



## Tuning Guide for the Ezzy Mast

### 1) Setting the Downhaul When You Have the Correct Ezzy Mast:

a) First, check that the length of your Ezzy mast falls within the recommended lengths (chart 1).

**Note:** If your Ezzy mast combination does not fall within the lengths in Chart 1, then please refer to the Troubleshooting section on the back page of this guide.

b) Finally, downhaul your sail until the calibration mark lines up with the bottom of the mast (figure 1).

	Correct Ezzy Mast	Total Length (including tip plug)
5.5	430	430.3 - 430.7
6.0	430	430.3 - 430.7
6.5	430	430.3 - 430.7
7.0	460	460.3 - 460.7
7.5	460	460.3 - 460.7
8.0	460	460.3 - 460.7
8.5	490	490.3 - 490.7
9.5	490	490.3 - 490.7

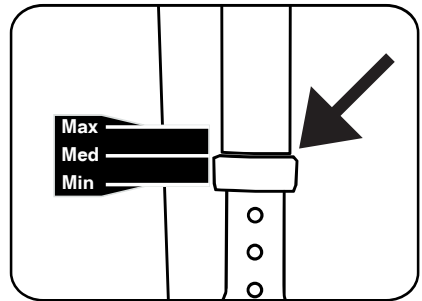
*Chart 1: correct mast combinations and lengths.*

### Which Calibration Line to Use?

- For extremely strong wind, use the "Max" line.
- For mediumly powered conditions, use the "Med" line.
- For light wind, use the "Min" line.

### Additional Information:

- We have set the adjustable head cap to its shortest setting. **Do not re-adjust the head webbing.**
- Do not over-downhaul. Too much downhaul will make the sail unstable.
- If you feel back-hand pressure, apply more outhaul.
- It's best to adjust the downhaul and outhaul together. For example, if you increase the downhaul for strong wind, you should also increase the outhaul. And, for light wind, to get maximum power, reduce the outhaul as well as the downhaul.



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

## 2) Setting the Downhaul if You Don't Have the Correct Ezzy Mast:

- a) First, make sure you have **NO** outhaul.
- b) Then, downhaul until the looseness on the leech extends to the four dots printed on the leech (figure 2).

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

### c) This is the medium wind setting.

- d) Next, move the downhaul gauge at the bottom of the sail so that the medium mark of the gauge lines up with the bottom of your mast (figure 3).

e) The downhaul gauge is now positioned correctly. From now on, to set your downhaul, just downhaul until the the gauge lines up with the bottom of your mast.

**Note:** When observing the looseness at the dots for this exercise, the sail must have no outhaul. When you apply outhaul the leech tightens.

### Additional Information:

- Do not over-downhaul. Too much downhaul will make the sail unstable.

-If you feel back-hand pressure, apply more outhaul.

- If you change to a different mast, you will need to repeat steps a) through e).

## 3) Tension the Tack Strap

After downhauling, thread the tack strap through the buckle and pull the strap until the foot gets tension. You will see a small wrinkle running out from the corner of the sail. Then, wrap the end of the tack strap around your mast extension and loop the end of the tack strap under itself and secure the strap with the velcro. Store your downhaul line in the mesh pocket located inside the pad (fig. 4).

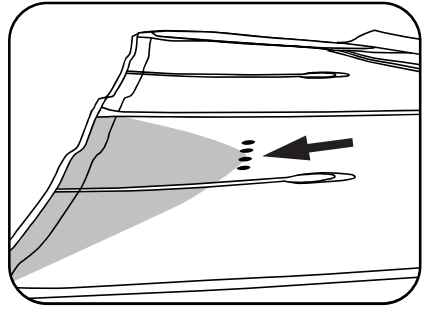


Figure 2: With the leech lying on the ground, downhaul until the looseness extends to the four dots.

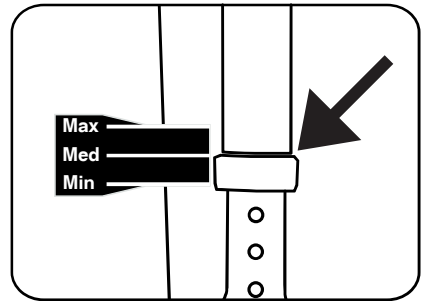


Figure 3: Move the calibration gauge so the medium mark lines up with the bottom of the mast.

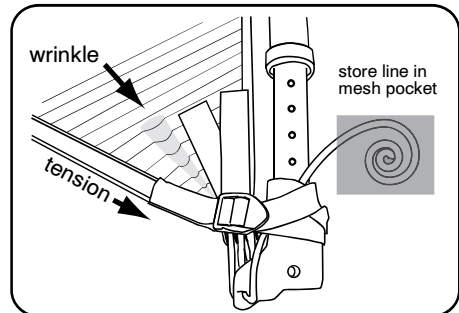
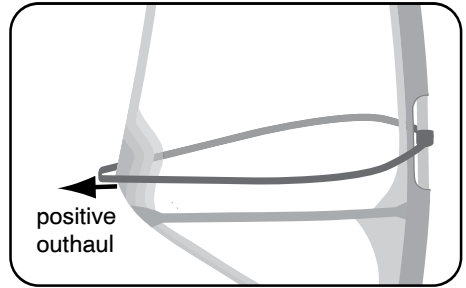


Fig. 4: Tension tack strap and store downhaul line in mesh pocket.

