

How to change the standard furling bobbin for the reduced diameter one.

In some cases it is necessary to use a reduced diameter bobbin (RDB) as some Hobie Revolution models have very little clearance between the mast hole and the front hatch. We now supply our customers who are Revolution owners with the additional bobbin so they can change it over if they find there is insufficient clearance for the standard bobbin.

It can be easily checked before assembling the kit by taking the base section of the mast with the bobbin attached and plug into the mast hole. If it is fouling on the front hatch then the RDB is required.

Due to the reduced diameter the loads on the furling rope are increased and so a little more attention to some maintenance will pay dividends. Keeping the mechanism clean of grit and sand and regular application of dry silicon lubricant is advised. Also when furling the sail de-powering the sail more will assist. The standard bobbin is capable of furling a 4m sq sized sail so the RDB is quite reasonable on sails up to 2.5m sq.

The bobbin kit consists of the bobbin and a 25mm diameter collar and a pop rivet.

1. Remove the standard bobbin by undoing the small screw that locates the base plug and unthreading the rope.

2. Cut the cable tie that was acting as a collar inside the bobbin and remove the bobbin.

3. Put the RDB base cap onto the mast and slide on the aluminium collar. Position the top of the collar approximately 300mm from the base of the mast. Drill a 4mm hole into the mast to accommodate the pop rivet using the pre-drilled hole in the collar as a guide. Pop rivet the collar in place.

4. Complete the assembly of the aluminium mast per main instructions.

5. Thread up the bobbin mid and top section, assemble the furling tubes attach sail before inserting the mast up the inside the furling mechanism. The RDB has a short length of rope threaded to act as a guide on how it is threaded.

6. Plug the bobbin together and locate base of bobbin to main bobbin tube with the self taper provided.

7. Tension the down haul and complete installation as per main instructions.