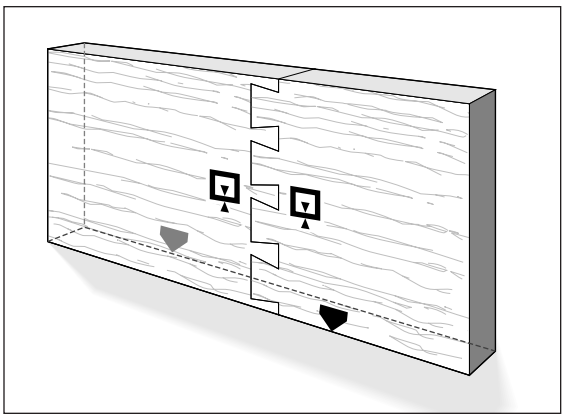
CHAPTER 12

End-On-End Dovetails

Chapter Foreword

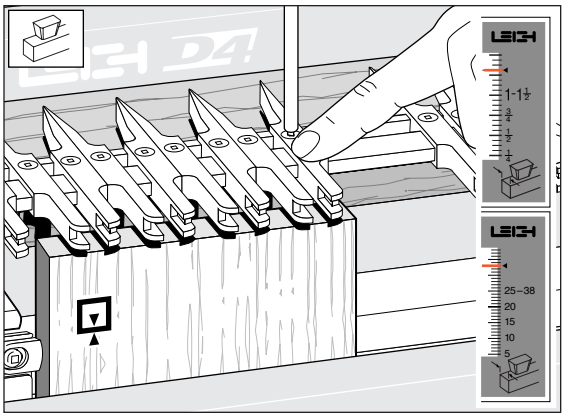
While you have the router set up for half-blind dovetails, it is a good time to try end-on-end dovetails.

If you have not yet routed half-blind dovetails or read through chapter 10, please do so now before attempting end-on-end dovetails.

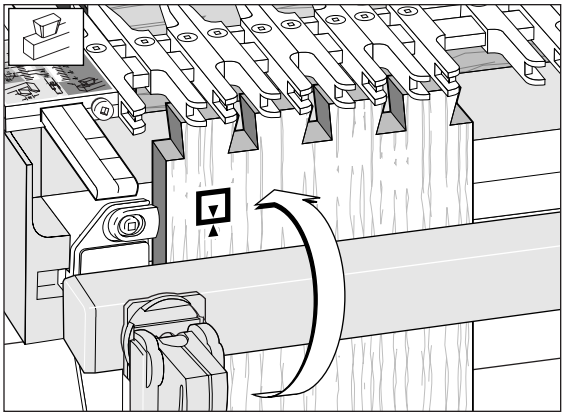


12-1
End-on-end dovetails are made in the same modes as half-blind joints, *but both boards are routed vertically in the front clamp,* alternately face side in and then face side out ⊡. Boards for end-on-end joints may be up to ¾"[20mm] thick.

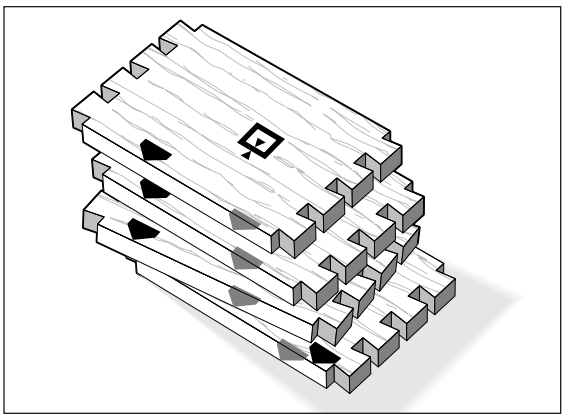
Use only the guidebush, dovetail cutters and depths of cut as specified in 10-2 on page 77.



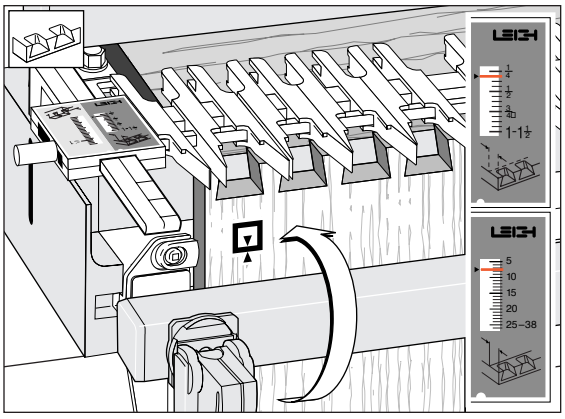
12-2
The end-on-end dovetail is laid out in the HB TAILS mode. There is a special mark on the scale for end-on-end dovetails. *Align the support bracket line with the small arrow as shown.* Adjust the guidefingers as required.



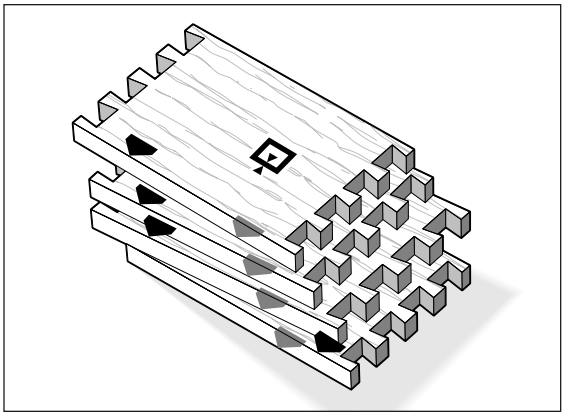
12-3
Rout the tails. Clamp end-on-end dovetail boards in the jig for routing one end face side in and one end face side out. *Keep the same edge against the side stop for both ends.*



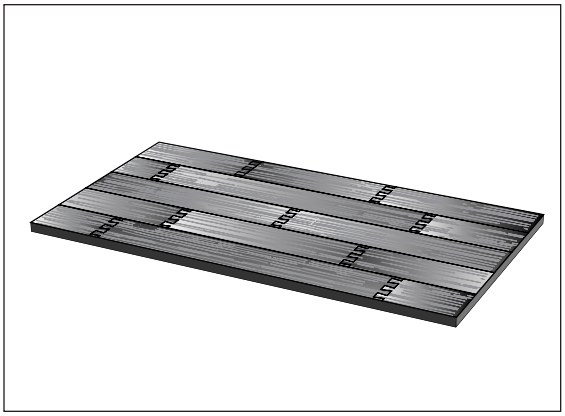
12-4
Rout the tails on each end of the tail boards.



12-5
Rotate the finger assembly to the HB PINS mode and again **set it on the small scale arrow.** This setting will give maximum pin thickness (¾"[20mm]). Rout the **pins** on each end of the pin boards. **Keep the same edge against the sidestop for both ends.**
Note: The illustration shows narrow pins (now looking like narrow tails), but remember the guidefingers can easily be adjusted to produce even-sized tails and pins if you prefer.



12-6
Always assemble end-on-end joints keeping the edges of the boards that were against the side stop all in line.



12-7 Applications for End-on-End Dovetails
As one example, you can make a flat, stable, and attractive chest lid by edge-jointing end-on-end dovetailed boards.

Chapter 12 D4 User Guide