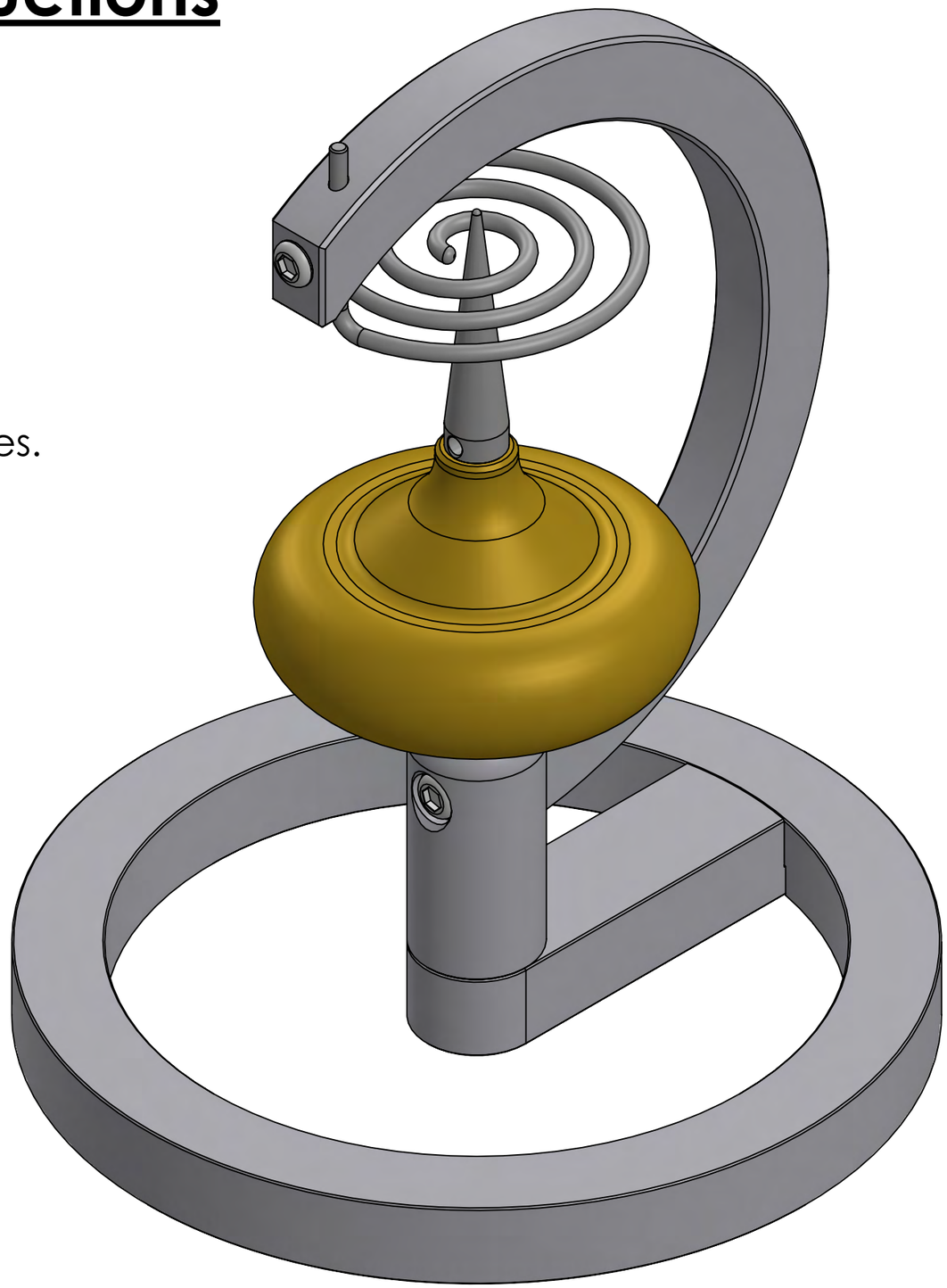
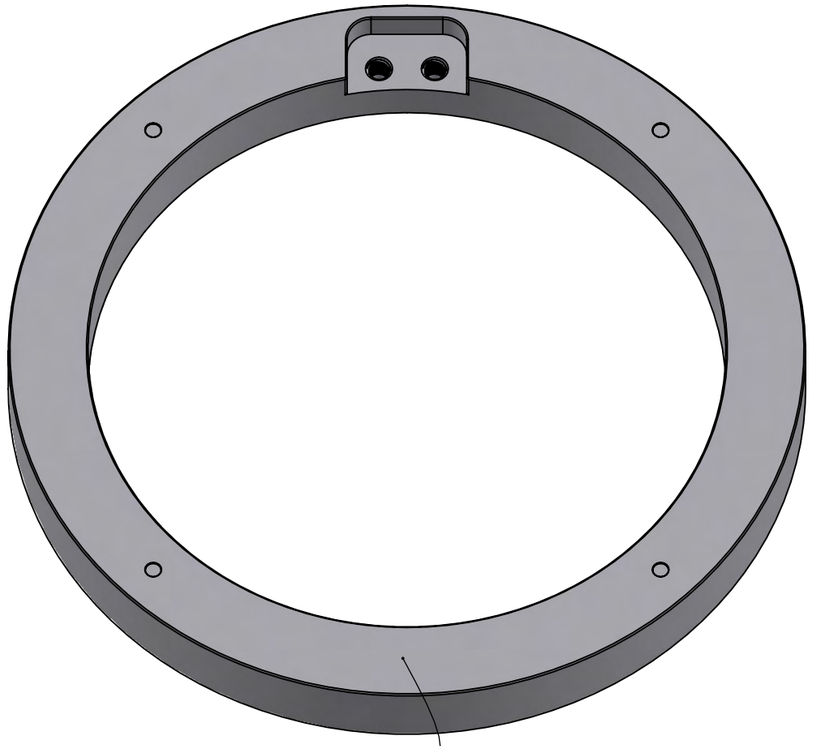
Maxwell's Top assembly instructions

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.

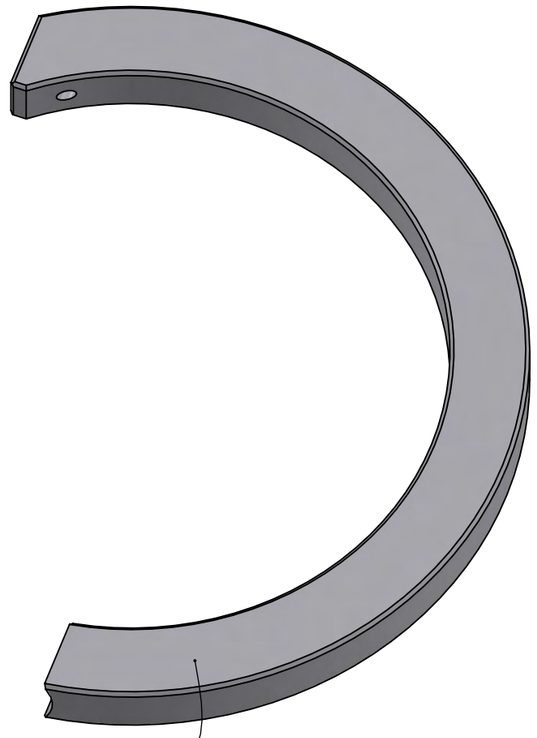
Assembly time should be approximately 10-15 minutes.



