HARKEN®

INSTRUCTIONS

Mastbase Blocks 1988, 1990, 3123, C8508, 3192
Over-the-Top Blocks 3002, 3003, 3004, C8322, C8624

N15W24983 Bluemound Rd. • Pewaukee, WI 53072 U.S.A.
Telephone: (262) 691-3320 • Fax: (262) 701-5780
Web: www.harken.com • E-mail: harken@harken.com

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.

Part No.	Block	Max Line Ø	Maximum Working Load (MWL)	Breaking Load (BL)	Purchase Fasteners (FH) A4 (316) or A2 (18-8) stainless steel Size	Type	Qty
1988	Mastbase	3/8" 10 mm	2500 lbs 1136 kg	5000 lbs 2272 kg	1/4" 6 mm	Flathead	3
1990	Mastbase	1/2" 12 mm	5000 lbs 2273 kg	10000 lbs 4536 kg	5/16" 8 mm	Flathead	4
3123	Mastbase	11/16" 18 mm	11000 lbs 4990 kg	22000 lbs 9980 kg	5/8" 16 mm	Hexhead Bolt	2
C8508	Mastbase	3/4" 19 mm	15000 lbs 6804 kg	30000 lbs 13608 kg	5/8" 16 mm	Hexhead Bolt	3
3192	Mastbase	5/8" 16 mm	13227lbs 6000 kg	26455 lbs 12000 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	1/4" 6 mm	Flathead	2
3003	Over the top double	3/8" 10 mm	2500 lbs 1136 kg	5000 lbs 2272 kg	1/4" 6 mm	Flathead	4
3004	Over the top triple	3/8" 10 mm	2500 lbs 1136 kg	5000 lbs 2272 kg	1/4" 6 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, 3192 Mastbase Blocks

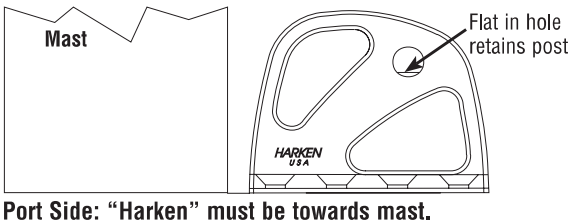
Note: Install blocks so sheave is leaning away from mast. "Harken" will be towards mast. See drawing below.

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.

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® on screw threads 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.

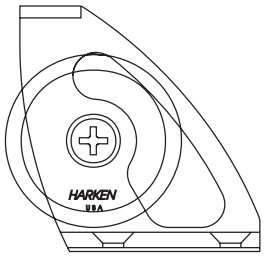
2. **Mark position of holes.**
   Tip: Insert shaft without sheaves to hold carriers together while marking holes.

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.

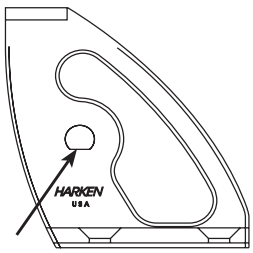
3. **Mount carrier(s).** Drill holes and screw to deck using sealant and backing plates.
   Tip: Slightly bevel top of hole in deck to allow sealant to mass near top of hole.

   Note: On multiple sheave models, make sure carrier with flat in hole is placed on left side.

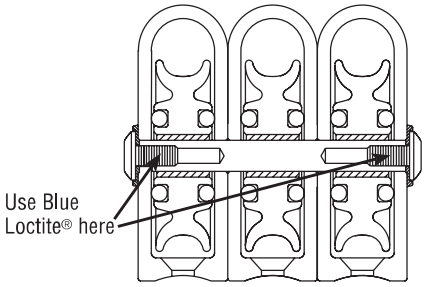
4. **Install sheave.** Slip post in from right side and seat end of shaft in flat. Use blue Loctite® provided on phillips screw and secure.



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

Inspect

Carefully inspect fasteners, mounting hardware, and shackles for signs of loosening, cracks, or damage. Secure fasteners using threadlocking solution. Replace damaged parts.

Maintenance

Keep your equipment clean and free-running by frequently flushing with fresh water. Periodically clean with mild detergent and water solution. Spin sheaves to distribute soap solution evenly. Occasionally disassemble and clean rollers and balls with detergent and water solution. Assemble using blue Loctite® on screws.

Stainless fasteners which pass through aluminum blocks should be coated with an antiseize compound such as Tef-Gel®.

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.

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