



FLYING SAIL FURLERS

NEX : The new generation of flying sail furlers from Profurl

Fast, safe and easy flying sail hoisting, and improved boat performance: this is what Profurl offers you with its range of **NEX** flying sail furlers.



Flying sail furlers

NEX GENERATION:

THE FLYING-SAIL FURLER FOR EVERY SAILOR

Discover the NEX, Profurl's new generation of continuous-line, flying-sail furlers, developed through Profurl's know-how and R&D with input from some of today's greatest skippers to improve the performance of your yacht and ensure safe, optimum deployment of your flying sails.

The NEX flying-sail furler enables you to sail with the correct sail fully deployed, and since it is easy to change, you can have the best sail in any wind conditions. The NEX is made for every sailor, professional or amateur.

NEX: models

- > 6 models available for boats from 6 to 25m: NEX0.9, NEX1.5, NEX2.5, NEX5.0, NEX 8.0 and NEX 12.0
- > Optimal size and weight
- > Wide range of terminals to fit your boat: Wichard snap shackle, MX (Wichard halyard shackle), standard shackles, 2:1 halyard blocks
- > Proven Profurl Technology: maintenance free systems permanently sealed in grease (except the NEX0.9)
- > Selective materials: for optimal strength/weight ratio
- > 3 year world-wide limited warranty

NEX 0.9



NEX 1.5



NEX 2.5



NEX 5.0



NEX 8.0



NEX 12.0



+ Mechanisms in titanium



Benefits of NEX flying sail furlers

Improved performance

- > Allows use of the best suited sail to sailing conditions
- > Optimal size and weight (e.g., maximum sail luff)

Ease of use and safety

- > Quick operations (rigged in seconds)
- > Enhanced safety: sail furled from cockpit
- > Reduced sails storage
- > Quick sail attachment device (I-Connect)
- > Quick line installation and removal (Quick Fit)

Types of sails

The flying-sail furler is designed to be used with light and heavy flying, asymmetrical sails, e.g., gennaker and code zero, between a beam reach and a broad reach.

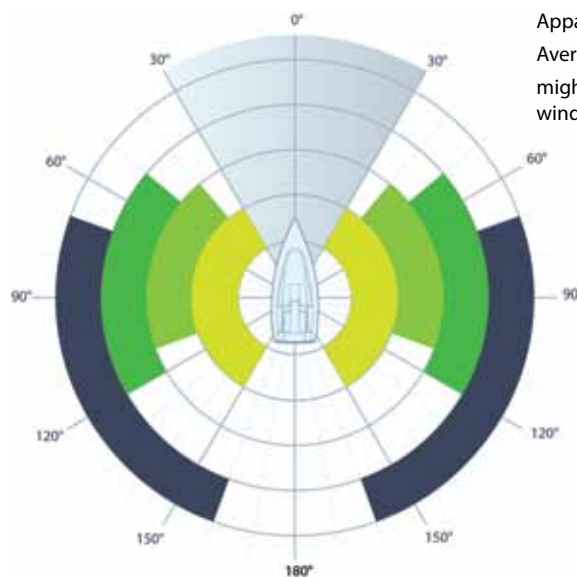
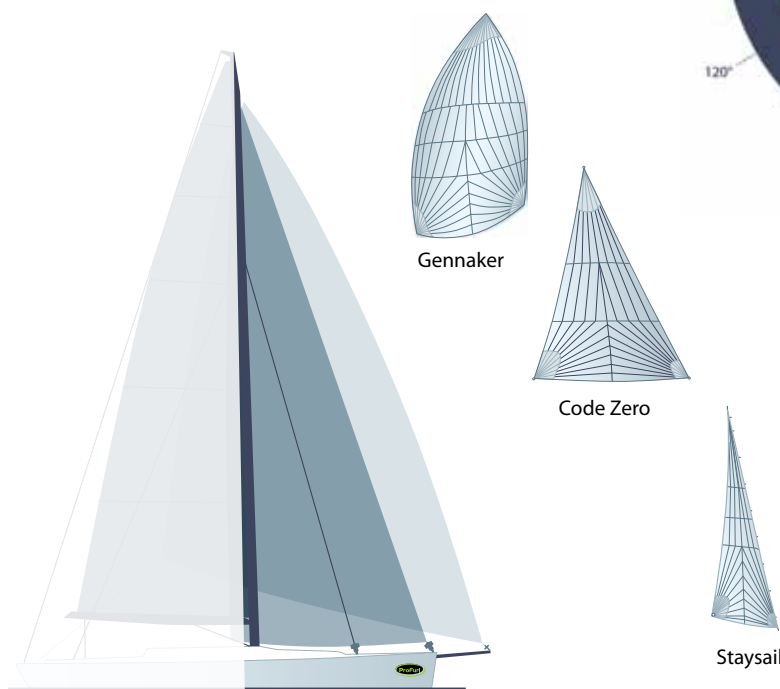
Light sails

