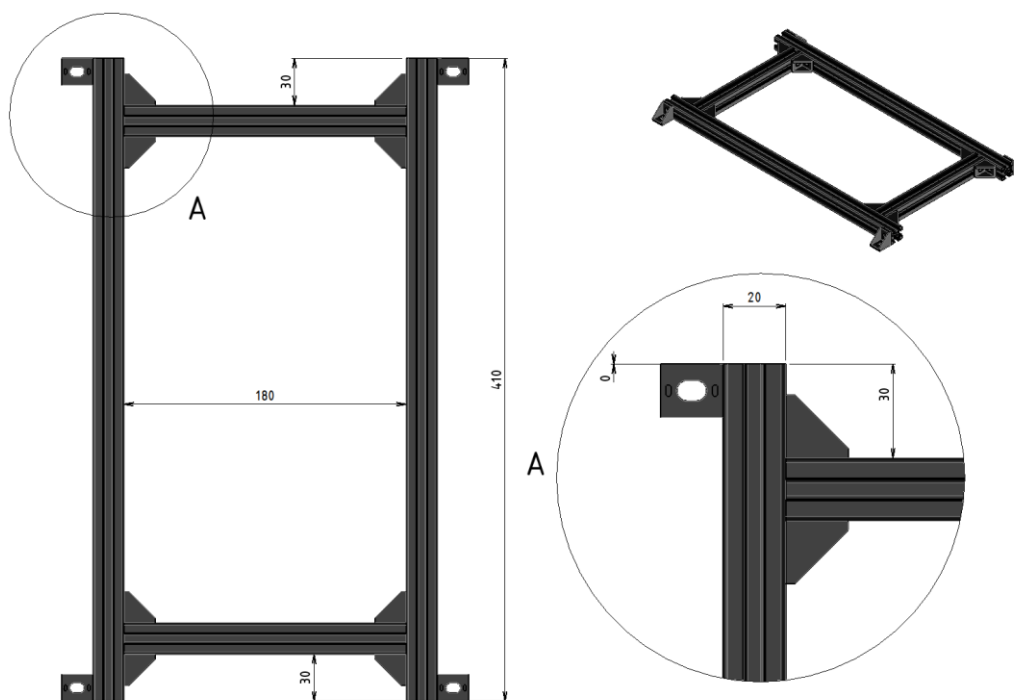


# BED Assembly Manual for Voron Trident 250mm

Assembly manual for complete A and C axis bed with heated rotary PEI sheet

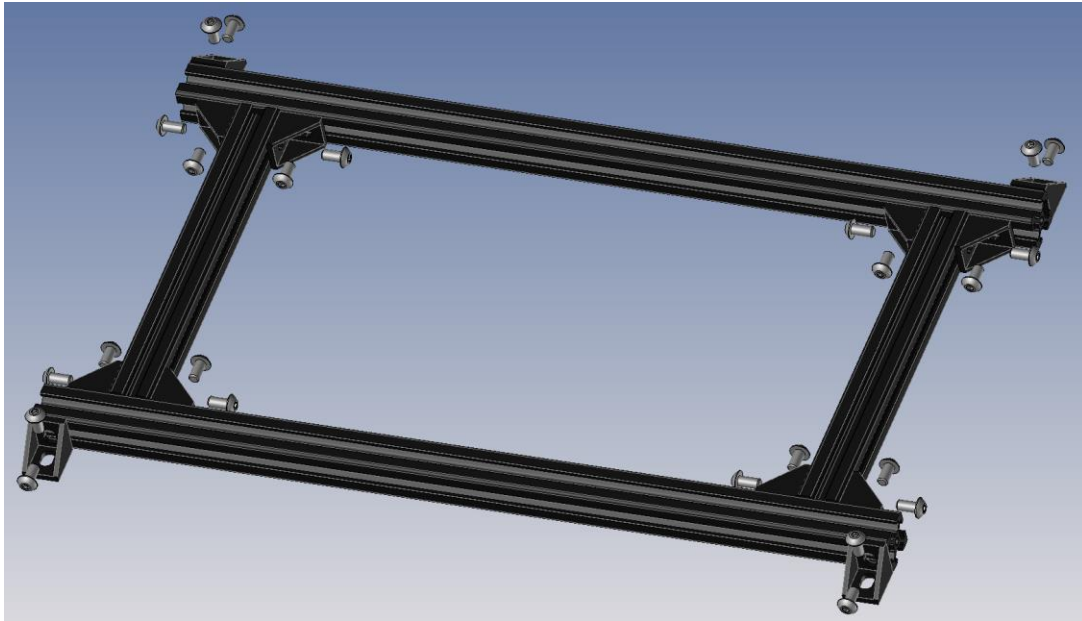
All 3D printed parts are designed to be printed from ABS filament . The optimal slicer settings for prints are:

First assembly Aluminium extrusions, they have to be cutted exact lengths specially the 180mm long ones.



## Material used in this step :

Aluminium profile	2x 180mm please	cut it to the tolerance +/- 0.03mm long
	2x 410mm	cut it to the tolerance +/- 0.05mm long

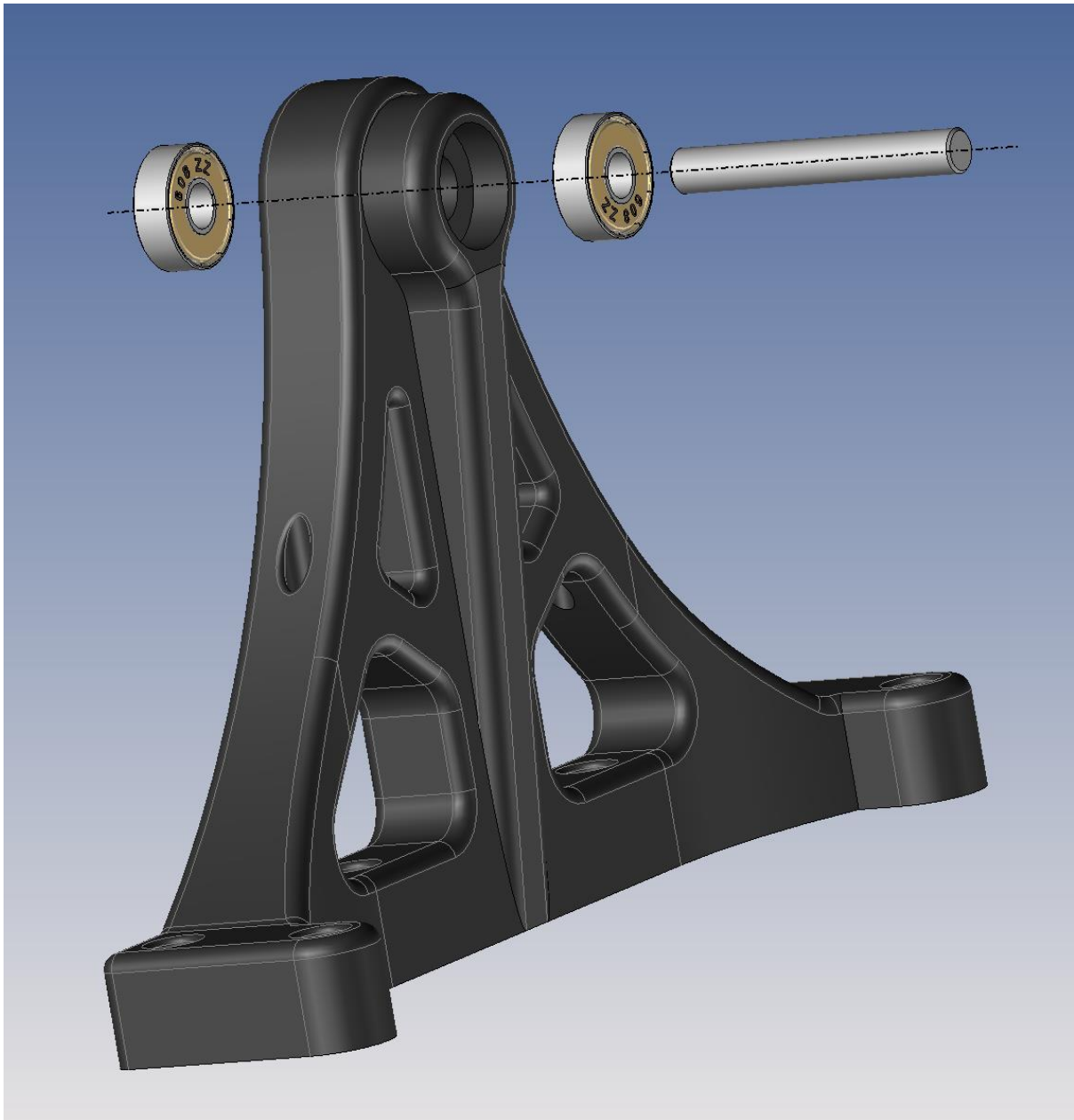


**NOTE:** Please make sure that you can assemble this step on maximum flat surface

The two 180 extrusions, must be maximally parallel and squared to the construction

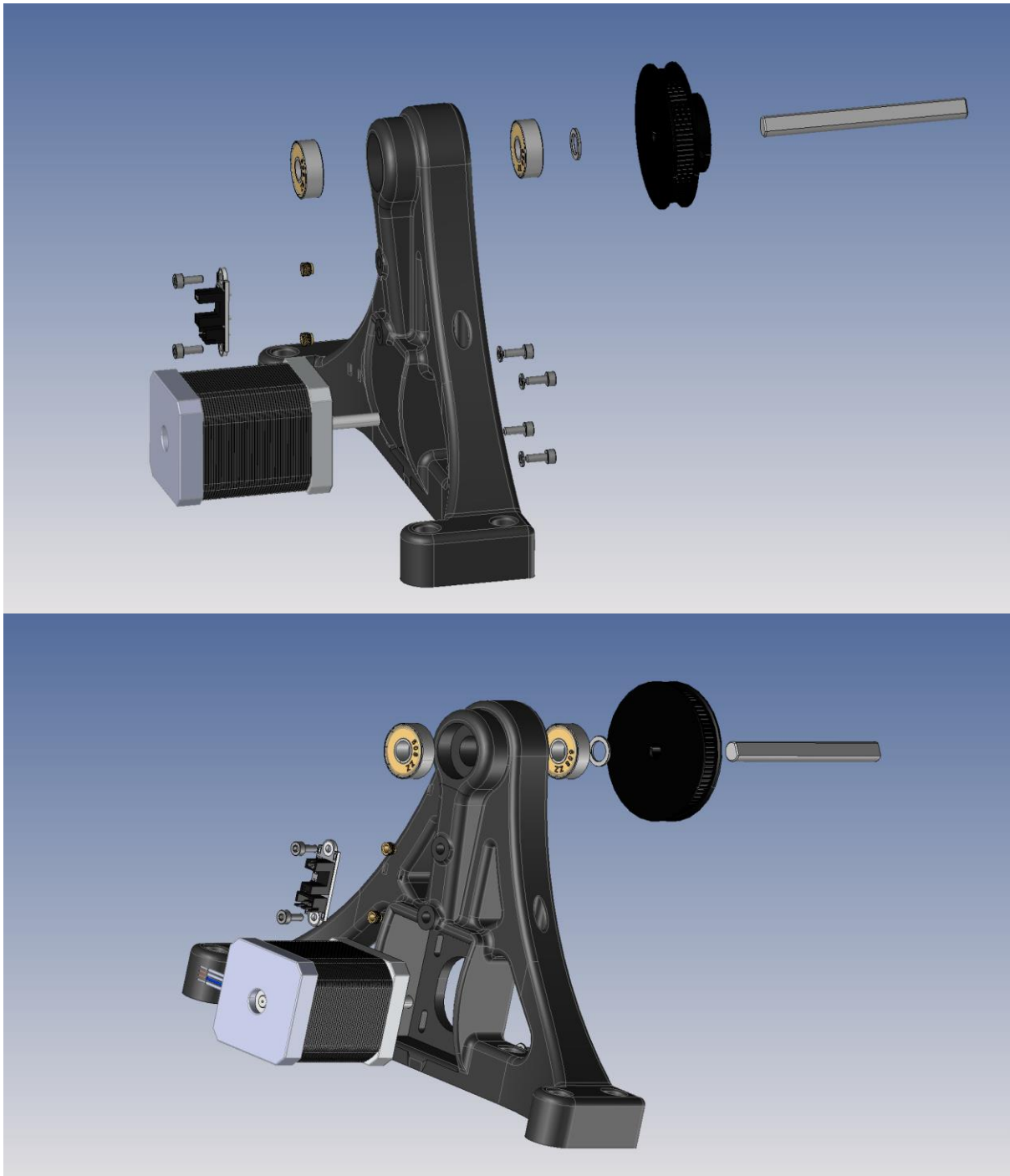
Best if you have acces to the measuring device to control the distance

