



2007 RIGGING

Note:

Before rigging your Infinity for the first time, you must adjust the cams to fit your mast. Please refer to the guide titled "**Custom Fit Your Cams To Your Mast**".

Rigging:

- 1) Lay your sail on the ground and insert your mast into the mast sleeve, threading the mast ABOVE the cams.
- 2) Once the mast has reached the top of the sail, walk up to check that the mast tip is properly seated in the head cap. Also check to make sure that the adjustable head is set to its shortest setting.
- 3) Attach your downhaul line, but **DO NOT TENSION IT YET**.
- 4) Outhaul to the sail's boom length (printed at the tack). Note: There are two clew grommet positions, we suggest using the lower grommet.
- 5) Open the velcro slots at the cam and pop the cams onto the mast. Do this by pushing down on the batten, while lifting the cam onto the mast (see diagram 1). If you have difficulty getting the cams on to the mast, make sure you have no downhaul tension and also that you have your sail outhauled flat.
- 6) Downhaul your sail until the leech goes loose between battens #2 and #3. Use the elliptical design that is printed between battens #2 and #3 as your downhaul indicator (see diagram 2). You **ALWAYS** want a loose head, even in light wind sailing. In stronger wind, you want to downhaul more to extend the looseness towards the luff, thereby increasing the upper leech twist.

The amount of downhaul tension will vary for different wind conditions: A high-wind setting requires more downhaul tension to loosen the upper leech and give more twist. In lighter wind, the sail needs a tighter leech and therefore less downhaul tension.

- 7) Re-adjust your outhaul: first, make sure the sail is correctly downhauled to the printed indicator between battens #2 and #3, then release ALL outhaul tension while making sure the battens and cams are all flipped the same way and the cams are fully rotated. This is your starting point at zero outhaul. Next, pull the guide cord out and adjust your boom length to the end of the guide cord. Finally, outhaul the sail to the end of the boom (see diagram 3). This will be an average outhaul setting. For lighter wind, outhaul less and for stronger wind, outhaul more.

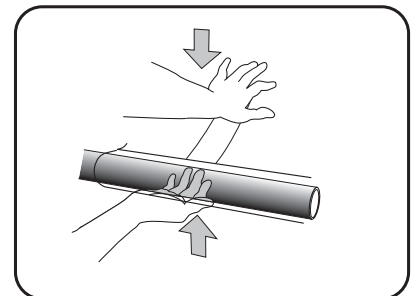
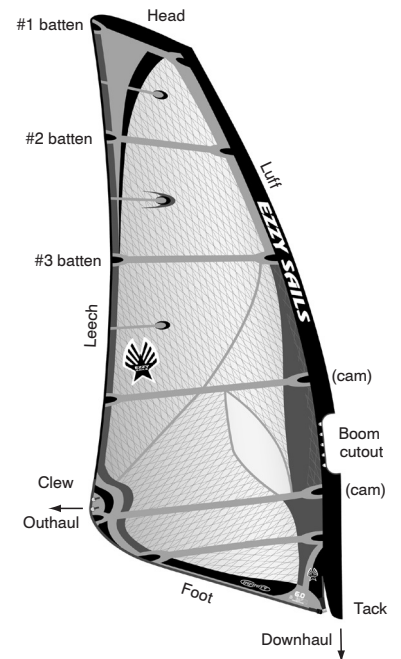
The Infinity can be used with neutral outhaul tension (light wind) and up to 5.0 cm of positive outhaul tension (strong wind).

- 8) Check the batten tension: when correctly tensioned, there should be no wrinkles running across the batten pockets. If the battens need adjusting, use the screwdriver key that is stored at the tack of your sail and tighten the battens until the wrinkles through the batten pocket disappear (see diagram 4). **WARNING: OVER-TENSIONING THE BATTENS COULD DAMAGE THE SAIL.**

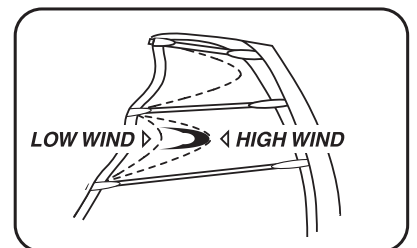
Note: You only need to check your batten tension the first or second time rigging.

- 9) Wrap the tack-strap webbing around the bottom of the mast base. The tack-strap should be tensioned at least until the edge of the foot is tight. A high amount of tack-strap tension is desirable in all wind conditions. In stronger wind, the tack strap tension puts the center-of-effort lower, giving the sail more control; in light wind, tensioning the tack-strap makes the foot deeper and tightens the lower leech creating better low-end power.

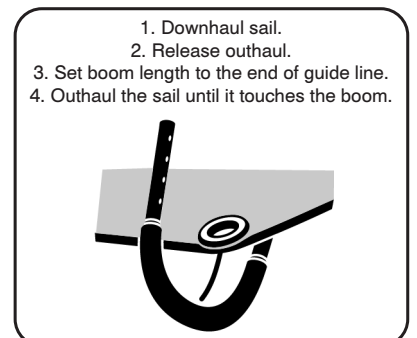
- 10) Close the velcro openings at the cams.



