



RADIAL LINE WINCHES

Harken Radial Line winches have successfully balanced the need for a secure grip and line longevity with smooth, controlled easing while under load. Details sailors will appreciate: smaller winches that carry higher loads, stress-free seasonal maintenance, and one-person installation with easy upgrades to power. Nine sizes in multiple styles and finishes: aluminum, chrome, and bronze; 1-, 2-, and 3-speed self-tailing; manual, electric, or hydraulic drives.



Maximum holding power with minimum line wear

- Nonabrasive diagonal ribs on gripping surface hold line securely and reduce line wear; ribs shaped for each winch size and drum material.

Smooth, controlled easing

- Patented angle of ribs drives line wraps down when easing to keep them on area of drum that provides best control.

High-strength, lightweight

- Weight savings of 25 to 50 percent compared to Harken Classic winch line.
- High-strength composite roller bearings and bushings reduce friction under load.
- Load-carrying gears and pins are 17-4 PH stainless steel for strength, corrosion resistance.

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



Adjustable stripper arm integrated into winch top for safer operation

- Stripper arm completely covers rotating winch top, preventing fingers and clothing from catching in moving parts.
- Adjusts to multiple positions after the winch is mounted to optimize line exit.
- Shaped to smoothly feed line in and out of self-tailing jaws.



Power-grip jaws shaped for easy line entry, optimum hold

- Upper jaw adjusts under line pressure; accepts a variety of line sizes.
- Teeth grip evenly with or without load.



Simple to install, easy maintenance

- Patented mounting system for fast, one-person installation without removing drum.
 - a. Snap off the skirt at the base of the winch.
 - b. Slide bolts through the slots in the winch base and snap the plastic skirt back on.
 - c. Place the stud bolts into the predrilled holes on the deck and tighten from belowdeck.
- Snap-fit design keeps bearings captive when drum is removed for maintenance.
- Easy to disassemble for service on deck; socket, washer, and screw-top snap-fit together for mistake-free reassembly.
- Composite roller bearings don't require lubrication.



Powered Options

- Electric: vertical-mount motors; horizontal-mount motors offered with right- or left-mount option.
- Hydraulic: vertical-mount motor.

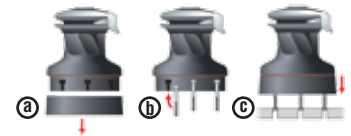
Easy upgrade from manual to power

- Manual winches easily convert to powered using patented conversion method.
- No adapter plate required; identical stud pattern to mount winches of the same size without drilling new holes in deck.

- A predrilled hole in deck by builder simplifies manual-to-electric conversion; removable gaskets offered to seal holes until upgrade is made.

Energy-efficient motors accomplish more work per unit of electricity consumed

- Motors attach to central drive shaft and drive through winch gears for two-speed mechanical advantage.
- Low-power first gear for fast trimming; higher-power second gear for fine-tuning loaded sheets.



- Efficient design allows smaller motor size.

Manual override in case of power loss

- Harken locking handle inserted into an unloaded winch automatically disconnects motor gear for manual operation.



Aluminum & Chrome Radial Winches

About Radial winches: see feature pages at beginning of this section.



Series 15 and 20 winches use composite bushings to handle high loads in a small package.

WINCH Q&A

WHY DOES MY CHROME RADIAL LINE WINCH HAVE A DIFFERENT GRIP PATTERN THAN AN ALUMINUM RADIAL LINE WINCH?

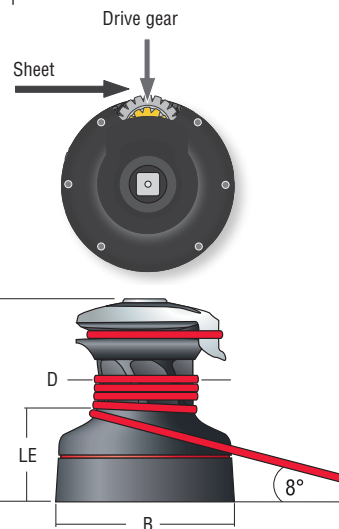
Chrome has a more slippery finish than aluminum, so the ribs on chrome winches are spaced closer together to increase friction. This optimizes your grip for trimming as well as for easing the sail in a smooth, controlled manner.



