

In order to furl sails easier, Facnor offers furlers electric motorizations : the range EC (from 9-meter boats) ) benefits from an optimized power with multi-motors concept. This innovation is now on board many units. The EF+ complete the range of electric furlers (classic single-motor) and rather for large units.

COMFORT OF THE EC & EF+ ELECTRIC FURLERS

- Wired or radio remote control (see option page 20)
- Waterproof drive unit. No specific maintenance required
- Optimized power
- Low energy consumption & reduced noise level
- Fitted over the existing forestay without cutting
- Easy retrofit : motorization kit for converting Facnor (manual LS 165 - 330) into electric EC or EF+
- Available in 12 and 24V with inverting box (details p.20)
- International 3-year warranty

EC & EF+

Special aluminium cover

Strong drive unit

Anticorrosion surface treatment

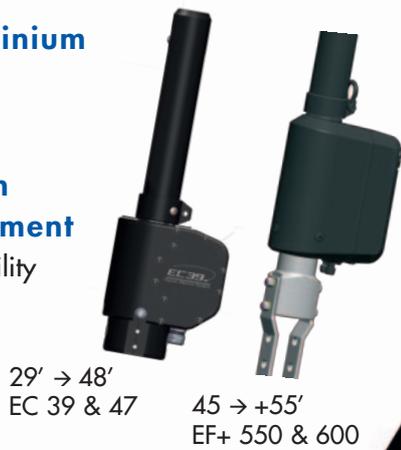
increased durability

Concept of electric multi-motorized power (EC)

Installation over the existing forestay

Passing through the drive unit.

> Video EC



..... 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 20, 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 :

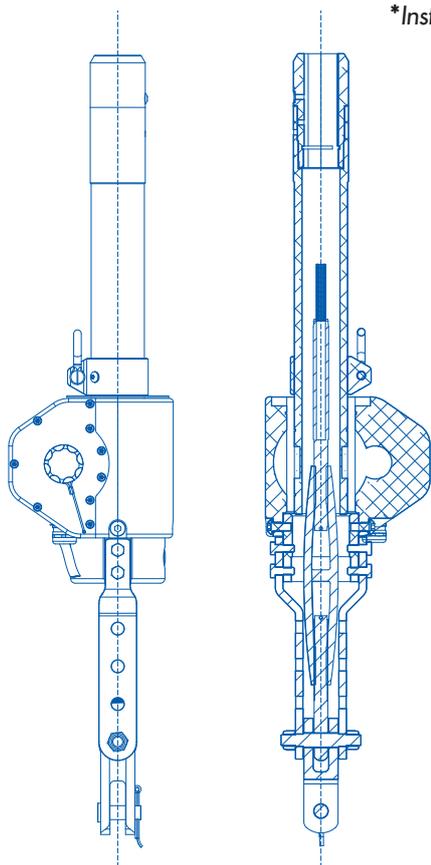
- Remote control option (wired or radio version) : see page 20



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	SX39 / C39	EC 39 (12 / 24 V)	14 m 50	400 W 40 RPM <sup>1</sup>	40 A / 12 V 24 V (20A) on request
	10 mm*			16 m 50		
12 → 16 m 39' → 48'	12 mm	SX47 / C47	EC 47 (12 / 24 V)	18 m 50	800 W 55 RPM <sup>1</sup>	40 A / 24 V 12 V (80A) on request
	12,7 mm*			20 m 50		
15 → 18 m 45' → 55'	12,7 mm	SX47 / C47	EF+550 (12 / 24 V)	18 m 50	800 W (12V) 1200 W (24V) 33 RPM <sup>1</sup>	60 A / 12 V 30 A / 24 V
	14 mm*			20 m 50		
+ 18 m + 55'	16 mm / 19 mm*	SX53 / C600	EF+600 (12 / 24 V)	20 m 50	800 W (12V) 1200 W (24V) 33 RPM <sup>1</sup>	60 A / 12 V 40 A / 24 V
				22 mm		
	22 mm			22 m 50		
				24 m 50		
+ 21 m + 69'	19 mm*	SX53 / C600	EC70 (24 V)	26 m 50	1500 W (24V) 60 RPM <sup>1</sup>	80 A / 24 V
	22 mm*			28 m 50		

