

Sweepy Pro S5 Pro Instructions

Thank you for purchasing the Sweepy Pro for the Shapeoko 5 Pro.

Important Notes - please read prior to fitting.

BitSetter

In some instances, the Bitsetter could be higher than your workpiece. It's important that you note where this is when starting a job and ensure that the Bitsetter does not get in the way of the dust boot.

When initializing a tool change it is imperative the lower part of sweepy pro is removed and the boot top is in the highest position. Failure to remove the boot will result in the spindle hitting the boot.

Note this kit is intended for use with the Carbide VFD and spindle kit and whilst this will work with the compact router it won't offer the same travel.

Sweepy Pro Contents

Contents:

Threadlock [A1]

Hose support:

1 x X Injection molded hose support with dust port [B1]

2 x M5 x 10mm socket head screws [B2]

Dust Boot Top

1 x Dust boot top - machined plate with 6 magnets fitted (engraved S5) [C1]

1 x 80mm injection molded clear vac ring [C2]

1 x 65mm injection molded clear vac ring [C3]

1 x Lower injection molded hose support [C4]

7 x M4 x 6mm screws [C5]

Slider Assembly

2 x Slider support [D1]

2 x 8mm dust boot supports [D2]

1 x Dust boot height adjuster screw [D3]

2 x M5 x 10mm screws button head [D4]

2.5 connector hose (approx 230mm) [D5]

Dust boots & Accessories

1 x Dust boot base with brush [E1]

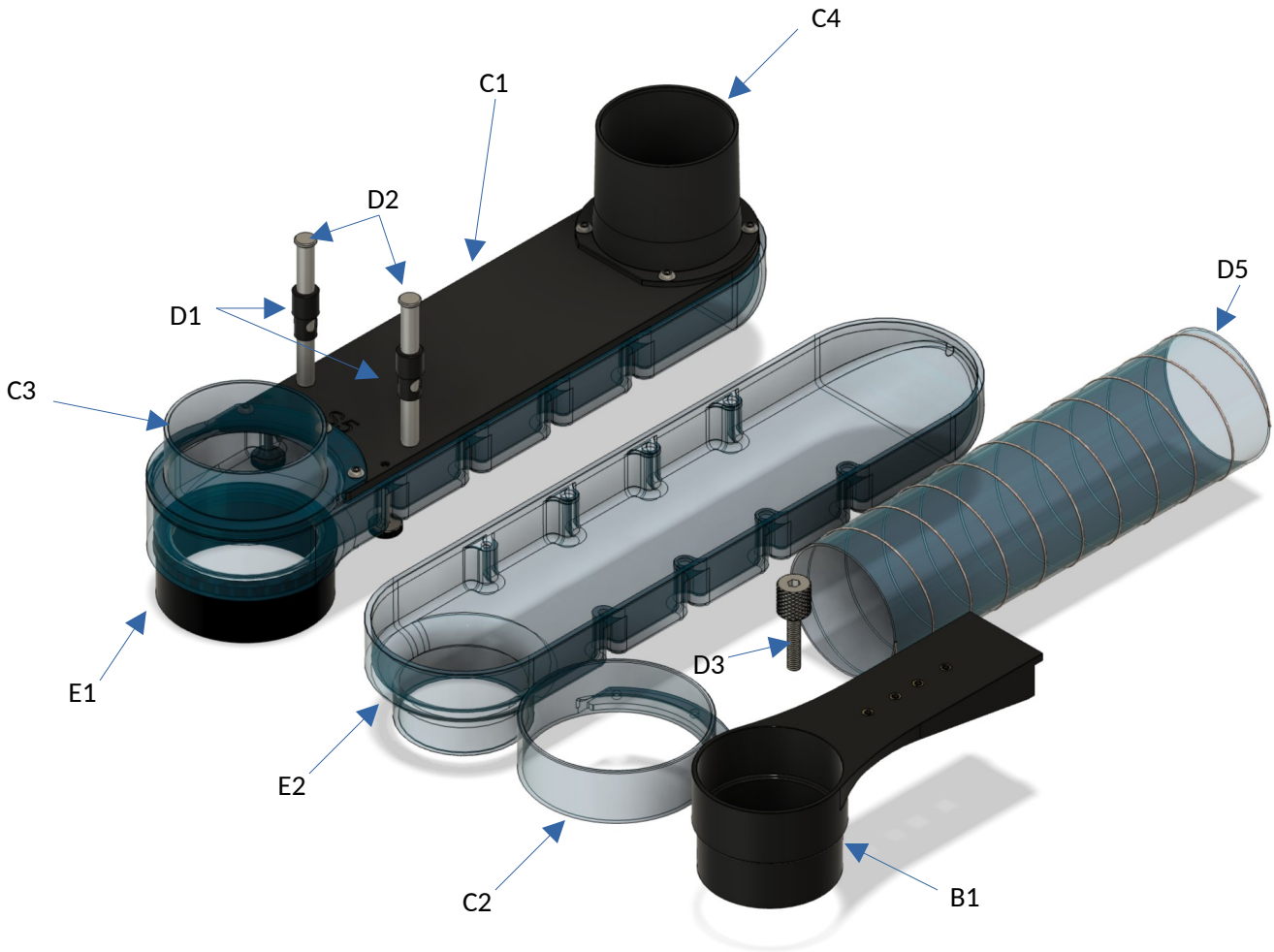
1 x Dust boot base without brush [E2]