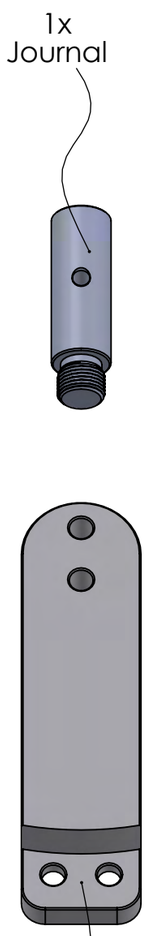
Main parts



Base
1x

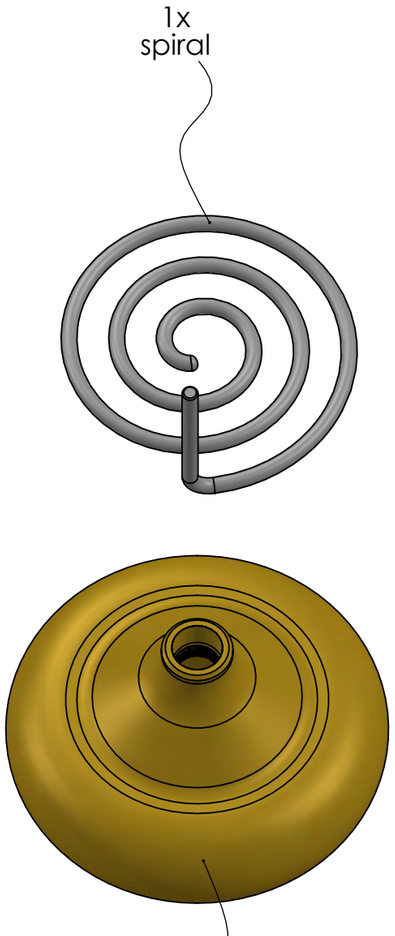


Arm
1x



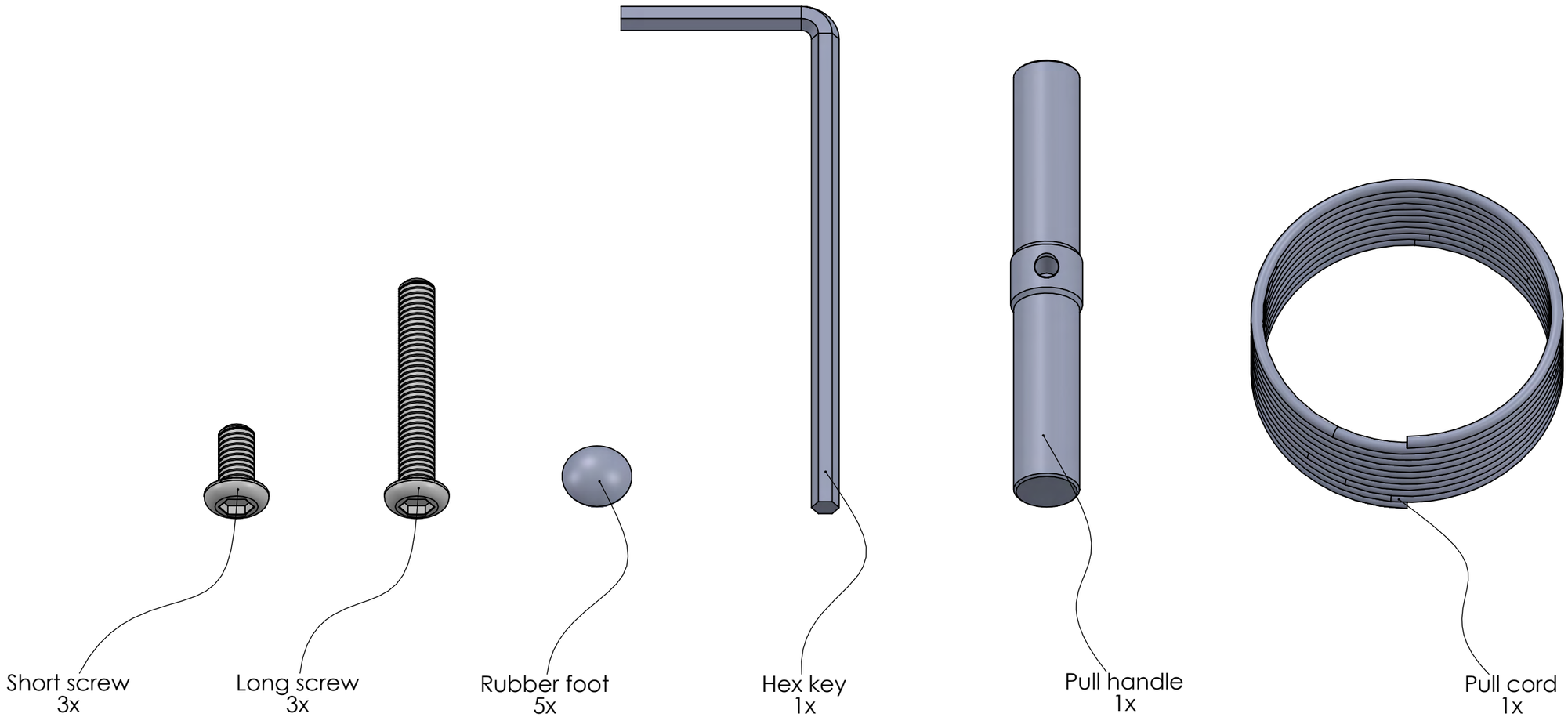
Strut
1x

Pillar
1x

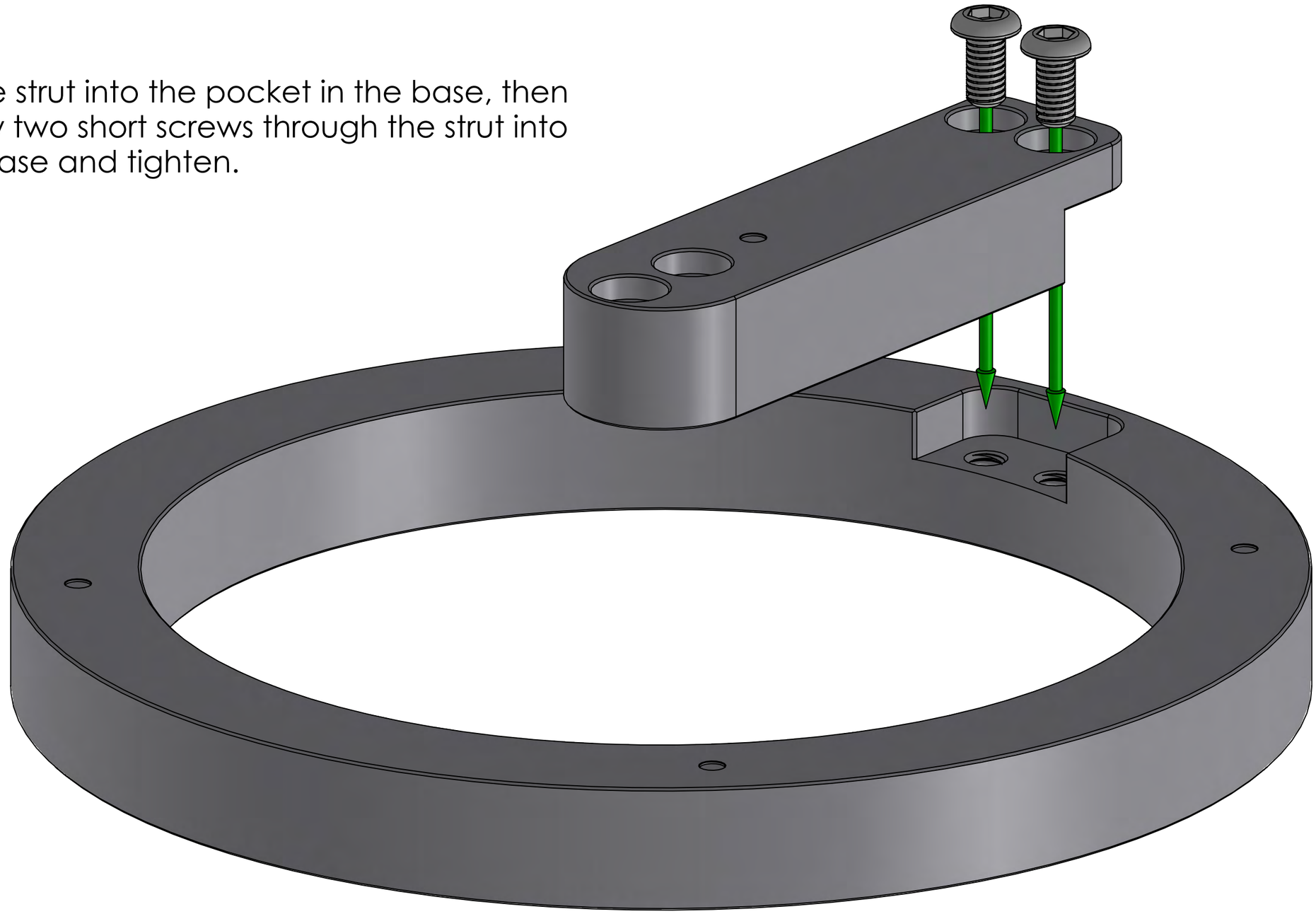


Rotor
1x

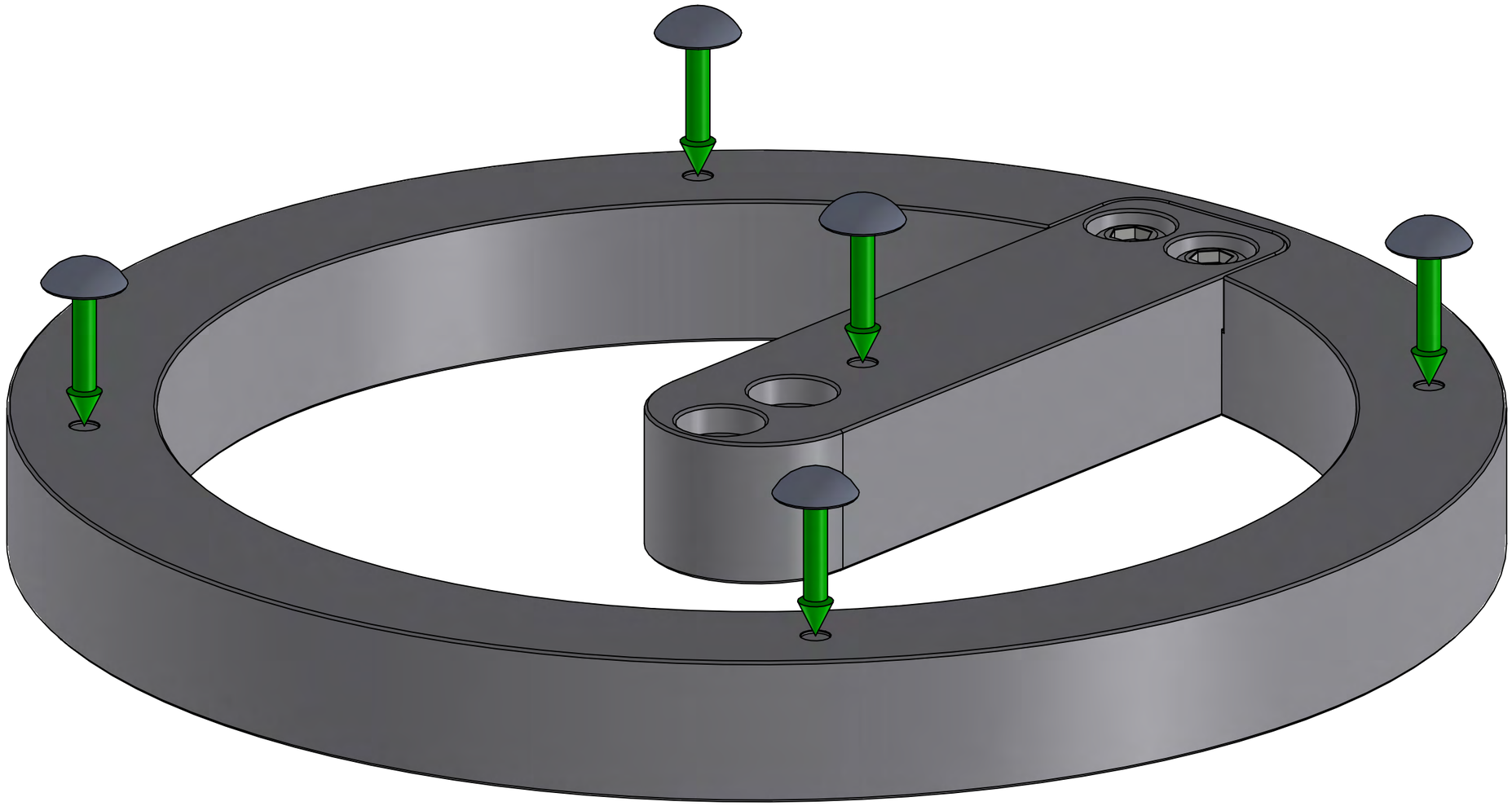
Small parts



Fit the strut into the pocket in the base, then screw two short screws through the strut into the base and tighten.

