

**ANTI-TORSION ROPES & FX+ OPTIONS**

Flying sails like Gennaker, Code 0 or Asymmetric Spinnaker fitted on furlers are supplied with an **anti-twist luff rope**. Anti-twist as it needs to transmit the rotation down to the top of sail. For an optimum revolution the jaws of furler mechanisms are connected to the luff rope thimbles. And for an optimum halyard tension, a two-to-one block can be fitted.

(Example of installation)



**Rings & snatch blocks**

■ in case of high load, they enable to release the halyard and the sheave box; connected above the swivel or underneath the drum.

FRX 2-to-1 RINGS						
Model	FX+/FXT/FAST Ref.	ø	SWL	Height (mm)	Weight (g)	Reference
FRX1500	FX+1500	10	1,5T	50	42	24018000601

SB SNATCH BLOCK- (Pivoting carbon cheeks)						
Model	FX+/FXT/FAST Ref.	ø Sheave	SWL	H (mm)	Weight (g)	Reference
SB2500	FX+2500	50	2,5T	77	281	43170102540
SB4500	FX+4500	57	4,5T	84	341	43170104540
SB7000	FX+7000	64	7,5T	93	429	43170107040

FCI / FCA / FC+ THIMBLES						
Model	FX+/FXT/FAST Ref.	Rope ø (mm)	Axis ø A (mm)	CSP	R	Reference
FCI 1500	FX+ 1500	9 → 11	8	14,5	15	25200010110
FCI 2500	FX+ 2500	11 → 13	10	17	18,5	25200010112
FCI 4500	FX+ /FXT 4500	13 → 15	12	18,5	22	25200010114
FCA 7000	FX+ /FXT 7000	16 → 22	14	25	35	43130237030
FCA 12000*	FX+ 12000 std	16 → 22	16	25	35	43130231220
FCA 12000*	FX+ 12000 race	16	18	21	35	43130231230
FC+ 24000*	FX+ 20000 std	20 → 24	20	28	41	43130232020
FC+ 24000*	FX+ 20000 race	20 → 24	29	30	41	43130232030

\* 2 models : Standard & Racing for FCA 12000 & FC+ 20000

**The thimbles**

■ Adjusted to the mechanism jaw for a optimum transmission in rotation.



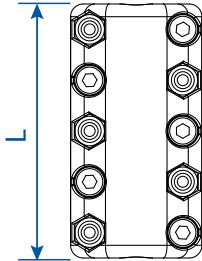
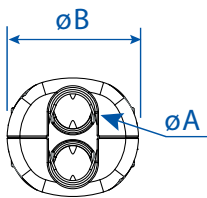
THIMBLE LASHING NS		
Model	FX/FXT Ref.	Reference
NS2500 Latch.	FX+ 2500	43130202535
NS4500 Latch.	FX+/FXT 4500	43130204535
NS7000 Latch.	FX+/FXT 7000	43130207035

CLAMPS FOR ANTI TWIST ROPE

New!

In order to facilitate the installation of **anti-torsion ropes** by sail-makers, Facnor has developed a range of highload clamps (Duplex Marine quality stainless steel) :

- Use for asymmetric Spinnaker validated with most antitwist ropes.
- Use for Code sails validated only with some antitwist ropes (please consult us)
- Adapted shape for lashing
- Complementary to Facnor thimble range
- Quick assembly (three types of assembly : with long screws for manual preassembly, with vice or with hydraulic press machine thanks to a special tool)
- 4 models fitted from 9mm to 15mm ø
- Kit including clamp + stainless steel screws (including long screws for preassembly) + thermoshrinkable sleeves

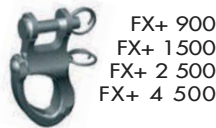


CLAMPS					
Model	References	ø A.T. Rope* (mm)	Dimensions		
			ø A (mm)	ø B (mm)	ø L (mm)
FRC D09 mm	24000091090	9	8,5	29	56
FRC D11 mm	24000091110	11	10	31	60
FRC D13 mm	24000091130	13	12	35	62
FRC D15 mm	24000091160	15,5	15	40	67

Quick fastenings :

Different quick fastening devices (top or bottom) are available:

- snap shackles ...
- soft converting part fitted on Wichard snapshackle (small size solid sheave)

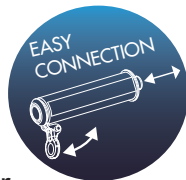


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QUICK FASTENINGS

Solid sheaves :

material : Duplex stainless steel  
see use for asymmetric Spinnaker (page 36) or Staysail (page 33)



NEW Design!

