



Structural furlers have been installed on racing sailboat for a long time and Facnor was the first manufacturer to produce them. These structural furlers support mast loads and can entirely furl in and out headsails (such as Solent, Staysail, Genoa). This high performance system is also supplied on ocean cruising yachts for Staysails.

PERFECT SAIL & LIGHTNESS

The in/out furling system:

- This in/out system enables a performance sail (Solent, Staysail, Genoa).
- Structural system : the forestay (high quality textile fibers) turns and holds the mast.

Features of the STK Structural Furling Systems :

STK FURLERS



- Saving weight (up to 3 times lighter than a conventional furling system)
- Stronger furling power with large diameter drum
- Maximum luff thanks to the low profile drum (continuous line drum)

- Simple installation fitting various forestay terminals
- Resistant and tested for heavy loads
- Tensioning halyard possible by 2-to-1 (see terminal options)
- Classic or endless line drum available, connection on jaw or thread

Two possible assemblies



The structural furlers can be connected onto the textile stay with classic thimbles or threaded cone-shaped terminals (Navtec system)





STK STRUCTURAL FURLER RANGE

(STK Models : discontinuous or continuous line drums

| Parameters / Furler model* | STK 5 T | STK 9 T | STK 10 T | STK 15 T | STK 20 T | STK 25 T | STK 35 T | STK + 35 T |
|--|---------|---------|----------|----------|----------|-----------|-------------|------------|
| Boat length (feet) | 40' | 50' | 60 | 60 /70' | 70' | +70' | | Contact us |
| ROD equivalence | -17 | -30 | -40 | -48 | -60 | -76 & -91 | -115 & -150 | |
| wire 1x19 equivalence (mm) | 10 | 14 | 16 | 19 | 22 | - | - | |
| Kevlar wire working loads (safety coefficient x 2)** | 5 T | 9 T | 10 T | 15 T | 20 T | 25 T | 35 T | |

* model name = Kevlar stay breaking loads

** If we replace a metal wire or a rod forestay by a textile wire, this one will be largely over dimensioned, as the essential criteria to choose the model is not the solidity but the resistance against stretching. This is why the safety coefficient is so high.

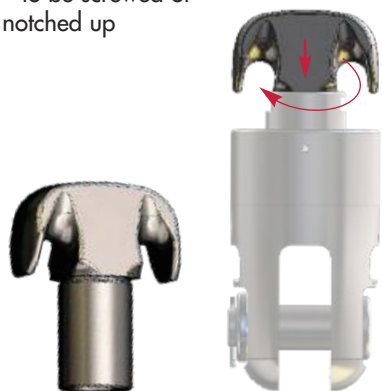
TERMINAL OPTIONS

Different articulating parts (bottom or top) :

- terminals : ball joint eye, diabolos, twin anchor, lashing soft eye terminal,... many other terminals.
- interchangeable : the terminals are screwed into mechanisms. These articulating parts can be interchanged.

FOR BOTH TOP (or bottom) END

Twin anchor
more flexible articulation
- to be screwed or notched up



Lashing soft eye terminal
(fitted above the swivel or underneath the drum) the lashing gives more flexibility to the articulation



Eye terminal
for both top and bottom ends



Ball joint eye
top or bottom terminal. 3 axes orientation angles



Soft solid sheaves
help to build a 2-to-1 or a 3-to-1 tensioning



Twin pool terminal
fitted underneath the drum it keeps its attachment in position (4-to-1)



BOTTOM END

- Materials : 17-4 PH stainless steel, Titanium (40% lighter than S/s), other materials