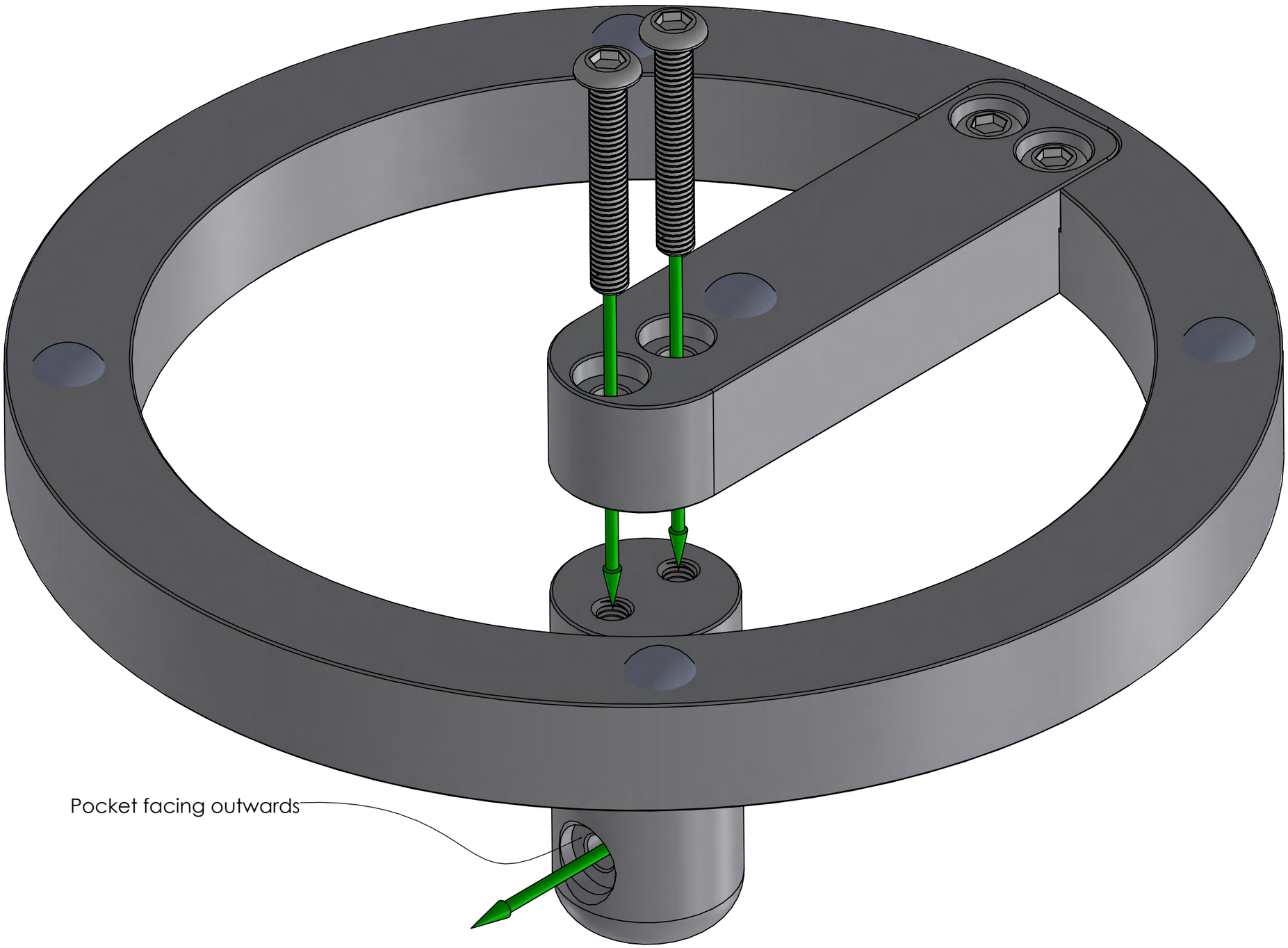


Peel the backing off the five adhesive rubber feet and stick them over the dimples on the bottoms of the base and strut.



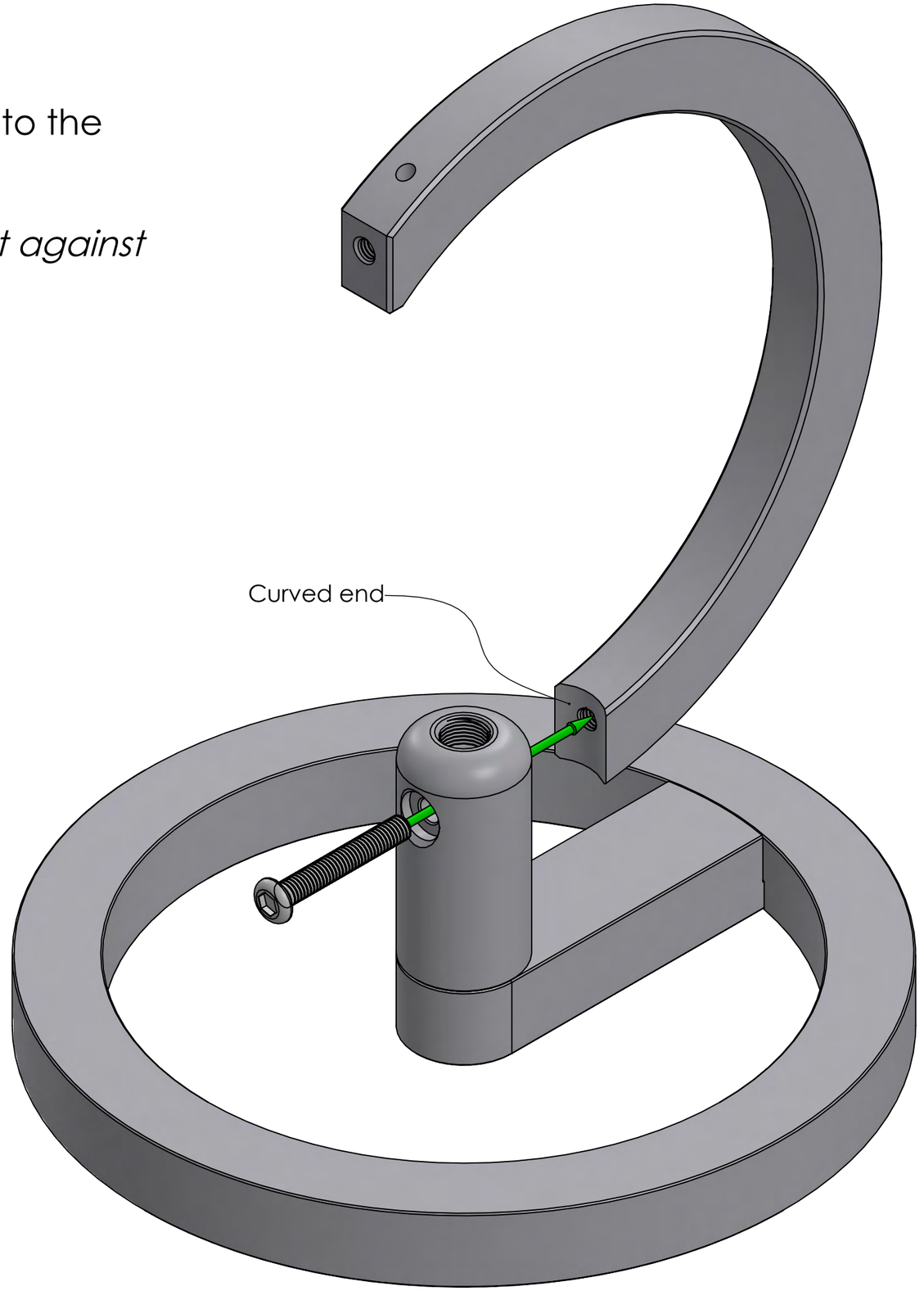
Screw two long screws through the strut into the pillar and tighten.

Note: the pocket on the pillar should face outwards as shown.

