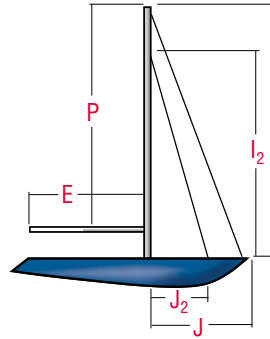


Use Chart

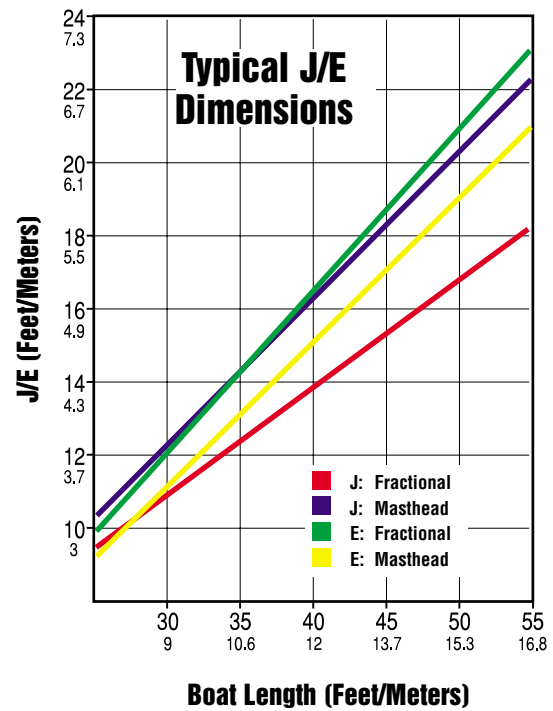
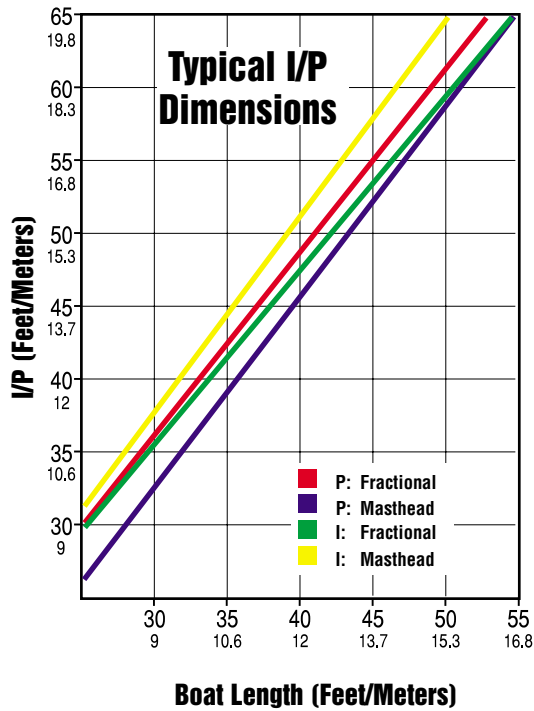
This winch use chart will give good results, but it requires that you know the exact dimensions for your boat. If you do not know your exact dimensions, use the graphs below for average dimensions for your size and type of boat, but be sure to confirm the dimensions before ordering a winch.

Rig dimensions have precise definitions under the racing rules; those shown are general descriptions only.

Whenever there is a question regarding winch selection, please contact Harken.



Definitions	
I	Distance from the deck to the top of the foretriangle
I ₂	Distance from deck to staysail halyard
J	Distance from front of mast to headstay at deck level
J ₂	Distance from front of mast to inner headstay
P	Length of mainsail luff
E	Length of mainsail foot



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 ₂	
	ft ²	m ²	ft	m	ft ²	m ²	ft	m	ft	m	ft ²	m ²	ft	m	ft	m	ft	m
6	75	7	25	7.6	—	—	25	7.6	34	10.4	500	46	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	10.9	44	13.4	37	11.3
16	155	14.5	42	12.8	230	21	38	11.6	46	14	975	91	42	12.8	50	15.2	42	12.8
32	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
42	310	29	59	18	500	46.5	54	16.5	63	19.2	1315	122	59	18	66	20.1	59	18
44	340	31.5	64	19.5	560	52	59	18	68	20.7	1400	130	64	19.5	73	22.2	64	19.5
46	365	34	69	21	625	58	64	19.5	73	22.2	1530	142	68	20.7	78	23.8	69	21
48	390	36	73	22.2	700	65	68	20.7	78	23.8	1750	162	74	22.5	82	25	73	22.2
53	435	40	77	23.5	765	72	73	22.2	85	25.9	1960	182	79	24	90	27.4	77	23.5
56	525	49	82	25	850	79	80	24.4	92	28	2200	204	85	25.9	98	29.9	82	25
64	590	55	86	26.2	1000	93	85	25.9	97	29.6	3000	279	91	27.7	108	33	86	26.2
66	695	64.5	92	28	1200	111	94	28.7	106	32.3	3500	325	96	29.2	—	—	—	—
74	950	88	100	30.5	1350	125	102	31.1	—	—	—	—	105	32	—	—	—	—