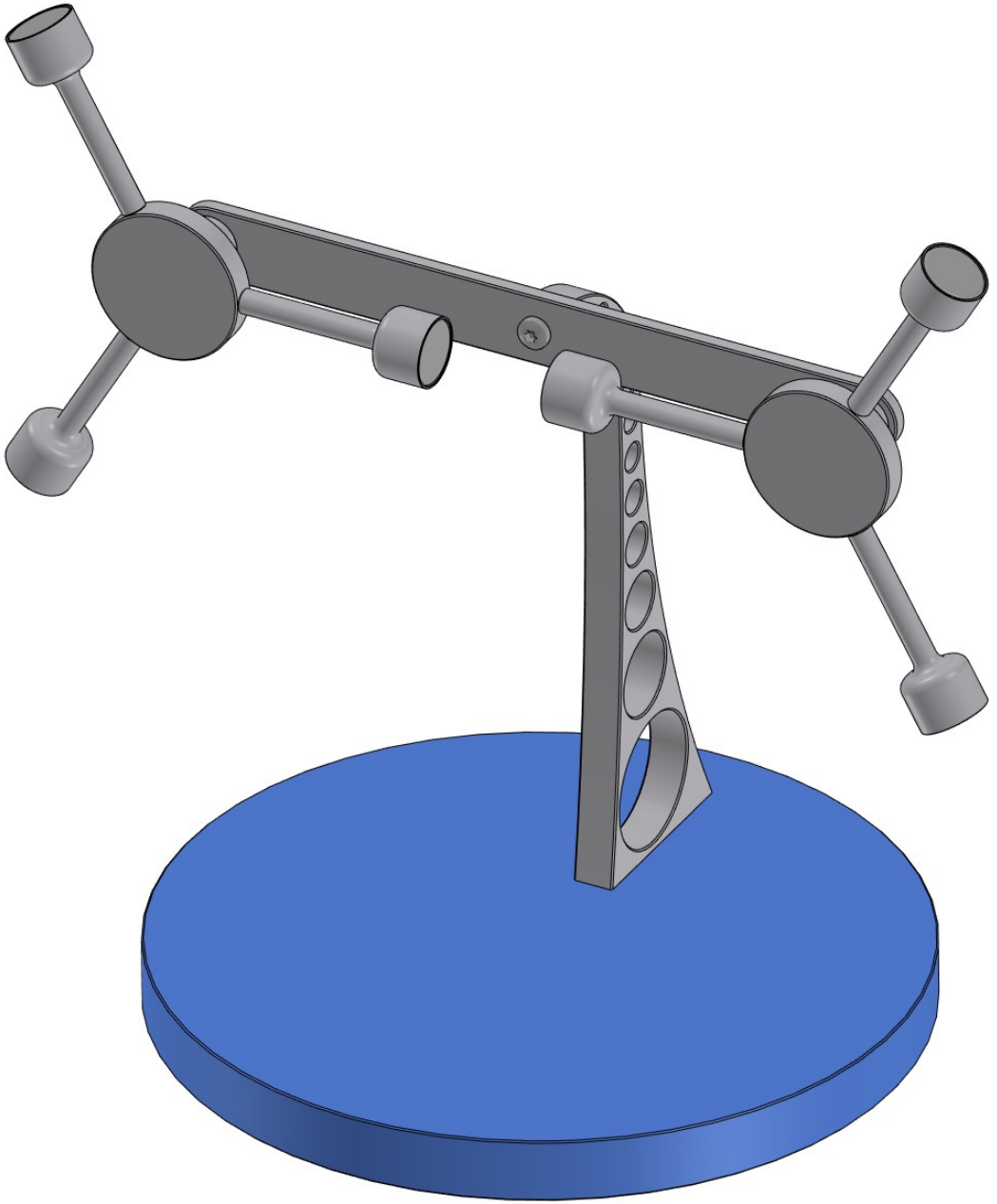
Kontax Chaos Magnets assembly instructions

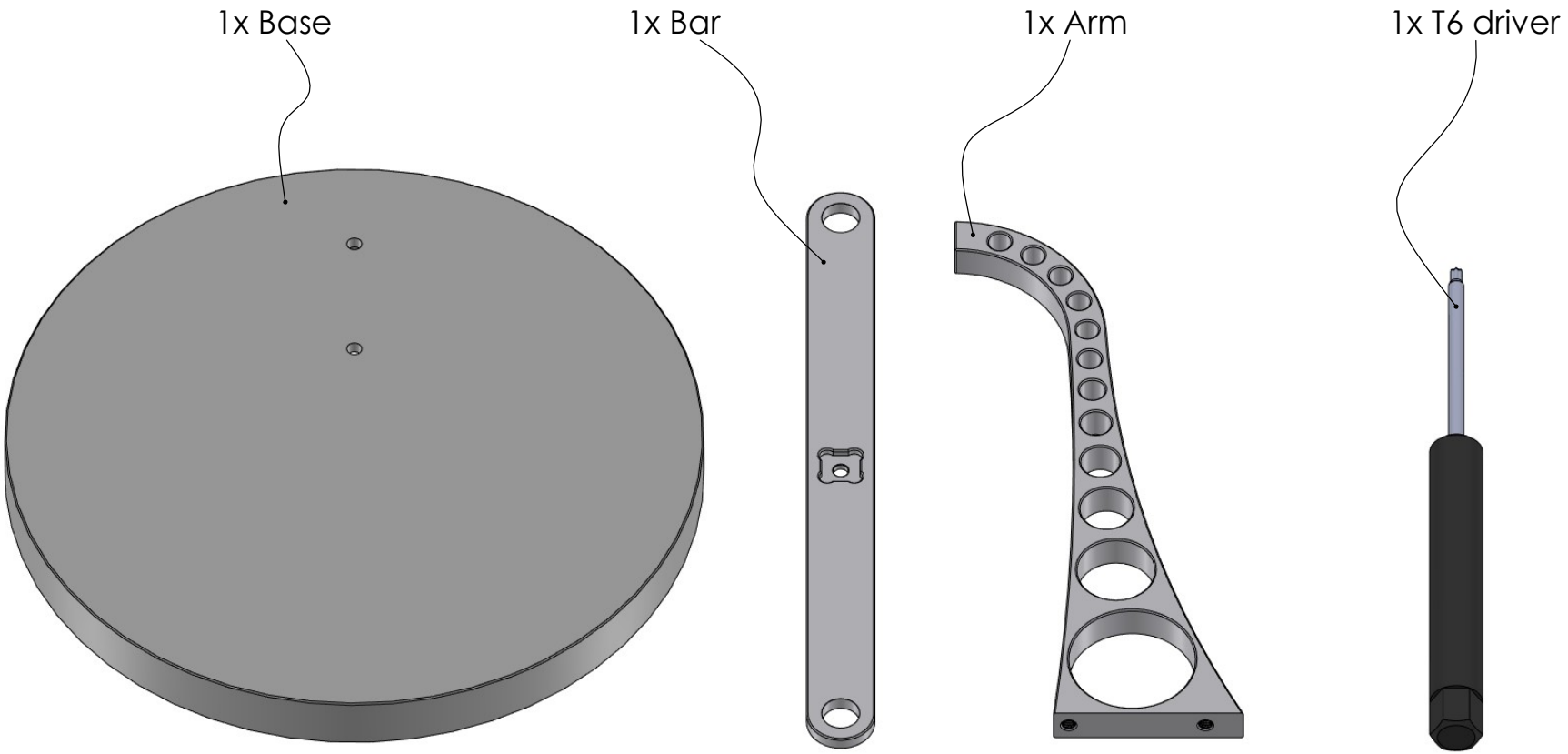


Please read all the way through the assembly instructions to familiarise yourself with the process before you start and pay close attention to the alignment of all the parts in the diagrams.

