NORTH SAILS

Instruction for How to use the new black flex plastic rope

From 2010, for all the main sails we use a new black colored flex rope for the bolt rope(luff rope)
Since the existing bolt rope continues to change in length by shrink as time goes on, affected by temperature, humidity.
You need to pay attention and take care to adjust its tension.
As the new rope is not a fiber rope, there is no shrink. Due to its great flexible property, the cunningham works efficiently to make the sail shape control easier.
Please read this instruction carefully to use this new rope to set up the main sail properly for the best shape and performance.

The bolt rope is fixed into the luff tape of the mainsail with some pre-tension applied during manufacture. As the bolt rope is pretty elastic, you need to have some Cunningham tension all the time to keep the main tack position where you will have the correct amount of wrinkles along the luff. The amount of the wrinkles make a significant difference in sail shape. You need to control the Cunningham tension according to the examples showed by the photos below.

In over 11-12knots of wind,you can use cunningham in the regular way.No difference...

Initial set-up of the tack corner
Take the main sail up to the upper color band (Photo 1) ,then the tack corner is set very high above the lower color band.

Photo 1

Cunningham On

After cunningham on, it brings crease at the area between cunningham eylet and tack corner,so you need to tack down to make this area flat.(The area between Cunningham eyelet and the tack is not flattened like this, you can not measure the proper height of the tack corner, thus you can not find the proper position.)
So you need to put the tack down.

Tack Down

Proper set-up
Tack corner is set at 2-3cm distance from upper side of the color band. (You need to keep 2cm offset from the back face of the mast.)
At this time, you should put the tack rope down so that the area between the Cunningham eyelet and tack is smoothly flattened.

2cm

2-3cm