

In order to furl sails easier, Facnor offers furling motorizations, EC & EF+ electric models (from 9-meter boats) and HF hydraulic models (from 46 m up to 72 footers). Whatever configuration and reefing assistance chosen for your sailboat, motorization will bring a great comfort in navigation, especially on big units but also on smaller units.

COMFORT OF THE EC & EF+ ELECTRIC FURLERS

- Wired or radio remote control (see option page 18)
- Waterproof drive unit. No specific maintenance required
- Optimized power (max 800 W, speed 30 to 55 t/min)
- Low energy consumption & reduced noise level
- Fitted over the existing forestay without cutting
- Easy retrofit : motorization kit for converting Facnor (manual LS/LX 165 - 330) into electric EC or EF+
- Available in 12 and 24V with inverting box (details p.18)
- International 3-year warranty

EC & EF+

Special aluminium cover

Strong drive unit

Anticorrosion surface treatment

increased durability

New concept of electric multi-motorized power (EC)

29' → 48'
EC 39 & 47

45 → +55'
EF+ 550 & 600

Installation over the existing forestay

Passing through the drive unit.

SX foil sections

high torque resistance (see page 24)

Possibility of retro-fit

Simple upgrade path from Facnor manual units (similar dimensions).

Back up device

If manual operation is required a winch handle: see page 18, emergency continuous line system.



(after use, screw the cap back)

Stainless steel link plates, with multiple holes for drive unit

level adjustment according to anchor passage.



EC & EF+ ELECTRIC MOTORIZATION RANGE

EC & EF+ Technical datas :

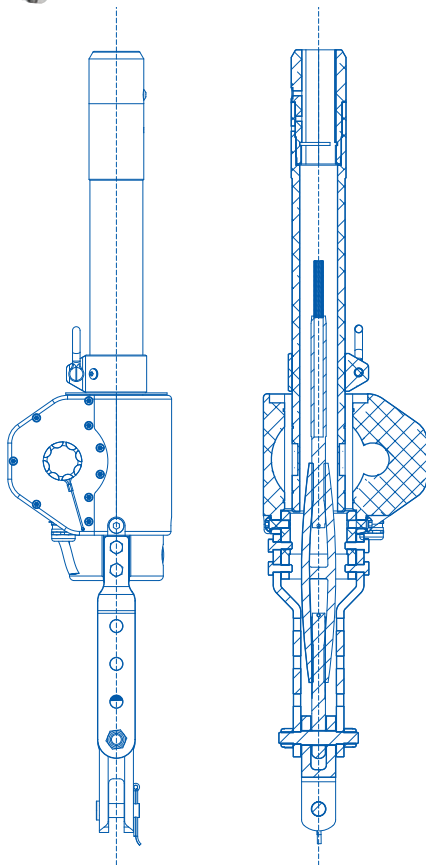
- Remote control option (Wired or radio version) : see page 18



Boat length (m/ feet)	Max forestay Ø	Section / Swivel	Model ref	Forestay length	Power / Rotation speed (max)	Amperage / Voltage
9 → 12 m 29' → 39'	8 mm	SX 39 /C 39	EC 39 (12 / 24 V)	14 m 50	400 W 40 RPM ¹	40 A / 12 V 24 V (20A) on request
	10 mm*			16 m 50		
12 → 16 m 39' → 48'	12 mm	SX 47 /C 47	EC 47 (12 / 24 V)	18 m 50	800 W 55 RPM ¹	40 A / 24 V 12 V (80A) on request
	12,7 mm*			20 m 50		
15 → 18 m 45' → 55'	12,7 mm	SX 47 / C 47	EF+550 (12 / 24 V)	18 m 50	800 W (12V) 1200 W (24V) 33 RPM ¹	30 A / 24 V 60 A / 12 V
	14 mm*			20 m 50		
+ 18 m + 55'	16 mm / 19 mm*	SX 53 / C 600	EF+600 (12 / 24 V)	20 m 50	800 W (12V) 1200 W (24V) 33 RPM ¹	40 A / 24 V 60 A / 12 V
				22 m 50		
	22 m 50					
	24 m 50					

*Installation with swage rigging screw or "manual"

RPM¹: Rotations per Minute



Toggle and stainless steel link plates

Fitted according to bottom forestay terminal (turnbuckle + toggle or eye + toggle). Toggle and stainless steel link plates are delivered in the standard kit.

EC & EF+ FOIL SECTIONS & SWIVELS

Foil section ref : see page 24.

