



HARKEN®

Furling Systems at Sailing Services

MKIV Reefable Furling Systems

Harken MKIV furling systems are built for longevity, ease of use and simplicity of installation. They are strong, light weight, and aerodynamic. Featuring a twin-groove foil and smooth feeder for fast hoists, douses, and sail changes. The large diameter drum provides increased mechanical advantage and can be easily removed for use with racing sails, providing the longest possible luff length. The free spinning halyard and independent tack swivels provide superior sail shape while reefed. High strength foil joints can be installed without cutting the headstay. The line guard, torque tube and swivels are deep-saturation hardcoat-anodized, and UV stabilized for durability. Furling line included with Units 0, 1, & 2. *New for 2021 - MKIV furlers come standard with black anodized foils.*



NEW MKIV OCEAN Reefable Furling Systems

The MKIV Ocean offers many of the same features as the MKIV but is specifically configured for the cruising sailor. It is engineered with strength, longevity, ease of use, and at the right price; without extra features cruisers might not need. The clear-anodized foils are round and precision-extruded with a single luff groove for smooth sail handling. C-shaped open foil connectors are easily installed without cutting the headstay. Like the MKIV, the line guard, torque tube, and halyard swivel are deep-saturation hardcoat-anodized, and UV stabilized for durability. The aluminum drum, fixed tack and simplified halyard swivel provide a more economical system without sacrificing strength. Furling line included with Units 0, 1, & 2.



Unit	Part No.	Boat Length	Wire Dia.	System Length	Pin Diameter
Unit 0	H7410.10	22'-30'	3/16" - 7/32"	38'7"	5/16", 3/8", 7/16"
Unit 1	H7411.10	28'-36'	1/4" - 5/16"	45'11"	1/2", 5/8"
Unit 2	H7412.10	35'-46'	5/16" - 3/8"	60'4"	5/8", 3/4"
Unit 3	H7413.10	45'-60'	7/16" - 1/2"	74'8"	3/4", 7/8"

*Toggle Assembly Required - Sold Separately

Unit	Part No.	Boat Length	Wire Dia.	System Length	Pin Diameter
Unit 0	H7510.10	22'-30'	5/32" - 7/32"	38'7"	5/16", 3/8", 7/16"
Unit 1	H7511.10	28'-36'	1/4" - 5/16"	45'11"	1/2", 5/8"
Unit 2	H7512.10	35'-46'	5/16" - 3/8"	60'4"	5/8", 3/4"
Unit 3	H7513.10	45'-80'	7/16" - 5/8"	74'8"	3/4", 7/8", 1" 1 1/8"

*Toggle Assembly Required - Sold Separately

MKIV Furler Toggle Options

Unit	Toggle Part No.	Description	Pin Size
Unit 0	H7410.20 3/8	Eye/Jaw (reversible)	3/8"
Unit 0	H7410.20 5/16	Eye/Jaw (reversible)	5/16"
Unit 0	H7410.20 7/16	Eye/Jaw (reversible)	7/16"
Unit 1	H7411.20 1/2	Eye/Jaw (reversible)	1/2"
Unit 1	H7311.20 1/2	Jaw/Jaw	1/2"
Unit 1	H7311.20 5/8	Stud/Jaw	5/8"
Unit 1	H7311.21 1/2	Long Link Plate w/ Toggle	1/2"
Unit 1	H7311.21 5/8	Long Link Plate w/ Toggle	5/8"
Unit 2	H7412.20 5/8	Eye/Jaw (reversible)	5/8"
Unit 2	H7312.20 5/8	Jaw/Jaw	5/8"
Unit 2	H7312.20 3/4	Stud/Jaw	3/4"
Unit 2	H7312.21 5/8	Long Link Plate w/ Toggle	5/8"
Unit 2	H7312.21 3/4	Long Link Plate w/ Toggle	3/4"
Unit 3	H7413.20 3/4	Jaw/Jaw w/short link plate	5/8"
Unit 3	H7413.20 7/8	Jaw/Jaw w/short link plate	7/8"
Unit 3	H7313.21 3/4	Long Link Plate w/ Toggle	3/4"
Unit 3	H7313.21 7/8	Long Link Plate w/ Toggle	7/8"

