



NEX

GENERATION
FLYING SAILS FURLER

NEX

Flying sail furlers

NEX, THE NEW GENERATION FURLER

The new version of the Nex furler is now available with many innovations and technological improvements. These innovations, resulting from our expertise gained since the launch of the first version of the NEX in 2010 will bring you even more performance, safety and comfort when sailing. Its range of 7 models covers all sizes of sails (up to 350m²) and enables it to equip boats of more than 80'.

Why choose a NEX furler?

- **Performance:** Speed of furling, weight and optimized footprint
- **Comfort and safety** during furling/unfurling operations FurlAssist (pawl function), ease of furling
- **Ease of use:** easy installation, fast and intuitive sail trimming
- **Reliable,** proven and maintenance-free technology
- **Wide range of end fittings** for better adaptation to your deck layout
- **Product with modern design**
- **3-year international warranty**

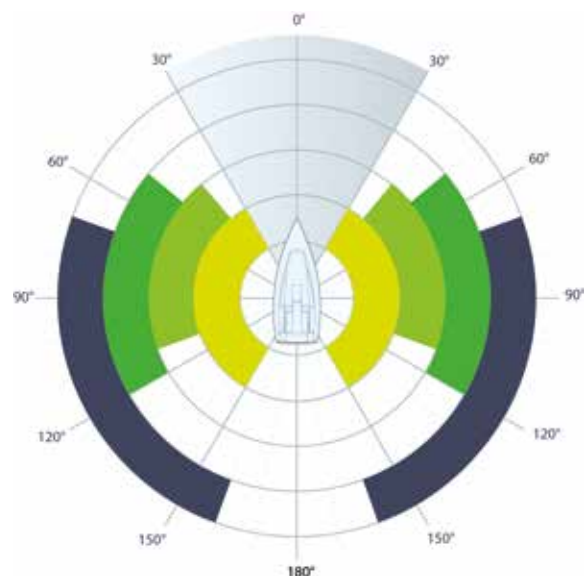
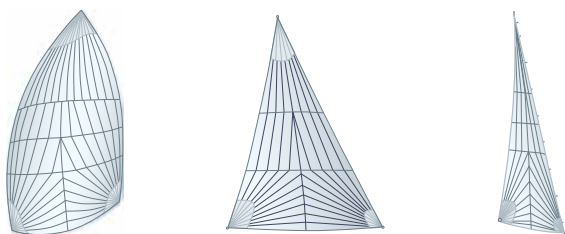


What types of sails?

NEX furlers are intended for flying light wind or heavy sails. Developed in partnership with the largest sailmakers, the NEX furlers allow you to get the best out of your sails while handling them easily and safely

↘ **Light sails:**
Gennaker, Code 0, Screacher, light genoa

↘ **Heavy sails:**
• Solent, stay sail



SPINEX

NEX furlers: the reference in the racing world:

Since their launch in 2010, NEX furlers have often been in the lead in offshore races and have been chosen to equip the most efficient yachts:

- IMOCA,
- Class 40,
- Ultim,
- Multi 50,
- M32,
- Mini 6.50
- Etc...



NEX

Flying sail furlers

SAFETY

SAFE SYSTEM : Removable line

Already present on the 1st generation of NEX, the SAFE SYSTEM enables you to stop the furling line running during sail deployment and therefore helps:

- prevent accidents or damage caused by a free running line.
- manoeuvre more quickly and easily
- prevent excessive wear of the line



NEW TERMINALS:

- Swivel eye
- Compact halyard block
- Solid sheave

See pages 30 and 31

PERFORMANCE

OPTIMUM FURLING : Furl quickly and without effort

A real technological improvement, Nex drums are the widest on the market and provide:

- Fast furling speed
- Comfortable furling needing less effort during manoeuvres. A real advantage with small crews



XTRA-LITE SYSTEMS : Continuously striving for lightness

The general design and the choice of materials enable us to offer systems that are ever lighter for:

- Improved performance of the boat
- Ease of use of the systems during manoeuvres



S-GRIP : Better line grip

The specific design of the drum groove provides:

- Better rope grip
- Easier sail furling without skidding
- Limited rope wear



NEW :
Anti-shock housing for
better protection and longer life



EASY TO USE

I-CONNECT : Quick fit sailing system

Available on swivel shackle and drum mechanisms, I-Connect offers:

- Quick opening and closing of the pin by pulling on the ball (regardless of the direction of the force)
- Excellent grip (even with gloves)
- A simple new mechanism without jamming - easy to dismantle



QUICK FIT : Line Fitting

Already present on the 1st NEX, Quick Fit makes fitting and removing a spliced line quick and easy:

- Quick Installation
- Possibility of splicing to length
- Possibility of leaving the line in position
- Possibility of using the same line for several systems



TUNE & LOCK : Easy fitting and adjustment

Installation and adjustment of the housing is made simple with a single screw:

- Precise adjustment of the housing according to the orientation of the line
- Decreases the friction of the line on the housing
- Automatic height adjustment of the housing



INNOVATION!

