



INSTALLATION MANUAL
SPECIAL HEADSAIL FURLER FOR
BAVARIA YACHTS - "MATCH" MODEL

HEADSAIL FURLER

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Thank you for trusting in Facnor furling systems. Before starting the installation, please read this manual carefully to familiarize yourself with the components, installation and the operation of your system.

Have good sailing with your Facnor reefing system!



1- LIST OF PARTS

Parcel No. 1: « SECTION »

- ① top section
- ② 2-meter section
- ③ connector
- ④ telescopic section

Parcel No. 2 : « SPARES »

- ⑤ furling drum
- halyard swivel
- ⑥ bearings (black)
- screws
- ⑦ top cap
- ⑧ halyard deflector wheel
- ⑨ sail-feeder
- shackle with allen key
- ⑩ turnbuckle kit with fixation pin
- Sail pre-feeder
- protecting half-ring

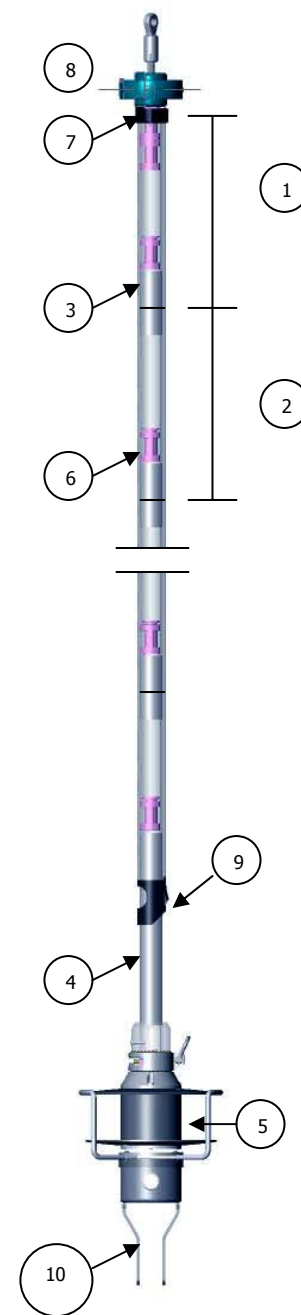
(Tools required : one manual or electric screw-driver (Pozi-drive n°2) and one hammer)

CAUTION :

It is advised to mount the furler with headstay lying on the ground. Please do not forget to protect the sections, a rough ground could scratch the foil sections and the other parts.

The foil sections have been cut to especially fit « Match » BAVARIA boats. Therefore, there is no need to cut any foil section when installing.

2- OVERVIEW



3- ASSEMBLING SECTIONS

Foil sections are cut in our factory. Only the top section is smaller than the 2-meter standard sections. Therefore, please find enclosed :

- * one top section fitted with bearing stopper
- * 2-meter standard intermediate sections
- * one telescopic section, inner foil slided inside a standard section.

All sections are mounted from the top of the forestay.

A- Dismantling the top forestay terminal

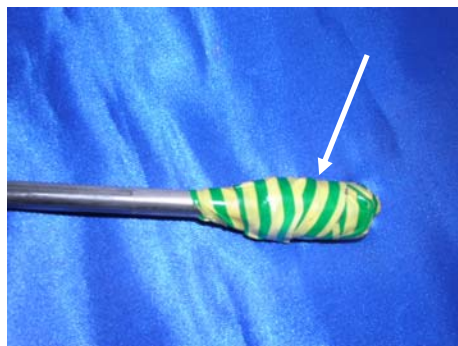
In order to put the forestay into the foil sections, the top terminal needs to be dismantled.

First remove the blocking screw with the allen key provided. Then , unscrew the eye-end.



B- Protecting the top forestay terminal

Before starting the assembly, please protect the threaded part of the top forestay terminal with PVC tape (see picture). Please give a conic shape in order to put the forestay more easily into the section.



