

HARKEN®

INSTALLATION SHEET

1849 Track Risers

N15W24983 Bluemound Rd • Pewaukee, WI 53072-4974 USA.

Tel: (262) 691-3320 • Fax: (262) 701-5780

Web: harken.com • Email: harken@harken.com

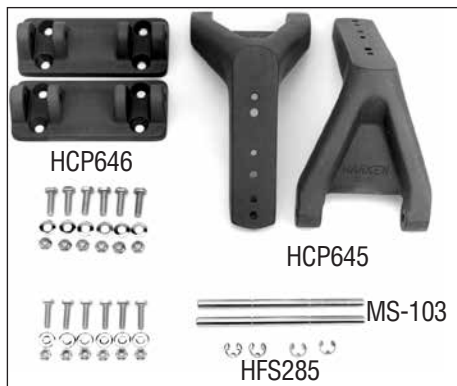
**Do not use risers with mainsails over 550 ft² (50 m²) mid-boom
or with mainsails over 650 ft² (59 m²) end-boom.**



Track risers permit easy installation of mid-boom travelers that need to be raised to clear companionway hatches.

Risers articulate to allow use with either straight or curved track and to fit deck crown. They accept either R27HB Midrange or R32HB Big Boat track.

Included in Kit



- | | | |
|----|---|--------|
| 2 | Bases | HCP646 |
| 2 | Riser legs | HCP645 |
| 2 | Stainless posts | MS-103 |
| 4 | Snap rings | HFS285 |
| 12 | Hexhead bolts, washers and locknuts for attaching track to riser. | |

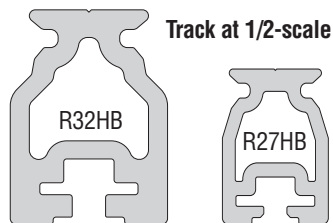
Bolt sizes included:

1618 MIDRANGE TRACK

1/4" (6 mm) x 1" (25 mm)

3156 BIG BOAT TRACK

5/16" (8 mm) x 1 1/4" (32 mm)



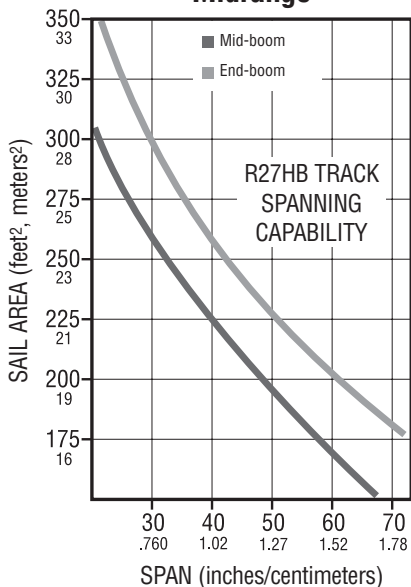
You Must Purchase

- 8 3/8" (10 mm) flathead screws, washers, and nuts or locknuts. Screws must be long enough to fasten 1849 base to cabin top.
- 1 Blue Loctite® adhesive or similar thread locking solution if standard nuts are used.
- 2 Aluminum or stainless steel backing plates.

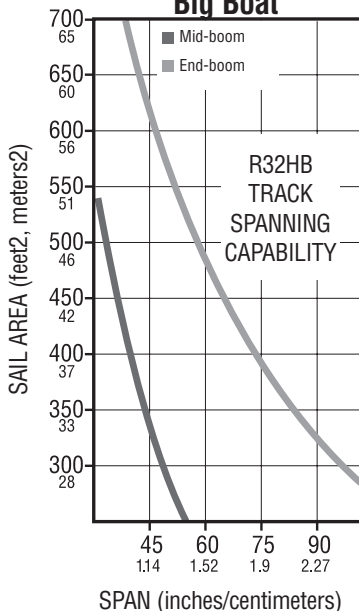
Loctite is a registered trademark of Henkel AG & Company KGaA.

Max. Unsupported Track Span

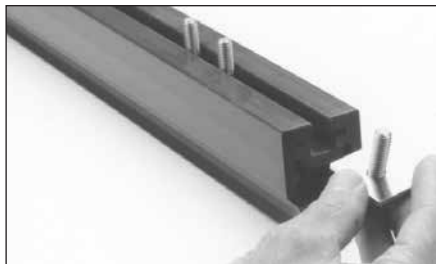
Midrange



Big Boat

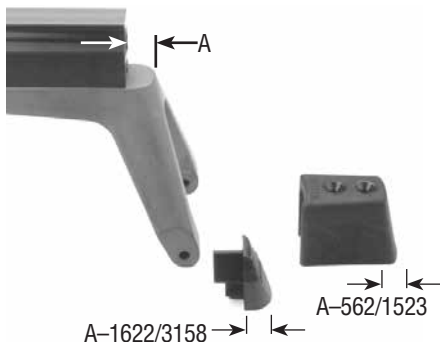


Step 1: Attaching Track to Risers



Slip three hexhead bolts into track slider washers and into track groove. Track slider washers are packaged with the R27HB or R32HB track.