2 x Dust boot thumb screws [E3]

1 x 2.5" Hose adapter [E4]

1 x 35/36mm adapter [E5]

Sweepy Pro Contents



E3



C5



B2



A1



D4

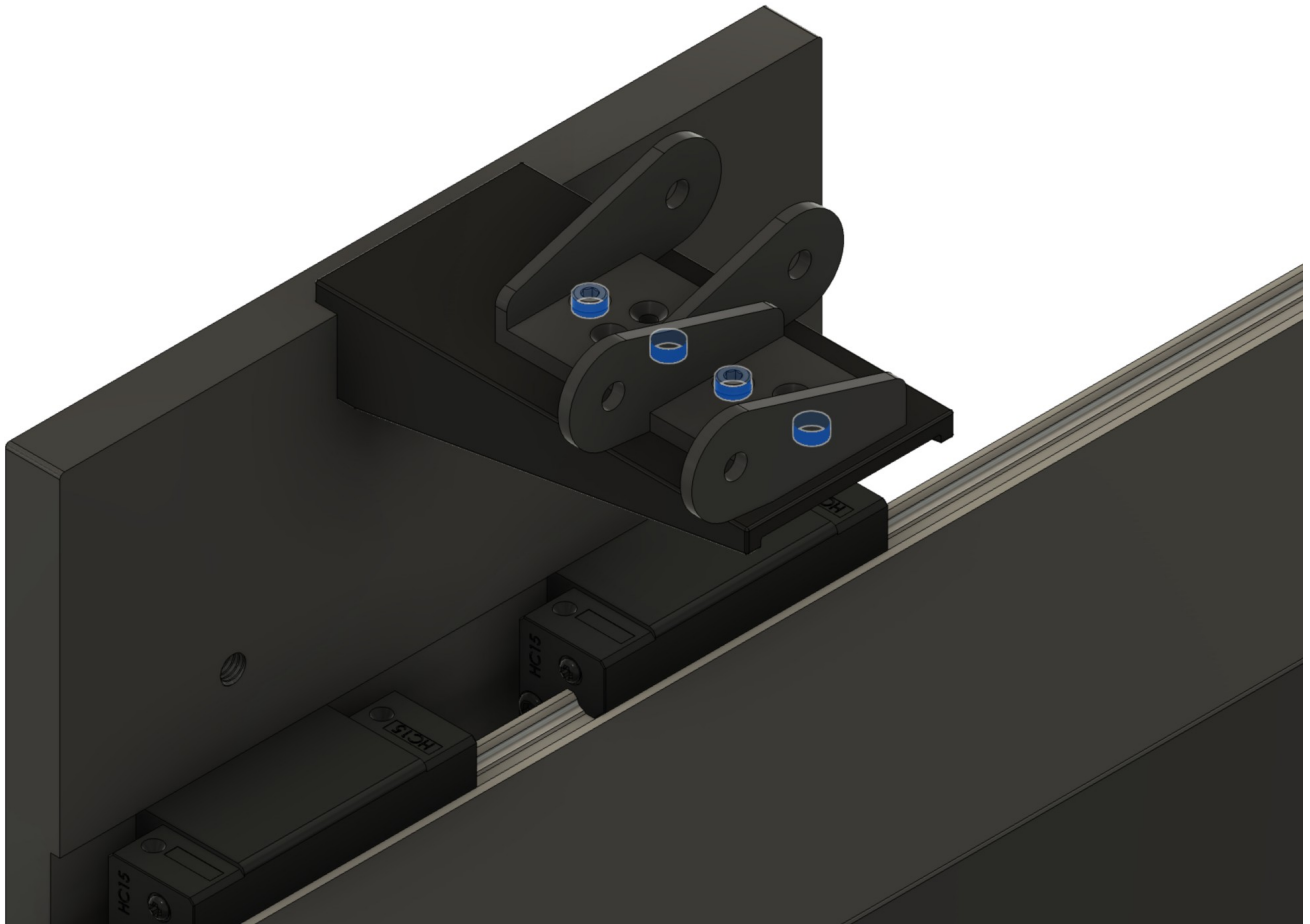
NOT PICTURED: E4, E5

Fitting Instructions

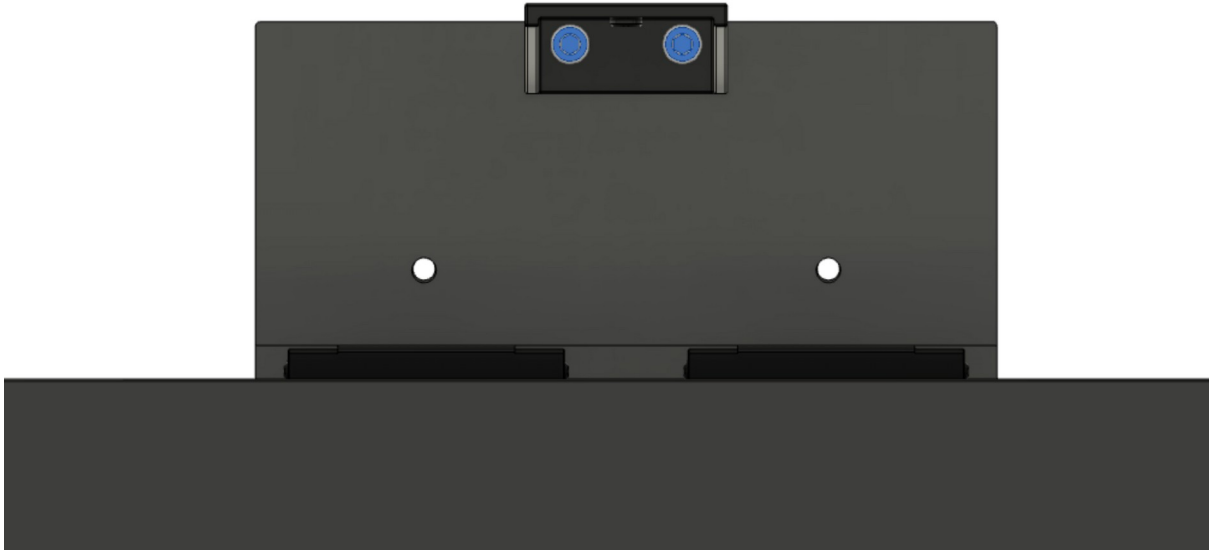
Fitting the dust hose support with dust port

To begin, start with the Shapeoko 5 Pro in the home position and move the spindle/router to the center of the X axis, ensuring sufficient visibility and access. It's much easier to assemble from the rear of the machine.

Remove the 4 x M3 screws holding the drag chains in place.

