MADE IN THE UK

Instructions

Belfast Sink Jig

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www.worktopjigs.com

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CONTENTS INCLUDE

1 Belfast Sink Recess Jig
1 Sliding Datum Block
2 Yellow Plastic Pegs

Designed and made by one of Europe's leading manufacturers of carpenters and kitchen fitters jigs.

Rout recesses into worktops for single or double Belfast Sinks.
Enables you to accurately rout the 'drip channel' groove on the underside of the worktop and around the outside of the sink recess, 5-6mm from the worktop edge.

For Ceramic Sinks up to 1050mm long and from 440mm to 515mm wide.

EQUIPMENT YOU WILL REQUIRE

An electric router

For the Worktop recess:

30mm Router Guide Bush

12.7mm Tungsten Carbide Router Cutter

A pencil

G Clamps

For the 'drip channel' groove:

16mm Router Guide Bush

5 or 6mm Diameter (3/16" or ¼") Tungsten Carbide Round Nose Cutter

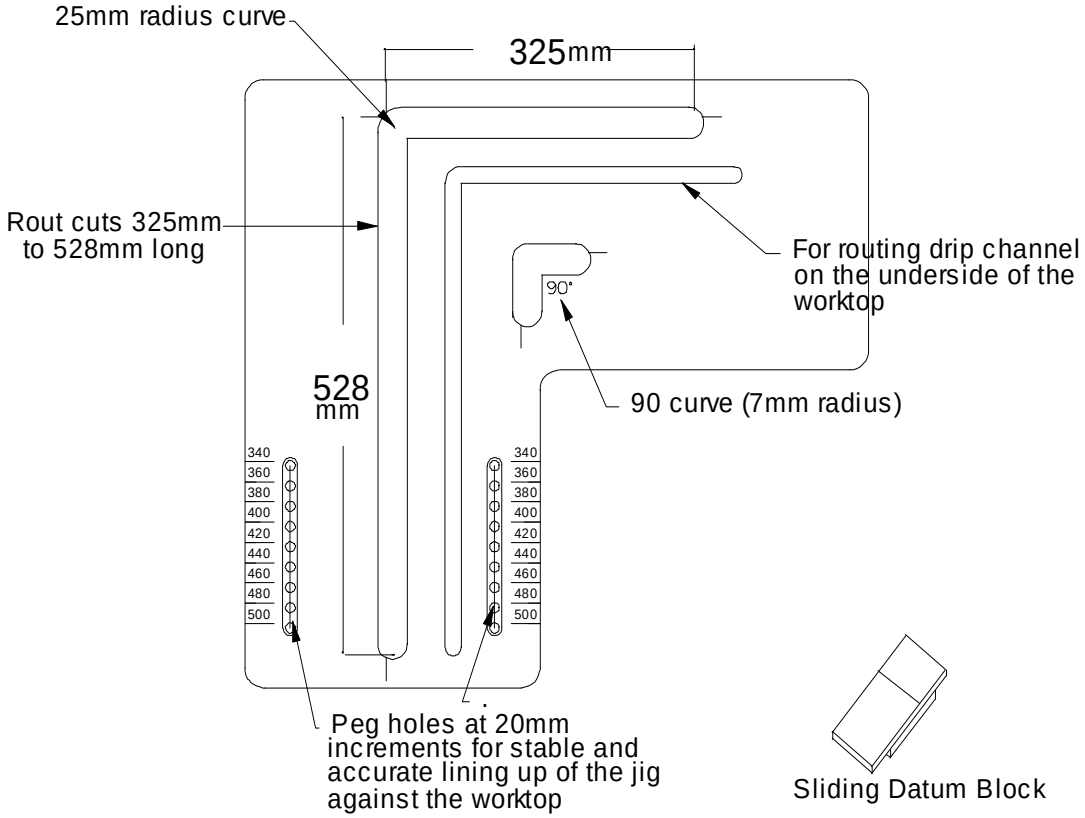
HEALTH AND SAFETY

1. Always ensure the worktop is supported properly.
2. Always ensure that the path of the router is clear of any obstacles.
3. Always ensure that the cable of the router is clear of the jig and is of sufficient length.
4. Always wear protective goggles when cutting.
5. Do not switch router on with the cutter touching the work piece.
6. Read the router's instruction manual if there are any doubts on the correct operation.