**24x M5 x 10mm + T-nuts**



**NOTE:** Please this ABS part in high quality without any warping issues

The 8mm shaft should have, tight fit with the bearings 608zz



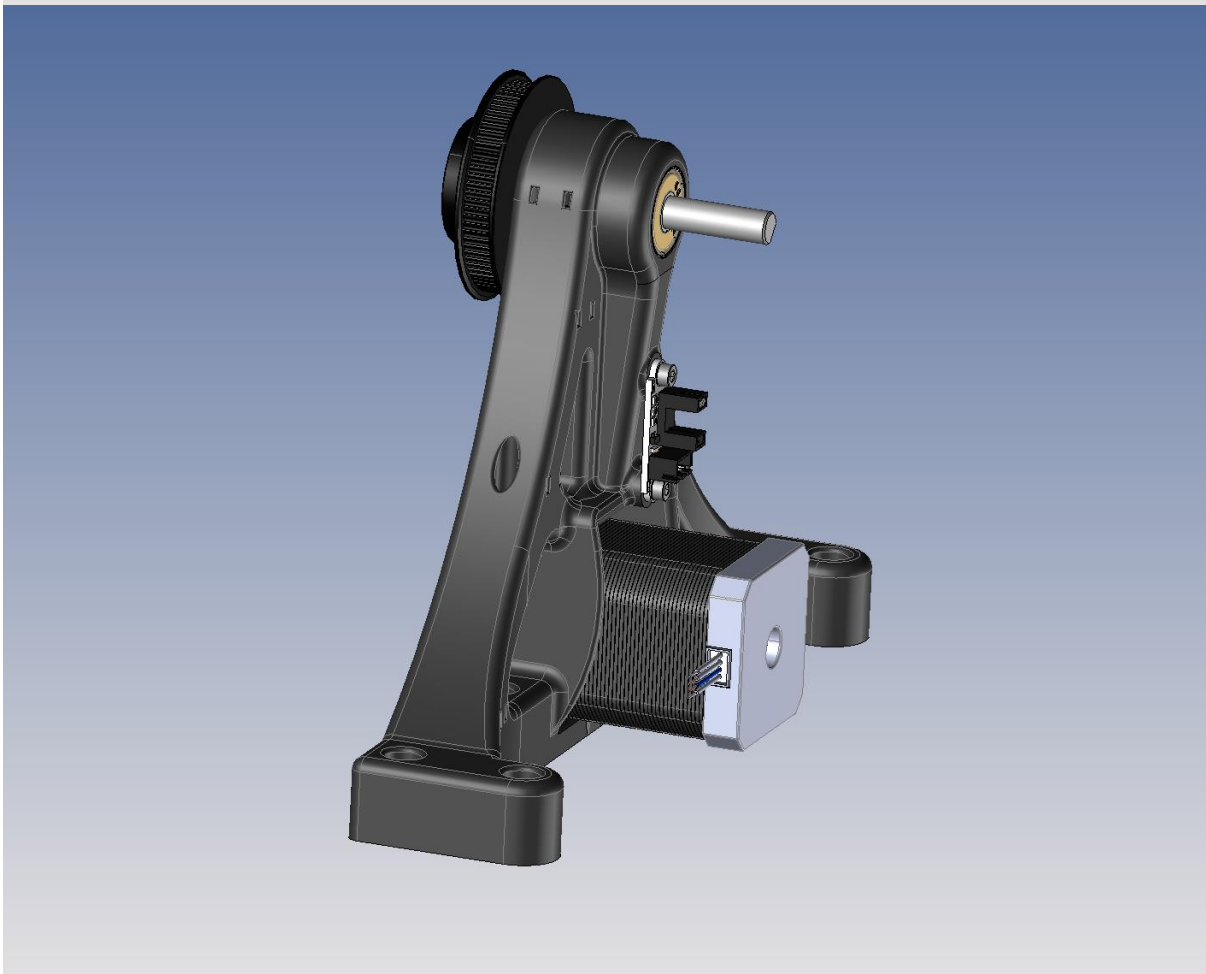
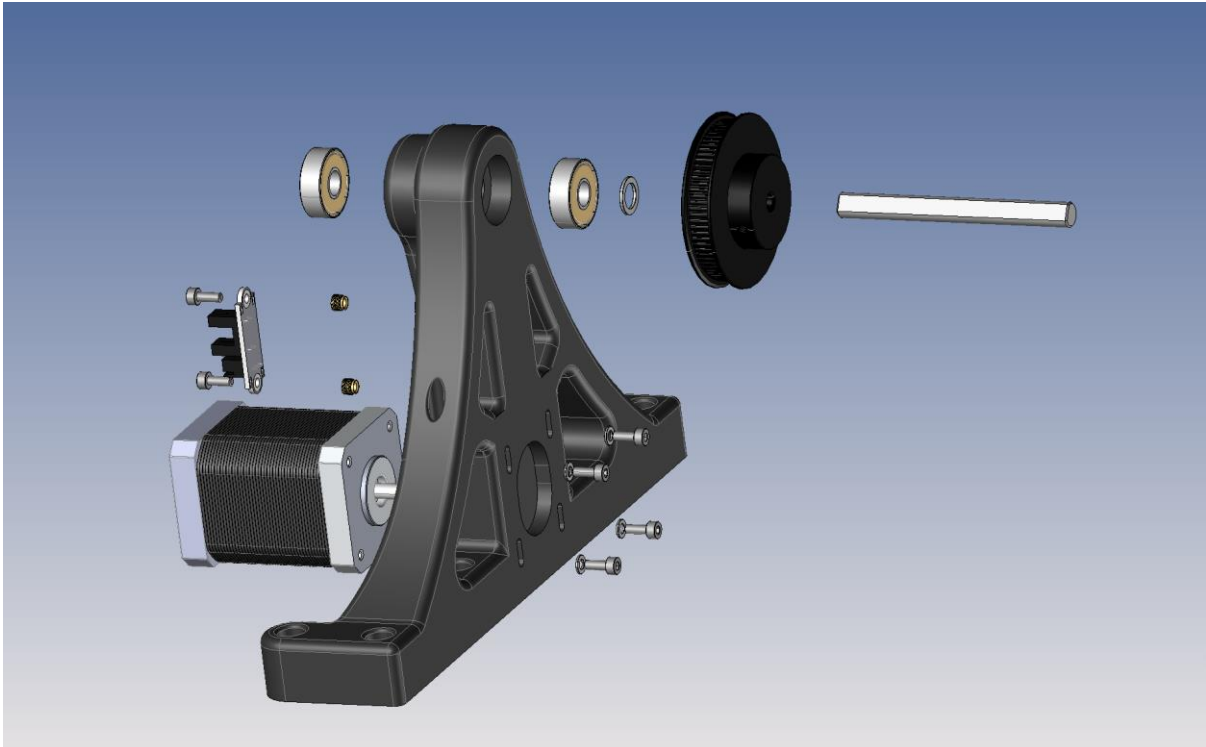
**NOTE:** Please this ABS part in high quality without any warping issues

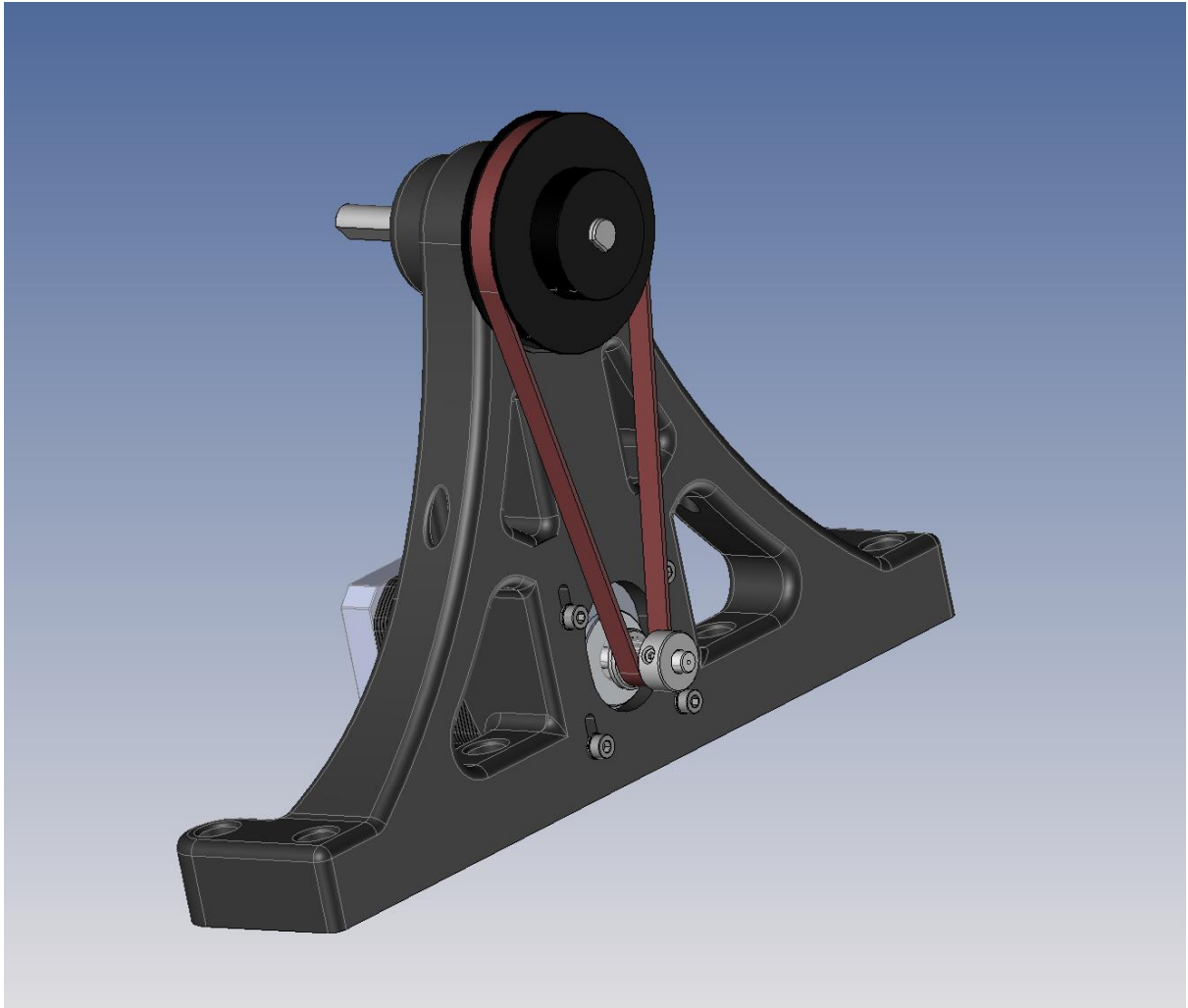
The 8mm shaft should have, tight fit with the bearings 608zz

