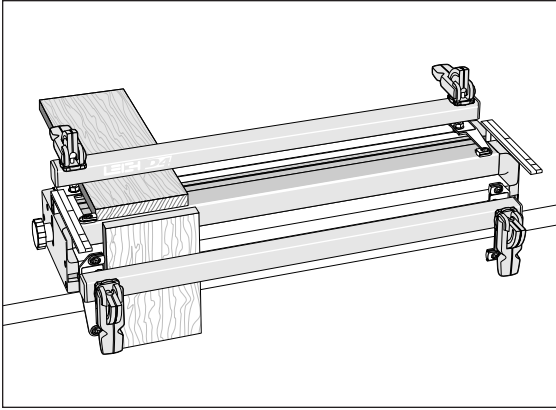
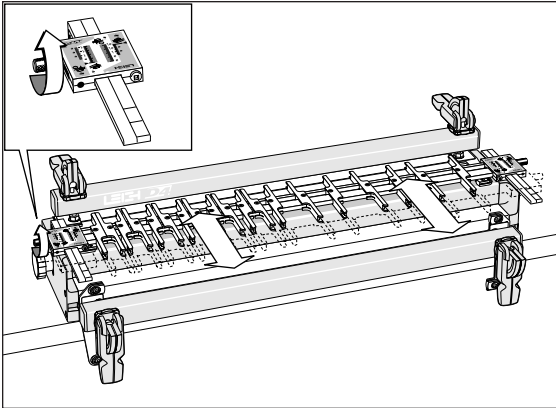


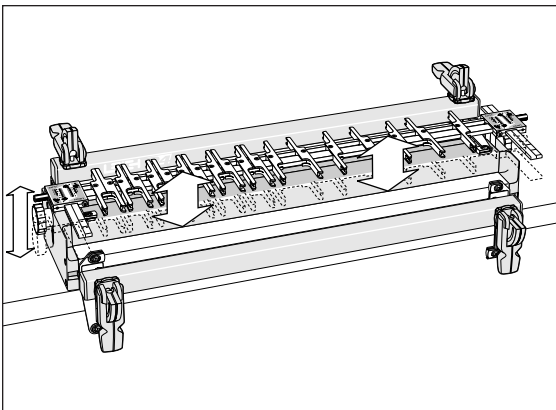
# **Basic Jig Functions**

**5-1**

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

**5-2**

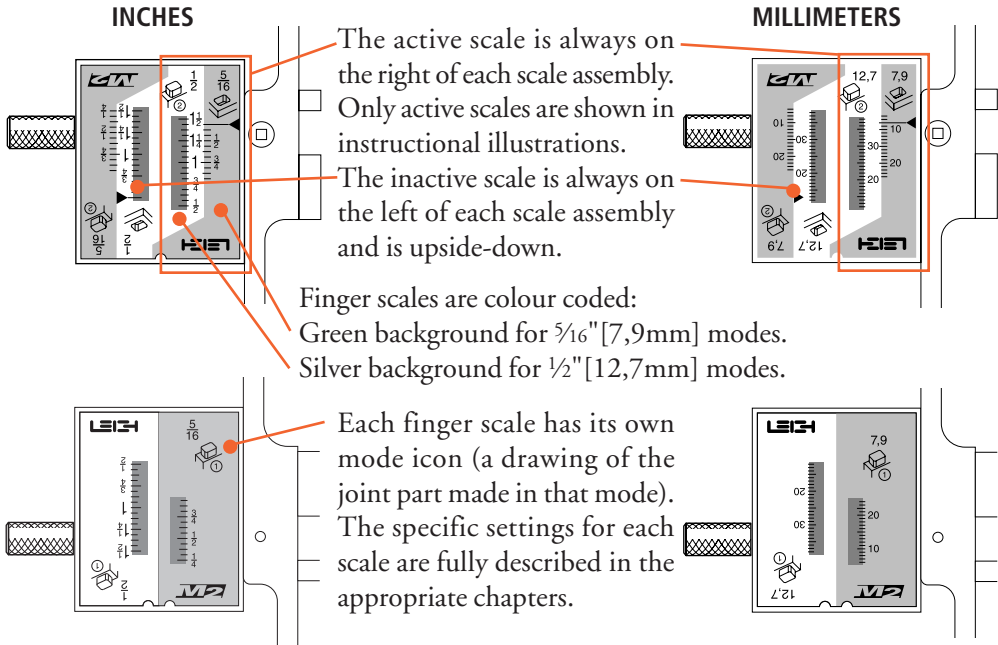
The guidefinger assembly slides on to the support brackets above the workpiece. The finger assembly is adjusted in or out using calibrated scales on each end to suit different mortise and tenon sizes. Note: The single rear indicator line on each support bracket is for the finger assembly. The front three lines are for the fence.

