

FXE INSTRUCTIONS (INSTALLATION & USE)

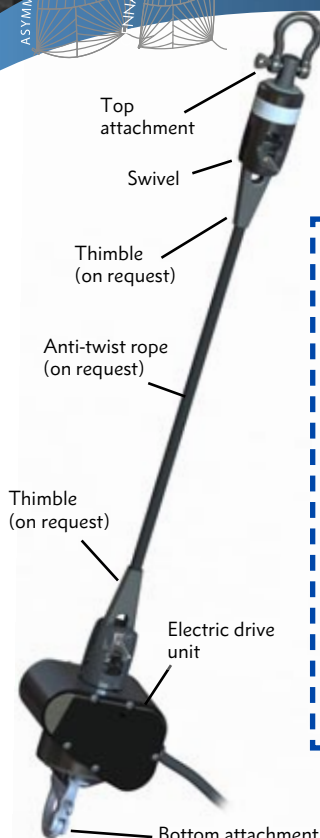
Installation & options : pages 1,2,3 Use : page 4



BEFORE INSTALLATION

1 – BOX CONTENT (to be checked upon reception)

A : Motorization or Standard kit



+ 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

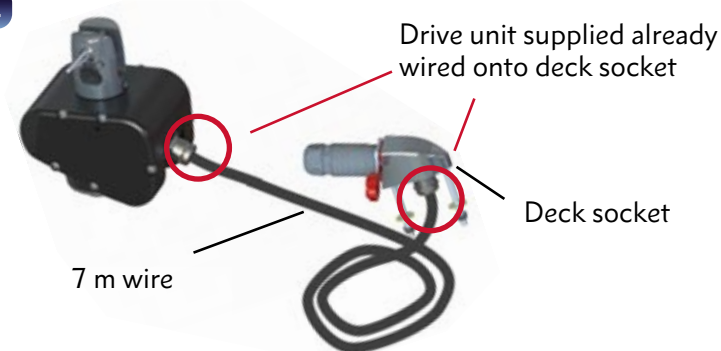
The FXe product is under 2 year warranty.

INSTALLATION OF ELECTRIC DRIVE

A. REMINDER

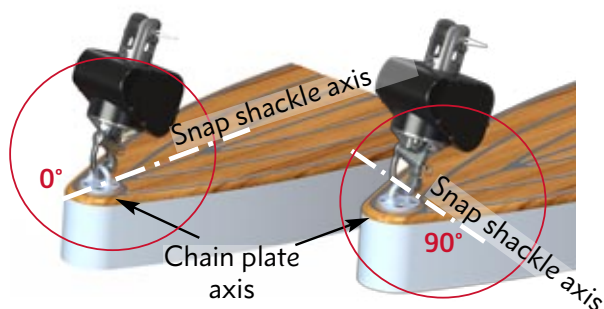


Preliminary connection inverted on purpose in order to make the installation easier



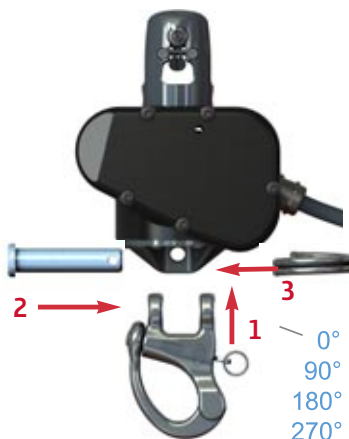
B. SNAPSHOTACKLE INSTALLATION

- 1** Notice the orientation according to chain plate



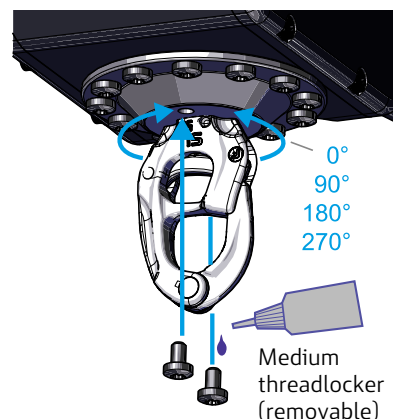
Check the chain plate can support the sail load

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



- 2 bis**
FXE7000

- Orientate the snapshackle
- Secure the fixation screws with medium threadlocker - and tighten them (4 possibles 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

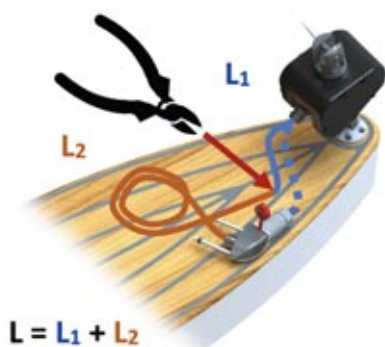
- 2** Position and stick the drilling template



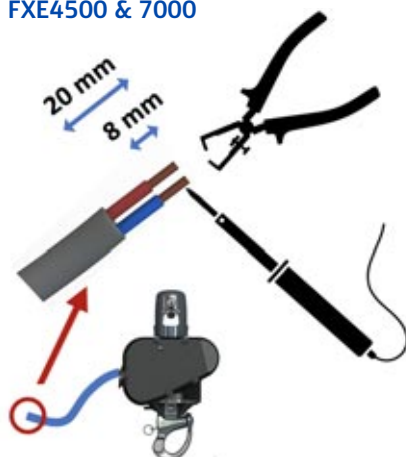
- 3** Measure the necessary wire length (**L1**) to connect the drive unit to the deck socket