FURLASSIST: INTUITIVE AND SAFE ASSISTANCE FOR FURLING

A MAJOR INNOVATION of this new Nex range, the FURLASSIST ratchet function is a real plus for your manoeuvres allowing::

- Better control of furling avoiding accidental unfurling of the sail
- Reliable furling due to the permanent engagement of the pawl
- Safety: it only unlocks when hauling in the line fast
- Simplicity: operates in both directions and without additional line
- Easy installation and removal (2 screws)

NEX

Flying sail furlers



SELECTION TABLE

	NEX 0.9	NEX 1.5	NEX 2.5	NEX 4.0	NEX 6.5	NEX 8.0	NEX 12.0
Light sail area (i.e gennaker)*	35m ²	60 m ²	80 m ²	140 m ²	220 m ²	300 m ²	450 m ²
Stormsail area*		20 m ²	30 m ²	45 m ²	65 m ²		
Option : Ratchet feature FurlAssist	-	✓	✓	✓	✓	✓	✓
Working Load**	900 Kg	1500 Kg	2500 Kg	4000 Kg	6500 Kg	8000 Kg	12.000 Kg
Spool diameter	120 mm	150 mm	180 mm	220 mm	220 mm	250 mm	250 mm
Standard lower terminal	Clevis pin snap shackle	Clevis pin snap shackle	Clevis pin snap shackle	Clevis pin snap shackle	Trigger snap shackle	Trigger snap shackle	
Standard upper terminal	Swivel eye	D shackle	D shackle	D shackle	D shackle	D shackle	D shackle
Examples for a monohull	Mini 6.50 - Cruising boat 27'	Cruising boat 32'	Cruising boat 42'	Cruising boat 50'	Cruising boat 55'	Cruising boat 60'	Cruising boat +65'

List of terminals and options available



Description	D shackle	Eye	Halyard block	MXEvo: halyard shackle
For models	As standard on all models but NEX 0.9 - NEX 8.0 - NEX 12.0	<ul style="list-style-type: none"> NEX 0.9: as standard Option: from NEX 1.5 to NEX 8.0 	<ul style="list-style-type: none"> Option for all models (not available for NEX 0.9 & NEX 1.5) 	<ul style="list-style-type: none"> Option for all models (not available for NEX 6.5 - NEX 8.0 - NEX 12.0)
Benefits	<ul style="list-style-type: none"> Wichard forged shackle in High resistance stainless steel 	<ul style="list-style-type: none"> Compact Prevents the rope wear Perfect for lashings 	<ul style="list-style-type: none"> 2/1 halyard No loop - no twist Compact Dismantable With balls + bearing 	<ul style="list-style-type: none"> 2/1 halyard Becket for 3/1 purchase Heavy load Compact Stainless steel Rope dia: 8 to 14 mm
Upper terminals	✓	✓	✓	✓
Lower terminals	X	✓	✓	✓

*: The values shown in the table are for information only and should be verified by a professional taking into account the characteristics of the boat.

** The working loads shown are the maximum working loads of the mechanisms only and are not the loads of the complete system when terminals are included. The product should not be used above these working loads in any circumstances.

Profurl + points: Proven and unique technology

- Performance even under high loads
- Reliability and longevity of the mechanisms



NEX furlers and manual furlers share the Profurl technology that has created the reputation of the brand: Profurl mechanisms are the only ones to use bearings made from very hard **100C6 carbon steel** which allow furling even under high loads (no crushing of the balls). The mechanism is mounted in a waterproof grease bath and is protected from external aggressions (salt, sand, etc.) and does not require any maintenance.



Clevis pin snap shackle

- As standard on all models from NEX 0.9 to NEX4.0



Speedlink: trigger snap shackle

- As standard from NEX 6.5 to 8.0



Solid sheave

- Option: from NEX1.5 to NEX12.0



Swivel hook

- NEX4.0, NEX 6.5 and NEX8.0

- Wichard forged snap shackle
- Ergonomic ball for quick opening

- Wichard forged snap shackle
- Quick opening
- Compact

- With becket
- Quick opening
- 3/1 purchase
- Stainless steel

- Weight savings
- Compact
- Ease of installation (no drilling)
- Reduce mast compression

X

X

X

✓

✓

✓

✓

X

NEX

Flying sail furlers

ACCESSORIES

SWIVEL TACK POINT FOR SPINNAKER :

Spinnaker tack: available for Nex 4.0, 6.5 and 8.0, spinnaker tacks connect to the drum and allow you to furl asymmetric spinnakers top down.



STAINLESS STEEL AND ALUMINIUM THIMBLES

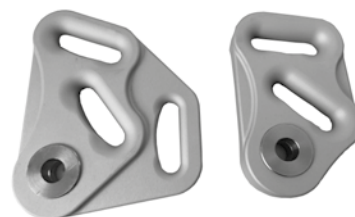
Available in stainless steel or aluminium, their form facilitates the positioning of the sail in the mechanism forks. Their cut-outs allow good positioning of the lashings avoiding excessive wear. Stainless steel thimbles are an economical solution. Aluminium thimbles provide performance and lightness; they are used for racing programmes.



CABLE-FREE THIMBLES

The cable-free thimbles aim at being installed on sails without furling cable. Their specific design enables the optimized furling and easy fitting of the webbings..

