

1111



AMERICA'S CUP TECHNOLOGY

The 1111 received a full engineering review for the 2007 America's Cup. The refined design is several kilograms lighter. The 1111 continues to be the favorite of many America's Cup, Volvo Ocean Race, and Grand Prix teams.

1111STAC

1111PTAC

USES

The 1111 frequently serves as a primary, mainsheet, runner, or utility winch.

FEATURES

A wide drum retrieves line quickly and provides the extra surface area to secure high-tech lines.

The self-tailing 1111ST features Harken's patented Step Stripper system that accommodates line diameters from 6 to 19 mm.

For fast downwind trimming, a first gear lock temporarily limits 3-speed versions to the first and second gears.

The winch can be trimmed by motor or pedestal for power, or with a standard winch handle for fine-tune control.

The gear button for the 1:1 direct drive gear is easy to engage and disengage.

MATERIALS

Aerospace prepreg lamination techniques and autoclave curing maximize the stiffness and strength of carbon fiber jaws and drum.

The base housing and drum are 6061-T6 aluminum for maximum strength and reliability.

1111AC versions feature treated titanium gears and components that are extremely lightweight and provide superior free-spinning performance.

OPTIONS

Winches can be ordered with 4 speeds instead of 3, and recent models can be retrofitted with a kit.

Adding a free-spinning carbon fiber base sheave enables cross-sheeting.

A left-handed configuration is available.

INSTALLATION

Harken recommends professional installation.

MAINTENANCE

Clean and grease racing winches regularly as described in the product manual.

Part No.	Gear ratio				Power ratio 10" (254 mm) crank				Power ratio 9" (228 mm) crank				Fastener circle		Fasteners	
	1	2	3	4	1	2	3	4	1	2	3	4	in	mm	in	mm
B1111.3STR	1:1	9.7:1	44.7:1	—	1.8:1	17.6:1	81:1	—	—	—	—	—	10 ²¹ / ₃₂	271	8 x 3/8 SH	8 x 10 SH
B1111.3TCR	1:1	9.7:1	44.7:1	—	1.8:1	17.6:1	81:1	—	—	—	—	—	10 ¹¹ / ₁₆	271	8 x 3/8 SH	8 x 10 SH
B1111PTAC	1:1	3:1	9.7:1	44.7:1	1.8:1	5.4:1	17.6:1	81:1	1.6:1	4.8:1	15.8:1	73:1	10 ²¹ / ₃₂	271	8 x 3/8 SH	8 x 10 SH
B1111STAC	1:1	3:1	9.7:1	44.7:1	1.8:1	5.4:1	17.6:1	81:1	1.6:1	4.8:1	15.8:1	73:1	10 ²¹ / ₃₂	271	8 x 3/8 SH	8 x 10 SH

Part No.	Drum Ø		Base Ø				Height		Weight		Line Ø				Line entry height (LE)	
	in	mm	w/sheave in	w/sheave mm	w/o sheave in	w/o sheave mm	in	mm	lb	kg	Min in	Min mm	Max in	Max mm	in	mm
B1111.3STR	11 ¹ / ₃₂	280	—	—	14 ³ / ₁₆	360	9 ⁷ / ₁₆	236	50.3	22.8	7/16	11	3/4	19	3 ¹¹ / ₁₆	94
B1111.3TCR	11 ¹ / ₃₂	280	—	—	14 ³ / ₁₆	360	8 ³ / ₃₂	207	41	18.6	—	—	—	—	3 ¹¹ / ₁₆	94
B1111PTAC	11 ¹ / ₃₂	280	14 ³ / ₁₆	360	14 ³ / ₁₆	360	8 ¹⁹ / ₃₂	218	—	—	—	—	—	—	3 ¹¹ / ₁₆	94
B1111STAC	11 ¹ / ₃₂	280	14 ³ / ₁₆	360	14 ³ / ₁₆	360	9 ³ / ₃₂	236	—	—	7/16	11	3/4	19	3 ¹¹ / ₁₆	94