DURING CUTTING

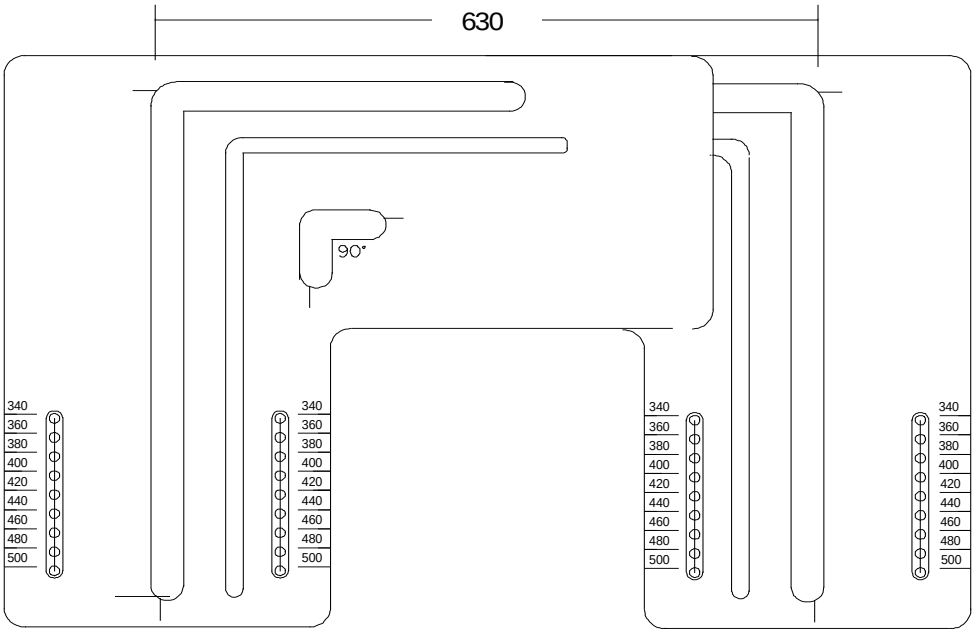
1. Never try to cut more than 10mm depth on one cut.
2. Do not force the router too fast. This can damage expensive router bits.
3. Never remove the router from the jig whilst it is in motion. Always allow router to stop and switch off before removing.
4. Ensure that the section of the worktop to be routed out is well supported from below.

If routing for a long period of time, we advise that ear protection is worn.