Available in 3 sizes for NEX2.5, 4.0, 6.5 and 8.0



ANTI-TORSION CABLE CLAMPS

For anti-torque cables (dia 9, 11, 13 and 15 mm)

- Can be used for gennaker with Marlow ProDrive +
- Can be used for asymmetric spinnakers with most of the anti-torque cables available on the market
- Material : Duplex grade stainless steel



ANTI-TORQUE CABLES :

Profurl offer anti-torque cables cut at length in various diameter

- Dynex Hampidjan cable - available in 9, 11, 13 and 15 diameter
- Cable Marlow ProDrive2 - available in 9, 11, 13 and 15 diameter



SPLICED FURLING LINES

Available in 8 and 10 mm diameter - From 12 to 26m

High quality spliced furling line offering higher product lifetime. Prevents the risk to be locked into the spool.





FLYING SAIL FURLER NEX 2.5 SPEED

The NEX2.5 SPEED is the Racing version of the NEX 2.5. It features the NEX 2.5 mechanisms, with a smaller spool diameter. It is the perfect unit for regatta and off-shore racers looking for enhanced manoeuvrability, performance and weight.

Why choose the NEX 2.5 SPEED?

- > Quick furling
- > Light and compact
- > Strength (working load: 2.5 tonnes)

User programme for the NEX2.5 SPEED

- > Sport boats
- > Single-hulled, type Figaro 3, L30, etc.
- > Foil catamarans type TF35, multi-hulled type GC32, etc.

Technical data for the NEX 2.5 SPEED

- > Working load: 2500 Kg
- > Sail surface area (light): 80 m²
- > Spool diameter : 150 mm
- > Spool weight : 0.785 Kg
- > Swivel weight : 0.312 Kg
- > Anti-torque cable dia : 8 mm



© Breschi

The NEX2.5 SPEED is not available as a ratchet version.

FLYING SAIL FURLER WITH DRUM

- > With a drum and a single furling line similar to manual headsail furler.
- > Economical system.
- > Easy to install on board

