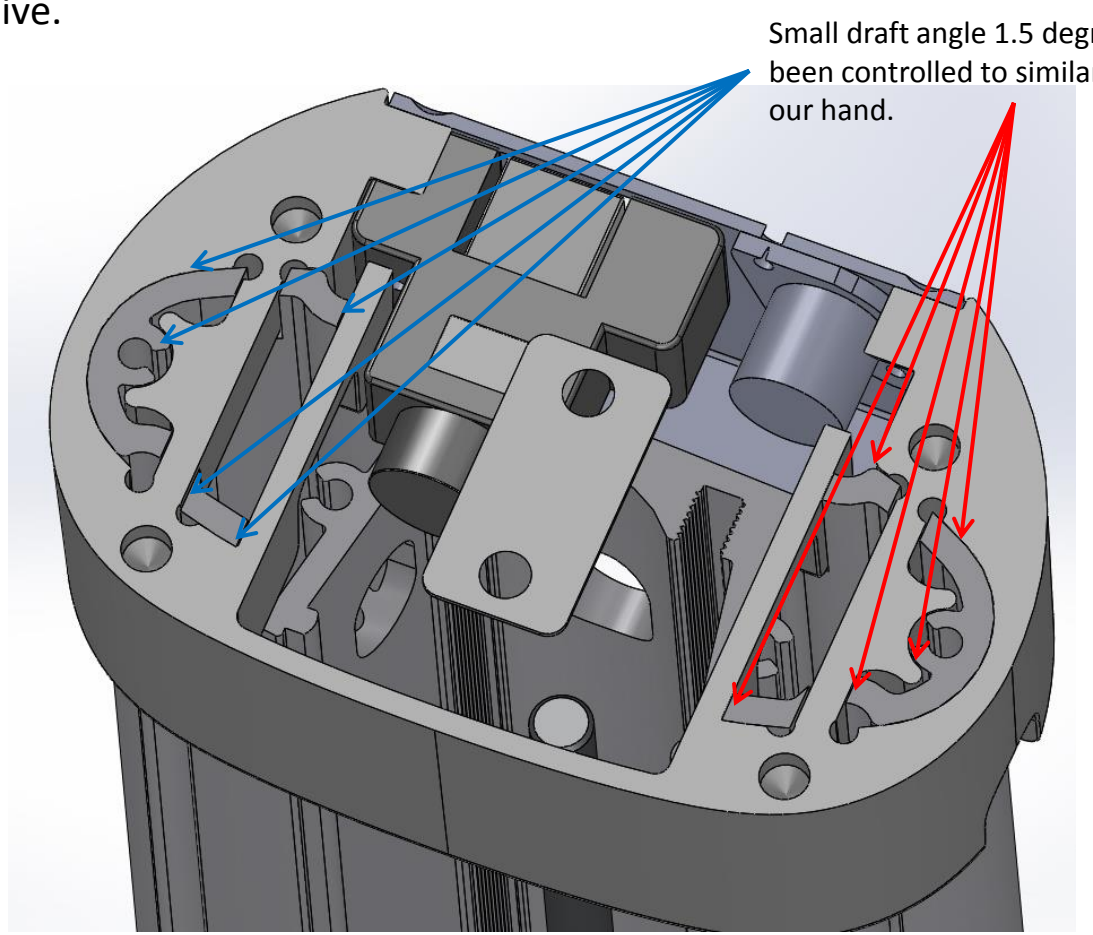
Cap on top of inner oval extrusion – design finalization

1. Including draft-angle for die-cast tooling production, as well as best performance of metal-to-metal adhesive.

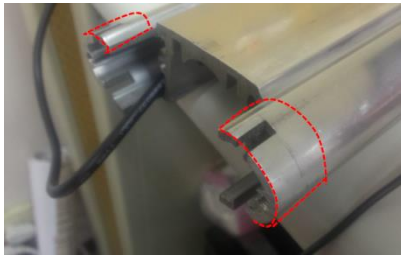
a) Draft angle in adhesive area as below, to control the gap between cap and extrusion to less than 0.5mm for best performance adhesive.

