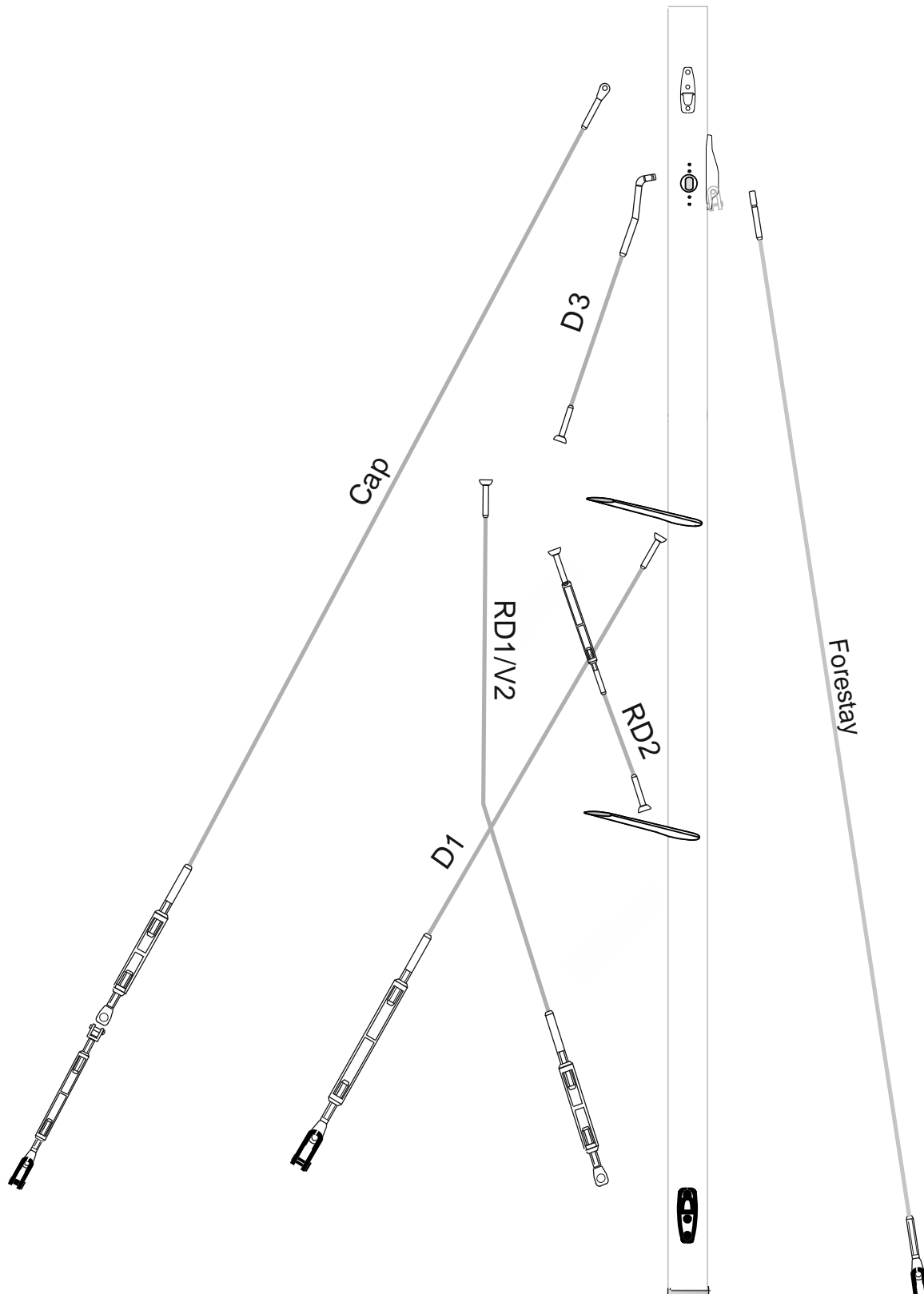


Assembly and tuning instructions for Lagoon 39



Preparation and assembly of the mast

1. Place the mast on supports on the ground with the forward side down. Place the supports so that the mast remains straight.
2. Secure the mast so it is prevented to rotate from side to side. This can be done later on by supporting the diamond spreaders.
3. Unpack all the shrouds and place them alongside the mast so that it's clear where to fit them.
4. Unscrew all rigging screws fully.
5. Mount the RD2 shrouds in the lower diamond spreader bracket on the mast.



