



MUSTO Skiff Class Association

Class Tuning Guide

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

2007 | 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



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Website: www.mustoskiff.com