\*Installation with swage rigging screw or "manual"

RPM<sup>1</sup> : 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 :
  - C39 → EC39, C47 → EC47
  - C47 → EF+550, C600 → EF+600 & EC70

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 20) :

- wired or radio remote control
- emergency continuous line system

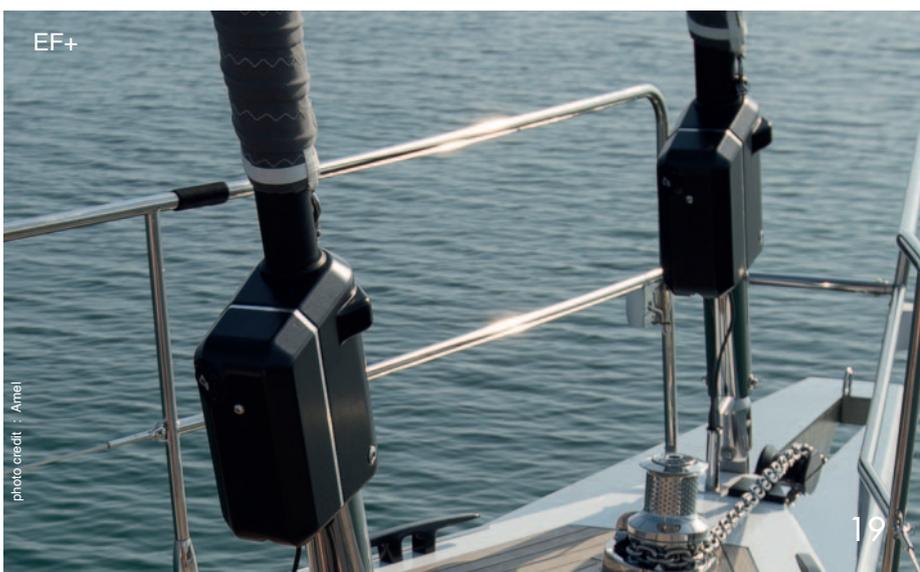
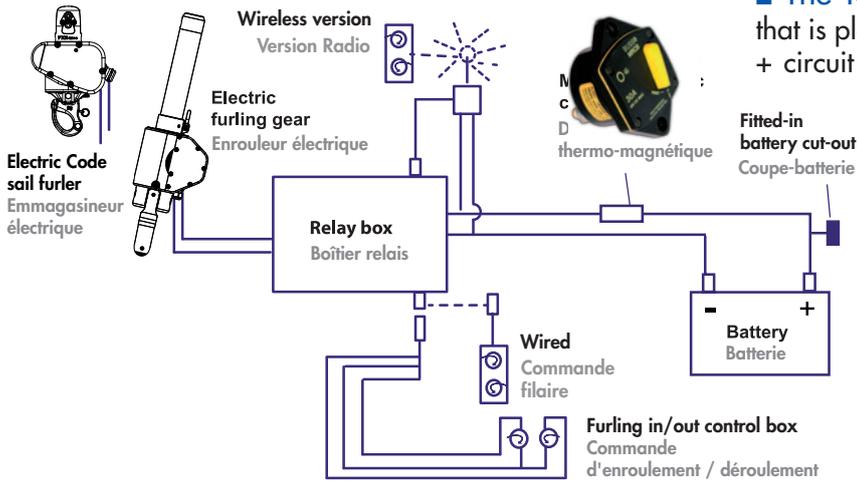


photo credit : Amel

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).



