



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

- 4 models available: NEX0.9, NEX1.5, NEX2.5, NEX5.0
- For boats from 6 to 18m
- 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

Four models for boats from 6 to 18m

NEX 0.9



NEX 1.5



NEX 2.5



NEX 5.0





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.

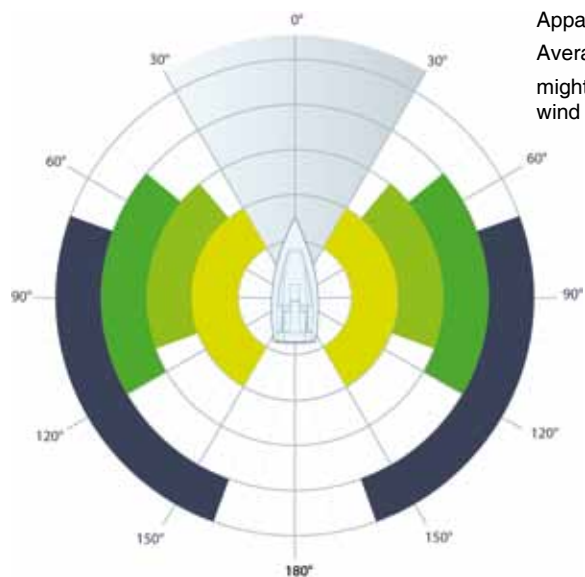
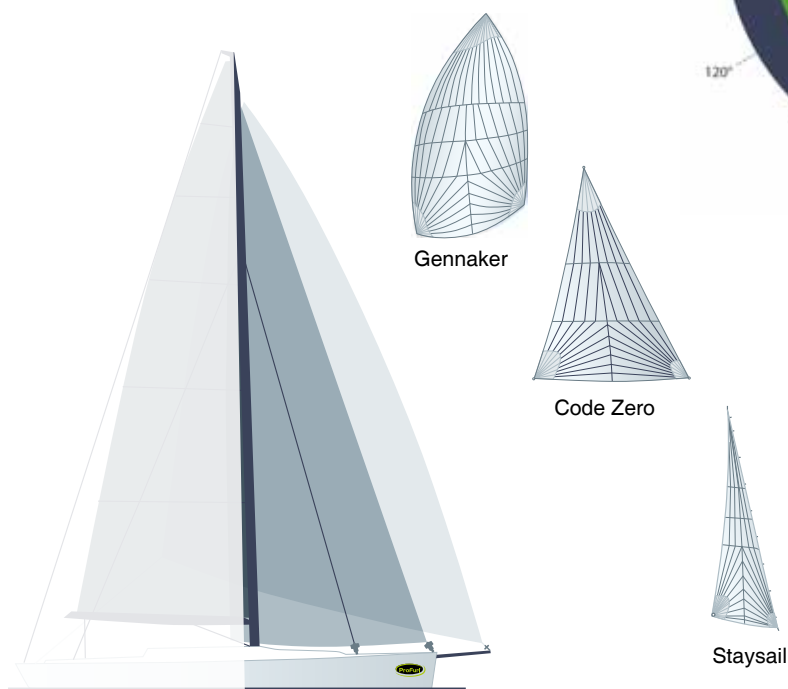
Light sails

- 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



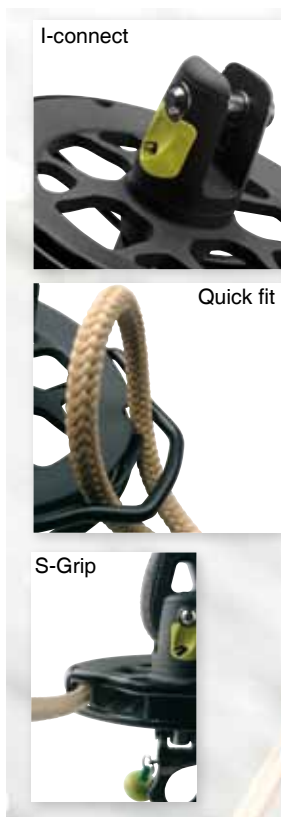
Apparent wind - Average values - might change with wind force

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

Already standard on previous models, The SAFE SYSTEM enables you to stop the running of the furling line during deployment of sail and thus:

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

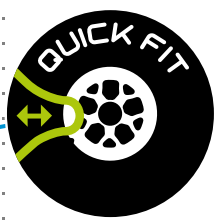


Easy to use

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

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

Larger models are available : NEC 10, 12T, 16T, 20T, 30T for boats up to 100 ft. Contact us.

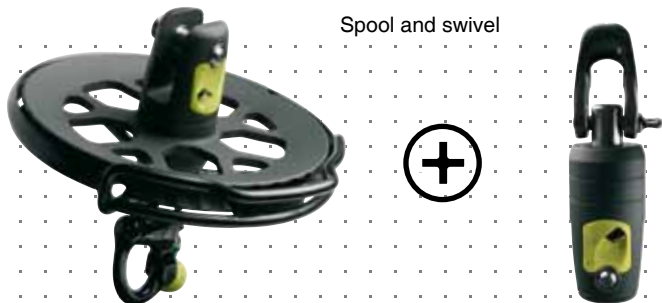
*: The values shown in the table are for information only and should be verified by a professional taking into account the characteristics of the boat.

** 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 53). The product should not be used above these working loads in any circumstances.

Components of NEX flying sail furlers

The NEX flying-sail furler is 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





TERMINALS AND ACCESSORIES

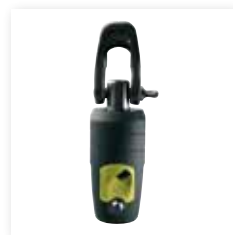
	NEX 0.9	NEX 1.5	NEX 2.5	NEX 5.0
Lower terminals on drum mechanism				
Clevis pin snap shackle	included	included	included	included
MX: halyard shackle	option (MX6)	option (MX6)	option (MX8)	option (MX10)
Upper terminals on swivel				
MX: halyard shackle	option (MX6)	option (MX6)	included (MX8)	included (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			

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 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

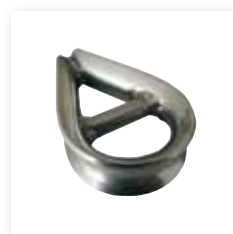


→ Wichard Clevis Pin Snap Shackle

- 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



Flying sail furlers



EC 4000

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...).

	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 head-sail furler, the 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.