6x M3 x 8mm

4x M3 washers

1x M8 washer

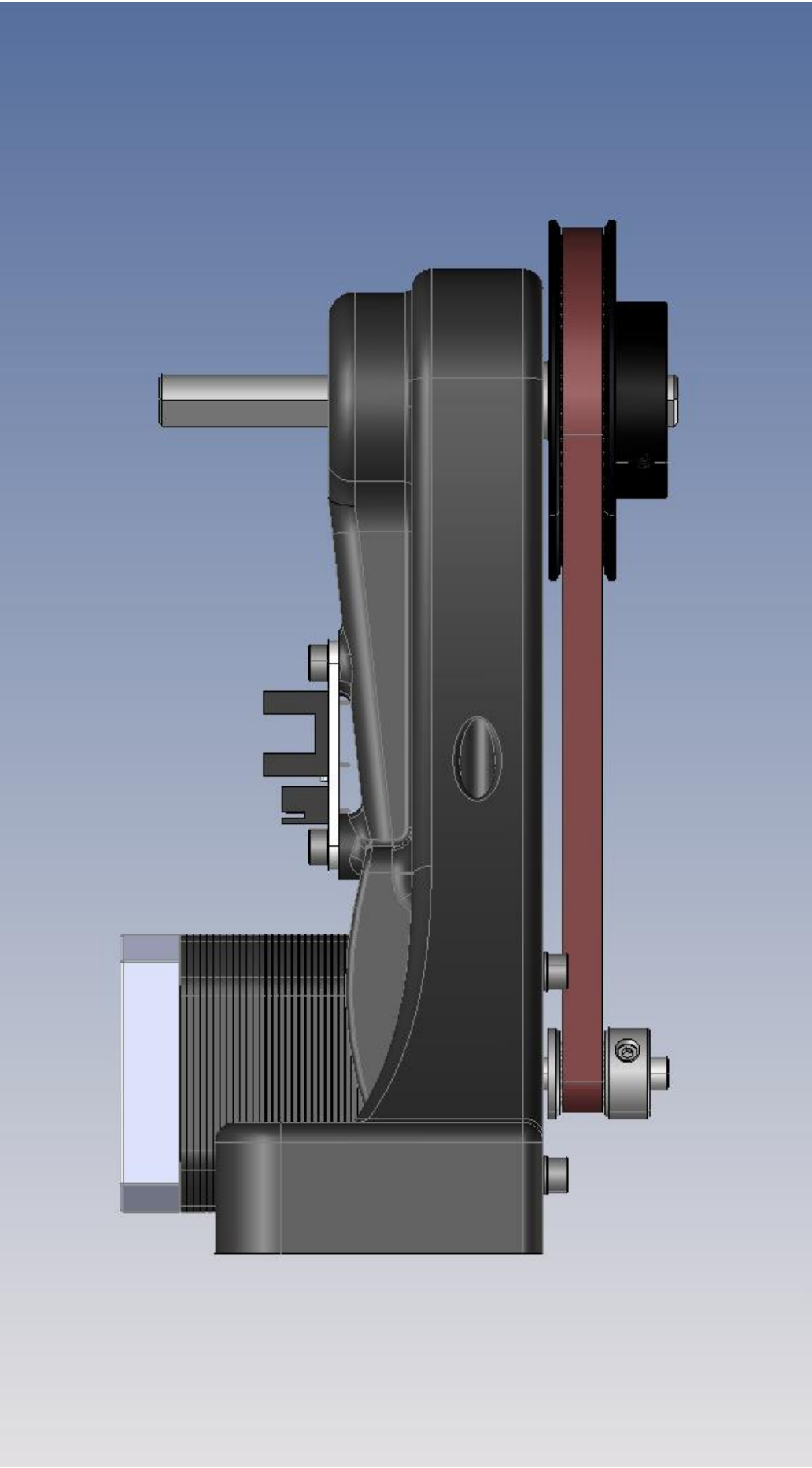


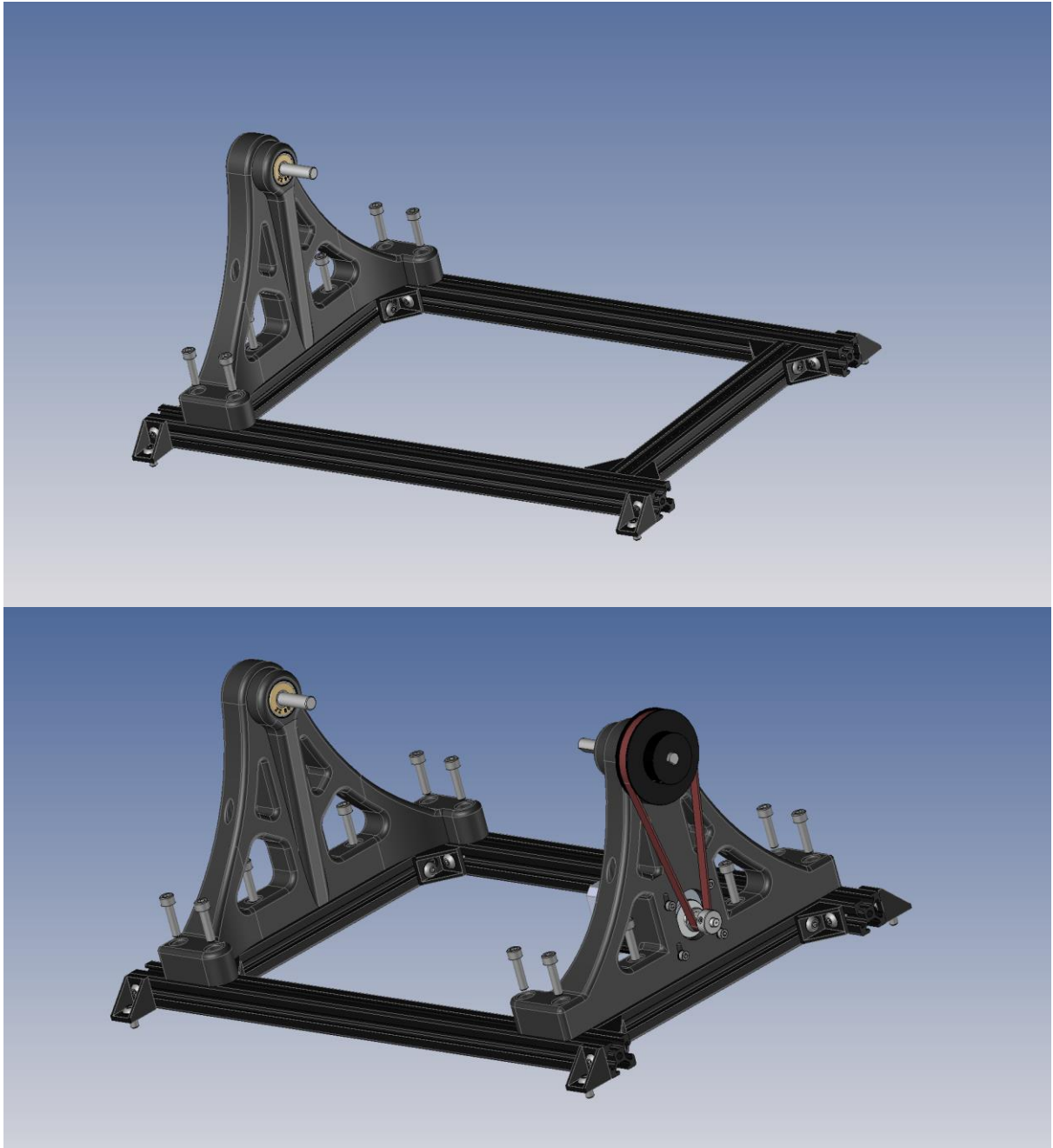


**NOTE:** Please do not tension the closed loop GT-2 belt 302 yet, leave it free so the motor and pulley can rotate easily

**GT-2 Pulley 16T – 5mm bore**

**GT-2 Pulley 80T – 8mm bore**

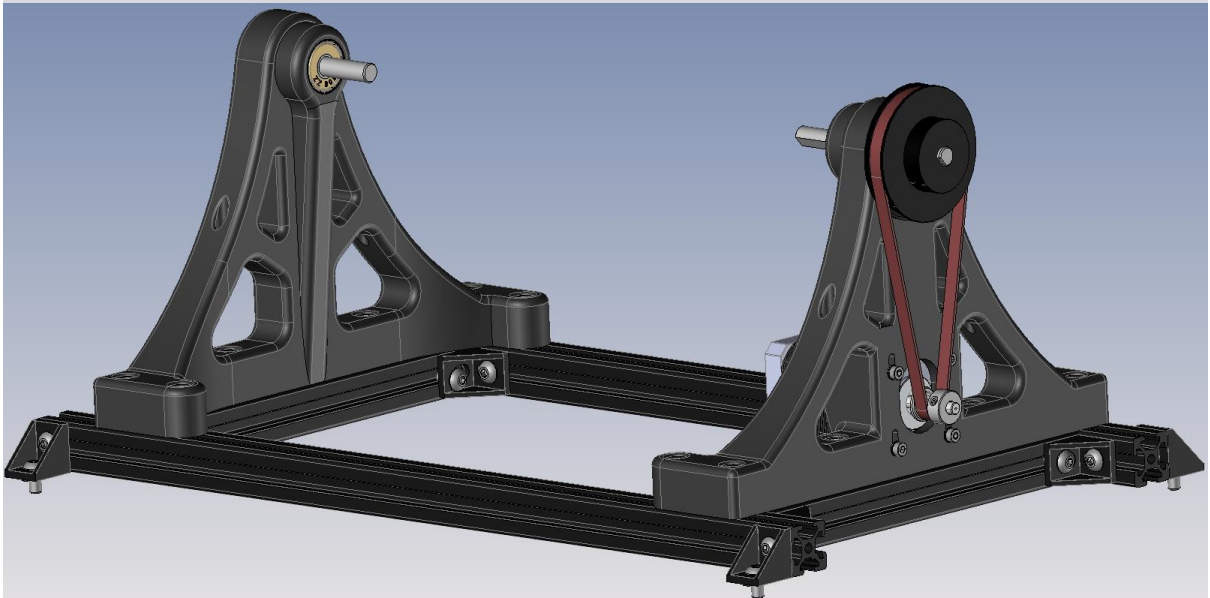
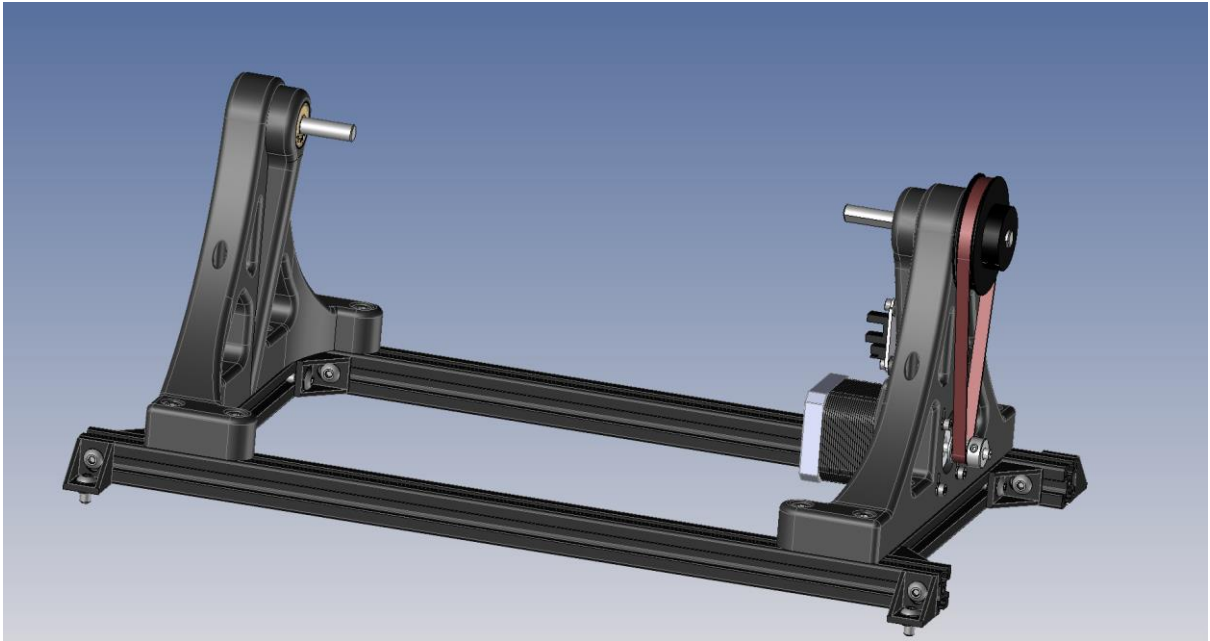


