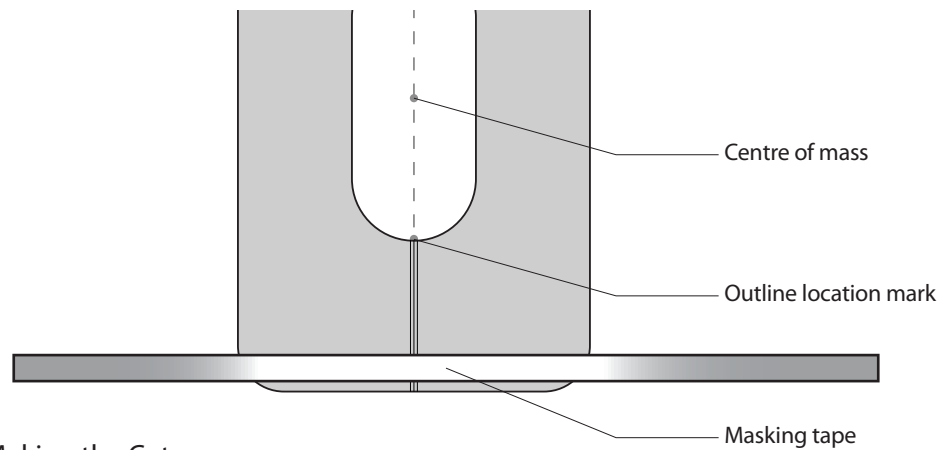


# SUP HANDLE INSTALLATION INSTRUCTIONS

# FCS

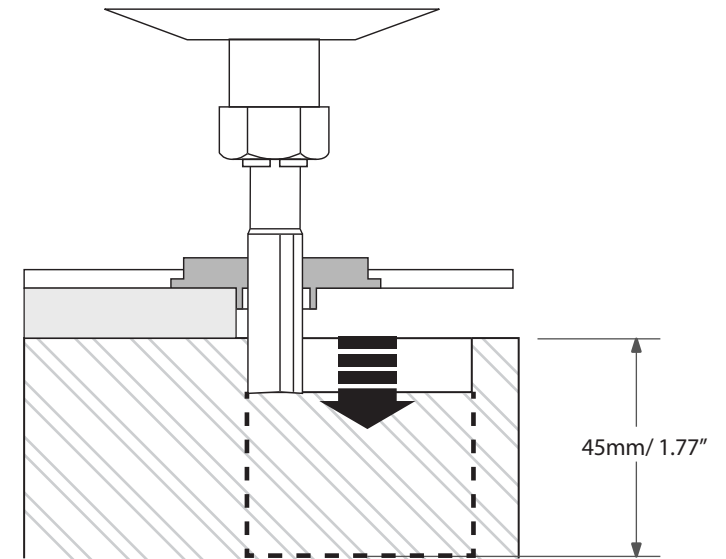
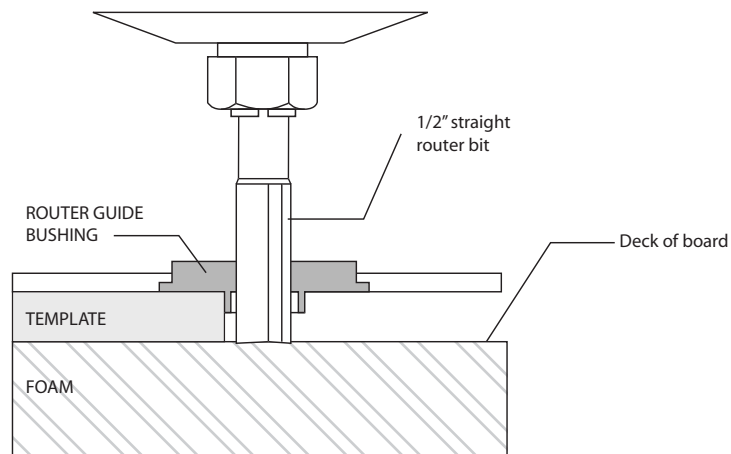
## Before You Make the Cut:

