Contender Worlds 2026 measurement guide

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Introduction

The measurement will use the latest class rules (17 June 2025) together with the current RRS and ERS except where varied by the NOR and SI. This document is only a guide and does not form part of the measurement process.

This document is in two parts, the first part shows/lists how the various parts of the boat should be prepared for the check measuring process. The second part details the measurement process itself and the things to be checked.

Part 1 – Equipment Preparation

There are 4 main measurement areas, these are for the hull, the mast, the foils and the sail. Equipment preparation for these are detailed in the following sections. After the 4 main parts are completed, the mast has to be stepped and the final, 5th area, measurements can be made.

#1 - Hull

As some boats have ropes that are difficult to remove, for this event I am allowing two methods for checking the hull weight.

In both cases the hatch covers should be removed and placed in the cockpit, the centreboard fixings should be with the hull.

Preferred Presentation

A weight of at least 83.0 kg is expected with up to 6kg correctors.

Things Included
Anything permanently attached to the hull (e.g. compass, water bottle holder, Sta masters).
Clip on compass **if specifically recorded on the measurement form/certificate.**
Centreboard attachment fittings.
Mainsheet strop/traveller.
Hatch covers (placed in cockpit, see photo).
IYRU/ISAF/World sailing plaque.

Things not included
All ropes except the traveller.
Trapeze elastic.
Shroud adjusters attached with pins/split rings.
Everything else (e.g. centreboard stuffer, tow rope, water bottles etc.)

Optional Presentation

If the hull weight, including an allowance for ropes unable to be easily removed, is clearly above the class minimum weight limit then the hull will be passed. If the hull weight appears to be close to the class limit and cannot be measured with sufficient confidence then the hull must be presented without any ropes. The notional allowance for ropes (outhaul, cunningham, kicker rope, centreboard uphaul/downhaul), and trapeze elastic is **500g**.

Things Included
Anything permanently attached to the hull (e.g. compass, water bottle holder, Sta masters).
Clip on compass **if specifically recorded on the measurement form/certificate.**
Centreboard attachment fittings.
Mainsheet strop/traveller.

Control lines: outhaul, cunningham, kicker/vang, centreboard uphaul/downhaul
Trapeze elastic.
Hatch covers (placed in cockpit, see photo).
IYRU/ISAF/World sailing plaque.

Things not included
Mainsheet.
Shroud adjusters attached with pins/split rings.
Everything else (e.g. kicker/vang cascade system, centreboard stuffer, tow rope, water bottles etc.)

#2 - Mast

The mast is measured with the rigging attached and the halyard in the sailing position.

The main shrouds, lowers and forestay should be pulled tight and secured at band one (the lowers may only be secured at the mast heel if they can't be secured at band 1). The tails should be secured at the mast heel (see photo). [Note this slightly different to the way we've done it in the past, however it makes no difference to the tip weight measurement when using scales with a resolution of 10g].
If the trapeze height adjustment / harness attachment gear can be removed then the trapeze lines can be run along the mast and secured at band 1, otherwise the trapeze should be coiled up and temporarily taped to the mast above band 3.

Shrouds pulled tight, trapeze coiled up.

Tape at band 1 securing shrouds, tape at heel keeping the tails under control

Things Included
Halyard in sailing position
Rigging – shrouds, lowers, forestay
Shroud adjusters
Sta masters (if not measured as part of the hull)
Forestay/Highfield lever
Compass bracket if permanently attached.
Water bottle carrier if permanently attached.

Things not included
Everything else (e.g. Water bottle, compass, burgee, windex...)

#3 - Foils

One centreboard and up to two rudders may be presented for measurement.

Things Included
Fittings
Rudder stock and tiller

Things not included
Tiller extension

#4- Sail

Up to two sails may be presented for measurement.

Sails **must** have been measured by a national measurer and evidence of this **must** be available (e.g. button, signature and date, sticker, etc.).

Remove all battens, if possible, as this is the ERS requirement. If the battens cannot be removed easily the sail can be presented with them fitted, however it may be necessary for the competitor to remove one or more during the measurement process.

Roll from the head with the port side uppermost down the luff.

#5 - Rigged measurements

The following measurements are made with the rig tensioned.

- Point where the aft edge of mast including sail track intersects with the deck to the transom.
- Mast band 1 upper edge to deck measured along the aft edge of the mast including the track.
- Boom band inner edge to aft edge of the mast including track.
- Evidence that a tow rope is available.

