COMPARATIVE ADVANTAGES:
- Automatic (and removable) drum locking mechanism. No requirements to keep the furling line under tension.
- Spare lock.
- Custom bearing = less friction, + load resistance and - weight.
- Most compact and lightest swivel on the market (- weight aloft and - impact).
- Protective storage neoprene bag.

EXCLUSIVE ADVANTAGES:
- Compact system = lighter, and bigger sail area possible.
- A composite spool around the drum to better protect your boat and your system.
- Quick response to any requests: from the simplest to the most complex.
- Strong ties with the racing teams that confirm the quality of our products and their longevity in the most extreme conditions.

Karver innovations that have become standard on the market:
- Easy and quick engagement of the furling line.
- Captive pins.
- The drum is designed to eject the furling line when not under tension (safety & comfort).

The KSF top down furler enables the furling of any type of free flying sail (as you can already do with the KF), in addition you are also able to furl an asymmetric spinnaker. The system is a KF furler, featuring a tack swivel on top of the drum, where the spinnaker tack attaches to. This then means that the spinnaker will now furl from the top downwards, depowering the sail without any effort, from the cockpit, enhancing the safety of this system.

IN THE BOX
- Drum with its fitting
- Swivel with its fitting
- Neoprene protection
- Lock and spare lock
- User manual
- Storage bag
**NOT INCLUDED - FREQUENTLY BOUGHT OPTIONS**

- Furling line
- Thimbles
- Quick release 3:1 friction sheave
- KF/KSF adaptor
- 2:1 block

**OTHERS OPTIONS AVAILABLE**

- Tyalsa
- 2:1 block
- HR 3:1 friction sheave
- Lashing eye
- KFH Furling lock
- Single line drum

**PRODUCT LINE**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SAFE WORKING LOAD (LBS)</th>
<th>TACK SWIVEL WORKING LOAD (LBS)</th>
<th>DRUM DIAMETER (INCH)</th>
<th>DRUM FITTING (1)</th>
<th>SWIVEL FITTING (1)</th>
<th>FORK WIDTH (INCH)</th>
<th>PIN DIAMETER (INCH)</th>
<th>FURLING LINE DIAMETER (INCH)</th>
<th>WEIGHT (OZ) (2)</th>
<th>MAX HEIGHT (INCH) (2&amp;3)</th>
<th>ANTI-TORSION LINE MAX DIAMETER (4)</th>
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<tbody>
<tr>
<td>KF1</td>
<td>3.300</td>
<td>X 4 3/8</td>
<td>HR Snap Shackle</td>
<td>HR Shackle</td>
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<td>5/16&quot;</td>
<td>1/4&quot;</td>
<td>22.9</td>
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<td>3 3/8&quot;</td>
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<td>75.7</td>
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</table>

Over 30T working load or for units over 30m, please contact us.

(1) For each model, the standard fittings refer to the most common installations.
(2) Weight and height of standard model. The change of fitting would modify these data.
(3) Minimum distance to be deducted from the max hoist distance. The change of fitting would modify these data.
(4) Max anti-torsion diameter that can fit in the thimble. Max diameter = better efficiency.

**WHICH MODEL TO SELECT?**

KF or KSF? The KSF should be selected if you would like to furl your spinnaker in addition to other sails.

**FIND OUT MORE ON OUR WEBSITE**

- Find out your furler model by boat.
- Customers who trust us.
- Pictures, specs & advice regarding our complete product lines (furlers, blocks, jammers, halyard lock, full batten systems...).

www.karver-systems.com - Téléphone : + 33 (0) 31 88 37 98
Email : contact@karver-systems.com

The choice of the right furler model would depend on:
- The use of one or several sails with the furler
- The length and weight of your boat
- The sail area
- Your sailing program (coastal cruising, blue water cruising, cruiser-racing, racing...).

Check out our website to find our furler recommendations by boat.
A detailed questionnaire is available to inquire about your next project.