



X5, Phoenix Catamarans © Phoenix Catamarans

MKIV JIB REEFING & FURLING

Nothing beats the MKIV Jib Reefing & Furling line for effortless headsail control and great sail shape for optimal speed. With its ability to reef, simply furl and unfurl instead of changing sails to suit conditions, reduce speed, or gain visibility off the bow. Split drum removes for racing. Five sizes fit boats from 6.5 - 24.4 m (22' - 80').



Low-friction efficiency for easy furling and reefing

- Multiple rows of Torlon® ball bearings in high-load areas minimize friction.
- Stacked bearing races evenly distribute radial and thrust loads; drum and halyard swivel turn freely under load.
- Foils rotate around headstay so headstay load is isolated from the furling unit for easy furling.
- Large inner spool diameter increases mechanical advantage for powerful reefing and furling.

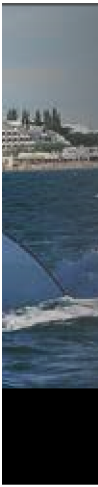
Stands up to sun, salt, and time

- Aluminum line guide, torque tube, and swivels deep-separation hardcoat-anodized, UV-stabilized for durability.
- Lip-guard polyurethane coating for wear protection.
- Specially formulated low-stretch black line is abrasion and UV-resistant; standard on units 0, 1, 2.
- Aerodynamic, clear-anodized aluminum handle handle extreme reefing loads.
- Triple-interlock foil joints withstand years of torque loading; foil connectors' geometric shape interlocks with foil; secures with syringe-injected adhesive; screws provide final lock.



Foil joints

DO NOT use Parken equipment for human suspension unless product is specifically certified and labeled for such use.



Improved sail shape and boat control

- Independent halyard and tack swivels furl sail center before head and tack for improved sail shape when reefed.
- Lightweight aluminum halyard swivel saves weight aloft to reduce pitching and heeling.



Split drum removes easily for racing

- Line guard and spool remove easily for use with full-hoist sails.



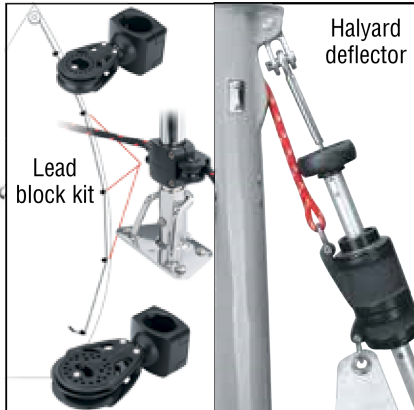
Fast hoists, douses, reefs, and sail changes

- Precision-extruded, double-groove Air foils for smooth sail handling and fast sail changes.
- Stainless steel feeder allows fast singlehanded hoist and sail changes.



Designed for easy installation

- Small outside drum dimension fits narrow bows or belowdeck.
- C-shaped open connectors with low-friction plastic isolators easily slip onto leadstay wire and into foil.
- Drum assembly fits over existing turnbuckle allowing easy length adjustment. Harken toggle assembly accepts standard turnbuckle using swage rod, Norseman or STA-LOK terminals.
- Eye-jaw toggle flips for fork or tang chainplate installation.



Accessories

- Lead block kit: Easy-to-mount ball bearing blocks lead line aft; fit 25 mm (1") stanchions.
- Halyard deflector: Install above the foil to prevent halyards from wrapping around the foil when furling.



Easy to maintain

- Bearings require no lubrication or isolating seals.



- Stainless steel link plates raise the drum and fit over existing turnbuckle, resist scratches, and can be easily repolished.

Harken is a registered trademark of Solvay Advanced Polymers L.L.C.
STA-LOK is a registered trademark of STA-LOK Terminals.