- > Gennaker, code zero, screacher, light or mutlipurpose genoas, fisherman.

Heavy sails

- > Solent, reacher, staysail, storm jib
- > Combined with a 2:1 purchase, NEX is an efficient alternative to a removable stainless steel forestay.

NEX: Sail range of use



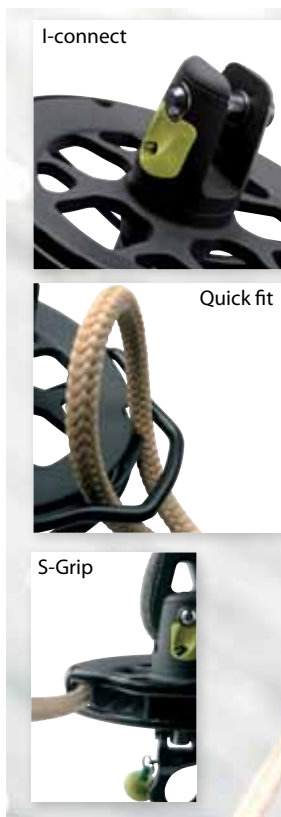
Apparent wind - Average values - might change with wind force

Tips:

- > To furl the sail effectively and without effort, it is recommended to tension the halyard before the operation.
- > The NEX flying sail furlers do not require any maintenance.

*The flying sail furlers can not be used with asymmetric spinnakers.

Flying sail furlers



Performance

S-GRIP: Better line grip

The special groove design, allowing for deformation of the line, ensures:

- better line grip, even when wet!
- easier furling
- minimum line wear



OPTIMAL FURLING: Furl without effort

The optimal spool diameter provides ideal torque, which:

- makes furling easier
- reduces effort



XTRA-LIGHT SYSTEMS: Lightness first

The size and weight of each component (spool, swivel, and terminals) have been optimised to:

- improve sailing performance
- ensure easier handling of the systems



Safety

SAFE SYSTEM: Removable Line

The SAFE SYSTEM enables you to stop the furling line running during sail deployment and thus:

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

Easy to use

I-CONNECT: The Quick Sail Attachment Device

Available on NEX spools and swivels, enables you to quickly attach or remove the sails because of:

- a quick, ergonomic system (for singled handed operation)
- a fully integrated captive pin
- no risk of fouling with adjacent lines

QUICK FIT: Line Fitting

Enables you to fit or unfit the continuous line rapidly.

