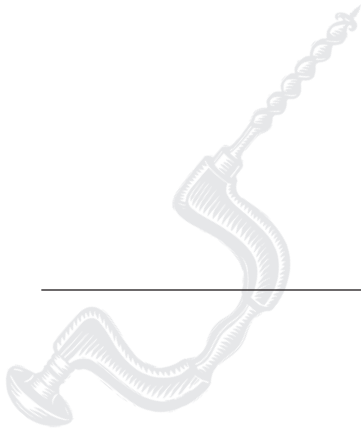
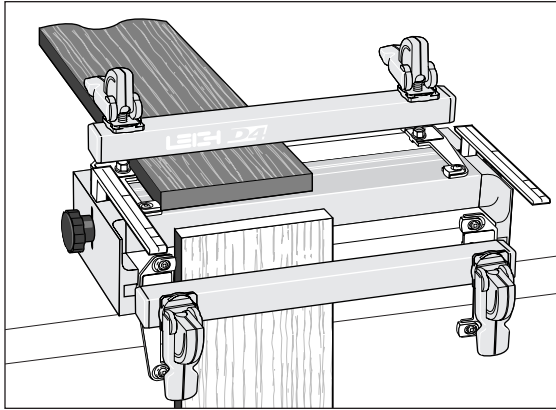


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# Operation Concepts and Basic Jig Functions

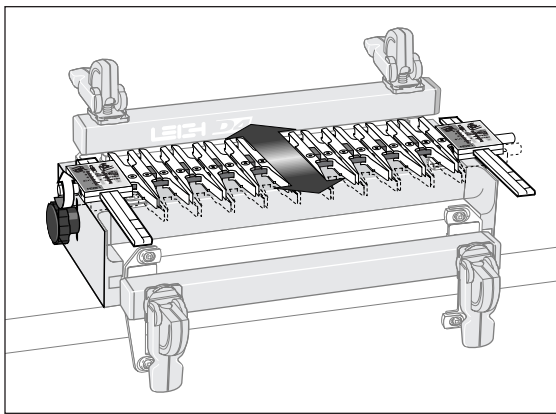


Chapter 4 D4 User Guide



4-1

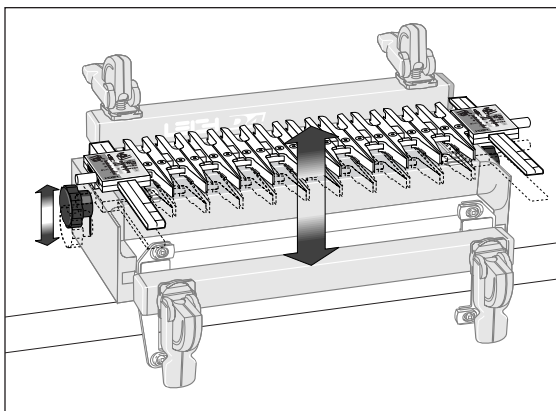
The two clamp bars hold workpieces horizontally or vertically. The side stops align the boards in the same position each time.



4-2

The guidefinger assembly slides on to 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.

**Note:** The single rear indicator line on each support bracket is the only mark used in this guide. The front three lines are for the (optional) multiple mortise & tenon attachment.



4-3

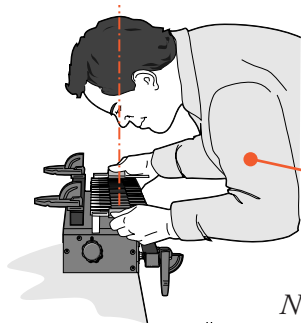
The finger assembly is raised or lowered using the support brackets to suit different thicknesses of horizontal boards.

### THE FOUR SCALE MODES

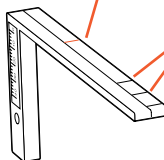
The Finger Assembly attaches to the support brackets in four different modes to match the type of joint you are cutting.

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

These three lines are used only with the optional multiple mortise & tenon attachment.



