

# HARKEN®

## INSTRUCTION SHEET

**Mastbase Blocks** 1988, 1990, 3123, C8508  
**Over-the-Top Blocks** 3002, 3003, 3004, C8322, C8624

1251 East Wisconsin Avenue • Pewaukee, WI 53072 U.S.A.  
Telephone: (262) 691-3320 • Fax: (262) 691-3008  
Web: <http://www.harken.com> • E-mail: [harken@harken.com](mailto:harken@harken.com)



**Strictly follow all instructions to avoid an accident, damage to your vessel, personal injury, or death. See [www.harken.com](http://www.harken.com) for additional safety information.**

Part No.	Block	Max Line Ø	Maximum Working Load (MWL)	Breaking Load (BL)	Purchase Fasteners (FH)		
					A4 (316) or A2 (18-8) Size	stainless steel Type	Qty
1988	Mastbase	3/8" 10 mm	2500 lbs 1136 kg	5000 lbs 2272 kg	5/8" 16 mm	Flathead	3
1990	Mastbase	1/2" 12 mm	5000 lbs 2273 kg	10000 lbs 4536 kg	5/8" 16 mm	Flathead	4
3123	Mastbase	1 1/16" 18 mm	11000 4990 kg	22000 lbs 9980 kg	5/8" 16 mm	Hexhead Bolt	2
C8508	Mastbase	3/4" 19 mm	15000 6804 kg	30000 lbs 13608 kg	5/8" 16 mm	Hexhead Bolt	3
3002	Over the top single	3/8" 10 mm	2500 lbs 1136 kg	5000 lbs 2272 kg	5/8" 16 mm	Flathead	2
3003	Over the top double	3/8" 10 mm	2500 lbs 1136 kg	5000 lbs 2272 kg	5/8" 16 mm	Flathead	4
3004	Over the top triple	3/8" 10 mm	2500 lbs 1136 kg	5000 lbs 2272 kg	5/8" 16 mm	Flathead	6
C8322	Over the top single	1/2" 12 mm	2500 lbs 1136 kg	5000 lbs 2272 kg	5/8" 16 mm	Flathead	2
C8624	Over the top single	9/16" 14 mm	5000 lbs 2272 kg	10000 lbs 4536 kg	5/8" 16 mm	Flathead	2

### Install 1988, 1990, 3123 Mastbase Blocks

**Note:** Install blocks so sheave is leaning away from mast. "Harken" will be towards mast. See drawing below.

**1. Remove sheave.** Remove screw from port side of assembly. Pull out centerpost from starboard side.

**Tip:** Don't worry about losing balls in sheave, they are captive. If post is stuck, leave screw halfway in and push on screw head to push post out port side.

**2. Mark position of holes.** Keep "Harken" towards mast.

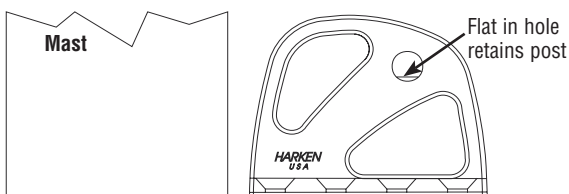


**WARNING!** You must mount to solid deck construction using specified fasteners in all mounting holes and nuts, washers or backing plates to achieve correct maximum working load to avoid a failure leading to an accident, damage to your vessel, personal injury, or death. See [www.harken.com](http://www.harken.com) for additional safety information.

**Tip:** To make sure block is aligned with load, drill forward hole, insert screw and sheave, run line to deck block and let block center itself. Remove and drill other hole(s).

**3. Mount carrier.** Drill holes and screw to deck using sealant, backing plates, and locknuts. **1988, 1990 – Do not overtighten screws; sheave will bind.** Tip: Slightly bevel top of hole in deck to allow sealant to mass near top of hole.

**4. Installing sheave:** Slip post in from starboard side and seat end of shaft in flat. Use blue Loctite® provided on screw and secure.



**Port Side: "Harken" must be towards mast.**

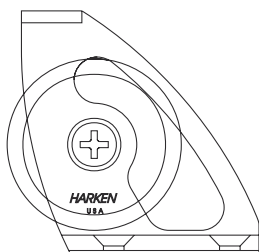
## Install 3002, 3003, 3004 Over-the-Top Blocks

- 1. Remove sheave(s).** Remove phillips screw from left side of assembly (see diagram below) and pull out center post.  
**Tip:** Don't worry about losing balls in sheave(s), they are captive. If post is stuck, leave screw halfway in and push on screw head to push post out right side.
- 2. Mark position of holes.**  
**Tip:** Insert shaft without sheaves to hold carriers together while marking holes.

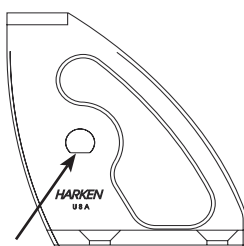


**WARNING!** You must mount to solid deck construction using specified fasteners in all mounting holes and nuts, washers or backing plates to achieve correct maximum working load to avoid a failure leading to an accident, damage to your vessel, personal injury, or death. See [www.harken.com](http://www.harken.com) for additional safety information.

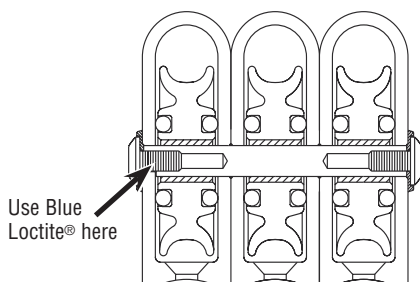
- 3. Mount carrier(s).** Drill holes and screw to deck using sealant and backing plates.  
**Tip:** Slightly bevel top of hole in deck to allow sealant to mass near top of hole.  
**Note:** On multiple sheave models, make sure carrier with flat in hole is placed on left side.
- 4. Install sheave.** Slip post in from right side and seat end of shaft in flat. Use blue Loctite® provided on phillips screw and secure.



Left side (sheave towards left)



Flat in hole to retain post.  
Note: C8624 – 3" (75 mm) sheave version has flat on opposite side so it is visible with sheave towards right.



Additional information:  
[www.harken.com/manuals](http://www.harken.com/manuals)

## Maintenance

Harken equipment requires minimal maintenance, but some is required to give the best service and to comply with Harken's limited warranty.

It is important to keep equipment clean by frequent flushing with fresh water. In corrosive atmospheres, stainless parts may show discoloration around holes, rivets and screws. This is not serious and may be removed with a fine abrasive.

Flush blocks thoroughly with fresh water. Periodically, disassemble the blocks and clean with detergent and fresh water. Lubrication is not required, but lubricants which will not attract dirt may be used like McLube®.

Mylar® washers should always be used between stainless fasteners and aluminum sideplates. Stainless fasteners which pass through aluminum blocks should be coated with an antiseize compound.

Nylock® nuts should not be used after being removed three times. When replacing shackles and fasteners, use Harken parts to maintain the proper strength.

**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](http://www.harken.com) or the Harken® catalog.