Assembly should take approximately 15 minutes.

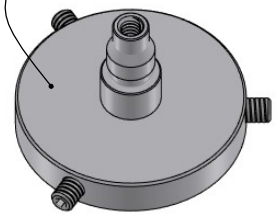
Please take great care when opening the bags of small parts! It is recommended to remove the packing tray from the box and open the bags over the box to catch dropped parts.

Parts 1



Parts 2

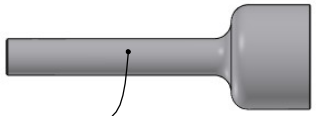
2x Hub



2x Bearing cup

4x Rubber foot

2x 7mm Bearing



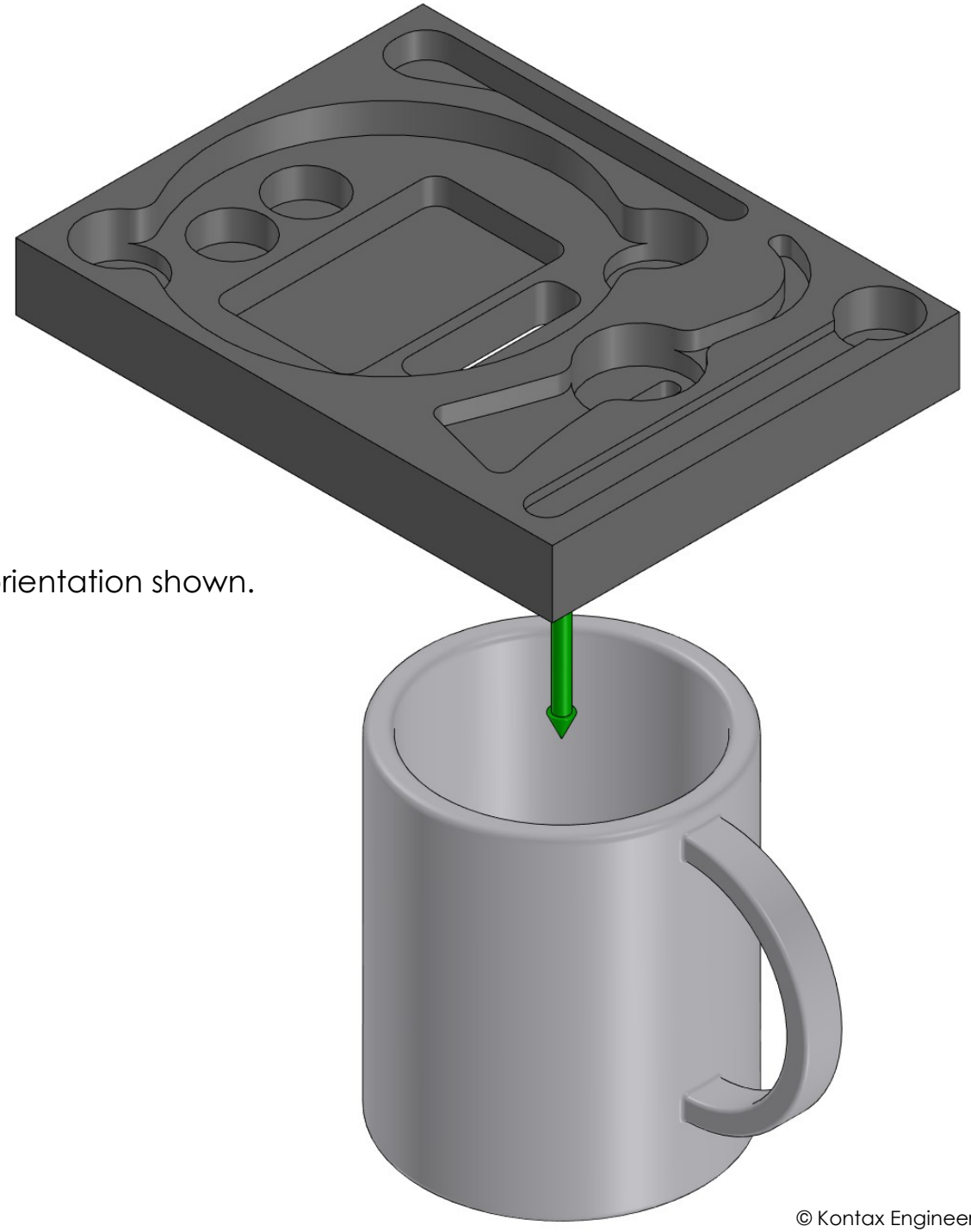
6x Magnets

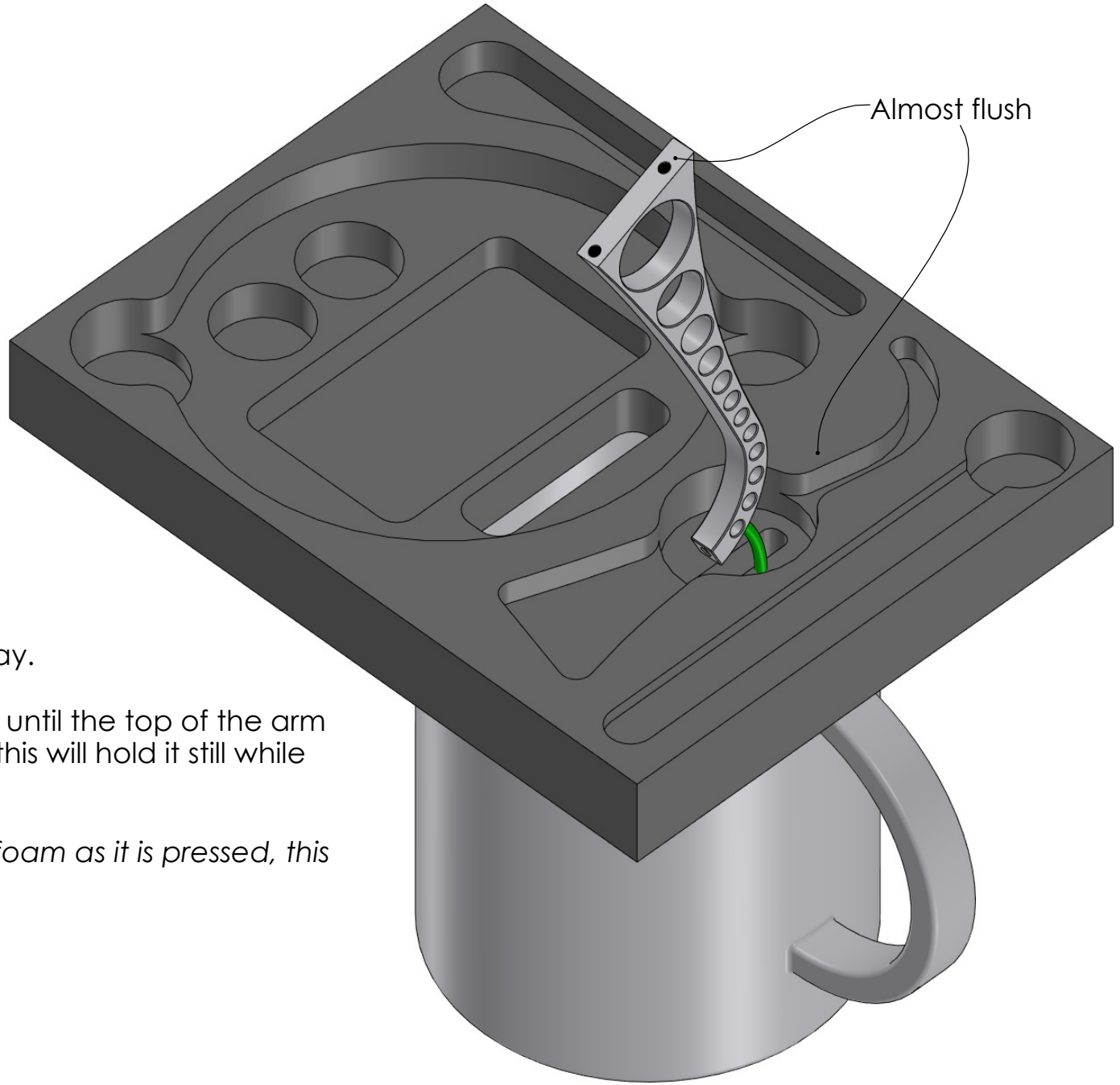
3x M2x4 roundhead screw (1 spare)