ALUMINUM RADIAL



CHROME RADIAL



Part No.	Drum (D)		Base (B)		Height (H)		Weight		Line entry height (LE)		Line Ø		Fastener circle	Fasteners (SH or HH)		Gear ratio			Power ratio			
	in	mm	in	mm	in	mm	lb	kg	in	mm	Min	Max		in	mm	in	mm	1	2	3	1	2
Aluminum Radial																						
15STA	2 7/8	73	4 3/4	120	5 1/2	139	4.6	2.1	2 1/4	58	1/4	6	3/8	10	3 15/16	100	5 x 1/4*	5 x 6	2.43			16.90
20STA	2 7/8	73	5 3/8	137	5 13/16	148	5.3	2.4	2 3/8	61	1/4	6	1/2	12	4 3/8	110	5 x 1/4*	5 x 6	2.76			19.20
35.2STA	3 1/8	80	5 7/8	149	6 11/16	170	7.9	3.6	3 1/8	79	5/16	8	1/2	12	4 7/8	123	5 x 1/4*	5 x 6	2.13	5.65		13.50 35.90
40.2STA	3 1/8	80	6 3/16	157	6 7/8	175	8.4	3.8	3 1/4	82	5/16	8	1/2	12	4 7/8	123	5 x 1/4*	5 x 6	2.13	6.28		13.50 39.90
46.2STA	3 7/8	100	7 1/4	184	7 15/16	201	11.5	5.2	3 9/16	90	5/16	8	9/16	14	5 7/8	150	5 x 5/16	5 x 8	2.30	9.17		11.70 46.50
50.2STA	4 5/16	110	7 5/8	194	8 5/16	212	13.2	6	3 7/8	97	5/16	8	9/16	14	5 7/8	150	5 x 5/16	5 x 8	2.40	10.90		10.90 50.40
60.2STA	4 3/4	120	9 5/16	236	9 11/16	246	22.5	10.2	4 9/16	116	5/16	8	5/8	16	8	204	6 x 5/16	6 x 8	4.80	14.40		20.30 61.00
60.3STA	4 3/4	120	9 5/16	236	9 11/16	246	25.8	11.7	4 9/16	116	5/16	8	5/8	16	8	204	6 x 5/16	6 x 8	2.20	4.80	14.40	9.20 20.30 61.00
70.2STA	5 1/8	130	9 7/16	240	10 1/16	256	24.9	11.3	4 1/2	115	3/8	10	11/16	18	8 1/8	205	6 x 5/16	6 x 8	5.70	18.50		22.20 72.00
70.3STA	5 1/8	130	9 7/16	240	10 1/16	256	28.3	12.8	4 1/2	115	3/8	10	11/16	18	8 1/8	205	6 x 5/16	6 x 8	2.30	5.70	18.50	9.00 22.20 72.00
80.2STA	6 7/8	175	11 5/16	287	12 9/16	320	46.8	21.2	6 7/16	164	3/8	10	11/16	18	9 3/16	233	8 x 3/8	8 x 10	9.94	32.12		28.85 93.24
80.3STA	6 7/8	175	11 5/16	287	12 9/16	320	50.1	22.7	6 7/16	164	3/8	10	11/16	18	9 3/16	233	8 x 3/8	8 x 10	2.76	9.94	32.12	8.01 28.85 93.24
Chrome Radial																						
20STC	2 7/8	73	5 3/8	137	5 13/16	148	7.5	3.4	2 3/8	61	1/4	6	1/2	12	4 3/8	110	5 x 1/4*	5 x 6	2.76			19.20
35.2STC	3 1/8	80	5 7/8	149	6 11/16	170	10.6	4.8	3 1/8	79	5/16	8	1/2	12	4 7/8	123	5 x 1/4*	5 x 6	2.13	5.65		13.50 35.90
40.2STC	3 1/8	80	6 3/16	157	6 7/8	175	11.9	5.4	3 1/4	82	5/16	8	1/2	12	4 7/8	123	5 x 1/4*	5 x 6	2.13	6.28		13.50 39.90
46.2STC	3 7/8	100	7 1/4	184	7 15/16	201	17.2	7.8	3 9/16	90	5/16	8	9/16	14	5 7/8	150	5 x 5/16	5 x 8	2.30	9.17		11.70 46.50
50.2STC	4 5/16	110	7 5/8	194	8 5/16	212	20.3	9.2	3 7/8	97	5/16	8	9/16	14	5 7/8	150	5 x 5/16	5 x 8	2.40	10.90		10.90 50.40
60.2STC	4 3/4	120	9 5/16	236	9 11/16	246	30.7	13.9	4 9/16	116	5/16	8	5/8	16	8	204	6 x 5/16	6 x 8	4.80	14.40		20.30 61.00
60.3STC	4 3/4	120	9 5/16	236	9 11/16	246	34	15.4	4 9/16	116	5/16	8	5/8	16	8	204	6 x 5/16	6 x 8	2.20	4.80	14.40	9.20 20.30 61.00
70.2STC	5 1/8	130	9 7/16	240	10 1/16	256	33.3	15.1	4 1/2	115	3/8	10	11/16	18	8 1/8	205	6 x 5/16	6 x 8	5.70	18.50		22.20 72.00
70.3STC	5 1/8	130	9 7/16	240	10 1/16	256	36.6	16.6	4 1/2	115	3/8	10	11/16	18	8 1/8	205	6 x 5/16	6 x 8	2.30	5.70	18.50	9.00 22.20 72.00
80.2STC	6 7/8	175	11 5/16	287	12 9/16	320	63.4	28.7	6 7/16	164	3/8	10	11/16	18	9 3/16	233	8 x 3/8	8 x 10	9.94	32.12		28.85 93.24
80.3STC	6 7/8	175	11 5/16	287	12 9/16	320	66.7	30.2	6 7/16	164	3/8	10	11/16	18	9 3/16	233	8 x 3/8	8 x 10	2.76	9.94	32.12	8.01 28.85 93.24

