

## **Seldén definitions - rig fact measurements**

**Complementary descriptions to diagrams at rig fact sheet 595-543.**

### **The rig**

#### **FH Forestay Height**

Fractional rigs

From deck/coach roof where the mast base stands or where the mast enters the boat to where an extension of the forestay intersects the front of the mast.

Masthead rigs

From deck/coach roof where the mast stands or where the mast enters the boat to top end of mast extrusion.

#### **CSH Cutter Stay Height**

From deck/coach roof where the mast stands or where the mast enters the boat to where cutterstay crosses the front of the mast.

#### **P Main sail luff space**

From top edge of black band at boom level (top side of the boom aligned 90° to the mast) to lower edge of top black band.

#### **BH Boom Height**

From deck/coach roof where mast stands or where mast enters the boat to top edge of the black band at boom level (top side of the boom aligned 90° to the mast).

#### **Q Bury**

From deck/coach roof where the mast enters the boat down to the surface where the mast base is fitted.

#### **E Main sail foot space**

From aft edge of the mast to the forward edge of the boom's black band.

- S Main sheet deck attachment, distance aft of mast**  
From aft edge of the mast to the main sheet fitting in the boat.
- SF Main sheet fitting on boom, distance aft of mast**  
Multiple sheet attachments on boom may be denoted with **SF1**, **SF2**, **SF3** etc, positioned from aft face of the mast.
- SPL Spinnaker Pole Length**  
**Note:** Different rules state different definitions, the SPL varies slightly. Please see actual measure rule system.
- J Fore triangle base**  
Horizontal distance from the intersection between forestay and deck to the mast section front at deck height level.
- DH Deck height**  
Centre of V1 chainplate pin hole / the surface where the tipcup chainplate is mounted to deck/coach roof where the mast base stands or where the mast enters the boat.
- WLH Water Line Height**  
Vertical distance from water line to deck/coach roof where the mast stands or where the mast enters the boat.

## **The Chainplates**

### **Mast rake**

Wanted aft ward mast rake in degrees.

### **Q Bury**

From deck/coach roof where the mast enters the boat down to the surface where the mast base is fitted.

### **Lateral chainplate position**

Horizontal distance from the centre line of the boat to the centre of the chainplate's pin hole or where the centre line of the deck tipcup stud intersect with deck.

### **Longitudinal chainplate position**

Horizontal distance from the geometrical centre of the mast (cross section length / 2) to centre of the chainplate's pin hole or where the centre line of the deck tipcup stud intersects with deck.

### **Vertical chainplate position**

Vertical distance from deck/coach roof where the mast stands or where the mast enters the boat to the centre of the chainplate's pin hole / the surface where the tipcup chainplate is mounted.

### **Ø Chainplate hole diameter**

### **Tipcup chainplate measures**

- H1 Distance from the surface where the tipcup chainplate is mounted to the end of the stud, in direction of the stay.
- H2 Height of the tipcup chainplate base.
- H3 Length of the thread, from lower end of thread to upper end including non threaded end.

## Righting moment data

### RM30° Righting Moment at 30 degrees

Static righting moment the boat creates at 30 degrees heel.  
IMS, IOR or other measuring rule data may be given. As well as a 30 degrees value from the designer of the boat.

The righting moment can be approximately estimated by Seldén if boat data are given as below.

For the stated righting moment it shall be stated what's included. Whether the stated righting moment is stated for a fully loaded and equipped boat or not and how many crew members sitting on rail taken into account.

### Length over all

The over all length of the yacht.

### Max Beam

Maximum beam of the boat.

### Draft

Maximum draft of the boat.

### Displacement

The total weight of the boat, including ballast.

Note: It shall be stated whether this value is for a loaded boat or not.

### Ballast

Keel weight including bulb.

### Bulb / Wing keel

Is the keel a classic conventional keel or is it a wing keel or bulb keel which most of modern boats are equipped with.



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