3x M2x6 countersunk screw (1 spare)

2x 5mm Bearing

Place the tray over a mug in the orientation shown.

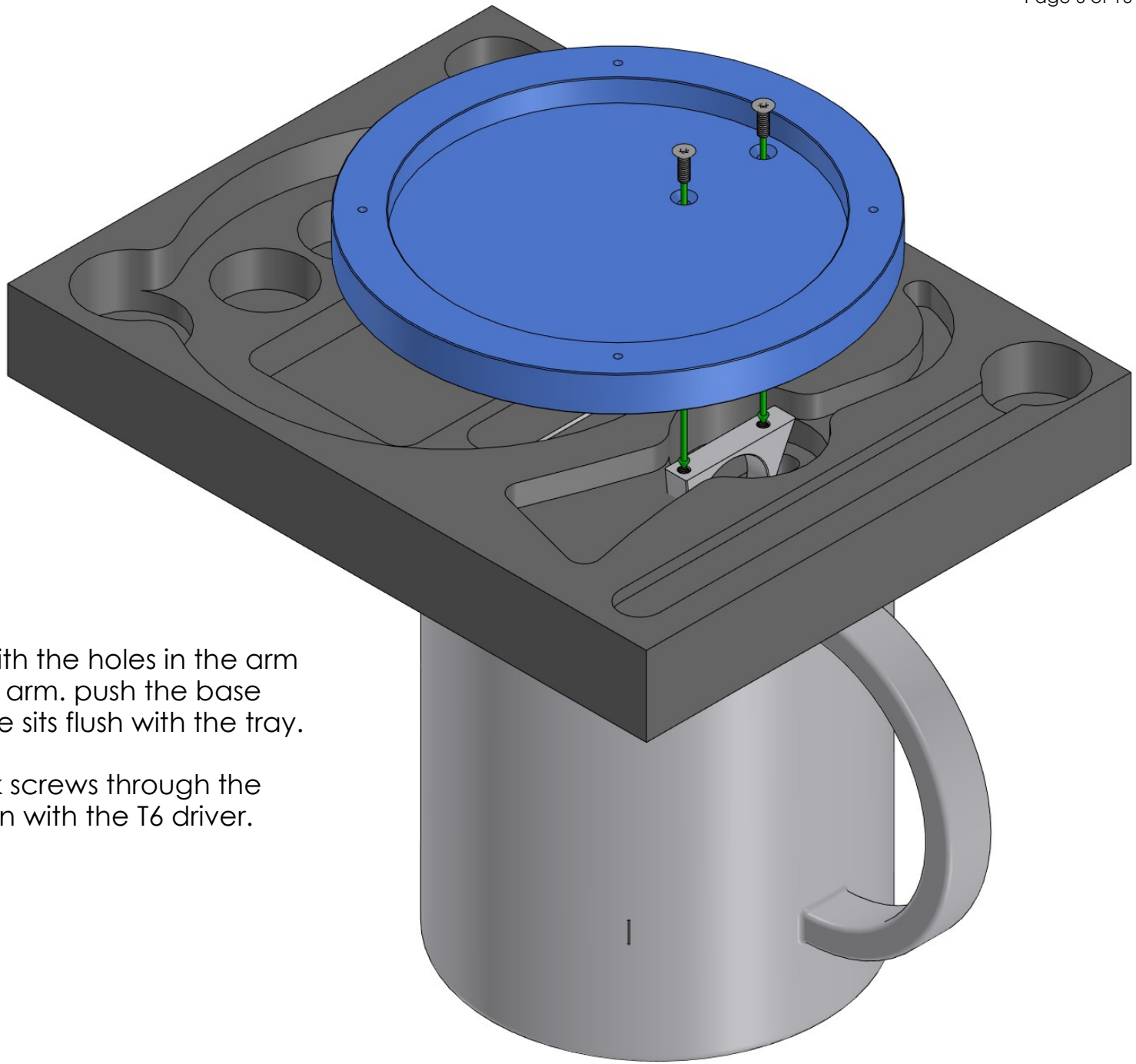




Fit the arm into the slot in the tray.

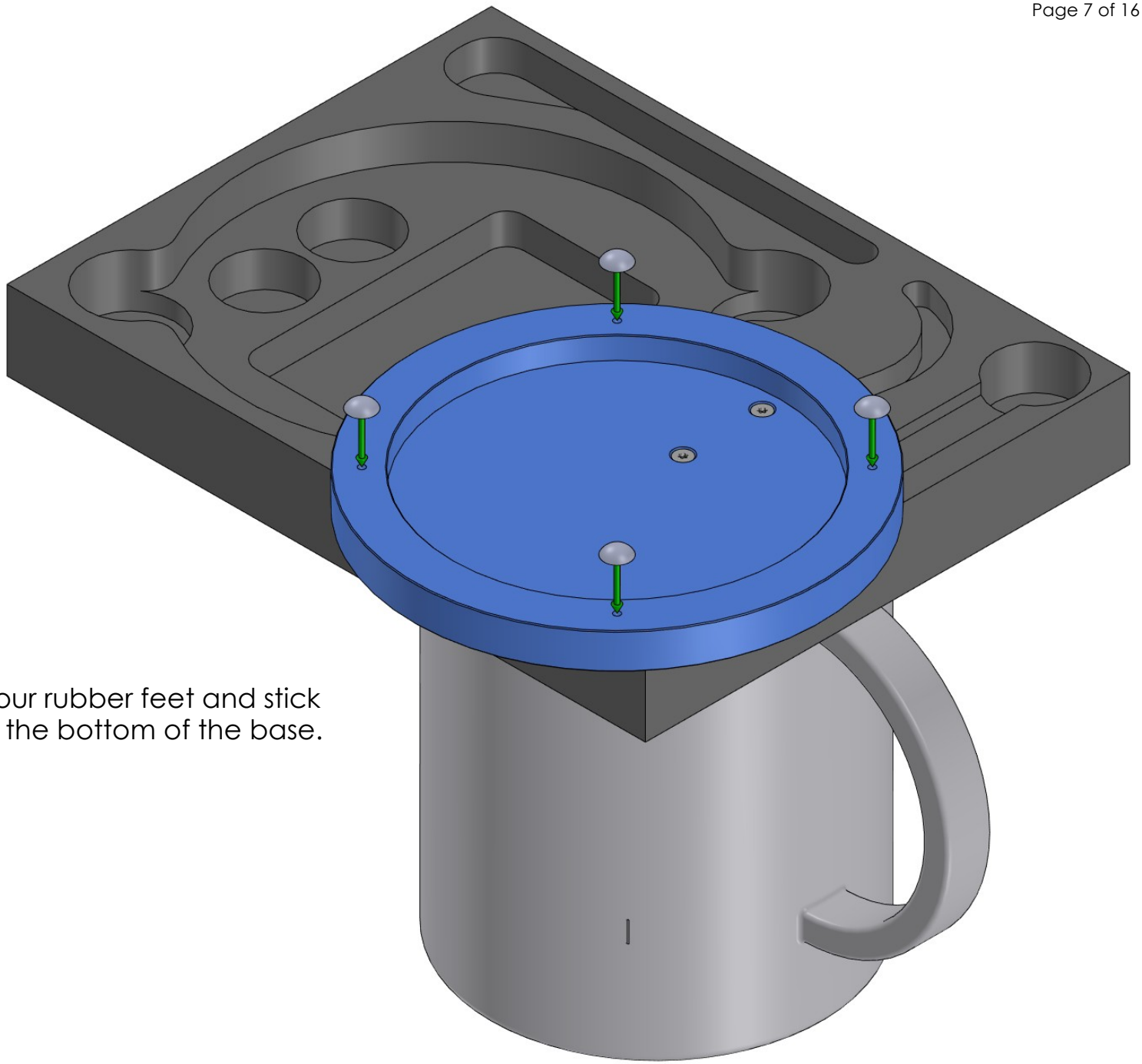
Push it down into the foam tray until the top of the arm is flush with the top of the tray, this will hold it still while the base is attached.

