

Small Boat Furling

Small Boat Furlers

Harken® Small Boat furling systems allow the trailerable cruising or dinghy sailor to set and furl the jib from the cockpit. Drums and halyard swivels feature multiple stacked races of Delrin® or Torlon® bearings for smooth rotation under load. Small Boat units are for furling only, not reefing.

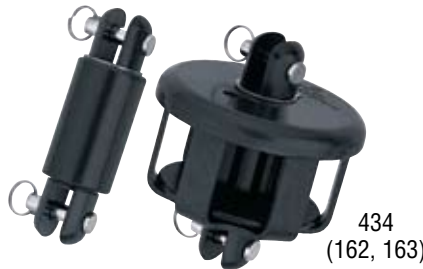
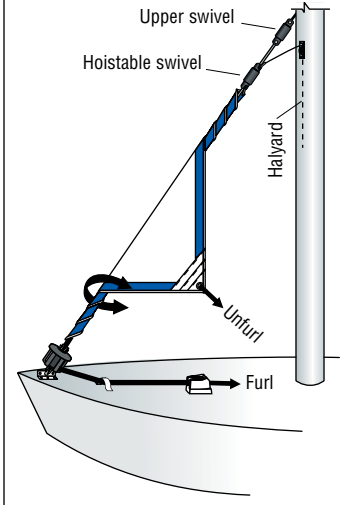
Hoistable Swivels

An optional hoistable ball bearing halyard swivel can be installed on your headstay so you can raise or lower the sail without removing the headstay. Swivels are independent of the headstay, allowing you to tension the luff separately from the mast rake. Hoistable swivels work along with your standard Harken Small Boat furler.

The high-load Small Boat furler with hoistable halyard is available as a kit.

Use for:

- 434** Dinghies under 16 ft (4.9 m)
- 435** Dinghies to 20 ft (6.1 m)
Catamarans to 18 ft (5.5 m)
- 436** Cruising boats to 25 ft (7.6 m)
Catamarans to 23 ft (7 m)



SMALL BOAT FURLERS

Components (if ordering separately)

Upper swivel Part No.	Hoistable swivel Part No.	Drum Part No.	Weight						Fits furler
			Upper swivel		Hoistable swivel		Drum		
			oz	g	oz	g	oz	g	
162	—	163	2.6	74	—	—	5	142	434
164	464	165	2.6	74	2.9	82	5	142	435
207	465	208	9.2	261	8.9	252	13.6	386	436

Furlers

Part No.	Description	Pin-to-pin length		Drum Ø		Line Ø		Jaw width		Max luff wire Ø		Clevis pin Ø		Weight		Maximum working load	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	oz	g	lb	kg
434	Furler‡	2½	64	2⅞	73	⅝	4	⅞	8	⅞	3	⅜	6	7.6	215	500	227
435	High-load furler‡	2½	64	2⅞	73	⅝	4	⅞	8	⅞	3	⅜	6	7.6	215	950	431
436	Cruising furler‡	4	102	4⅜	106	⅜	6	⅞	10	⅞	5	⅝	8	22.8	646	2000	907
464	Halyard swivel/hole for 4 mm wire	4⅜*	124*	—	—	—	—	—	—	⅝	4	⅝	4	2.9	82	810	367
465	Halyard swivel/hole for 5 mm wire	5⅞*	144*	—	—	—	—	—	—	⅝	5	⅝	5	8.9	252	1190	540
482	Halyard swivel/hole for 6 mm wire	7⅞*	193	—	—	—	—	—	—	⅞	6	⅞	6	16.8	477	3000	1361
483	Furler kit/hoistable halyard***	2½**	64**	2⅞	73	⅝	4	⅞	8	⅝	4	⅜	6	11.2	318	950	431

*Shackle to shackle **Tang hole to tang hole ***Includes drum, upper swivel, and hoistable swivel †Includes drum and upper swivel

Small Boat Underdeck Furling

Underdeck Furlers

Small Boat underdeck furling units are ideal for sportboats and daysailers from 16 to 30 ft (4.8 m to 9 m). The drum is located beneath the deck, lowering the tack height for maximized sail area. The single through-deck ball joint provides a low-profile, nearly watertight system that aligns the spool to the headstay. Like all Small Boat furlers, the underdeck furler is for furling only, not reefing.

Hoistable Swivels

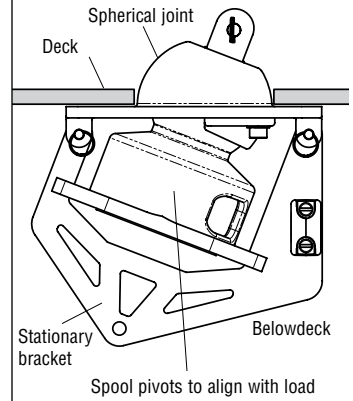
An optional hoistable ball bearing halyard swivel can be installed on your headstay so you can raise or lower the sail without removing the headstay. Swivels are independent of the headstay, allowing you to tension the luff separately from the mast rake. Hoistable swivels work along with your standard Harken Small Boat furler.