*SH only

White & All-Chrome Radial Winches

About Radial winches: see feature pages at beginning of this section.



B6CCA
B8CCA

CLASSIC PLAIN-TOP CHROME



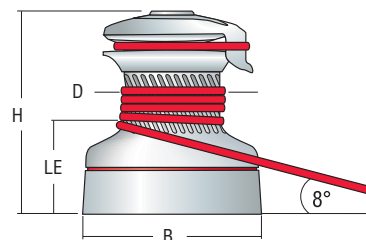
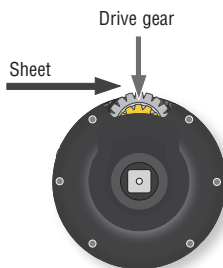
Polar Bear, 8.36 m (27.43'), Chantier des Ileaux, naval architect: Paolo Bua © Valerie Lanata



WHITE RADIAL



ALL-CHROME RADIAL



Part No.	Drum (D)		Base (B)		Height (H)		Weight		Line entry height (LE)		Line Ø				Fastener circle		Fasteners (SH or HH)		Gear ratio			Power ratio		
	in	mm	in	mm	in	mm	lb	kg	in	mm	Min	Max	in	mm	in	mm	in	mm	1	2	3	1	2	3
Chrome Classic: plain-top																								
B6CCA	2 3/8	60	3 9/16	90	3 1/4	82	2.9	1.3	1 5/16	33						2 9/16	65	6 x 1/4**	6 x 6**	1				8.4
B8CCA	2 11/16	68	4 1/2	115	3 9/16	90	4.6	2.1	1 1/2	38						3 9/16	90	4 x 5/16**	4 x 8**	1				7.5
White Radial: self-tailing																								
20STCW	2 7/8	73	5 3/8	137	5 13/16	148	7.5	3.4	2 3/8	61	1/4	6	1/2	12	4 3/8	110	5 x 1/4*	5 x M6	2.76					19.20
35.2STCW	3 1/8	80	5 7/8	149	6 11/16	170	10.6	4.8	3 1/8	79	5/16	8	1/2	12	4 7/8	123	5 x 1/4*	5 x M6	2.13	5.65				13.50 35.90
40.2STCW	3 1/8	80	6 3/16	157	6 7/8	175	11.9	5.4	3 1/4	82	5/16	8	1/2	12	4 7/8	123	5 x 1/4*	5 x M6	2.13	6.28				13.50 39.90
46.2STCW	3 7/8	100	7 1/4	184	7 15/16	202	17.2	7.8	3 9/16	90	5/16	8	9/16	14	5 7/8	150	5 x 5/16	5 x M8	2.30	9.17				11.70 46.50
50.2STCW	4 5/16	110	7 5/8	194	8 5/16	212	20.3	9.2	3 7/8	97	5/16	8	9/16	14	5 7/8	150	5 x 5/16	5 x M8	2.40	10.90				10.90 50.40
60.2STCW	4 3/4	120	9 5/16	236	9 11/16	246	30.7	13.9	4 9/16	116	5/16	8	5/8	16	8	204	6 x 5/16	6 x M8	4.80	14.40				20.30 61.00
60.3STCW	4 3/4	120	9 5/16	236	9 15/16	253	34	15.4	4 9/16	116	5/16	8	5/8	16	8	204	6 x 5/16	6 x M8	2.20	4.80	14.40	9.20	20.30	61.00
70.2STCW	5 1/8	130	9 7/16	240	10 1/16	256	33.3	15.1	4 1/2	115	3/8	10	11/16	18	8 1/8	205	6 x 5/16	6 x M8	5.70	18.50				22.20 72.00
70.3STCW	5 1/8	130	9 7/16	240	10 3/8	264	36.6	16.6	4 1/2	115	3/8	10	11/16	18	8 1/8	205	6 x 5/16	6 x M8	2.30	5.70	18.50	9.00	22.20	72.00