Part 2 – Equipment Inspection

There are two days to process almost 100 boats. For the mast and foils there will be up to 60g weight that can be attached to the item to bring it up to weight. If the discrepancy is >60g then the item's weight will be recorded on the measurement form as 'attempt#1' and you will be asked to leave, sort it out and bring it back later.

If something doesn't measure, get everything else checked before you leave to get the problem sorted.

Please plan to arrive 10 minutes before your measurement time, there should be space for 8 boats outside the measurement area (4 starting the process and 4 finishing).

Things to bring

- Measurement certificate (electronic version is acceptable) or completed measurement form
- Hull
- Mast
- Boom
- Sails
- Foils (including rudder stock and tiller)
- Tow rope (*min. length 15 metres, min. diameter 8 mm, capable of towing several boats)*

See part 1 of this document for how to prepare the items.

Do **NOT** bring anything else.

Everything must be clean and dry. If it isn't you will have to book another measurement time.

Process

We are aiming for a maximum of 5 minutes at each measurement station. Hopefully less for the foils and sails.

1. (from home) You can choose a time slot for the measurements on Saturday of Sunday July 4 or 5 using the registration at https://worlds.contenderzeilen.nl. This will be open until Thursday July 2nd 23:59. If you not manage to do this, you will be able to book a remaining time slot at the registration desk. Each slot is for 20 minutes.
2. Visit the race office registration desk to verify your details such as third party liability insurance and sail number. You will also collect your Official Worlds Measurement Check Form and tie-on labels to attach to your mast and foils.
3. Write your name and sail number on the provided tape. Attach as follows:
   Sails - On sail bag if the sail is in the bag, otherwise on the clew
   Mast - At the gooseneck
   Centreboard - At the head
   Rudder - On the tiller
4. The measurements will take place in and near the tent near the Race office. Put hull etc. in one of the spaces outside the measurement area, preferably the parking lot adjacent to the tent.
5. Bring your chosen equipment, measurement certificate and Worlds Measurement Check Form to the reception in the measurement area for verification and worlds stamp. Do this 5 min prior to the start of your time slot and have your gear prepared..
6. Deliver **foils, mast** and **sails,** together with the correct part of the measurement form, to the measurement stations and attend the various stations as per your check form.
7. As soon as you can after the hull and mast are measured, then step the mast and tension the rig (you may need to do this after visiting all 4 stations depending on time). Fit the boom to the gooseneck and get the checks made.
8. After the mast set up check, deliver all 4 pages to Chris Howe, our official measurer. He will do the final check, sign and staple them together. Your Worlds Measurement check Form is now completed.
9. Remove your boat etc. from the area and return to the race office registration desk, with your completed Worlds Measurement check Form to complete registration for the Worlds.

Summary of measurement checks

To provide an indication to competitors of the likely checks to be made, the following sections are a non-exhaustive list of points that **may** be verified during the measurement process. The applicable rule and the likely data recorded is also given.

Measurement Certificate / Measurement form

- Owner’s name – record value
- Sail number – record value
- World sailing/ISAF/IYRU plaque number – record value
- Weight – record value
- Weight of correctors – record value

Hull

- Weight – record value (rules 16.1 & 16.2)
- World sailing/ISAF/IYRU plaque present - yes/no
- Correctors fitted - yes/no
- Sta masters included in hull weight - yes/no
- Compass included in hull weight - yes/no

Mast

- Total weight – record value (rule 13.7)
- Tip weight – record value (rule 13.8)
- Correct fore/aft and athwartships dimensions at ~300mm above band 1 – yes/no (rule 13.1 ii)
- Bands in correct positions – yes/no (rule 13.5)
- Drain holes below band 1 – yes/no (rule 13.12)
- Sta masters included in mast weight – yes/no

Sail

For each sail:

- Sailmaker’s name
- Evidence of certification measurement – yes/no (record serial number if present)
- Three quarter height cross measurement OK – yes/no
- Half height cross measurement OK – yes/no
- Quarter height cross measurement OK – yes/no
- Leech length OK – yes/no

Foils

- Foil fits to template – yes/no

- Centreboard weight – record value (rule 11.5)
- Rudder and stock weight – record value (rule 12.4)
- Size of any corrector weight on the centreboard. – record dimensions.

Rigged Measurements

- Aft edge of mast including track at deck to transom – yes/no (rule 13.9)
- Mast band 1 to deck – yes/no (rule 13.5)
- Boom band to aft side of mast including track – yes/no (rule 15.3)
- Evidence that tow rope is available – yes/no