

Step 3 (Use fasteners from Fastener Bag 3) -

Slide two M6 x 50 Coach Bolts (22) and one M6 x 12 Coach Bolt (23) into the channel in the top of each fence, as shown in Fig 3. **Note:** You will need to temporarily remove one of the round knobs from the adjustable fence. The order of the bolts is long - short - long.

Fit a Fence Clamp (24) and M6 Flange Nut (7) onto each long bolt, as shown in Fig 3.

Slide each clamp approximately 100mm from the fence ends, positioning their bases level with the front of the fences as shown. Tighten the flange nuts and loosely fit the Round Knobs (20).

Place the MDF Fence Faces (25) onto the bottom lip of each fence and slip under the clamps. Secure by tightening the round knobs.

Fit the Stop Supports (26) to the short bolts and tighten approximately in the middle of each fence with M6 Flange Nuts (7). The correct position will be determined later.

Screw a Right-handed Fence Cap (27) and a Left-handed Fence Cap (28) onto each end of the Link Hose (29). **Note:** the hose has a left-hand thread - screw anti-clockwise.

Locate the fence caps, with hose fitted, into the ends of the fences closest to the slider, using the orientation shown in Fig 3. Tap them fully home gently with a mallet or similar. **Note:** It may be necessary to temporarily loosen the nyloc nut at the end of the fixed fence and the round knob at the end of the adjustable fence while fitting the caps.

Fit the remaining fence caps to the other fence ends.

Insert three M6 x 12 Coach Bolts (23) down the rear channel of the fixed fence, as shown in Fig 3.

Fit the plastic Finger Spacer (30) and 1/2" or 1/4" Finger (31 or 32 depending on which size finger joints you wish to make) to the centre bolt using a Washer (12) and Hex Nut (4) as shown in the bottom inset in Fig 3. Position it approximately 25mm past the cutter opening in the fence, toward the outer brace.

Fit a Finger Stop (33), to each of the outer bolts using Washers (12) and Hex Nuts (4), as shown. The correct position will be determined later.

Step 4 (Use fasteners from Fastener Bag 3) -

Push an M4 Nyloc Nut (34) into the hexagonal depression on each Cutter Surround "A" & "B" (35). Screw an M4 x 10 Screw (36) into each, as shown in the top inset view in Fig 3. Leave a 3mm gap under the head of the screw, and fit them to the fences as follows.

To set up for 1/2" finger joints fit Cutter Surround "A" to the fixed fence and "B" to the adjustable fence. For 1/4" cuts fit "B" to the fixed fence and "A" to the

adjustable fence. Turn the unit upside down and drop the cutter surround into the opening on the fence base. Slide it back until the screw locates fully into the slot as shown in the top inset view in Fig 3. Tighten the screw to lock each surround in place.

Dust Extraction

The Finger Jointer has been designed for use with a vacuum cleaner for chip extraction.

Screw the vacuum hose, supplied with your Router Table, into the dust port on the fixed fence (left-hand thread) and plug the wand of your vacuum cleaner into the hose adaptor. The end of the adjustable fence remains open to provide a through-flow of air, for effective extraction.

For a larger collection capacity, consider fitting a Triton Dust Collector (DCA300) to your vacuum.

If not connected for dust extraction it will be necessary to stop work at intervals and clear the shavings from inside the fences. Shavings will also need to be removed from beneath the workpiece, between cuts, using a bristle brush (eg. paint brush or similar).

SET-UP

1. Fit a 1/2" or 1/4" straight cutter into the collet of your router. (Collet size does not determine whether you make 1/2" or 1/4" finger joints. 1/2" and 1/4" straight cutters are available for both size collets.)

Note: While any 1/2" straight cutter can be used, some hardwoods produce long chips which can block the dust extraction. For these cases a gapped edge 1/2" Straight Cutter (37) is supplied. 1/4" cutters require a slower feed rate which will not block the dust extraction.

Set the cutter height until the tip is around 0.5mm above the thickness of your intended workpiece.

2. With the Finger Jointer fitted to the Router Table (as described in Step 1), remove the MDF fence faces temporarily.
3. Loosen the fence clamps and set the adjustable fence around 100mm away from, and parallel to, the fixed fence. Re-tighten the clamps.
4. Pull the Finger Jointer to the front (switchbox end) of the Router Table - this is the start position. The cutter should locate just inside the fixed fence extrusion without touching the cutter surround. If the cutter touches the surround, check that the surrounds (A & B) have been fitted correctly - see Step 4.

Push the Finger Jointer to the rear of the Router Table. The cutter should locate just inside the adjustable fence extrusion, without touching the cutter surround.

5. Position the Finger Jointer until the cutter sits approximately mid-way between the fences and refit the MDF fence faces.