MKIV Unit 0 Typical Boat Length 6.5 - 9.1 m (22' - 30')

Wire Ø (1 x 19 SS)	Rod Ø	Clevis pin Ø
4, 5, 6 mm ($\frac{5}{32}$ ", $\frac{3}{16}$ ", $\frac{1}{32}$ ")	-4, -6 (4.37, 5.03 mm)	7.9, 9.5, 11.1 mm ($\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ "*)
Headstay Length	Standard 11.77 m (38'7"); max 13.9 m (45'7")	
Part No.	Description	
7410.10	Furling system	
Toggle Assembly Required - sold separately		
7410.20 5/16	Eye/jaw reversible toggle assembly with 7.9 mm ($\frac{5}{16}$ "*) clevis pin	
7410.20 3/8	Eye/jaw reversible toggle assembly with 9.5 mm ($\frac{3}{8}$ "*) clevis pin	
7410.20 7/16	Eye/jaw reversible toggle assembly with 11.1 mm ($\frac{7}{16}$ "*) clevis pin	
Optional Parts		
7410.30	Extra 2.13 m (7') luff foil extrusion	
7410.31	Extra 165 mm (6 $\frac{1}{2}$ ") connector with bushings	
7420 -4	-4 Rod adaptor stud (thread Ø UNF $\frac{7}{16}$ "*)	
7421 -6	-6 Rod adaptor stud (thread Ø UNF $\frac{7}{16}$ "*)	

*Use with conventional turnbuckle.

MKIV Unit 1 Typical Boat Length 8.3 - 11 m (28' - 36')

Wire Ø (1 x 19 SS)	Rod Ø	Clevis pin Ø
6, 7, 8 mm ($\frac{1}{4}$ ", $\frac{9}{32}$ ", $\frac{5}{16}$ ")	-8, -10, -12 (5.72, 6.35, 7.14 mm)	12.7, 15.9 mm ($\frac{1}{2}$ ", $\frac{5}{8}$ "*)
Headstay Length	Standard 13.99 m (45'11"); max 16.12 m (52'11")	
Part No.	Description	
7411.10	Furling system	
Toggle Assembly Required - sold separately		
7411.20 1/2	Eye/jaw reversible toggle assembly with 12.7 mm ($\frac{1}{2}$ "*) clevis pin	
7311.20 1/2	Jaw/jaw toggle assembly with 12.7 mm ($\frac{1}{2}$ "*) clevis pin	
7311.20 5/8	Stud/jaw toggle assembly with 15.9 mm ($\frac{5}{8}$ "*) clevis pin (thread Ø UNF $\frac{5}{8}$ " LH)	
7311.21 1/2	Long link plate with toggle assembly with 12.7 mm ($\frac{1}{2}$ "*) clevis pin	
7311.21 5/8	Long link plate with toggle assembly with 15.9 mm ($\frac{5}{8}$ "*) clevis pin	
Optional Parts		
7411.30	Extra 2.13 m (7') luff foil extrusion	
7411.31	Extra 178 mm (7") connector with bushings	
7422 -8	-8 rod adaptor stud (thread Ø UNF $\frac{1}{2}$ "*)	
7423 -10	-10 rod adaptor stud (thread Ø UNF $\frac{1}{2}$ "*)	
7424 -12	-12 rod adaptor stud (thread Ø UNF $\frac{5}{8}$ "*)	

*Use with conventional turnbuckle.

7410.30
7411.30



7410.31
7411.31

7420 -4
7421 -6
7422 -8
7423 -10
7424 -12



7410.20 5/16
7410.20 3/8
7410.20 7/16
7411.20 1/2



7311.20 1/2



7311.20 5/8



7311.21 1/2
7311.21 5/8



Cuba Libre, Twister 36, 11.2 m (36.75'), Weigel Anita Weigel, naval architect: Robert Roginski © Katarzyna Roginska

MKIV Unit 2 Typical Boat Length 10.6 - 14.2 m (35' - 46')

