Fabrication and Assembly Instructions

Mechanical parts drawings

Use Drill bit no. 21

All Dimensions are in mm

Stylus
All Dimensions are in mm

Use Drill bit no. 21 to drill holes on both the sides

Horizontal Rod
Use Drill bit no. 21

All Dimensions are in mm

Vertical Plate
Use Drill bit no. 7 to drill the inner holes

Use Drill bit no. 21

All Dimensions are in mm

Horizontal Plate
Use Drill bit for M4 screws to drill the four inner holes

All Dimensions are in mm

Base Plate
Attaching the Falcons to the base plate

Two screws go in the two holes drilled in the base plate. Replace the M4 screws that came with the Falcon with the M4 screws of longer length, as shown in the Parts List.

Four M4 through holes (two per Falcon) are required in the base plate. Drill the holes as shown in the part drawing below, as well as in the file named Base_Plate.SLDPRRT in the Solid Works package. You also want to counter bore on the underside of the base plate up to the thickness of the head of the screw and the diameter of the hole should be the same as the diameter of the head of the M4 screw.
Assembling all the parts

The parts fit together as shown below.