

HARKEN®

INSTALLATION SHEET

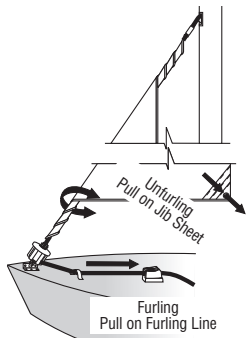
Small Boat Furling

434/435

1251 East Wisconsin Avenue • Pewaukee, WI 53072 U.S.A.
Telephone: (262) 691-3320 • Fax: (262) 691-3008
Web: <http://www.harken.com> • E-mail: harken@harken.com

How It Works: To furl the jib, pull the furling line and the sail rolls up around its own luff. To unfurl, uncleat the furling line and pull the jib sheet.

Sail with Luff Wire Required: Your sail must have a 1 x 19 counterlaid stainless steel wire sewn into the luff with thimbles that are sewn firmly to the tack and head so they will not turn. Many small boat sails already have this. If your sail has a luff rope and hanks, they must be replaced by a qualified sailmaker.



INSTALLATION

The system consists of the furling drum and the upper swivel.

Drum: Attach the drum to the stem fitting behind the forestay. On many boats the forestay is removed and the jib luff wire replaces it. In this case, the jib remains on the boat in its furled position when the boat is not in use and a cover protects the sail from UV exposure.

Furling Line: Use 1/8" (3 mm) Dacron line. To figure the length, add 10' (3 m) to the distance from the furler to the cleat. Feed the line through the little hole in the top of the drum from the bottom side and tie a tight overhand or figure "8" knot in the end. Spin the drum and wind up about 10' (3 m) of line.

Upper Swivel: Attach the upper swivel to the jib halyard. Fasten the head of the jib to the upper swivel and attach the tack to the top of the drum. Hoist the sail with the halyard, snug it up and cleat.

Furling Line Lead and Cleat: Lead the furling line through the aft slot on the starboard side of the drum so it does not rub and lead it to a point on the starboard side of the foredeck where the line lead is exactly perpendicular to the luff wire or forestay. Mount a plastic fairlead with a stainless insert at this point or use a 082 bullet block on an eyestay. Lead the line aft and mount a 238 cam cleat with fairlead. Tie a figure “8” knot in the end and you’re ready to furl.

Maintenance

Harken equipment is designed for minimal maintenance, but some maintenance is required to give the best service and to comply with the Harken limited warranty.

In general, the most important aspect of maintenance is to keep your equipment clean by frequently flushing with freshwater.

In corrosive atmospheres, stainless parts may show discoloration around holes, rivets and screws. This is not serious and may be removed with a fine abrasive. With the exception of winches, do not use grease unless specifically recommended in the instruction sheets.

Many Harken products are provided with specific instruction sheets that detail maintenance procedures. Instruction sheets are available at no charge by contacting Harken or a Harken distributor.

Furling System: Keep furling units clean by flushing frequently with fresh water. Periodically clean the lower unit and the halyard swivel with detergent and fresh water to remove deposits of salt and dirt. Lubrication is not required, but lubricants such as McLube®, which will not attract dirt, may be used.

Warranty

See the Harken catalog for full maintenance and warranty information.