



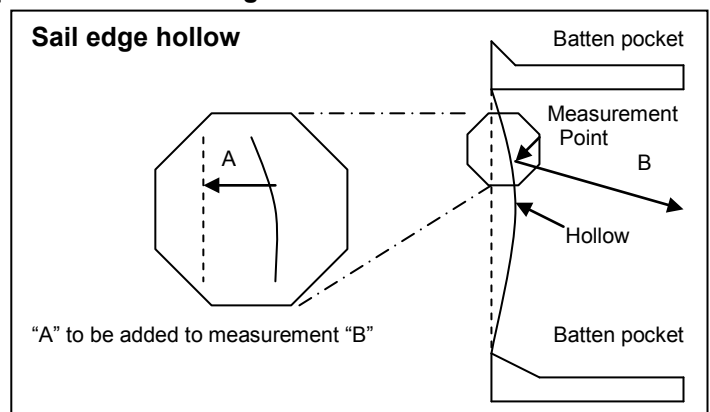
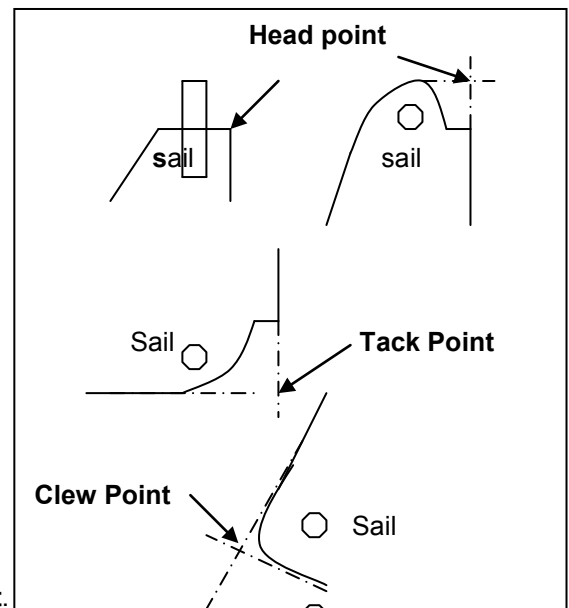
Headsail Measurement

What is being measured? **Luff length, luff perpendicular, half width, three quarter width and seven eighths width. (HLU, HLP, HHW, HTW, HUW)**

What are these? The length of the **luff**, the distance between the **clew point** and the **luff**, and the distances from the **half, three quarter** and **seven eighths leech points** to the **luff**.

In practice:

1. Lay the sail out flat on a suitable floor.
2. Establish **head point, tack point** and **clew point** as shown by the diagram.
3. Straighten the **luff** and pulling firmly measure the **luff length** between the **head point** and the **tack point**. (HLU)
4. Measure the luff perpendicular from the **clew point** to the nearest point on the **luff**. (HLP)
5. Fold the **head point** to the **clew point**. Mark the fold. That is **half leech point**.
6. Fold the **head point** to the **half leech point**. Mark the fold. That is **three quarter leech point**.
7. Fold the **head point** to the **three quarter leech point**. Mark the fold. That is **seven eighths leech point**.
8. Measure from each **leech point** to the nearest point on the **luff**. This will give the **half, three quarter** and **seven eighths widths**.
9. Check for **sail edge hollows**.
10. Add any **hollow (A)** to each measured **width (B)** to get the final **widths**. (HHW, HTW, HUW)



References:

Equipment Rules of Sailing <http://www.sailing.org/documents/equipmentrules/index.php>

G.4.1, G.4.2 and G.4.3 define **Clew Point, Head Point** and **Tack Point**.

G.5.2, G.5.3 and G.5.4 define **Half, Three Quarter** and **Seven Eighths Leech Point**.

G.7.3 defines **Luff Length**.

G.7.5, G.7.6 and G.7.7 define **Half, Three Quarter** and **Seven Eighths Width**.

G.7.12 defines **Luff Perpendicular**.

G.2.4 and H.5.2 address **Sail Leech Hollows**.