SSH+ 1500>2500



SSH+ 4500>12000



SOLID SHEAVE

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SSH SOLID SHEAVE				
Model	FX/AFX Ref.	Height (mm)	weight (g)	Reference
SSH+ 1500	FX+ 1500	53	173	43354320153
SSH+ 2500	FX+ 2500	60	226	43354320253
SSH+ 4500	FX+ 4500	69	280	43354320453
SSH+ 7000	FX+ 7000	73	350	43354320543
SSH+12000	FX+ 12000	84	415	43354320943





**COVERS FOR DRUM & SWIVEL**

**Continuous line drum covers :** the FX+ cover is ideal for protecting your continuous line furlers from deck impacts. The cover is made of padded PVC and assembled with thick and strong strips. Standard available for the FX+ 2500, FX+ 4500, FX+ 7000 (other cover models on request).

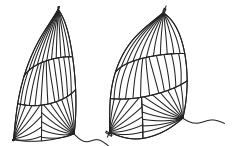
FX+ Drum	FX+ 2500	FX+ 4500	FX+ 7000
REFERENCE	29050000076	29050000056	29050000060

FX+ & FXT SWIVEL	FX+ 900	FX+ 1500	FX+ 2500	FX+/FXT 4500	FX+/FXT 7000
REFERENCE	29050010090	29050010150	29050010250	29050010450	29050010700



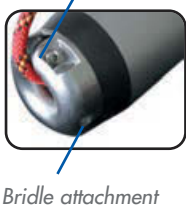
**Swivel protection covers (neoprene) :** an additional benefit of securing the mast and the sailing crew. Delivered in FX+ standard kit : FX+ 2500, FX+ & FXT 4500, FX+ & FXT 7000.

**BOWSPRIT FOR GENNAKERS & ASYMETRICAL SPINNAKERS**



Fitted-in sheave from 25 up to 57'

Simple and efficient functioning



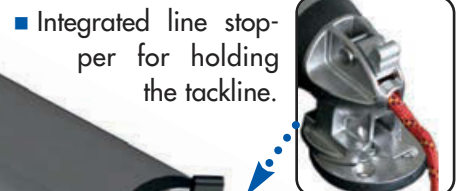
Bridle attachment



Automatic locking device

- The central fixing collar is removable from the fixing block. The foredeck is therefore totally free (no more fixed collar in the way).
- Rotating collar captive from the section: removable bowsprit for storage alongside one boat edge

- Easy fixation thanks to an automatic locking device on deck fixing blocks;
- Simple installation (only a short backwards movement is needed to fit the bowsprit on the deck);
- Quick removal & storage on a third fixing block;
- The locking system incorporates an anti-theft device.



integrated line stopper

**Complete kit including :**

- Aluminium bowsprit with special end fittings : bridle attachment at the front and fixing block device at the back (delivered pre-installed);
- Adjustable Central fixing collar +Deck fitting blocks and two counter plates.

**Technical datas and references**

ø section (mm)	Total length (mm-feet)	Mini. length inside (mm-feet)	max. length outside (mm-feet)	Use example boat length (feet)	Max sail area (m <sup>2</sup> )		Fitting FX+ & FX+SPI models
					Asym. Spi.	Gennaker & code zero	
ø 70	1600	800	800	25-36'	60	37*	1500/2500
ø 80	1800	900	900	36-40'	82	52*	2500/4500
ø 90	1900	950	950	40-47'	102	65*	4500/7000**
ø 100	2000	1000	1000	48-57'	130 / 150*	105*	4500/7000**