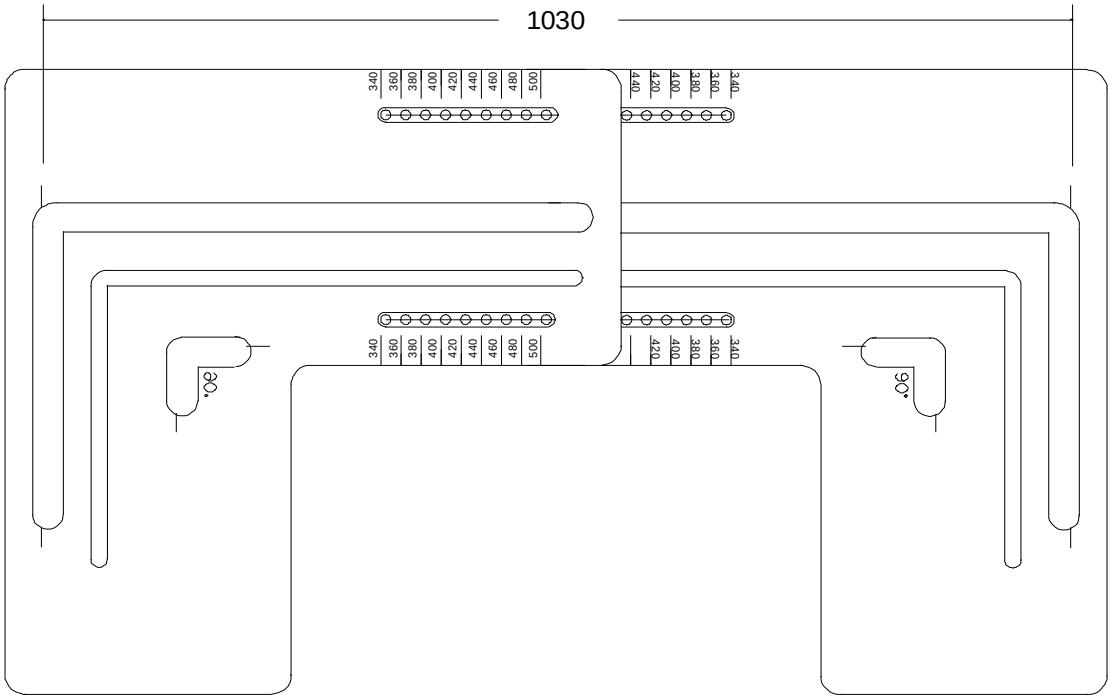


MEASURING UP & CALCULATING THE RECESS SIZE

Note: The maximum cut distance when overlapping the horizontal slot is 630mm.



The maximum cut distance when overlapping the longer vertical slots is 1030mm.



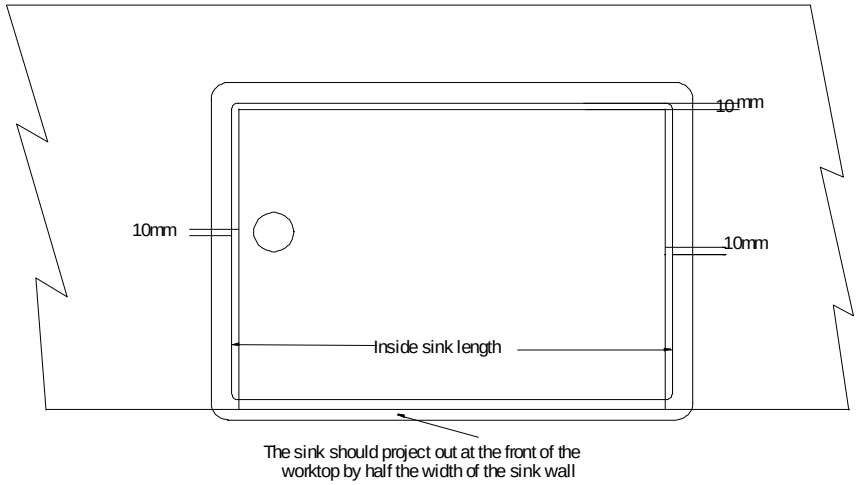
The peg holes are set at 20mm apart so it is possible that a packing piece will need to be used depending on your sink size.

The dimensions quoted by the sink manufacturer indicate the overall length and width of the sink and not the internal dimensions.

When calculating the size of the recess to be cut you will need to know the internal dimensions of your sink.

When fitting your sink to the worktop it is recommended that the worktop overlaps the sink at the sides and the back edge by 10mm.

The front of the sink should project out from the worktop by half of the sink wall thickness. The edge of the worktop should be positioned on the centre line of the front wall of the sink. See the diagram below:



MEASURING UP & CALCULATING THE RECESS SIZE CONT:

So before proceeding further, you need to measure the following:

The internal dimensions of the sink, length and width.

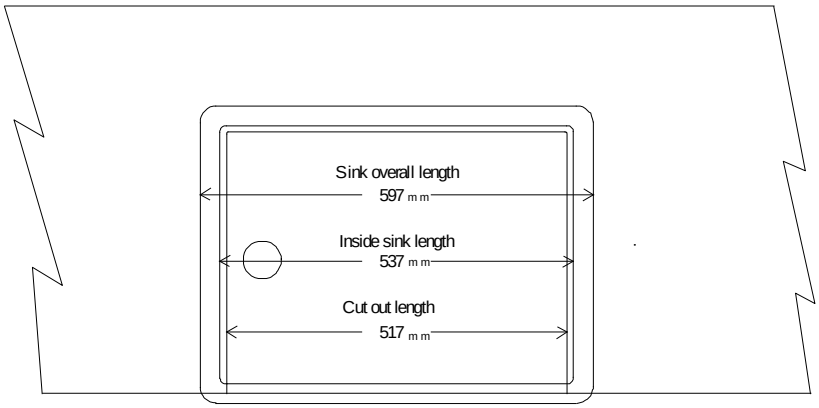
The dimensions of the sink wall.