MKIV Ocean Furler Toggle Options

Unit	Toggle Part No.	Description	Pin Size
Unit 0	H7410.20 5/16	Eye/Jaw (reversible)	5/16"
Unit 0	H7410.20 3/8	Eye/Jaw (reversible)	3/8"
Unit 0	H7410.20 7/16	Eye/Jaw (reversible)	7/16"
Unit 1	H7411.20 1/2	Eye/Jaw (reversible)	1/2"
Unit 1	H7311.20 1/2	Jaw/Jaw	1/2"
Unit 1	H7311.20 5/8	Stud/Jaw	5/8"
Unit 1	H7311.21 1/2	Long Link Plate w/ Toggle	1/2"
Unit 1	H7311.21 5/8	Long Link Plate w/ Toggle	5/8"
Unit 2	H7412.20 5/8	Eye/Jaw (reversible)	5/8"
Unit 2	H7312.20 5/8	Jaw/Jaw	5/8"
Unit 2	H7312.20 3/4	Stud/Jaw	3/4"
Unit 2	H7312.21 5/8	Long Link Plate w/ Toggle	5/8"
Unit 2	H7312.21 3/4	Long Link Plate w/ Toggle	3/4"
Unit 3	H7413.20 3/4	Jaw/Jaw	3/4"
Unit 3	H7413.20 7/8	Jaw/Jaw	4/8"
Unit 3	H7513.20 1	Jaw/Jaw	1"
Unit 3	H7513.20 1 1/8	Jaw/Jaw	1 1/8"
Unit 3	H7313.21 3/4	Long Link Plate w/ Toggle	3/4"
Unit 3	H7313.21 7/8	Long Link Plate w/ Toggle	7/8"
Unit 3	H751321 1	Long Link Plate w/ Toggle	1"
Unit 3	H7513.21 1 1/8	Long Link Plate w/ Toggle	1 1/8"



MKIV



MKIV OCEAN



MKIV



MKIV Ocean



MKIV Ocean



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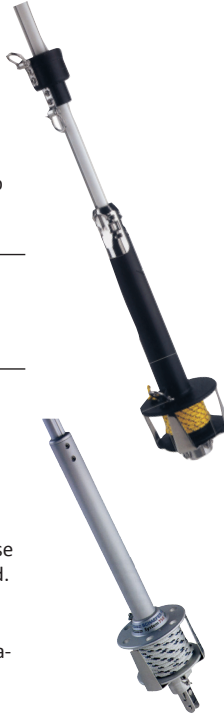
SCHAEFER LEGENDARY STRENGTH

Schaefer SnapFurl

Ideal reefing and furling solution for trailerable boats up to 28'. Single luff groove.

Part No. _____
SCHCF-500
Boat Size: 16' - 24'; Wire Dia.: 1/8", 5/32", 3/16";
Pin Dia.: 1/4", 5/16", 3/8"; System Length: 31'1"

Part No. _____
SCHCF-700
Boat Size: 24' - 28'; Wire Dia.: 3/16", 7/32";
Pin Dia.: 3/8", 7/16"; System Length: 38'



Schaefer Reefable Furling Systems

CNC machined metal construction resists UV rays and abuse from anchor chains and poles mounted near the stemhead. Proven design that is strong, smooth, and reliable.

Installation requires cutting of headstay and installation of Sta-Lok eye, as well as appropriate Schaefer toggle. See Sta-Loks on pg 12, and toggle options below.