Note, the arm will bite into the foam as it is pressed, this is normal.

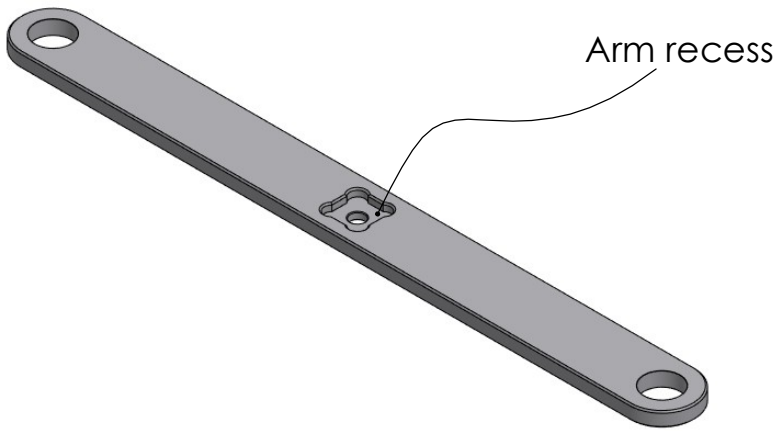


Align the holes in the base with the holes in the arm and lower the base onto the arm. push the base onto the arm so that the base sits flush with the tray.

Screw two M2x6 countersunk screws through the base into the arm and tighten with the T6 driver.

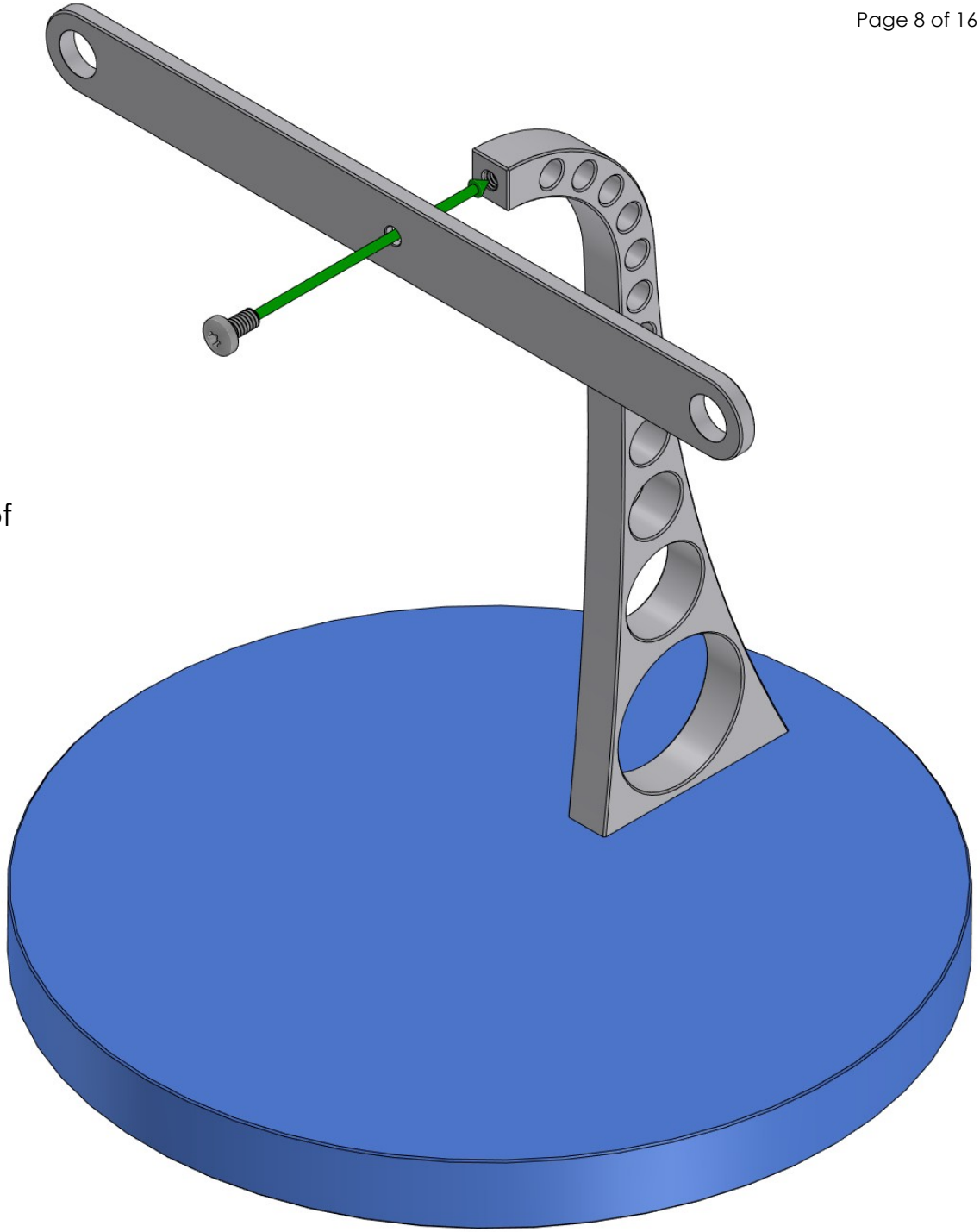


Peel the backing off the four rubber feet and stick them over the dimples on the bottom of the base.

