

## FXE INSTRUCTIONS (INSTALLATION & USE)

Installation & options : pages 1,2,3 Use : page 4



### BEFORE INSTALLATION

#### 1 – BOX CONTENT (to be checked upon reception)

##### A : Motorization or Standard kit

(cover already assembled)



motorization kit

Standard kit

+ Instructions manual to be kept by the user



Storage bag :

- The motorizing kit includes the storage bag



##### B : Options

	Radiocontrol*
	Wire control*
	4500 & 7000 Fast thimbles (for Asymmetric Spinnaker)
	LB4T5 & LB7T Snatch blocks (2to1)
	Stainless steel thimbles FCI 4500 Aluminium thimbles FCA 7000



##### \* Radio & wired control :

- The operator who uses the wired controller or radio pocket transmitter is responsible of the manoeuvre
- The controllers have to be operated by responsible adults
- Never push controllers button when a crew member manipulates the electric drive unit.
- Mind untimely pushings (for instance when the controller is in a pocket)
- Before any sail handling, make sure that it can safely be undertaken.



SERIAL NUMBER IDENTIFICATION

EX : XXXX

N° 4 digits

##### WARRANTY

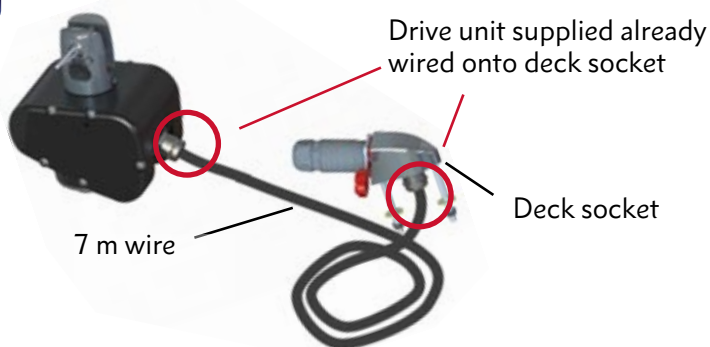
The FXe product is under 2 year warranty.

# INSTALLATION OF ELECTRIC DRIVE

## A. REMINDER



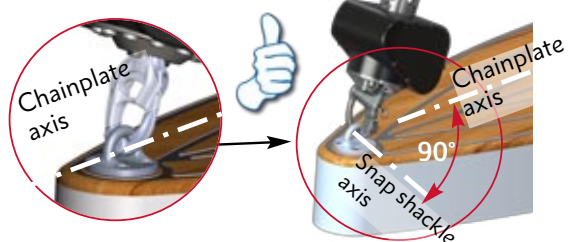
Preliminary connection inverted on purpose in order to make the installation easier



## B. SNAPSHOTACKLE INSTALLATION

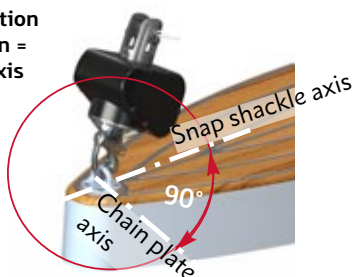
**1** Notice the orientation according to chain plate

**1.A Recommended Orientation**  
(chainplate angle = 0° boat axis)

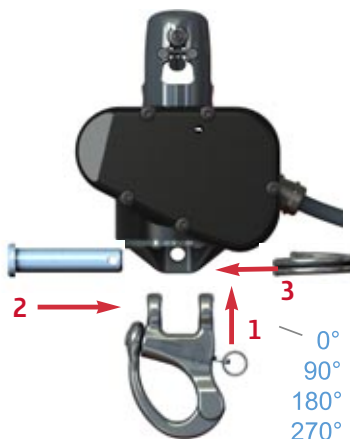


**1.B Less favorable option**  
Chainplate orientation = 90° from the boat's axis

**Check the chain plate can support the sail load**

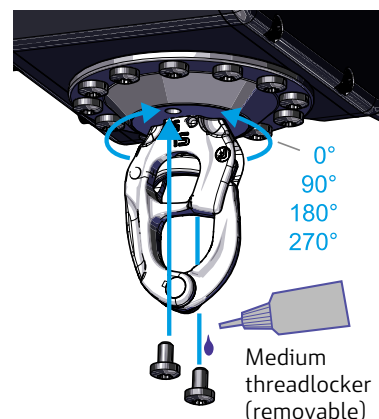


**2** Assemble the snap shackle to the drive unit  
(4 possible positions)  
**FXE4500**



**2 bis**  
**FXE7000**

- Orientate the snapshackle
- Secure the fixation screws with medium threadlocker
- and tighten them (4 possible positions)



