

# mreel.

## Assembly Instructions

### *Preassembly note*

*Due to the nature of the material, **DO NOT OVER TIGHTEN FIXINGS!** Use only hand tools and take up a firm hold. For every mechanical joint, apply thread-locking adhesive (i.e. Loctite) to ensure a secure and lasting connection.*

### Assembly Instructions:

1. Connect the 3D-printed installation jig, to the base plate using the included Red M5 dome fixings and recessed nut detail. Please note the 'sheave' annotation in the printed jig, and ensure the base plate with the sheaves is mounted to that side. You will notice the sheave base is not symmetric; the sheaves should be orientated so that they are closer to the inside of the jig.
2. Position the jig with the mounted bases at the intended installation point for the reeler. The jig features an inscribed line indicating the centre of the reeler spool, which should be aligned with the deck ferrule where the rope will be loaded. Additionally, use the sheaves to ensure proper alignment for the reeler's ratchet mechanism. Once the reeler is correctly positioned, mark around the bases to reference its location.
3. Once the reeler location is confirmed, the bonding area should be appropriately prepared, and the adhesive can be applied to the gripped texture on the bottom of the bases. For installations where the reeler is on its side or upside-down, there are self-tapper details on the bases that allow the bases to be held securely whilst the adhesive cures. Note to keep the install jig attached to the bases through these steps to ensure alignment with the reeler assembly. (If you are not qualified boat builder or rigger, please contact the team for further advice regarding installation.)
4. The reeler body can now be constructed. Taking the pre-assembled wheels, the six anodised aluminium cross tubes can be inserted into the recessed pockets. Using the Black M5 CSK fixings, apply Loctite and secure the wheels and cross tubes together.
5. Once the spool wheel is assembled, wrap the male Velcro around the centre cross tubes, and fold each end back under itself (with the Velcro facing outwards). Note there should be a gap between two of the tubes, to allow access to the centre of the drum for maintenance.
6. The legs can now be fitted to the assembled spool wheel. The axle studs on the wheels press into the bearings on the legs, with the (red) M5 CSK fixing with respective (red) washer capping the reeler together. Note that the 10mm Carbon brace tubes with the nappy should be located into their recessed pockets before the legs are fixed to the spool assembly. The nappy should be installed onto the side of the reeler that will be facing where the rope enters from.
7. The assembled reeler body can now be mounted to the bonded base plates. First remove the assembly jig, then using the same (red) M5 dome fixings, secure the reeler with Loctite. Note, ensure the ratchet wheel side is above the sheave base plate.

*Please contact us if you require any further information about rigging this unit into your boat. Fitting this unit within the boat is the responsibility of the client, and the success of the installation is not the responsibility of the supplier.*