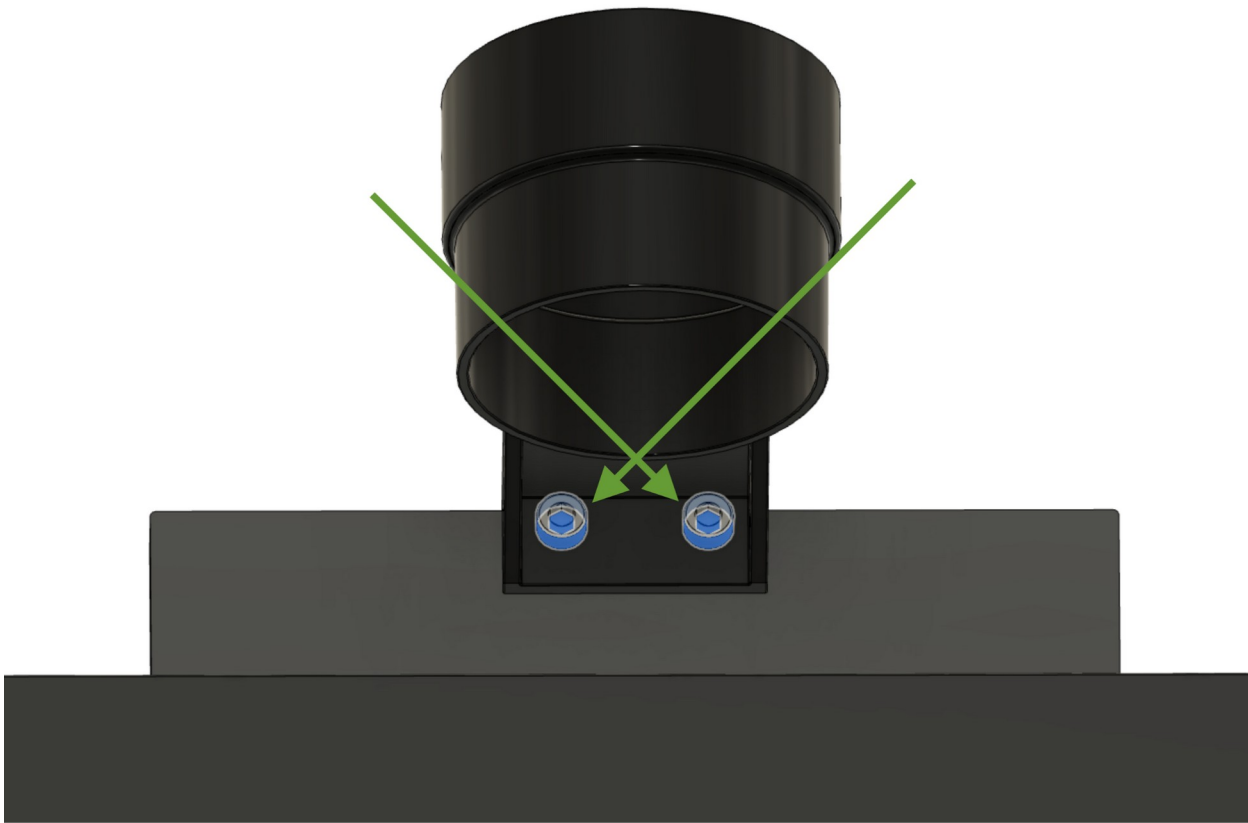


Remove the 2 rear drag chain support screws.



Remove the X drag chain support from the machine.

Fit the X hose support featuring the dust port [B1] with 2 x M5 x 10mm screws [B2] provided. Note, access is