

## Dovetail fixture setup

1. For ½" dove tails the width of board should be in even 1" increments to ¼" more.
2. Cut length of boards to-
  - A. Through joints – width and depth of opening.
  - B. Half blind – front & back, width of opening  
sides, depth of opening minus board thickness.
3. Layout – Inside faces "I", Corners- A B C D, Sides- T tails, Front & back- P pins
4. Drawer bottom groves -
  - A. lineup with pins – sides to hide cut groove when making half blind joints.
  - B. Use stop groove when making thru dove tails.

## Half blind dovetail joints

Front and side boards are cut at the same time.

Start with scrap boards the same thickness & width to do setup.

1. Clamp drawer front (pins) on top with outside of drawer facing down.
2. Clamp side (tails) on front with outside of drawer facing fixture.
3. Center side board between fixture fingers.
4. Set offset guide to board edge.
5. Reposition front board to offset guide.
6. Align template lines with intersection of the 2 boards.
7. Set router bit depth to the depth guide.
8. Climb-cut, right to left, vertical board to prevent tare out.
9. Rout all fingers then test for fit.
10. Make adjustments, bit height, template setting, then repeat previous steps.
11. When joints on scrap board fit correctly, with same setup continue with finish boards.

## Through Dovetail joints

Front and side boards are cut with different setups.

Start with scrap boards the same thickness & width to do setup.

1. Scrap board is used in the top for setup only.
2. All boards are cut in the front position with different settings.
3. Tear out is more of a problem with thru dovetails  
Use backer board on the front to eliminate it.
4. Follow the manual for setup for pin and tail boards.