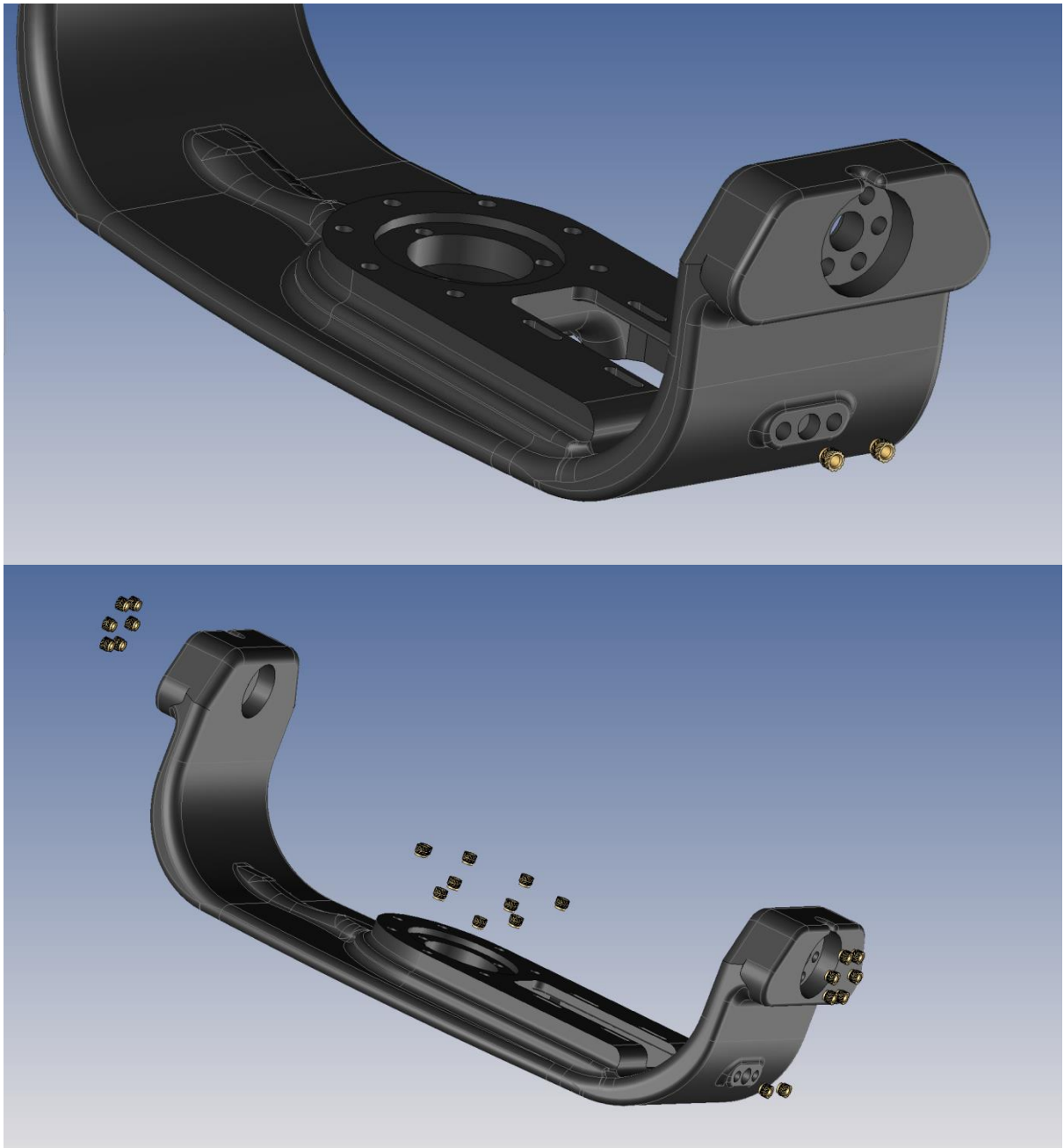


**NOTE:** Please make sure the two ABS printed sides are squared with the base and also parallel

**12x M5x20mm + Nuts**

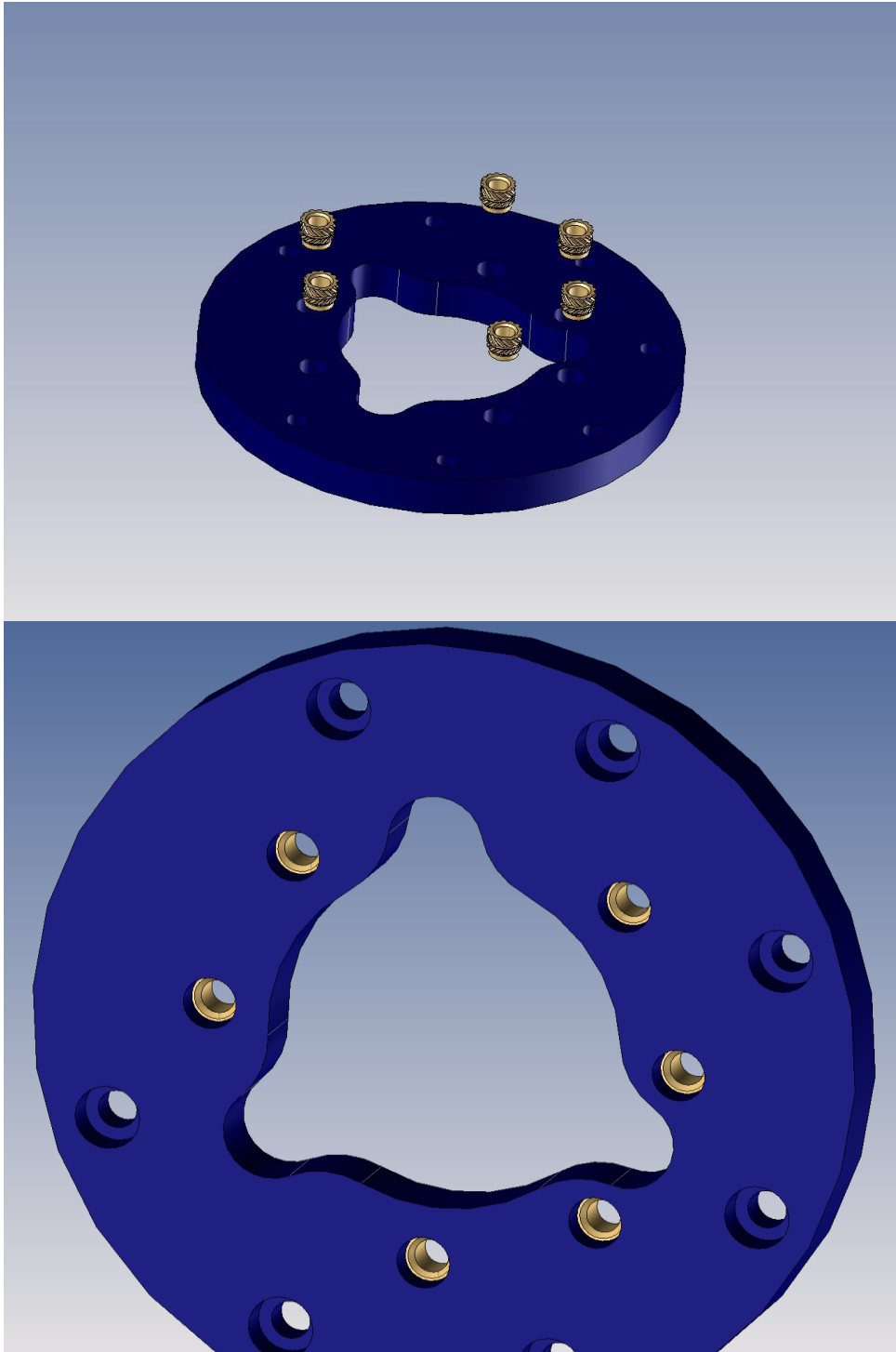




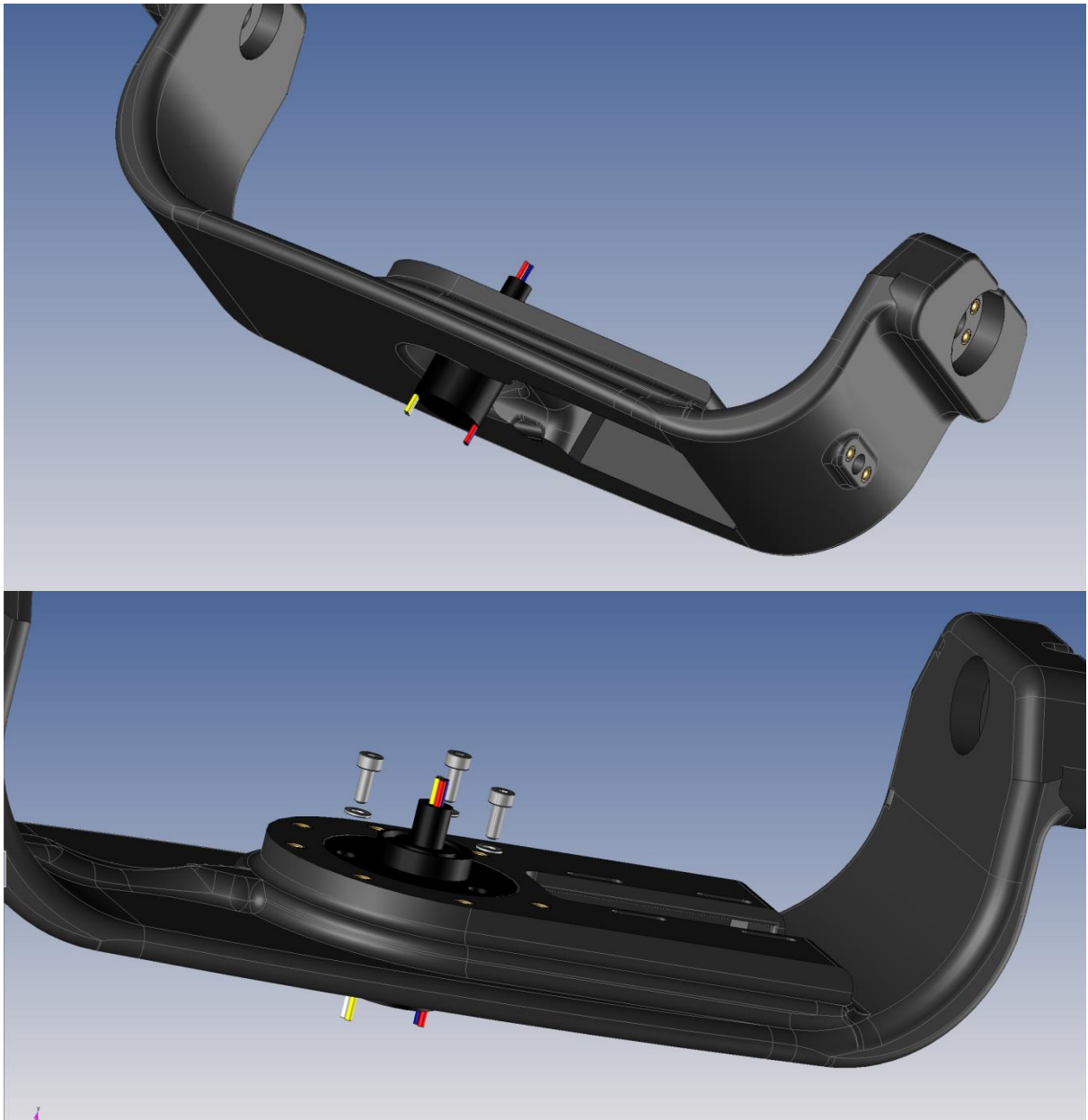


**NOTE:** the heat inserts used, are M3 x 5mm

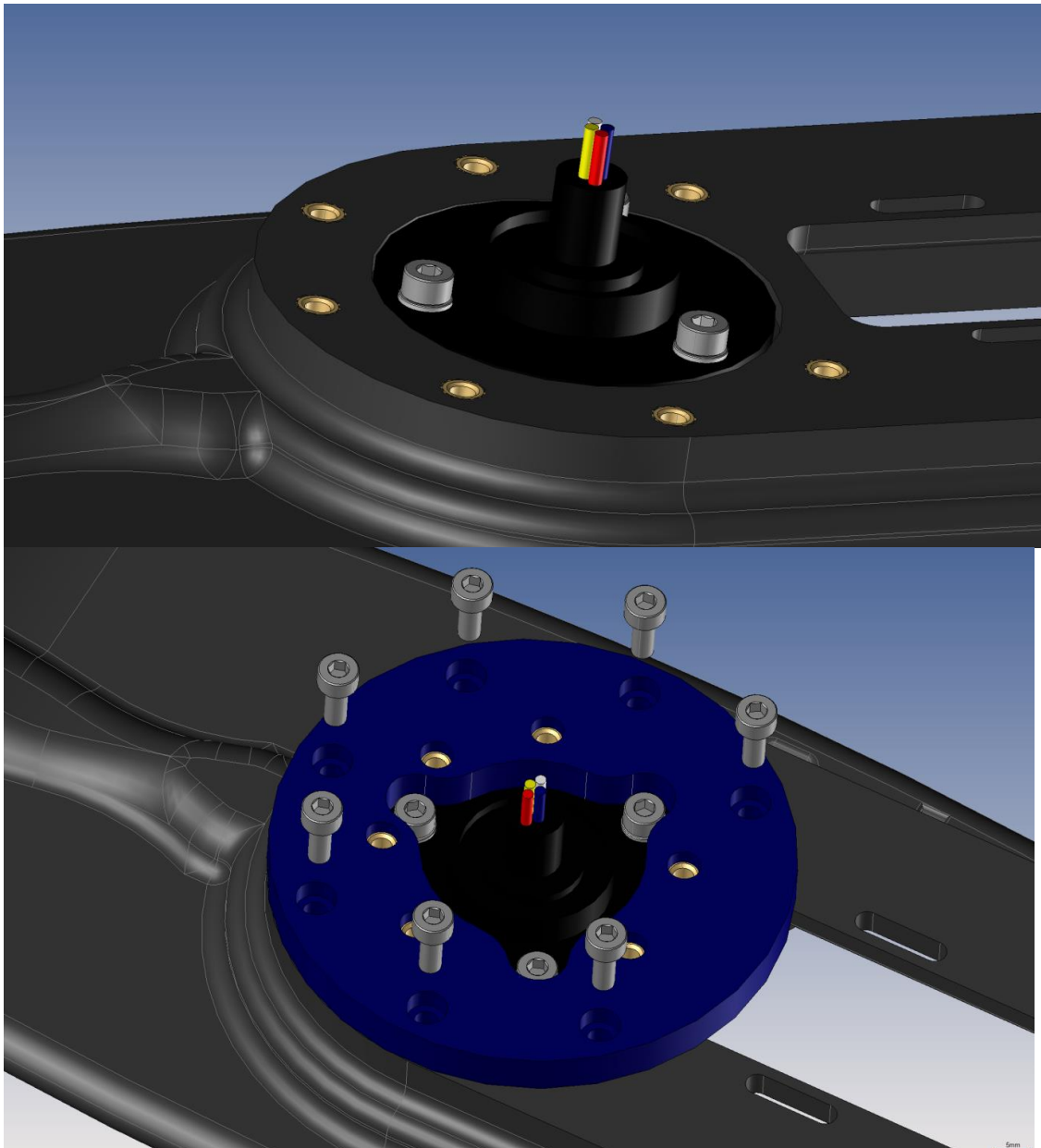