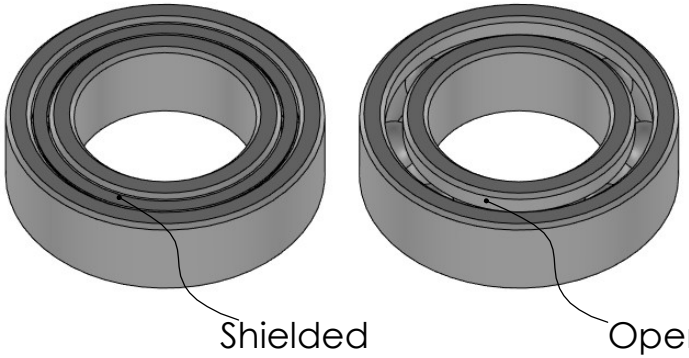


The bar has a recess designed to fit over the top of the arm.

Fit the bar recess onto the arm, screw one of the M2x4 roundhead screws through the bar into the arm and tighten with the T6 driver.

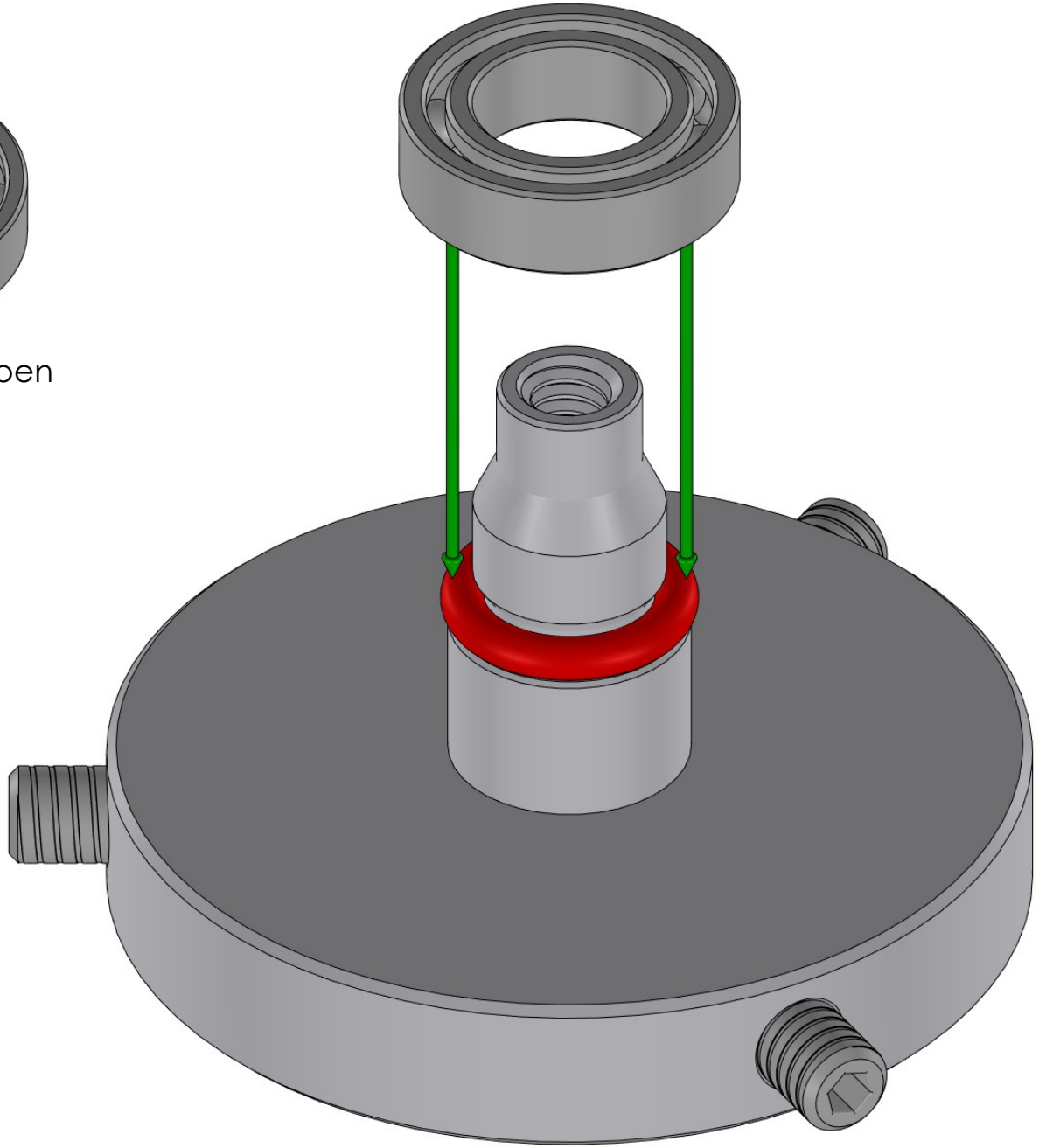


The 7mm bearings have an open side and a shielded side.
The open sides should face upwards when fitted to help prevent ingress of dust.



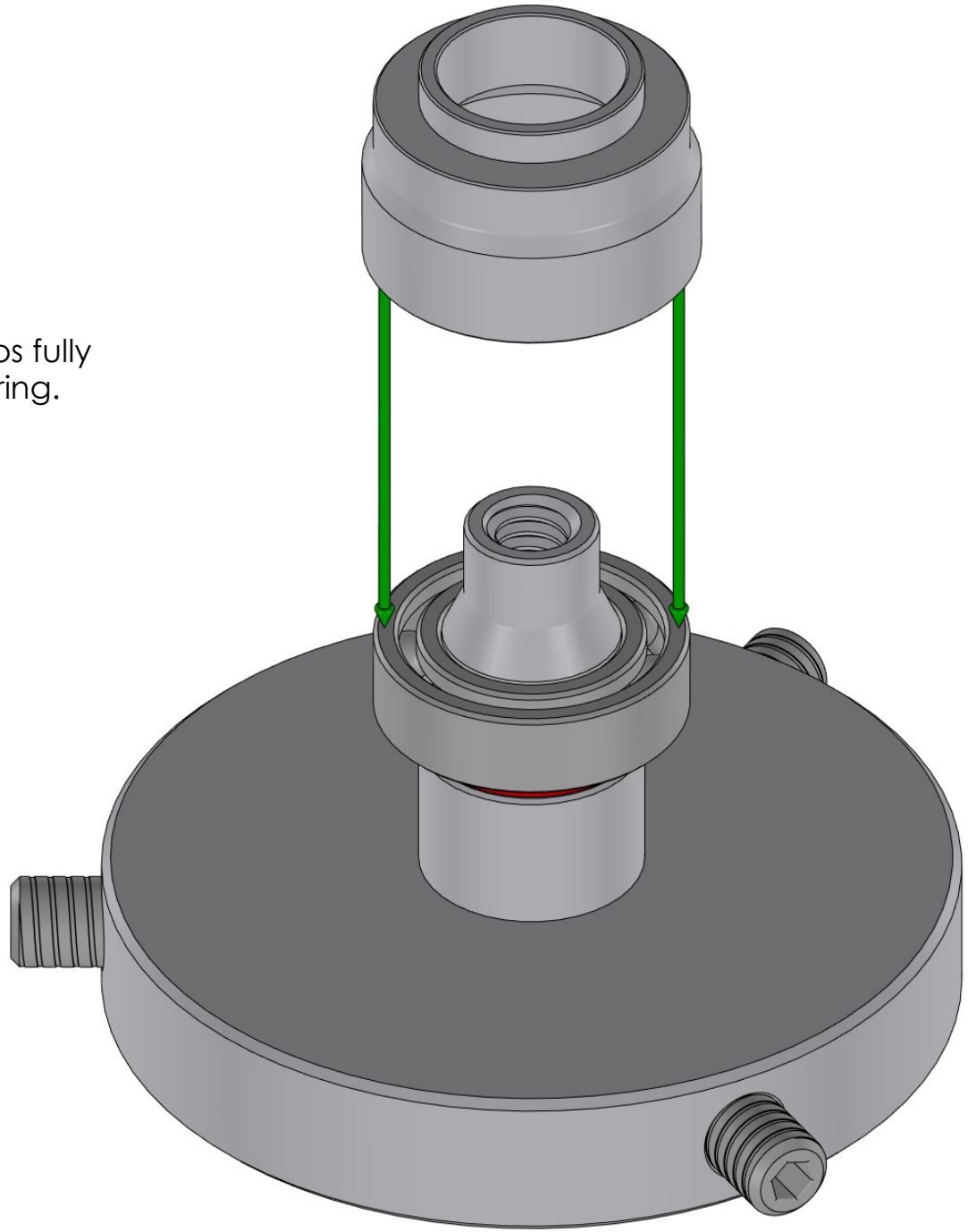
With the open side upwards fit a 7mm bearing onto the axle so that it rests on the red O ring.

