

HARKEN®

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INSTRUCTIONS

CB Traveler Kits

Small Boat: 2763 and 2764

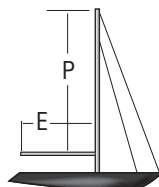
Sizing Check

Kit (car)	Monohulls				Multihulls			
	End-boom sheeting		Mid-boom sheeting		End-boom sheeting		Mid-boom sheeting	
	m ²	ft ²	m ²	ft ²	m ²	ft ²	m ²	ft ²
Dinghies/Light Daysailers					Maximum Mainsail Area			
2763 (2729)	14.9	160	12.5	135	12.5	135	10.2	110
2764 (2735)	18.6	200	14.9	160	14.9	160	12.5	135
Small Offshore Boats/Heavy Daysailers					Maximum Mainsail Area			
2763 (2729)	14	150	11.5	125	12.5	110	10.2	135
2764 (2735)	17.5	190	14	150	14.9	125	11.5	160

Mainsail size - To determine sail area, use the P and E dimensions available for your mainsail at sailboat online databases, or talk to a sailmaker.

Boom sheeting position - End boom sheeting position is near the boom's measurement band or clew point. Adjust sizing for boom positions that are between end and mid-boom.

Typical boat length - Boat lengths listed on box refer to medium displacement monohulls. For best fit, refer to the boat types and sail areas in the chart above. Contact Harken tech service with application questions.



Mainsail Area
 $P \times E \times .5$

Parts Included

2763 Small Boat kit - 2:1 purchase



2729 CB car with fixed sheaves



2741 port/starboard end control set

2764 Small Boat kit 3:1 purchase



2735 CB high-load car with pivoting toggle






348 control blocks



2743 port/starboard end control set

Ordering Track

Refer to the chart and information below to order track and trim caps for the 2763 and 2764 kits.

Track Part No.	Lengths	Mounting hole spacing		Fasteners		Track width		Trim cap
		mm	in	mm	in	22 mm	7/8"	
2720	1 m (3' 3")	100 mm	3 15/16	5 FH	#10 FH		2722	
	1.2 m (3' 11")							
	1.5 m (4' 11")							
	1.8 m (5' 11")							
2721	1.2 m (3' 11")	Slide bolt	5 HHB	* See note below		2723		
	1.5 m (4' 11")							
	1.8 m (5' 11")							
2725	1 m (3' 3")	100 mm	3 15/16	5 FH	#10 FH		2723	
	1.2 m (3' 11")							
	1.5 m (4' 11")							
	1.8 m (5' 11")							

* Hex head bolts in U.S. sizing are not available in this size. The head of the bolt must match the slide-bolt channel.

2720 Low-beam track - Use where track can fasten every 100 mm (3 15/16"). Tracks with 102 mm (4") hole spacing are available in limited lengths to match existing holes. See the Harken catalog, website, or contact Harken customer service.

Fasteners - Order 5 mm (#10) flathead fasteners. Order three (3) fasteners for every 300 mm (1').

2721 High-beam track - Use for spanning cabin or cockpit. Track features internal slide bolts. See below.

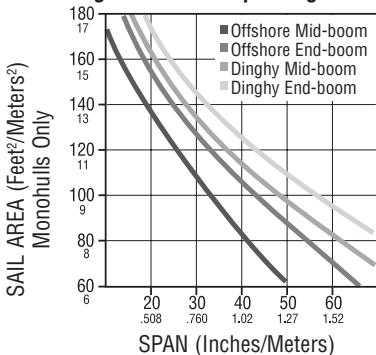
Fasteners - Order 5 mm hex head bolts. Use a minimum of three (3) per side of span.

2725 High-beam track - Use for spanning cabin or cockpit. See spanning chart below. Track has predrilled holes every 100 mm (3 15/16"). Track with 102 mm (4") hole spacing are available in limited lengths to match existing hole spacing.

Fasteners - Order 5 mm (#10) flathead fasteners. Use a minimum of three (3) fasteners per side of span.



22 mm high-beam track spanning chart



Curved track - Harken will bend track to your specifications. See the Harken website, catalog, your dealer, or Harken technical service for details.



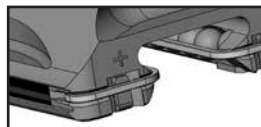
See instructions sent with track for installation

CB Cars and Track Vintage

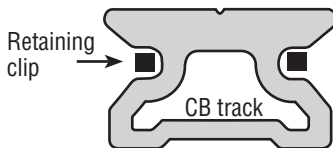
Car in kit is CB – Wire retaining clips hold car bearings captive for easy loading onto track and for maintenance.

