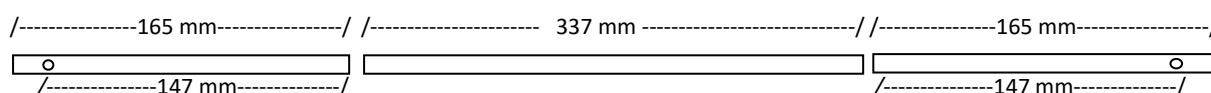


ASSEMBLY KIT FOR A VIRTUE RACK

This instruction describes a three part centre pipe, to reduce postage costs (if you want to send the kits to someone else).

- Start by threading the three middle parts of the centre pipe onto the rope
- Then insert and lock a cable tie in the bottom hole
- Assemble a 10 cm distance pipe followed by 2 discs, 1 distance pipe, 2 discs, etc.
- Finish by inserting and locking a cable tie in the top hole
- Make a simple knot on the rope closest to the centre pipe's upper and lower part
- Attach an ID plate on the rope so high that it is well above the water surface.
- Tie a weight at the bottom (which should *not* reach the sea bottom!)

Dimensions for VIRTUE centre pipes, using 3 mm discs



The material used:

The VIRTUE rack parts can be bought in most hardware stores, except the thicker **discs**, which can be manufactured by most plastic manufacturers. The signs can be made of white, plastic sheets. Use a soft lead pencil for writing.

*For microplastics observations:
Use metal parts!*

See special instructions in "How to build a VIRTUE rack".

The **plastic discs** should have a diameter of 120 mm*, preferably 3 mm thick made of plastic (PETG or acrylic) with a 12 mm centre hole. Plastic *Petri dishes* can also be used, but are more fragile.

** if you use discs of other material than plastic or other diameter, note this in your Report.*

In the US, it's common to use discs with a diameter of 100 mm

The **pipes** are made from "Vinyl tubes" (for electric wiring). There are also PVC free alternatives.

An original VIRTUE rack kit consists of:

- 10 transparent plastic (PETG) discs, 3 mm thick
- 1 plastic pipe (centre pipe) with an outer diameter of 10 mm (total length approx. 670 mm)
- 6 plastic pipes (distance pipes) with an outer diameter of 16 mm (length 100 mm)
- 2 cable ties (made of plastic)
- 1 plastic ID tag (for contact information and rack-ID)
- 1 synthetic 4 mm rope (approx. 300 cm)
- 1 assembly instruction

An instructional video showing how to assemble a VIRTUE rack:
www.youtube.com/watch?v=CyTWjYj3-MI

Good luck!
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