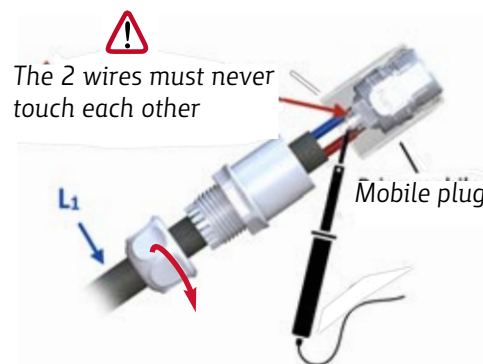
- 4** Cut the electric wire (**L**) at the (**L1**) distance previously measured (+ 20 cm safety margin)



- 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



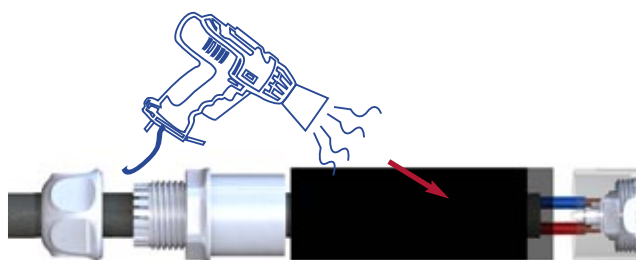
(cables in position: the 2 wires must not be in contact)

Slide the
tinned wires in
their connection

7
FXE7000 Tighten connections
with an Allen key



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



9
FXE7000 Wait for the sleeve
to cool completely

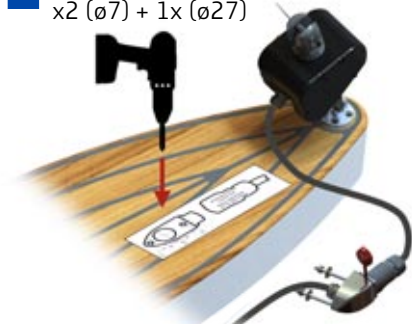


10
FXE7000 Assemble then tighten the
cable gland (positioned on the
shrinkable sleeve)

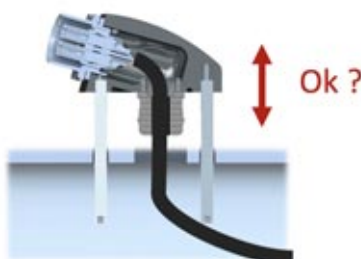


D. INSTALLATION OF THE PLUG

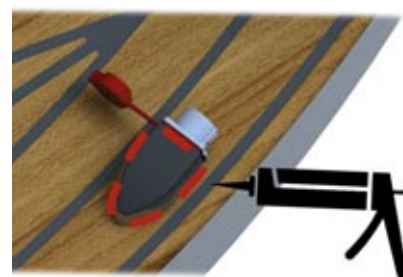
1 Drill the deck following the template :
x2 (ø7) + 1x (ø27)



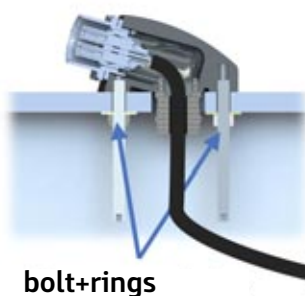
2 Remove the template and place
the socket into the deck



3 Glue the deck socket with Sikaflex®



4 Fix the socket into the deck



bolt+rings

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



> Electric control options

See installation manual :
ref. 29160050195
(in appendix)



Lay the sail on the deck



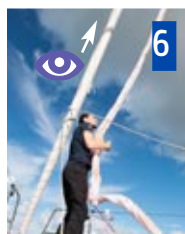
Top attachment + protection cover



Connect the bottom mechanism (« click »)



Check the halyard



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



Halyard Tension



Plug the drive unit onto the deck socket




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



Unfurl the flying sail while watching the environment



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

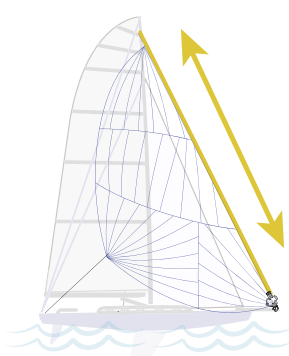
B - HOISTING PRECAUTIONS

- 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)

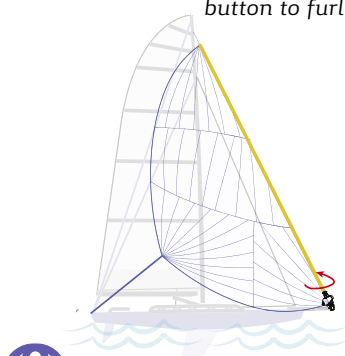
C - FURLING

- 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

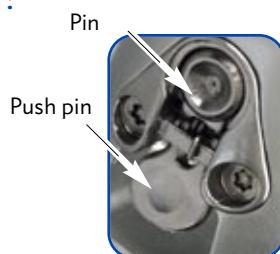


4 End the handling. Do not leave the sail hoisted if the wind rises



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

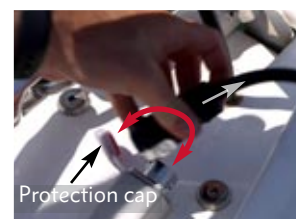


E - FXe STORAGE :

- 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