Contact us for more information



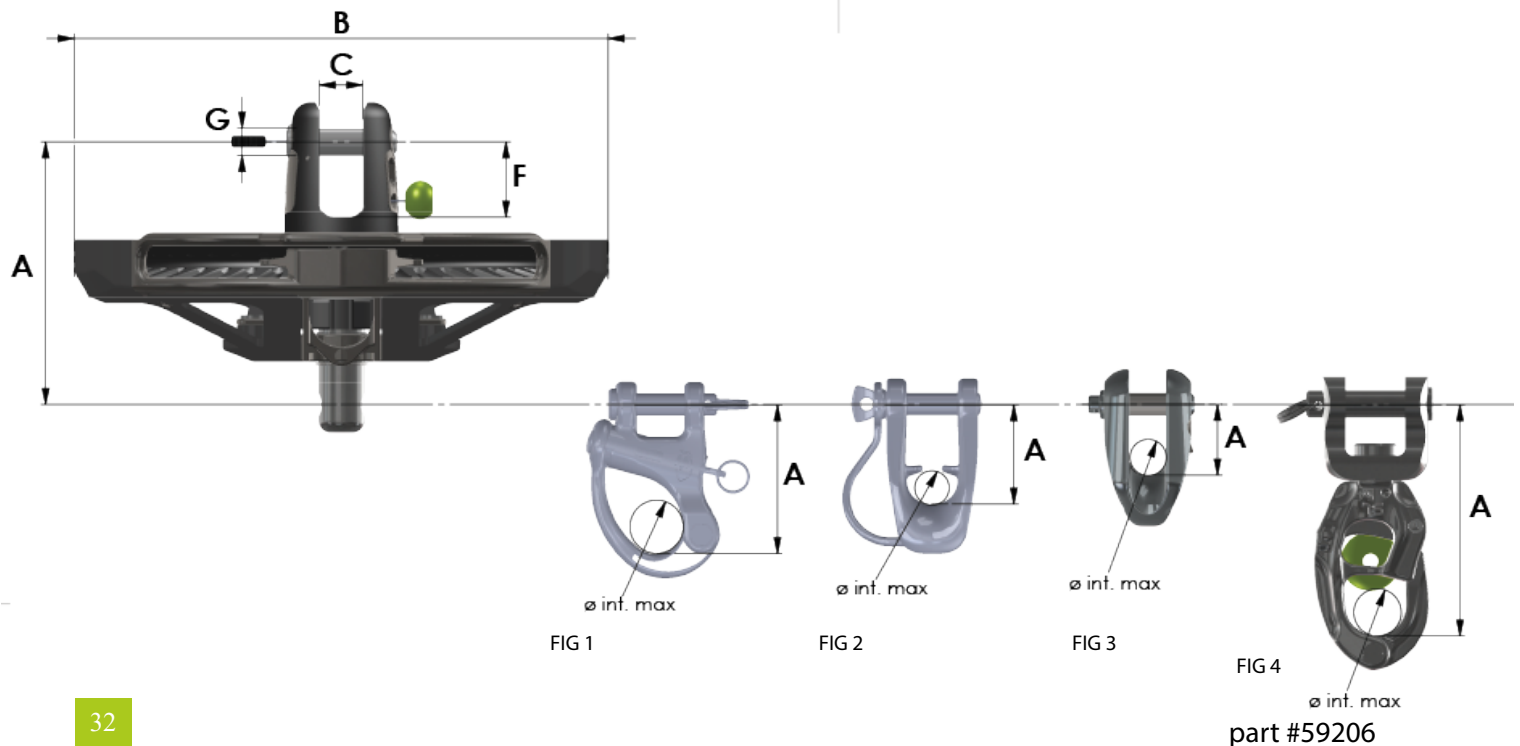
NEX

Flying sail furlers

TECHNICAL DATA

Technical data: spool	NEX 0.9	NEX 1.5	NEX 2.5 SPEED	NEX 2.5	NEX 4.0	NEX 6.5	NEX 8.0	NEX 12.0
Height pin to pin: A mm	74,1	81,1	97	100,2	115	126	137	166,5
Width drum mechanism: B mm	128	160	160	192	234	232	263	263
Width fork: C mm	12	15	18	18	19	25,1	25,1	25,1
Depth under pin: F mm	18	22	26	26	33	39	39	43
Ø pin G mm	8	8	10	10	12	14	14	18
Ø spool: mm	119	149	149	179	219	219	249	249
Ø continuous line mm	Ø8	Ø8	Ø8	Ø10	Ø10	Ø10	Ø10	Ø10
Weight: spool (only) Kg	0,380	0,540	0,312	0,995	1,490	1,730	2,440	3,198

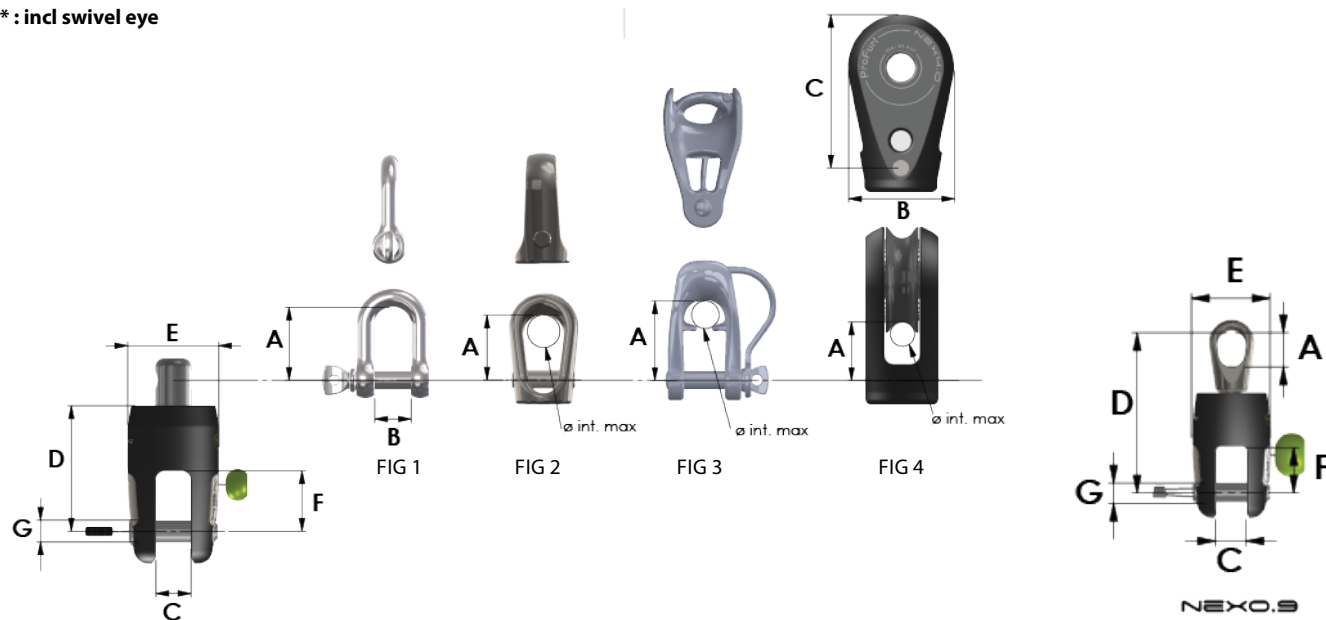
Technical data : Mount end piece	NEX 0.9	NEX 1.5	NEX 2.5 SPEED & NEX 2.5	NEX 4.0	NEX 6.5	NEX 8.0	NEX 12.0
Snap shackle : standard FIG 1 & FIG 4	Part # 54100	Part # 54100	Part # 54101	Part # 54102	Part #59206		
A : Height Axle-arm : (mm)	39,6	39,6	54	65	99,4	-	-
D : Max inner ø (mm)	16	16	21	26	25	-	-
Weight (kg)	0,054	0,054	0,130	0,257	0,27	-	-
MXEvo : halyard shackle FIG 2		MxEvo 6 - 11603	MxEvo 8 - 11604	MxEvo 10 - 11605			
A (mm)	-	32	35	43,5	-	-	-
D: Max inner ø (mm)	-	9	11	15	-	-	-
Weight (Kg)	-	0,053	0,109	0,022	-	-	-
Solidsheave 3:1: FIG 3		part# 55018	part# 54555	part# 54105	part# 54554	part# P598050	part# P591250
A (mm)	-	26,8	29	31	30,5	45,85	56,2
D: Max inner ø (mm)	-	10	12	16	15	23	25
Weight Kg	-	0,113	0,200	0,280	0,350	0,750	1,238



