

420 Jib Sheeting Lines and Barber Hauler

The Barber Hauler (windward sheet) is used to increase the depth of the jib and change the width of the slot between jib and main. If you tighten either the jib sheet or the barber hauler you will decrease the twist in the jib (or close the leech if you prefer).

A fuller jib will give you more power but a lower pointing angle (in light winds only) also it will give you too much power in strong winds.

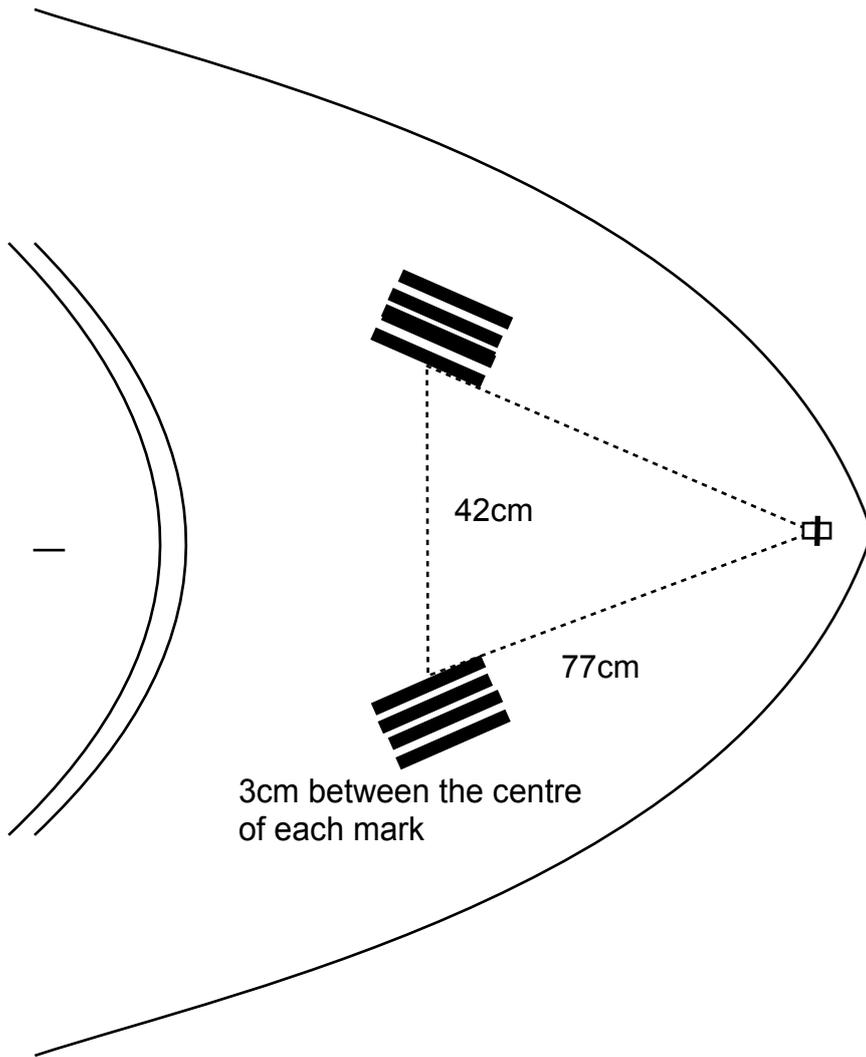


This side shows sheet tension only with no barber hauler. However the barber sheet has been pulled on to take up the slack

This side shows the sheet eased 1cm and the barber pulled on 3cm

In both shots the leech twist is the same but the depth of the foot has increased as the barber sheet pulled.

Jib Sheeting Lines



Sheeting lines are drawn (or taped) onto the foredeck as a guide to help reproduce sheet tension.

A 1cm change in sheet tension will move the foot of the jib up to 10cm in light winds (less in strong winds). Once the correct sheet tension and twist have been set, pre-start, you have a very accurate visual guide to replicate your fast settings.

The lines are also used to show how the camber (depth) of the jib changes with alterations to the sheet and barber tension. (See previous page)

There seems to be a ratio of 3:1 barber to sheet to maintain the same twist profile (leech shape) in the jib, but as you can see from the photos the position on the sheeting lines out about 9cm when 3cm of barber is pulled in.

To add the mark first find the centreline of the foredeck and mark 77cm back from the jib tack pin and 21cm each side of the centre. Using insulating tape Please the innermost piece with its inboard edge against the cross then space the other tapes at 3cm centres.