Part No.	Boat Size	Wire Dia.	Pin Dia.	System Length
SCH1100	27'-31'	3/16"-9/32"	3/8"-1/2"	43'
SCH2100	30'-42'	1/4"-3/8"	1/2"-5/8"	49' 3"
SCH3100	41'-55'	5/16"-1/2"	5/8"-7/8"	64' 71/2"

Schaefer Toggle Options

For Unit	Part No.	Description	Pin Size
1100	SCH46-030-01	Standard Toggle	3/8"
1100	SCH46-030-02	Standard Toggle	7/16"
1100	SCH46-030-03	Standard Toggle	1/2"
1100	SCH1100-24	Long Toggle	3/8"
1100	SCH1100-23	Long Toggle	7/16"
1100	SCH1100-22	Long Toggle	1/2"
2100	SCH46-016	Standard Toggle	1/2"
2100	SCH46-018	Standard Toggle	5/8"
2100	SCH2100-24	Long Toggle	1/2"
2100	SCH2100-22	Long Toggle	5/8"
3100	SCH46-022	Standard Toggle	5/8"
3100	SCH46-023	Standard Toggle	3/4"
3100	SCH46-041	Standard Toggle	7/8"
3100	SCH3100-22	Long Toggle	5/8"
3100	SCH3100-24	Long Toggle	3/4"
3100	SCH3100-28	Long Toggle	7/8"

Schaefer Free Furling Jib Furlers

Lightweight "Free Furling" swivels made from clear anodized aluminum with hi-load Torlon bearings. Sails furl and unfurl on their own luff wire and are easily removed for trailering. Comes with upper/lower swivels and furling line.

Part No.	Boat Size	Pin Dia.	SWL
SCH350-00	14'-19'	1/4"	850 lbs
SCH550-00	19'-25'	5/16"	1,800 lbs
SCH650-00	25'-31'	3/8"	3,400 lbs



Sailmakers Eyes

Free furling jib furlers usually utilize a wire headstay which is sewn or ziped inside the luff of the jib. The best way to terminate these headstays is to use sailmakers eye or furling loops as found on page 31 of our catalog.

Profurl Reefable Furling Systems



Profurl offers a wide range of manual furling systems for a wide range of boats and sailing conditions.

Profurl systems feature maintenance free sealed bearings and light but robust extrusions. 10 year worldwide limited warranty. Specify headstay pin diameter when ordering. Each ProFurl system is available with long link plates and/or integral turnbuckle cylinder for an additional cost. Call or visit our website for more details.



Part No.	Max Wire Dia.	Std. Length	Pin Diameter
PROC260	3/16"	26.2	N/A
PROC290	1/4"	32.8	5/16" - 5/8"
PROC320	9/32"	39.4	5/16" - 5/8"
PROC350	5/16"	45.9	3/8" - 1"
PROC420	3/8"	52.5	3/8" - 1"
PROC430	1/2"	59.1	3/8" - 1"
PROC480	9/16"	59.1	5/8" - 1-1/8"
PROC520	5/8"	65.6	5/8" - 1-1/8"
PROC530	3/4"	72.2	5/8" - 1-1/8"
PROR250	1/4"	26.2	5/16" - 5/8"
PROR350	5/16"	39.4	5/16" - 5/8"
PROR420	3/8"	45.9	3/8" - 1"
PROR430	7/16"	52.5	3/8" - 1"

New Headstays

When putting a new furler on a boat, it's a good idea to install a new headstay at the same time. After a furler is installed, inspecting the headstay underneath is almost impossible. So start with a new headstay for maximum life expectancy under the furler. When ordering furling, ask us for a quote on a new headstay too.

Furling Accessories

Furling Line Leads

Part No.	Description	Max Line	Stanchion Dia.
SCH78-53	Bullseye	3/8"	1"
SPWL/1	Bullseye	1/2"	1"
J40-502	Bullseye	3/8"	7/8", 1"
SCH300-34	Lead Block	1/2"	1"
SPWL/2	Lead Block	1/2"	1"
H7405	Dbl. Lead Block	3/8"	1"
H7401	Lead Block	3/8"	1"
SCH506-44	Outside Lead	1/2"	1"
SCH706-44	Outside Lead	5/8"	1-1/4"
H7403	Outside Lead	3/8"	1"
SCH300-35	Pulpit Lead	1/2"	1"
SCH500-35	Pulpit Lead	1/2"	1", 1-1/4"
H7402	Ratchet Lead	3/8"	1"



Furling Lead Kits

Part No.	Description
H7404	Harken Lead Kit (does not include line)
SCH1100-19	Schaefer Lead Kit with 1/4" x 50' line
SCH2100-19	Schaefer Lead Kit with 5/16" x 70' line
SCH3100-19	Schaefer Lead Kit with 3/8" x 90' line



Halyard Restrainers

Use Halyard Restrainers to correct the angle between halyard sheave and the furler swivel. Important to prevent halyard wrap.