Car fits CB style track plus retrofits to non-CB track

All current tracks have deeper grooves to accept CB car retaining clips. Note, if fitting to older pre-2002 tracks, retaining clips do not work. Cars can convert to non-CB so they run on non-CB tracks. See separate car instructions in kit.



CB cars designed for CB track



Ordering Control Line

Refer to the chart below to order control line from your dealer.

	Diameter	Purchase	Formula	Quantity	
Small Boat System					
2763	5 or 6 mm	3/16 or 1/4"	2:1	Track length X 2 plus 1 m (3')	2
2764	5 or 6 mm	3/16 or 1/4"	3:1	Track length X 3 plus 1 m (3')	2

Installing Traveler Car on Track

Position car at end of track and gently roll car on to track. Car should roll on easily. If not, check to make sure you are using CB track. CB cars can convert to become non-CB cars; however, balls must be carefully retained while loading. See instructions sent with car.

Installing End Controls and Securing Control Line

See instructions packaged with end controls for installation on track.

2763 system with 2:1 purchase - Splice directly to the end control or use a hitch as shown at right.

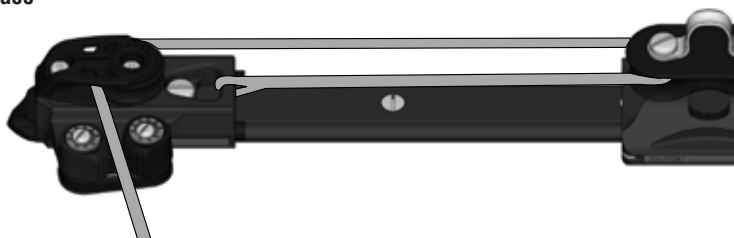


2764 system with 3:1 purchase - Do not use a hitch to attach to the mouth of the 348 block because it may bind the sheave. Splice directly to the block, creating a loop that is the diameter of the sheave. Alternatively, run the line into the mouth and tie a stop knot.



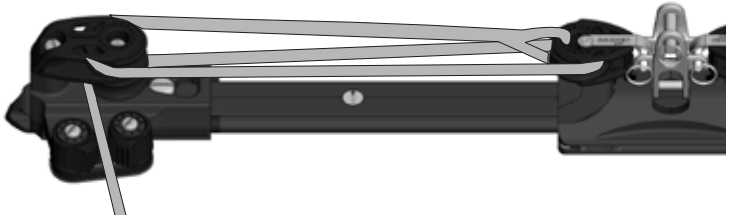
Reeving Control Line

2763 kit - 2:1 purchase



Reeving Control Line

2674 kit - 3:1 purchase

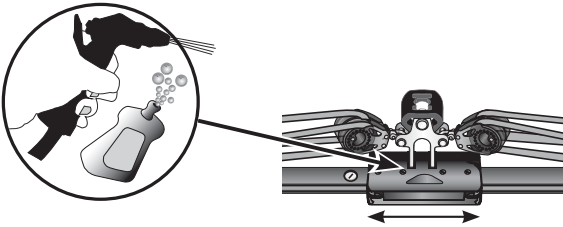


Inspection

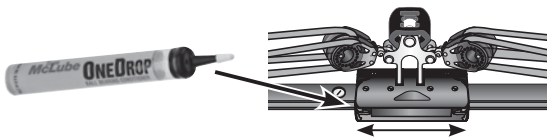
Frequently inspect shackles and control block fittings for signs of fatigue. Replace as necessary. Make sure every installation includes Harken track endstops. Arrange control tackle so cars do not hit endstops under load.

Maintenance

Traveler cars - Clean by frequently flushing with fresh water. Periodically clean car by squirting a detergent/water solution into center openings. Roll car back and forth to distribute evenly. Flush bearings with fresh water.



Do not use spray lubricants because ball bearings can skid, not roll. Once car and track are dry, apply one (1) to two (2) drops of McLube® OneDrop™ ball bearing conditioner to a small area of the track. Roll car back and forth through OneDrop conditioner several times to distribute onto bearings. Wipe remaining OneDrop off track. OneDrop conditioner is preferred, but you can also use one (1) to two (2) drops of a light machine oil. Too much oil attracts dirt.



Track: Clean with detergent and fresh water.

Important! Exposure to some teak cleaners and other caustic solutions can result in discoloration of part and is not covered under the Harken warranty.

Warranty

For additional safety, maintenance, and warranty information see www.harken.com/manuals or the Harken catalog.