



## FLYING SAIL FURLERS **NEX HYBRID**

Exclusively with Proful, discover the HYBRID NEX flying sail furlers with ceramic ball bearings that reduce friction and weight of the mechanisms.



## REVOLUTION IS NOW!

PROFURL is proud to present the Nex Hybrid range of furlers for boats up to 100' long, sailed solo or short-handed. Nex Hybrid features Ceramic Bearing Technology (CBT) which reduces friction and weight considerably. Using these extremely corrosion-resistant bearings enables Profurl to banish metal fastenings in favour of soft textile ones.



NEX Hybrid swivel

### Examples of boats using NEX Hybrid

- > Trimaran 80' Prince de Bretagne (France)
- > Solo maxi trimaran Banque Populaire VII
- > Maxi trimaran Spindrift 2
- > AC 72 America's Cup
- > Mega Yachts

### and some records:

- > Victory in La Route du Rhum 2010: Groupama 3
- > Mediterranean crossing record in 2013: Banque Populaire VII



Groupama 3, the first sailing boat to use CBT and most recent solo winner of La Route du Rhum 2010 in the Maxi class.



Prince de Bretagne, 80' multihull equipped with NEX Hybrid swivels

## Why choosing Ceramic Bearing Technology?

CBT allows Profurl to add ceramic ball bearings to their furling systems. CBT has the following benefits:

- > up to 30% less friction
- > fewer components because metal fastenings are replaced by textile fastenings
- > assemblies up to 30% lighter (no grease, seals, etc.)
- > optimizes the size of the assemblies
- > systems are highly resistant to corrosion, maintenance free, and easy to use and fit



### Benefits

- > Weight: -30%
- > Dimensions: -30%
- > Friction: -30%

### Advantages for the crew

- > Improve the performance of your yacht
- > Easy handling
- > Makes furling easy
- > Ideal for solo or short-handed sailing

Textile fastening anchored to the inner mechanism of the assembly

NEX Hybrid Swivel



### Sail types

- > Sails fitted to a furler
- > Ideal for hooked-on sails



Models	NEX Hybrid 8.0 swivel	NEX Hybrid 12.0 swivel
Max working load	8.000 Kg	12.000 Kg
Fork width	19 mm (FFS3 - Future Fibres)	22 mm (FFS4 - Future Fibres)
Fork pin Ø	14 mm	20 mm
Single strop Ø	27 mm	34 mm
Can be used in conjunction with a standard spool	NEX 8.0	NEX 12.0

**Used in conjunction with a lower mechanism featuring CBT**

Yes

## Why using ceramic bearings?

Ceramic bearings were first used in aerospace industry.

> Ceramic balls are held in casings. The silicon nitride balls are low density but extremely hard. They will not lose their shape even under the heaviest loads, resulting in less friction and a greater lifespan.

> These bearings also show remarkable resistance to corrosion. Thanks to these revolutionary components Profurl can design "open" systems which contain no grease or seals. The textile fastening is now anchored to the inner mechanism of the assembly.



NEX Hybrid spool - 20T  
installed on the maxi multihull  
Banque Populaire 7