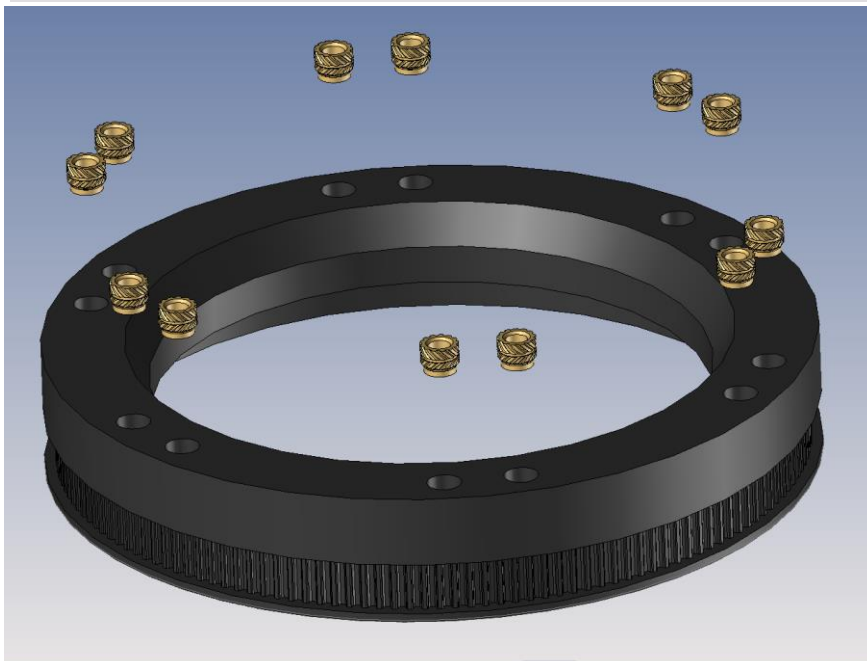
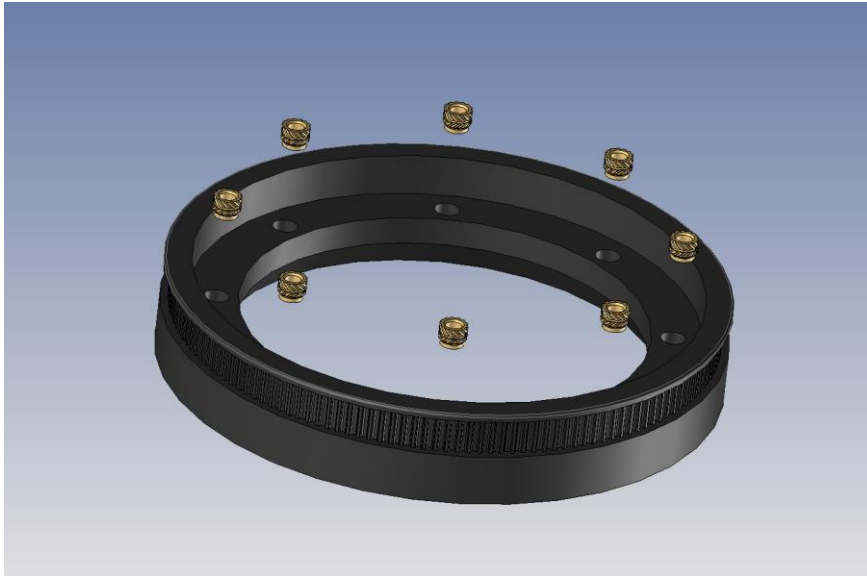
**NOTE:** the heat inserts used, are M3 x 7mm



**NOTE:** 3x M3x8mm + M3 washers

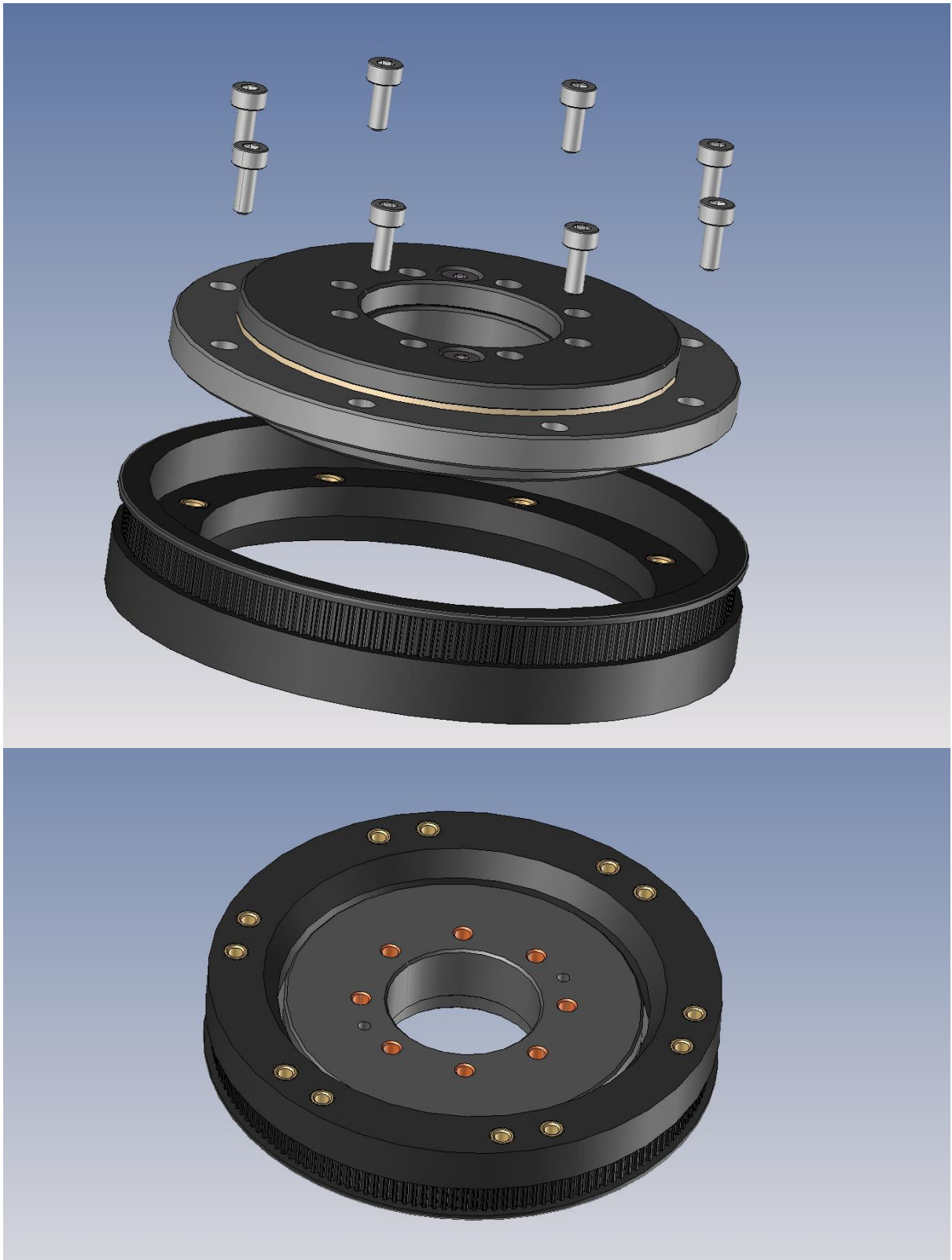


**NOTE:** 7x M3x8mm



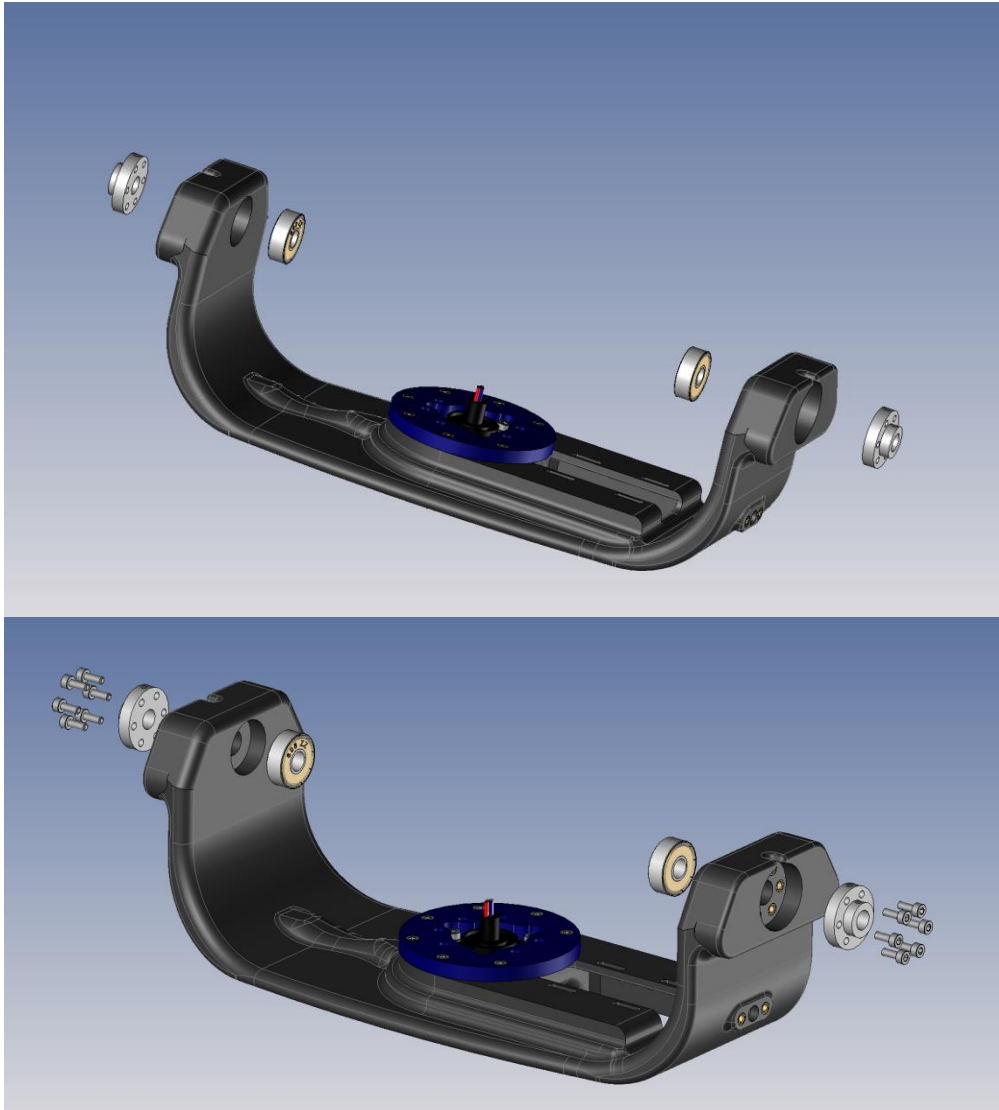
**NOTE:** the heat inserts used, are M3 x 5mm



