

**Helpful hints:**

**Make sure you have a big enough sail for the conditions !**

**If sail feels underpowered-1. Too much outhaul, ease outhaul out 1/2" to 1". 2. Mast is too long or too stiff. 3. Sail is too small.**

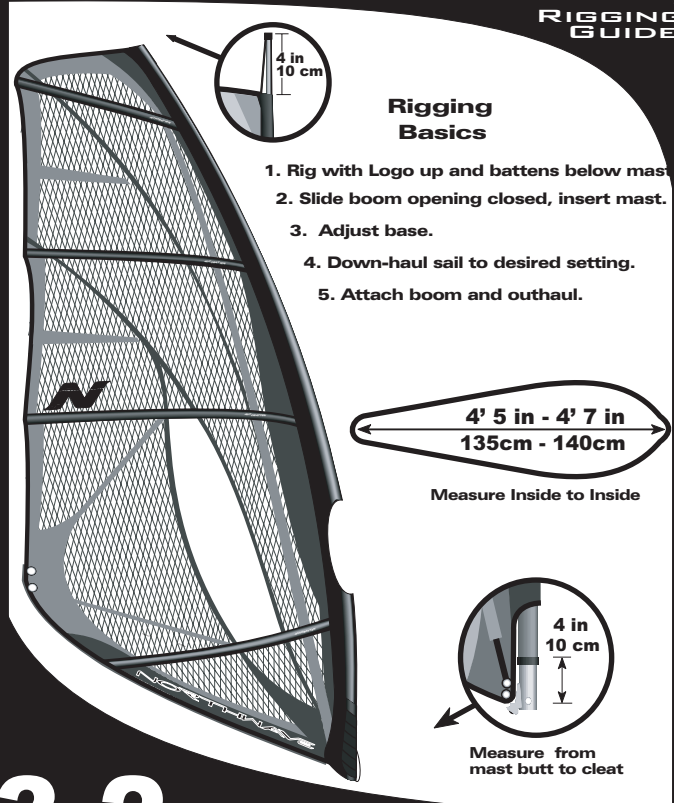
**If sail feels twitch-1. Too much outhaul, decrease outhaul 1/2" to 1".**

**Vertical Wrinkles on Batten Sleeves- 1. Tighten Autobatten 1/2" then sail 1 hour for tension to distribute. Repeat until wrinkles are gone. Do not overtension and create "s" curve in bottom batten.**

**If sail overpowers easily- 1. Too little downhaul, ease off outhaul 1/2". 2. Not enough outhaul, increase outhaul 1/2". 3. Sail is too big for conditions.**

**If sail feels heavy and dead- 1. Not enough outhaul, increase outhaul by 1/2" to 1". 2. Try shorter lighter mast.**

**Contact Northwave USA at 541-386-6156 and speak to a real person for any assistance. We want you ripping out there!!!!**



**Rigging Basics**

1. Rig with Logo up and battens below mast
2. Slide boom opening closed, insert mast.
3. Adjust base.
4. Down-haul sail to desired setting.
5. Attach boom and outhaul.

4' 5 in - 4' 7 in  
135cm - 140cm  
Measure Inside to Inside

4 in 10 cm  
Measure from mast butt to cleat

**3.2**

**Optimum Mast 340/22**

**Need more information about any of our products? Visit [northwavesails.com](http://northwavesails.com)**



**Welcome to Northwave Custom Sails from USA**  
Based in the Columbia River Gorge, Northwave is located at the corner of Wasco and 13th street in Hood River, Oregon. Owner - operated since 1982 Northwave continues to set the standard for custom made sails in the windsurfing industry. Tested and proven worldwide, Northwave sails incorporate the best materials with the latest technology to give you a durable, high-performance product at an exceptional value. Each sail is hand-crafted in our Hood River loft giving you the widest range of material and color options available. Our sails are truly custom - so go ahead and express yourself!

**Any Questions?**  
Give us a call, we use everything that we sell.

**Any Repairs?**  
Northwave is a full service loft capable of repairing, designing, and manufacturing everything that we sell and since there is no "middle-man", you deal directly with us.

**Anything Else?**  
Oh Yeah! FUN - because that's what it's all about - we love what we do!

Simply put, these are the easiest rigging, most powerful, smoothest, well-balanced sails on the planet. Try them for yourself with our FREE demo program - we're sure you'll agree - Northwave sails Rock! Now available in five different models to match your sailing style. Surf our site or call us directly for seasonal specials. We're either here to help or we're sailing ourselves.

