

## Sliding Button Catch Fitting Instructions

*(Test with scrap first)*

Fit a 8mm downcut spiral cutter in your router table or an 8mm straight cutter. Set your fence so only 4.3mm of cutter is exposed. Set the depth to approximately 1mm. Next setup each stop. Use the formula below for the correct spacer width. Once you have your spacer, rotate your cutter so its outermost cutting edge is towards the side you are going to setup. Then take the spacer which has now been cut to the correct size using the formula below and set this stop. Then proceed to set the opposing side with the same spacer. Next cut a piece of scrap MDF to the exact length as your box and make a test cut. If everything was carried out correctly the mortise should be the right length with only the corners to square up. From this test cut you can also check the router bit depth of cut which should be 1mm, and that the fence is the correct distance from the bit. Now cut the mortises in your box top and bottom.

Use the formula below to create a spacer to set the stops either side of the cutter.

$$A = \frac{Z + X}{2} - Y$$

A is the spacer length

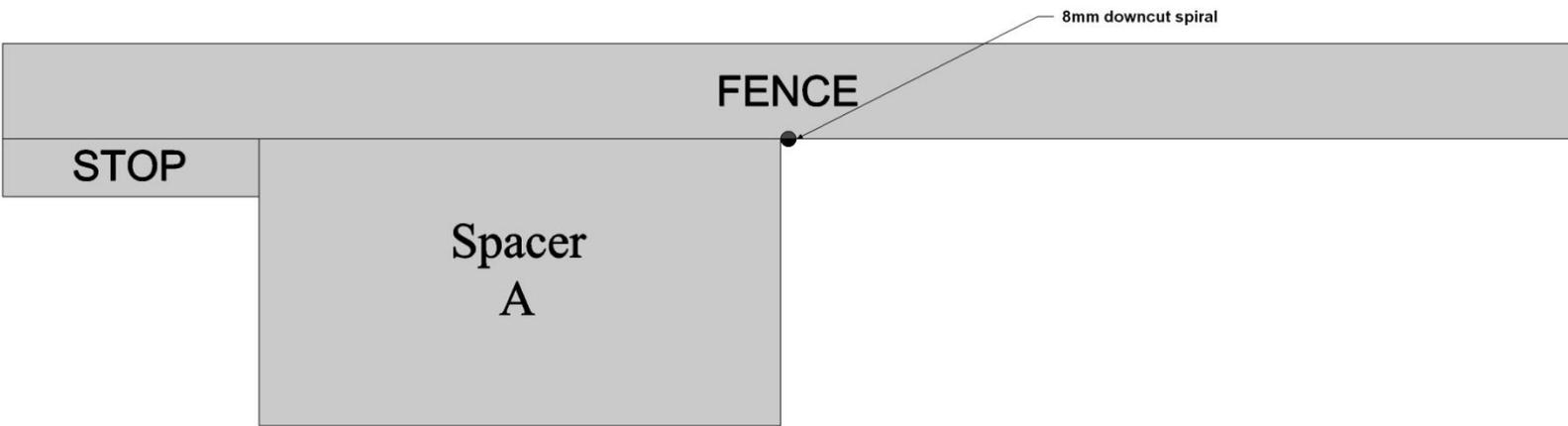
Z is the box length

X is the catch length

Y is the cutter diameter



The lower part of the catch needs some chisel work to allow for the action to work - please see above. The upper part of the catch has a piece on the reverse that sticks out. You will need to chisel out a piece on the lid of your box to allow this to sit in flush. Once done square up the corners with a sharp chisel. Next drill your holes, fit the screws and you're done!



**Fitting without a router table.**

If you do not have a router table, or you are fitting 2 catches, proceed as follows. Place a strip of masking tape on the box edge this will help see the score lines. Separate the catch and position the upper part of the catch on the lower part of the box. The upper part is used because it does not have the workings and sits in place better. Once your catch is in position hold in place with some masking tape, lightly score around the catch – then remove catch. You should see on the masking tape where you have scored and remove the masking tape in the mortise area. Then using a ruler, which has sandpaper on the reverse to prevent slippage, place the ruler on the outside edge of the line so to protect the non mortise area. Reinforce the lines with a scalpel. Once reinforced chisel to a depth of 1mm, then remove the material for the workings. Use the same method for the lid section only without the extra mortise for the workings and you are done. Drill your holes and fit the screws.

