

Lock Prep for Woodford 2016/2017

30 kits need to be prepped for the workshop in Woodford this summer. 20 participants and some spares for extra participants and if something goes wrong. Also for demoing at a later stage at The Edge or to give away.

Lasercutting

The files for all layering can be found on the USB infant of the Mac in the Makelt space. It has a green lanyard and is an EDGE 8gb silver USB.

1. Hull

Corrugated cardboard, 6mm - Sheet size should be size of bed or appropriate size for the file. Although I'm not sure of the exact file name it should contain the words hull & sheet and be one of the latest modified documents in the folder. The file will contain 9 (if I rememberer correctly) layers. Back, hasp, middle layers. Not sure if there is a front layer, if not, it's not necessary other than for aesthetic purposes. They are not numbered, perhaps copy the numbers that are own the plug file.

2. Plug

Corrugated cardboard, 3mm - You can fit approx. 1.5 kits on an A3 sheets so create new document to fit the custom sized cardboard (bedsized?). File name as contains Plug and Sheet and should be one of the latest edited files. The latest files has numbered layers, 1-17.

3. Picks, Plug Supports, Chamber Supports

3mm acrylic.

Not sure if there is a file with both of these, but it should be easy to find the files needed. 1 pick and 24 (?) plug supports. They are small but each layer with cutouts for the support needs two.

I believe there should be 3x chamber supports per kit. Two approx 10mm diameter and one with smaller holes. There is physical lock on the make it desk with these supports, these are correct. File name unknown, might be in another file.

4. Tension wrenches

6mm acrylic.

Tension wrenches are L-shaped by design. make sure they fit inside the plug together with the pick. I have designed those that do, but once again, the filename escapes me.

Purchase List

- + **Daiso ballpoint pens, 10 pack.** For the springs so they have to be removed and put in containers.
- + **Postage tube (O/D:60mm)** We have a few of these already, some of the them are already lasered and just need to be sawed off.

- + **O-ring (I/D: 4.1mm O/D: 7.3mm), Nitrile rubber** Have a look in the Lock jewellery box, there are two sizes, not sure which one fits better but I think we need to order more of the small ones (which are not the dimensions above). Need to make sure they fit in the metal pipe. 3 per kit.
- + **3mm Skewers** 4 per kit
- + **Rubber bands, big ones.** There are some in the make it space but we need two per kit, so need another bag.
- + **Aluminium Pipe (O/D: 10mm)** Need 3 for each kit, approx. 50 mm (This needs to be double checked!). Also, last time we were unlucky and got 2-3 different inner diameters in the pipes. I believe the wider the inner diameter the better. Once again, make sure the dowels with the o-rings can easily fit inside the pipe.

Other materials

- + **Magnets** There are enough of these in the jewellery box. Need 4 per kit.
- + **30mm (O/D: 6mm) Dowel** There are a fair amount prepped.. There are more more dowel if more are needed.
- + **25mm (O/D: 6mm) Dowel** Same as above but we will need to prep more of these. Using a drill and a saw blade to create the groove. Use existing ones as reference, there isn't a lot of room for error.
- + **Electrical tape** I'm sure there is enough of this around, but just in case.