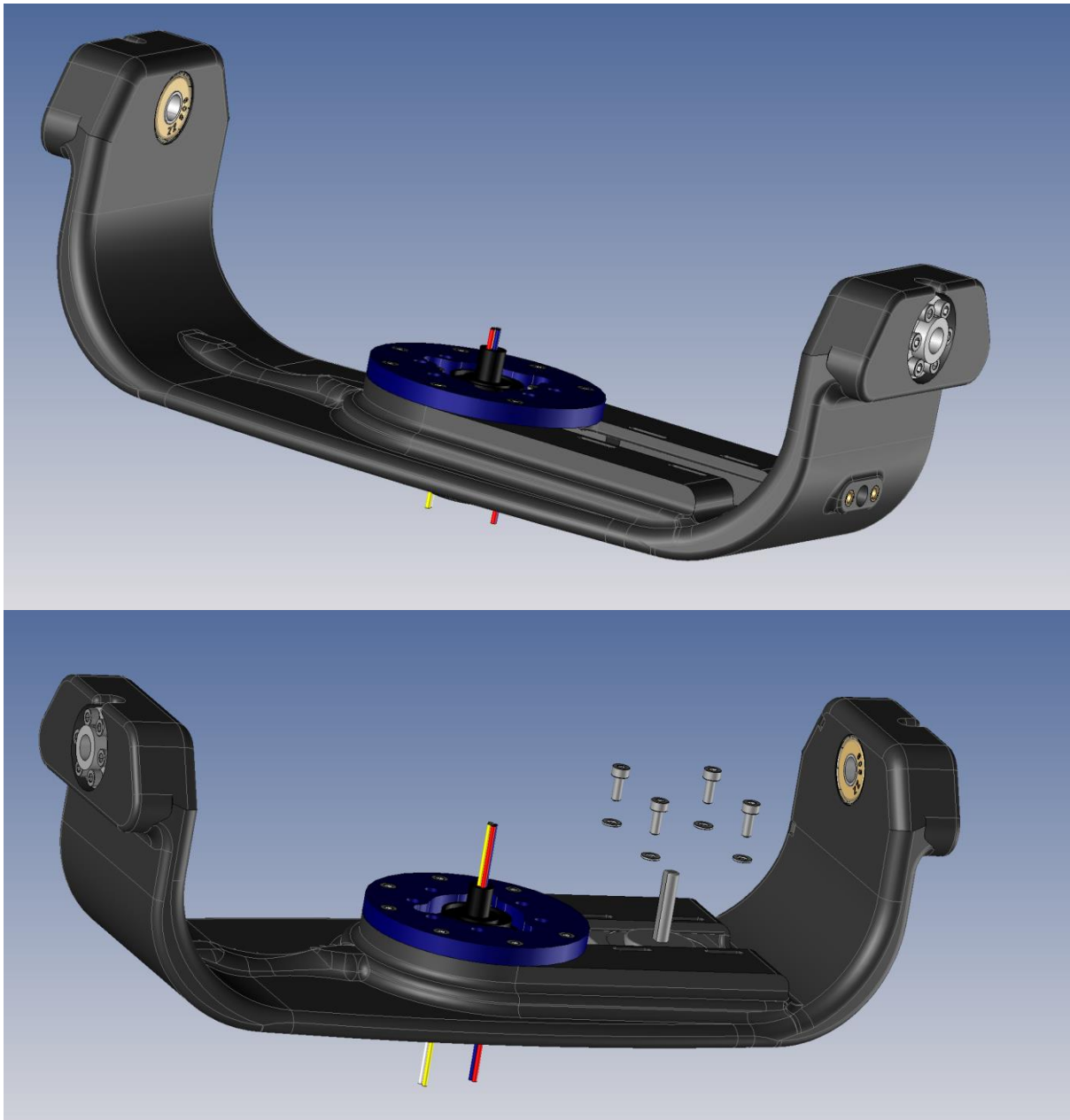


**NOTE:** 8x M3x10mm

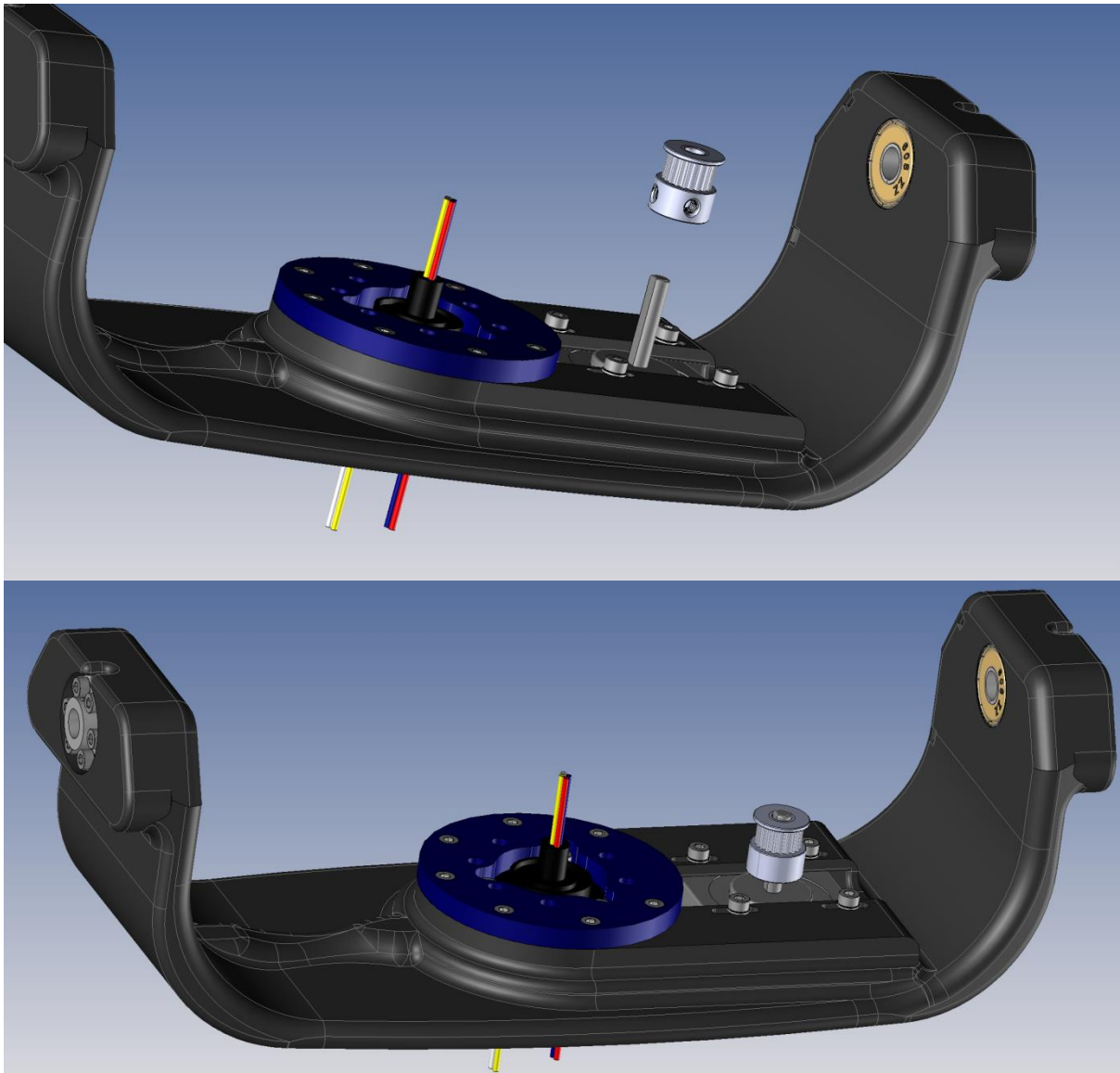




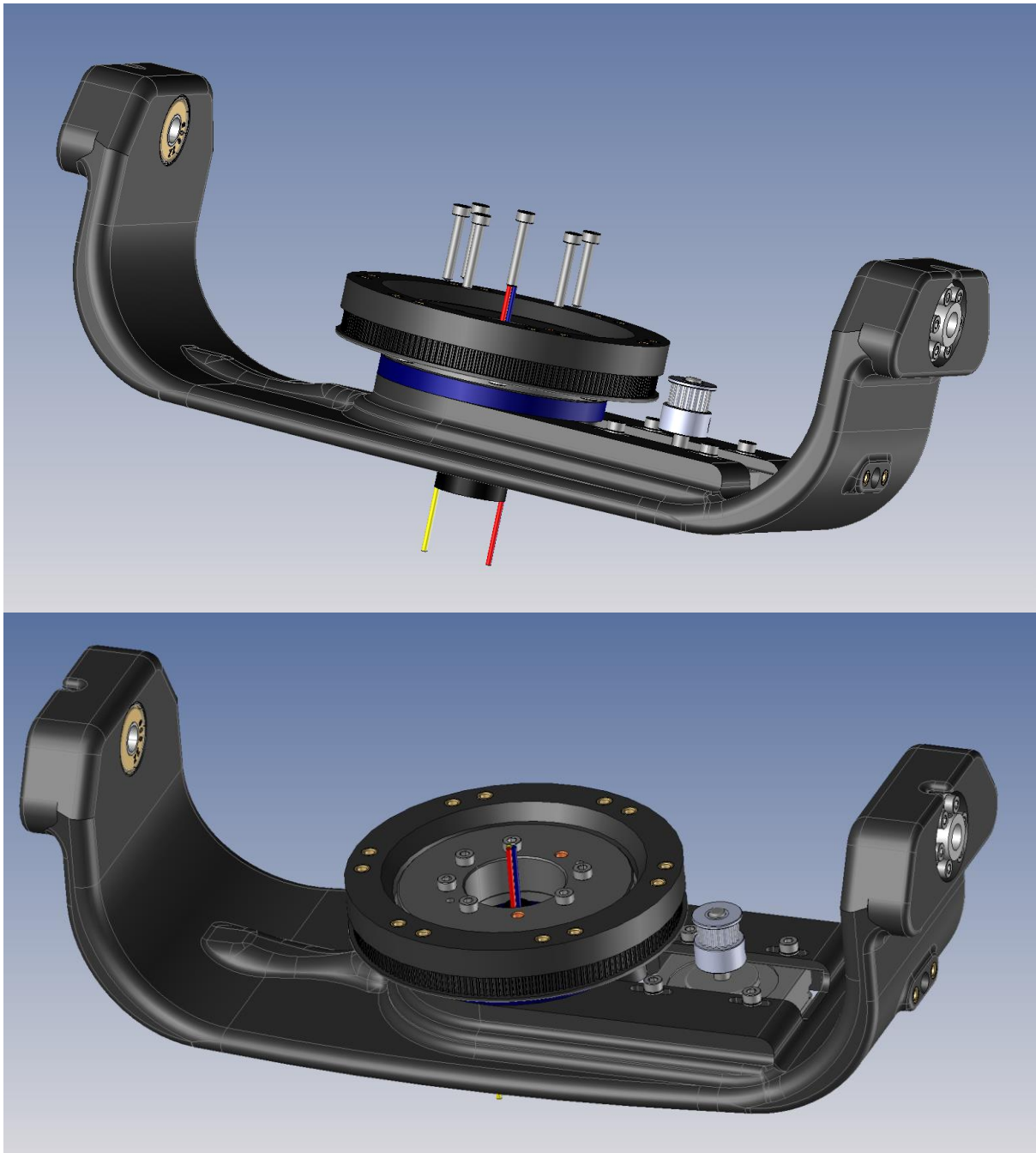
**NOTE:** the pololu hub M3 threaded holes, needs to be drilled out with 3.15 or 3.2 mm drill



