

# Ordering Furling

## 1. Choose furler type

The table below is based on sailing style and approximate boat size.  
**This table is only a guideline. Do not use it to determine unit size.**

### Comparison Chart

	<b>OOAL</b> Small Cruising Boats	<b>MKIV</b> Racers/Performance Cruisers	<b>MKIII</b> Racers/Performance Cruisers	<b>CRUISING</b> Cruising Boats
<b>Note: Typical boat lengths are listed as a guideline but are not the determining factor. Check with Harken® if your length varies.</b>				
Typical Boat Lengths	Unit 00: 20 - 26 ft (6 - 8 m)	Unit 0: 22 - 30 ft (6.5 - 9.1 m) Unit 1: 28 - 36 ft (8.5 - 11 m) Unit 2: 35 - 46 ft (10 - 14.2 m) Unit 3: 45 - 60 ft (13.7 - 18.3 m) Unit 4: 65 - 80 ft (19.8 - 24.4 m)	Unit 4: 75 - 90 ft (22.9 - 27.4 m) Unit 4.5: 85 - 110 ft (25.9 - 33.5 m)	Unit 1: 28 - 36 ft (8.5 - 11 m) Unit 2: 35 - 46 ft (10 - 14.2 m)
Foils	Double groove Air Foil® Stainless steel feeder	Double groove Air Foil® Stainless steel feeder	Double groove Air Foil® Stainless steel feeder	Single Groove Round Foil
Halyard and Tack Swivel	Fixed	Independent swivels for improved sail shape	Independent swivels for improved sail shape	Fixed
Drum	Removable split drum for racing	Removable split drum for racing	Removable split drum for racing	—
Line	Included	Included on Units 0, 1, 2	Not included	Included

## 2. Determine unit size

Size is based on the headstay and clevis pin diameters listed on unit pages.

## 3. Determine if additional foils needed

Use the I and J measurements to determine the length of the headstay. If the existing headstay is longer than the standard length listed under **Headstay Length**, order additional foils and connectors.

## 4. Determine chainplate attachment

For Unit OOAL, determine the diameter of the existing clevis pin to select a clevis pin assembly. MKIII units include attachment. For other units, see the **MKIV & Cruising Toggle Options** (listed on back) to find a toggle that fits your existing hardware.

## 5. Choose lead block kit and accessories

Harken recommends equipping every furling system with a ratchet lead block kit. Other **Furling Accessories** (see Harken catalog or [www.harkenstore.com](http://www.harkenstore.com)) include mounting equipment and racing hardware for faster sail changes.

## 6. Prepare sail and headstay

Have a luff tape added to your genoa. See sizing information in Harken catalog.

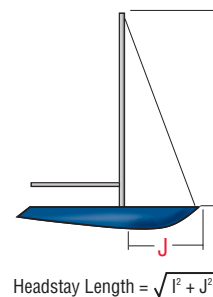
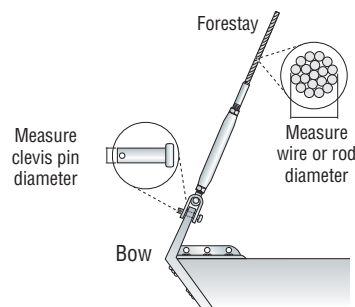
OOAL, MKIV, and Cruising furlers install over the existing turnbuckle. The turnbuckle is accessible for adjustment by raising the drum. Some headstays will require cutting and shortening to fit Harken toggle. If the turnbuckle can be shortened by using an eye stud to Harken jaw/jaw toggle, the headstay can remain uncut. Check with a professional rigger on stay condition before reusing stay.

MKIII furlers include terminals with threaded stud end fittings to attach the headstay to the drum assembly.

For all units, rod rigging requires a Harken rod adapter stud and it must be cut and coldheaded by an authorized rod service center.