Wire Ø (1 x 19 SS)	Rod Ø	Clevis pin Ø
8, 10 mm (5/16", 3/8")	-12, -17, -22 (7.14, 8.38, 9.53 mm)	15.9, 19.1 mm (5/8", 3/4")
Headstay Length	Standard 18.38 m (60'4"); max 20.51 m (67'4")	
Part No.	Description	
7412.10	Furling system	
Toggle Assembly Required - sold separately		
7412.20 5/8	Eye/jaw reversible toggle assembly with 15.9 mm (5/8") clevis pin	
7312.20 5/8	Jaw/jaw toggle assembly with 15.9 mm (5/8") clevis pin	
7312.20 3/4	Stud/jaw toggle assembly with 19.1 mm (3/4") clevis pin (thread Ø UNF 3/4" LH)	
7312.21 5/8	Long link plate with toggle with 15.9 mm (5/8") clevis pin	
7312.21 3/4	Long link plate with toggle with 19.1 mm (3/4") clevis pin	
Optional Parts		
7412.30	Extra 2.13 m (7') luff foil extrusion	
7412.31	Extra 229 mm (9") connector with bushings	
7424 -12	-12 rod adaptor stud (thread Ø UNF 5/8")*	
7425 -17	-17 rod adaptor stud (thread Ø UNF 5/8")*	
7426 -22	-22 rod adaptor stud (thread Ø UNF 3/4")*	

*Use with conventional turnbuckle.

MKIV Unit 3 Typical Boat Length 13.7 - 18.3 m (45' - 60')

Wire Ø (1 x 19 SS)	Rod Ø	Clevis pin Ø
11, 12 mm (7/16", 1/2")	-22, -30 (9.53, 11.10 mm)	19.1, 22.2 mm (3/4", 7/8")
Headstay Length	Standard 22.76 m (74'8"); max 24.89 m (81'8")	
Part No.	Description	
7413.10	Furling system*	
Toggle Assembly Required - sold separately		
7413.20 3/4	Jaw/jaw with short link plate with 19.1 mm (3/4") clevis pin	
7413.20 7/8	Jaw/jaw with short link plate with 22.2 mm (7/8") clevis pin	
7313.21 3/4	Long link plate with toggle with 19.1 mm (3/4") clevis pin	
7313.21 7/8	Long link plate with toggle with 22.2 mm (7/8") clevis pin	
Optional Parts		
7413.30	Extra 2.13 m (7') luff foil extrusion	
7413.31	Extra 248 mm (9 7/8") connector with bushings	
7426 -22	-22 rod adaptor stud (thread Ø UNF 3/4")**	
7427 -30	-30 rod adaptor stud (thread Ø UNF 7/8")**	

*Line not included. **Use with conventional turnbuckle.

MKIV Unit 4 Typical Boat Length 19.8 - 24.4 m (65' - 80')

Wire Ø (1 x 19 SS)	Rod Ø	Clevis pin Ø
12, 14, 16 mm (1/2", 9/16", 5/8")	-30, -40, -48 (11.10, 12.7, 14.3 mm)	22.2, 25.4, 28.57 mm (7/8", 1", 1 1/8")
Headstay Length	Standard 22.88 m (75'1"); max 27.15 m (89'1")	
Part No.	Description	
7414.10	Furling system*	
Toggle Assembly Required - sold separately		
7414.20 7/8	Jaw/jaw with short link plate with 22.2 mm (7/8") clevis pin	
7414.20 1	Jaw/jaw with short link plate with 25.4 mm (1") clevis pin	
7414.20 1 1/8	Jaw/jaw with short link plate with 28.57 mm (1 1/8") clevis pin	
Optional Parts		
7414.30	Extra 2.13 m (7') luff foil extrusion	
7414.31	Extra 270 mm (10 3/4") connector	
7427 -30	-30 rod adaptor stud**	
7428 -40	-40 rod adaptor stud**	
7429 -48	-48 rod adaptor stud**	

*Line not included. **Use with conventional turnbuckle.

7412.30
7413.30
7414.30

7412.31
7413.31
7414.31

7424 -12
7425 -17
7426 -22
7427 -30
7428 -40
7429 -48

7412.20 5/8

7312.20 5/8

7312.20 3/4

7413.20 3/4
7413.20 7/8
7414.20 7/8
7414.20 1
7414.20 1 1/8

7312.21 5/8
7312.21 3/4
7313.21 3/4
7313.21 7/8