Technical data: swivel	NEX 0.9	NEX 1.5	NEX 2.5 SPEED & NEX 2.5	NEX 4.0	NEX 6.5	NEX 8.0	NEX 12.0
Height pin to pin: D mm	63,3	56,2	68,3	82,7	97,7	104,5	128
Width swivel: E mm	31	34	42	50	60	65	72
Width fork: C mm	12	15	18	19	25,1	25,1	25,1
Depth under pin: F mm	18	22	26	33	39	39	43
Ø pin G mm	8	8	10	12	14	14	18
Weight: swivel (only) Kg	0,110*	0,140	0,260	0,470	0,730	0,970	1,638
Max ø luff line mm	9	11	13	15	17	19	21

Technical data : Terminaisons swivel	NEX 0.9	NEX 1.5	NEX 2.5 SPEED & NEX 2.5	NEX 4.0	NEX 6.5	NEX 8.0	NEX 12.0
Wichard HR shackle: Fig 1		Part # 11203	Part # 11204	Part # 11205	Part # 11206	Part # 11207	Part # 11208
ø pin (mm)	-	6	8	10	12	14	16
A / B (mm)	-	24/12	32/16	40 / 20	48/24	56/28	64/32
Weight Kg	-	0,024	0,052	0,102	0,192	0,304	0,464
Eye: Fig 2	Standard	part #p591545	part #p592545	part #594045	part #p596545	part #p598045	part #59248
A (mm)	13,5	20	27,5	35,5	45,8	51,7	NC
D Inner ø. max (mm)	11	13	17	22	28	32	28
Weight (Kg)	0,018	0,034	0,078	0,142	0,287	0,429	1,675
MXEvo : halyard shackle Fig 3		MXEvo 6 part #11603	MXEvo 8 part #11604	MXEvo 10 part#11605			
A (mm)	-	32	35	43,5	-	-	-
D:ø int. max (mm)	-	9	11	15	-	-	-
Poids (kg)	-	0,053	0,109	0,222	-	-	-
Halyard block: Fig 4			part #P592530	part #P594030	part #P596530	part #P598030	part #P591230
A (mm)	-	-	24,5	32	38	48	52,5
Sheave ø : B (mm)	-	-	46,4	58	64	80	100
Height : C (mm)			66	84	96	120	142,5
D: Max Inner ø (mm)	-	-	10	14	16	18	22
Weight Kg	-	-	0,178	0,310	0,505	0,985	1,595

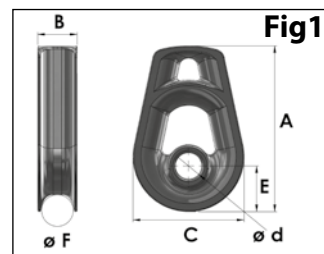
* : incl swivel eye



TECHNICAL DATA

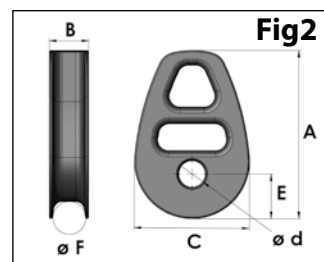
Stainless steel thimbles: Fig 1

	NEX 0.9	NEX 1.5	NEX 2.5 & NEX 2.5 SPEED	NEX 4.0	NEX 6.5	NEX 8.0	NEX 12.0
Part #	59164	59025	59026	59027	59028		
A (mm)	40	57	67,5	78	105		
B (mm)	11,5	14,5	17,5	18,5	24,8		
C (mm)	30	38	45	52	70		
ø d (mm)	8,3	8,3	10,3	12,3	14,3		
E (mm)	12	16	18,5	21,5	30		
ø F (mm)	9	11	13	15	20		
Weight Kg	0,030	0,073	0,126	0,190	0,382		



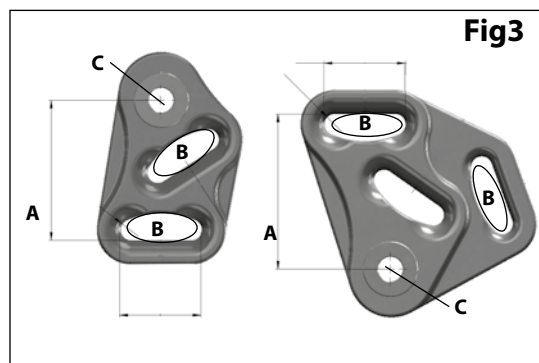
Aluminium thimbles: Fig 2

	NEX0.9	NEX 1.5	NEX 2.5 & NEX 2.5 SPEED	NEX4.0	NEX 6.5	NEX 8.0	NEX12.0
Part		59165	59166	59167	59168		
A (mm)	-	56	66,5	79	108		
B (mm)	-	14,5	17,5	18,5	24,8		
C (mm)	-	38	45	54	70		
ø d (mm)	-	8,3	10,3	12,3	14,3		
E (mm)	-	15	17,5	21	31,5		
ø F (mm)	-	11	13	15	19		
Weight Kg	-	0,032	0,054	0,074	0,190		