restricted and it's best to go in a 45 angle with the ball end of the allen key. Yes, it's a pain in the ass. We're sorry about that.



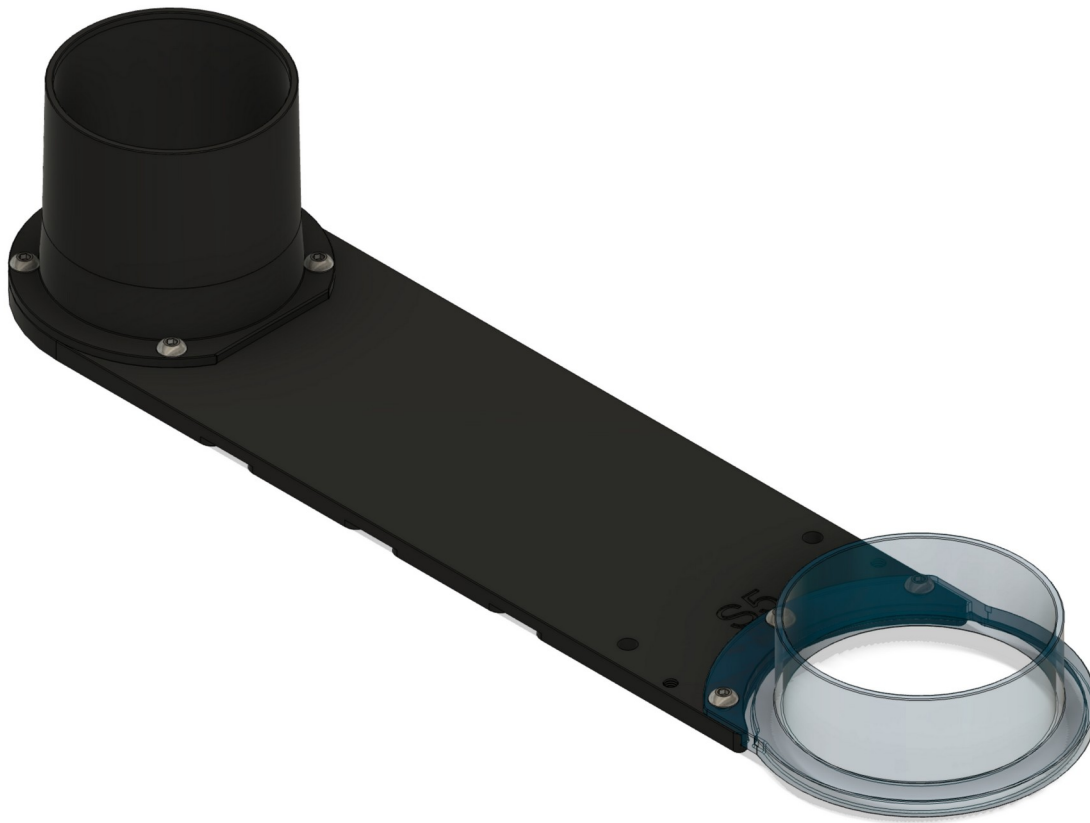
After both screws have been tightened, re-fit the X drag chains in reverse order.