**5-3**

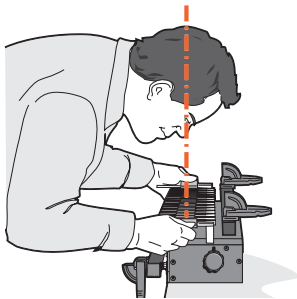
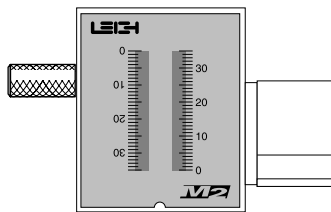
The finger assembly is raised or lowered using the support brackets to suit different thicknesses of horizontal boards.

## THE SCALE MODES

The Finger Assembly attaches to the support brackets in different modes to match the type of joint you are cutting. Your jig will include either inch or millimetre scales as ordered.



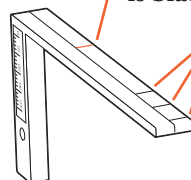
The Fence scales are solid green.  
The ruler increments are arbitrary and used simply for fence parallel alignment.



Always read scales from directly overhead to avoid parallax problems.

### THE SUPPORT BRACKETS


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

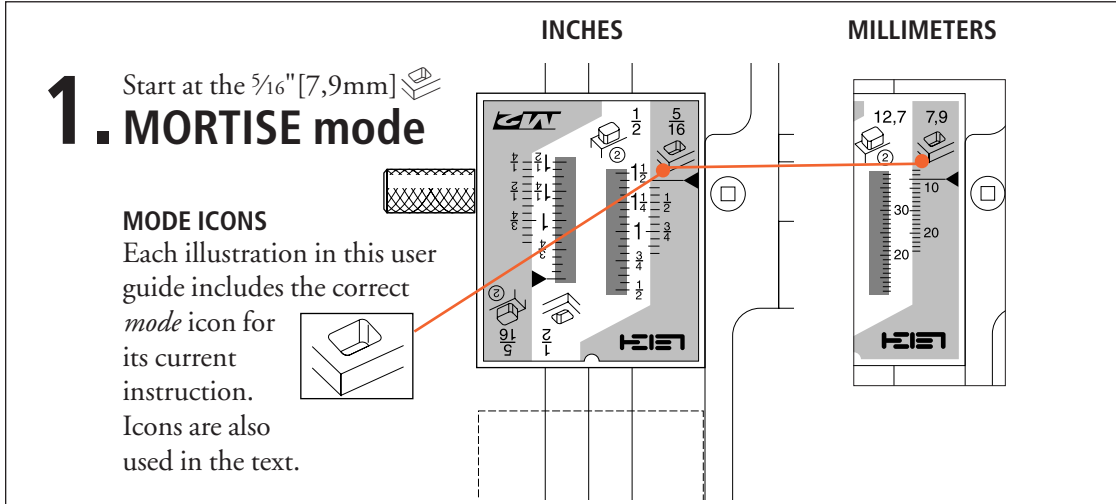


These three lines are used only for setting the fence scales. The lines only show through the active scales.