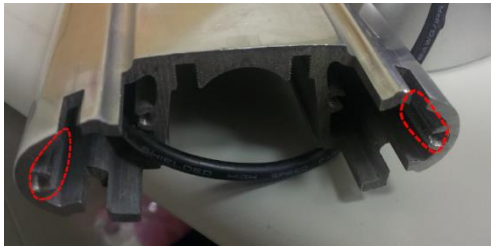


Cap on top of inner oval extrusion – design finalization

2. Testing of Metal-to-metal adhesive (PERMABOND ET538)

a) Applying glue in the area marked with red circles.





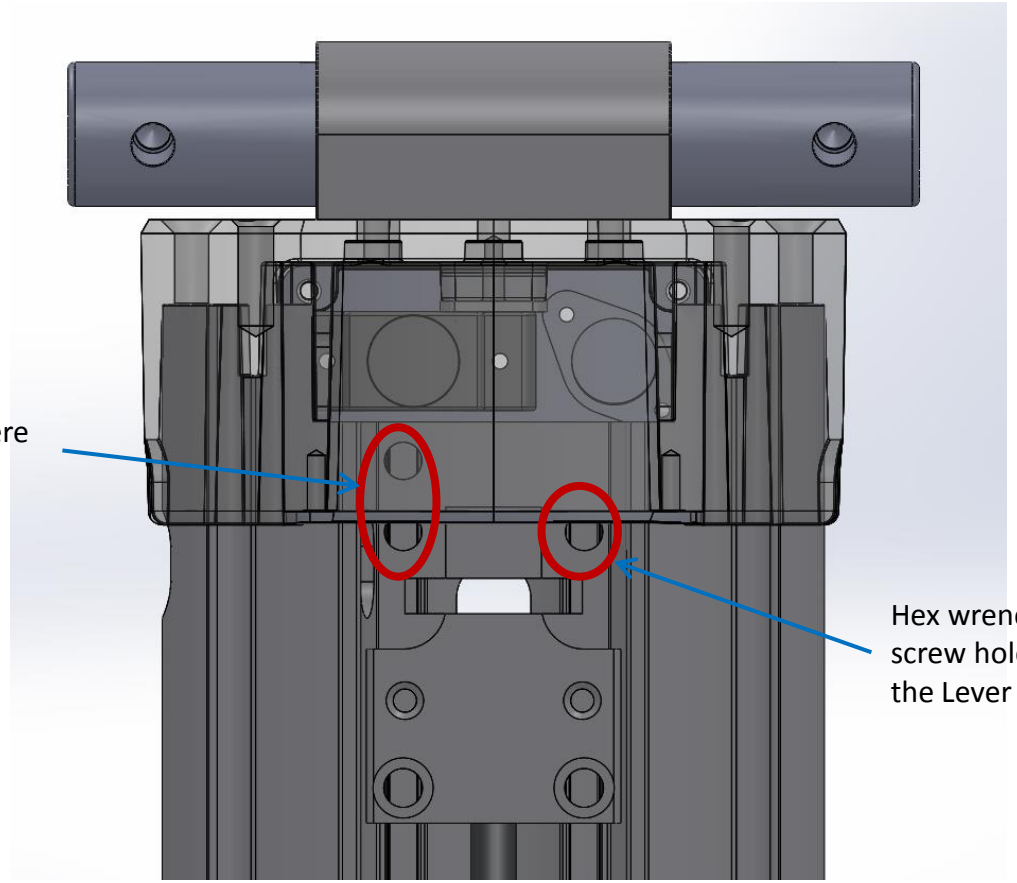
> 50Kg force, by 10 times

b) Metal desktop deformed and the cap still firmly fixed on the oval extrusion.

The two screws that to fix cap and the extrusion were NOT here – to test the glue strength only.

Cap on top of inner oval extrusion – design finalization

3. Check with no impact to the installation of LEVER BLOCK (P-10536), after the cap been installed and glued onto oval extrusion.

