

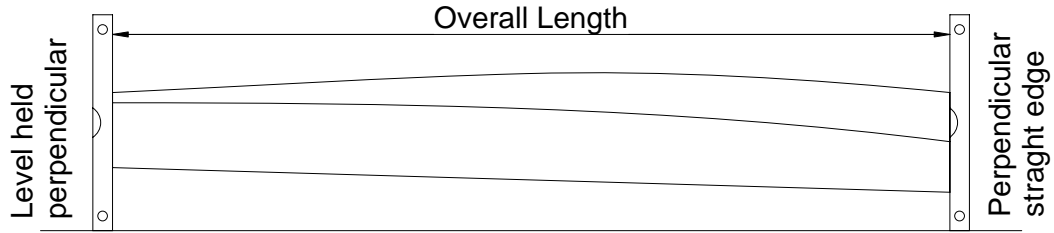
Javelin Class Measurement Guidelines

Part 3: Measurement Guidelines

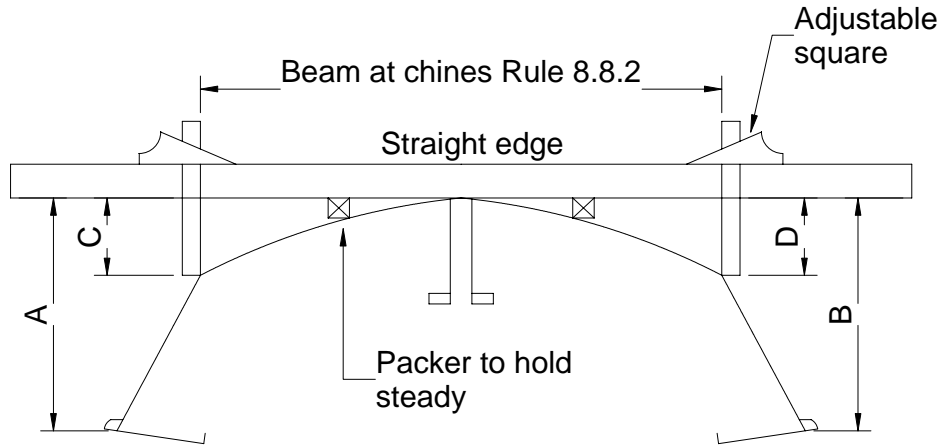
1. Equipment Required:

Measurement Form	Tape measure (8m)
Class Rules	Straight edge (1.8m)
Level	Adjustable square
Rule	Bow template
Sheer template	

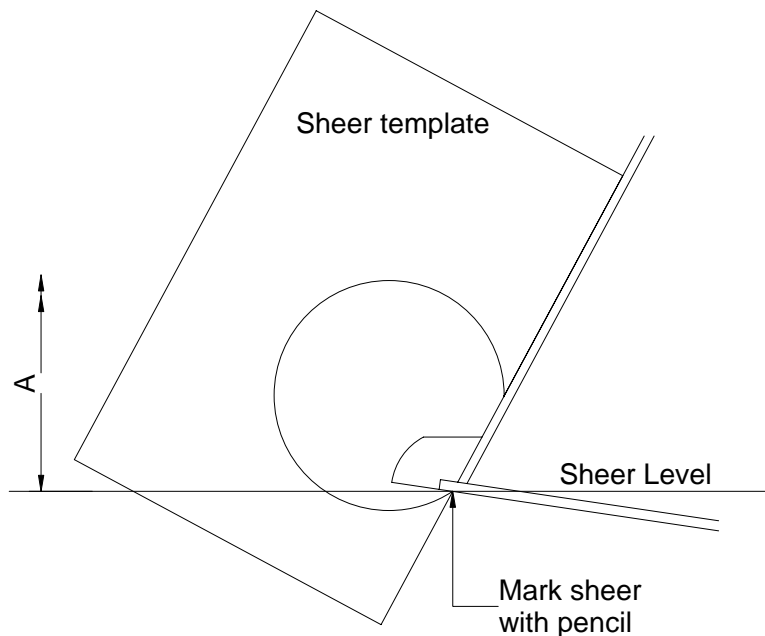
2. Overall Length:



3. Mid-length Measurement:

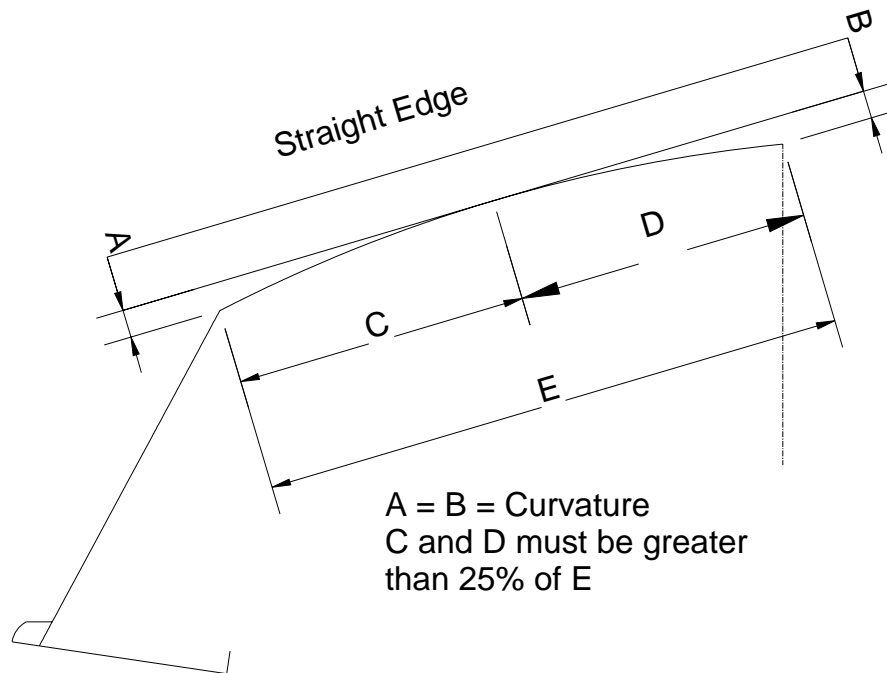


A = B = depth Rule 8.8.1
C = D = depth Rule 8.8.2



Javelin Class Measurement Guidelines

4. Curvature of Sections:



Measure curvature in topsides similarly.

All fair curves eg. Chine line, gunwale assembly and fore & aft centre line shall be checked with a fairing batten, not string.

5. Volume of Buoyancy:

Very difficult to measure with any accuracy. If in any doubt, do a swamped test according to Rule 8.14.2. The designer could also be asked to provide volume calculations.

