



CRUISING SYSTEMS

With 9 models, the Cruising range offers robustness and safety. They are dedicated to boats from 5 to 26 m. They integrate innovations like the double cage arms and the new feeder design. The Cruising models are equipped with silver anodised extrusions.



RACING SYSTEMS

The Racing systems bring performance and ease of use thanks to innovations like the opening pre-feeder delivered as standard. They are dedicated to boats from 6 to 20 m and have been especially designed for the racing-cruising sailors. They are equipped with black aerofoil extrusions.



High performance systems...

- > The extrusions are made lighter and stronger thanks to a special alloy (6106).
- > The ball bearings have an optimized weight / resistance ratio.
- > The Wichard opening pre-feeder is delivered as standard on Racing models to hoist the sail faster.

...reliable and maintenance free

- > The ball bearings are made of high strength 100 C6 carbon steel and are sealed in a grease bath to increase their working load and prevent corrosion.
- > Watertightness is achieved by the use of two double lip seals preventing foreign bodies (salt, sand, dust, water) from entering the bearing mechanism.
- > The not deformable plastic drums withstand impact (e.g. anchor bump, collision) and are resistant to UV.



Ease of use

PROFURL manual furling systems have been designed to ease operations:

- > The standard feeder enables to easily hoist the sail by only one crew member.
- > The optional opening pre-feeder, manufactured by Wichard, smoothly guides the sail's luff tape into the extrusions, whilst rapidly hoisting the sail. When re-hoisting it, the pre-feeder can be reattached to the luff tape without removing the headsail from the extrusion.





Safety of use

- > Double cage arms (exclusive to PROFURL) prevent the furling line from jumping off the drum and allow the furling line to re-align onto the drum by simply pulling on the line.
- > Stainless steel locking devices are dedicated to boats with a closed to deck fitting.
- > On the C480, C520, C530 and R480 models, special locking devices have been designed to withstand the higher loads.



Reliability of materials

PROFURL rigorously selects the materials to be used for the manufacturing of the different components: these parts are submitted to bench-tests in order to assess their resistance.

- > Ball bearings are made of high strength 100 C6 carbon steel.
- > Drums are made of high impact plastic.
- > Extrusions use a special alloy (6106) and offer one of the best weight / resistance ratios.
- > The feeder and the opening pre-feeder are made of stainless steel (316L), except for C290.

The benefits of PROFURL systems

- > A wide range of reefing systems for cruising and racing.
- > Cruising systems for boats from 5 to 26 m with round silver anodized extrusions.
- > Racing models for boats from 6 to 20 m with black aerofoil anodized extrusions.
- > One forestay diameter for one furling system.
- > The ability to use an existing forestay (in most cases).
- > Several fitting possibilities: standard, long link plates, with turnbuckle cylinder, below deck, stainless steel lockers
- > Light and robust extrusions.
- > Maintenance free ball bearings.
- > Insulation of the different materials.
- > 10 year world wide limited warranty.



Components of models (C290 to C430 - R250 to R430)

Swivel:

- Ball bearings sealed in a grease bath.
- Two watertight double lips seals to prevent foreign bodies from entering (water, salt, dust...).

Extrusions:

- Aluminium extrusions (Cruising: round silver anodised / Racing: aerofoil black anodised).
- · Light weight specialised alloy.
- Optimum torque resistance.

Locking devices:

- Standard ones for Cruising and Racing models with short link plates
- Stainless steel locking devices with insulated bushes (recommended for boats with high/intensive use). Also mandatory in case of closed to deck fitting.
- The locking devices are available for standard, medium and long link plates attachment configurations.

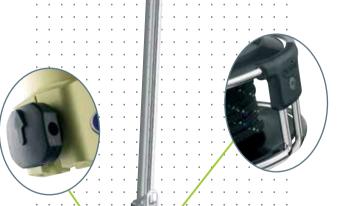


Wrapstop:

Fixed at the top of the stay, it radically prevents the halyard from wrapping around the stay, and reduces potential halyard chafe.