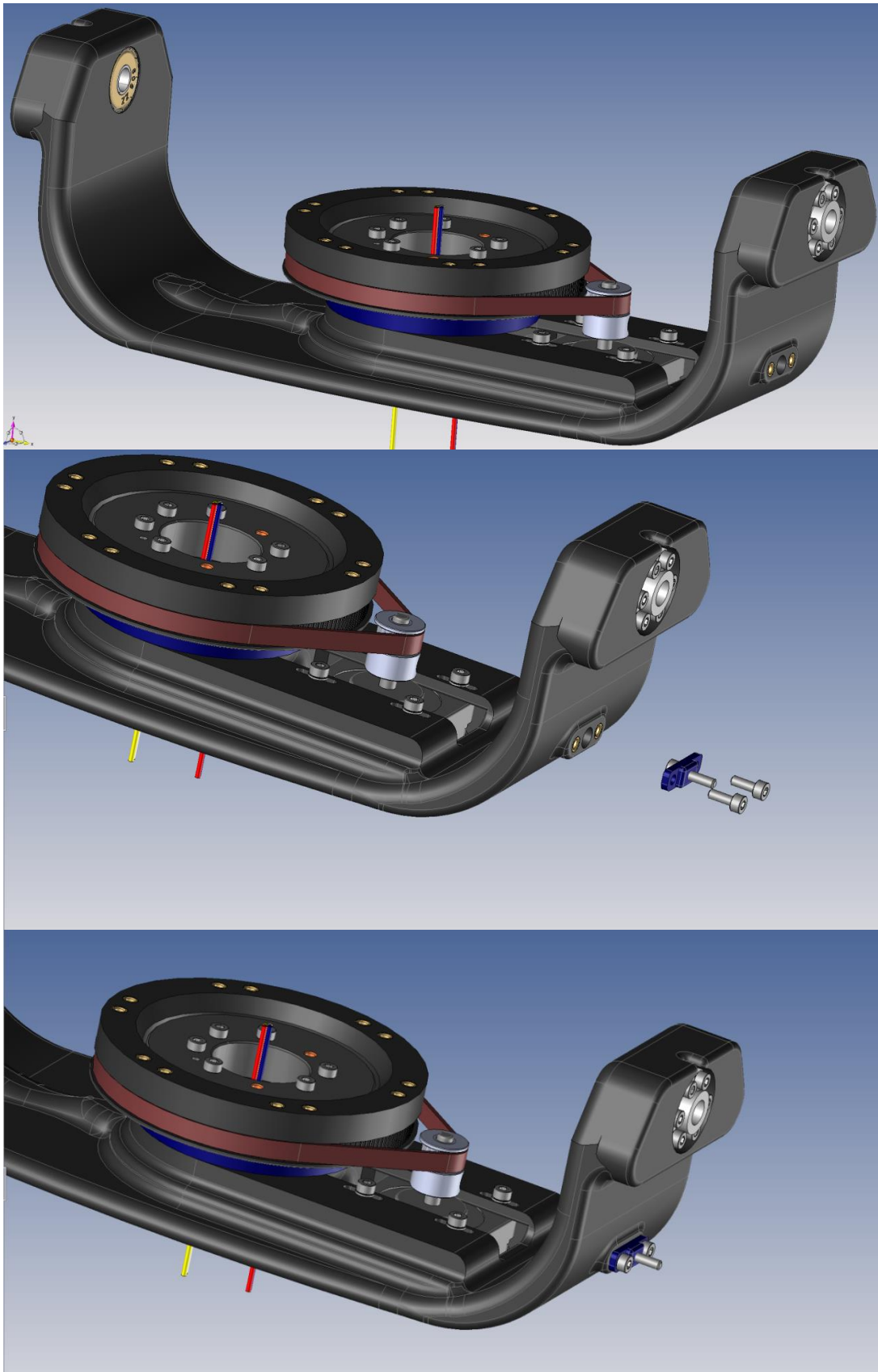
**NOTE:** 4x M3x8mm + M3 washers



**NOTE:** GT-2 Pulley 20T



**NOTE:** 6x M3x20mm

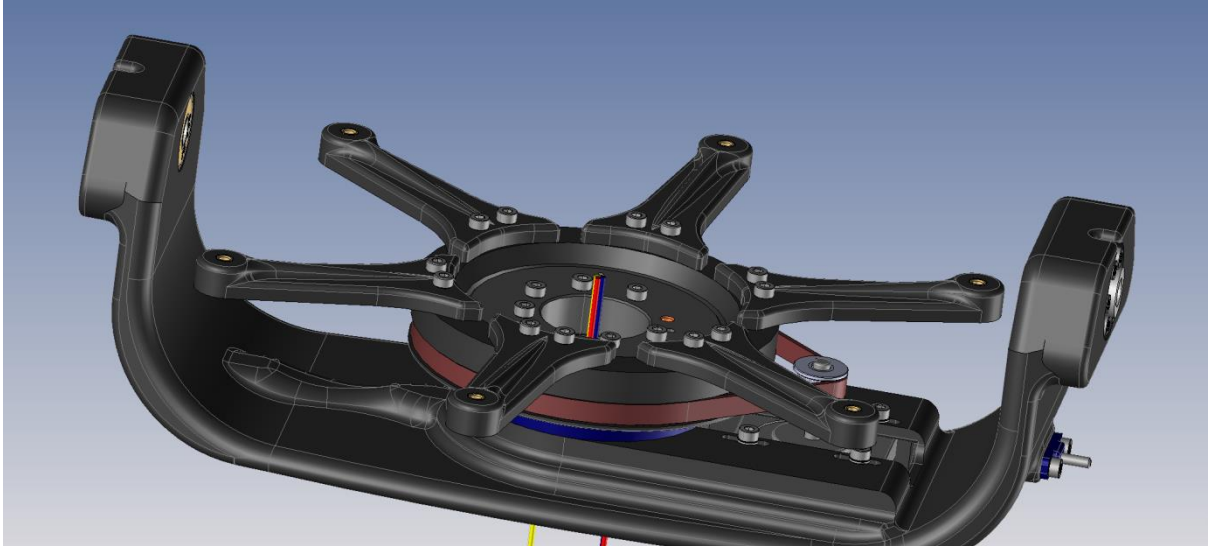
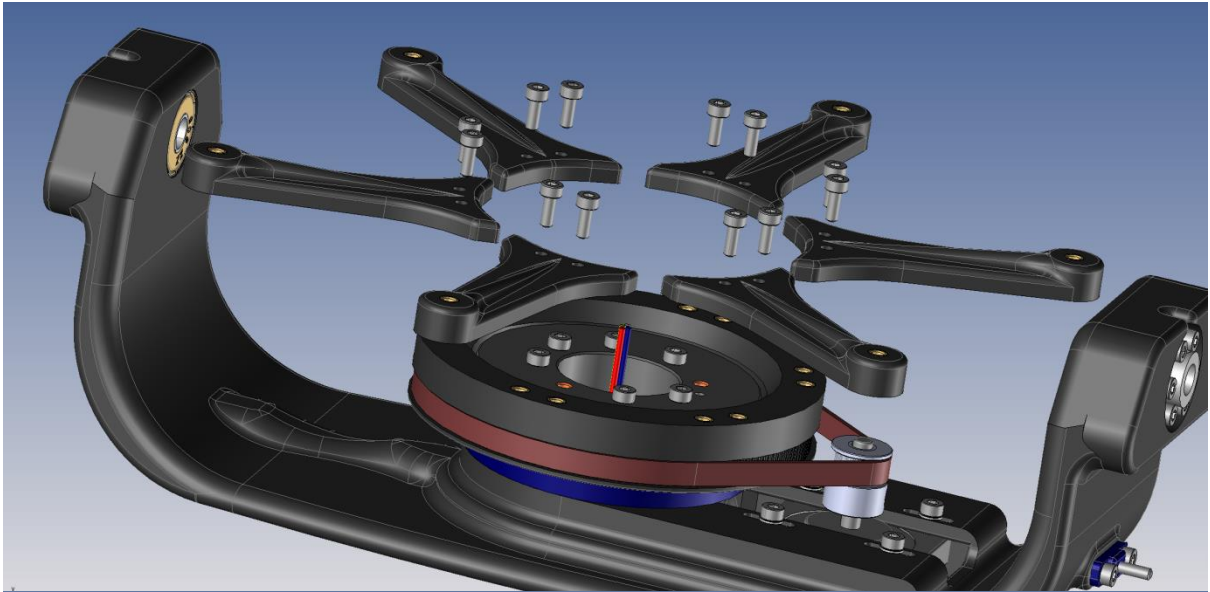