Tack Adapter Tangs

Stainless steel tack adapter tangs are used to adapt clevis pin diameters on headstays to the standard clevis pin size that comes on the Harken unit. A third hole accepts lashing to adjust jib luff tension.



UNDERDECK FURLERS



HOISTABLE SWIVELS



TACK ADAPTER TANGS



Turnbuckle eye on stationary bracket attaches to an underdeck chainplate



Fairlead feeds line onto the spool

Components (if ordering separately)

Upper swivel Part No.	Hoistable swivel Part No.	Drum Part No.	Weight						Fits furler
			Upper swivel		Hoistable swivel		Drum		
			oz	g	oz	g	oz	g	
164	464	HC9226	2.6	74	2.9	82	5	142	477
HCP141	482	HC9976	15	431	16.8	477	81	2296	478

Part No.	Description	Pin-to-pin length		Drum Ø		Line Ø		Jaw width		Max luff wire Ø		Clevis pin Ø		Weight		Maximum working load	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	oz	g	lb	kg
477	Underdeck furler/small**	6 ¹ / ₈	156	3 ¹ / ₈	79	5 ⁵ / ₃₂	4	5 ⁵ / ₁₆	8	1 ¹ / ₈	3	1 ¹ / ₄	6	23.3	661	950	431
478	Underdeck furler/large**	10 ⁷ / ₃₂	260	5	127	5 ⁵ / ₃₂	4	1 ¹ / ₂	12	7 ⁷ / ₃₂	6	7 ¹ / ₁₆	11	96	2721	3000	1361
479	4 mm tack adapter tang	1 ¹ / ₂ *	38*	—	—	—	—	1 ¹ / ₂	12	5 ⁵ / ₃₂	4	5 ⁵ / ₁₆ ***	8***	5.2	147	3000	1361
480	5 mm tack adapter tang	1 ¹ / ₂ *	38*	—	—	—	—	1 ¹ / ₂	12	3 ³ / ₁₆	5	3 ³ / ₁₆ ***	10***	5.2	147	3000	1361
481	6 mm tack adapter tang	1 ¹ / ₂ *	38*	—	—	—	—	1 ¹ / ₂	12	7 ⁷ / ₃₂	6	7 ⁷ / ₁₆ ***	11***	5.2	147	3000	1361

*Tang hole to tang hole **Includes drum and upper swivel ***Fits 478. Upper tang hole pin size listed.

MKIV Underdeck Jib Reefing & Furling

FOR PERFORMANCE RACING AND CRUISING SAILORS

Harken's MKIV Underdeck Furling is the perfect solution for performance racers and cruisers that want an aerodynamic system with a minimal amount of equipment above deck. The drum is located beneath the deck, lowering the tack height for maximized sail area.

DETAILS MAKE THE DIFFERENCE

EASY REEFING AND FURLING

Ball bearings between the center hub and deck bearing provide low-friction furling.

DURABLE MATERIALS AND CONSTRUCTION

Size 1 and larger: Aluminum line guard, torque tube and swivels are deep-saturation Hardkote-anodized for no-fade UV stabilization and durability. The Hardkote-anodized line guard is urethane coated for additional corrosion protection.

The threaded height adjuster uses dissimilar metals (stainless steel and bronze) to prevent galling.

Size 0: A one-piece integrated deck bearing and line guard provides durability and corrosion resistance.

EASY TO MAINTAIN

The furler can be flushed clean with detergent water like traditional furling.

The through-deck bearing minimizes water seepage into the underdeck compartment.

1. Torque Tube Houses Full-Length Turnbuckle

The torque tube houses a full-length turnbuckle for optimal mast rake and tension adjustment.

2. Articulating Torque Tube Attachment

A torque tube universal joint on Units 1, 2, and 3 provides a high-strength universal connection to allow ample headstay sag when sailing downwind.

The Unit 0 features an articulating ball joint, eliminating the universal joint and toggle to reduce weight and to simplify maintenance.

3. Belowdeck Drum Fits Narrow Bows

The small outside drum diameter lets unit fit inside narrow bows.

4. Installation Options

Units 1 and larger have self-locking threaded height adjusters for a correct fit between the chainplate and deck.

The Unit 0 does not need a height adjuster. The furler and headstay are independent of each other, allowing flexible installation options.