Line up screw with correct holes in the riser.



Note: Leave space on riser top, outboard of track, for trim cap or endstop.

For distance "A" above, leave:

1622	Midrange trim cap	$\frac{3}{4}$ " (19 mm)
1523	Midrange endstop	$\frac{1}{4}$ " (6 mm)
3158	Big Boat trim cap	1" (25 mm)
562	Big Boat endstop	$1\frac{1}{16}$ " (17 mm)



Secure with washers and locknuts.
Repeat for other side.

Step 2: Matching Hole Position



Install bases to riser legs using stainless posts. Do not install snap rings yet.

Tip: Put tape over ends of base so pin does not slide out and roll into water.

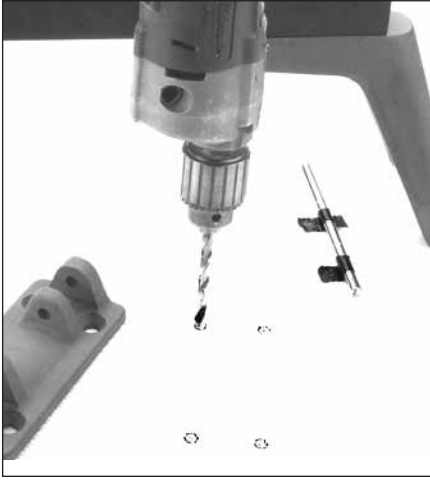
Place track assembly on cabinet top and position as desired.



Mark outer two holes of each track riser base.

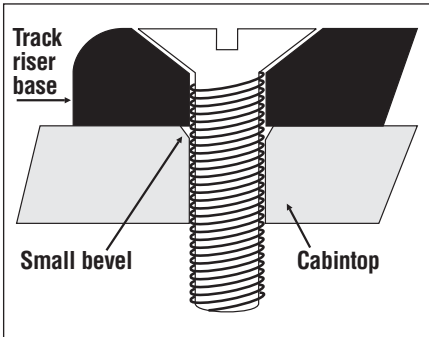
Remove stainless posts. Position each base on deck and mark inner two holes.

Step 3: Mounting Bases



Drill into cabintop and clean any drilling dust from holes.

Tip: Before applying sealant to screw holes, “dry fit” all parts to check hole positions. If necessary, loosen six screws holding track to risers, shift and tighten.

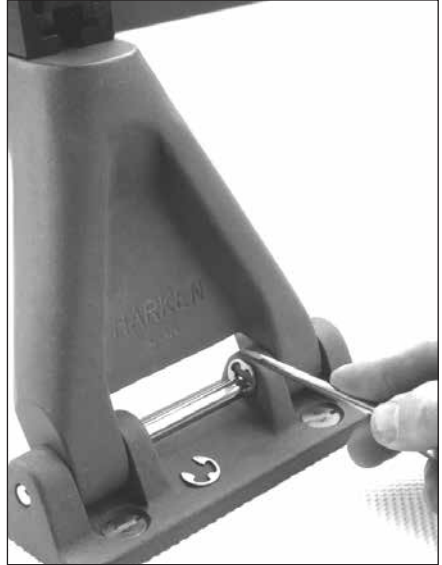


Tip: For a better seal, use a pen knife to make a small bevel at top of hole to allow sealant to mass there.

Apply sealant and insert screws through bases and into cabintop.

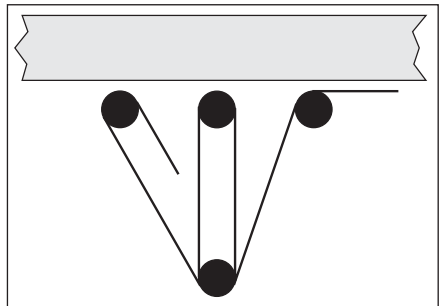
Use appropriate backing plate. Tighten securely using washers and nuts. Use thread-locker or locknuts.

Step 4: Assembling Risers



Fasten risers to bases by inserting stainless posts and pressing snap rings in place.

Converting from End-Boom to Mid-Boom Sheeting



If you are converting from end-boom to mid-boom sheeting, carefully consider the increased load on your boom.

Consult with your sparmaker if you are unsure of the strength of your boom. Many mid-boom sheeting arrangements use two or three attachment points on the boom to spread the mainsheet load.