Part No.	Max Line Dia.	SWL
SCH78-74	3/8"	750 Lbs
SCH78-75	5/8"	2,000 Lbs
H944	Use with Unit 0 and 1	
H945	Use with Unit 2 and 3	
SCH32-80	1/2"	2,000 Lbs





Free Flying Sail Furlers & Headstay Foils

◆ Free Flying Sail Furlers ◆

Harken Reflex® Furlers

Unlike the previous generation of free-flying sail furlers which often resulted in partial or uneven furling, the new Harken Reflex furler furls with speed and control. Quick-release modular T-fitting allows single drive unit to handle multiple sails. Reflex cable is more torsionally resistant to corkscrewing than the current breed of textile cable. Braided stainless steel wire filaments over braided polyester core transmit torque to head swivel through both tension and compression for faster furling (textile cable transmits through tension only). Smooth polymer cable jacket protects sails against abrasion.



Sold as a kit including furling drum w/swivel tack fitting, halyard swivel, Reflex® torsion cable and clamps.

Part No.	Unit	Included Cable Length
H7351.10.16M	1	53'
H7351.10.18M	1	60'
H7351.10.20M	1	66'
H7352.10.20M	2	66'
H7352.10.23M	2	75'
H7352.10.25M	2	82'
H7353.10.22M	3	72'
H7353.10.26M	3	85'



Size	Intended application	Typical Boat Length		Max Sail Area	
		m	ft	m ²	ft ²
Unit 1	Assymetric Spinnaker	7.5 - 11	25-36	112	1,200
	Code Zero	6.7 - 10	22-32	60	650
Unit 2	Assymetric Spinnaker	10 - 14	34 - 45	168	1,800
	Code Zero	9 - 12	30 - 40	84	900
Unit 3	Assymetric Spinnaker	13 - 17.7	44 - 58	223	2,400
	Code Zero	12 - 16.5	39 - 54	158	1,700

Harken Reflex® Accessories

Part No.	Description
H7351.21	Unit 1 D-shackle threaded adapter
H7352.21	Unit 2 D-shackle threaded adapter
H7353.21	Unit 3 D-shackle threaded adapter
H7351.22	Unit 1 2:1/soft attachment threaded adapter
H7352.22	Unit 2 2:1/soft attachment threaded adapter
H7353.22	Unit 3 3:1/ soft attachment threaded adapter
H7351.26	Unit 1 Reflex tack swivel terminal for extra sails
H7352.26	Unit 2 Reflex tack swivel terminal for extra sails
H7353.26	Unit 3 Reflex tack swivel terminal for extra sails
H7351.27	Unit 1 Code 0 terminal
H7352.27	Unit 2 Code 0 terminal
H7353.27	Unit 3 Code 0 terminal
H7351.28	Unit 1 Head swivel for extra sails
H7352.28	Unit 2 Head swivel for extra sails
H7353.28	Unit 3 Head swivel for extra sails
H7371	Unit 1 Reflex torsion cable for extra sails, 5/16" (per Ft)
H7372	Unit 2 Reflex torsion cable for extra sails, 3/8" (per Ft)
H7373	Unit 3 Reflex torsion cable for extra sails, 13mm (per Ft)
H7357	Unit 1 Cable clamp (set of 2) for extra sails
H7358	Unit 2 Cable clamp (set of 2) for extra sails
H7367	Unit 3 Cable clamp (set of 2) for extra sails
H7356	Fairlead kit includes 2 fairleads, fairlead with cleat and aft block

Facnor FX+ Furlers

Facnor FX+ furlers fare strong and lightweight. The drum machined from a single block of aluminum and the hou is made from carbon composite. Purchase anti-torsion i and thimbles separately. FAST Tack Swivel must be purchased separately for top-down furling.