**NOTE:** 2x M3x8mm + 1x M3x12mm

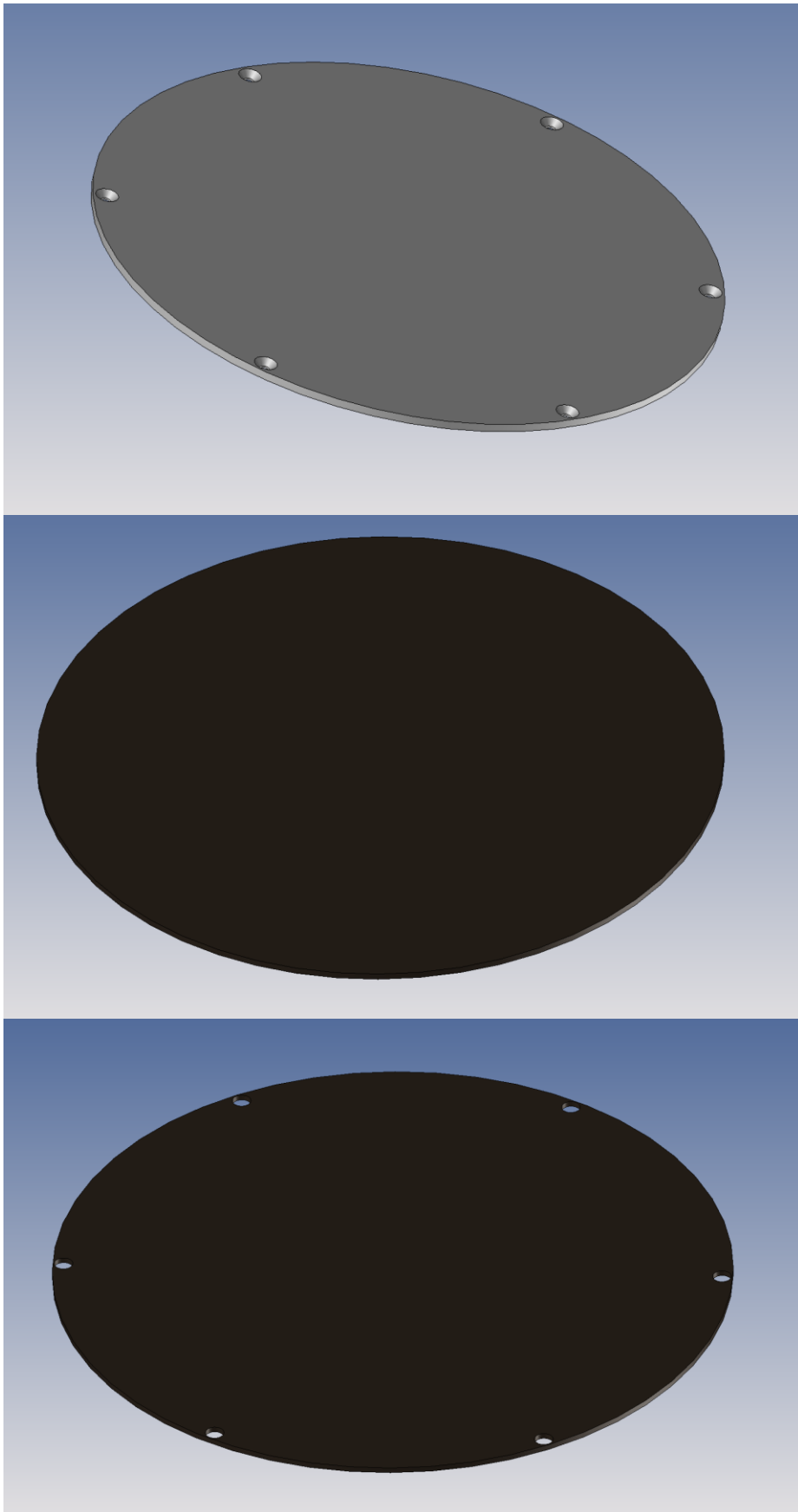


**NOTE:** the heat inserts used, are M3 x 5mm



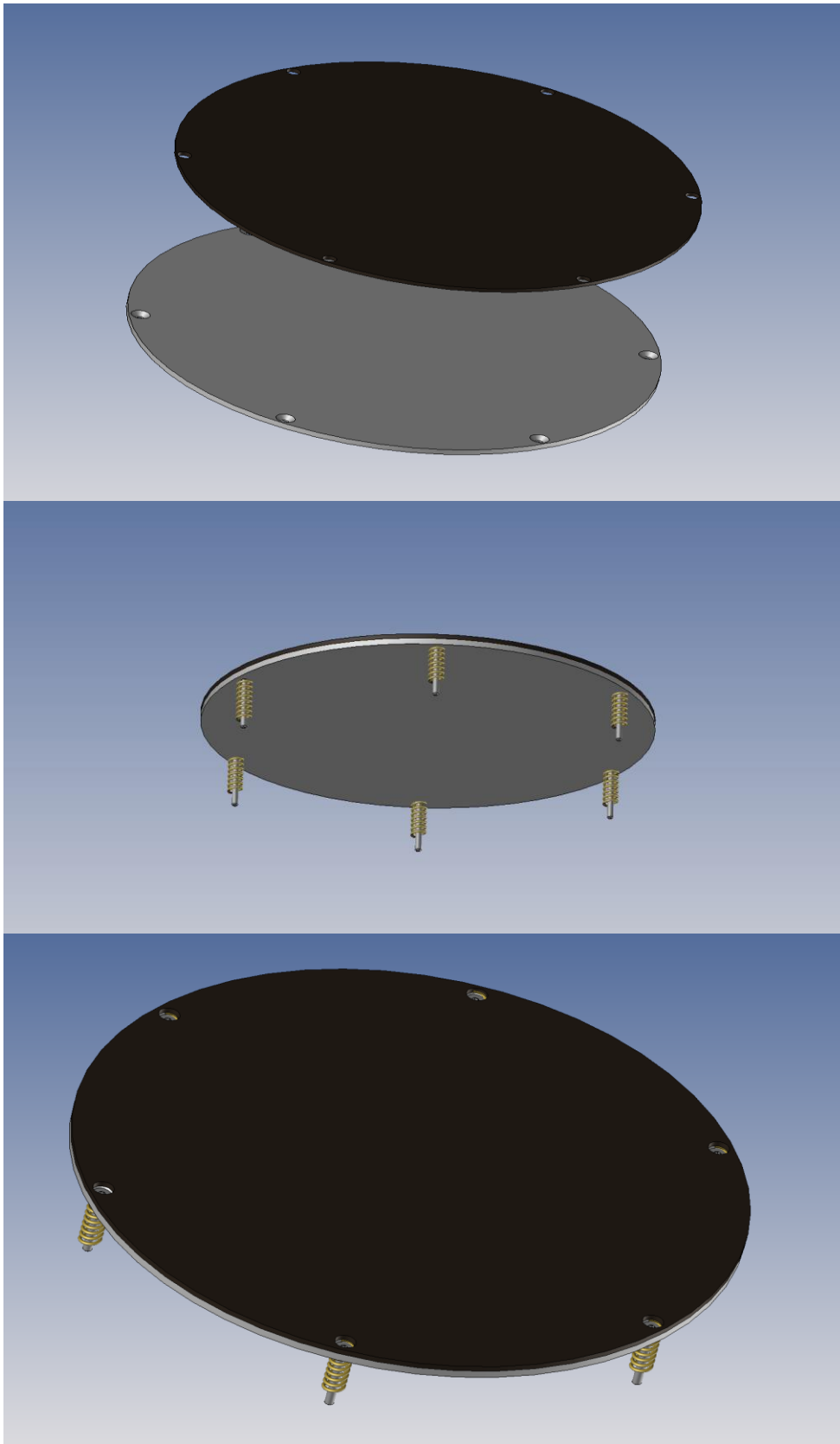


**NOTE:** 12x M3x8mm

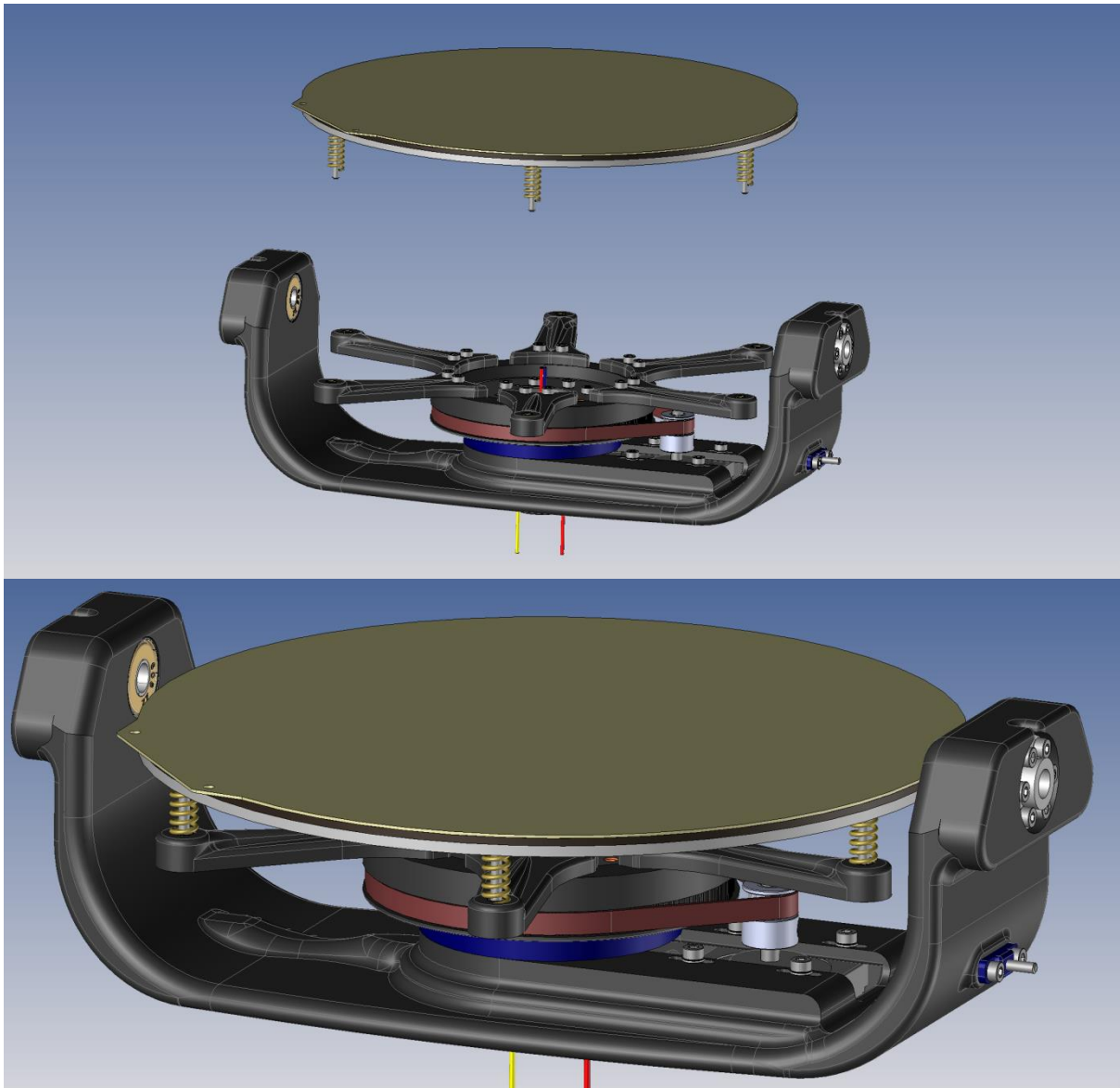


**NOTE:** Please drill six holes into the magnetic sheet to match the aluminum hotbed

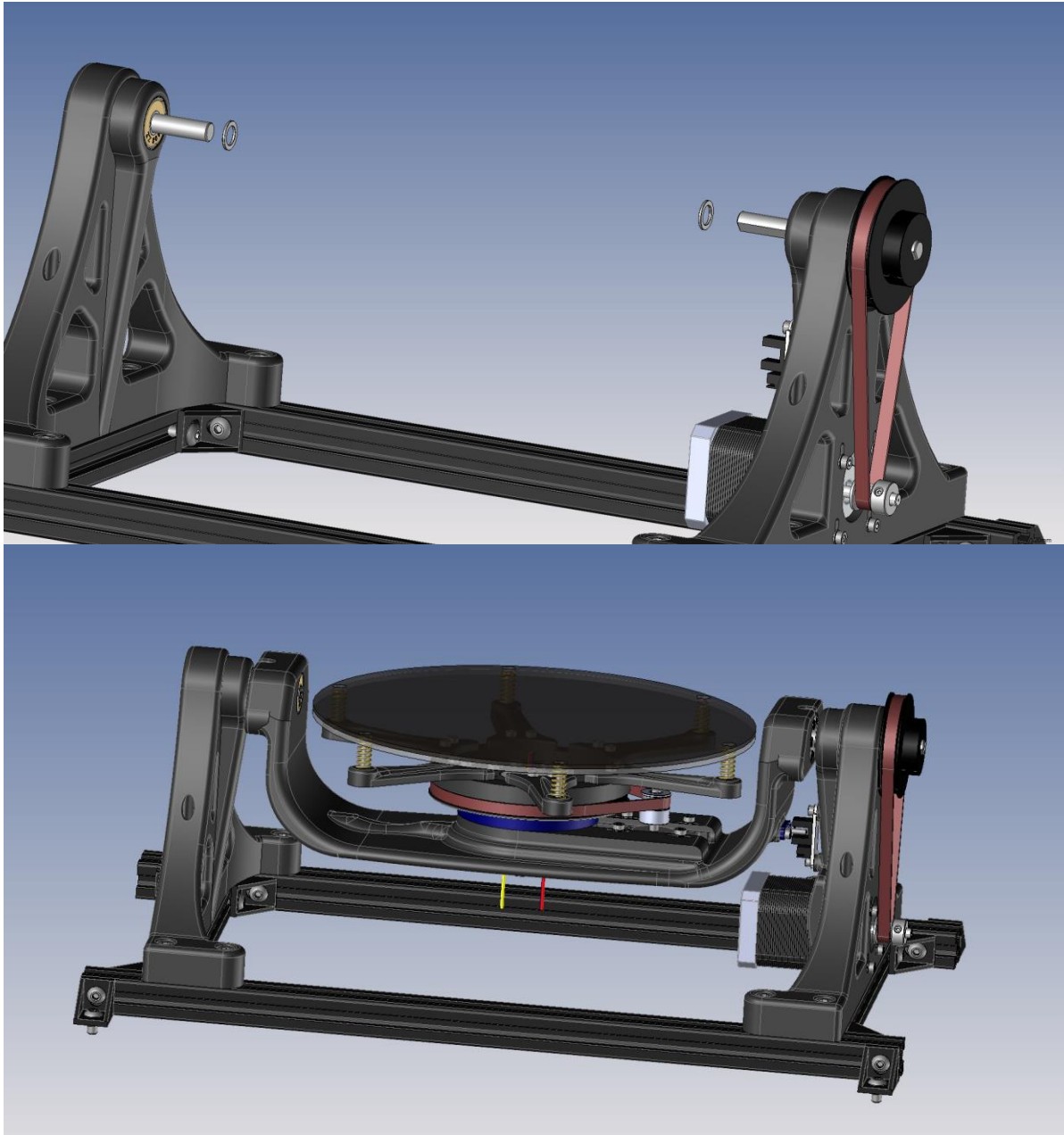




**NOTE:** 6x FHCS M3x22mm plus bed springs



**NOTE:** the adjustment with the bed springs for calibration of rotary bed will be done with Z axis on the printer



**NOTE:** now the tricky bit..

the length of swivel ABS parts is 280mm place the bed in between sides

and then push in the 8 mm shafts tighten up the right side and then the left side in mind,

the length in between M8 washers should be 280mm

Rotary bed should be swiveling freely on A axis and the sides shall not be bending when

the rotary is moving on A axis

test the swivel with your hands

