HARKEN®

INSTRUCTIONS

Loop Block

3214, 3230, 3245, 3255, 3386

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WARNING! 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.

= Incorrect. Avoid to prevent accidents.

Parts



1) Head
2) Sideplates
3) Sheave
4) Deadend post
5) Mouth
6) Hex key
7) Blue Loctite® adhesive
8) Head securing line







Specifications

Part No.	Sheave Ø	Max working load (MWL) lb	Max working load (MWL) kg	Breaking load (BL) lb	Breaking load (BL) kg	Max line Ø that fits through mouth
3214, 3386	57 mm	2500	1134	5000	2268	5 mm
3230	75 mm	5000	2268	10000	4536	8 mm
3245	100 mm	7500	3402	15000	6804	11 mm
3255	125 mm	11000	4990	22000	9977	14 mm

You Must Supply

Loop and/or high-strength lashing line

When choosing a Harken Loup® soft-attach, be sure the Loup maximum working load in basket configuration exceeds the maximum working load of the block.

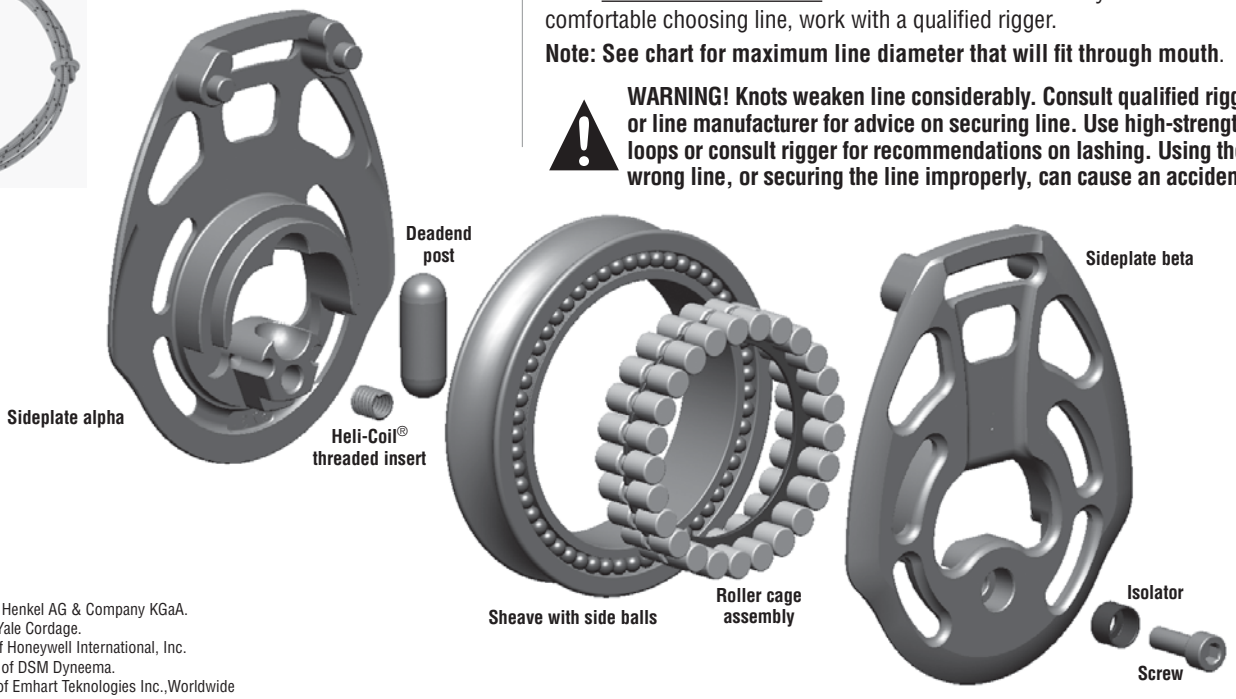
When choosing a lashing line, use a breaking load that is double the block's breaking load to account for strength loss from:

1. Knots slipping or breaking at a much lower load than line breaking load. Spectra® or Dyneema®-type lines require specialized knots.
2. Splices slipping or failing due to incorrect type or execution.
3. UV damage increasing with each passing year.
4. Chafing seriously reducing strength.

Go to www.harken.com/knots for additional information. If you are not comfortable choosing line, work with a qualified rigger.

Note: See chart for maximum line diameter that will fit through mouth.

WARNING! Knots weaken line considerably. Consult qualified rigger or line manufacturer for advice on securing line. Use high-strength loops or consult rigger for recommendations on lashing. Using the wrong line, or securing the line improperly, can cause an accident.