## C. CABLE LENGTH DETERMINATION

**1** Place the drive unit and the deck socket on considered positions



**Check that there is no risk below deck**

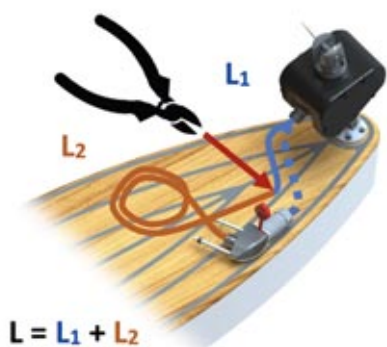
**2** Position and stick the drilling template



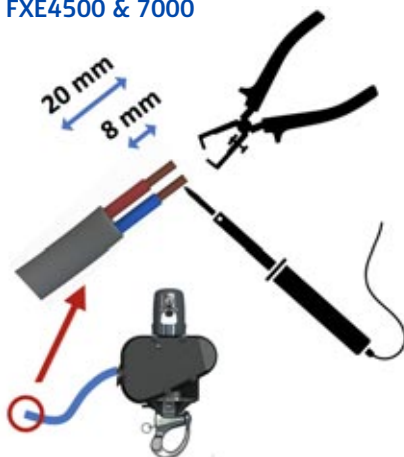
**3** Measure the necessary wire length (**L1**) to connect the drive unit to the deck socket



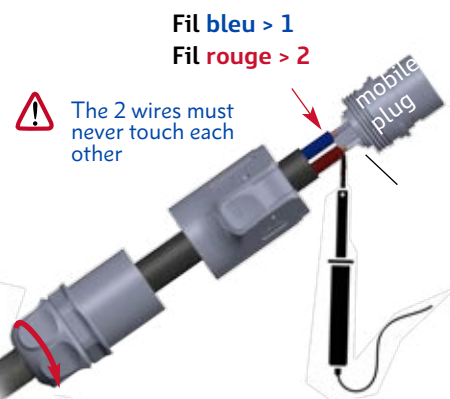
**4** Cut the electric wire (**L**) at the (**L1**) distance previously measured (+ 20 cm safety margin)



**5** Strip the cut electric cables;  
Tin the wires  
**FXE4500 & 7000**



**6** **FXe 4500 only** : Tin the wires to the mobile plug  
**FXE4500**





**FXe7000 only :**

**6 Bis** (FXe 7000 only)  
Position the shrinkable sleeve  
**FXE7000**

Slide the  
tinned wires in  
their connection

**7**  
**FXE7000** Tighten connections  
with an Allen key

Blue wire > 1  
Red wire > 2

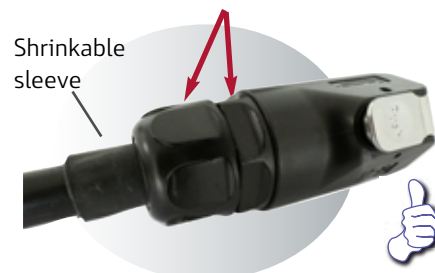
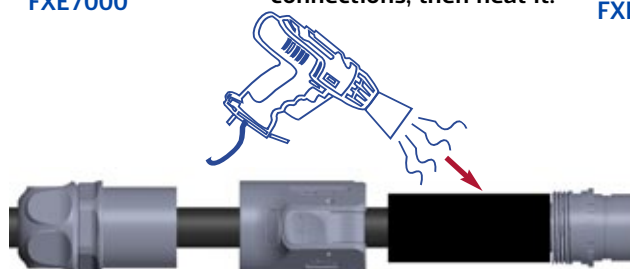


(cables in position: the 2 wires must not be in contact)

