

SPREADER RAKE

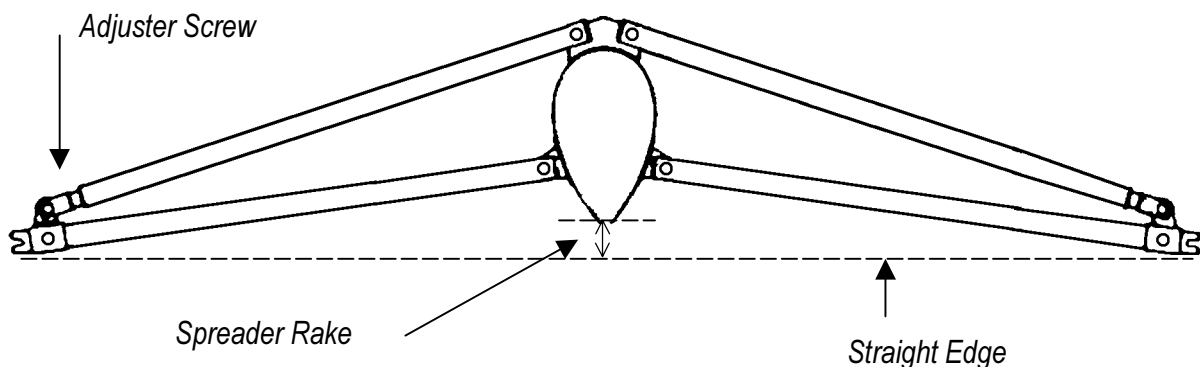
Spreader rake is the distance from the trailing edge of the mast to an imaginary line between the tips of the spreaders. To measure spreader rake, place a straight edge between the spreader tips and then measure the distance from the trailing edge of the mast.

As a starting point we recommend:

- Crew weight less than 75 kg = 70 mm or more
- Crew weight of 75-90 kg = 50-65 mm
- Crew weight more than 90 kg = 45 mm or less

In general, for heavier crew weight, reduce spreader rake and for lighter crew weight, increase spreader rake.

After adjusting spreader rake, it is wise to tape up all pins, split rings and sharp edges. Particularly if you are using an optional headsail or spinnaker.



DIAMOND WIRE TENSION

Diamond wire tension is best measured using a rig tension gauge – Loos gauge or similar.

As a starting point we recommend:

- Wind under 10 knots = 34 on gauge
- Wind 10 – 20 knots = 36 – 39 on gauge
- Wind over 20 knots = 40 or over on gauge

If a tension gauge is not available simply tension the turnbuckle until the fork is in the centre of the shield plate.

In general:

- For light winds or heavy crew weight = reduce tension
- For strong winds or lighter crew weight = increase tension

MAST RAKE

Adjust mast rake to suit wind conditions and crew weight as follows:

- Increase rake for stronger winds or lighter crew weight
- Reduce rake for lighter winds or heavier crew weight.

There are several factors that determine the most suitable mast rake. Crew weight, wind strength and sea conditions. A good starting point is to position the sidestays in the centre hole of the stay adjuster and tension the forestays to suit. Adjust then if necessary as per the guide or personal preference.



MAST ROTATION

A good starting point is to have the rotation arm pointing towards the sidestay for sailing to windward. To depower, decrease mast rotation or point the rotation arm more towards the back of the boat.

To get more power, increase the amount of mast rotation or point the rotation arm in front of the sidestay.

For downwind sailing increase the amount of mast rotation.

RUDDER BLADE ALIGNMENT

A good starting point is to have the rudder blades slightly toed-in. 3-5 mm is recommended. This means that the distance between the two rudder blades leading edges is 3-5 mm less than the distance between the trailing edges.

Use the threaded adjuster cap on the tiller crossbar to adjust alignment.

HAVE A HOBIE DAY !

Spanningsmeter.

Spanning op de stagen meten met een spanningsmeter. Die ene dag ging de boot zo lekker alles ging vanzelf om dit te reproduceren is het van belang om een aantal zaken te meten. Spanning op de zijstagen en spanning op de diamant verstaging. Te weinig spanning op de diamant verstaging en de mast gaat zijn eigen weg onder druk van de wind. Teveel spanning en de boot heeft te weinig druk. Te weinig spanning op de zijstagen geeft minder controle over de fok en laat de mast teveel bewegen. Teveel spanning en de mast draait moeilijk plus verlies van power doordat de mast in mekaar gedrukt wordt door de verstaging.

Boot afstellen met een spanningsmeter zorgt ervoor dat er een nummer ontstaat met bepaalde eigenschappen. Nauwkeurig meten geeft reproductie en vergelijk met andere boten.

Wij stellen er onze catamaran iedere dag mee scherp op de volgende waardes.

Zijstagen - Loose&CO: 24

Diamanten - Loose&CO: 41



The NEED for SPEED,

Mischa Heemskerk