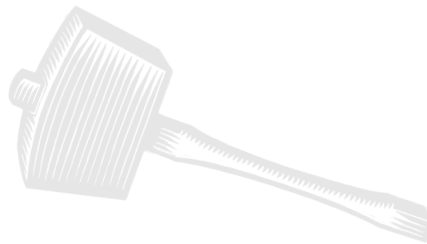
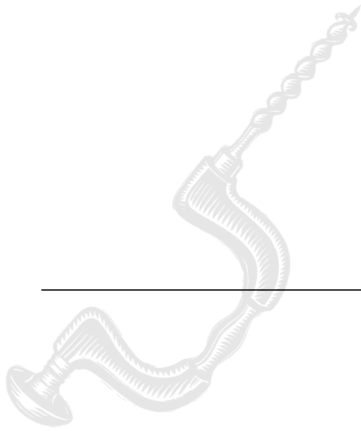


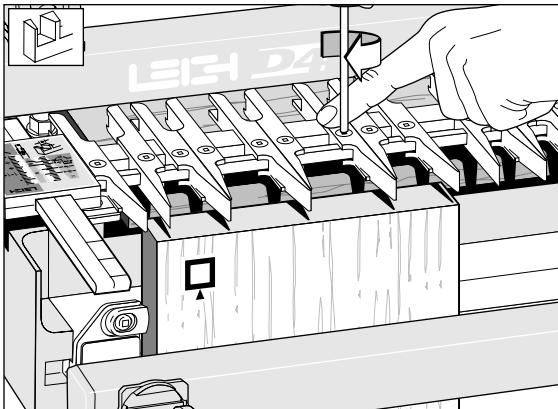
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# Quick Reference Through Dovetails

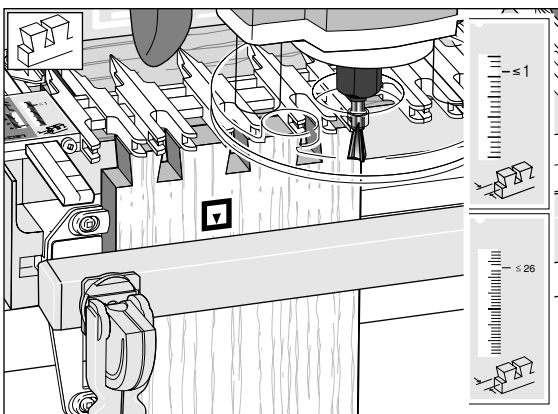


**Chapter Foreword**

You haven't used the jig for a while and just need reminding of the basics. Here they are for Through Dovetails.

**15-1**

Through dovetails are laid out in the TD PINS mode with the finger assembly slightly raised above the spacer board and the pin board. The outside face of the TD pins is away from the jig body.

**15-2**

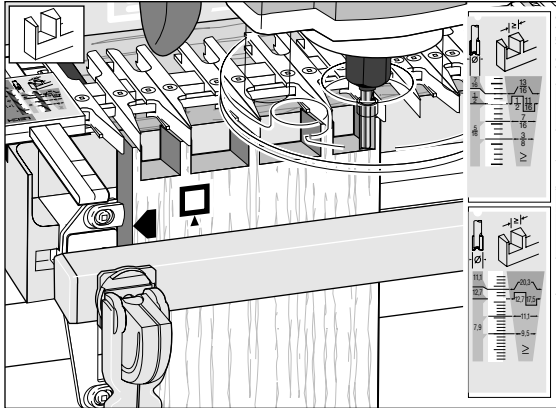
TD tail boards are clamped vertically in the jig. The inside face of the TD tails is away from the jig body. The finger assembly is in the TD TAILS mode, set on the single  $\leq 1''$  [ $\leq 26\text{mm}$ ] setting. There is only one setting in this mode.

**15-3**

Through dovetail tails are always cut with an  $8^\circ$  dovetail cutter to match the  $8^\circ$  guide-finger.

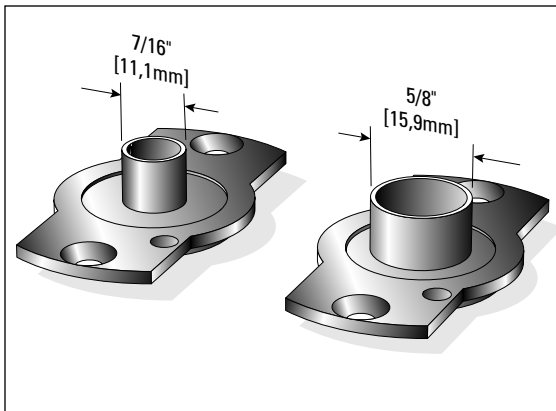
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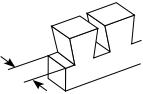
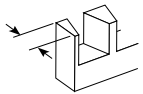


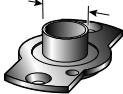
**15-4**

Clamp TD pin boards vertically in the jig. **This is the only one of the four main modes that puts the outside face □ of the board away from the jig body.** The finger assembly is in the TD PINS mode, with the scale set to a recorded setting (see detailed instructions to fit on pages 61 and 65). TD pins are cut with a straight cutter; **the only time a straight cutter is used in dovetailing.**



**15-5**

Guidebushes: When routing through dovetails with a 1/4" [6,35mm] or 8mm shank cutter, use a 7/16" [11,1mm] guidebush. The two large dovetail cutter combinations with 1/2" [12,7mm] shanks require 5/8" [15,9mm] guidebushes. So space the guidefingers at least 3/16" [5mm] apart (use the Leigh wrench) to accommodate the larger guidebush.

 Thickness of Tail Board	 Thickness of Pin Board	 Dovetail Cutter	 Straight Cutter	 Guidebush Diameter
up to 1" [26]	1" - 1 1/4" [26-32]	No.100	No.150	5/8" [15,9]
up to 1" [26]	5/8" - 1" [16-26]	No.90	No.160	5/8" [15,9]
up to 1" [26]	1/2" - 13/16" [12-20]	No.80	No.140	7/16" [11,1]
up to 1" [26]	3/8" - 5/8" [10-16]	No.75	No.140	7/16" [11,1]
up to 1" [26]	1/4" - 1/2" [6-13]	No.70	No.140	7/16" [11,1]
up to 1" [26]	up to 3/8" [10]	No.60	No.140	7/16" [11,1]
up to 1" [26]	up to 1/4" [6]	No.50	No.140	7/16" [11,1]

Numbers in brackets are millimetres

**15-6**

Here is a quick reference selection chart for through dovetail cutters and guidebushes. Please study the cutter and guidebush selection appendices for a full explanation.

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