Dust boot top assembly

Fit the lower hose support [C4] and vac ring [C2 or C3] to the dust boot top [C1] using the 7 x M4 x 6mm screws [C5] provided. Note the lower hose support has a flat section. This should be facing towards the vac ring as shown.

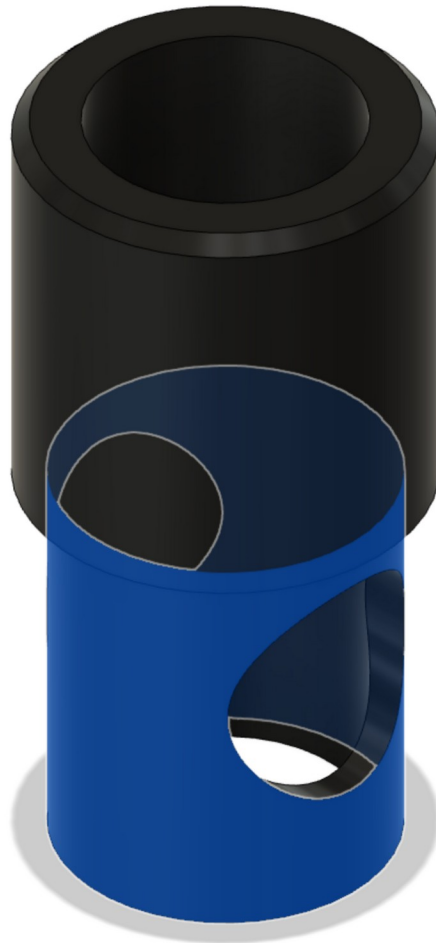
Use the appropriate vac ring for your spindle or router.

If you have the carbide spindle kit or a similarly sized spindle, use the 65mm vac ring [C3], otherwise, use the 80mm vac ring [C2].

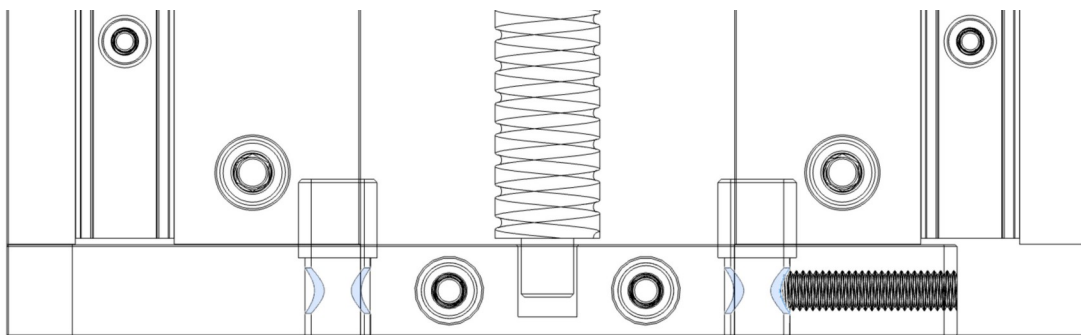
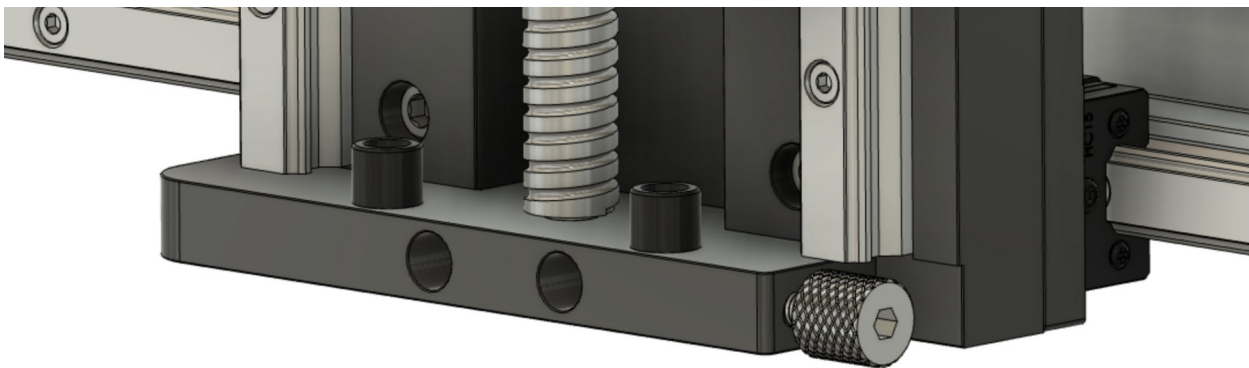