Always read scales from directly overhead to avoid parallax problems.



*Note: Inch scales are shown here. Millimetre scales have identical layout.*

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

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

**1. TD TAILS**

**3. HB TAILS**

**2. TD PINS**

**4. HB PINS**


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

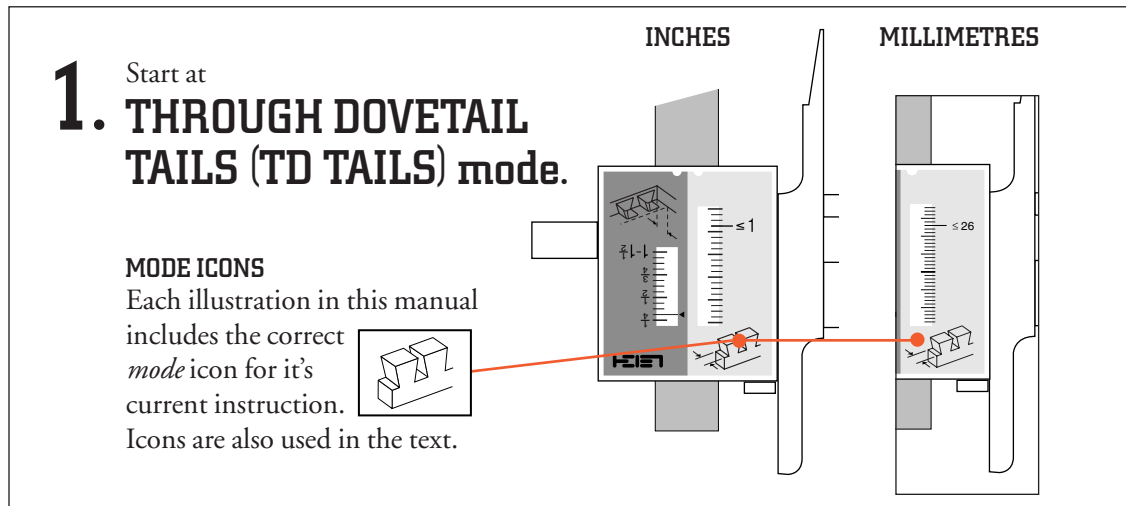
Scales are colour coded.  
 Silver background for Through Dovetails.  
 Green background for Half-Blind Dovetails.

