

# Ordering Winches

## 1. Choose Drum Material, Speed & Style

**Aluminum:** aluminum Radial winches in 1-, 2-, and 3-speed self-tailing or plain-top.

Aluminum classic single-speed, plain-top winches in sizes 6 and 8; 2- and 3-speed self-tailing winches sizes 980 and up in aluminum or aluminum/stainless.

**Chrome:** Chrome Radial winches feature chrome drums with black or white composite bases and tops; 1-, 2-, and 3-speed self-tailing.

All-chrome Radial winches have chrome bases, drums, and tops; 1-, 2- and 3-speeds; self-tailing or plain-top.

**Stainless Steel:** stainless steel winches have stainless bases, drums, and tops; 2-, and 3-speed self-tailing; 4-speed winches in some larger sizes.

**Bronze:** bronze Radial winches in 1-, 2-, and 3-speeds; self-tailing or plain-top styles.

**Carbon Fiber:** carbon fiber winches in 2- and 3-speed self-tailing or top-cleating.

To order large cruising, Megayacht, and Grand Prix racing winches, please contact Harken.

**Powered Winches:** choose electric or hydraulically driven winches and components. To order hydraulic winches, please contact Harken.

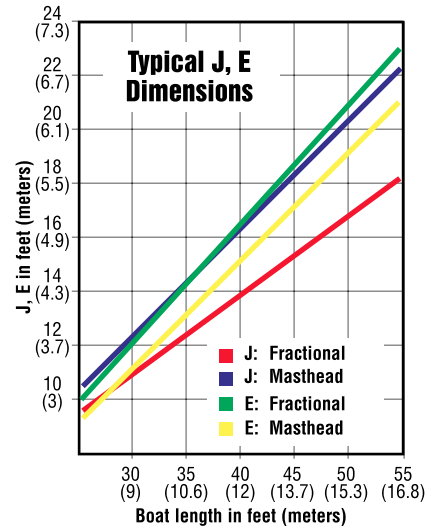
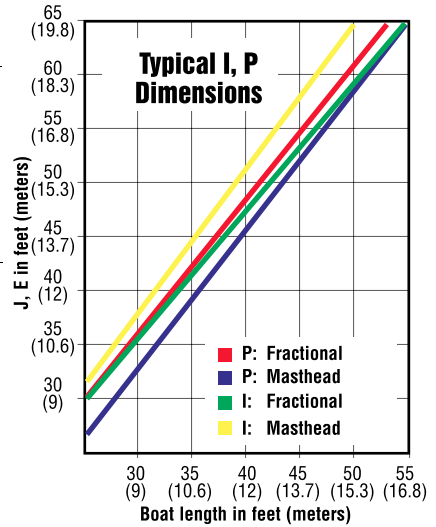
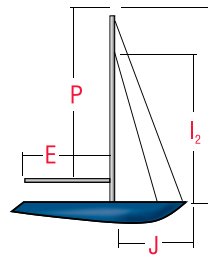
## 2. Determine size

The **Sizing Chart** selects winches for different applications and rig dimensions. If unsure of the dimensions, use the **Typical Dimensions** graphs. To order large Grand Prix and Megayacht winches, please contact Harken.

## 3. Choose Ball Bearing Handle

Plain or lock-in handles in chromed bronze, bronze, and aluminum; Speedgrip and standard styles in 203 and 254 mm (8 and 10") lengths.

Rig Dimensions



## Sizing Chart

Winch size	Genoa				Mainsail					Spinnaker					Staysail			
	Sheet		Halyard		End-boom mainsheet		Halyard		Reef		Sheet		Halyard		Topping lift/foreguy		Halyard	
	Max sail area 100% foretriangle (I x J x .5)		Max I		4:1 sheet max sail area (P x E x .5)		Max P		Max P		Max sail area (I x J x 1.8)		Max I		Max I		Max I <sub>2</sub>	
	ft <sup>2</sup>	m <sup>2</sup>	ft	m	ft <sup>2</sup>	m <sup>2</sup>	ft	m	ft	m	ft <sup>2</sup>	m <sup>2</sup>	ft	m	ft	m	ft	m
6	75	7	25	7.6	—	—	25	7.6	34	10.4	500	46.5	25	7.6	35	10.7	25	7.6
8	115	10.5	36	11	150	14	32	9.8	40	12.2	800	74	36	11	44	13.4	37	11.3
15	135	12.5	39	12	194	18	34	10.5	43	13	893	83	39	12	47	14.2	39	12
20	155	14.5	42	12.8	230	21	38	11.6	46	14	975	91	42	12.8	50	15.2	42	12.8
35	225	21	48	14.6	335	30	43	13.1	53	16.2	1135	105	48	14.6	56	17	48	14.6
40	270	25	54	16.5	410	38	49	14.9	57	17.4	1240	115	54	16.5	61	18.6	54	16.5
46	365	34	69	21	625	58	64	19.5	73	22.2	1530	142	68	20.7	78	23.8	69	21
50	390	36	73	22.2	700	65	68	20.7	78	23.8	1750	162	74	22.5	82	25	73	22.2
60	525	49	82	25	850	79	80	24.4	92	28	2200	204	85	25.9	98	29.9	82	25
70	590	55	86	26.2	1000	93	85	25.9	97	29.6	3000	279	91	27.7	108	33	86	26.2
80	950	88	100	30.5	1350	125	102	31.1	—	—	—	—	105	32	—	—	—	—