Feeder (except C290):

- Stainless steel (316L).
- No fitting tool, attachment is made with a Velcro webbing.
- Option: opening pre-feeder from Wichard.



Drum mechanism:

- Withstands tremendous impact.
- Double cage arms prevent the furling line from jumping off the drum.
- Removable: the headsail can be hoisted and set as per a racing foil.
- The drum mechanism contains a maintenance free ball bearings system.



Components of C480, C520, C530 and R480 models

Feeder:

- Stainless steel (316L).
- No fitting tool, attachment is made with a Velcro webbing.
- Option: opening pre-feeder from Wichard.

Locking devices:

New stream line drum mechanism design. Made from two counter plastic halves, and including retaining screws, to withstand lateral loads.



The C480, C520, C530 and R480 are designed for yachts from 14.5 m to 26 m. They integrate both the current PROFURL components and innovations developed to withstand the loads submitted on yachts of this length.

Extrusion:

A new joiner system with an enhanced grip of the connector screws.

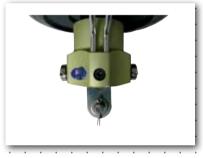
The drum:

As per other PROFURL manual headsail furling models, the rope drum and cage are removable. The furling line is attached to one half of the furling drum allowing for removal/rebuild. The double cage arms are engineered to withstand the yachts loads and maintain the alignment of the furling line onto the rope drum.

DECK ATTACHMENT CONFIGURATIONS



Standard fitting with short link plates



Close to the deck fitting with stainless steel lockers



Long link plates fitting -





Below the deck fitting

What kind of fitting for my furling system?

PROFURL furling systems can be adapted to your boat's configuration, not vice versa. PROFURL offers a wide range of fittings, a description of each fitting configuration is listed below:

STANDARD FITTING WITH SHORT LINK PLATES

- > Type of locking devices: standard and threaded pin for a stay eye fitting
- > Raise the drum mechanism in order to clear the deck in case of obstacles (bow roller etc.).
- > Fitting with adjustment plates is also possible

FITTING WITH LONG LINK PLATES

> Type of locking devices:

standard

- > The drum can be lifted to avoid interference with the anchor and to reduce the sail chafe on the lifelines.
- > The forestay length is still adjustable.

FITTING CLOSE TO THE DECK

- > Type of locking devices: stainless steel and smooth pin
- > Increase the luff length

FITTING WITH A TURNBUCKLE CYLINDER

- > The rigging screw is in the turnbuckle cylinder.
- > The furling line can be fitted lower to the deck.
- > It is also possible to use a combination of a turnbuckle cylinder and long link plates.

BELOW THE DECK FITTING

- > An aesthetic solution chosen by some boatbuilders (Bénéteau, X-Yacht). Please contact us for more information.
- > Adjustable tack fitting



C260: THE FURLING SYSTEMS FOR LIGHT BOATS

Especially designed for boats from 5 to 7 m, the C260 model is a self-contained halyard furling system. Cost-effective, easy to install on the existing forestay, the C260 does not require any maintenance.

> The self-contained halyard system

On light sail boats - especially fractionally rigged - it is usually difficult to obtain a tight forestay. The C260 with its self-contained halyard helps to minimise forestay sag by reducing mast compression created by a combination of loads from the halyard and sail.

> Ease of installation

The C260 does not require a specialised attachment to the forestay stem head, it is simply attached to the lower swage terminal of the forestay (eye and holes plates or turnbuckle).

For boats transported and stored on a trailer, the C260 can be separated in two sections reducing the risk of damage while in transit.

> Ease of use

The self-contained halyard passes over a sheave box fitted into the top of the extrusion and returns down to a sheave and cam cleat. Once the sail is hoisted and tensioned, the remaining length of the halyard is used as a furling line.