- rapid fitting
- long splicing possible
- the furling line may be left in position on deck
- furlers can be changed without changing the line

TUNE & LOCK: Adjustment and installation

The system is fitted and adjusted with a single screw:

- adapts to the line outlet and deck layout
- reduction of excessive line friction
- quick installation with only one pre-fitted screw

Flying sail furlers

CHOOSE YOUR NEX AMONG 4 MODELS FOR BOATS FROM 6 TO 18M

	NEX 0.9	NEX 1.5	NEX 2.5	NEX 5.0
Max light sail area (i.e: gennaker)*	35 m ²	60 m ²	80 m ²	150 m ²
Max Working Load**	900 Kg	1500 Kg	2500 Kg	5000 Kg
Spool Diameter	125 mm	140 mm	180 mm	195 mm
Displacement (cruising boat)*	2800 Kg	5000 Kg	8500 Kg	15000 Kg
Examples for a monohull*	Mini 6.50 - Cruising boat 27'	Cruising boat 32'	Cruising boat 42'	Cruising boat 55'

If used on a multihull or for a heavy sail (on monohull), please choose the larger model .

*: 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 (see technical data on page 70). The product should not be used above these working loads in any circumstances.

TERMINALS AND ACCESSORIES

	NEX 0.9	NEX 1.5	NEX 2.5	NEX 5.0
Lower terminals on drum mechanism				
Clevis pin snap shackle	included	included	included	included
MX: halyard shackle	option (MX6)	option (MX6)	option (MX8)	option (MX10)
Upper terminals on swivel				
MX: halyard shackle	option (MX6)	option (MX6)	included (MX8)	included (MX10)
Wichard shackle	included	included	option (part # 11204)	option (part # 11205)
Halyard block	option			
Accessories				
Thimbles	option: stainless steel thimbles with bar		option: aluminium thimbles	
Furling line	option			
Anti-twist torque rope	option			



Components of NEX flying sail furlers

The NEX flying-sail furlers are composed of 2 mechanisms, the spool and swivel, each with terminals allowing for fitting or use. An anti-twist torque rope which transmits the rotation up to the head of the sail is fitted inside the luff of the sail supplied by the sailmaker.

Spool and swivel



Fitting terminals



Clevis pin snap shackle:
lower terminal



MX: halyard shackle
lower and upper
terminal



HR Wichard
shackle

Profurl innovative terminal solutions by Wichard

Profurl supplies innovative terminals: easy to use and with optimal sizes and weight. Wichard's forging expertise ensures that these terminals, especially developed for NEX, provide one of the best strength to weight ratios on the market.

> MX: Wichard halyard shackle



- Included on NEX 2.5 and NEX 5.0 models
- Reduces mast compression
- Optimal dimensions and weights
- Replaces standard halyard blocks
- Can be used as 2:1 purchase on drum mechanism
- Can be used as a simple shackle (with a single knot)
- Perfect for swivels and spools
- Outstanding working and breaking loads
- Fully forged in 17/4 stainless steel for High Resistance
- 3 sizes available: MX6, MX8 and MX10 – for lines from 8 to 14 mm



> Wichard Clevis Pin Snap Shackle



- Included on all models
- Ergonomic ball stoppers for easier handling
- Optimal sizes and weights (no intermediate fittings)
- Forged in 17/4 stainless steel for High Resistance, with a black surface coating
- Outstanding working and breaking loads

> Aluminium thimble / Stainless steel thimble



Leggero L8



Flying sail furlers

**YACHTS, MAXI-YACHTS,
RACING BOATS, MAXI CATAMARANS:
CHOOSE NEX 8.0 AND NEX 12.0 FURLERS**



70' Maxi Catamaran - Roleeno - built by Sunreef - fitted with Profurl

NEX 12.0

For gennakers up to 350 m²



+

Titanium parts



80' Maxi Trimaran - Prince de Bretagne

NEX 8.0

For gennakers up to 250 m²



**NEX 16.0, NEX 20.
NEX 25.0, NEX 30.0...**
Larger sizes available on request

DRUM VERSION ALSO AVAILABLE





Benefits of the NEX 8.0 and 12.0 Ideal for solo or short-handed sailing

NEX 8.0 and 12.0 furlers are specially designed to optimize the weight and size of their moving parts, in particular the spool whose increased diameter means you get a system which is:

