



English - 2022



Credit photo: Simon DELVOYE

# FURLING SYSTEMS

[profurl.com](http://profurl.com)





Imoca 60' Bureau Vallée  
Fully geared with Profurl  
stayfurlers, flying sail furlers  
and swivel hooks



**NEX**  
STRUCTURAL  
STAYFURLERS

# Stayfurlers:

**NEX**  
STRUCTURAL

## NEX STR STAYFURLER: SAIL ANOTHER WAY!

Are you hard to please, especially when you want to sail another way?  
If you're looking for a safe, powerful and easy to use solution, then  
Profurl's NEX STR stayfurler is for you!



## Stayfurlers for everyone

> Initially reserved for the sailing elite (60' open, ORMA multihulls), stayfurlers are becoming increasingly common on a variety of sailing boats:

- Cruisers
- Racers
- Regatta boats & one-designs
- Day boats

> Compatible sail types: genoa, staysail and solent jib.



## NEX STR overview:

- > 5 standard models available: NEX STR 4.0, 5.0, 8.0, 10.0 and 12.0
- > Upper size models available on request: NEX STR 16.0, 20.0, 30.0 and 40.0
- > Optimal size and weight for a great performance
- > Various end fittings available for every kind of deck layout
- > The greased-immersed systems are watertight and require no maintenance.
- > 3 year Profurl worldwide warranty

## Why using a NEX STR stayfurler?

### IMPROVE THE PERFORMANCE OF YOUR SAILING BOAT

- > Replacing aluminium extrusions with Kevlar or PBO fiber cables significantly reduces weight (see below).
- > Optimizing the size and weight of the mechanisms maximizes luff and reduces weight considerably.

### SAFE, EASY TO USE AND COMFORTABLE

- > The SMART LOCK system enables locking the cable and prevents accidental dismantling without hindering the pin rotation. Entirely integrated into the stayfurler mechanism, the system also prevents adjacent lines from jamming. Available in fork versions.
- > The SAFE SYSTEM on NEX STR stayfurlers allows you to immobilize the furling line when unfurling, thus avoiding accidents and injuries
- > All furling and unfurling are done from the cockpit.
- > The overall weight reduction improves both safety and comfort when sailing.

## Example: installing a NEX STR 4.0 stayfurler on the RM 1060 Performance built by Fora Marine.

### Total overall weight (in Kg)

0 to 10 Kg

**STAYFURLER NEX STR 4.0  
WITH FIBER CABLE  
TOTAL WEIGHT: 7,5 KG**

10 to 25 Kg

**MANUAL FURLER  
WITH ROD STAY:  
TOTAL WEIGHT: 22,10 KG**

25 to 40 Kg

**MANUAL FURLER WITH 1X19  
STAINLESS STEEL WIRE  
TOTAL WEIGHT: 26,90 KG**

Weight reduction  
between 66 and 74%  
**WEIGHT REDUCTION**  
=  
**INCREASED SAFETY  
AND PERFORMANCE**

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## Performance

### S-GRIP: Better line grip

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

- better line grip, even 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 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



### SMART LOCK:

Wire lock (only on fork models)

- Wire locking system completely integrated into the drum mechanism
- No need to use a lanyard.
- No risk of jamming caused by adjacent lines.
- Keeps the pin free to turn (no strain).
- Locking indicator on the pin.





## NEX STR MODELS AVAILABLE AS STANDARD

	NEX STR 4.0	NEX STR 5.0	NEX STR 8.0	NEX STR 10.0	NEX STR 12.0
<b>Working load</b>	4T	5T	8T	10T	12T
<b>Examples</b>	RM 1060	Class 40	RM 1350	50'	Open 60'
<b>Fiber cable terminals</b>	Biconic end fittings (Navtec)	Biconic end fittings or thimbles			
<b>Lower mechanism</b>	Spool		Spool or drum		
<b>Swivel terminals</b>	Eye or lashing eye				
<b>Lower mechanism terminals</b>	Eye, lashing eye or purchase 4:1				