 > [Relay box instructions](#)

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 EC70

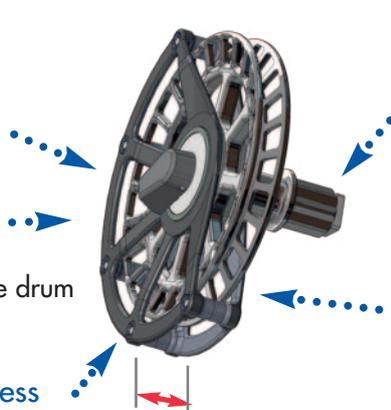
■ **Emergency system (electric or hydraulic furler) : operating in any circumstances**

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).

**Sturdy fitting**  
corrosion resistant  
(stainless steel)

**Furling power**.....  
thanks to the torque  
of the continuous line drum

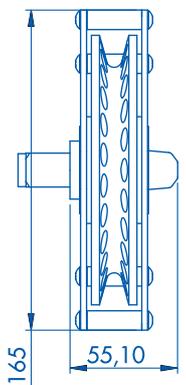
**Compactness**



**Self-locking device**  
Standard square drive  
winch socket.

**Continuous furling line**

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



Adaptable on any standard model of electric/hydraulic furlers  
Ref. 03039000200.

Delivered inside a protection bag and with an endless line (8mm Ø)



