



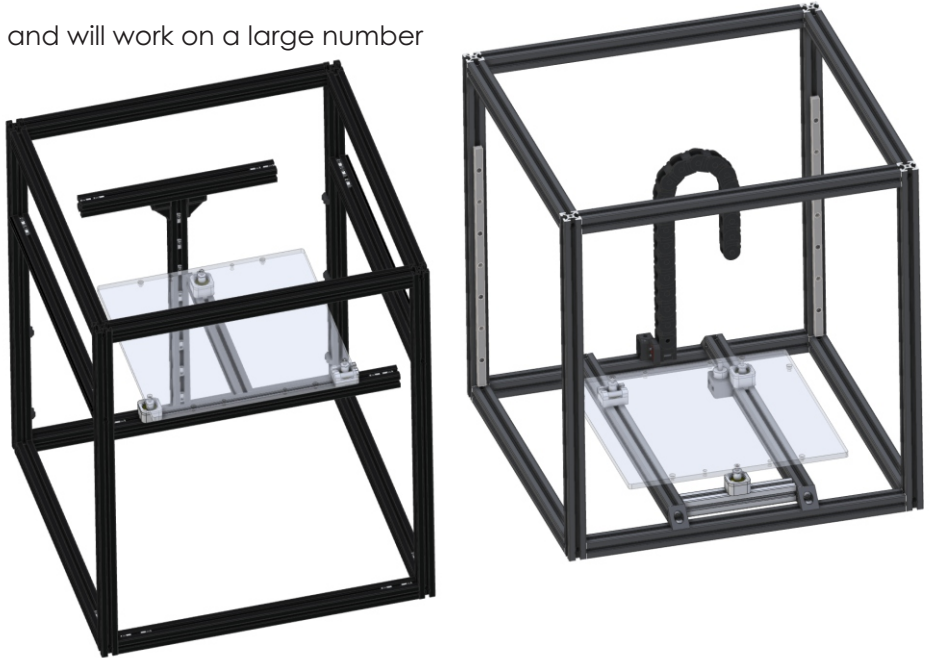
Matched Height Kinematic Mounting Kit

Thank you for purchasing the Kinematic kit from Mandala Rose Works!

These are not specific for the Voron printer, and will work on a large number of printers on the market.

In your kit, you have received the following items:

- 1 magnet base for the flat magnet
- 1 magnet base for the chamfered magnet
- 1 pin mount base
- 2 pins
- 2 magnet covers
- 3 internally threaded balls
- 3 m3x10 bolts
- 8 m3x6 button heads
- 2 m3x8 buttons heads
- 1 chamfered magnet - 150C
- 2 flat magnets - 150c
- 3 misumi m4 T-Nuts
- 3 m4x8 cap head screws
- 1 hammerhead m5 T-Nut
- 2 m2x4 cap heads



Not Included: 130mm (approx) extrusion for mounting on a Voron 2.4, you may however download and 3d print one till you get the appropriate size. Check the product page at Mandala Rose Works for the STL.

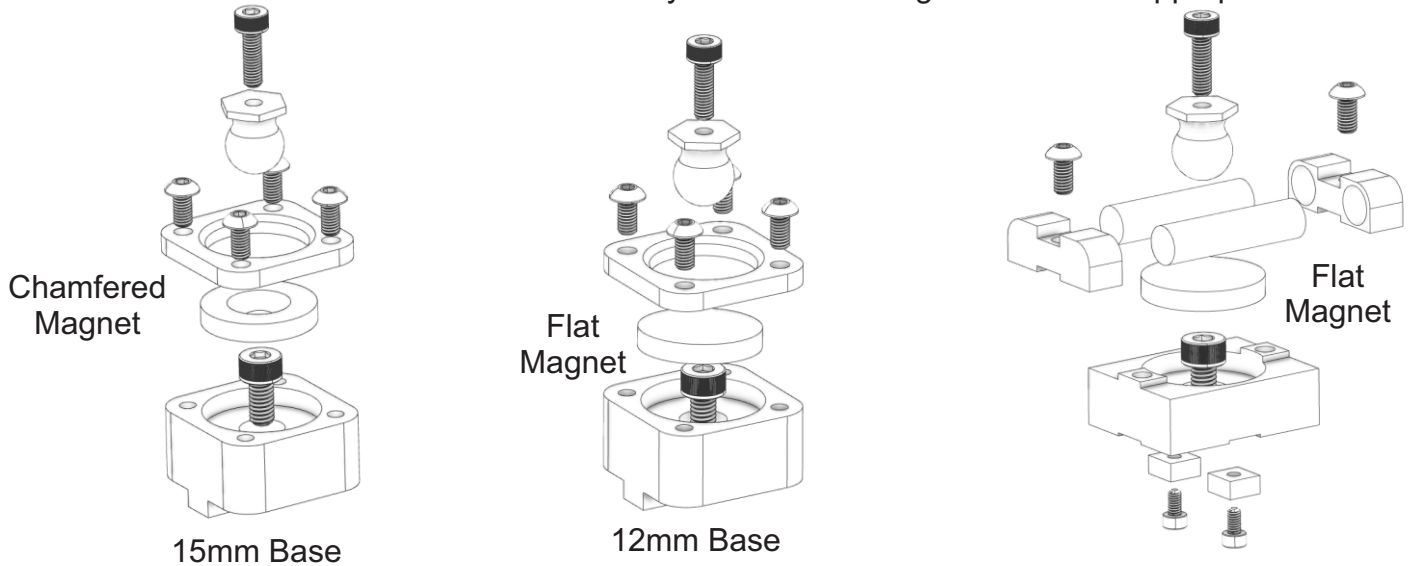
IMPORTANT NOTE:

When unpacking, DO NOT LET THE MAGNETS SNAP TOGETHER.

KEEP THEM SEPARATED!

If they snap together suddenly, they WILL shatter.

These images show the breakout of the parts and how everything needs to be assembled. Please note that the bases must be affixed to the extrusion before you install the magnets and their appropriate covers.



Current beds available from Mandala Rose Works that are Trident compatible have all holes necessary for mounting the threaded balls for the kinematic mounts using the provided m3 bolts in the recessed holes. If you have a pre-Trident bed, you will need to drill and tap an M3 hole on the center of the front side of your bed, and use an m3 setscrew to attach the ball. The threaded balls for the rear will mount to the existing mounting holes.

Drilling jigs are available on thingiverse from <https://www.thingiverse.com/thing:5029669>

Please note, the drilling jig sets the hole distance to 7mm from the edge of the bed. If you want to change that position, you will have to make your own drilling jig.

Drilling instructions:

Print out the appropriate drill guide and clamp it to the center of the bed. Get a 2.5mm (0.098") drill bit, and drill a hole thru the bed (a drill press would be a good idea here to keep it as straight as possible, but it can be done with a hand drill if you take your time). Get some cutting fluid such as TapMagic, and a m3 x 0.5mm cutting tap, and a tap handle. Lubricate the hole, and get the tap started. Make sure after every few turns, you back off the tap 1/2 turn to clear the cutting edges.

Please note that the pin mount can have the location blocks in 2 different orientations. If you reference the images below, you can see what orientation they should be on for Voron 2.4 and Trident.