Slider Assembly

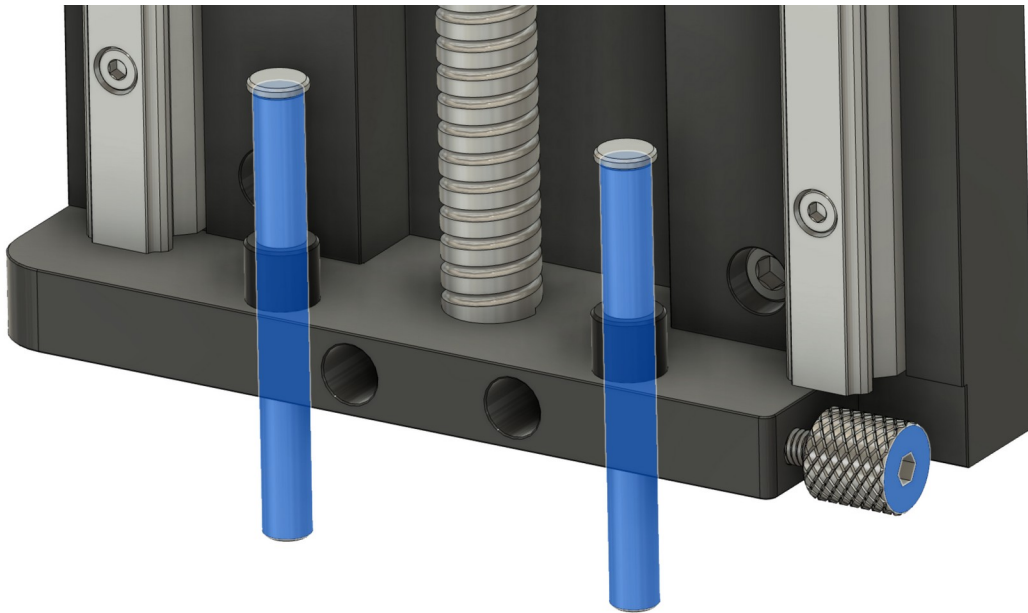
Apply a small amount of thread lock [A1] to the outer rear diameter of the slider supports [D1].



Insert both slider supports [D1] into the lower ball screw support on the HDZ. Note, this can only be done with the Z in place in the raised position. See the illustration below as alignment is important. The openings on the both slider supports [D1] should be inline with the M6 Screw thread on the right side of the axis.

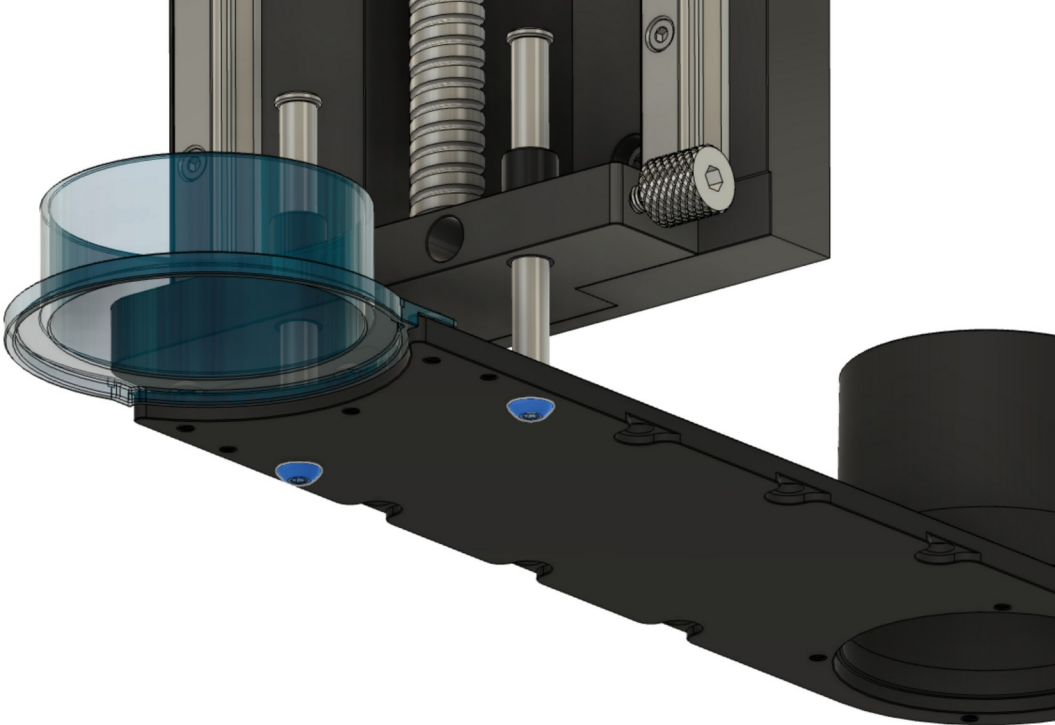


Insert the dust boot supports [D2] into the slider supports [D1] from above (ensure the Z is in home position).
Insert the dust boot height adjuster screw [D3].