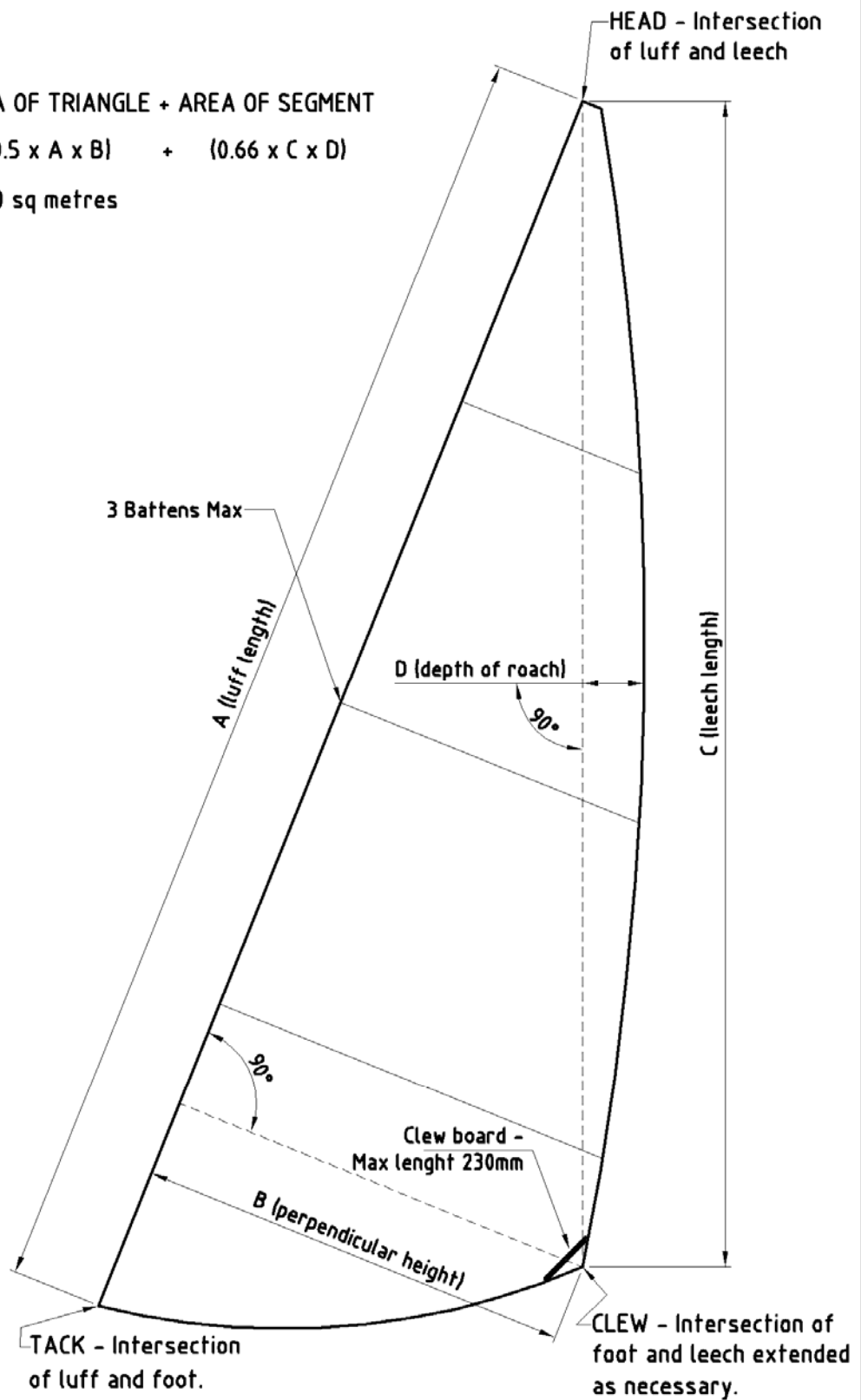
6. Jib: Measure using measurement points, etc, as per the 2 off drawings below.

Javelin Class Measurement Guidelines

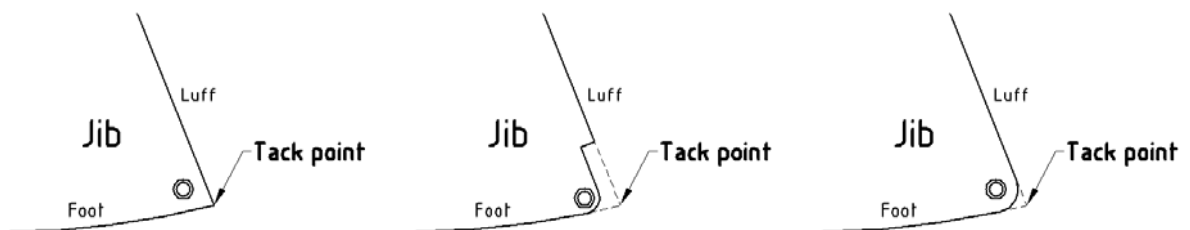
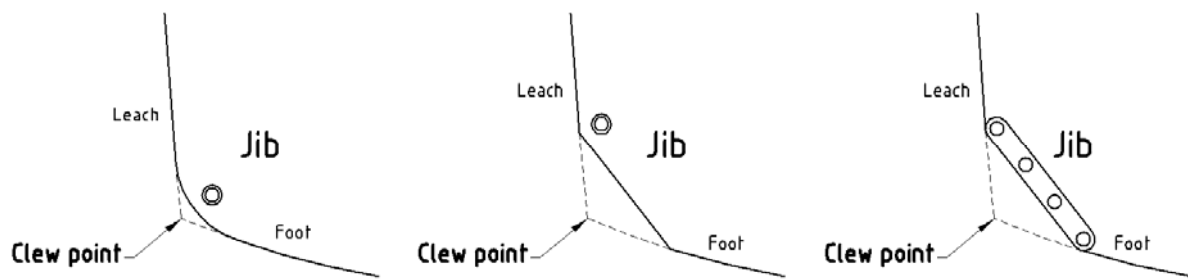
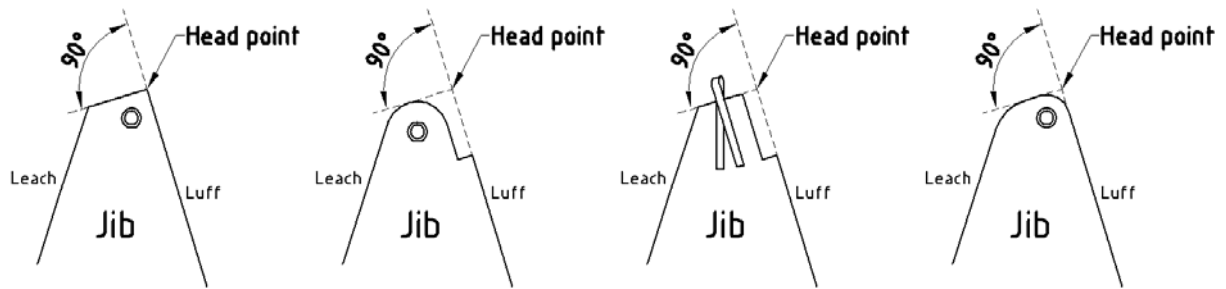
JIB AREA = AREA OF TRIANGLE + AREA OF SEGMENT