Find out page 56 how to select the right model adapted to your boat



NEX STR 5.0 stayfurler



NEX STR 20 stayfurler on 80' catamaran - Magic Cat - Fitting Atelier Gréement



Stayfurler NEX STR 12.0 -

## NEX STR CUSTOM RANGE AVAILABLE ON DEMAND




























	NEX STR 16.0	NEX STR 20.0	NEX STR 30.0	NEX STR 40.0
<b>Working load</b>	16T	20T	30T	40T
<b>Examples</b>	70'	80'	100' (IDEC Sport)	130' (Spindrift)

40T Stayfurler for staysail



# Stayfurlers:

## NEX STRUCTURAL

Choose your standard stayfurler model	Coding	Advice																											
<p>1 What is your cable made of and what is its diameter?</p> <table border="1"> <thead> <tr> <th colspan="2">Stainless steel wire</th> <th>Fiber cable</th> <th rowspan="2">Model size that corresponds to the cable</th> </tr> <tr> <th>1 x 19 mm</th> <th>Rod</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>8</td> <td># 10</td> <td>9T - 14T</td> <td>NEX STR 4.0</td> </tr> <tr> <td>10</td> <td># 17</td> <td>14T</td> <td>NEX STR 5.0</td> </tr> <tr> <td>12</td> <td># 22</td> <td>19T</td> <td>NEX STR 8.0</td> </tr> <tr> <td>14</td> <td># 30</td> <td>24T</td> <td>NEX STR 10.0</td> </tr> <tr> <td>16)</td> <td># 40</td> <td>30T</td> <td>NEX STR 12.0</td> </tr> </tbody> </table>	Stainless steel wire		Fiber cable	Model size that corresponds to the cable	1 x 19 mm	Rod	Size	8	# 10	9T - 14T	NEX STR 4.0	10	# 17	14T	NEX STR 5.0	12	# 22	19T	NEX STR 8.0	14	# 30	24T	NEX STR 10.0	16)	# 40	30T	NEX STR 12.0	<p><b><u>NEX STR 5.0</u></b></p>	<ul style="list-style-type: none"> <li>To get the right stayfurler, we need to know what stainless steel wire is recommended by the boatyard or the architect.</li> <li>Example: for a 10 mm diameter 1x19 wire, the equivalent fiber cable must have a breaking load of 14 tonnes. Thus, the appropriate model is the NEX STR 5.0.</li> </ul>
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<p>2 What is the chosen type of cable? Mark F or N</p> <table border="1"> <tr> <td>Thimble: F </td> <td>Biconic (Navtec): N </td> </tr> </table>	Thimble: F 	Biconic (Navtec): N 	<p><b><u>NEX STR 5.0 - N</u></b></p>	<ul style="list-style-type: none"> <li>Cables with thimbles are installed on fork mechanisms.</li> <li>Biconic end fittings (e.g. Navtec) are installed on threaded mechanisms.</li> </ul>																									
Thimble: F 	Biconic (Navtec): N 																												
<p>3 What type of drum do you want? - Mark S or D</p> <table border="1"> <tr> <td>Spool: S </td> <td>Drum: D </td> </tr> </table>	Spool: S 	Drum: D 	<p><b><u>NEX STR 5.0 - NS</u></b> ↑</p>	<ul style="list-style-type: none"> <li>The spool version provides optimal sail luff and is used in conjunction with a continuous furling line.</li> <li>The drum version can be simply fitted to the deck and uses a classic furling line (1 strand).</li> </ul>																									
Spool: S 	Drum: D 																												
<p>4 What are the deck terminals? - Mark E, L or P</p> <table border="1"> <tr> <td>Eye: E </td> <td>Lashing eye: L </td> <td>Purchase: P </td> </tr> </table>	Eye: E 	Lashing eye: L 	Purchase: P 	<p><b><u>NEX STR 5.0 - NSE</u></b> ↑</p>	<ul style="list-style-type: none"> <li>Eye end fitting: Fitted with a toggle for classic metal fittings.</li> <li>Lashing eye end fitting: a light and performance-enhancing solution. Fitted with a loop to make a light anchoring point</li> <li>The friction purchase allows the stay to be adjusted from below. 4:1 Adjustments. Loop may be fastened.</li> </ul>																								
Eye: E 	Lashing eye: L 	Purchase: P 																											
<p>5 What are the mast terminals? - Mark E or L</p> <table border="1"> <tr> <td>Eye: E </td> <td>Lashing eye: L </td> </tr> </table>	Eye: E 	Lashing eye: L 	<p><b><u>NEX STR 5.0 - NSEE</u></b> ↑</p>	<ul style="list-style-type: none"> <li>Eye end fitting: a simple and reliable solution for fitting the swivel to the mast. Fitted with a toggle for classic metal fittings.</li> <li>Lashing eye end fitting: a light and performance-enhancing solution. Fitted with a loop to make a light anchoring point</li> </ul>																									
Eye: E 	Lashing eye: L 																												
<p><b>Part number of the complete stayfurler</b></p>	<p><b><u>NEX STR 5.0 - NSEE</u></b></p>																												