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

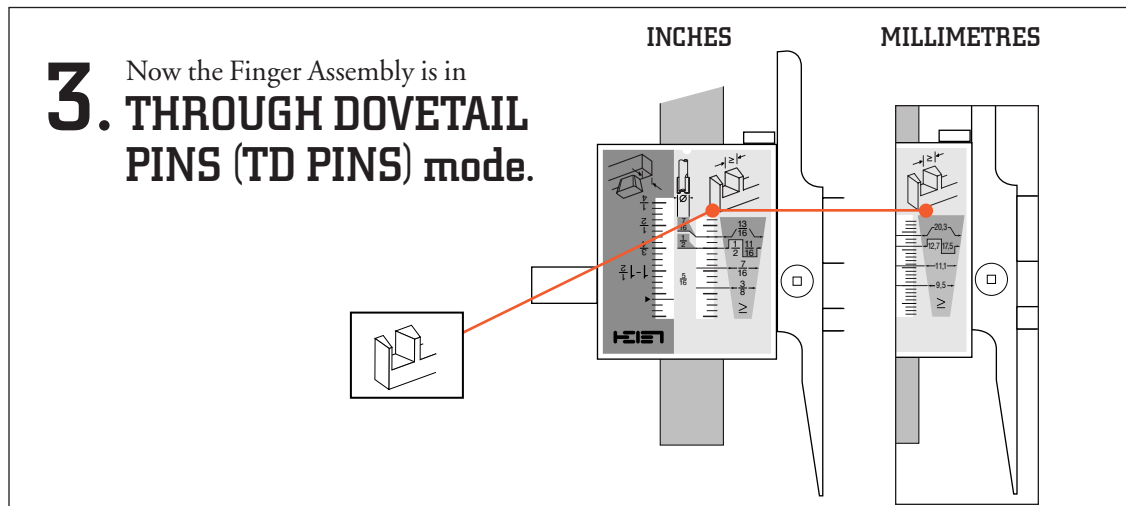
## Chapter 4 D4 User Guide

**CONCEPT OF JIG OPERATION – THROUGH DOVETAILED**

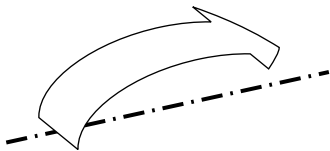
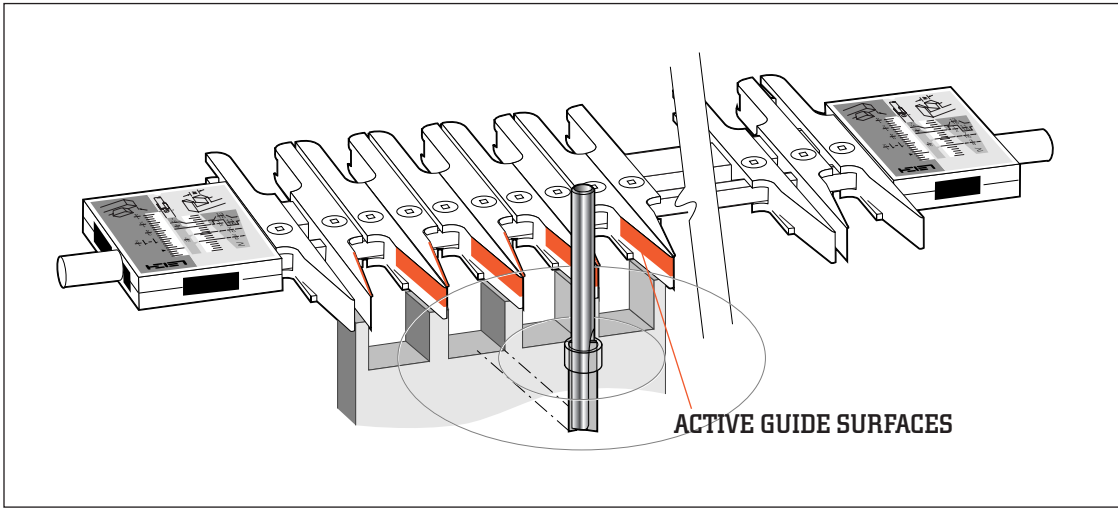
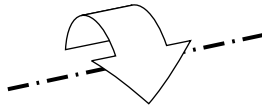
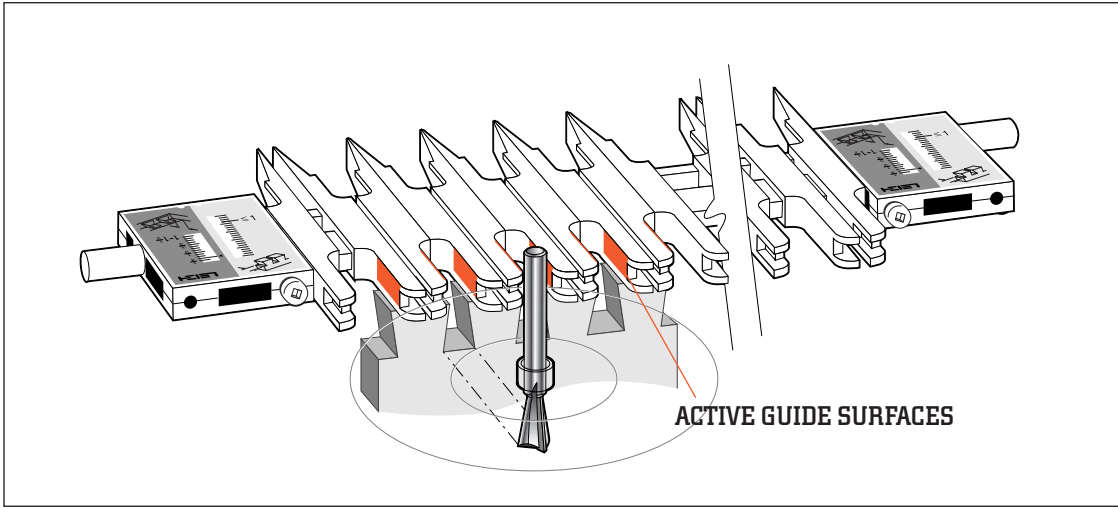
Start with the Finger Assembly in the  TD TAIL mode and follow these steps on your jig. Grasping the simple basic concept of operation will greatly assist you in understanding the instructions. *Note that the active guide surface (against which the guidebush runs) is indicated in red in the illustrations.*