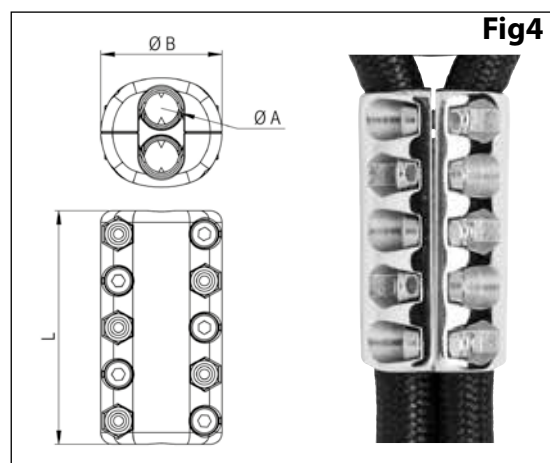
Cableless thimbles: Fig 3

		NEX 2.5 & NEX 2.5 SPEED	NEX 4.0	NEX 6.5	NEX 8.0
Top thimble	Part #	59210	59212	59214	
	A mm	45.50	63.50	81	
	B mm	22*7	27*7	47*12	
	C mm	10	12	14	
	Weight Kg	0.100	0.163	0.349	
Bottom thimble	Part #	59211	59213	59215	
	A mm	50.3	68.25	89.70	
	B mm	22*7	27*7	47*12	
	C mm	10	12	14	
	Weight Kg	0.107	0.177	0.484	



Cable clamps : Fig 4

	NEX 0.9	NEX 1.5	NEX 2.5
part #	7321	7322	7323
Cable size max mm	9	11	13
A mm	8.5	10	12
B mm	29	31	35
L mm	56	60	62
Weight Kg	0.169	0.198	0.243





SPINEX

TOP DOWN
SPINNAKER FURLER

Top down spinnaker furler

SPINEX

(Re)discover the joys of asymmetric spinnaker

SPINEX: overview

- > 4 models available: SPINEX 0.9, SPINEX 1.5, SPINEX 2.5, SPINEX 4.0
- > For boat lengths of 5 to 18 m and asymmetric spinnakers
- > Delivered as standard: anti-twist cable, end fittings, high-density spheres
- > SPIN KIT available separately, fits NEX furlers
- > Uses Profurl technology
- > Three-year Profurl international warranty
- > Patented system

Why choose Spinex

Easy to use, safe, efficient, adaptable

Using asymmetric spinnakers in some conditions can be dangerous. With the Spinex, you're going to rediscover the joys of this type of sailing because it allows you to:

- > Easily handle this type of sail (even short-handed)
- > Remain in the safety of the cockpit
- > Improve the performance of your sailing-boat by using downwind sails

Adaptable: One system for many uses

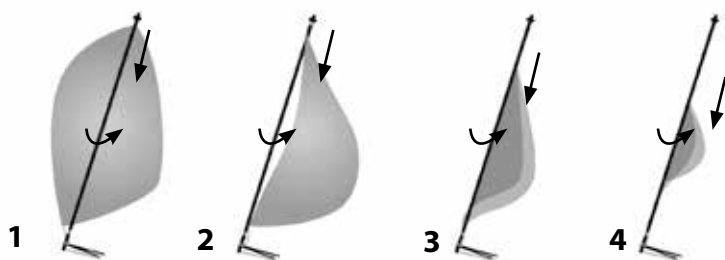
The Spinex can easily be converted into a NEX by removing the swivel tack from the drum and the end fittings, and then it can be used for sails like a gennaker or a code zero.



Top down furling

> When it comes to asymmetric spinnakers, top down furling is the best solution for bringing in your sail. The concept first appeared on maxi yachts before filtering down to more modestly-sized sailing-boats.

> Thanks to its swivel tack, the sail can be furled from the top downward to progressively stifle the sail without creating a jam.



**Download
the Spinex video**



Which sails ?

> The Spinex is designed to furl flying sails with a loose luff, such as asymmetrical spinnakers.

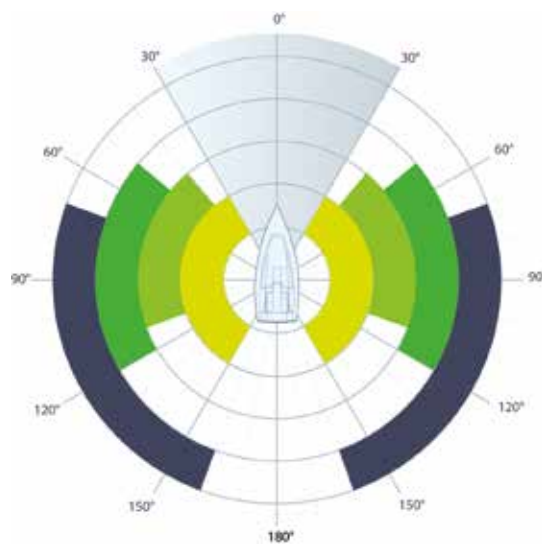
> Gennakers, code zeros, staysails and so on can be furled using a NEX furler (see page 24 of this catalogue).

SPINEX

Asymmetric spinnaker

NEX

Genoa / staysail
Code 0
Gennaker



Top down spinnaker furler

SPINEX



ADVANTAGES OF USING SPINEX

> SAIL BEARING TECHNOLOGY: EFFICIENT, RELIABLE FURLING

Problem: Because asymmetric spinnaker cloth is both light and fragile, the anti-twist cable has a tendency to damage it. Also, the cable spins faster than the sail during furling which means the latter sometimes jams.

