North Sails Beneteau 36.7 Tuning Matrix For Boats with Roller Furling

or Non-adjustable Headstays

start point

Wind Speed in knots true	4-8		# of turns	8-12		# of turns	12-16		# of turns	16-22		# of turns	22+	
	Starboard	Port		Starboard	Port		Starboard	Port		Starboard	Port		Starboard	Port
Uppers "V" (turnbuckle gap, mm)			2.5			3			3			3		
Lowers "D1" (turnbuckle gap mm)			2.5			3			3			3		
Uppers (Loos RT-11 Rod Gauge)	31	31	2.5	34	34	3	37	37	3	42	42	3	46	46
Lowers (Loos RT-11 Rod Gauge)	*loose*	*loose*	2.5	*loose*	*loose*	3	1	1	3	10	10	3	20	20
Surface Conditions	*Move up one setting if the bow is being pushed around by wave action*													
Head Stay (Fixed thoughout range)														
Pin to Pin, meters										14.473				
hoisted tape measure center halyard										14.397				
**arc, meters										2.116				
Intermediates "D2"	*With "start" tension on Vs and D1s, tighten D2s hand tight plus 3 turns. Then fine tune under sail to achieve desired side bend. (See **side bend** below) Once D2's are set they should not need to be adjusted again.*													
Mast Butt	26 cm from bulkhead to front of mast = 1 hole aft of max fwd.													
J	3.98 m. this is a fixed dimension with the collar, but should be checked.													
***Pre Bend** at dock with no backstay				10mm			25mm			20			5	
****Side Bend** mid mast relative to top	40mm sag to leeward			20mm sag to leeward			straight			straight			5 mm windward.	
Head Sails	AP-08 & 2S			AP-08 & 2S			AP-08 & 2S			transitioning to B-08 and 4S			B-08 & 4S	
Vang upwind setting	loose			loose			remove slack			tight			very tight	

* = Starboard / Port

* Colored data boxes are specific to your boat. Begin with the "start point" Loose gauge tensions. Then turn the turnbuckle the number of turns suggested to arrive at each wind speed setting. In the spaces provided record the gaps with a metric ruler or calipers between the threaded studs inside the turnbuckles at each wind speed setting. Recorded gap distances will help you to quickly recalibrate if you loose track or if someone accidentally turns a turnbuckle the wrong way.

** Arc measurement - pull Genoa halyard to the top of the black band @ the gooseneck. Swing the halyard out to the headstay and make a mark. Measure down from the mark to the deck at the headstay intersection.

*** Pre-bend is the fore and aft bend without the backstay tensioned. Main halyard can be pulled tight to gooseneck to visually estimate bend offsets.

**** Mast Side Bend should be a smooth consistent curve, or dead straight. D2's can be adjusted to achieve consistency. Side bend can only be calibrated with both main and headsail up, while sailing upwind with crew in appropriate position, and with all other sail controls set optimally, including backstay. Side bend is best viewed from below the boom near the gooseneck. Use the flat windward surface of the boom as a straight edge to help judge mast side bend.

To convert Feet to Meters multiply Feet by 0.3048 To convert Meters to Feet multiply by 3.2808