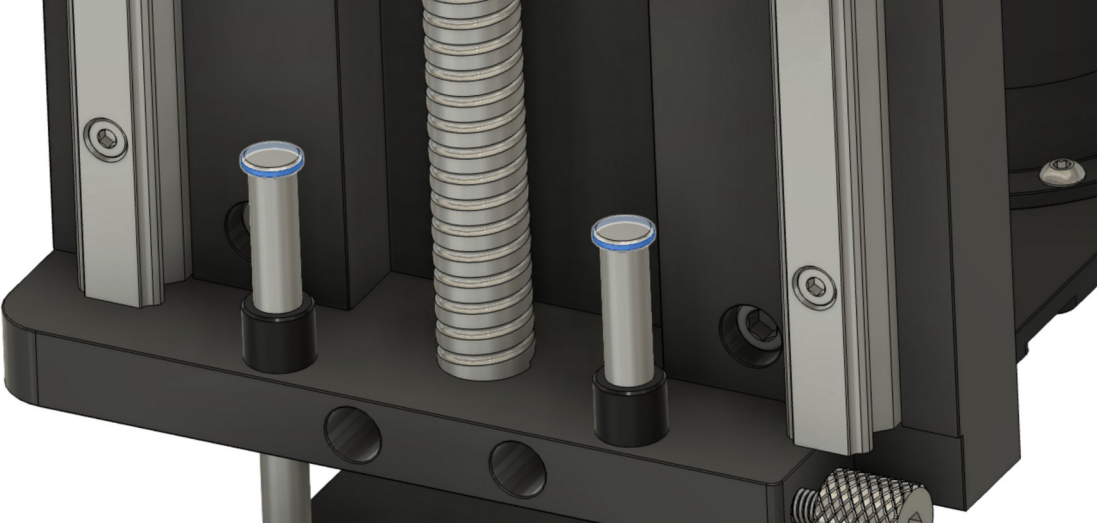


Once inserted, tighten the dust boot height adjuster screw [D3]. (Turn clockwise to tighten, counter clockwise to loosen).
The right support should lock into position. The left should remain loose.

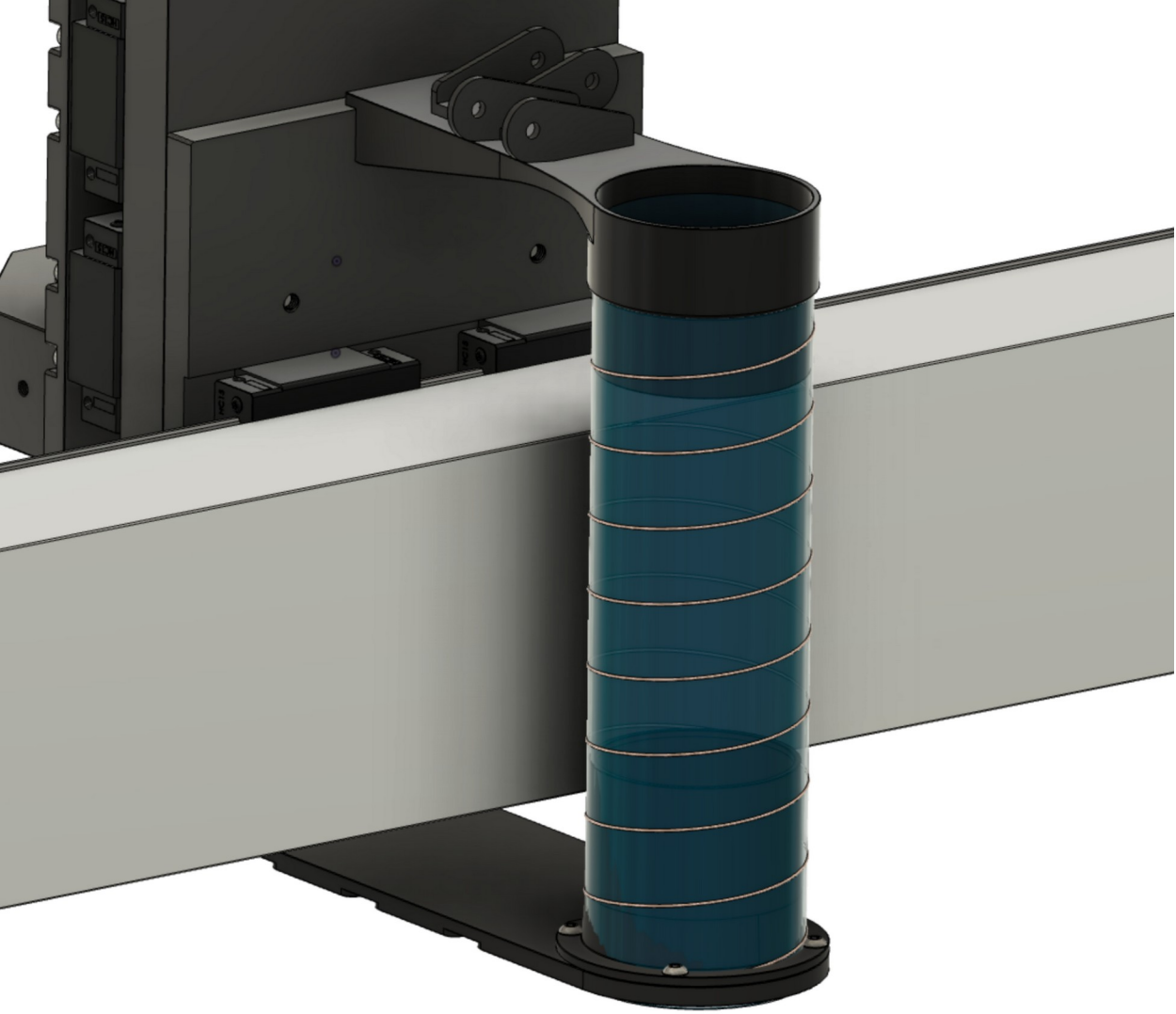
Insert the 2 x M5 x 10mm button head screws [D4] into the bottom of the dust boot supports [D2]. Note, you should apply a small amount of thread lock [A1] to these screws and grip the supports with a pair of grips at the 'Stop end' (the ridge at the very top). Do not grip these by the shaft.