Profurl solution: Sail Bearing Technology comprises high-density spheres that spin freely around the anti-twist cable in order to protect the sail from the cable. Sail Bearing Technology allows you to:

- keep the sail away from the cable
- stop reverse furling, which causes the sail to jam
- reduce wear of the sailcloth
- make furling easier and faster because it has a greater diameter than the cable on its own

> A COMPLETE SYSTEM READY TO USE

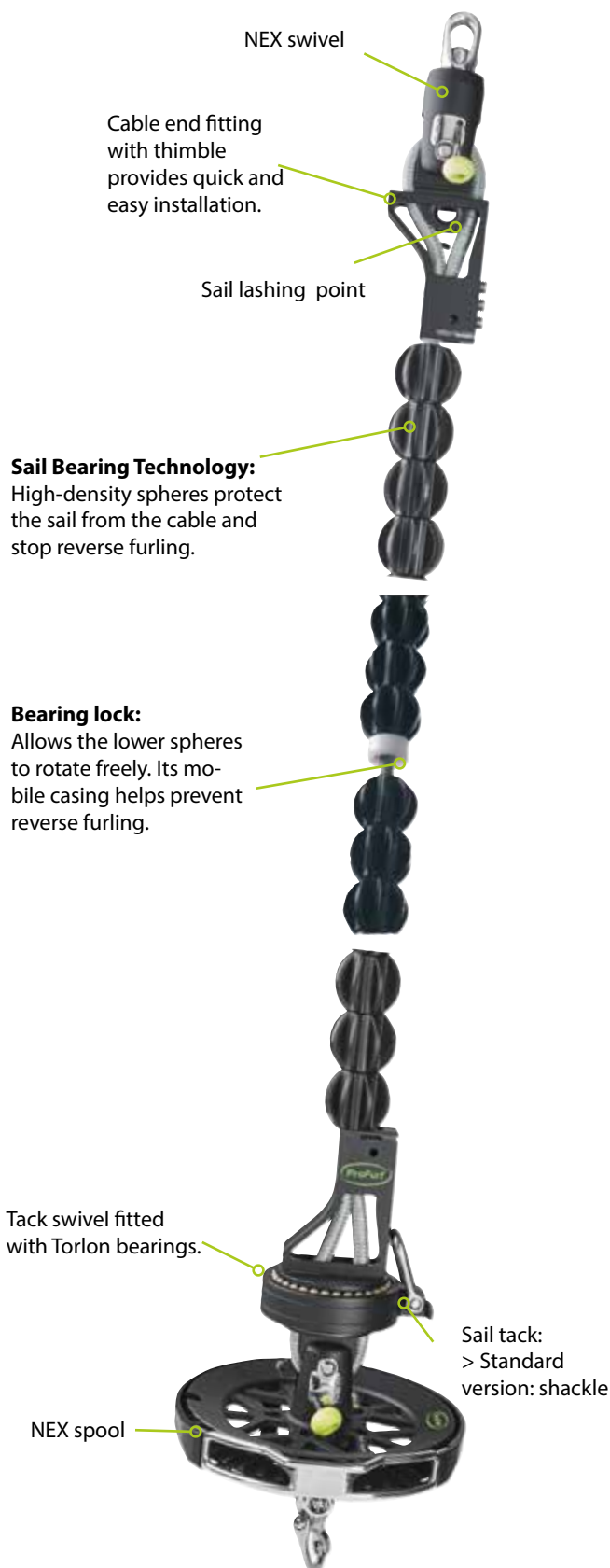
- SPINEX comes with drum, swivel, cable, end fittings, tack swivel, etc.
- Except for the length of the cable, SPINEX is ready to fit and ready to use out of the box.

> MULTI-PURPOSE AND ADAPTABLE

- Remove the tack swivel and turn your SPINEX into a NEX ready to use with gennakers and code zeros.
- Profurl's SPIN KIT fits on NEX furlers.

> OTHER ADVANTAGES:

- Compatible with NEX technology, such as I-Connect, Safe System, etc.
- Improved safety when worked from the cockpit or short-handed.
- Requires little storage space.
- System compatible with all types of asymmetric spinnakers.



CHOOSE THE RIGHT SPINEX FOR YOU (5–18 M BOATS):

	SPINEX 0.9	SPINEX 1.5	SPINEX 2.5	SPINEX 4.0
Boat length (not contractual)	up to 9 m	up to 11 m	up to 14 m	up to 18 m
Sail area recommended	up to 50 m ²	up to 80 m ²	up to 130 m ²	up to 250 m ²
Maximum working load	900 Kg	1500 Kg	2500 Kg	5000 Kg
Spool diameter	120 mm	150 mm	180 mm	220 mm
Lower end fitting	Clevis pin snap shackle			
Upper end fitting	D shackle			
Anti-twist cable Ø	9.5 mm	9.5 mm	12.7 mm	12.7 mm
Cable length delivered as standard	14 m	17 m	20 m	25 m
Weight of cable & spheres per m	0.450 Kg / m	0.450 Kg / m	0.460 Kg / m	0.460Kg / m

*: The working loads shown are the maximum working loads of the mechanisms (spool and swivel) only and are not the loads of the complete system when terminals are included. The product should not be used above these working loads in any circumstances.

SPINEX: content



Are you already using a Profurl NEX furler and want to furl your asymmetric spinnaker? Get the SPIN KIT!