Repeat for the second 7mm bearing and hub.



Fit one of the bearing cups fully down over the 7mm bearing.

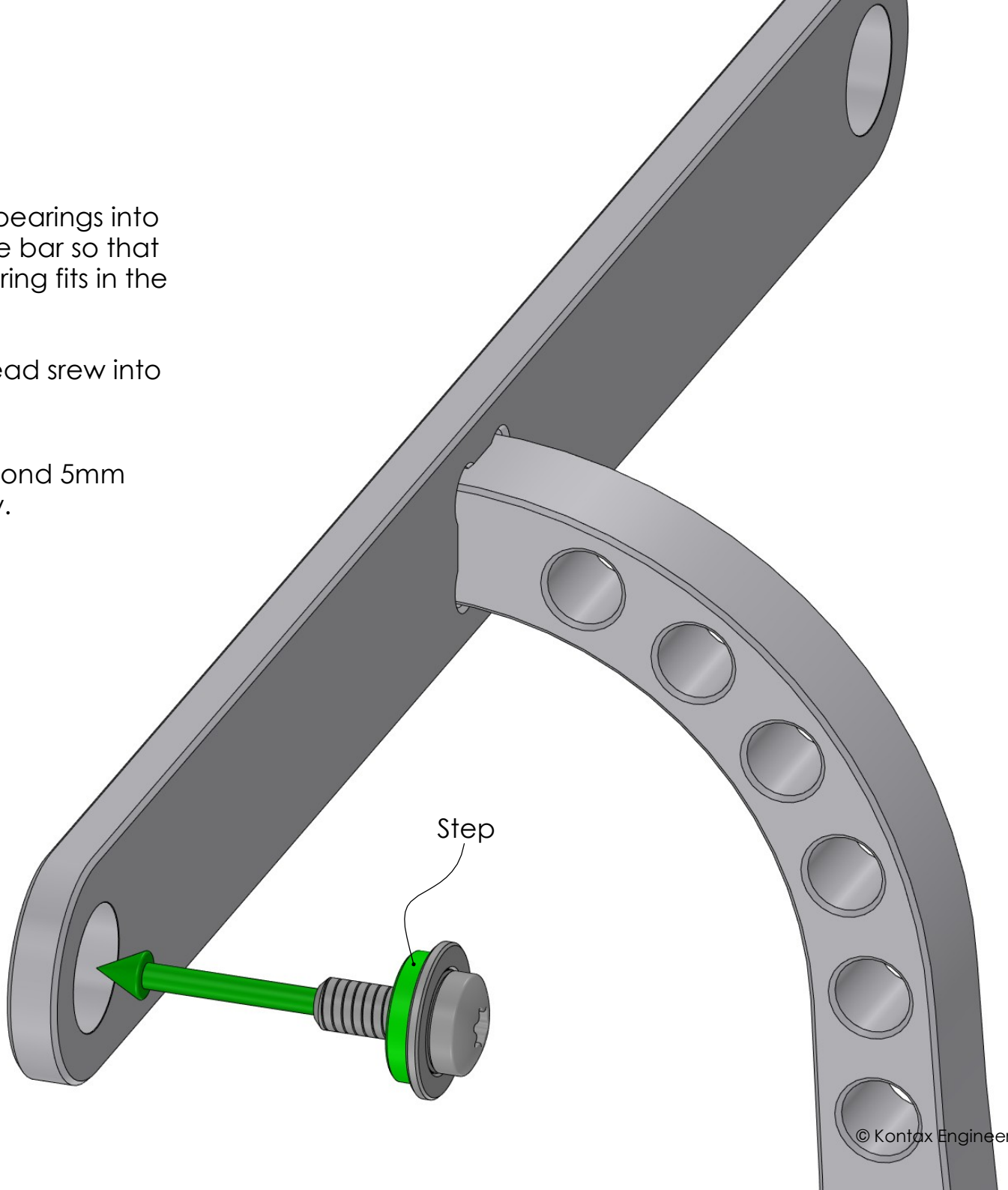
Repeat for the second bearing cup.



Fit one of the 5mm bearings into the back face of the bar so that the step on the bearing fits in the hole in the bar.

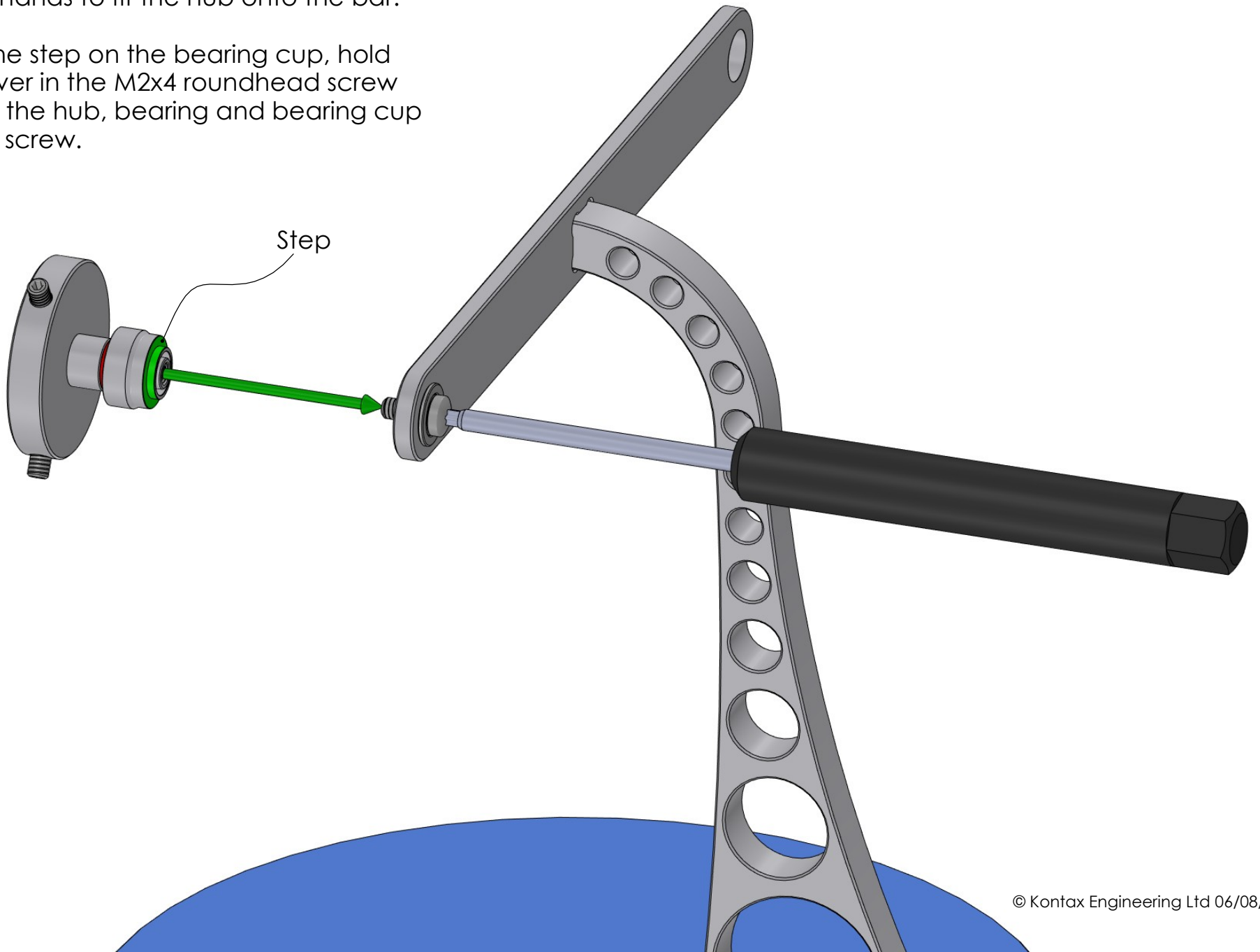
Fit an M2x4 roundhead srew into the bearing.

