

# HARKEN®

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## INSTRUCTIONS

### Double-Sheave End Controls (Sold as a Pair)

E2750HB – Fits R27HB and Midrange Track      E3250HB – Fits R32HB and Big Boat Boat Track



**Strictly follow all instructions to avoid an accident, damage to your vessel, personal injury or death. See www.harken.com/manuals for additional safety information.**

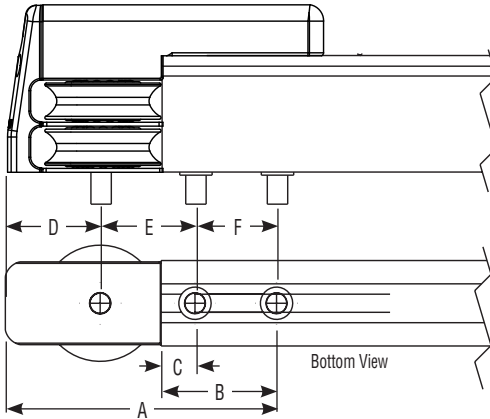
**IMPORTANT: See Inspection and Maintenance at end of manual.**

### Dimensions

Part No.	Sheave Ø		Length		Width		Max line Ø		Height above track		Maximum working load		Breaking load		Purchase
	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg	
<b>27 mm Midrange</b>															
E2750HB	1 <sup>9</sup> / <sub>16</sub>	40	4 <sup>1</sup> / <sub>4</sub>	108	1 <sup>9</sup> / <sub>16</sub>	40	<sup>3</sup> / <sub>8</sub>	10	1	25	600	272	1200	544	3:1/4:1
<b>32 mm Big Boat</b>															
E3250HB	2 <sup>1</sup> / <sub>4</sub>	57	6 <sup>1</sup> / <sub>8</sub>	155	2 <sup>1</sup> / <sub>4</sub>	57	<sup>3</sup> / <sub>8</sub>	10	1	25	700	318	1400	635	3:1/4:1

### IMPORTANT

Use for high beam traveler installations where control lines are led along cabintop to cleats or clutches. Do not use with 1849 track risers or with other elevated systems. If traveler control line angles down too much it will rub on the bottom aluminum plate. Traveler must be located so there is a flat area at each end to allow room for bolt hole placement (see A below):



Part No.	A	B	C	D	E	F
E2750HB	88 mm	33 mm	11 mm	33 mm	32 mm	22 mm
E3250HB	133 mm	57 mm	17 mm	47 mm	46.5 mm	40 mm

### Traveler Location/Hole Spacing

Part No.	Track Size	High Beam Track Part No.	Mounting Bolts (Not Included)	Backing Plate (Optional Part No.)
E2750HB	Midrange	R27HB, 1618	8 mm A4 (316) or A2 (18-8)*	H-32316A
E3250HB	Big Boat	R32HB, 3156	10 mm A4 (316) or A2 (18-8)*	H-32557A

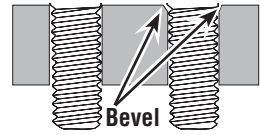
\*US imperial equivalent size will not fit

**Special Track Required**—Track ends must be anodized. We recommend special-ordering Harken track cut-to-length with end control mounting holes drilled.

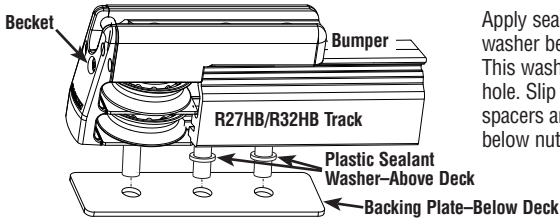
**Backing Plates**—Order drilled backing plates from Harken to match control end or use large washers. See “Replacement Parts” on reverse side.

## Installation—Drill Holes for Track and End Controls

Follow instructions packaged with the R27HB or R32HB track, noting fastener spacing and track spanning instructions. Refer to drawing on the other side and drill deck holes for end controls. Slightly bevel the top of the hole to allow sealant to mass in this area.



## Installing Plastic Sealant Washer



Apply sealant to hole. Install supplied plastic sealant washer between the deck and the bottom of the track. This washer is used to keep sealant contained in the hole. Slip bolts into end control capturing sheaves and spacers and install using large washers or backing plate below nuts under the deck.

## Replacement Parts

Qty/Set	Midrange E2750HB	Big Boat E3250HB	Description
4	H-51790	H-38984A	ESP Sheave
4	H-51785	H-38985A	Sleeve for Sheave
4	H-32512A	H-32569A	Sealant Washer—CB Track
2	H-51784	H-51068	Becket Rod
2	HFS360	HFS1221	End Cap Screw
2	H-32316A	H-32557A	Backing Plate

## Inspect

Carefully inspect track and mounting hardware for any signs of loosening, cracks or damage. Inspect end stops to make sure they are secure and that there are no cracks or damage. Arrange control tackle so cars do not hit end stops under load.



**WARNING! Failure to inspect tracks and stops can result in track pulling off deck suddenly and unexpectedly during high 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 then flush bearings with fresh water.

Do not use spray lubricants because ball bearings may skid not roll. Apply a few drops of McLube® OneDrop™ to ball contact surfaces of track. Roll car back and forth through OneDrop™ several times to distribute onto bearings. Wipe remaining OneDrop™ off track. OneDrop™ is preferred but you can also use one to two drops of a light machine oil. Too much oil attracts dirt.

**Track:** Clean with detergent and 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](http://www.harken.com/manuals) or the Harken® catalog.