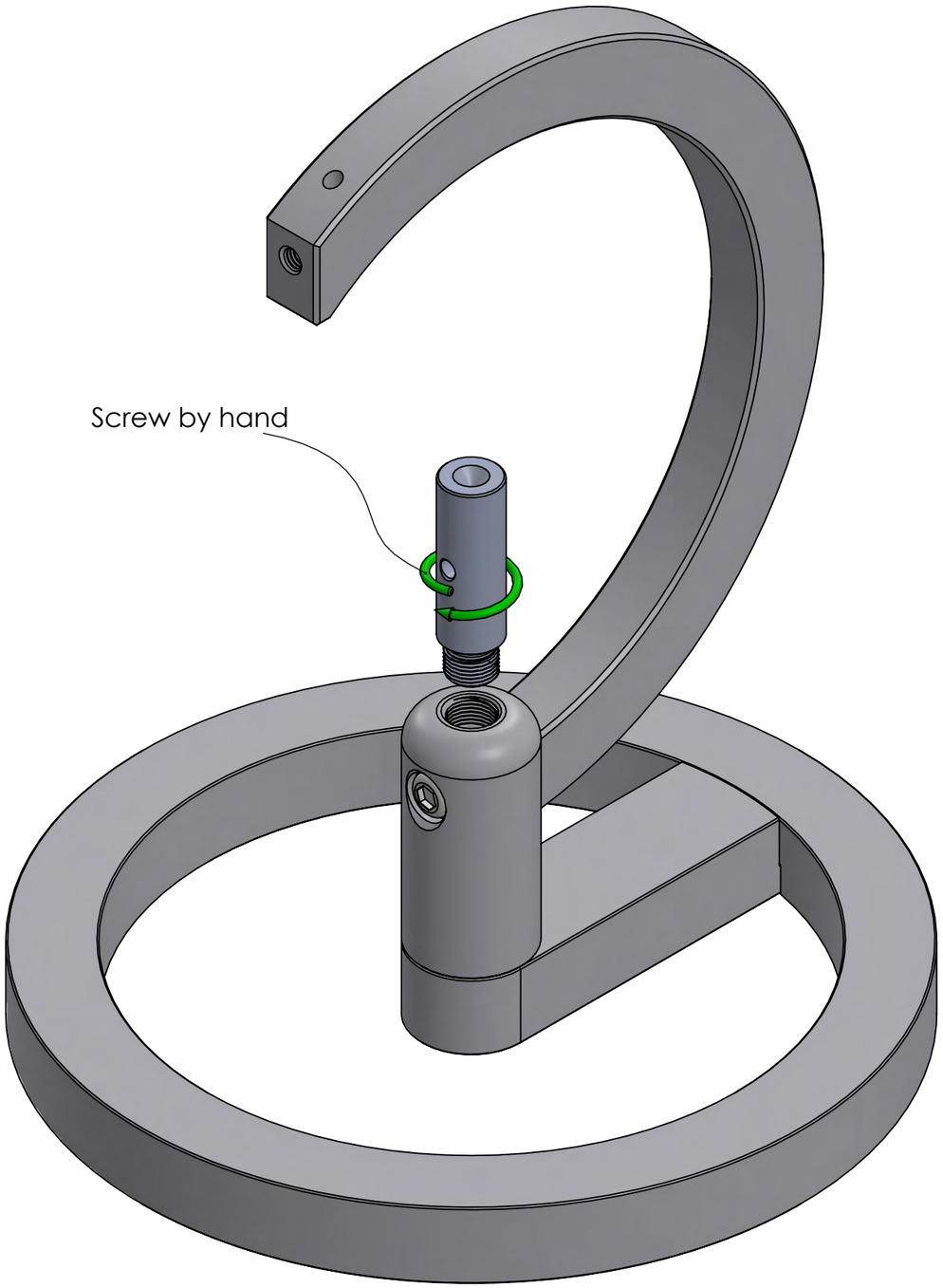


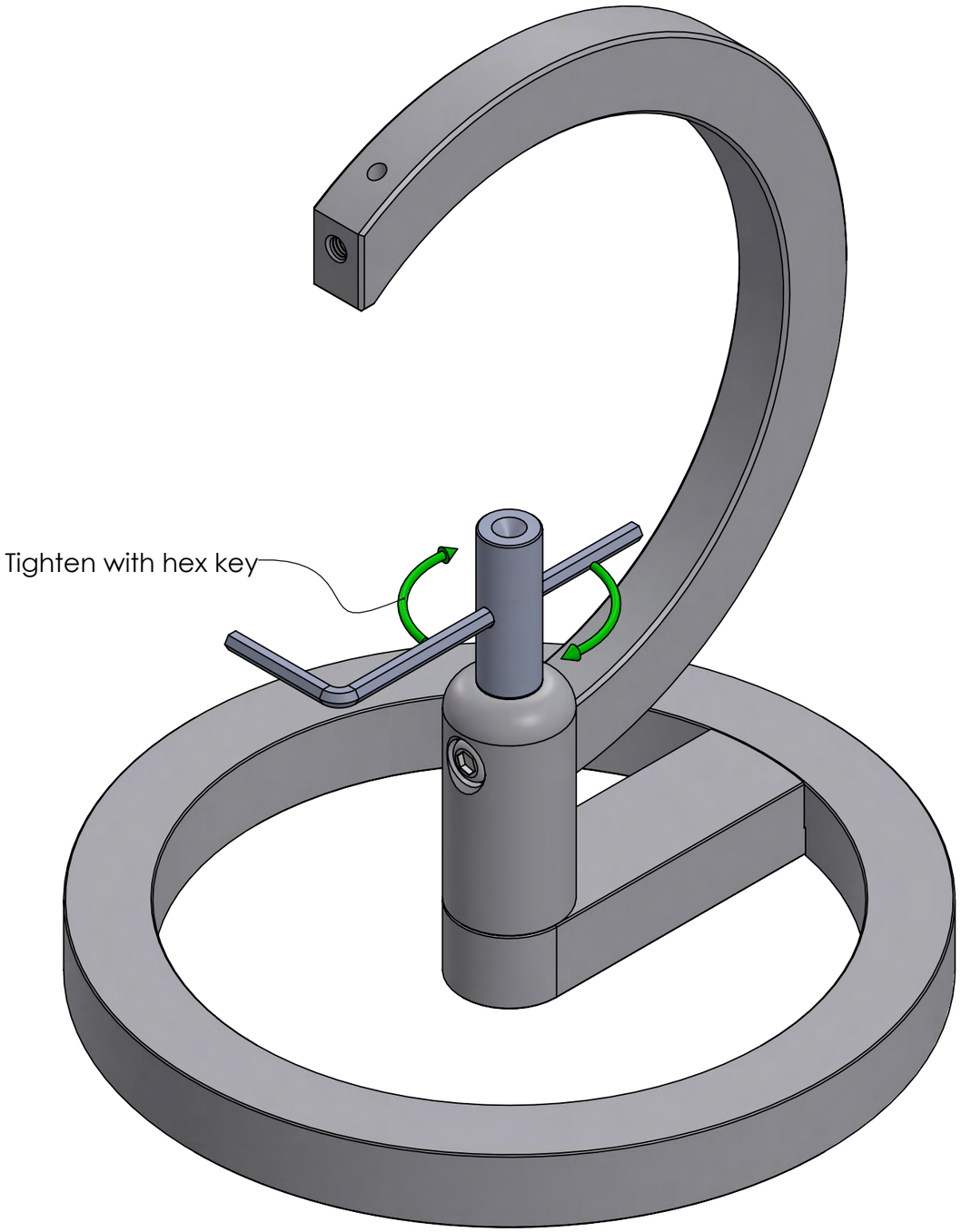
Screw one long screw through the pillar into the arm and tighten.

Note: the curved end of the arm should fit against the pillar as shown.



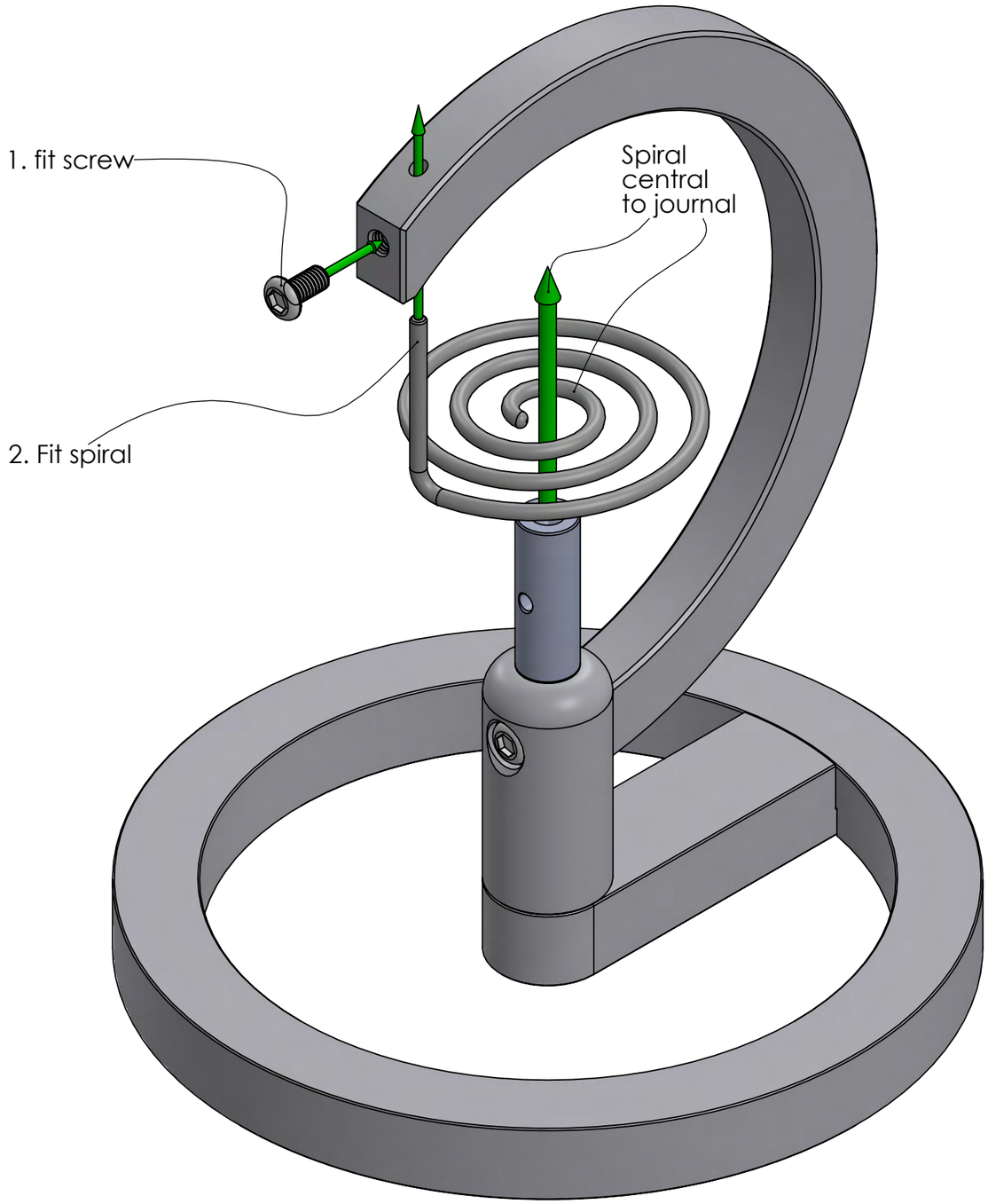
Screw the journal into the pillar by hand and use the hex key through the hole to tighten.