6. Mount the two pairs of diamond spreaders (the upper ones are angled upwards and the lower ones are angled downwards).

7. While the shrouds are laying on the ground, mount the upper linked spreader ends to the connecting shrouds. The RD2's rigging screw stemball end needs to be unscrewed from the rigging screw to make it possible to mount in the spreader end insert.



8. Mount the clamping spreader ends on the RD1/V2 shroud. Make sure that the wire shall be fitted in the hole where it shall be clamped.
Don't clamp the wire, the height of the clamping shall be adjusted after that the ends are in place on the spreaders.



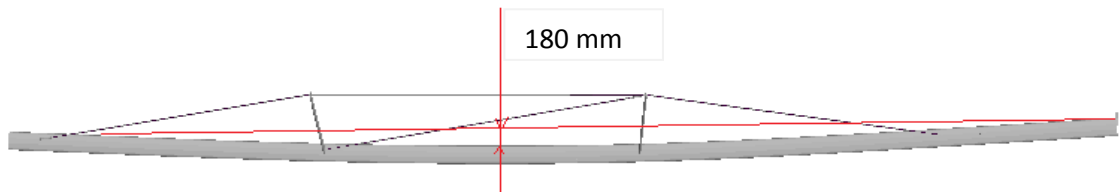
9. Mount the D3 upper ends in the fittings on the mast.

10. Mount the upper linked spreader ends in the upper spreaders.
11. Mount the lower clamping spreader ends in the lower spreaders.
12. Mount the lower RD1 rigging screws in the lower attachments on the mast.
13. Push the lower spreader upwards and pull the RD1 shroud downwards, clamp the spreader end. Measure with a measuring tape along the shrouds to clamp the opposite end on the same height with a tolerance of ± 5 mm.

Tuning the rig:

1. While the mast still is lying on the supports on the ground, tension the RD1/V2 rigging screw until that you have a pre bend of roughly 180mm.

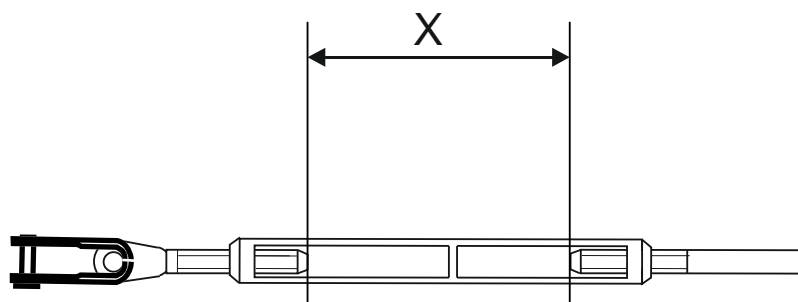
The pre bend can be measured by tensioning the main halyard along the mast down to



2. Lock the rigging screws with split pins and protect with tape.
3. Step the mast on the boat.
4. Tune the cap shrouds to 10% of their breaking strengths. Make sure that the rigging screws get tensioned symmetrically. The lower shrouds shall be slack.
5. Now tension the lower shrouds until that you have straightened the mast to a pre bend of roughly 100-120mm. Make sure that the mast remains straight in its lateral directions.

The tension should be between 5 and 10% of the wires breaking strength.

6. Lock the Cap and lower shrouds rigging screw with split pins and protect with tape.



	Tension when tuned	Indicative value of X
D1	5-10% of the wire breaking strength	80-90mm
RD1/V2	10% of the wire breaking strength	50-70mm
RD2	10% of the wire breaking strength	35-55mm
Cap	10% of the wire breaking strength	90-110mm*2

Boom and reefs:

Yellow= reef 1 on starboard side, passing the boom bracket
Green=reef 2 on port side, passing the boom bracket

