

CALIBRATED DOWNHAUL

Your sail is equipped with our **Calibrated Downhaul System**.

The Calibrated Downhaul System takes the guesswork out of finding the correct downhaul. Here's how it works: We rig your sail in the factory on the correct mast with a highly sensitive load cell that measures the downhaul tension. Once at the correct tension, we attach a gauge at the exact position that aligns with the bottom of the mast.

So, all you need to do is downhaul until the bottom of your mast lines up with our calibration gauge. The position of the calibration gauge is unique to each individual sail.

1. **If you have the <u>correct</u> Ezzy mast, please refer to section 1 of this guide.**

2. **If you have a <u>Non</u>-Ezzy mast, please read section 2 of this guide.**

Section 1, Ezzy Masts:

1) When using the correct Ezzy mast, check that the length of your mast falls within the recommended tolerances (chart 1).

	Correct Ezzy Mast	Total Length (including tip plug)
6.0	430	430.3 - 430.7
6.5	430	430.3 - 430.7
7.5	460	460.3 - 460.7
8.5	490	490.3 - 490.7
9.5	490	490.3 - 490.7

Chart 1: correct mast combinations and lengths.

2) We have set the adjustable head cap to its shortest setting. **Do not re-adjust the head webbing.**

3) Rig your sail completely, with the boom on, outhauled and the cams snapped on the mast (see the rigging guide).

4) Downhaul your sail until the appropriate calibration mark lines up with the bottom of the mast (fig. 1). For example, if you are setting for medium wind, you would downhaul until the “Med” line, lines up with the bottom of the mast.

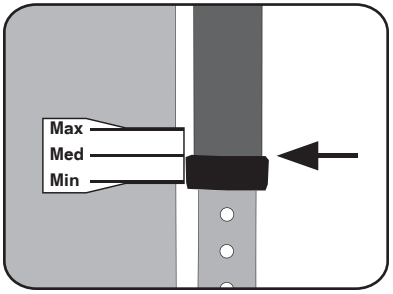


Fig. 1: Downhaul until the calibration mark lines up with the bottom of the mast.

5) Which Calibration Line to Use?

- For extremely strong wind, use the MAX line.
- For normally powered conditions, use the MED line.
- For light wind, use the MIN line.

Section 2, Non-Ezzy Masts:

1) Rig your sail completely, with the boom on, outhauled and the cams snapped on the mast (see the rigging guide).

2) **Release the outhaul completely**

3) Adjust your downhaul until the looseness extends to the four black dots printed between battens #2 and #3. (fig. 2).

Note: to see the looseness, the edge of the leech at the dots must be touching the ground.

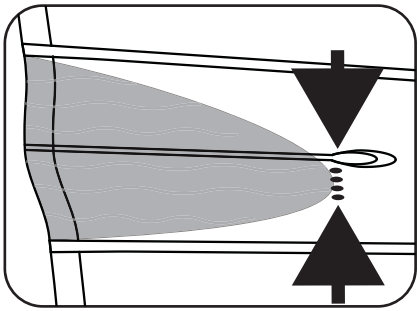


Figure 2: With no outhaul and the leech on the ground, downhaul until the looseness extends to the four black dots.

3) Move the velcro downhaul gauge at the bottom of the sail so that the medium mark of the gauge lines line up with the bottom of your mast (figure 3).

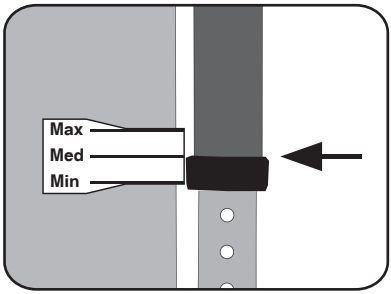


Fig. 3: Move the calibration gauge so the Medium mark lines up with the bottom of the mast.

4) The downhaul gauge is set. From now on, downhaul your sail until the appropriate calibration mark lines up with the bottom of the mast.

Section 3, Q&A:

QUESTION: I am using the correct Ezzy mast combination, but my mast is 3.0mm longer than the lengths listed on your chart, what should I do?

ANSWER: Remove the downhaul gauge from the sail and re-attach it 3.0mm lower than the factory setting.

QUESTION: My Ezzy mast is 3.0mm shorter than the lengths listed on your chart, what should I do?

ANSWER: Move the downhaul gauge up by 3.0mm from the factory setting.

QUESTION: What do I do if I get a new mast?

ANSWER: If your new mast is the correct Ezzy mast, you can use the factory setting for the calibration gauge. If you have moved the gauge, you can find the original factory setting by locating the line that we marked on the sail that indicates the medium setting. Remove the gauge and reattach it so the medium line of the gauge lines up with our drawn line on the sail.

If your new mast is not an Ezzy mast, then follow Section 2 of this guide.

For more information, go to our web site, www.ezzy.com.
Email us at: info@ezzy.com.
Call us at (800) 490-7436, or (541) 352-6070.