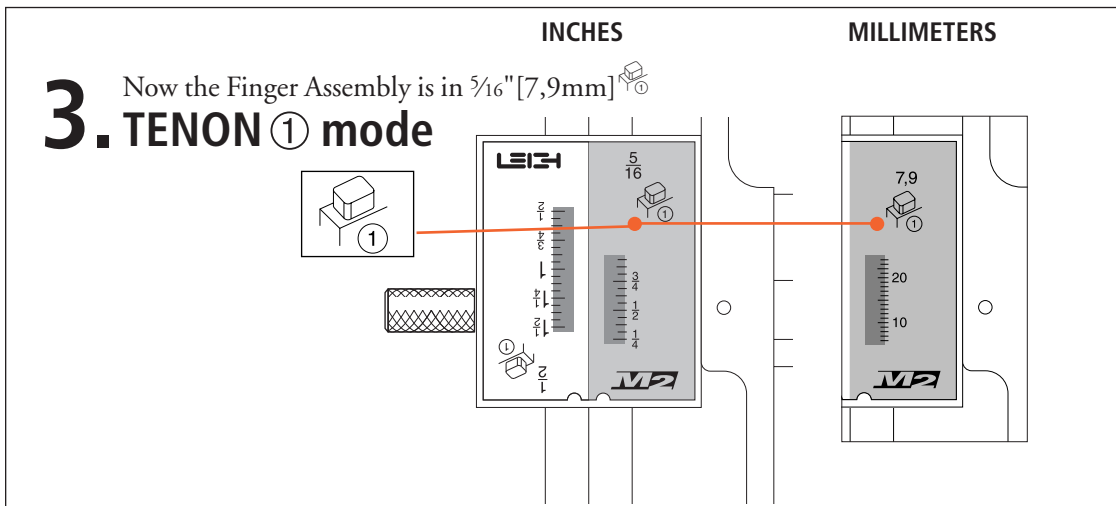
## Chapter 5 M2 User Guide

**CONCEPT OF OPERATION**

These illustrations show modes for  $\frac{5}{16}$ " [7,9mm] cutter. Start with the Finger Assembly in the  $\frac{5}{16}$ " [7,9mm]  mortise mode and without wood or router, follow these steps on your jig as a dry run. Grasping the simple basic concept of operation will greatly assist you in understanding the instructions. *Note: active guide surfaces (against which the guidebush runs) are illustrated in red.*

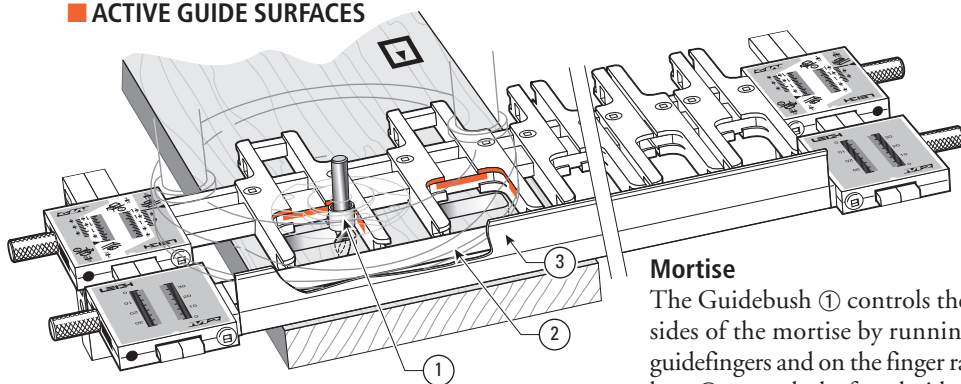
**2. ROTATE**

Remove fence and rotate the finger assembly toward you 180°

**4. FLIP**

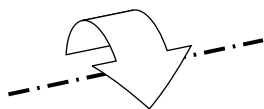
Flip the finger assembly end-over-end 180°

### ACTIVE GUIDE SURFACES

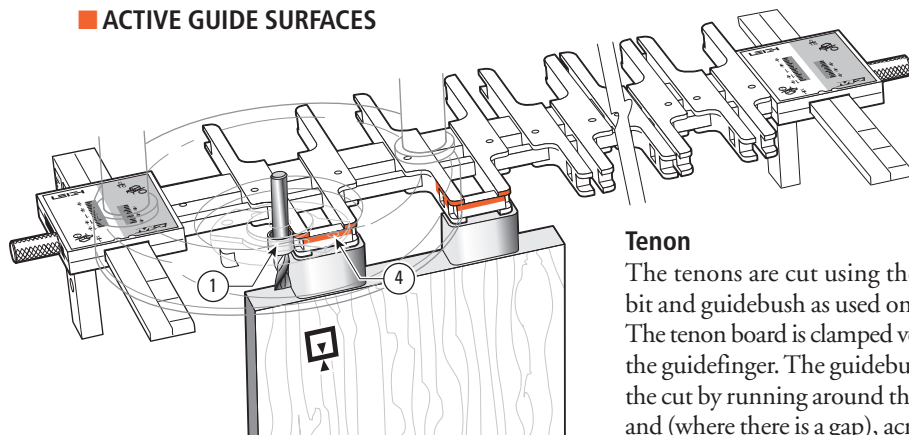


#### Mortise

The Guidebush ① controls the cut on three sides of the mortise by running on a pair of guidefingers and on the finger rail. The router base ② controls the fourth side of the mortise by running on the inside of the mortise fence ③. The mortise board is clamped horizontally under the guidefingers.