FX+ Furlers for Code 0 & Gennakers

Part No.	Boat	Sail Area	SWL
FAC-FX900+	20'-30'	322 sq'	900 lbs
FAC-FX1500+	30'-40'	590 sq'	1,500 lbs
FAC-FX2500+	40'-45'	968 sq'	2,500 lbs
FAC-FX4500+	42'-55'	1,500 sq'	4,500 lbs
FAC-FX7000+	55'-70'	2,690 sq'	7,000 lbs

FX+ FAST Tack Swivel for Assymetrical Spinnakers

Part No.	Boat	Sail Area
FAC2744	38'-46'	968 sq'
FAC2745	42'-52'	1,829 sq'
FAC2746	52'-65'	2,906 sq'

◆ Headstay Foils ◆

Tuff Luff from Schaefer Marine

The classic TuffLuff design features a clean and uncomplicated system engineered from the highest quality materials with no moving parts. Complete kit includes extrusion, feeder, and prefeeder.



Complete Kit	Max Headstay	Max Wire	Max Rod	Luff Tape
SCH1205	36-40'	1/4"	-10	#5 (4mm)
SCH1205	46-50'	1/4"	-10	#5 (4mm)
SCH1706	46-50'	5/16"	-17	#6 (5mm)
SCH1706	59-63'	5/16"	-17	#6 (5mm)
SCH2206	59-63'	3/8"	-22	#6 (5mm)
SCH2206	72-76'	3/8"	-22	#6 (5mm)
SCH3007	80-86'	7/16"	-30	#7 (6mm)
SCH4807	95-101'	9/16"	-48	#7 (6mm)
SCH6008	110-116'	5/8"	-60	#8 (7mm)
SCH7608	130-136'	5/8"	-76	#8 (7mm)
SCH76-30	Replacement Prefeeder			

Replacement parts for TuffLuff such as Feeders, Top Caps, and Spacer Tubers are also available. Please contact us for more information.

Harken Carbo Racing Foil



Low-friction twin headsail grooves are ultra smooth for exceptionally easy hoists, douses, and sail changes. Replacement foils also available.



Part No.	Max Wire	Max Rod	Max Headstay	Luff Tape Size
H7000.9M	1/4"	-10	33'6"	#5
H7000.12M	1/4"	-10	43'4"	#5
H7000.15M	1/4"	-10	53'2"	#5
H7001.12M	5/16"	-17	43'4"	#6
H7001.16M	5/16"	-17	56'5"	#6
H7001.20M	5/16"	-17	69'6"	#6
H7002.16M	3/8"	-25	56'6"	#6
H7002.20M	3/8"	-25	69'7"	#6
H7002.24M	3/8"	-25	82'9"	#6
H7003.24M	7/16"	-30	82'9"	#6, #7
H7003.28M	7/16"	-30	95'9"	#6, #7
H7006	Replacement Prefeeder			
H7000.30	Unit 0 Chafe Guard			
H7001.30	Unit 1 Chafe Guard			
H7002.30	Unit 2 Chafe Guard			



Harken Battcar Systems

Harken Battcar Systems helps to raise, douse, and reef with ease. Less expensive than most boom furlers without the need for a custom made new sail.

Monohull		Multihull		
System	Boat Size	Max Sail Area	Boat Size	Max Sail Area
AA	up to 37'	350ft ²	up to 30'	275ft ²
A	37'-50'	600ft ²	30'-40'	500ft ²
B	50'-60'	900ft ²	40'-50'	700ft ²
C	60'-90'	1,940ft ²	50'-70'	1,510ft ²



Battcar Track

Part No.	System	Description	Fastening Method	Length
H3817	AA	Slug-Mount Track	Mounting Slugs	80-3/4"
H2707.2M	AA	Micro Track	Drilled Tap	80-3/4"
H3807	A	Slug-Mount Track	Mounting Slugs	80-3/4"
H2720.2.1M	A	Small Boat Track	Drilled Tap	80-3/4"
H3844	B	Slug-Mount Track	Mounting Slugs	81-1/8"
HR27.2M	B	Midrange Track	Drilled Tap	80-3/4"
H3853	C	Slug-Mount Track	Mounting Slugs	81-15/16"
HR32.2.1M	C	Big Boat Track	Drilled Tap	80-3/4"