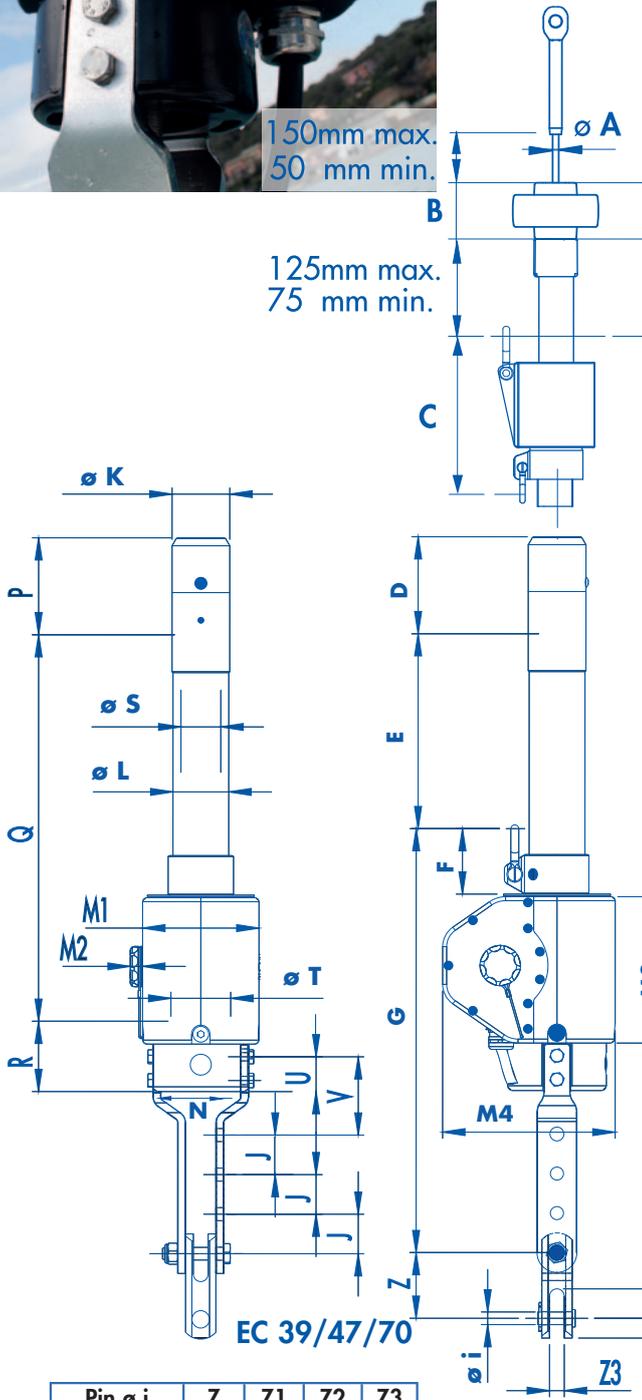
EC & EF+ DIMENSIONS



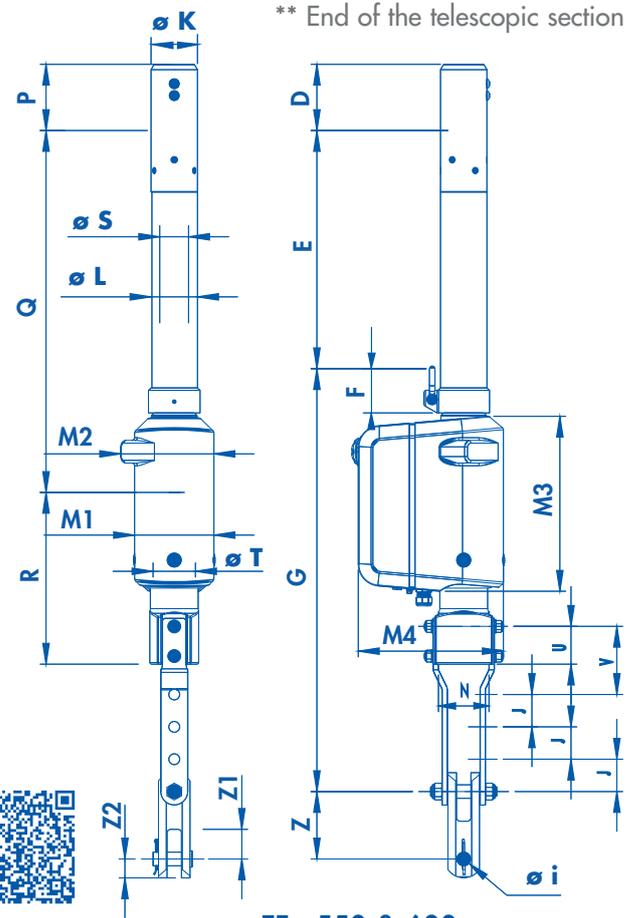
150mm max.  
50 mm min.

125mm max.  
75 mm min.

MODEL	EC 39	EC 47	EF+ 550	EF+ 600	EC 70
Elec. furler	SX 39	SX 47	SX 47	SX 53	SX 53
Section /Swivel Ref.	SX 39 C39	SX 47 C47	SX 47 CX47	SX 53 C600	SX 53 C600
<b>A = max. forestay <math>\varnothing</math> (mm) (* turnbuckle)</b>	$\varnothing 8$ $\varnothing 10^*$	$\varnothing 12$ $\varnothing 12,7^*$	$\varnothing 12$ $\varnothing 14^*$	$\varnothing 16$ $\varnothing 19^*/22^*$	$\varnothing 19^*$ $\varnothing 22^*$
<b>B</b>	53		53	53	52
<b>C</b>	175	220	220	228	
<b>D**</b>	98	106	103	123	127
<b>E</b>	162	248	263	486	404
<b>F</b>	62	77	82		101
<b>G</b>	496*	536*	770		515
<b>J</b>	50	50	60		-
<b>M4</b>	184	216	267		297
<b><math>\varnothing K</math></b>	60	72	72	85	85
<b><math>\varnothing L</math></b>	60	70	72	86	85
<b>M1</b>	122	146	146		200
<b>M2</b>	16		172		215
<b>M3</b>	160	185	324		310
<b>N</b>	78	100	93		-
<b>P</b>	98	106	103	123	127
<b>Q</b>	363	485	435	671	767
<b>R</b>	79	89	265	318	177
<b><math>\varnothing S</math></b>	42	50	53		64
<b>T</b>	54	75	78		80
<b>U</b>	39	44	70		-
<b>V</b>	105*	104*	126		-



EC 39/47/70



\*\* End of the telescopic section

EF+ 550 & 600

Pin $\varnothing i$	Z	Z1	Z2	Z3
12.7	77	27	19	13
16	82	28	25	18.5
19	94	42	29	20,5
22	105	36.5	32.5	22.5
25	125	55	35	26.5
28	140	50	39	31
32	165	75	42	33
32 (EC70)	165	91	42	33



> EC/EF+ Instructions