Use Profurl's SPIN KIT to turn NEX furlers into asymmetric spinnaker furlers. SPIN KIT includes anti-twist cable, spheres, and upper and lower end fittings.

	SPIN 0.9	SPIN 1.5	SPIN 2.5	SPIN 4.0
Boat length (not contractual)	up to 9 m	up to 11 m	up to 14 m	up to 18 m
Part #NEX	NEX 0.9	NEX 1.5	NEX 2.5	NEX 4.0
Cable length delivered as standard	14 m	17 m	20 m	25 m

Top down spinnaker furler

SPINEX

ADVICES FOR USING THE SPINEX

1st time:

> When setting for the first time, we recommend you do this in light winds. Check all halyard and sheet leads.

Furling:

> Tension must be applied to anti-twist cable by hauling on the halyard. It should be taut and stable. Be careful not to apply excessive tension, especially when you use an electric winch.

Direction of furling:

> As the anti-twist cable is a shape-memory component, we recommend you always furl your sail in the same direction to facilitate handling.

Wind angles:

> When unfurling the sail, stay within an apparent angle of between 90 and 120 degrees to help setting.

When furling, the apparent angle must be within 150 and 160 degrees (with the mainsail set to the head of the mast).



INSTALLATION ADVICES

Fig 1.1

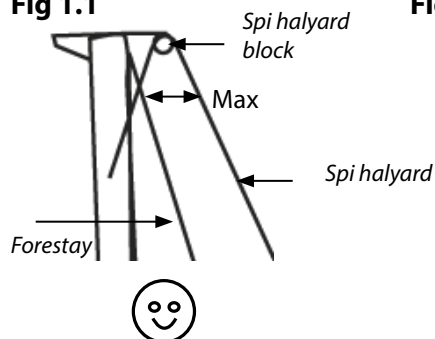


Fig 1.2.

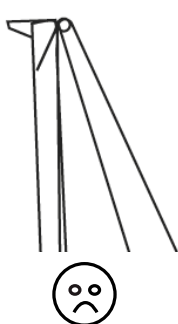


Fig 2.1.

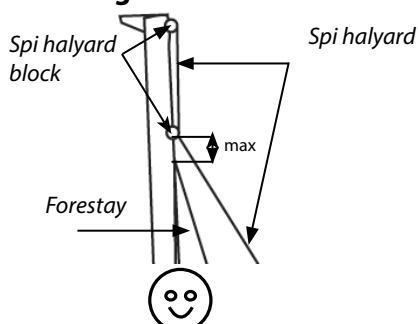


Fig 2.2

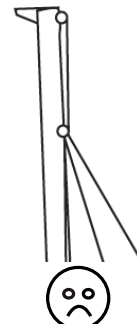


Fig 3.1



Fig 3.2.



Fig 4.1

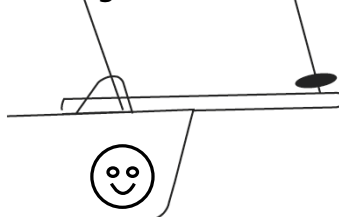
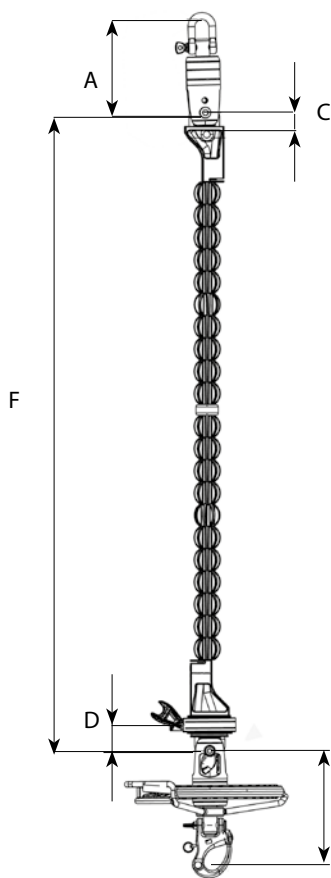


Fig 4.2.



Technical data: SPINEX



Technical data for mechanism		SPINEX 0.9	SPINEX 1.5	SPINEX 2.5	SPINEX 4.0
	A mm	63.30	80.20	100.30	122.70
	C mm	32	32	48	50
	D mm	32	32	48	50
	E mm	115.70	120.40	153.70	180.00
	F mm: +/- 20 mm	13640	16640	19480	24480
	Ø spool: mm	120 mm	150 mm	180 mm	220 mm
	Ø furling line mm	8	10	10	10
	Ø anti-twist cable mm	9.5 mm	9.5 mm	12.7 mm	12.7 mm
	Weight: spool (only) Kg	0.380	0.540	0.995	1.490
	Weight: tack swivel, lower end fitting and thimble Kg	0.390	0.395	0.645	0.640
	Weight: swivel (only) Kg	0.10	0.140	0.260	0.470
	Weight upper terminal and thimble Kg	0.110	0.115	0.290	0.285

Technical data: thimbles		SPINEX 0.9	SPINEX 1.5	SPINEX 2.5	SPINEX 4.0
	A mm	11	14	17	18
	B mm	31.5	31.5	42	42
	Ø C mm	10	10	14	14
	D mm	10.50	10.50	12	16