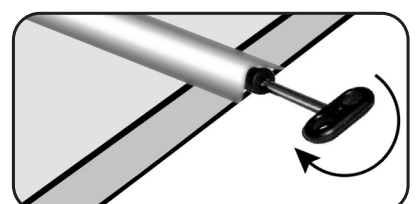
popping cams onto mast
diagram 1



downhaul indicator
diagram 2



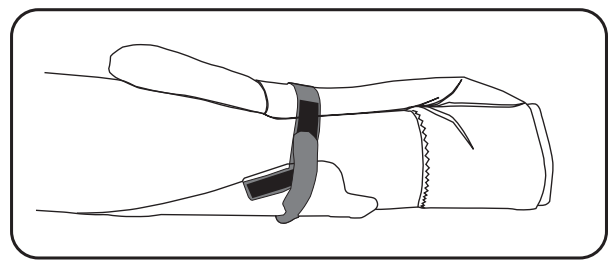
outhaul indicator
diagram 3



don't over-tension battens
diagram 4

De-rigging:

- 1) Outhaul sail flat.
- 2) Un-thread the tack strap and unfasten the mast pad velcro.
- 3) Release downhaul completely.
- 4) Open the velcro openings at the cams and allow the sleeve to slide up the mast.
- 5) Wiggle the cams back and forth to loosen them on the mast, then pop the cams off the mast.
- 6) Spin the mast while slowly pulling it out.
- 7) Roll the sail beginning from the head. After rolling, tuck the mast pad along the sail, then wrap the tack strap around the pad and sail, then fasten the velcro (see diagram 5).
- 8) Insert the sail into the sail bag with the **SLEEVE-END** first (diagram 6).



wrap the tack strap around pad and sail

diagram 5

Using Your Infinity Without the Cams:

You can use your Infinity with both cams, with a single cam or with no cams. To remove the cam, the sail should be unrigged. Open the velcro slots and remove the cam and the cam pocket. Close the slots and you are ready to go.

Sail Care:

- 1) Sunlight will break down all sailcloth in a relatively short time (300 hours of direct sunlight). Don't dry off your sails in the sun!
- 2) Creasing damages sail cloth. When rigging and de-rigging, try not to crease your sail or let it flap in the wind.
- 3) Sand will scratch the sailcloth and can clog the batten tensioners. Try to roll your sail sand-free.
- 4) Cleaning: Use a mild soap and water with a rag to clean your sail. Harsh solvents may damage the sail cloth. Contrary to what most people think, you do not need to fresh-water rinse your sail.
- 5) Storage: It will not damage your sail to store it with the battens fully tensioned. If storing your rolled sail vertically, make sure the sleeve-end is supporting the weight. This prevents the clew from getting damaged.

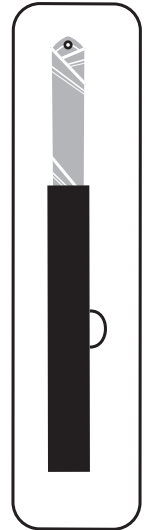


diagram 6

To avoid damaging your sail, insert the sleeve-end first into the bag.

Problem Solving:

It is difficult to pop the cams onto the mast when rigging.

- 1) Cam pocket may be too short or you may have the wrong cam inserted.
Refer to guide titled "Custom Fitting Your Ezzy Cams To Your Mast", or
- 2) Make sure you have no downhaul tension, or
- 3) Make sure you have your sail outhauled flat.

I can't close the velcro openings on the mast sleeve.

Your Cam Pocket is too short.

The sleeve is loose around the cam.

Your Cam Pocket is too long.

My sail feels too powerful.

- 1) Sail is too deep: try more downhaul and outhaul, or
- 2) Mast is too stiff: check that you are using the correct mast.

My sail lacks power.

- 1) Sail is too flat: try less downhaul and less outhaul, or
- 2) Mast is too soft: check that you are using the correct mast.

My sail pulls too much on my back arm.

- 1) Need less downhaul, or
- 2) Need more outhaul, or
- 3) Harness lines need to move back, or
- 4) Move your universal further forward on your board.

My sail pulls too much on my front arm.

- 1) Need more downhaul, or
- 2) Need less outhaul, or
- 3) Harness lines need to move forward, or
- 4) Move your universal further back on your board.

How can I "soften" my cam rotation?

The fuller your sail is set, the "harder" the cam rotation will be. Applying more downhaul and outhaul will give a softer cam rotation.

	430	460	490	520
5.5	x			
6.0	x			
6.5		x		
7.0		x		
7.5			x	
8.5				x
9.5				x

x = great combination
 = good combination

diagram 7

Suggested Masts