- The large sized connectors guarantee a great torque resistance. The telescopic section prevents any requirement to cut the foil sections when adjusting.
- Option : special part available for «R» foil section adaptation.
- Waterproof swivels, high load resistant :
 - C 39 → EC 39, C 47 → EC 47
 - C 47 → EF+ 550, C 600 → EF+ 650

Complete kits :

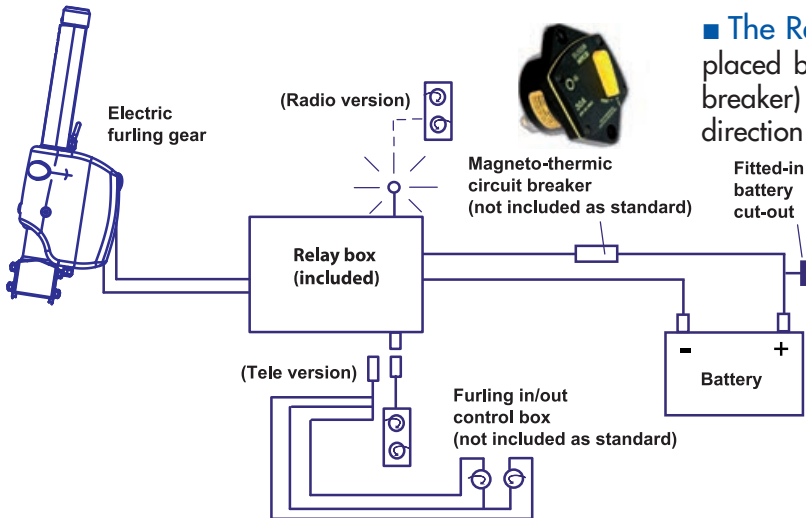
- motorization kit (drive unit, stainless steel link plates, toggle, relay box, circuit breaker)
- foil section kit (see P. 24)
- swivel, halyard deflector wheel

Options (see page 18) :

- wired or radio remote control
- emergency continuous line system



RELAY BOX / REMOTE CONTROL



■ **The Relay box** is a polarity inverting gear that is placed between the power supply (battery + circuit breaker) and the drive unit. It inverts the rotation direction and therefore enables to furl in or out. the foil sections turn at constant speed

■ **Waterproof circuit breaker** (delivered in the standard kit) : turns off the furling gear in case of overheating (due to a Genoa sheet not released for instance).

OPTIONS

■ **Remote control**

① **Wired**
(waterproof device)

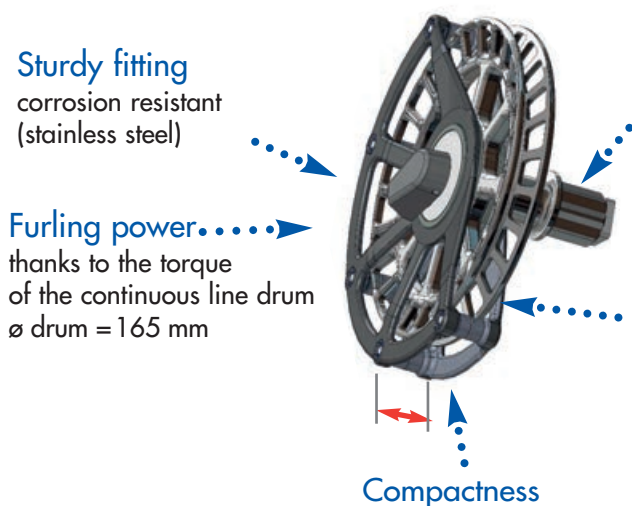
② **Radio version**
- pocket transmitter,
- receiver to be fixed underneath the top cover of the relay box



Remote control	Part number	Model Ref.
Wired ①	56012000140	EC 39 EC47
Radio Remote Controller ② Pocket transmitter + Receiver	56012000150	EF+550 EF+600

■ **Emergency system (electric or hydraulic furler) : operating in any circumstances**

The "FACNOR emergency system" is made up of a notched drive wheel and a continuous line. If an electrical failure were to occur, this device allows the operator to quickly and easily furl in the headsail(standing one meter behind).

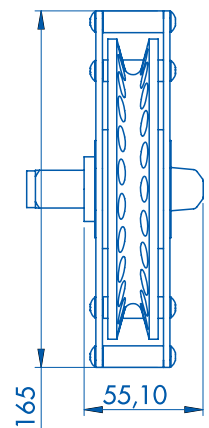


Self-locking device

The Facnor emergency system is fitted with a standard square drive winch socket.

Continous furling line

- Easy : pull the continuous line to manually operate the furling system..
- Quick



Adaptable on any standard model of electric/hydraulic furlers
Ref. 03039000100. Thickness = 55 mm.