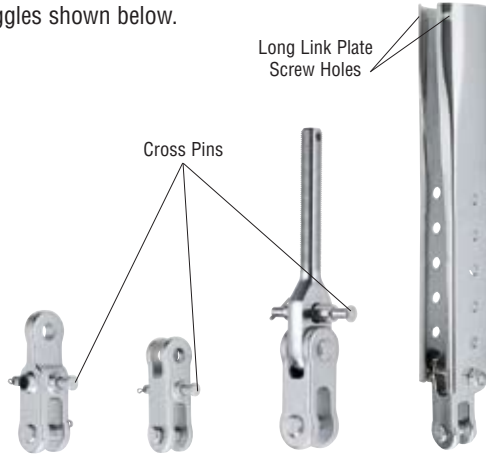
## 7. Contact

If you have any questions, please contact your dealer or Harken Technical Service.



## MKIV & Cruising Toggle Options

Use these rigger-supplied options to fit Harken toggles shown below.  
Harken Toggle assemblies sold separately.



	Eye/Jaw Toggle	Jaw/Jaw Toggle	Stud/Jaw Toggle	Long Link Plate w/ Toggle
<b>0</b>	7410.20 3/8 7410.20 7/16	—	—	—
<b>1</b>	7411.20 1/2	7311.20 1/2	7311.20 5/8	7311.21 1/2 7311.21 5/8
<b>2</b>	7412.20 5/8	7312.20 5/8	7312.20 3/4	7312.21 5/8 7312.21 3/4
<b>3</b>	—	7413.20 3/4 7413.20 7/8	—	7313.21 3/4 7313.21 7/8
<b>4</b>	—	7414.20 1 7414.20 1 1/8	—	—

Model	Toggle Part No.	Description	Clevis Pin Ø		Fits Unit	Furler Part No.
			in	mm		
<b>MKIV</b>	7410.20 3/8	Eye/Jaw (reversible)	3/8	9.5	0	7410.10
	7410.20 7/16	Eye/Jaw (reversible)	7/16	11.1	0	7410.10
	7411.20 1/2	Eye/Jaw (reversible)	1/2	12.7	1	7411.10
	7311.20 1/2	Jaw/Jaw	1/2	12.7	1	7411.10
	7311.20 5/8	Stud/Jaw	5/8	15.9	1	7411.10
	7311.21 1/2	Long link plate w/ toggle	1/2	12.7	1	7411.10
	7311.21 5/8	Long link plate w/ toggle	5/8	15.9	1	7411.10
	7412.20 5/8	Eye/Jaw (reversible)	5/8	15.9	2	7412.10
	7312.20 5/8	Jaw/Jaw	5/8	15.9	2	7412.10
	7312.20 3/4	Stud/Jaw	3/4	19.1	2	7412.10
	7312.21 5/8	Long link plate w/ toggle	5/8	15.9	2	7412.10
	7312.21 3/4	Long link plate w/ toggle	3/4	19.1	2	7412.10
	7413.20 3/4	Jaw/Jaw w/ short link plate	3/4	19.1	3	7413.10
	7413.20 7/8	Jaw/Jaw w/ short link plate	7/8	22.2	3	7413.10
	7313.21 3/4	Long link plate w/ toggle	3/4	19.1	3	7413.10
	7313.21 7/8	Long link plate w/ toggle	7/8	22.2	3	7413.10
	7414.20 7/8	Jaw/Jaw w/ short link plate	7/8	22.2	4	7414.10
7414.20 1	Jaw/Jaw w/ short link plate	1	25.4	4	7414.10	
7414.20 1 1/8	Jaw/Jaw w/ short link plate	1 1/8	28.57	4	7414.10	
<b>CRUISING</b>	7411.20 1/2	Eye/Jaw (reversible)	1/2	12.7	1	7311.10
	7311.20 1/2	Jaw/Jaw	1/2	12.7	1	7311.10
	7311.20 5/8	Stud/Jaw	5/8	15.9	1	7311.10
	7311.21 1/2	Long link plate w/ toggle	1/2	12.7	1	7311.10
	7311.21 5/8	Long link plate w/ toggle	5/8	15.9	1	7311.10
	7412.20 5/8	Eye/Jaw (reversible)	5/8	15.9	2	7312.10
	7312.20 5/8	Jaw/Jaw	5/8	15.9	2	7312.10
	7312.20 3/4	Stud/Jaw	3/4	19.1	2	7312.10
	7312.21 5/8	Long link plate w/ toggle	5/8	15.9	2	7312.10
	7312.21 3/4	Long link plate w/ toggle	3/4	19.1	2	7312.10

### Rigger Supplied

### Harken