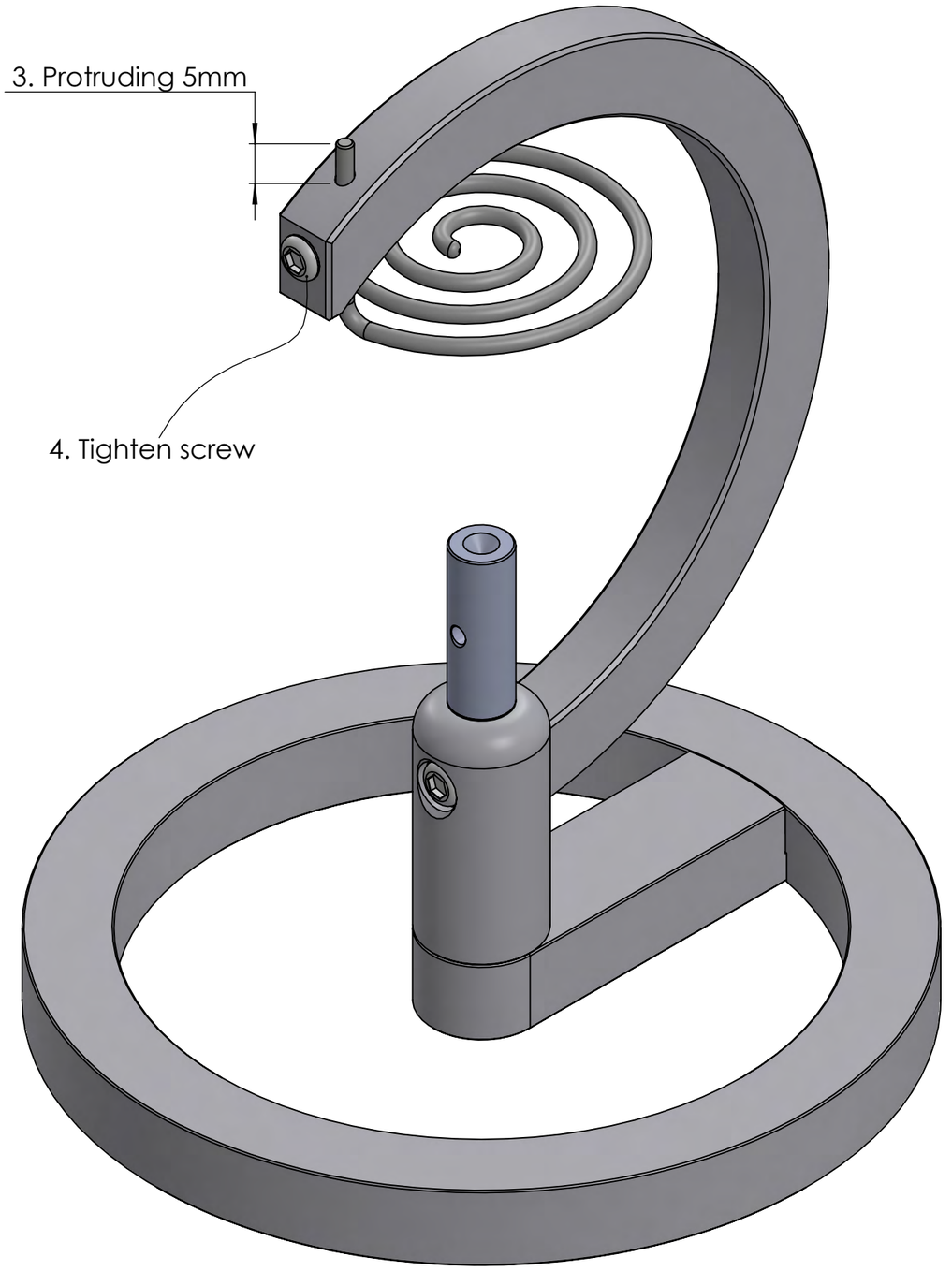
1. Screw one short screw a couple of turns into the arm.

2.Align the spiral centrally over the journal and fit it into the arm as shown.

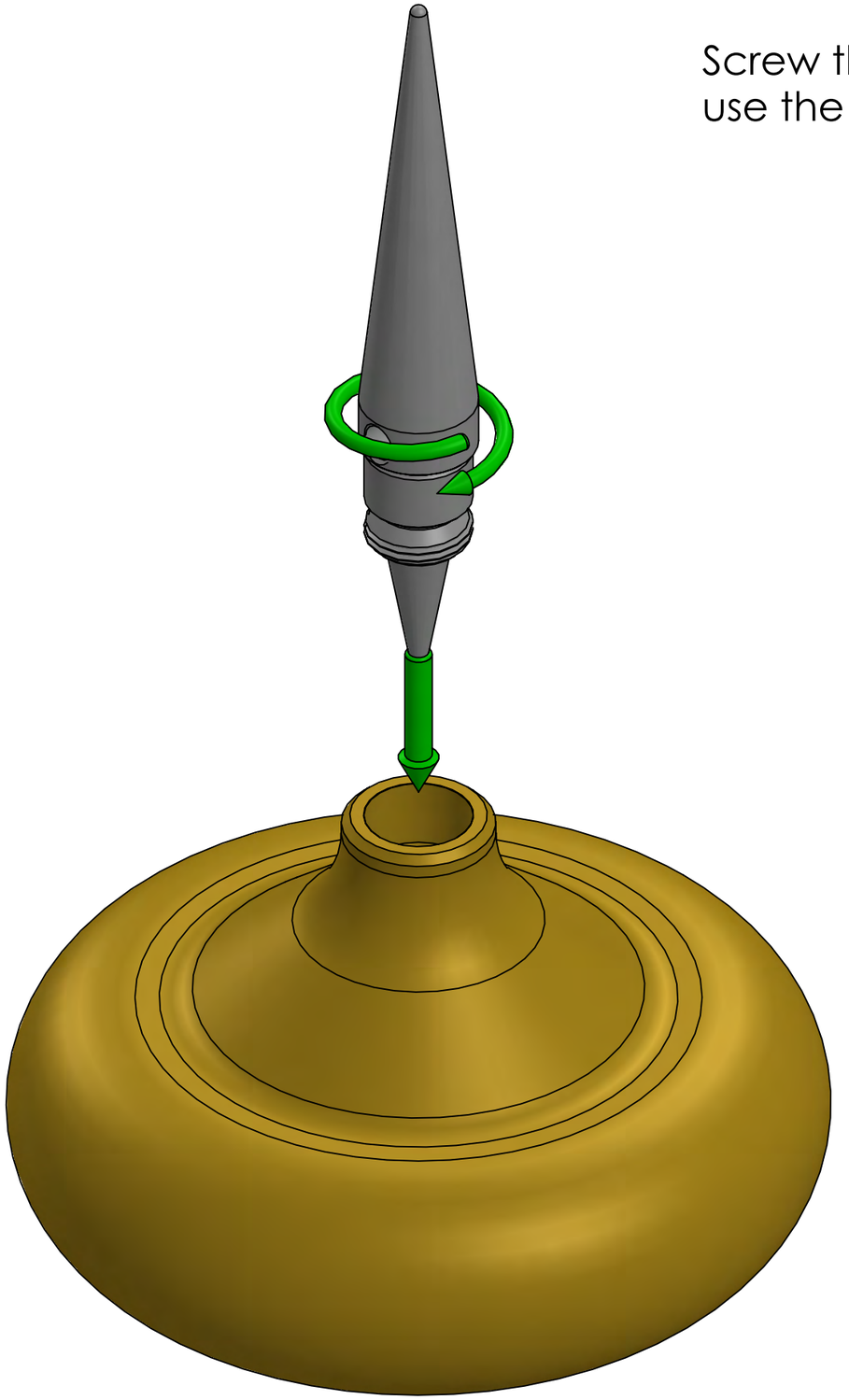


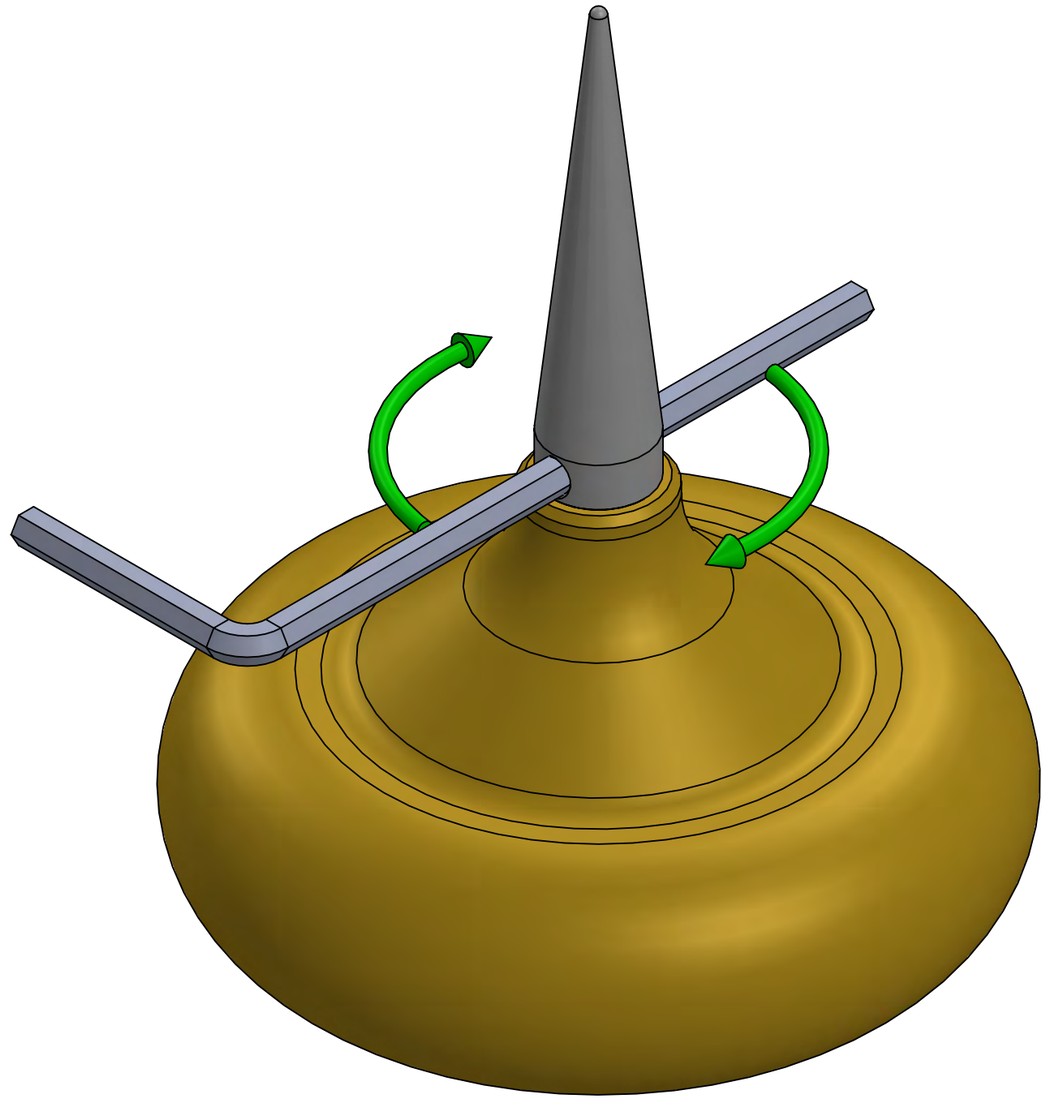
3. Position the spiral with 5mm protruding from the arm.