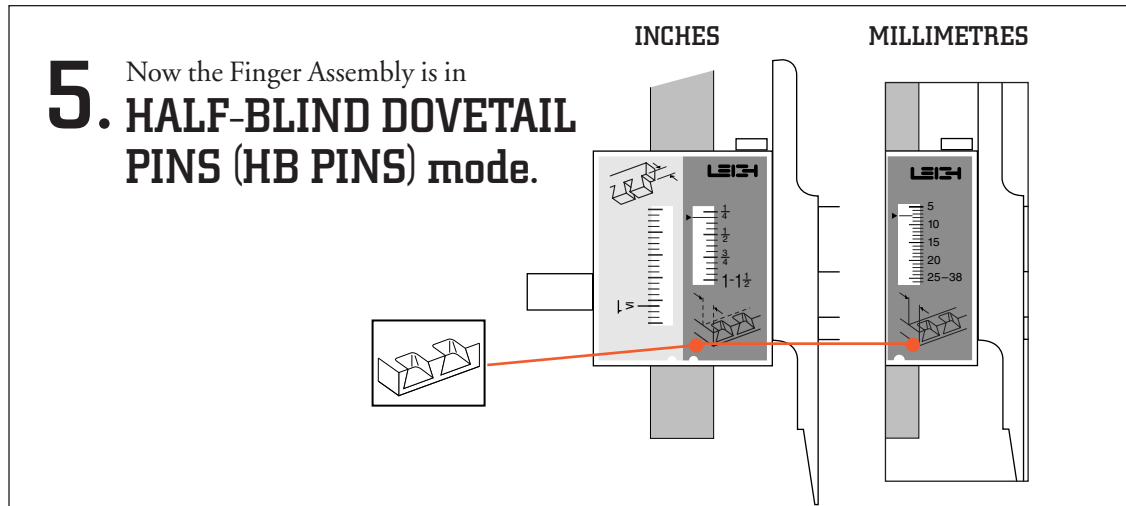
**2. ROTATE**  
Rotate the finger assembly toward you 180°.



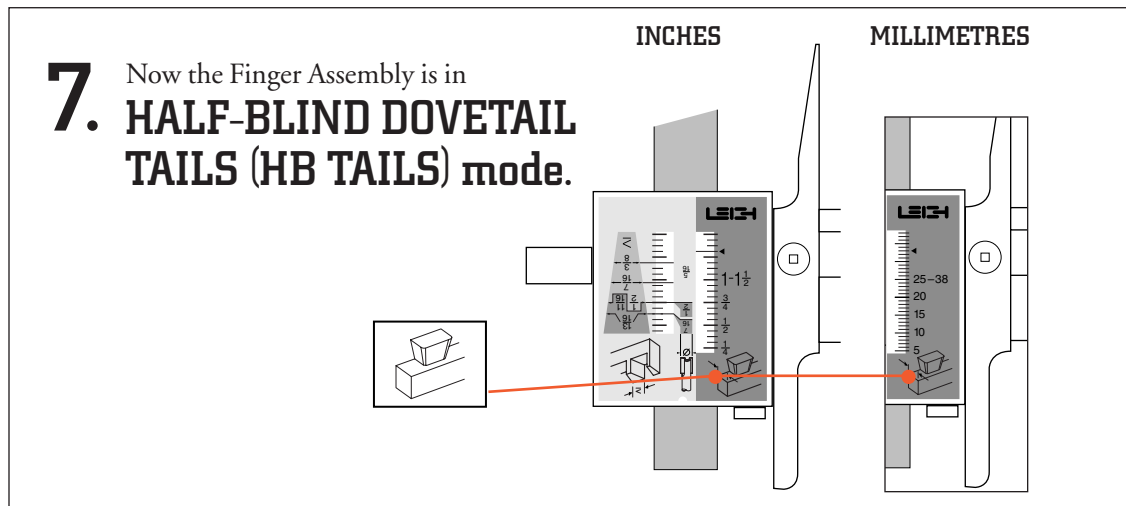
**4. FLIP**  
Flip the Finger Assembly end-over-end 180°  
(to Half-Blind Dovetail Pins, Page 30)