C- Assembling the intermediate sections

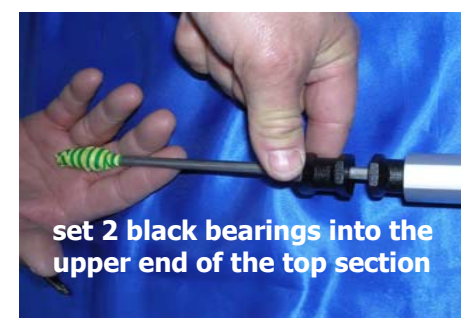
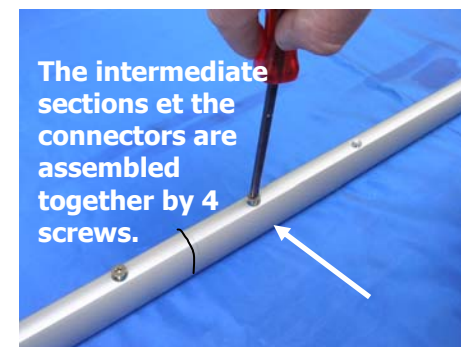
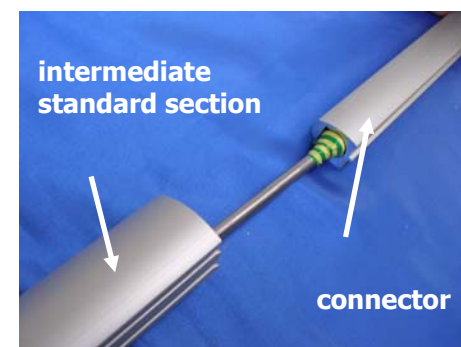
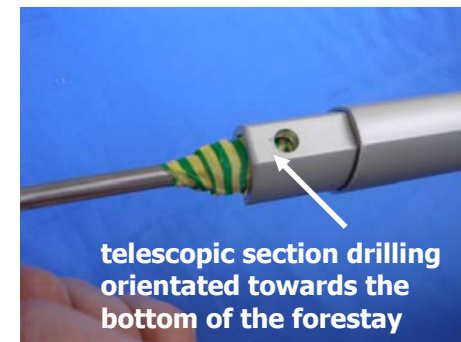
Please start by putting the telescopic section by the top end of the forestay. Check that the hole (the biggest one) is orientated towards the bottom of the forestay. Please position **one black bearing** on the rod between the top of the telescopic section and the first standard section. Then, put the telescopic section inside the standard section so that the telescopic section pushes the bearing further inside the standard section.

Next, put a connector and screw it onto the standard section already in place. Do not screw it completely. Put on the next standard section. Set **one black bearing** onto the rod inside the end of the standard section. Then, slide further the standard section so that the bearing is pushed by the connector. Screw the standard section onto the connector. Then, secure the 4 screws.

Repeat the assembly operation until the top section. **VERY IMPORTANT :** make sure that there is **one black bearing above each connector**.

D- Installing the top section

Once the top section is screwed on the last standard section, put **2 black bearings** around the forestay inside the top end of the top section. The bearings will be blocked by the stopper already set.



4- FURLER TOP PARTS

A- Fitting the top cap

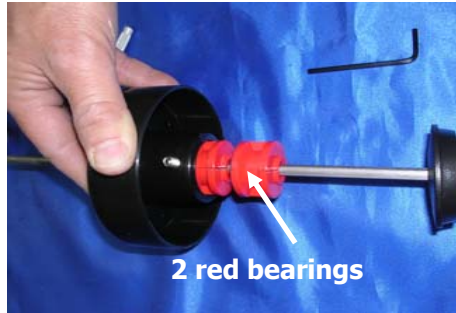
Please hammer the pin into the top cap and into one of the top section groove.



B- Setting the halyard deflector wheel

Slide the top forestay terminal through the halyard deflector wheel.

Set **the red bearings** so that the flat part of the bearing is opposite the fixation screw.



Secure the lower red bearing.



C- Installing the halyard swivel

Put on the halyard swivel from the bottom of the forestay and slide it up around the standard sections. Make sure that the swivel is put on the right way.



5- FURLER BOTTOM PARTS

A- Setting the sail feeder

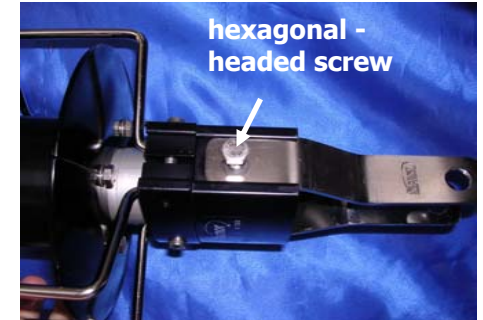
Like the halyard swivel, put the sail feeder on from the bottom of the forestay and slide it up around the telescopic section.



B- Fitting the drum

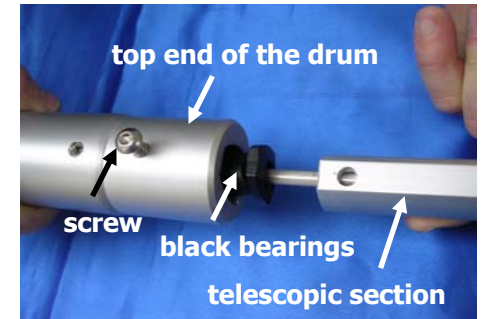
- Turnbuckle kit

Slide the bent link plates inside the grooves situated on each side of the drum bottom and fix the plates with 2 hexagonal screws provided.