**8**  
**FXE7000** Position the shrinkable sleeve over the  
connections, then heat it.

**9**  
**FXE7000** Wait for the sleeve  
to cool completely

**10**  
**FXE7000** Assemble then tighten the  
cable gland (positioned on the  
shrinkable sleeve)

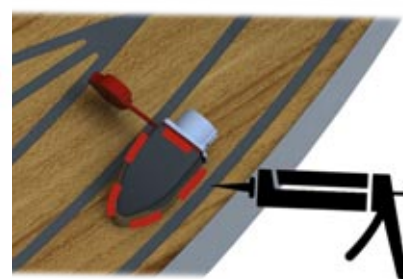
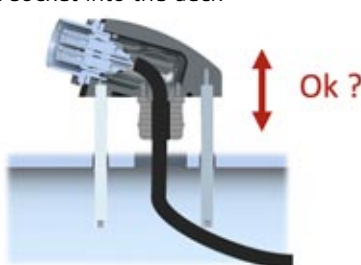
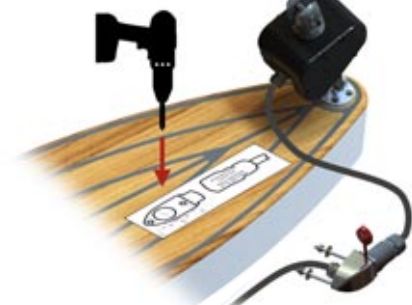


## D. INSTALLATION OF THE PLUG

**1** Drill the deck following the template :  
x2 (ø7) + 1x (ø27)

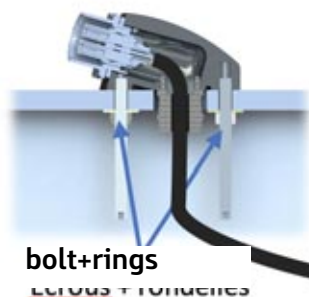
**2** Remove the template and place  
the socket into the deck

**3** Glue the deck socket with Sikaflex®



**4** Fix the socket into the deck

**5** Connect the wire to the supplied relay box  
after having recut the wire if necessary



Plug on the part  
"TO DRIVE UNIT"

> Relay box  
installation manual  
ref. 29160050151  
(in appendix)



## RADIO CONTROL

## WIRE CONTROL



## OPTION FITTINGS

> Electric control options

See installation manual :  
ref. 29160050195  
(in appendix)



Lay the sail on the deck



Connect the bottom mechanism (« click »)




Check the resistance of the chain plate (see B1) and then attach the snapshackle in the right orientation



Fit the bottom attachment onto the bowsprit or the prow. Carry out this operation safely



**Warning :**  never hold your FXE by its electrical wire but only by its handle! Damage on motor wiring is not covered under warranty

Top attachment + protection cover



Check the halyard



Halyard Tension



Check the positioning of the snapshackle in the chainplate



Plug the drive unit onto the deck socket



Unfurl the flying sail while watching the environment



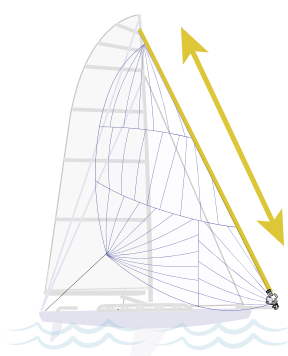
## B - HOISTING PRECAUTIONS

- Always anticipate the sail handling : start it conditions permitting and rigorously respect the sail use range specified by the sailmaker (use range)
- Use of a **2to1 system** (friction snapshackle) : not recommended (risk of wire tearing)

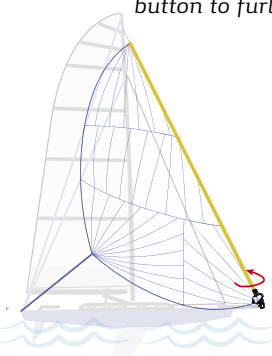
## C - FURLING

- The anti-torsion quality of the luff rope ensures the furling efficiency. For any enquiry, please contact one Facnor dealer
- Release well the sheet while sailing further downwind for easier furling.

**1** Tighten the tension into the luff before furling



**2** Slightly tighten the sheet, then press the radio- or wired control button to furl in



**3** Progressively release the sheet so that the sail furls in properly

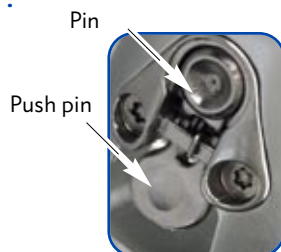


**4** End the handling. Do not leave the sail hoisted if the wind rises



Always check if anything prevents the top swivel or the head of the sail from free rotation. Most failed sail handling comes from there.

## D - SECURE/RELEASE MECHANISM PIN :



**WARNING :** Do not touch the FXe drive unit in rotation while furling in or out



## E - FXe STORAGE :

- After lowering the flying sail, disconnect the electric drive unit from the deck socket and then remove it from the chain plate. Fit the protection cap on the socket..

## F - MAINTENANCE :

- Rinse with clear water the mechanisms after every use



Please do not hesitate to contact Facnor sales team or agents if you have any queries :  
[info@facnor.com](mailto:info@facnor.com)