CRUISING MODELS

- > Large range of 10 models for boats from 5 to 26 m.
- > Round and silver anodised profile.
- > Several fittings possibilities: adjustment plates, long link plates, turnbuckle cylinder, below the deck fitting, stainless steel locking devices
- > Additional option: opening pre-feeder, stainless steel locking devices
- > 10 year world wide limited warranty.

Cruising range	C260	C290	C320	C350	C420	C430	C480	C520	C530	C700	
	Self- contained halyard	Halyard swivel systems									
Max forestay Ø (mm)	5	6,35	7	8	10	12,7	14,3	16	19	25,4	
Equivalent in # rod	-	# 10	# 12	# 17	# 22	# 40	# 48	# 60	# 76	# 150	
Clevis pin Ø (mm)	-	8-10-12-14-16 10-12-14-16-19-22-25 16-18-19-22-25-28								ND	
Furling standard length (m)	8,50	10	12	14	16	18	18	20	22	ND	
Extrusion length (m)		2 2.8									
Weight / meter (Kg)	0,408	0,557	0,661	0,728	0,933	0,933	1,200	1,460	1,460	2,800	
Removable drum	No	No Yes No									
Feeder	No	No Yes									
Double luff groove	Yes	No Yes									
Luff line Ø (mm)	6			5				e	5		
Luff rope pre-feeder	No					Option					
Long link plates	No					Option					
Turnbuckle cylinder	No	Yes Option									
Stainless steel locking devices	No	No Option: all models but C430 model - Specific locking devices: C480, C520, C530									
Warranty					10 year wo	orld wide w	varranty				

How to choose my furling system?

To correctly select your own furling system, refer to the following steps:

Step 1: Define your sailing program: cruising or racing-cruising.

Step 2: Measure accurately the diameter of the forestay (see table below).

Step 3: Choose one of the fitting systems described on page 14.

	Boat length (meter)											
Model	maxi fore- stay Ø mm	5 - 7	7 - 9	9.50	10	11	12	13	14	16	18	26+
C260	5											
C290	6.35											
C320	7											
C350	8											
C420	10											
C430	12.7											
C480	14.3											
C520	16											
C530	19											
C700	25.4										On de	mand



RACING MODELS

- > Range of 5 models for boats from 6 to 20 m.
- > Black anodised aerofoil profile.
- > Several fittings: adjustment plates, long link plates, turnbuckle cylinder, below the deck fitting, stainless steel locking devices
- > Options: stainless steel locking devices, turnbuckle cylinder
- > 10 year world wide limited warranty.



Racing range	R250	R350	R420	R430	R480					
		Halyard swivel systems								
Max. forestay Ø (mm)	6,35	8	10	11.1	12.7					
Equivalent in # rod	# 10	# 17	# 22	# 30	# 40					
Clevis pin Ø (mm)	8-10-12	8-10-12-14-16 10-12-14-16-19-22-25 16-18-19-22-								
Furling standard length (m)	8	12	14	16	18					
Extrusion length (m)	2	2	2	2	2					
Weight / meter Kg	0,383 0,638 0,835 0,835 1,200									
Removable drum		Yes								
Feeder		Yes								
Opening pre-feeder			Yes							
Double luff groove			Yes							
Luff line Ø (mm)		5 r	mm		6 mm					
Long link plates			Option							
Turnbuckle cylinder	Option									
Stainless steel locking devices	Option	for all models but	R430 model - Fo	r R480 specific loc	king devices					
Warranty		10 y	ear world wide w	varranty						

How to choose my furling system?

To correctly select your own furling system, refer to the following steps:

- Step 1: Define your sailing program: cruising or racing-cruising.
- Step 2: Measure accurately the diameter of the forestay (see table below).
- Step 3: Choose one of the fitting systems described on page 14.

Boat length (meter)												
Model	Max fore-stay Ø mm	6	7	8	9	10	11	12	13	14	16	19
R250	6.35											
R350	8											
R420	10											
R430	11.1 (rod-30)											
R480	12.7 (rod-40)											