

Thank you for choosing *DIEBALL SAILING* as your *JET 14* sailmaker. Much time has been spent in developing a durable sail program that is capable of making a wide range of gear changes easily. This will allow you to be fast in a wide variety of conditions. The following is a guide to use in sail set-up, boat set-up and preparation. Use these ideas and numbers in developing your program.

You will find many more helpful documents at [www.dieballsailing.com](http://www.dieballsailing.com) Also lots of blog & twitter conversations...Good stuff for your sailing lifestyle! If you have any questions please email SKIP DIEBALL at [skip@dieballsailing.com](mailto:skip@dieballsailing.com) or call 419-729-4777. We want to help you sail *fast, smart* and have *fun!*

## **1 PAGE QUICK TUNING GUIDE:**

**-MAST STEP:** Set the butt 19 1/4" from stem (measured from C/L of the CB Bolt) to middle of mast. Set it further forward if this produces too much pre-bend (>1").

**-SPREADER LENGTH:** 17 1/8" – 17 1/4"

**-MAST RAKE:** 20'5" as measured from full hoist @ black band to centerline of transom with rig under tension.

**-RIG TENSION:** 180 lbs. Increase up to 250+ in heavy air. Maintaining 1" of prebend.

**-JIB CLOTH TENSION:** Tension the jib Cunningham until luff is completely smooth and then ease it gradually until the sailcloth immediately aft of the luff tape just begins to soften. *{If you see noticeable wrinkles you have gone too far.}*

**-JIB LEAD POSITION:** 30-34" apart laterally. 83" aft of the tack fitting.

**-VANG:** Off under 10 kts. Aggressively played in 10-15. Extremely tight in 15+.

**-MAIN CUNNINGHAM:** No tension in fewer than 12 knots. Progressively more as wind builds. Max tension when overpowered to open Main leach.

**- OUTHAUL:** On firm in most conditions. Ease when waves are bigger than wind. I.e. The "leftover & sloppy" condition.

**-CENTERBOARD ANGLE:** All the way down up to 15 knots. Pull it up slightly as needed to balance helm 15+.

**-CREW WEIGHT:** Skipper and crew 275-325lbs. 300 is real sweet.

## Waves – Wind – Settings – by SKIP DIEBALL, DIEBALL SAILING FLAT WATER (No Waves)

<i>Control</i>	<i>Wind 0-5</i>	<i>Wind 5-10</i>	<i>Wind 10-15</i>	<i>Wind 15+</i>
Main Sheet	Very Loose (Cat-like)	Snug to tension	In/Out Puffs/Lulls	Aggressively played
Outhaul	Tight	Tight	Tight	Extremely Tight
Cunningham	Off	Off	Slight tension	On to open Main leech
Boom Vang	Off	Off	Aggressively played	Extremely Tight
Traveler Position	Centered	Centered	Centered	Eased for Control/Feel
Jib Sheet	Eased (Open Leech)	Normal Trim	Slight ease in Puffs	Twisted
Wire Tension	180lbs.	180lbs.	200lbs	250lbs
Cloth Tension	Eased	Slight wrinkles @ luff	Medium	Tight
Lead Position	Centered to aft 1 hole	Centered	Centered	Centered to aft 2 holes

## MEDIUM CHOP (Larger Inland Lakes)

<i>Control</i>	<i>Wind 0-5</i>	<i>Wind 5-10</i>	<i>Wind 10-15</i>	<i>Wind 15+</i>
Main Sheet	In/Out for Power	In/Out for Power/Balance	Out for Power/Balance	Out for Balance
Outhaul	Tight	Slight ease for power	Tight	Extremely Tight
Cunningham	Off	Off	Off	On to open Main leech
Boom Vang	Off	Off	Aggressively played	Extremely Tight
Traveler Position	Centered	Centered	Centered	Centered
Jib Sheet	Eased (Open Leech)	Slightly eased	Slightly eased	Twisted
Wire Tension	180lbs.	180lbs.	180lbs	200-220lbs
Cloth Tension	Eased	Slight wrinkles @ luff	No wrinkles	Tight
Lead Position	Centered to aft 1 hole	Centered	Centered to forward 1	Centered to aft 1 hole
Centerboard	Full Down	Full Down	Full Down	Up to balance helm < 3"

## HEAVY CHOP (Lake Erie)

<i>Control</i>	<i>Wind 0-5</i>	<i>Wind 5-10</i>	<i>Wind 10-15</i>	<i>Wind 15+</i>
Main Sheet	Very Loose	Aggressively played	In/Out Puffs/Lulls	Aggressively played
Outhaul	Eased a little	Eased a little	Tight	Extremely Tight
Cunningham	Off	Off	Slight tension	On to open Main leech
Boom Vang	Off	Aggressively played	Aggressively played	Extremely Tight
Traveler Position	Centered	Centered	Centered	Centered
Jib Sheet	Eased (Open Leech)	Aggressively Played	Mid-Batten straight	Twisted slightly
Wire Tension	180lbs	180lbs	180lbs	200-220lbs
Cloth Tension	Eased	Slight wrinkles @ luff	No wrinkles	Tight
Lead Position	Centered	Centered	Centered	Centered to aft 2 holes
Centerboard	Full Down	Full Down	Full Down	Up to balance helm < 3"