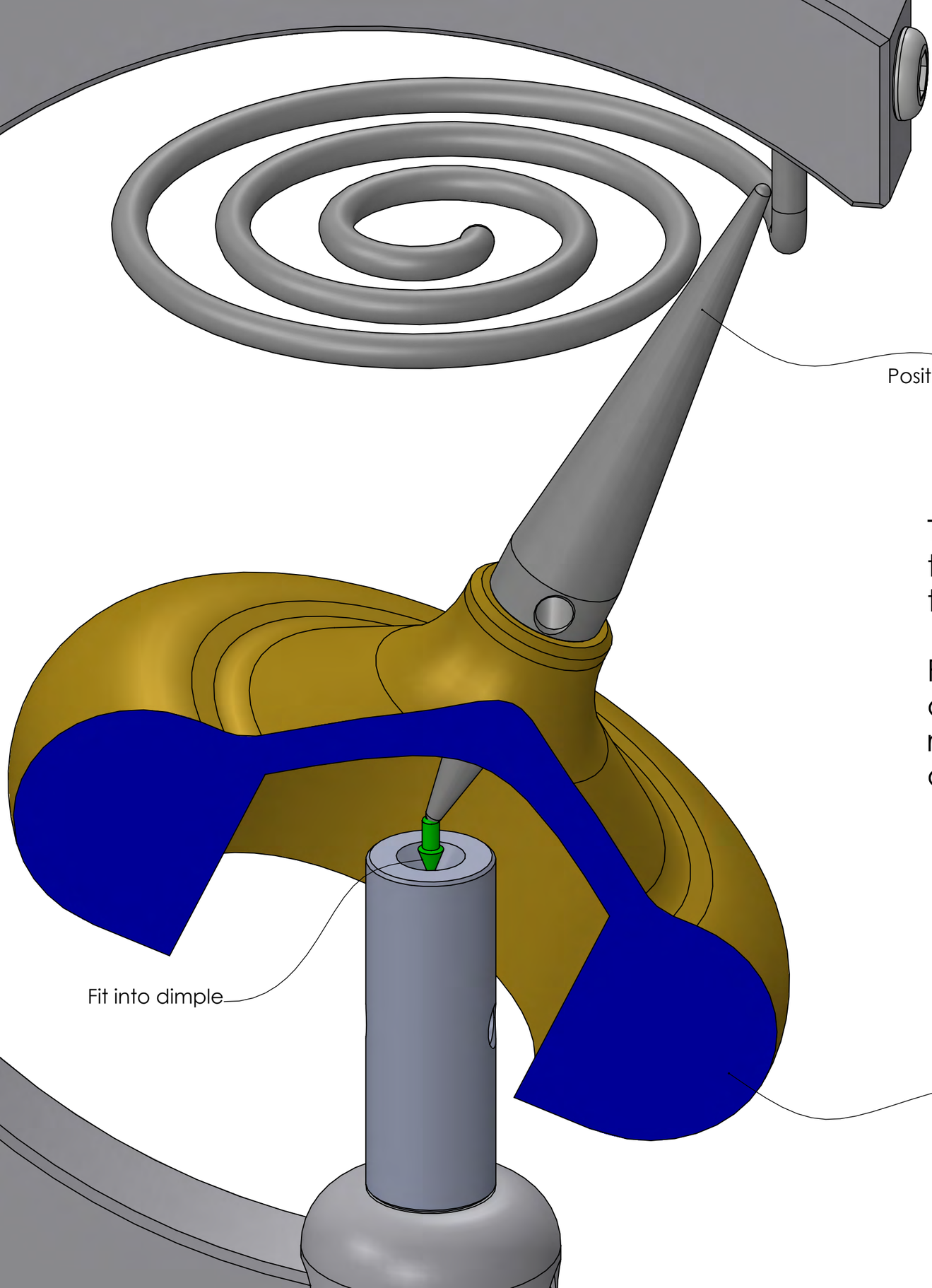
4. Make sure the spiral is still aligned centrally over the journal and tighten the screw onto the spiral.



Screw the spindle into the rotor by hand and use the hex key through the hole to tighten.

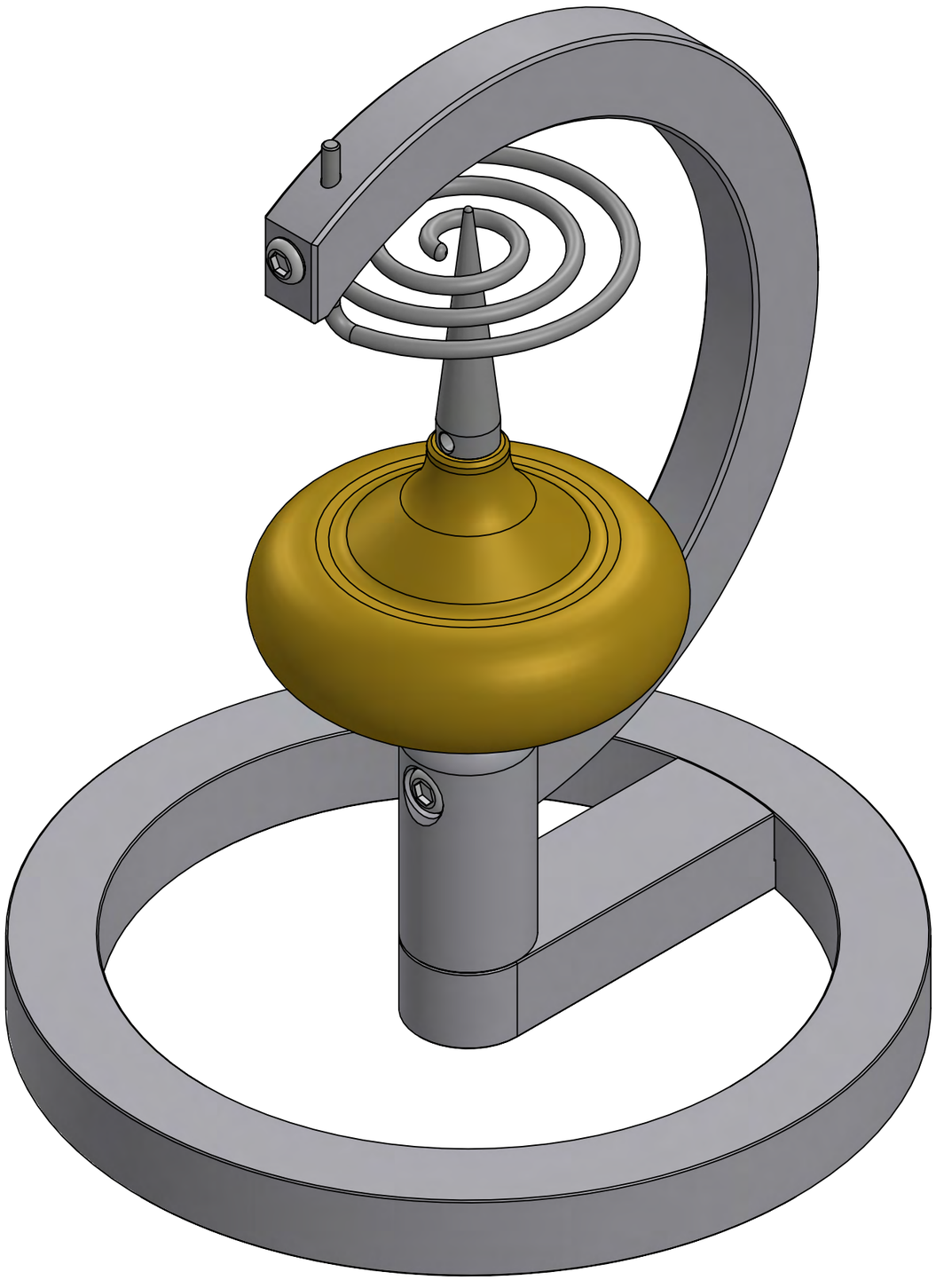






Tilt the rotor and spindle and position so that the top end of the spindle is positioned near the opening in the spiral as shown.

Fit the bottom end of the spindle into the dimple on the journal, the weight of the rotor should hold the top end of the spindle against the spiral.



Your Maxwell's top is now fully assembled.

Instructions for use can be found on the next couple of pages.