Grip Point "Stop End"



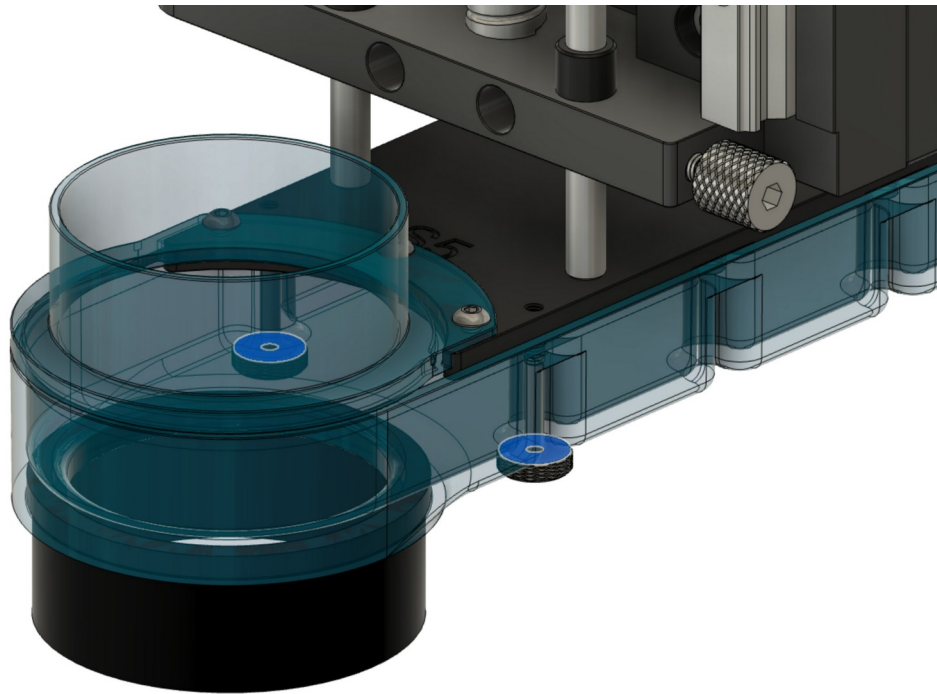
Fit the hose [D5] to the X hose support [B1] and lower hose support [C4] sliding it securely over each hose support.



Fitting the dust boot

Either the clear [E2] or brushed [E1] version of the dust boot will locate onto the dust boot base [C1] with the magnets. It is important that you manually push the dust boot onto the dust boot plate to ensure it is clipped on properly. Do not just rely on locating magnets.

Once in position, you should lock in place with the 2 x dust boot thumb screws [E3]. These can be inserted from below and tightened with a 3mm allen key as required.



Adjusting the height

To get the best results when using Sweepy Pro we suggest you either align:

- The bristles approx 2mm lower than your workpiece
- The clear ring approx 2mm above your workpiece

To adjust the height you need to loosen the Dust Dust Boot height adjuster screw [D3], slide up/down, then tighten by turning the adjuster screw clockwise.

Adapters

Two hose adapters included with sweepy pro allow for 2.5 hose or a 35/36mm hose. These fit to the X hose support with dust port.