All-Chrome Radial: plain-top																								
20.2PTCCC	2 7/8	73	5 3/8	137	5 1/16	128	7.9	3.6	2 3/8	61						4 3/8	110	5 x 1/4*	5 x M6	1.00	2.76			6.95 19.20
35.2PTCCC	3 1/8	80	5 7/8	149	5 13/16	148	11.5	5.2	3 1/8	79						4 7/8	123	5 x 1/4*	5 x M6	2.13	5.65			13.50 35.90
40.2PTCCC	3 1/8	80	6 3/16	157	6	153	13.5	6.1	3 1/4	82						4 7/8	123	5 x 1/4*	5 x M6	2.13	6.28			13.50 39.90
46.2PTCCC	3 7/8	100	7 1/4	184	7 1/16	179	21.4	9.7	3 9/16	90						5 7/8	150	5 x 5/16	5 x M8	2.30	9.17			11.70 46.50
50.2PTCCC	4 5/16	110	7 5/8	194	7 1/2	190	25.6	11.6	3 7/8	97						5 7/8	150	5 x 5/16	5 x M8	2.40	10.90			10.90 50.40
All-Chrome Radial: self-tailing																								
20STCCC	2 7/8	73	5 3/8	137	5 13/16	148	8.6	3.9	2 3/8	61	1/4	6	1/2	12	4 3/8	110	5 x 1/4*	5 x M6	2.76					19.20
35.2STCCC	3 1/8	80	5 7/8	149	6 11/16	170	12.1	5.5	3 1/8	79	5/16	8	1/2	12	4 7/8	123	5 x 1/4*	5 x M6	2.13	5.65				13.50 35.90
40.2STCCC	3 1/8	80	6 3/16	157	6 7/8	175	13.7	6.2	3 1/4	82	5/16	8	1/2	12	4 7/8	123	5 x 1/4*	5 x M6	2.13	6.28				13.50 39.90
46.2STCCC	3 7/8	100	7 1/4	184	7 15/16	202	19.6	8.9	3 9/16	90	5/16	8	9/16	14	5 7/8	150	5 x 5/16	5 x M8	2.30	9.17				11.70 46.50
50.2STCCC	4 5/16	110	7 5/8	194	8 5/16	212	22.9	10.4	3 7/8	97	5/16	8	9/16	14	5 7/8	150	5 x 5/16	5 x M8	2.40	10.90				10.90 50.40
60.2STCCC	4 3/4	120	9 5/16	236	9 11/16	246	33.9	15.4	4 9/16	116	5/16	8	5/8	16	8	204	6 x 5/16	6 x M8	4.80	14.40				20.30 61.00
60.3STCCC	4 3/4	120	9 5/16	236	9 3/8	253	37.3	16.9	4 9/16	116	5/16	8	5/8	16	8	204	6 x 5/16	6 x M8	2.20	4.80	14.40	9.20	20.30	61.00
70.2STCCC	5 1/8	130	9 7/16	240	10 1/16	256	36.8	16.7	4 1/2	115	3/8	10	11/16	18	8 1/8	205	6 x 5/16	6 x M8	5.70	18.50				22.20 72.00
70.3STCCC	5 1/8	130	9 7/16	240	10 3/8	264	40.1	18.2	4 1/2	115	3/8	10	11/16	18	8 1/8	205	6 x 5/16	6 x M8	2.30	5.70	18.50	9.00	22.20	72.00

*SH only. **FH only.

Bronze Radial Winches

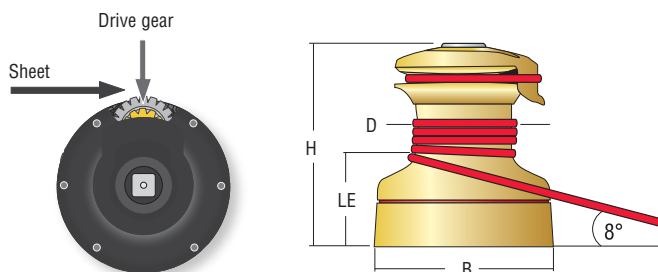
About Radial winches: see feature pages at beginning of this section.