JIB AREA = $(0.5 \times A \times B)$ + $(0.66 \times C \times D)$

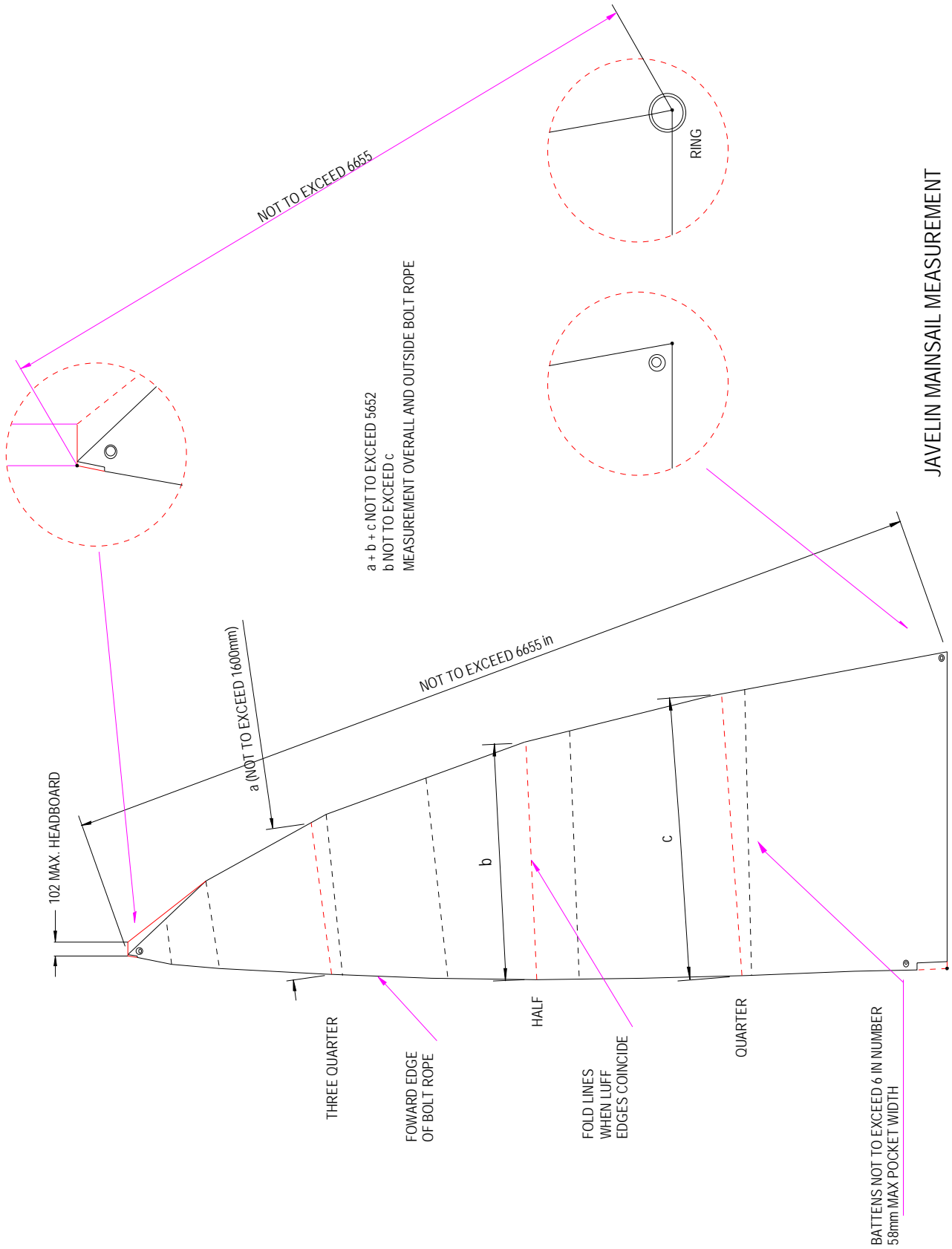
JIB AREA \leq 4.30 sq metres



Javelin Class Measurement Guidelines

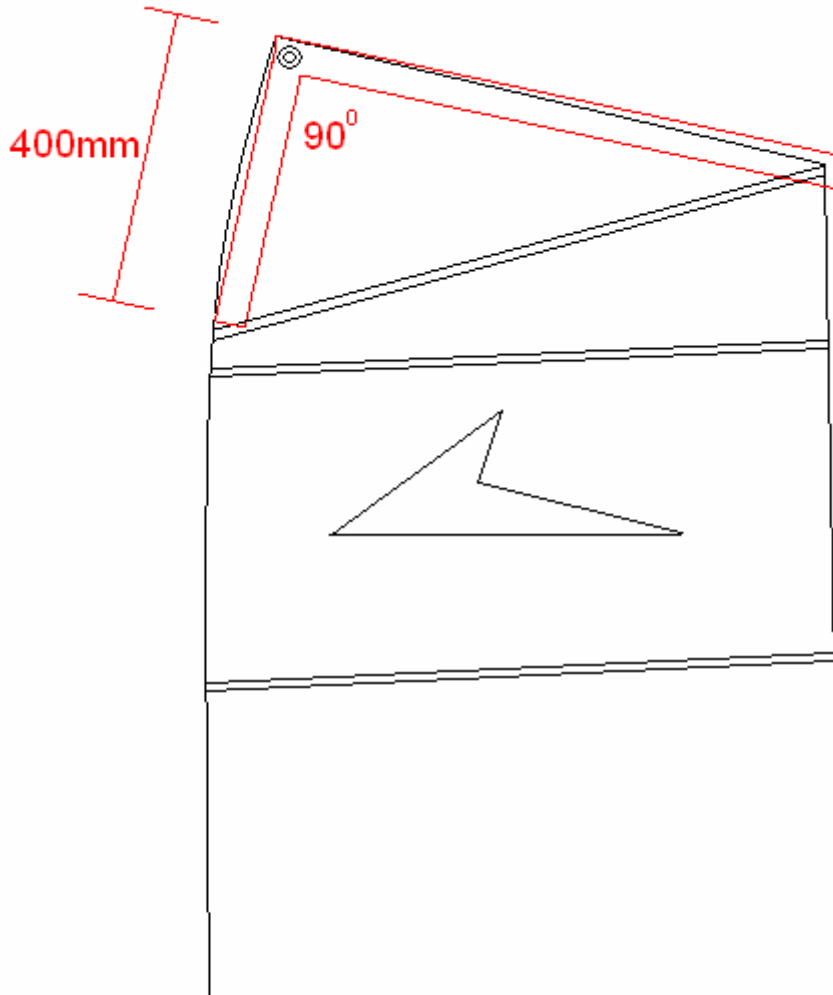


7. Mainsail



JAVELIN MAINSAIL MEASUREMENT
READ IN CONJUNCTION WITH CLASS RULES 11.1 & 11.2

8. Mainsail Head



**JAVELIN MAINSAIL HEAD MEASUREMENT
READ IN CONJUNCTION WITH CLASS RULES 11.2.1**

To assure the mainsail is not set above the perpendicular line produced from the lower edge of the upper measurement band, the sail will be measured while laying flat on the floor. The angle of the head of the sail will be measured by placing a setsquare on the sail touching the luff at the top forward corner of the headboard and, again at 400mm down from the top forward corner of the headboard. Any luff curve across this distance will be disregarded.