



Class Tuning Guide

The following includes the rig settings and the title won at each Championship event from 2003 to 2010.

2012 | Rick Perkins (GBR) | 2007 UK National Championship (1st place)

| | |
|--------------------------|----------------------------|
| Helm | Rick Perkins |
| Weight | 70 - 82kgs (82kgs in 2007) |
| Height | 180cm (5' 11") |
| Rake (mm) | 7250 |
| Shroud Tension | 30 |
| Lower Tension | 12 |
| Spreader Length | 390mm |
| Spreader Deflection (mm) | 120mm |

Here are the settings for some of the faster sailors over 2006

Seems they are all pretty much the same ... looks like a bit of practice is the answer ...

2006 | Various Musto Skiff Sailors

| Helm | Richard Stenhouse | Ian Trotter | Ian Renilson | Rick Perkins | Dan Dixon | Ant Chapman |
|----------------|-------------------|-------------|--------------|--------------|-----------|-------------------------|
| Weight | 90kgs | 80kgs | 72kgs | 74kgs | 87kgs | 64kgs |
| Height | 5' 11" | 6' 2" | 5' 9" | 5' 11" | 5' 11" | 5' 8" |
| Worlds 2006 | 1st | 2nd | 5th | 4th | - | |
| Nationals 2006 | 1st | 2nd | 3rd | 5th | 4th | 10th (winner of race 2) |

| | | | | | | |
|---------------------------------|------|-------|------|------|------|------|
| Rake (mm) | 7270 | 7270 | 7270 | 7250 | 7270 | 7117 |
| Shroud Tension | 28 | 28-30 | 30 | 30 | 30 | 31 |
| Lower Tension | 12 | 10-12 | ?? | 12 | 12 | 5-12 |
| Spreader Length | ? | 390 | 390 | 390 | ? | 390 |
| Spreader Deflection (mm) | 110 | 115 | 115 | 120 | ? | 114 |

Settings for Richard Stenhouse – Multiple Title Winner

2005 | Richard Stenhouse (GBR) | Multi-National, World & European Winner

Here are Sten's figures/comments from March 2005

Rake is 7270mm - 7300mm I don't measure it very often too lazy. It is mainly based on the trim of the boat, too bow down I rake back, if the transom drags I rake up.

Loose gauge readings Shrouds 28, Lowers 10 (Max 15 - Min 6) Forstay I never measured it.

Spreader sweepback 110mm to 120mm depending on rake

Mast heel is as far forward as it can be without touching the front pin.

My aim with all the settings to have a straight mast with the shrouds on 28 adjusting for any differences with spreader angle and use the lowers to match the conditions that day.

Here are the settings for the Top 5 at WYC - May 2004

2004 | Various Musto Skiff Sailors

| Sailor | Height | Weight (Kgs) | Spreader Length (cms) (1) | Spreader Deflection (mm) (2) | Lower Tension (3) | Shroud Tension (3) | Shroud Position | Mast Foot (4) |
|-------------------|--------|--------------|---------------------------|------------------------------|-------------------|--------------------|--------------------------|---------------|
| Ian Trotter | 6'2" | 81 | 38 | 115 | 5 | 28 | 5 down on the back row | 5 |
| Richard Stenhouse | 5'11" | 94 | 39 | 120 | 10 | 28 | 5 down on the back row | 4 |
| Kev Anderson | 5'11" | 85 | 38 | 115 | 7 | 30 | 5 down on the back row | 4 |
| Ian Turnbull | 6' | 91 | 38.5 | 105 | 8 | 30 | 6 down on the front row* | 4 |
| Martin Boatman | 5'10" | 76 | 38 | 120 | 8 | 30 | 5 down on the back row | 4 |

Key

- 1) Measured from the side of the mast to the shroud
- 2) Stretch elastic between the shrouds at the end of the spreaders and measure the distance to the mast track
- 3) Measured on a metric Loose gauge
- 4) The design of the mast foot has changed over the years, but most people have it as far forward as possible (see pic, you can just see the bolt in hole 4)



* Note: Ian uses Ronstan rig adjusters

General Settings from Ovington Boats, this is a good starting point.

| Rig component | Light - medium wind | Heavy wind |
|-----------------|--|--|
| Rig tension | 27-30 on Loos rig gauge (on shroud) | 27-30 on Loos rig gauge |
| Spreader length | Showing 2 holes on length adjuster | Showing 2 holes on length adjuster |
| Spreader angle | 85-110mm from rear of mast to shroud line | 85-110mm from rear of mast to shroud line |
| Rake | 5th hole down on the aft row | 7th hole on the aft row |
| Lowers | 5th hole down on front row (giving 10 on Loos gauge) | 5th hole down on front row (giving 10 on Loos gauge) |
| Mast foot | 4th hole from the front** | 4th hole from the front |

** 5th hole on older boats. (Older set up shown below)



Other people rig settings:

2004 - 2003 | Various Musto Skiff Sailors

Matt Toone 24/6/2004 (4th UK Nationals)

- My rake is about 7410. Most people were on 7470 in garda (or thereabouts).
- Tensions seem similar - 28-30 on loos gauge on mains, 8-15 on lowers (condition dependent).

Update from Matt 12/1/2004

- Rakes have settled at about 7300mm (from mast tip to lower skin of transom. 28-30 on loos gauge
- Lowers between 8-15 depending on weights and wind

Simon Reynolds 24/6/2003 (5th UK Nationals)

- The present setting for GBR 113:
- Shrouds, 5 holes down at the front, 28 tension on Supaspars gauge
- Lowers, 5 holes down at front, 5 tension
- Rake 7280mm to lower transom skin - that's No.8 hole on front chainplate with the mid length forestay for those who have them
- Spreader deflection depth 85mm

Rick Perkins 6/8/2003 (8th UK Nationals)

- 5DF = 5 holes down on the front row on the shroud adjuster

| Shroud | Lowers | Rake (mm) | Prebend (mm) | Shroud Tension | Lower Tension | Spreader Length | Spreader Deflection |
|--------|--------|-----------|--------------|----------------|---------------|-----------------|---------------------|
| 5DF | 5DF | 7280 | -5 | 28 | 5 | 38cm | 11cm |



MUSTO Skiff Class Association
Website: www.mustoskiff.com