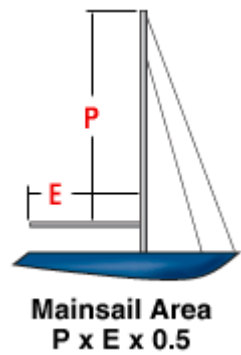


# Ordering Battcar Systems

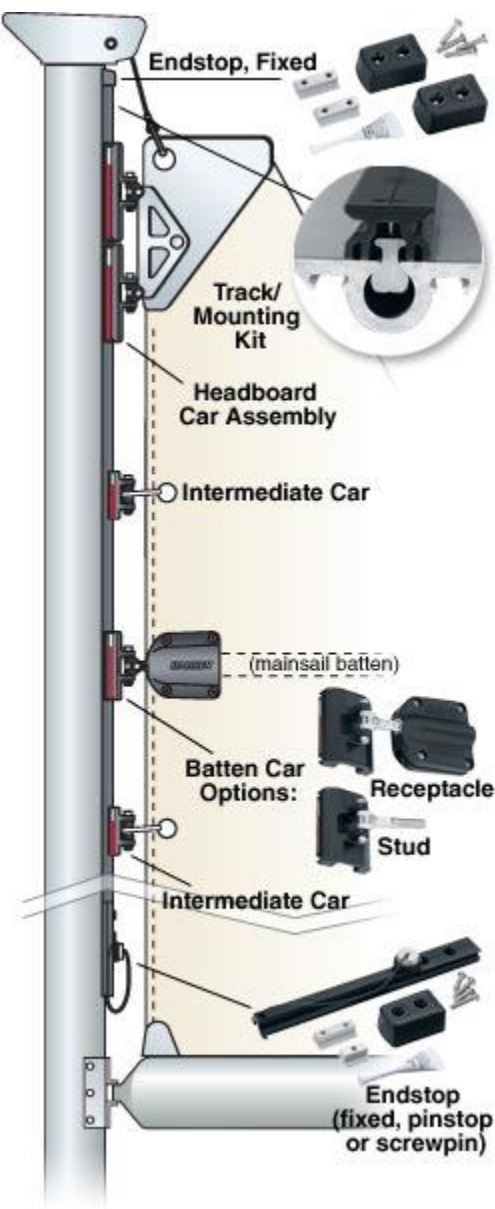
## 1. Determine System Size

The four sizes, Systems AA, A, B, and C, are based on sail area. If you need to reduce car stack height on mast, contact Harken about our Switch T-Track Battcar Systems.



### Monohulls

System size	Maximum sail area		Typical boat length	
	ft <sup>2</sup>	m <sup>2</sup>	ft	m
AA	350	32	to 37	to 11.3
A	600	56	37-50	11.3-15.2
B	900	83	50-60	15.2-18.3
C	1940	180	60-90	18.3-27



Multihulls

System size	Maximum sail area		Typical boat length	
	ft <sup>2</sup>	m <sup>2</sup>	ft	m
AA	275	25	to 30	to 9.1
A	500	46	30-40	9.1-12.2
B	700	65	40-50	12.2-15.2
C	1510	140	50-70	15.2-21

2. Determine track quantity and type

Use Mainsail Luff Length chart to determine number of track sections.

Mainsail Luff Length

System AA Mainsail luff length		Number of 3817 track sections	System A Mainsail luff length		Number of 3807 track sections
ft	m				
19'7" - 26'3"	5.98 - 8.00	4	26'4" - 33'	8.03 - 10.06	5
26'4" - 33'	8.03 - 10.06	5	33'1" - 39'9"	10.08 - 12.11	6
33'1" - 39'9"	10.08 - 12.11	6	39'10" - 46'5"	12.13 - 14.16	7

39'10" - 46'5"	12.13 - 14.16	7	46'6" - 53'2"	14.19 - 16.21	8
			53'3" - 59'11"	16.24- 18.26	9

Track extends above sail luff. Using screwpin endstop kits will increase lengths.

System B			System C		
Mainsail luff length		Number of 3844 track sections	Mainsail luff length		Number of 3853 track sections
ft	m				
39'10" - 46'6"	12.13 - 14.17	7	53'8" - 60'5"	16.36 - 18.42	9
46'7" - 53'3"	14.19 - 16.23	8	60'6" - 67'3"	18.45 - 20.50	10
53'4" - 60'	16.25 - 18.29	9	67'4" - 74'1"	20.53 - 22.58	11
60'1" - 66'9"	18.31 - 20.35	10	74'2" - 80'11"	22.61 - 24.66	12
66'10" - 73'6"	20.37 - 22.44	11	81' - 87'9"	24.69 - 26.74	13
			87'10" - 94'7"	26.77 - 28.82	14
			94'8" - 101'5"	28.85 - 30.90	15

Track extends above sail luff. Using screwpin endstop kits will increase lengths.

**Slug-mount:** Most common. Requires 1 slug-mount kit per track section. Select slug that matches the mast’s bolt rope groove shape.

**Drill-tap:** For masts without a bolt rope groove. Requires 1 splice link at each track joint.

**3. Choose endstop kit**

**Quick-release:** Includes screwpin or pinstop endstop for bottom of mast and fixed endstop for the top.

**Fixed:** Includes two fixed endstops.

**4. Choose cars**

Order 1 headboard, 1 Battcar for every full batten, and use the Intermediate Car Chart to determine number of intermediate cars.

**Intermediate Cars**

Distance between battens*		Intermediate cars between battens
ft	m	
8 or less	2.4 or less	1
9-13	2.7-4	2
14-16	4.3-4.9	3

\*Boats without full battens should use 1 intermediate CB or Slider car per 1.2 m (4 ft) and no Battcars



Intermediate Car

**CB system:** All captive ball bearing components. Lowest friction system for fast sail hoists, douses, and reefs.

**Combination system:** CB headboard and Battcars, Slider intermediate cars. Reduces cost but uses CB in

the most critical load areas.

**Slider system:** All Slider components. Raise and lower sails without struggling with a sail that gets jammed in the groove.

**Contact**

If you have any questions, please contact Fisheries Supply Co. at 800-426-6930.