1



Unit 0



2

Unit 1 and larger



Unit 0



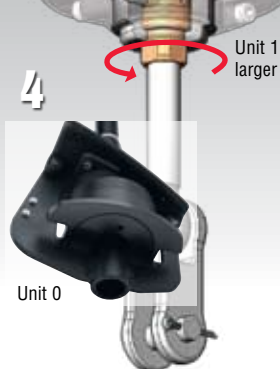
3

Unit 1 and larger



4

Unit 1 and larger



Unit 0

DO NOT use Harken equipment for human suspension.

MKIV Underdeck Unit 0

Typical Boat Length 22' - 30' (6.7 - 9.1 m)

Wire Ø (1 x 19 SS)	Rod Ø	Clevis Pin Ø
$\frac{3}{16}$ ", $\frac{7}{32}$ " (5, 6 mm)	-4, -6 (4.37, 5.03 mm)	—
Headstay Length Standard 38'4 $\frac{1}{8}$ " (11.7 m); max 45'7 $\frac{1}{4}$ " (13.9 m)		
Part No.	Description	
7410.11	Underdeck Furling system	
Optional Parts		
7410.30	Extra 7' (2.13 m) luff foil extrusion	
7410.31	Extra 7" (178 mm) connector with bushings	

MKIV Underdeck Unit 1

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

Wire Ø (1 x 19 SS)	Rod Ø	Clevis Pin Ø
$\frac{1}{2}$ ", $\frac{3}{16}$ ", $\frac{5}{16}$ " (6, 7, 8 mm)	-8, -10 (5.72, 6.35 mm)	$\frac{1}{2}$ " (12.7 mm)
Headstay Length Standard 45'11" (13.99 m); max 52'11" (16.12 m)		
Part No.	Description	
7411.11 1/2	Underdeck Furling system with $\frac{1}{2}$ " (12.7 mm) clevis pin	
Optional Parts		
7411.30	Extra 7' (2.13 m) luff foil extrusion	
7411.31	Extra 7" (178 mm) connector with bushings	

MKIV Underdeck Unit 2

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

Wire Ø (1 x 19 SS)	Rod Ø	Clevis Pin Ø
$\frac{5}{16}$ ", $\frac{3}{8}$ " (8, 10 mm)	-12, -17 (7.14, 8.38 mm)	$\frac{5}{8}$ " (15.9 mm)
Headstay Length Standard 60'4" (18.38 m); max 67'4" (20.51 m)		
Part No.	Description	
7412.11 5/8	Underdeck Furling system with $\frac{5}{8}$ " (15.9 mm) clevis pin	
Optional Parts		
7412.30	Extra 7' (2.13 m) luff foil extrusion	
7412.31	Extra 9" (229 mm) connector with bushings	

MKIV Underdeck Unit 3

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

Wire Ø (1 x 19 SS)	Rod Ø	Clevis Pin Ø
$\frac{7}{16}$ ", $\frac{1}{2}$ " (11, 12 mm)	-22, -30 (9.53, 11.10 mm)	$\frac{3}{4}$ ", $\frac{7}{8}$ " (19.1, 22.2 mm)
Headstay Length Standard 75'1" (22.88 m); max 82'1" (25.02 m)		
Part No.	Description	
7413.11 3/4	Underdeck Furling system with $\frac{3}{4}$ " (19.1 mm) clevis pin	
7413.11 7/8	Underdeck Furling system with $\frac{7}{8}$ " (22.2 mm) clevis pin	
Optional Parts		
7413.30	Extra 7' (2.13 m) luff foil extrusion	
7413.31	Extra 9 $\frac{3}{4}$ " (248 mm) connector with bushings	

Dimensions

Unit	Part No.	A		B		C					
		Min in	Max mm	Min in	Max mm	Min in	Max mm	Min in	Max mm		
0	7410.11	6.89	175	—	—	5	30.4	—	—	—	
1	7411.11 1/2	10 $\frac{3}{8}$	270	15 $\frac{5}{8}$	397	5 $\frac{1}{2}$	140	4 $\frac{5}{8}$	117	9 $\frac{5}{8}$	244
2	7412.11 5/8	12 $\frac{11}{16}$	322	18 $\frac{9}{16}$	471	6 $\frac{5}{8}$	167	5 $\frac{3}{8}$	137	11 $\frac{5}{16}$	287
3	7413.11 3/4	16 $\frac{1}{8}$	410	23 $\frac{3}{8}$	600	8 $\frac{3}{16}$	208	6 $\frac{1}{8}$	175	14 $\frac{3}{8}$	365
3	7413.11 7/8	16 $\frac{7}{16}$	421	24 $\frac{1}{4}$	616	8 $\frac{3}{16}$	208	7 $\frac{5}{16}$	186	15	381



All MKIV Underdeck Furlers feature a ball bearing halyard swivel

7410.30
7411.30
7412.30
7413.30



7410.31
7411.31
7412.31
7413.31



7410.11

7411.11 1/2
7412.11 5/8
7413.11 3/4
7413.11 7/8