See comparison table on page 8

# PROFURL DISTRIBUTORS PER COUNTRY

Country	Name	Zip code	Town	Area code	Phone	E-mail
Australia	Wichard Pacific Pty Ltd	NSW 2044	St Peters	61	295 160 677	info@wichard.com.au
Azores	Boat & Sailservice	9500-771	Sao Miguel	351	963925707	boatsailservice@gmx.net
Azores	Mid Atlantic Yacht Services	9900-114	Horta	351	292 391 616	mays@mail.telepac.pt
Belgium	Elvstrom Sails Benelux	2000	Antwerpen	32	0 495707870	info@elvstromsails.be
Belgium	Plaisance Diffusion	1030	Bruxelles	32	0 2 216 79 34	info@plaisance.be
Belgium	Technique Voile	4432	Alleur	32	0 42 63 4041	info@technique-voile.be
Belgium	West Diep Yachting Center	8620	Nieuwpoort	32	0 58 23 40 61	info@westdiep.com
Belgium	Wittevrongel Sails BV	8370	Blankenberge	32	04 96 28 45 75	ian@wittevrongel.be
Belgium	Wittevrongel Rigging	8370	Blankenberge	32	04 96 28 45 76	steve@wittevrongel.be
Brazil	Rio Sail Tech	22290-240	Rio de Janeiro	55	254 202 33	contato@riosailtech.com.br
Canada	WPG Canada	JOB 3G0	Stoke (Québec)	1	819 878 30 18	info@wichard.ca
Canary islands	Nordest	38370	La Matanza Tenerife	34	922 577 322	nordest@nordest-canarias.com
Chile	Oceanic Chile		Santiago	562	244 20 20	contacto@oceanic.cl
China	Sunrise Marineware Ltd		Shenzhen	86	755 866 50 101	sales@sunrisemw.com
Croatia	Aspar Rigging	51211	Matulji	385	51 343 230	aspar-rigging@ri.t-com.hr
Croatia	Ramina Pomorstvo	21000	Split	385	2139 82 33	office@raminapomorstvo.hr
Denmark	PS Rigging	6200	Aabenraa	45	31 69 31 39	info@ps-rigging.com
Dutch Caribbean	Budget Marine St Martin		Philipsburg	1	5 995 443 134	stmaarten@budgetmarine.com
Dutch Caribbean	FKG Marine St Martin		Philipsburg	599	544 47 33	info@fkgmarine.com
Finland	Oy Maritim AB	210	Helsinki	358	10 27 40 320	maritim@maritim.fi
France	Wichard S.A.S	63300	Thiers	33	(0)4 73 51 65 00	marine@wichard.com
French Polynesia	Tahiti Sport / Nauti Sport	98713	Papeete	689	50 59 59	tahiti.sport@tahiti-sport.pf
Germany	Pfeiffer Marine Gmbh	78345	Moss am Bondesee	49	07732 9950 32	info@pfeiffer-marine.de
Greece	Nautilus	17455	Alimos / Athens	30	210 98 54 238	info@nautilus.gr
Greece	A.Andreou & Co	Tk 18346	Athens	30	210 48 28 452	info@aandreou.gr
Greece	Waypoint	31100	Lefkas	30	26450 21461	info@waypointsails.com
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Hong Kong	Storm Force Marine Ltd		Wanchai	852	28 660 114	sales@stormforcemarine.com