#### 4) Setting the Outhaul:

The Cheetah requires more positive outhaul than most sails (fig. 5).

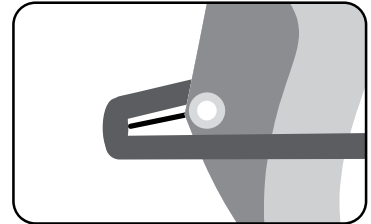
The three cords sewn at the clew indicate how much positive outhaul is needed for varying wind conditions. The longest cord shows the maximum outhaul for strong wind; the shortest cord indicates the minimum outhaul for light wind and the middle cord shows a medium outhaul setting.



*Fig. 5: Positive outhaul*

#### Follow these steps to set the outhaul:

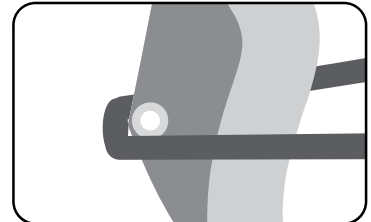
- a) First, correctly set the downhaul.
- b) Next, release all outhaul tension.
- c) Then, gently pull on the outhaul cord and set your boom to the end of the cord (fig. 6).
- d) Finally, outhaul your sail to the end of the boom (fig. 7).



*Fig. 6: Set the boom length to the outhaul cord*

#### Additional Information:

- When setting your boom to the cord, don't pull the clew.
- We suggest starting with the medium length cord. If you feel over-powered (back-hand pressure), increase the outhaul about 1 to 2 cm. If you feel under-powered, reduce the outhaul by about 1 to 2 cm.

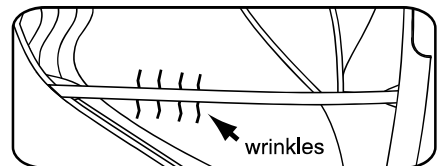


*Fig. 7: Outhaul sail to the end of the boom*

#### 5) Tensioning the battens:

Use the tensioner key that is stored in the pad of the sail and tension the battens until you eliminate any vertical wrinkles that extend out from either side of the batten pocket (figure 8).

**Note:** Your battens have already been tuned by us in the factory and most likely will not need further tuning. Be careful not to over-tension your battens.



*Figure 8: Tension the battens until there are no vertical wrinkles on either side of the batten pocket.*

## 6) Sail Care:

- To avoid mold and mildew, DO NOT rinse your sail with fresh water. After sailing on freshwater, dry your sail thoroughly before storing it.
- Creasing damages the sail cloth. Avoid creasing your sail when rigging and de-rigging.
- Sunlight kills all sail cloth. Keep your sail out of the sun when not sailing.
- Don't rig on sharp objects.
- After rolling the sail, tuck the pad so it rests along the sail, wrap the tack strap around the pad and the sail, then attach the velcro (fig. 9).
- Insert your sail sleeve-end first into the sail bag (fig. 10).
- Never store your sail upright resting on the clew.

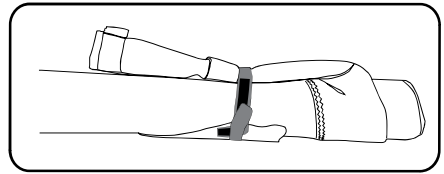


Fig. 9: After rolling, tuck the pad, then wrap with the tack strap and secure the velcro.

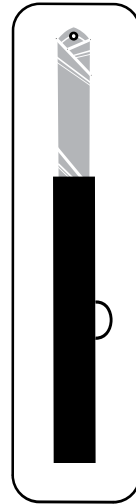


Fig. 10: Sleeve end first into bag.

## 7) Troubleshooting:

> 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?

a) Remove the downhaul gauge from the sail and re-attach it **3.0mm lower**.

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

a) Move the downhaul gauge **up** by 3.0mm.

> My sail has too much back-hand pressure.

- a) Apply more outhaul.
- b) Reduce downhaul.

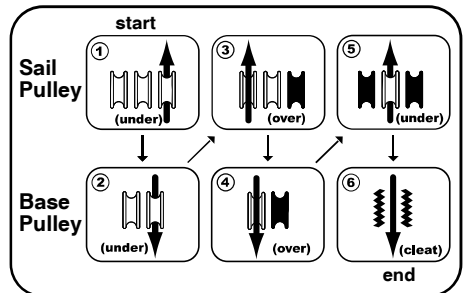


Fig. 11: Threading the tack pulley for a Chinook-style extension.

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