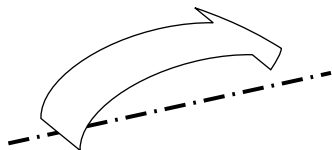


### ACTIVE GUIDE SURFACES



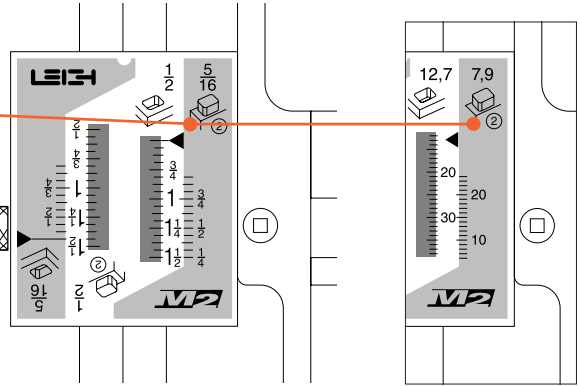
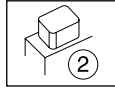
#### Tenon

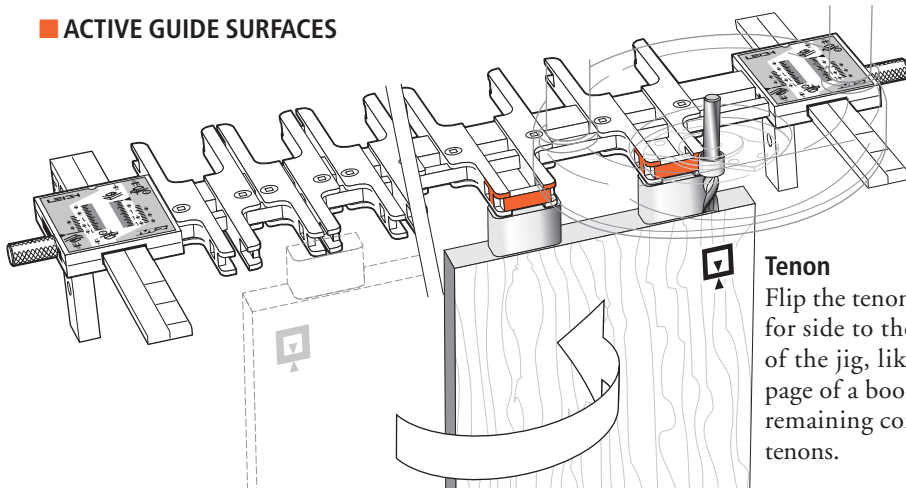
The tenons are cut using the same router bit and guidebush as used on the mortises. The tenon board is clamped vertically under the guidefinger. The guidebush ① controls the cut by running around the guidefingers and (where there is a gap), across the bridge pieces ④.



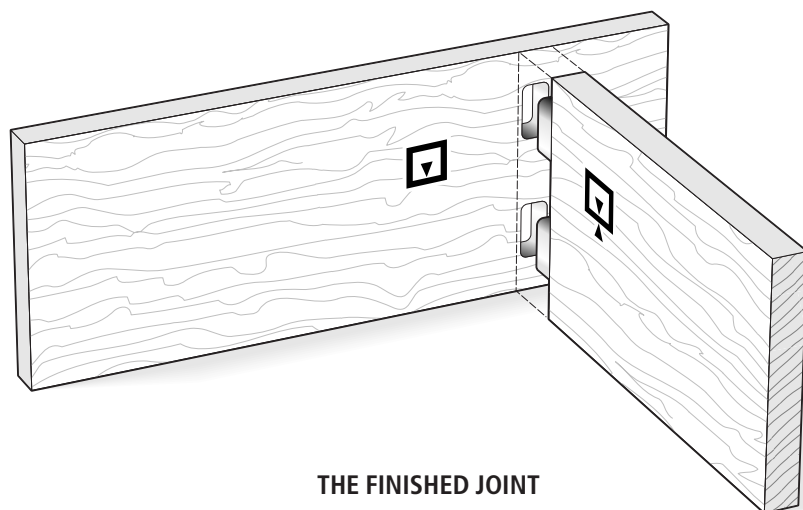
## CONCEPT OF OPERATION

# 5. Finish in $\frac{5}{16}$ " [7,9mm] mode



**ACTIVE GUIDE SURFACES****Tenon**

Flip the tenon board side for side to the other end of the jig, like turning a page of a book. Rout the remaining corners of the tenons.

**THE FINISHED JOINT**