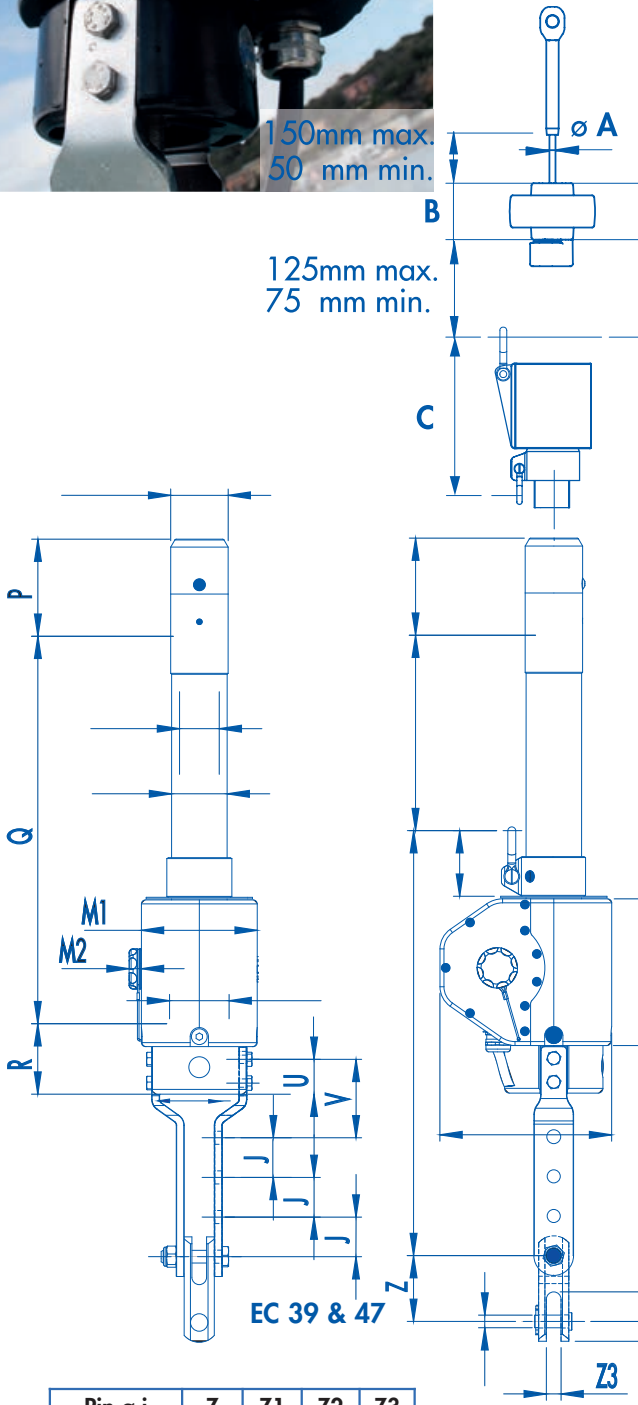
Delivered inside a fabric protection bag and with an endless line (12mm Ø)



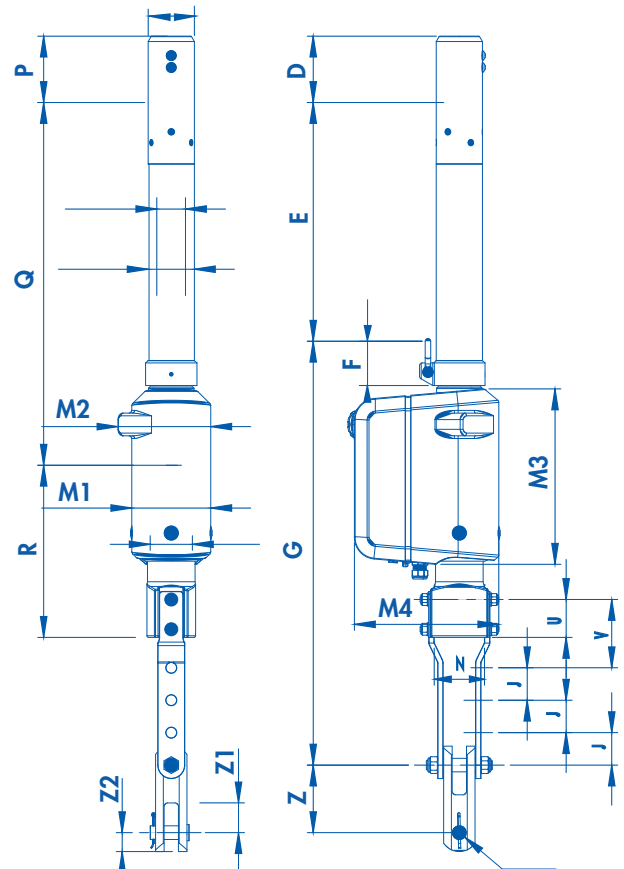
EC & EF+ DIMENSIONS

MODEL Elec. furler	EC 39 SX 39	EC 47 SX 47	EF+ 550 SX 47	EF+ 600 SX 53
Section /Swivel Ref.	SX 39 C39	SX 47 C47	SX 47 CX47	SX 53 C600
A = max. forestay ϕ (* turnbuckle)	8 mm* 10 mm*	12 mm* 14 mm*	12 mm* 14 mm*	22 mm*
B	53		53	
C	174	226	226	235
D*	98	106	103	123
E	162	248	263	486
F	62	77	82	
G	496*	536*	770	
J	50	50	60	
M4	184	216	267	
ϕ K	60	72	72	85
ϕ L	60	70	72	86
M1	122	146	146	
M2	16		172	
M3	160	185	324	
N	78	100	93	
P	98	106	103	123
Q	363	485	435	671
R	79	89	265	318
ϕ S	42	50	53	
T	54	75	78	
U	39	44	70	
V	105*	104*	126	126

* End of the telescopic section



EC 39 & 47



EF+ 550 & 600

Pin ϕ i	Z	Z1	Z2	Z3
12.7	77	27	19	13
16	82	28	25	18.5
19	94	42	29	123
22	105	36.5	32.5	22.5
25	125	55	35	26.5
28	140	50	39	-
32	165	75	42	-