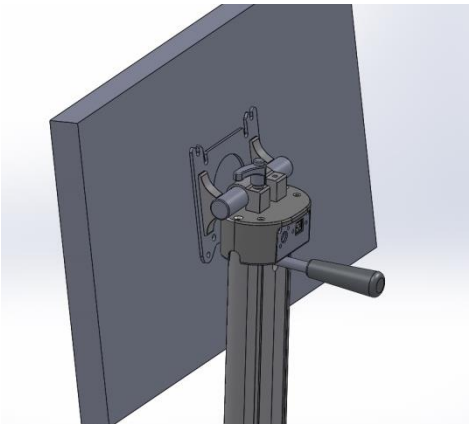


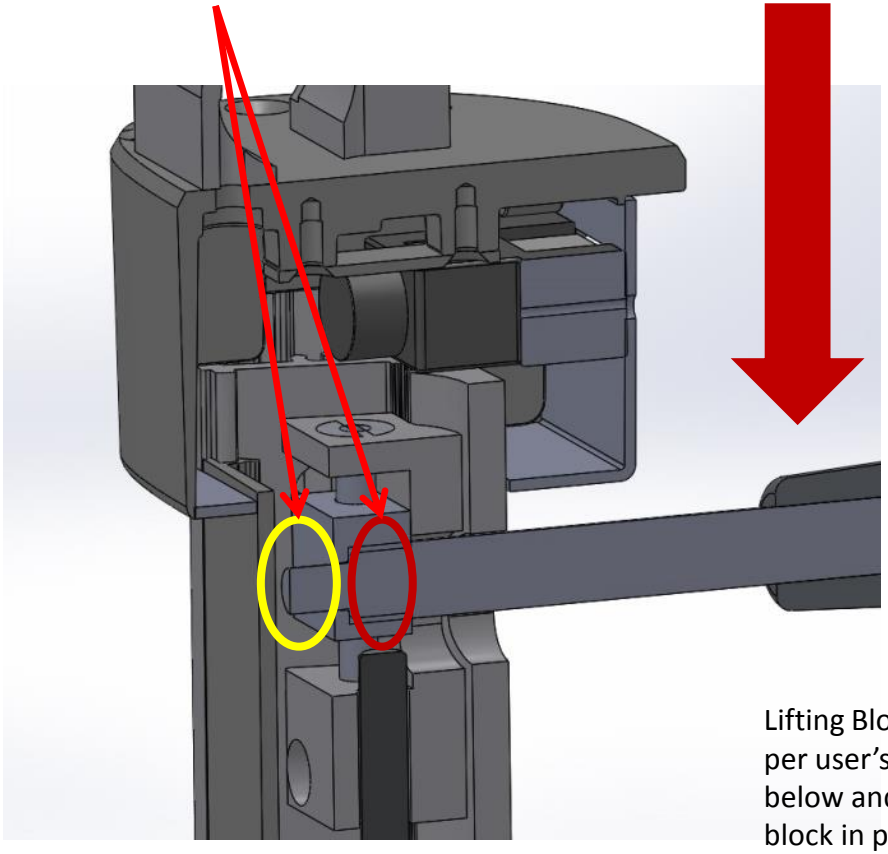
Cap on top of inner oval extrusion – design finalization

4. Design concept of up & down mechanism for Medi-Stand with the cap.

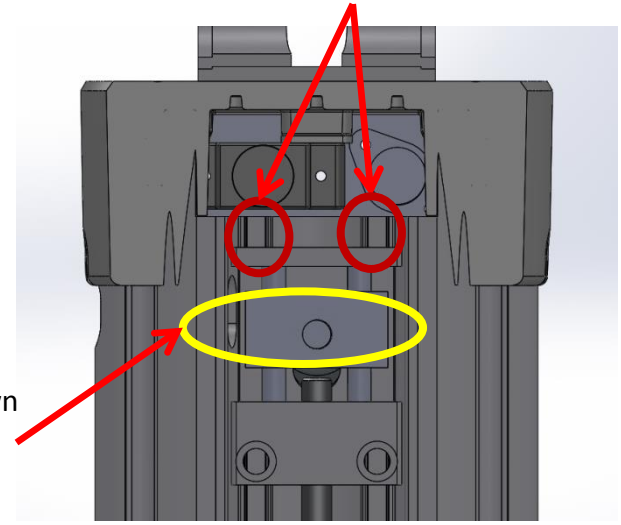
Threads and nut in red and yellow circles to allow installing and disassembling the lever.

User to push down the lever by 2Kg force and extrusion moves upward by gas strut force; user to apply more force to make extrusion goes downward.





Compression springs here to help user to press to activate the unlock switch of gas strut by 2Kg force.



Lifting Block here moves up & down per user's operating. Stainless rod below and springs above keep the block in position.