- > Easy to use when furling and setting
- > Easy to handle
- > Incredibly efficient

NEX 8.0 - NEX 12.0 STANDARD RANGE

	NEX 8.0	NEX 12.0
Max light sail area (i.e gennaker)	250 m ²	350 m ²
Max working load**	8000 Kg	12.000 Kg
Spool diameter	200 m	230 m
Boat examples	Multihull 60'	+ 80'

ASSEMBLY OPTIONS:

For the models NEX 8.0 and NEX 12.0, Profurl offers a wide range of tack and head fittings to ensure seamless integration into your rig.

	NEX 8.0	NEX 12.0
Lower terminals		
Eye	As standard	
Trigger snap shackle T30	Yes	NA
Lashing eye	Yes	Yes
Hardsheave	Yes	Yes
Block	Yes	Yes
Upper terminals		
Lashing eye	As standard	
Halyard block	As standard	

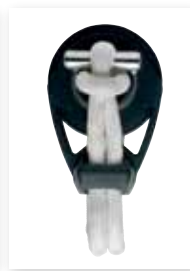
Standard terminals



Eye



Lashing eye



Halyard block

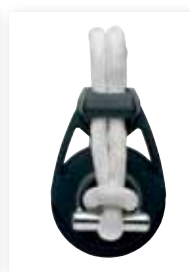
Other terminals available



Trigger snapshackle



Hardsheave



Halyard block

Option on demand

- > Hooks,
- > Furling line
- > Furling line with blocks or rings

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Flying sail furlers



EC 1500

EC MODELS: FLYING SAIL FURLERS WITH DRUM

- > With a drum and a single furling line similar to manual headsail furler.
- > Economical system.
- > Wide choice of attachments (snap shackle, large eye...).
- > New: black anodised mechanisms

	EC 1500	EC 2500	EC 4000	EC 6000	EC 12000
Max Working Load*	1500 Kg	2500 Kg	4000 Kg	6000 Kg	12000 Kg
Boat size if light sails*	36'	42'	55'	70'	120'
Boat size if heavy sails*	35'	38'	50'	60'	70'
Average sail area*	35 m ²	45-50 m ²	80 m ²	140 m ²	260 m ²

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

Fitting options for EC models

	EC 1500	EC 2500	EC 4000	EC 6000	EC 12000
Terminal on anti twist luff rope	Eye / standard thimble	Eye / standard thimble	Eye / standard thimble	Eye / standard thimble	Eye / standard thimble
Upper terminal on swivel	Large eye	Eye or block	Eye or block	Eye or block	Shackle
Lower drum attachment	Large eye	Large eye	Snap shackle	Large eye / block	Double jaw toggle

Frequently asked questions: flying sail furlers

Does my flying sail furler require maintenance?

No, the drum mechanism and swivel are sealed in a grease bath, no maintenance is required.

Is my flying sail furler structural?

No they are the opposite of a structural furler or manual headsail furler, flying sail furlers are not structural and are therefore removable

Can I sail with my sail partially furled?

No the flying sail furlers are made to sail with the sail fully unfurled.

Where can I buy an anti twist "Torque" rope?

Rope manufacturers, riggers, and sailmakers usually sell this kind of product. Profurl is also able to provide this product. Contact us.

Can I use my current sails?

Yes, however a sailmaker must integrate the anti twist cable into the luff of the sail.

Is the storage of sail optimized?

Yes, once the sail is furled and dropped, the storage is optimized. The sail can also be stored onto the deck or along the mast.

I am not a professional skipper; can I use this kind of furlers?

The flying sails furlers are dedicated to anybody willing to improve the performances of his boat (professional skippers but also sailor's keen on cruising).

Is my PROFURL flying sail furler under warranty?

Yes, the flying sail furlers benefit from a 3 year world wide warranty.

See comparison table on page 7