

### MKIV Underdeck Furling

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 spool mounts underneath the deck, reducing windage and providing an uncluttered bow. The tack of the sail is at deck level so wind flows smoothly across the sail and bow for efficient forward power.



Unit 1 and larger

Unit 0

### USES

The Harken Underdeck Furler minimizes windage and reduces clutter on deck.

### FEATURES

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

The torque tube is sized for a full-length turnbuckle, allowing optimal mast rake and tension adjustment.

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

Sizes 1, 2, and 3 feature a high-strength universal connection allowing maximum headstay sag for downwind sailing.

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

### MATERIALS

Sizes 1, 2, and 3: aluminum line guard, torque tube and swivels are Hardkote-anodized for durability. The line guard is urethane coated for additional 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.

### INSTALLATION

Sizes 1, 2 and 3 have self-locking threaded height adjusters for a correct fit between the chainplate and deck.

Size 0 does not require a height adjuster. The furler and headstay are independent of each other, allowing many installation options.

### MAINTENANCE

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

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



Torque tube houses turnbuckle



Unit 0: Articulating ball joint

Unit 1 and larger: Universal joint

# 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
3/16", 7/32" (5, 6 mm)	-4, -6 (4.37, 5.03 mm)	—

**Headstay Length** Standard 38'4" (11.7 m); max 45'4" (13.8 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

Unit 0



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

# MKIV Underdeck Unit 1

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

Wire Ø (1 x 19 SS)	Rod Ø	Clevis Pin Ø
1/4", 9/32", 5/16" (6, 7, 8 mm)	-8, -10 (5.72, 6.35 mm)	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 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
7422 -8	-8 Rod adaptor stud (thread Ø UNF 1/2")*
7423 -10	-10 Rod adaptor stud (thread Ø UNF 1/2")*

# 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
5/16", 3/8" (8, 10 mm)	-12, -17 (7.14, 8.38 mm)	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 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
7424 -12	-12 Rod adaptor stud (thread Ø UNF 5/8")*
7425 -17	-17 Rod adaptor stud (thread Ø UNF 5/8")*

\*Use with conventional turnbuckle

# 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
7/16", 1/2" (11, 12 mm)	-22, -30 (9.53, 11.10 mm)	3/4", 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 3/4" (19.1 mm) clevis pin
7413.11 7/8	Underdeck Furling system with 7/8" (22.2 mm) clevis pin

## Optional Parts

7413.30	Extra 7" (2.13 m) luff foil extrusion
7413.31	Extra 9 3/4" (248 mm) 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")*

\*Use with conventional turnbuckle

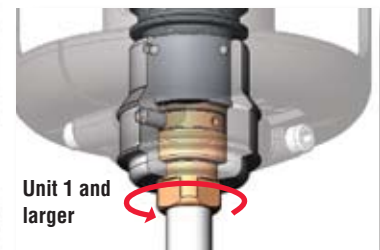
## Recommended Bow Compartment Lead Blocks



Unit	Turning	Thru-Deck
0/1	349	131
2	2652	047
3	2600/137/071	HC7981



7410.30	7410.31	7410.31
7411.30	7411.31	7411.31
7412.30	7412.31	7412.31
7413.30	7413.31	7413.31



Unit 1 and larger

A threaded height adjuster makes it easy to move the tack swivel to deck level for correct installation. Turning the bronze adjuster with a wrench moves the stud in or out of the hub, raising or lowering the furler. A spring-loaded pin in the adjustment assembly snaps into one of four indents, locking the stud and drum into place. Fine threading on the stud ensures precise height control.



All MKIV Underdeck furlers feature a ball bearing halyard swivel.