Repeat for the second 5mm bearing and screw.



In the next assembly stage you will need to use both hands to fit the hub onto the bar.

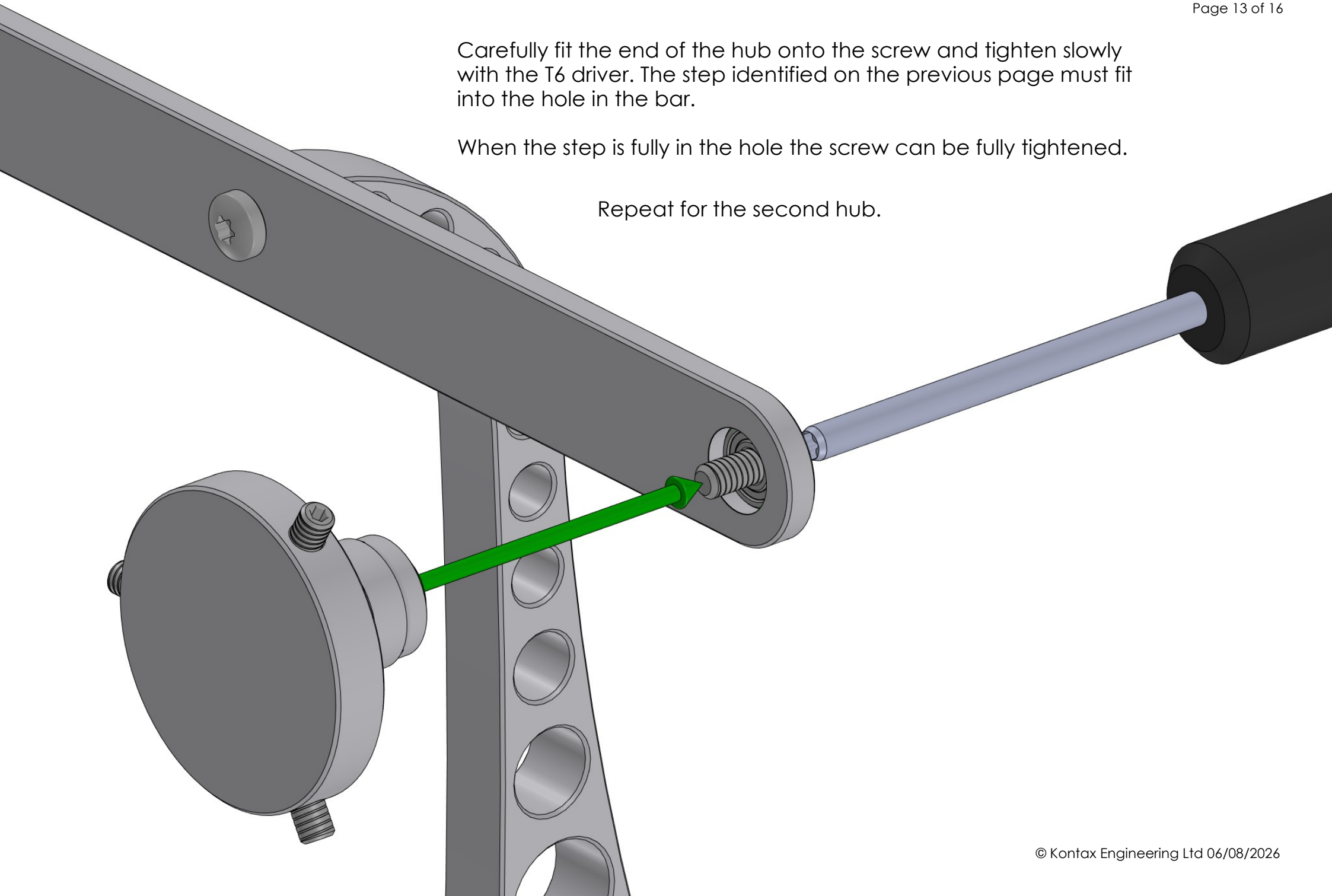
Identify the step on the bearing cup, hold the T6 driver in the M2x4 roundhead screw and offer the hub, bearing and bearing cup up to the screw.



Carefully fit the end of the hub onto the screw and tighten slowly with the T6 driver. The step identified on the previous page must fit into the hole in the bar.

When the step is fully in the hole the screw can be fully tightened.

Repeat for the second hub.



The magnets are supplied stacked flat in a stable configuration.

The orientation is:

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NSN
SNS
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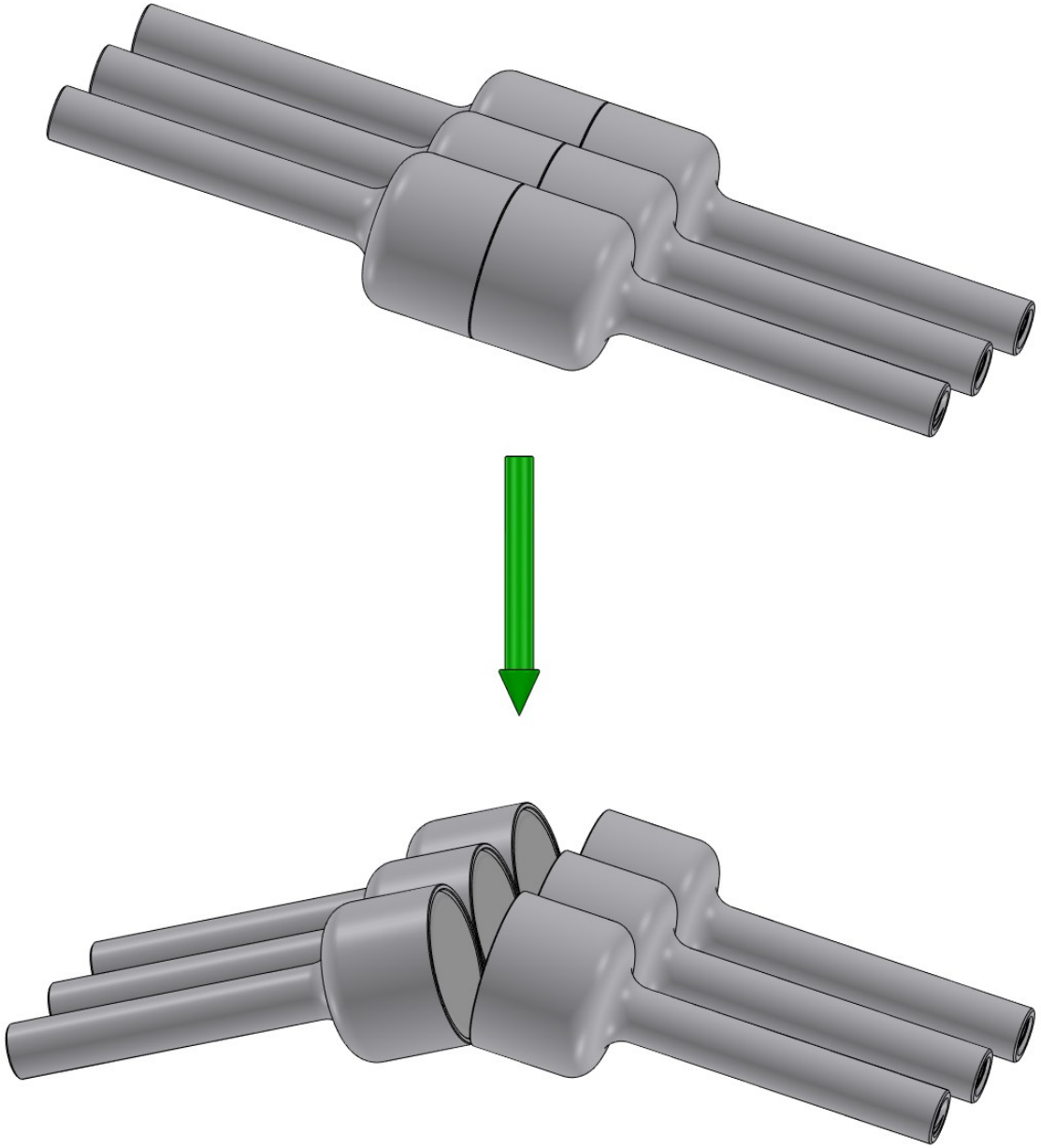
Grip the rows of magnets firmly and break them apart. Once the stacks are apart they will try to re-orient into a stable configuration, continue holding the magnets firmly and allow then to re-orient slowly. Put each re-oriented row on your work surface at least 40cm apart so that they don't snap back together.

One stack will go on one hub and the other will go the other hub, this gives two north poles and a south on the first hub and two south poles and a north on the second.

This distribution of magnetic poles has been tested to give the best chaotic motion.

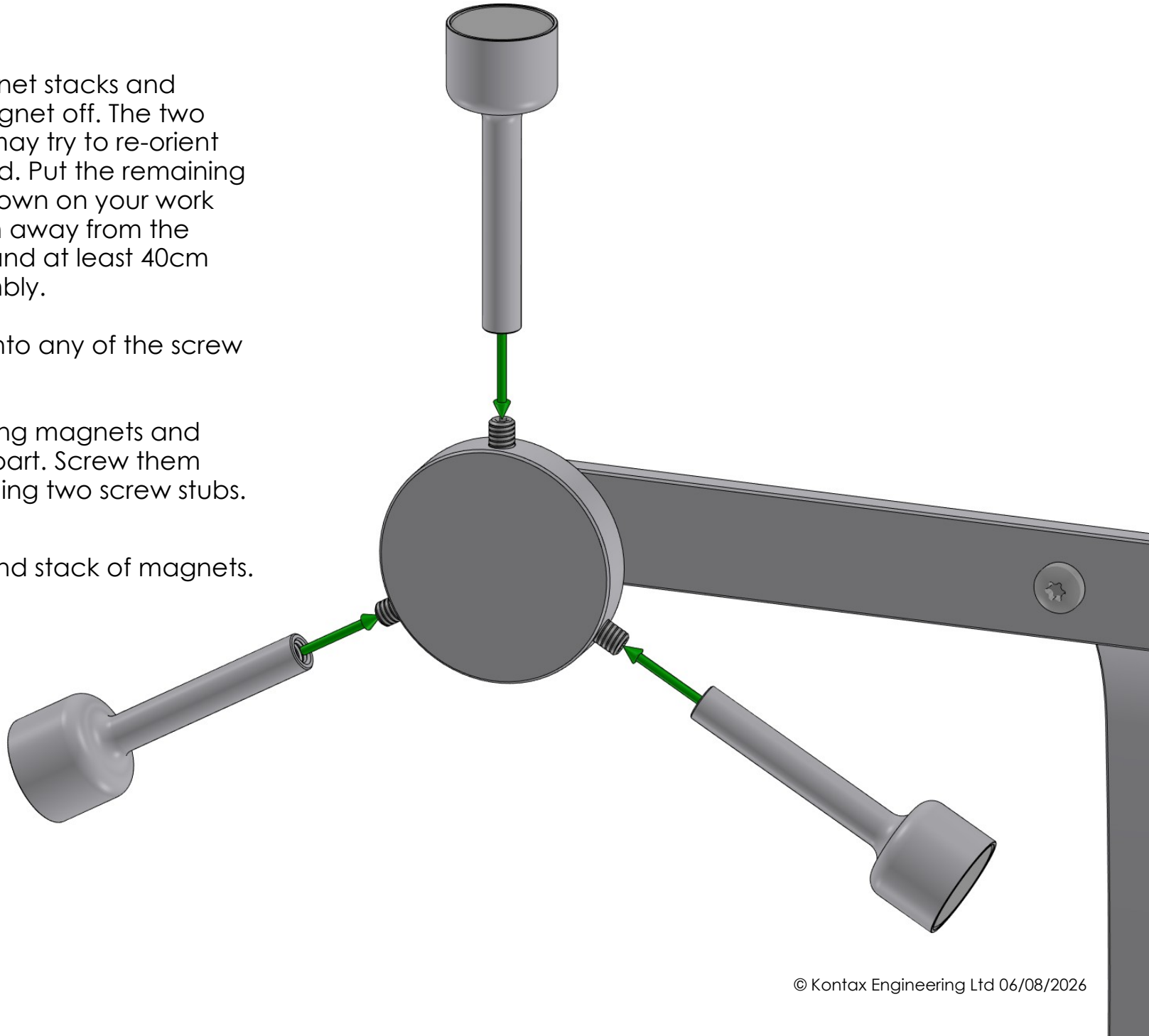


Take one of the magnet stacks and carefully pull one magnet off. The two remaining magnets may try to re-orient again, this is expected. Put the remaining two magnets back down on your work surface at least 40cm away from the other stack of three and at least 40cm away from the assembly.

Screw the magnet onto any of the screw stubs on the first hub.

Take the two remaining magnets and carefully pull them apart. Screw them both onto the remaining two screw stubs.

Repeat for the second stack of magnets.



Your Kontax Kontax Chaos Magnets in now fully assembled.

If you need help you can email us at:
support@stirlingengine.co.uk