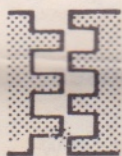


morse
design

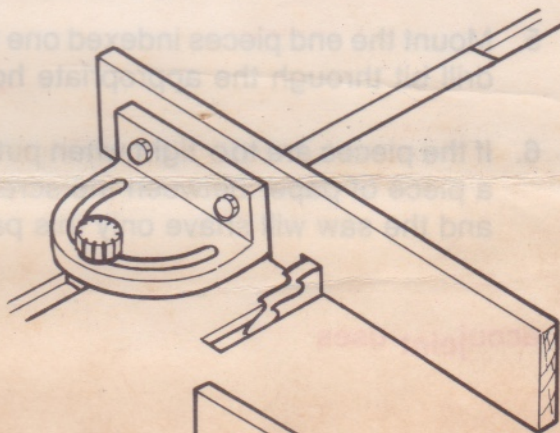
accujoint™
PATENT PENDING



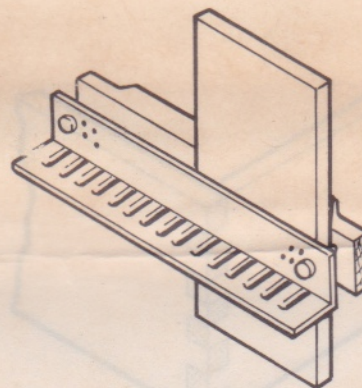
The "finger joint" is the strongest way to join two pieces of wood together. What makes it so strong? All those fingers provide a huge amount of glue area, and most of it is long grain to long grain.

accujoint is an easily used fixture which will allow precise indexing of every work piece. The steps below will help you to make perfect finger joints time after time.

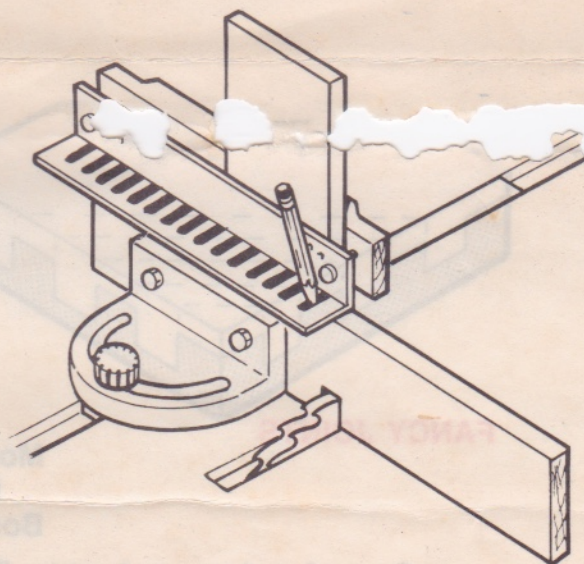
1. Attach a 'guide board' to your circular saw (or router table) miter gauge (use 3/4" stock about 3" high extending equally beyond both sides of the blade). Set the **dado blade** to the width of the finger to be cut (1/8, 1/4, 3/8 or 1/2 inch). Make sure that the blade is set to the proper height (equal to the thickness of the stock to be cut plus 1/32"). Make the cut in the guide board as shown.



2. Mount the piece to be cut in the **accujoint** fixture and clamp it firmly against the screw on the right side (as shown) so that the workpiece touches the table surface while the **accujoint** rests on the guide board.



3. Move the clamped workpiece until it touches the blade (power off). Mark the location of the extreme right slot on the guide board and drill a 1/8" dia hole about 3/8" deep and insert the **dowel pin** provided. Place the fixture on the dowel pin, turn on the saw, and cut each finger successively by moving the fixture from slot to slot. Be sure to **use the appropriate template** for the finger size to be cut (1/4, 3/8 or 1/2").

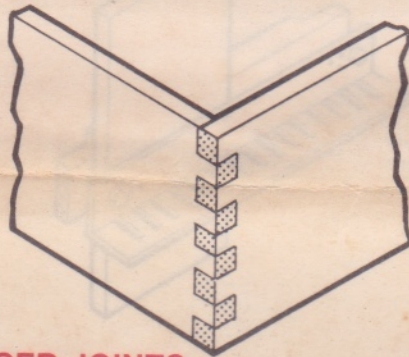


4. To cut the mating finger joint, the work piece must be shifted one finger width from the screw. Insert the shank of a one eighth inch drill bit through the appropriate hole (the first hole equals 1/8" spacing) and locate the work piece against it. Cut the mating piece.

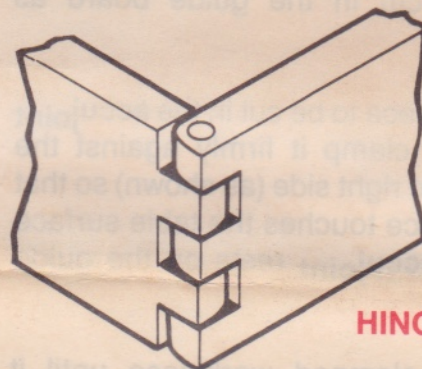
Some tips on making perfect finger joints:

1. Cut the drawer side and end pieces to the finished lengths + $1/16$ ".
2. Make the width of the pieces equal to a multiple of the finger width you have chosen.
3. Pencil mark the top side of each piece and place this edge against the **accujoint** screw.
4. Secure the side against the screw and cut the finger joints.
5. Mount the end pieces indexed one finger width away from the screw by inserting a $1/8$ " drill bit through the appropriate hole (Shown by the exposed hole in the template).
6. If the pieces are too tight when put together, re-mount one set (ends or sides) and insert a piece of paper between the screw (or drill bit) and the work piece. Re-cut the piece and the saw will shave only this paper width off of each finger. (.003-.005" thickness).

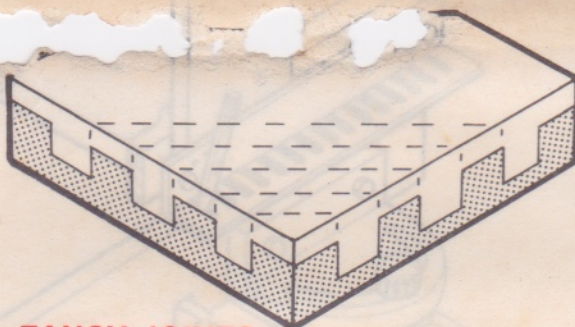
accujoint uses



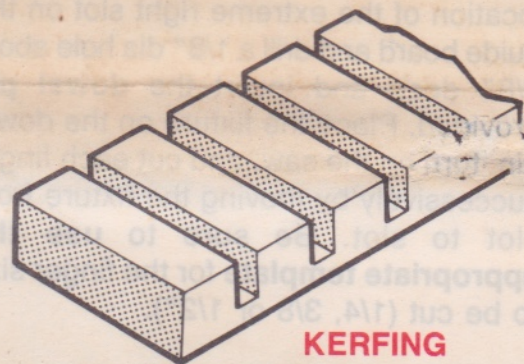
FINGER JOINTS



HINGES



FANCY JOINTS



KERFING

Morse Design, Inc.
P.O. Box 195
Boston, MA 02123

Cost of replacement parts: Plastic part = \$10.00, Metal part = \$14.00.
Other parts may be purchased from you local hardware store.