Hungaria	Fuke Yachts (Hullam 04)	8220	Balatonalmadi	36	884 328 97	info@fukeyacht.hu
Ireland	Masts & Rigging Ireland Ltd	A92 TP49	Duleek	353	41 988 0389	info@riggers.ie
Israel	Atlantis Marine	63453 25	Tel Aviv	972	(03) 522 7978	atlantis@inter.net.il
Italy	C-Marine S.r.l	19030	Bocca Di Magra - Sp	39	0187 67 08 28	info@cmarine.it
Japan	Cosmos Marine Ltd	556-0023	Osaka	81	665 672 397	cosmarin@pure.ne.jp
Japan	Marine Services Kojima	236-0003	Kanagawa	81	457 903 581	toiawase@mskojima.co.jp
Malta	Wichard France			33	(0)6 01 22 20 50	smotte@wichard.com
Martinique	Caraipe Marine	97290	Le Marin	596	74 80 33	cgmar@wanadoo.fr
Netherlands	Masterspars	1693 BN	Wervershoof	31	(0)610627948	sales@masterspars.com
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New Caledonia	Pacific Accastillage	98845	Nouméa	687	78 78 46	pacificaccastillage@gmail.com
New Zealand	Kiwi Yachting	90114	Auckland	64	9 36 00 30 0	sales@kiwiyachting.co.nz
Norway	Hovdan-Poly	668	Oslo	47	23 14 12 60	post@hovdan.no
Poland	Majer Na Fali	01-971	Varsovie	48	533 655 095	office@majernafali.pl
Portugal	Lisnautica Lda	1300-340	Lisbon	351	21 36 39 084	lisnautica@gmail.com
Portugal	Just Boats Lda	8100-263	Loule	351	281 971 179	info@just-boats.net
Portugal	Blaus 3 Sailing Services	8100-068	Boliquime	351	916 267 103	info@blaus.pt
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Slovenia	Skipper Portoroz	6320	Portoroz	386	5 67 770 11	skipper@siol.net
South Africa	Zenith International	7435	Cape Town	27	215 553 470	profurl@mweb.co.za
Spain	YangBela Technic Sail S.L.	20280	Hondarribia	34	9 436 44 459	edouardo@yangbela.com
Sweden	Liros Skandinav AB	42750	Billdal	46	3191 52 00	info@lirosropes.se
Switzerland	Megroz Voiles	1070	Puidoux	41	21 946 49 49	pm@fragniere-megroz.ch
Switzerland	MW Matelotage	1252	Meinier	41	79 203 41 11	denis.menetrey@mwmatelotage.ch
Taiwan	Storm Force Marine Ltd		Wanchai	852	28 660 114	sales@stormforcemarine.com
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Trinidad and Tobago	Budget Marine Trinidad Ltd		Chaguaramas	1	868-634-2006	trinidad@budgetmarine.com
Turkey	Prima Deniz	34728	Istanbul	90	216352240	kayayelken@superonline.com
United Kingdom	Proboat Ltd	CMO 8TE	Burnham-On-Crouch	44	1 621 78 54 55	sales@proboat.co.uk
Uruguay	Kraen Sa	70.000	Colonia	598	52-23814	kraen@adinet.com.uy
USA	Wichard, Inc.	NC 28206	Charlotte	1	4 016 835 055	usasales@wichard.com