

Captive Reel Winches

Harken® Captive Reel winches, produced by James Nilsson Winchmakers, provide a convenient push-button solution for megayachts and large cruising boats. Featuring a one- or two-speed hydraulic motor, they are noted for their reliable design, detailed construction, and quality materials.

Components

Modular construction allows servicing without removing the winch assembly. The Hardkote-anodized frame and components are marine-grade 5083 and 6000 aluminum. Lubricated bearings are sealed and dry-run bearings are made with low-maintenance synthetics.

Gearbox

The hub-drive gearbox inside the 316 stainless steel drum uses precision gearing to time the lead screw for exact line placement.

Switches

Proximity switches prevent over-travel. Automatic failsafe switches shut down the winch completely.

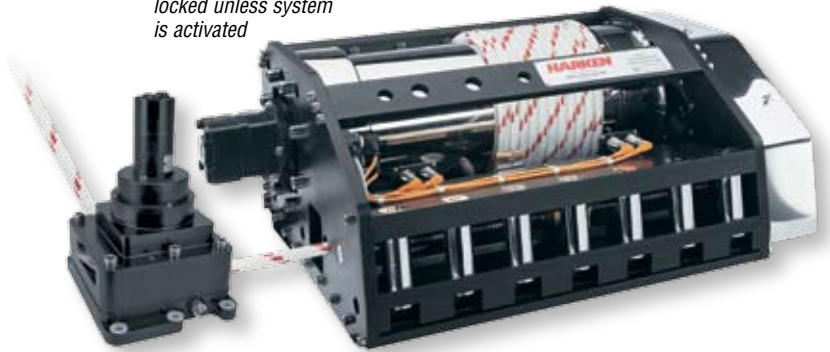
Valve block and tensioner

Mounted onto or independently from the winch, the valve block incorporates a counterbalance valve, brake operating shuttle, and line tensioner. The tensioner spools line onto the drum evenly and keeps it clear of the winch housing.

Automatic disc brake between motor and gearbox is always locked unless system is activated

Precise gearing provides even line take-up and release

316 stainless steel drums



Line tensioner removes slack when spooling and unspooling

Choice of port or starboard lead exits



Redundant proximity switches prevent over-travel



Lead screw and sheave allow line to lie smoothly on the drum—even when slack

Power/Sheet Size Guide

Part No.	Pull		Hold		Line Ø				Max pressure		Flow rate	
	lb	kg	lb	kg	Min	Max	Min	Max	PSI	Bar	gal/min	l/min
CR22SL	3300	1500	3900	1800	1/2	12	9/16	14	2247	155	14.74	56
CR27SL	5292	2400	6615	3000	1/2	12	5/8	16	3045	210	15.79	60
CR33SLLT	2205	1000	2646	1200	1/2	12	5/8	16	2465	170	10.00	38
CR33SL	8820	4000	11025	5000	1/2	12	13/16	20	3480	240	23.68	90
CR33SLHD	11025	5000	15436	7000	1/2	12	13/16	20	2683	185	36.84	140
CR40SL	17640	8000	24256	10000	5/8	16	1	26	3118	215	52.63	200
CR40SLHD	24256	11000	28666	13000	5/8	16	1	26	3698	255	52.63	200
CR50SL	26461	12000	30871	14000	3/4	18	1 1/16	30	3118	215	68.42	260
CR50SLHD	33076	15000	39691	18000	3/4	18	1 3/16	30	3408	235	68.42	260

Loads and converted sizes are guides only. Winches are customized to application. Line speeds can vary with each winch and power configuration

Active Line Storage Guide

Line Ø		CR22SL		CR27SL		CR33SLLT		CR33SL		CR33SLHD		CR40SL		CR40SLHD		CR50SL		CR50SLHD	
in	mm	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m
1/2	12	56	17	115	35	131	40	157	48	213	65	—	—	—	—	—	—	—	—
9/16	14	46	14	98	30	112	34	131	40	184	56	—	—	—	—	—	—	—	—
5/8	16	—	—	89	27	98	30	115	35	161	49	200	61	276	84	—	—	—	—
11/16	18	—	—	—	—	—	—	101	31	141	43	177	54	243	74	220	67	312	95
3/4	20	—	—	—	—	—	—	92	28	128	39	157	48	217	66	197	60	279	85
7/8	22	—	—	—	—	—	—	—	—	—	—	141	43	197	60	177	54	253	77
15/16	24	—	—	—	—	—	—	—	—	—	—	131	40	180	55	164	50	230	70
1	26	—	—	—	—	—	—	—	—	—	—	118	36	165	50	151	46	213	65
1	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	138	42	197	60
1 1/16	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	131	40	184	56

Line storage lengths are guides only. Winches are customized to application