NOTE: If you are fitting a series of sinks of the same design, please remember that manufacturers state that because of the nature of the manufacturing process, dimensions of ceramic sinks can vary by up to +/- 2%, so you will need to measure and calculate for each sink to be fitted.

In the following example we will make calculations for a recess to fit a sink measuring 597mm x 460mm.

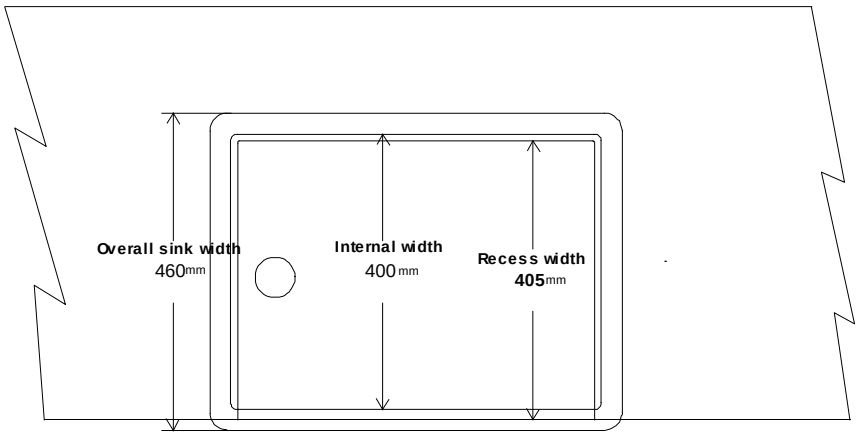
Recess Length

- The outside dimension of the sink length is 597mm, the depth of the sink wall in this example is 30mm.
- Therefore 597 – 60 (2 x wall depth) = 537mm.
- Subtract the 10mm overhang for each side of the sink: 537 – 20 = 517mm. This is the recess length to be cut.



Recess Width

- The outside width dimension of the sink is 460mm, the sink wall depth is 30mm. Therefore 460 – 60 (2 x wall depth) = 400mm.
- Subtract only one 10mm overhang for the rear of the recess, but then add half the width of the sink wall at the front, in this case half of 30mm = 15mm.
- Therefore 400 – 10 (rear overhang) = 390 + 15 (half sink wall) = 405mm. This is the recess width to be cut.
- The overall recess to be cut is 517 x 405mm.