Mounting Kits and Endstops

Flat Mast Groove Gap

Part No.	System	Description	Min.	Max.
H3818	AA	Round Mast Groove Mount Kit	n/a	n/a
H3819	AA	Flat Mast Groove Mount Kit	5/16"	7/16"
H3820	AA	Wide Flat Mast Groove Mount Kit	7/16"	1/2"
H3804	A	Round Mast Groove Mount Kit	n/a	n/a
H3805	A	Flat Mast Groove Mount Kit	5/16"	7/16"
H3806	A	Wide Flat Mast Groove Mount Kit	7/16"	5/8"
H3845	B	Mount Kit-Sys B CB Round	7/16"	5/8"
H3846	B	Flat Mast Groove	7/16"	5/8"
H3864	B	Flat Mast Groove (for Selden Mast C)	3/8"	7/16"



Head Board Car



Intermediate Car



Battcar

Head Board Car Assembly

Part No.	System	Description	MWL
H3813	AA	CB Headboard Car Assembly	440 lbs
H3811	A	Headboard Car Assembly	1,600 lbs
H3827	A	Headboard Car Assembly	1,600 lbs
H3852	B	Headboard Car Assembly	3,200 lbs
H3833	B	Headboard Car Assembly	3,200 lbs
H3867	C	Headboard Car Assembly	6,300 lbs

Intermediate Car

Part No.	System	Description	MWL
H3814	AA	Slider Intermediate Car	130 lbs
H3815	AA	CB Intermediate Car	130 lbs
H3812	A	Intermediate Car	600 lbs
H1777	A	Low-Load Intermediate Car	200 lbs
H3828	A	Intermediate Car	350 lbs
H3863	B	Intermediate Car	524 lbs
H3836	B	Intermediate Car	1,260 lbs
H3860	B	Reef Car	1,600 lbs
H3871	C	Intermediate Car	1,530 lbs
H3873	C	Reef Car	3,150 lbs

Battcar

Part No.	System	Description	MWL
H3816	AA	CB Battcar / 10mm Stud	220 lbs
H3829	A	Battcar / 10mm Stud	600 lbs
H3830	A	Battcar / 40mm Receptacle	600 lbs
H3831	A	Universal Battcar	600 lbs
H3802	A	Battcar / 10mm Stud	350 lbs
H3803	A	Battcar / 40mm Receptacle	350 lbs
H3856	B	Battcar / 10mm Stud	1,260 lbs
H3857	B	Battcar / 12mm Stud	1,260 lbs
H3879	B	Battcar / 14mm Stud	1,260 lbs
H3859	B	Universal Battcar	1,260 lbs
H3834	B	Battcar / 10mm Stud	1,260 lbs
H3835	B	Battcar / 12mm Stud	1,260 lbs
H3868	C	Battcar / 12mm Stud	2,100 lbs
H3869	C	Battcar / 14mm Stud	2,100 lbs
H3870	C	Battcar / 16mm Stud	2,100 lbs
H3872	C	Universal Battcar	2,100 lbs

Lazy Jack Kits



Part No.	Manufacturer	Boat Size	Boom Length
H252	Harken	21'-28'	7'-13'
SCH99-62	Schaefer	24'-29'	8'-10'
H253	Harken	27'-37'	10'6"-16'
SCH99-63	Schaefer	30'-36'	10'-12'
H254	Harken	35'-42'	12'-16'
SCH99-64	Schaefer	37'-48'	12'-16'

Furling Mainsail Outhaul Systems



H3076



H1648



H6061

Part No.	Description	Track	Max Work Load
H3076	CB Outhaul Car	32mm/BB	3,000 lbs
H1648	CB Outhaul Car	27mm/MR	2,300 lbs
H6061	Clew Block	N/A	3,000 lbs



Visit www.harken.com for more specs