

# Spinnaker Pole Cars

Harken spinnaker pole cars feature recirculating ball bearings to permit adjustment under load. They roll freely on low-beam traveler track to allow crew to adjust for optimal sail shape. Machined aluminum hardcoat-anodized races permit Tordon® bearings to transition smoothly from active to return race for smooth trimming or easing.

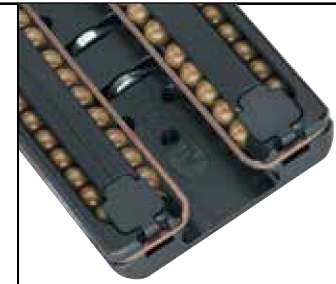
Cars feature captive ball bearings, making them easy to load onto the track and to maintain.

Strong, lightweight cars are constructed from one-piece solid aluminum that is Hard Lube-anodized for strength and durability.

Ring fittings are 17-4 PH stainless steel and accept piston pole ends for end-to-end jibing. Midrange and Big Boat cars accept two popular toggle studs and Harken ball-end fittings. Cars are also available from Harken's Custom Division.

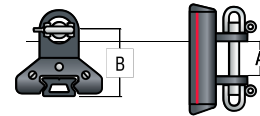
## Use for:

Spinnaker poles  
Whisker poles



Patented wire retaining clips keep balls captive, making cars easy to load and maintain. Composite corner keepers help keep ball bearings captive when the car is off the track. For a cost-effective option, CB+ cars can be modified to run on Harken non-CB track.

Cars fit low-beam track.



Pogo 50, 15.2 m (50'), Structures, Finot-Contq © Andreas Lindlahr



3188  
3189



1645  
1646  
1647



3097  
3098  
3099

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Forespar is a registered trademark of Forespar Products Corporation.

Part No.	Description	Max spin area		Length		Weight		Pin Ø		A		B		Maximum working load		Track	Pole end*
		ft²	m²	in	mm	oz	g	in	mm	in	mm	in	mm	lb	kg		
3188	Small Boat CB/ring	900	85	4 <sup>63</sup> / <sub>64</sub>	126	12	340	—	—	—	—	—	—	1125	510	2720	Piston
1645	Midrange CB/toggle	1500	140	5 <sup>3</sup> / <sub>16</sub>	132	22.4	635	1/2	12.7	1	25	2	51	2300	1043	R27	Forespar® toggle
1646	Midrange CB/bell	1500	140	5 <sup>3</sup> / <sub>16</sub>	132	23.2	658	15/32	12	1 1/2	38	—	—	2300	1043	R27	B120/B130 bell end
1647	Midrange CB/toggle	1500	140	5 <sup>3</sup> / <sub>16</sub>	132	24	680	5/8	16	1 3/16	30	2 1/8	54	2300	1043	R27	Sparcraft toggle
3189	Midrange CB/ring	1350	125	5 <sup>63</sup> / <sub>64</sub>	151	23.2	658	—	—	—	—	—	—	2100	953	R27	Piston
3097	Big Boat/bell	2000	186	7 1/4	184	46.4	1315	15/32	12	1 1/2	38	—	—	4050	1837	R32	B120/B130 bell end
3098	Big Boat/toggle	2000	186	7 1/4	184	47.2	1338	5/8	16	1 3/16	30	2 1/2	63	4050	1837	R32	Sparcraft toggle
3099	Big Boat/toggle	2000	186	7 1/4	184	45.6	1293	1/2	12.7	1	25	2 9/16	59	4050	1837	R32	Forespar toggle

See page 34 for replacement balls. \*Check dimensions of pole end toggle from suppliers listed.