1. Calculate the center of mass of the board considering weight the fins. Draw a line parallel to stringer so that it passes through the centre of mass point. Measure 62mm/ 2.44" either side of the center point - this is the handle outline mark .
2. Place a shapers weight on the foam blank to ensure stability during the install process.
3. Position the router template over the drawn line. Locate the rear dot so it is up against the edge of the template. Secure the jig to the board with masking tape



## Making the Cut:

4. Set up the plunge router with a 1/2" straight router bit and router guide bushing



5. Progressively rout the depth of the cavity to 45mm/ 1.77". For cuts that interact with the stringer take smaller cuts to avoid splintering.

# SUP HANDLE INSTALLATION INSTRUCTIONS



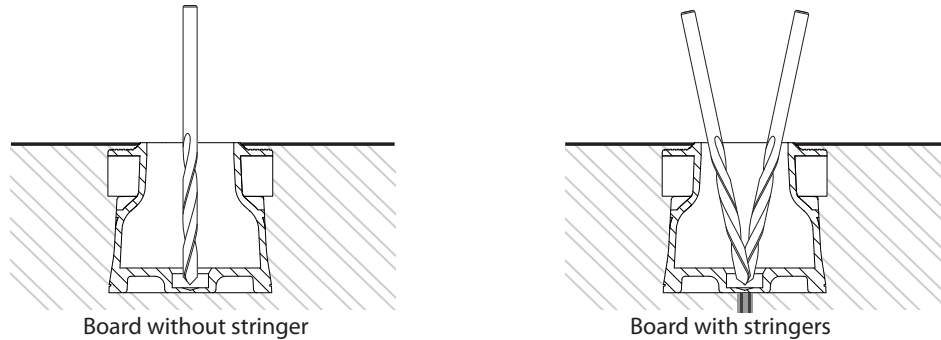
## Setting the handle:

6. Mix epoxy resin with cabosil and apply to the side walls of the routed hole and plug and press into the bottom of the cavity. Use a brush or squeegee to wipe down any excess resin. Let the resin set before laminating the board.
7. Apply the sticker over the handle opening.
8. Glass and sand the board as per normal pre glass plug installation.

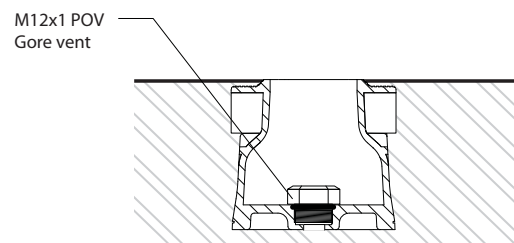
## Installing the vent (if required):

9. Using a 1/4" or 6mm drill bit make a hole in the plug to expose the foam. For handles which interact with the stringer drill holes at an angle so that the foam is exposed either side of the stringer.

**IMPORTANT:** Be careful not to damage the thread during this process as it will compromise the performance of the vent.

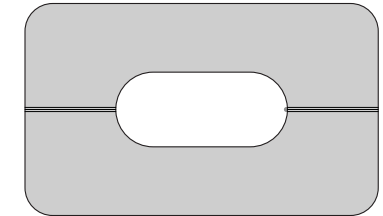


10. Screw the 'M12 x1 Gore vent' into the plug using 16mm socket by hand (do not use a handle/ extension). It's important that the vent isn't overtightened - just enough for the 'O' ring to be compressed.

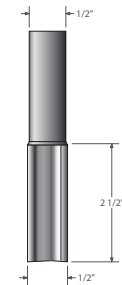


## Installation tools required:

- The router template.



- Router bit.  
1/2" two flute router bit with appropriate router guide bushing



- Stickers to cover plugs slots during glassing of the board.