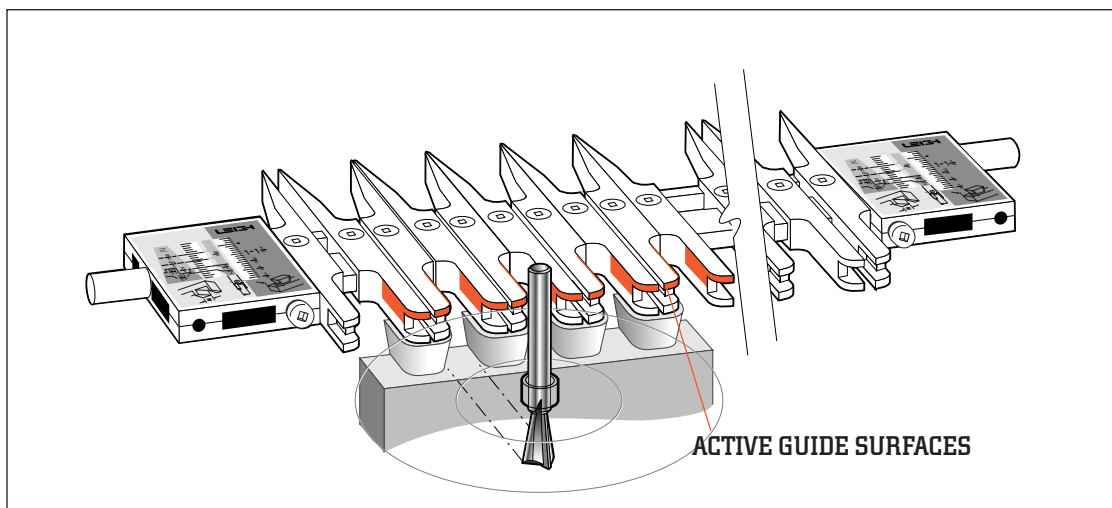
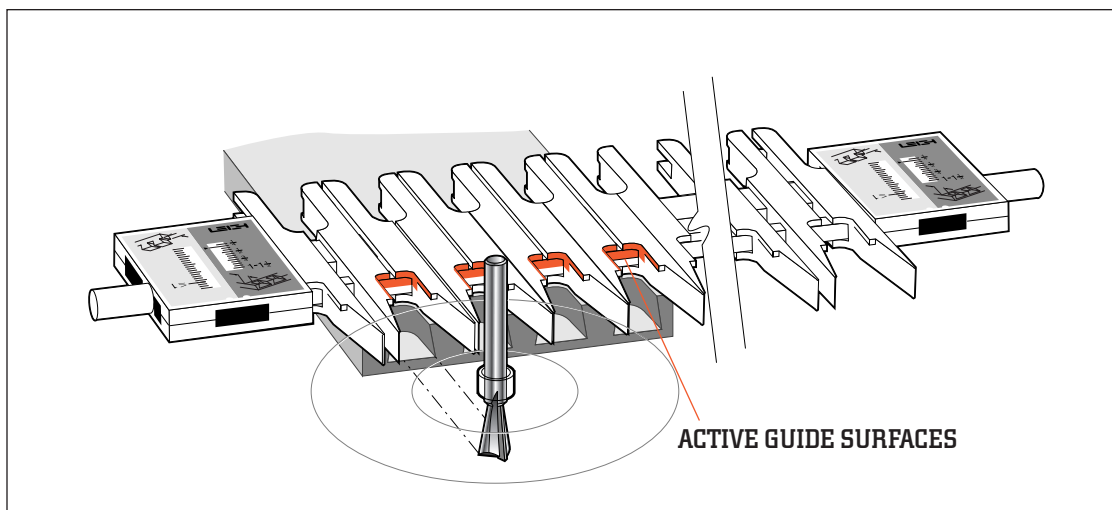