If you need help with your Maxwell's top you can email us at:

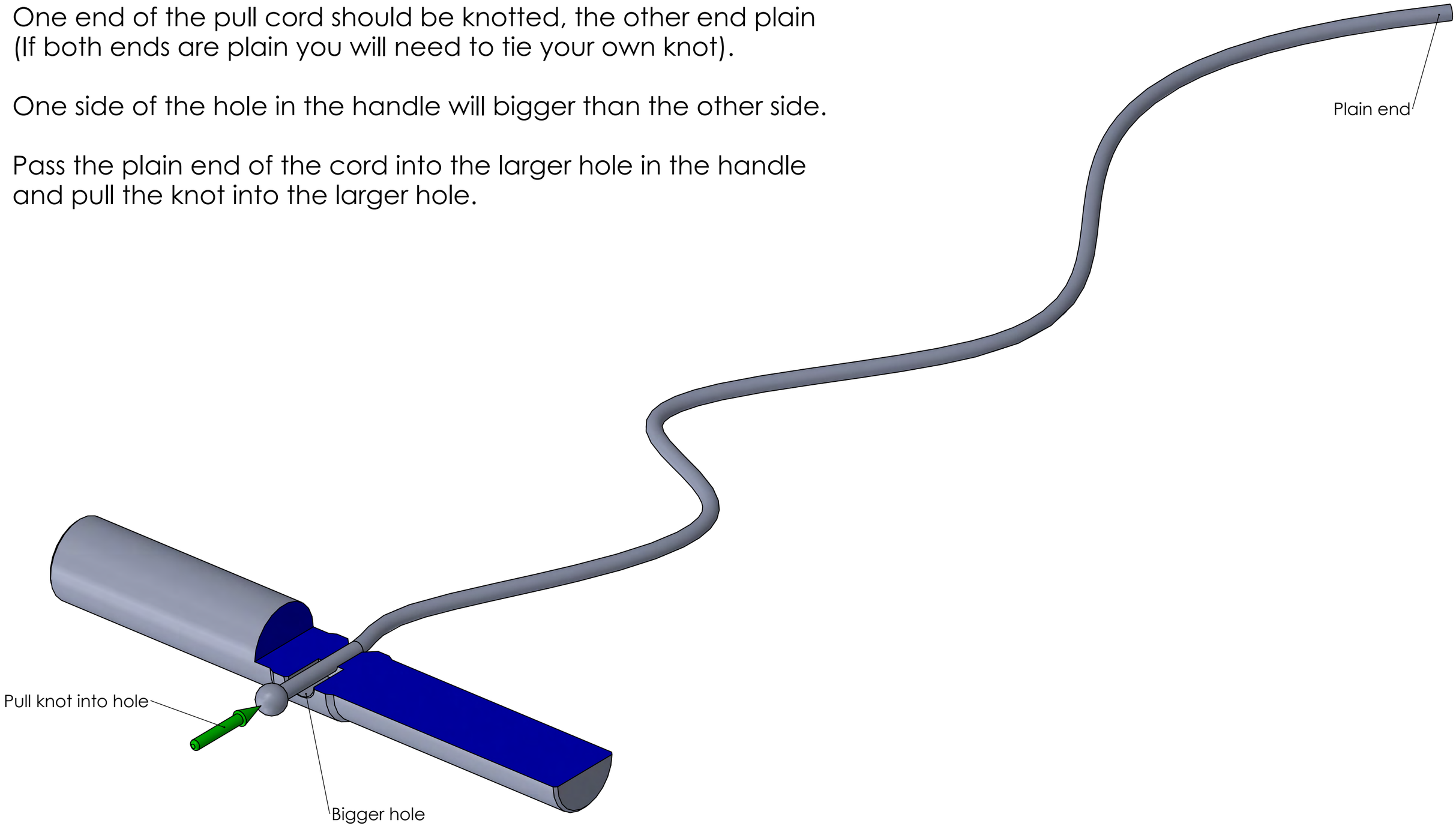
support@stirlingengine.co.uk

Operation instructions 1

One end of the pull cord should be knotted, the other end plain
(If both ends are plain you will need to tie your own knot).

One side of the hole in the handle will bigger than the other side.

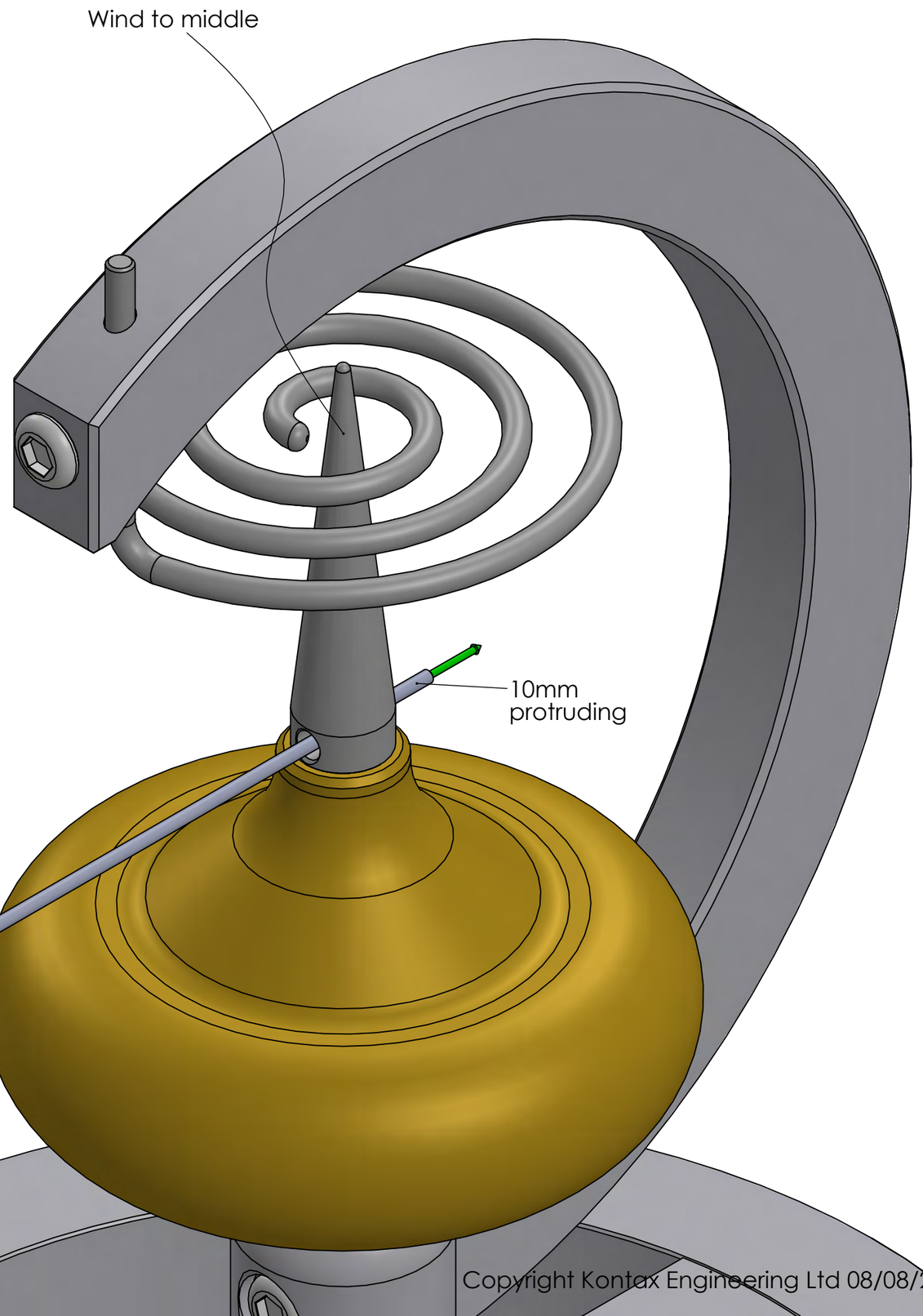
Pass the plain end of the cord into the larger hole in the handle
and pull the knot into the larger hole.



Operation instructions 2

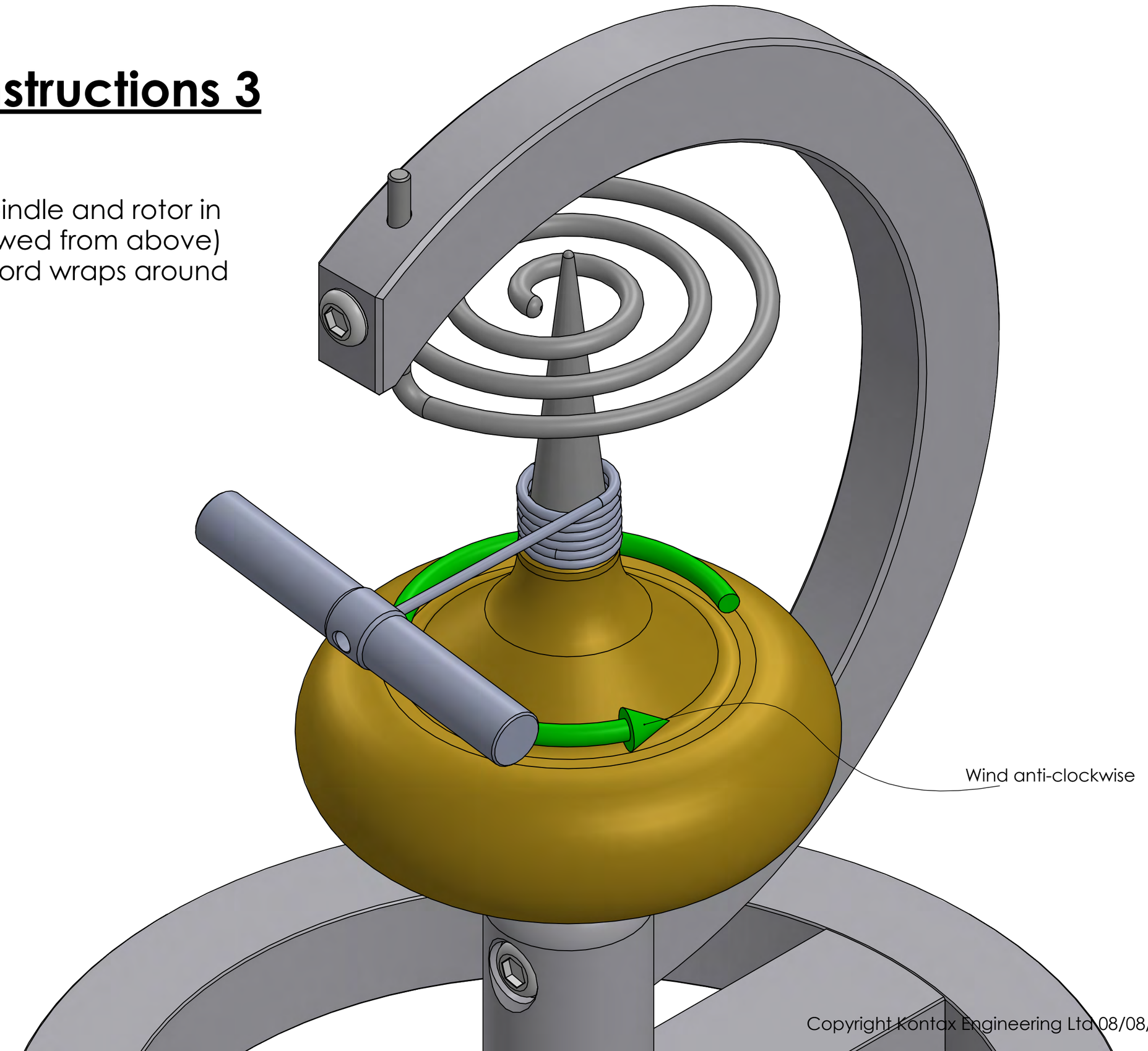
1. Wind the spindle around the spiral so that it rests in the middle of the spiral.