\*with bridles \*\* FX+7000 with snap shackle option

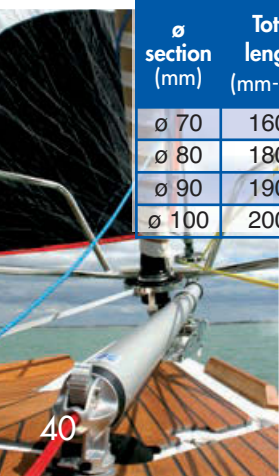
Articulating toggle (option) for Gennaker / Code zero furler attachment



Bridle kit (option)



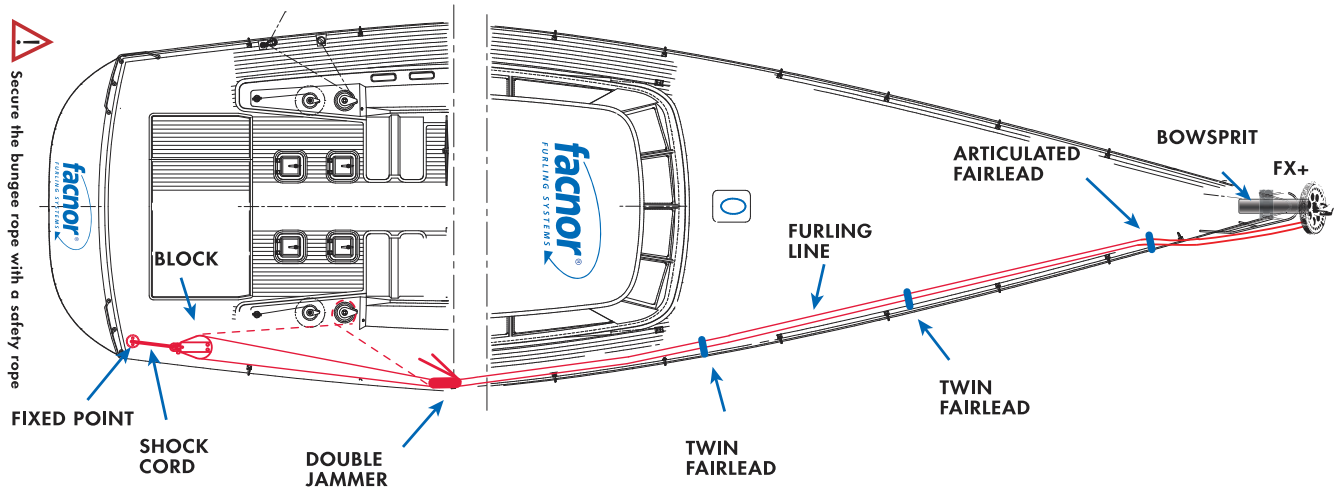
■ **Options :** «working» and «parking» deck fittings, deck fitting covers, stemhead fittings, bridle kits, furler fitting ring (Gennaker attachment,...),...





**FX+ CIRCUIT OF CONTINUOUS FURLING LINE**

**FX+ :** The continuous furling line is easy to install thanks to the articulated and twin fairleads (See below). The loop can be tightened and then secured with a double jammer.



**TWIN FAIRLEADS**

The fairlead can be open in order to fit a spliced furling line.



Model	Description	for stanchion $\varnothing$	Reference
TSL25	Twin fairlead (rope hole $\varnothing$ 20)	25	24000102110
TSL28	Twin fairlead (rope hole $\varnothing$ 20)	28	24000102130

**SPliced FURLING LOOP**

**Rope :** polyester /braided polyester rope  
Available :  $\varnothing$  6,  $\varnothing$  8,  $\varnothing$ 10,  $\varnothing$  12

Length : 12, 16, 20, 26, 32 m and other lengths on request



Grip suitable for Gennaker & Code zero furlers

Spliced furling loop		
$\varnothing$ (mm) x L (m)	FX+ Model	Reference
$\varnothing$ 6 x 12 m	FX+900	24016060120
$\varnothing$ 6 x 16 m		24016060160
$\varnothing$ 8 x 16 m	FX+ 1500 FX+ 2500	24016080160
$\varnothing$ 8 x 18 m		24016080180
$\varnothing$ 8 x 20 m		24016080200
$\varnothing$ 10 x 20 m	FX+4500	24016100200
$\varnothing$ 10 x 26 m		24016100260
$\varnothing$ 10 x 32 m		24016100320