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CONCEPT OF JIG OPERATION – **HALF-BLIND DOVETAILS**

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

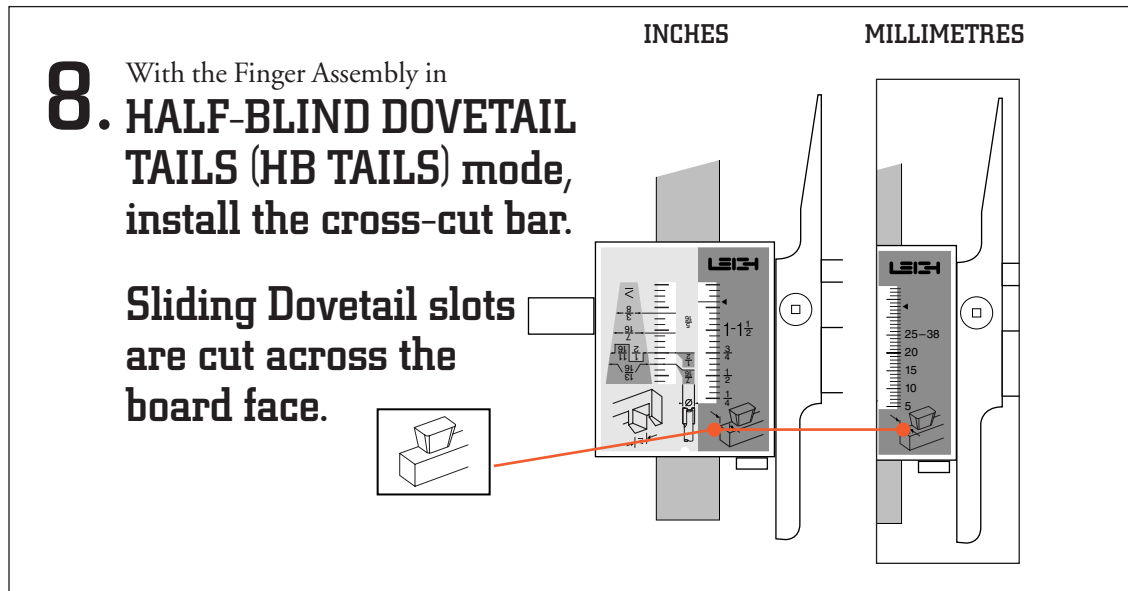




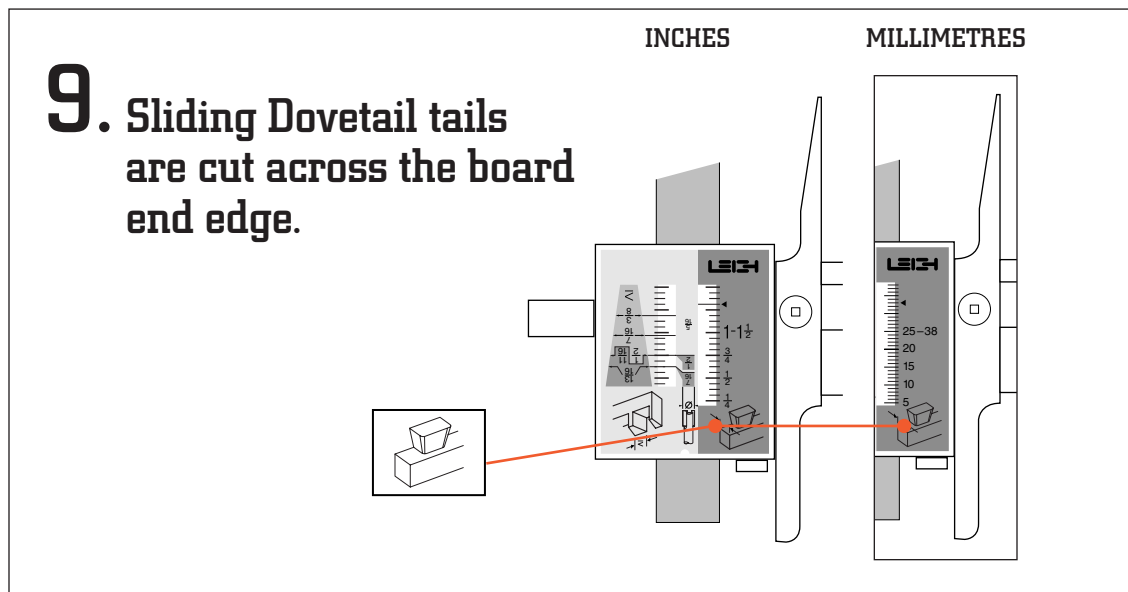