2. Fit the pull cord through the hole in the spindle so that about 10mm is protruding from the opposite side.



Operation instructions 3

1. Gently rotate the spindle and rotor in an anti-clockwise (viewed from above) direction so that the cord wraps around the spindle.

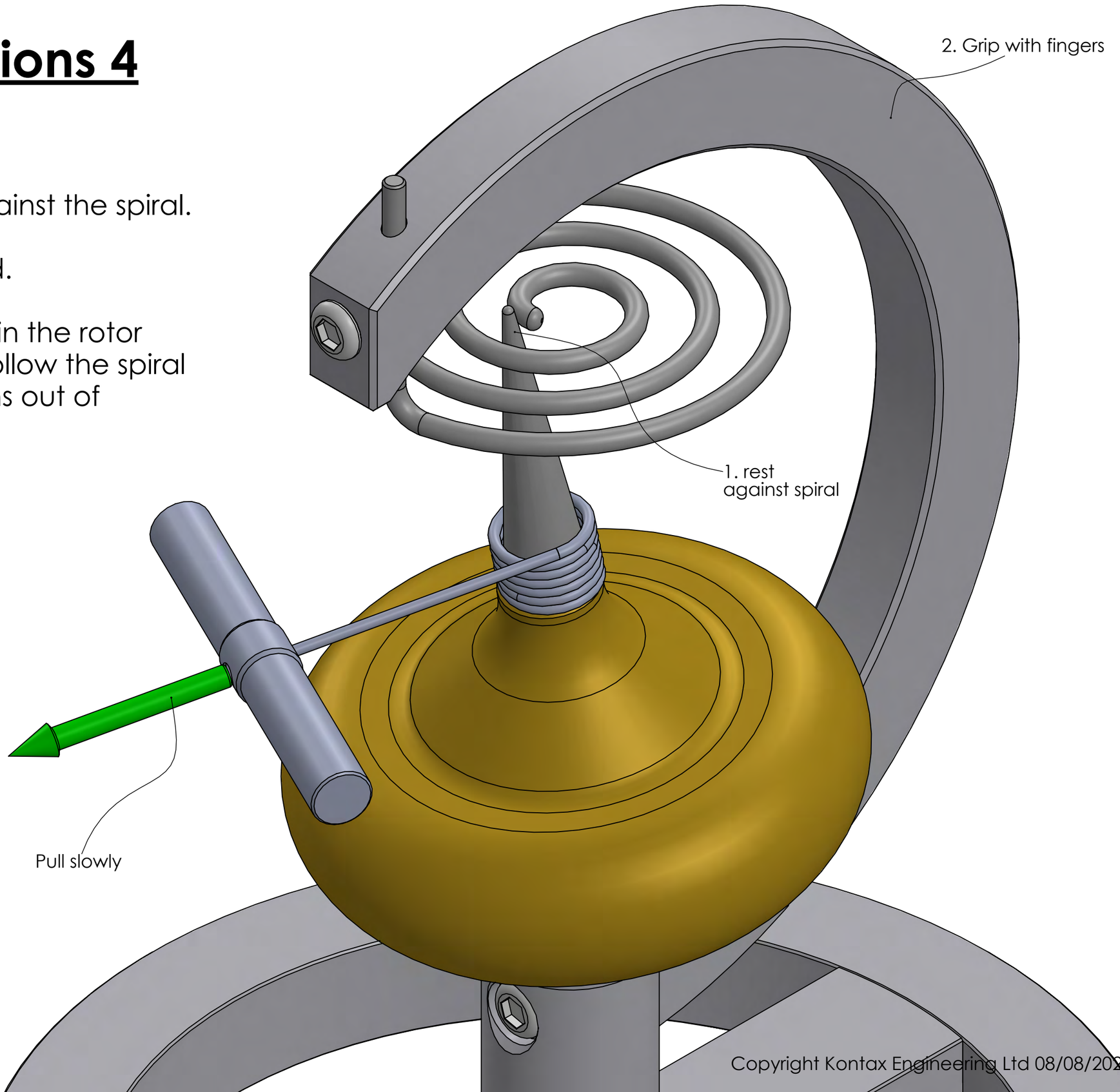


Operation instructions 4

1. Allow the spindle to rest against the spiral.

2. Grip the arm with one hand.

3. Pull cord slowly to gently spin the rotor and spindle. The spindle will follow the spiral around and around until it runs out of momentum.

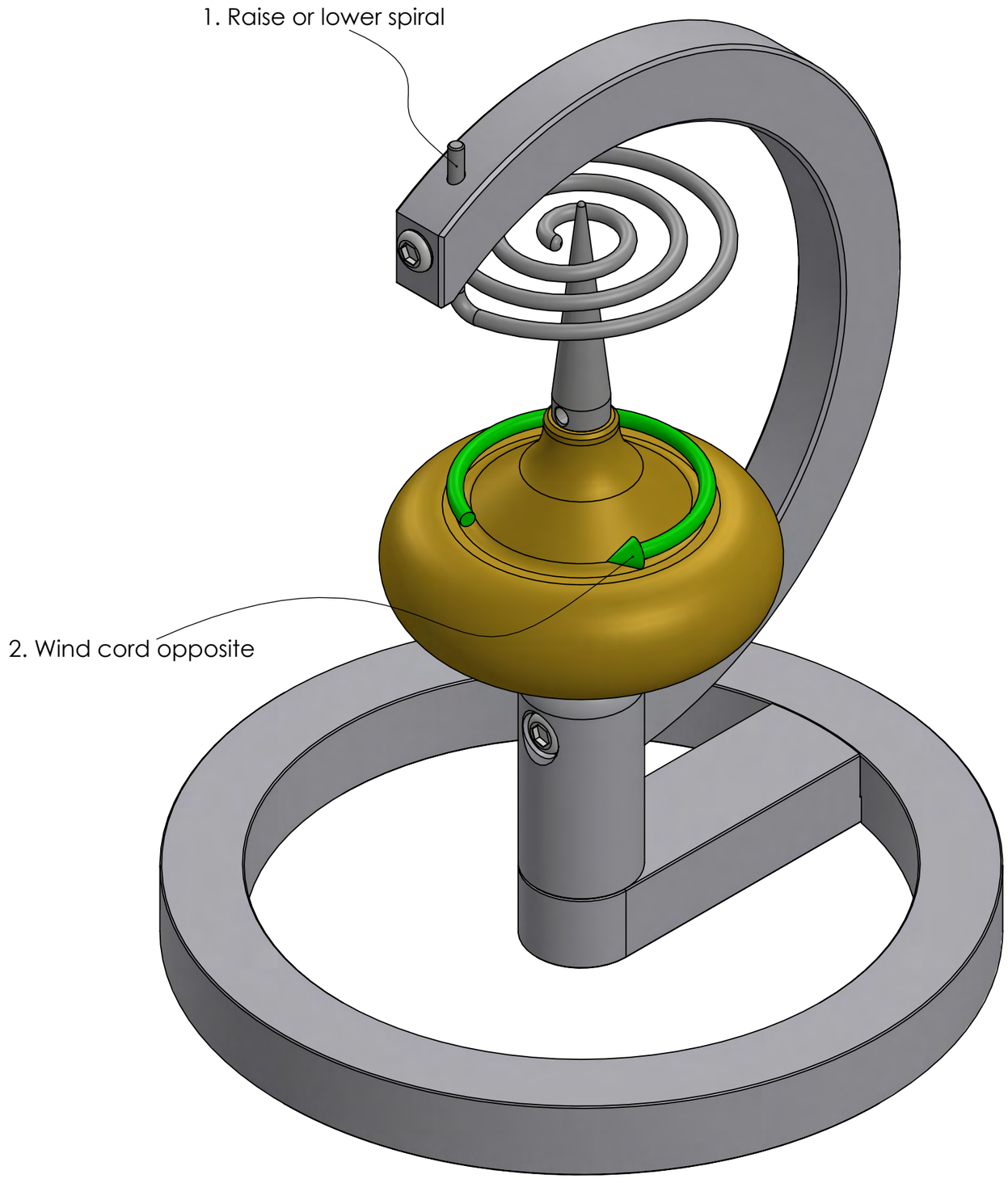


Operation instructions 5

There are a couple of things you can experiment with to give varying results.

1. The spiral can be raised or lowered in the arm, this will give different speeds of rotation around the spiral.

2. The cord can be wound onto the spiral in the opposite direction, this will give the spindle a different trajectory as it passes the vertical section of the spiral.



Our workshop is located in the Thames Valley, United Kingdom and is staffed by a skilled team of 9 designers, machinists and assemblers. We have 4 CNC mills, 3 CNC lathes and 3 CNC mill-turn centres.