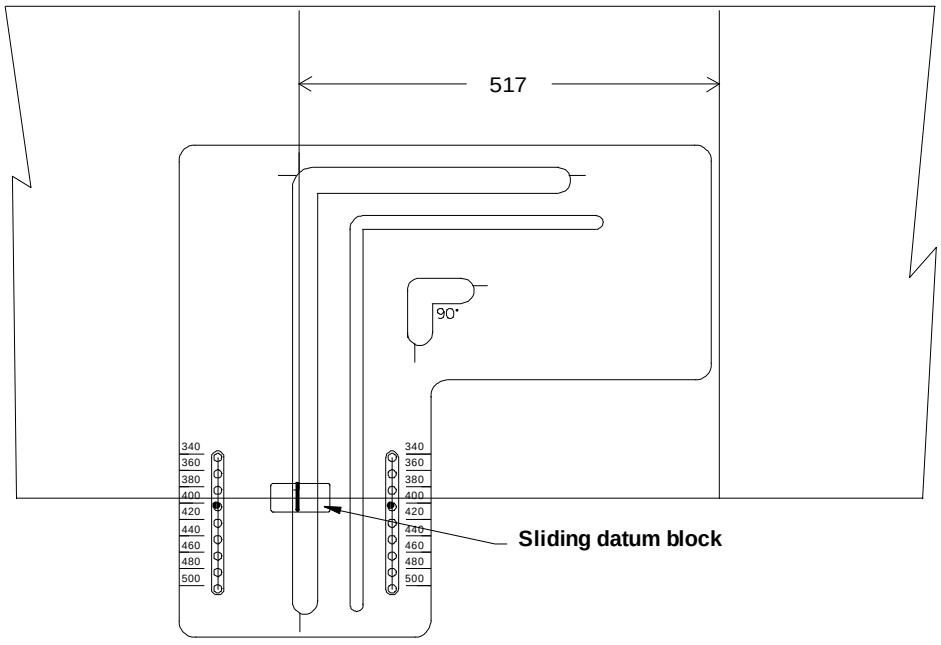
CUTTING THE WORKTOP

In our example, the recess length is 517mm. Mark this dimension with two lines across the width of the underside of the worktop in the desired location.

In our example, the recess width (front to back) needs to be 405mm.

Insert a peg into the 420mm peg hole and use a 15mm packer. Push the pegs and packer against the edge of the worktop.

Line up the engraved marks on the jig with your pencil line and clamp the jig into place.

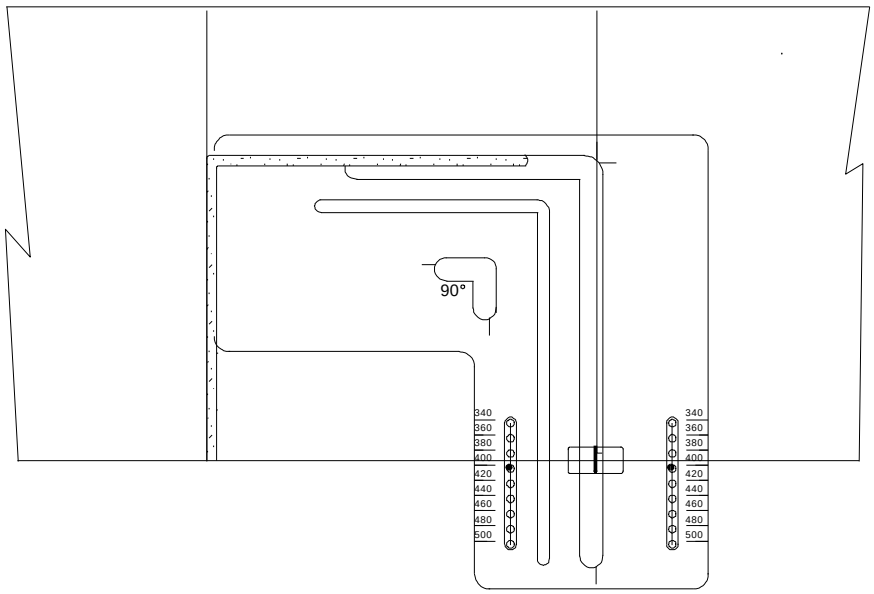


Note: Your jig will probably extend past the end of the worktop so far that you cannot accurately line up the marked positions with the marks provided on the jig, in this case use the sliding datum block provided. Slide the datum block so that it butts against the worktop, then adjust the jig position as necessary.

Before commencing with cutting, ensure that the area to be cut out is well supported from below.

Using a 30mm Guide Bush and a 12.7mm straight router cutter, rout the first slot. Cut in from the worktop edge and never exceed 10mm cutting depth per pass.

Now transfer the jig over for the cut on the opposite side of the worktop. See page 7.



It is possible to cut a smaller radius into the corners of the recess by using the small 90° cut slot. This will cut a radius curve of 7mm. For sharp 90° corners it will be necessary to trim the corners out with a chisel.

Simply place the jig on the worktop and line up the existing cut edges with the extension lines either side of the 90° slot. Clamp the jig into place and cut.

CUTTING THE DRIP CHANNEL

When cutting the drip channel a 16mm Guide Bush and a 5 or 6mm Tungsten Carbide Round Nose Cutter is required on the router.

Turn the worktop face down and set the jig on the left side of the worktop with the edge of the drip channel slot on the edge of the sink recess and clamp in place. This will give a drip channel about 5mm inside the recess.

Set the router cutter to plunge about 5mm into the worktop. Start the router cut about 5mm from the front edge of the worktop and work the router along the slot from left to right. Reset the jig when necessary, ending the cut about 5mm from the front edge of the worktop on the opposite side of the sink recess.