## Chapter 4 D4 User Guide

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

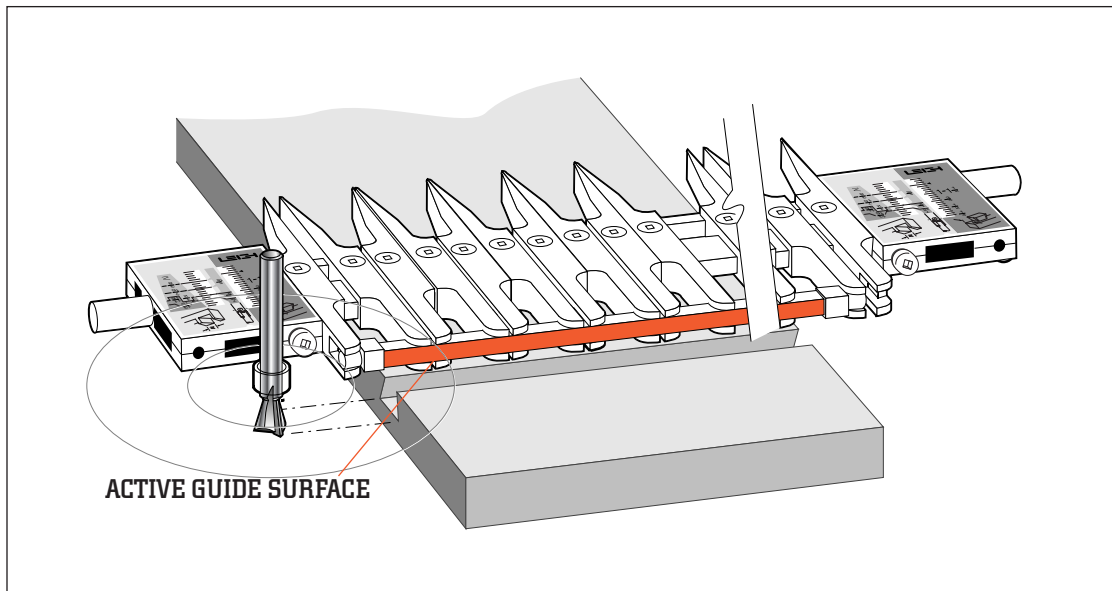
The HB TAILS mode is also used with the cross-cut bar to cut sliding dovetail joints.



**Keep the finger assembly**







**in the same mode.**