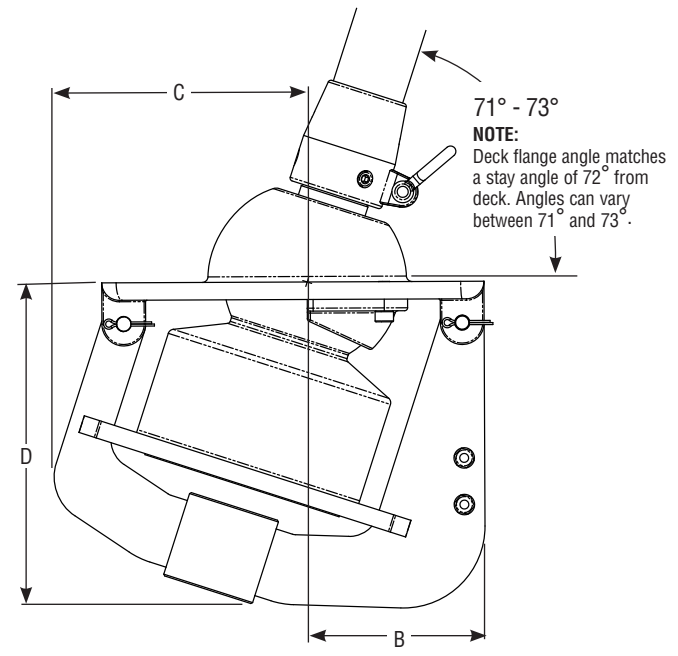
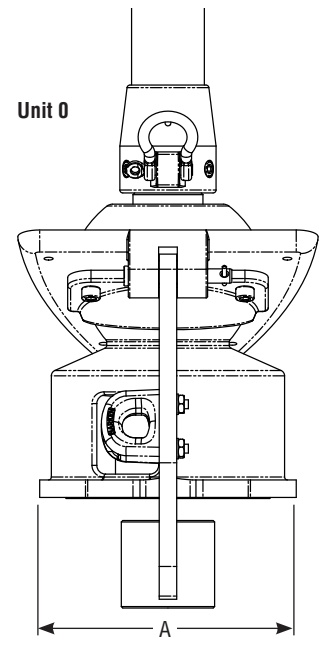
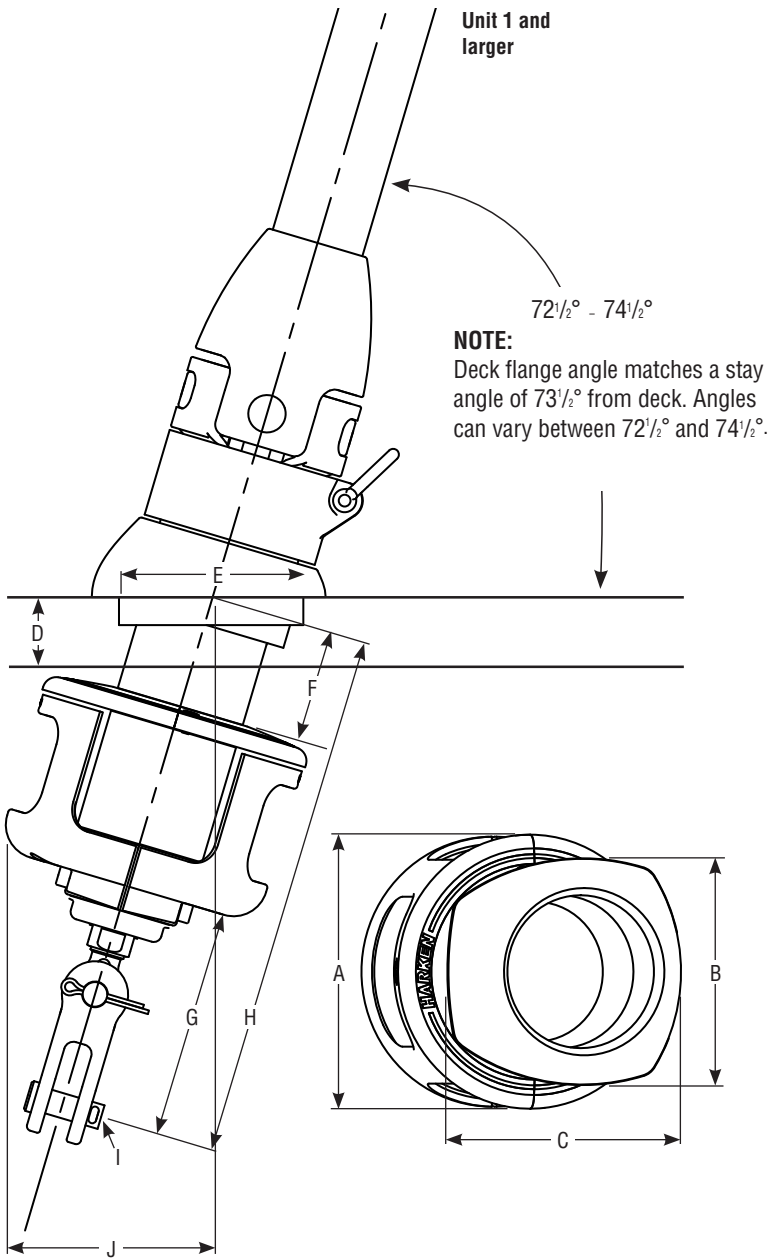
Independent halyard swivels furl sail center before head and tack for improved sail shape and upwind pointing.



Aerodynamic foil's double grooves and stainless steel feeder allow fast hoists, douses and sail changes.

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INNOVATIVE SAILING SOLUTIONS

# MKIV Underdeck Furling



## Dimensions

Unit	Part No.	A	B	C	D Max	E	F	G Min	G Max	H Min	H Max	I	J
0	7410.11	5 1/2" 140mm	3 25/32" 96mm	5 7/16" 138mm	6 29/32" 175mm	—	—	—	—	—	—	—	—
1	7411.11 1/2	5 1/2" 140mm	4 9/16" 116mm	4 11/16" 119mm	1 1/2" 38mm	3 11/16" 94mm	2 5/16" 58mm	4 5/8" 117mm	9 5/8" 244mm	10 5/8" 270mm	15 5/8" 397mm	1/2" 12.7mm	4 1/8" 105mm
2	7412.11 5/8	6 5/8" 167mm	5 1/16" 129mm	5 1/4" 134mm	1 13/16" 46mm	4 3/16" 106.5mm	2 3/4" 70mm	5 3/8" 137mm	11 5/16" 287mm	12 11/16" 322mm	18 9/16" 471mm	5/8" 15.9mm	5" 127mm
3	7413.11 3/4	8 3/16" 208mm	6 1/2" 166mm	6 3/4" 172mm	2 1/2" 64mm	5 7/16" 138.5mm	3 5/8" 92mm	6 7/8" 175mm	14 3/8" 365mm	16 1/8" 410mm	23 3/8" 600mm	3/4" 19.1mm	6 5/16" 160mm
3	7413.11 7/8	8 3/16" 208mm	6 1/2" 166mm	6 3/4" 172mm	2 1/2" 64mm	5 7/16" 138.5mm	3 5/8" 92mm	7 5/16" 186mm	15" 381mm	16 9/16" 421mm	24 1/4" 616mm	7/8" 22.2mm	6 5/16" 160mm

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