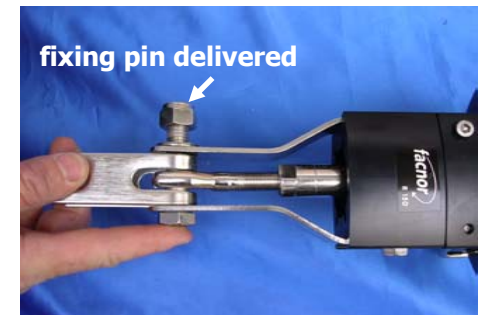
- Upper fixing

Put the drum on from the bottom of the forestay. Set **one black bearing** inside the top part of the drum. Assemble the drum and the telescopic section with the screw already in place.



- Lower fixing

Fix the toggle, the eye of the forestay terminal and the bent plates together with fixing pin provided.



6- FINAL ADJUSTMENTS

A- Securing the forestay top end

IMPORTANT : the eye terminal should be secured with loctite® glue.
Remove the terminal protection needed during the installation and screw the eye back after securing the threaded part of the terminal with loctite® glue.



B- Fixing the sail feeder with telescopic section

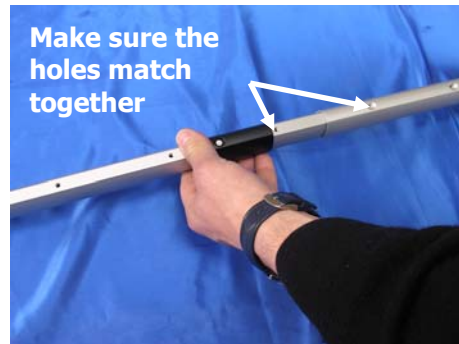
The assembled sections should be pulled up to the top of the forestay.

Then, pull them down slowly, until the upper hole of the telescopic section meets the lower hole of the standard section.

Both sections should be screwed together.

Slide the sail feeder under the standard section and fix the feeder onto the telescopic section with the allen screw.

You must have around 50 mm between the top of the halyard deflector and the top terminal, as well as between the top of the halyard swivel and the top cap.



7- SAIL PRE-FEEDER

Wind the „vectran“ loop twice round the telescopic section.



Pass the pre-feeder through the loop.



Position the pre-feeder at a suitable height and pull it tight.



Once the sail is fitted, loosen the loop and remove the pre-feeder. Store for future use.



8- CONVERTING THE HEADSAIL FURLER INTO HEADFOIL

You may want to change your roller reefing headsail for a full luff genoa when racing. Therefore, it is possible to convert your headsail system into a twin-groove headfoil.

A- Remove the furling line guide (a)

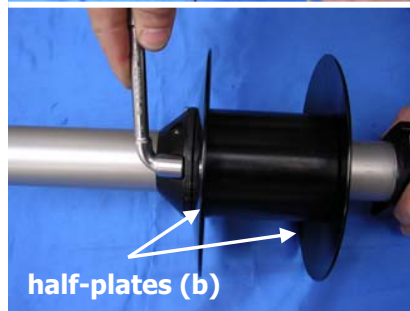
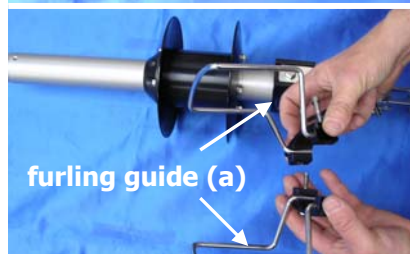
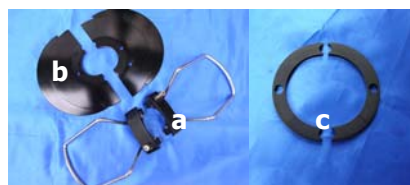
Take the 2 screws out while holding the stainless steel guide. Remove the guide with black parts.

B- Remove the 4 half-cheeks (b) and fitting the 2 protecting rings (c)

Remove the 8 screws holding the 4 half-cheeks. Release the 4 half-cheeks by lifting the drum nose and the foils up.

C- Halyard swivel

As the halyard swivel is not needed anymore, it should be pulled down below the sail feeder. Refit the sail pre-feeder. Therefore, remove the screw fixing the sail feeder and put the halyard swivel down to the drum.



Now the twin-groove headfoil is ready for use.

Proceed in the reverse to return the system back to the original installation on. If you often convert your reefing system into headfoil, we recommend to grease the screws.

9- INSTALLATION TIPS AND MAINTENANCE

* The furling line should run at 90° to the forestay.

* If the halyard deflector wheel is not used, fix a block on the mast, so that the halyard is at 15° from the forestay and that the top cap is positioned around 50mm from the bottom end of the top forestay terminal.

* The halyard deflector virtually eliminates all halyard wrap; however, when using a shorter sail, rig a short strop to the head of your sail to allow the top of the halyard swivel to be positioned around 50mm from the top cap, when your sail is fully hoisted.

* Your FACNOR has been designed to work maintenance free for many years. However, we recommend that you clean the furling system with fresh water once or twice a year.