Sakonnet 23, 7.06 m (23'2"), Marshall Marine Corp., naval architect: Joel White © Kristen Marshall / Marshall Marine Corp.



B6BBA
B8BBA



Part No.	Drum (D)		Base (B)		Height (H)		Weight		Line entry height (LE)		Line Ø		Fastener circle		Fasteners (SH or HH)		Gear ratio			Power ratio				
	in	mm	in	mm	in	mm	lb	kg	in	mm	in	mm	in	mm	in	mm	1	2	3	1	2	3		
Bronze Classic: plain-top																								
B6BBA	2 3/8	60	3 9/16	90	3 1/4	82	2.9	1.3	1 5/16	33			2 9/16	65	6 x 1/4**	6 x 6**	1					8.4		
B8BBA	2 11/16	68	4 1/2	115	3 9/16	90	4.6	2.1	1 1/2	38			3 9/16	90	4 x 5/16**	4 x 8**	1					7.5		
Bronze Radial: plain-top																								
20.2PTBBB	2 7/8	73	5 3/8	137	5 1/16	128	7.9	3.6	2 3/8	61			4 3/8	110	5 x 1/4*	5 x M6	1	2.76			6.95	19.20		
35.2PTBBB	3 1/8	80	5 7/8	149	5 13/16	148	11.5	5.2	3 1/8	79			4 7/8	123	5 x 1/4*	5 x M6	2.13	5.65			13.50	35.90		
40.2PTBBB	3 1/8	80	6 3/16	157	6	153	13.5	6.1	3 1/4	82			4 7/8	123	5 x 1/4*	5 x M6	2.13	6.28			13.50	39.90		
46.2PTBBB	3 7/8	100	7 1/4	184	7 1/16	179	21.4	9.7	3 9/16	90			5 7/8	150	5 x 5/16	5 x M8	2.30	9.17			11.70	46.50		
50.2PTBBB	4 5/16	110	7 5/8	194	7 1/2	190	25.6	11.6	3 7/8	97			5 7/8	150	5 x 5/16	5 x M8	2.40	10.90			10.90	50.40		
Bronze Radial: self-tailing																								
20STBBB	2 7/8	73	5 3/8	137	5 13/16	148	8.6	3.9	2 3/8	61	1/4	6	1/2	12	4 3/8	110	5 x 1/4*	5 x M6	2.76			19.20		
35.2STBBB	3 1/8	80	5 7/8	149	6 11/16	170	12.1	5.5	3 1/8	79	5/16	8	1/2	12	4 7/8	123	5 x 1/4*	5 x M6	2.13	5.65		13.50	35.90	
40.2STBBB	3 1/8	80	6 3/16	157	6 7/8	175	13.7	6.2	3 1/4	82	5/16	8	1/2	12	4 7/8	123	5 x 1/4*	5 x M6	2.13	6.28		13.50	39.90	
46.2STBBB	3 7/8	100	7 1/4	184	7 15/16	202	19.6	8.9	3 9/16	90	5/16	8	9/16	14	5 7/8	150	5 x 5/16	5 x M8	2.30	9.17		11.70	46.50	
50.2STBBB	4 5/16	110	7 5/8	194	8 5/16	212	22.9	10.4	3 7/8	97	5/16	8	9/16	14	5 7/8	150	5 x 5/16	5 x M8	2.40	10.90		10.90	50.40	
60.2STBBB	4 3/4	120	9 5/16	236	9 11/16	246	33.9	15.4	4 9/16	116	5/16	8	5/8	16	8	204	6 x 5/16	6 x M8	4.80	14.40		20.30	61.00	
60.3STBBB	4 3/4	120	9 5/16	236	9 3/8	253	37.3	16.9	4 9/16	116	5/16	8	5/8	16	8	204	6 x 5/16	6 x M8	2.20	4.80	14.40	9.20	20.30	61.00
70.2STBBB	5 1/8	130	9 7/16	240	10 1/16	256	36.8	16.7	4 1/2	115	3/8	10	11/16	18	8 1/8	205	6 x 5/16	6 x M8	5.70	18.50		22.20	72.00	
70.3STBBB	5 1/8	130	9 7/16	240	10 3/8	264	40.1	18.2	4 1/2	115	3/8	10	11/16	18	8 1/8	205	6 x 5/16	6 x M8	2.30	5.70	18.50	9.00	22.20	72.00

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