



ROYAL·DENSHIP

Trim Guide for BB Dragons

Made by Markus Wieser – Oct. 2005

1. Rig Trim

We are using the Loose Gauge PT-2M for all tension measurements of shrouds and runners. The shrouds have to be measured without the plastic protection!

Mast foot position (below deck)

Distance bulkhead – bolt (of mastfoot track) **43 cm**

Mast rake (measured by length of forestay)

Pre setting: before you are able to measure your mast rake, you have to set up a measure tape on the forestay wire. As follows: hold a measure tape from deck level along the mast and mark the mast at the point of **79 cm** above deck. Bring the forestay back to the mast, pull it down under pressure and mark the forestay wire where it intersects with the **79 cm** mast mark.

Distance deck (middle of jib furler) – up to forestay mark **120 cm**

Mast pre band Control

Measured from position no 4 at mid deck position to mastfront

Position no 4 – mast control fully back **83 cm**

Shroud position

Measured from position no 4 at hull-deck position towards astern up to upper and lower shrouds

Upper Shrouds **80 cm**

Lower Shrouds **83 cm**

2. Water Trim

Based on Fritz Sails which is not that much different to the North trim we are doing as follows: The numbers are measured when mast is fully back (by mast controller) and both runners are on 6 LG tension!!

Upper Shrouds

Wind	Knots	Loose Gauge
L	03-06	12 LG
LM	07-10	14 LG
M	11-15	16 LG
MH	16-20	20 LG
H	21-	22 LG





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Lower shrouds

Wind	Knots	Loose Gauge	Mast sag
L	03-06	03 LG	yes
LM	07-10	05 LG	yes
M	11-15	08 LG	no
MH	16-20	10 LG	no
H	21-	12 LG	no

Always adjust the lower shroud tension on the water when looking up the mast on the back side. Up to medium breeze there should always be a little mast sag to leeward. Rule: The more breeze, the lower shroud tension.

Jumpers

BB Dragons do as standard have an individual jumper system. We fix both jumpers on the mast track always at one position.

Wind	Knots	Tension	Topmast to
L	03-06	loose	leeward
LM	07-10	slightly on	straight
M	11-15	on	windward
MH	16-20	on	straight
H	21-	on	leeward