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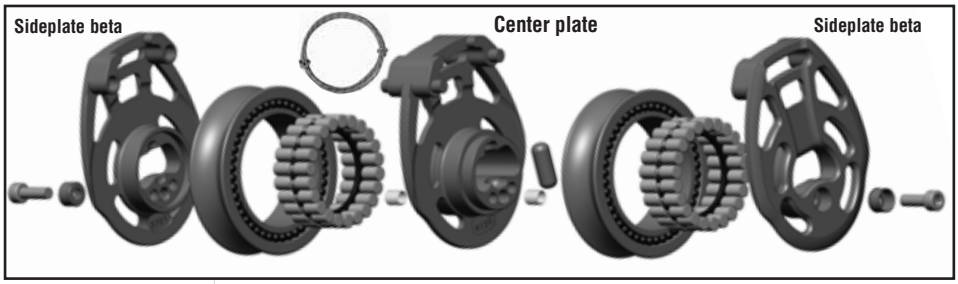
LOUP is a registered trademark of Yale Cordage.
Spectra is a registered trademark of Honeywell International, Inc.
Dyneema is a registered trademark of DSM Dyneema.
Heli-Coil is a registered trademark of Emhart Teknologies Inc.,Worldwide

Block	Sheave Ø	Screw	Isolator	Sideplate beta	Roller cage assembly	Sheave w/side balls	Deadend post	Heli-Coil	Sideplate alpha	Head securing line
3214	57 mm	HFS796	MP-3020	AL-3701	HBB85	H-34389A	AL-3238	MS-210	AL-3700	HCP1438
3230	75 mm	HFS806	MP-3021	AL-3727	HBB86	H-34390A	AL-3336	MS-221	AL-3726	HCP1419
3245	100 mm	HFS1271	MP-3022	AL-3752	HBB87	H-34391A	AL-3427	MS-251	AL-3751	HCP1419
3255	125 mm	HFS1275	MP-3023	AL-3770	HBB88	H-34392B	AL-3515	MS-259	AL-3769	HCP392

3386 Double Block Parts

Double block uses all components of single and a center plate.





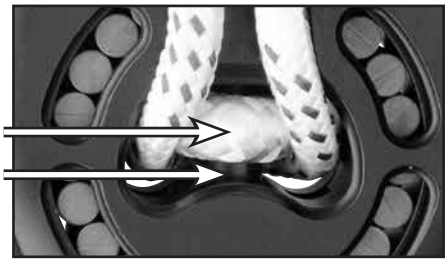
Block	Sheave Ø	Screws	Isolators*	Sideplate beta	Roller cage assemblies	Sheaves w/side balls	Deadend post*	Helicoil®	Center plate	Head securing line
3386	57 mm	(2) HFS796	(2) MP-3020	(2) AL-3701	(2) HBB85	(2) H-34389A	AL-3238	(2) MS-210	AL-3700	HCP1438

* AL-3701 sideplates include isolators. AL-3700 center plate includes Helicoil threaded inserts.

Terminating to Deadend Post

WARNING! Webbing or smaller lashings can be damaged by being pinched between post and sideplate. Damaged webbing or lashings can part suddenly under load. Use only loops when terminating at deadend post.

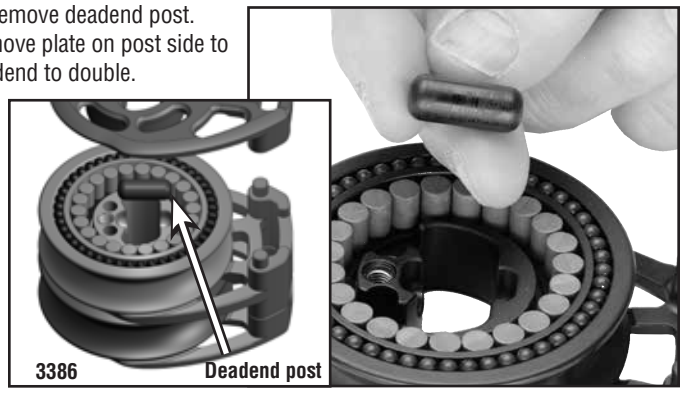
Terminating to deadend post lets you attach block to a closed bail such as a padeye.



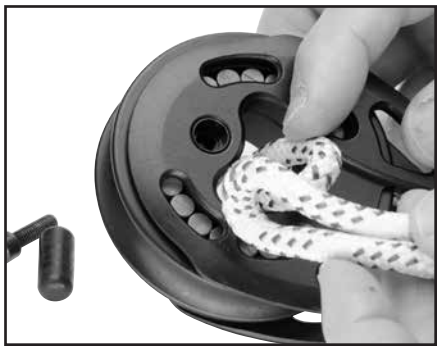
1. Remove screw.



2. Remove deadend post. Remove plate on post side to deadend to double.



3. Insert loop into block mouth as shown.



4. Pass loop ends through mouth so loops extend beyond block's sideplates as shown.



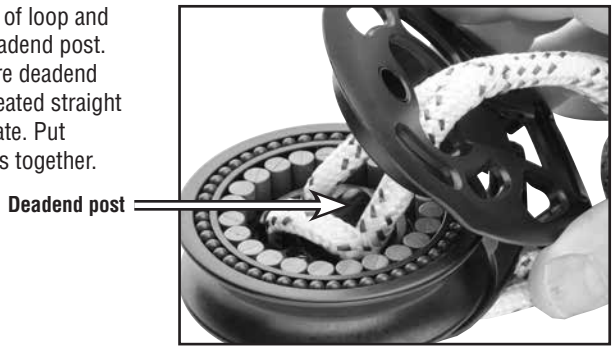
5. Open sideplates without pulling line through block.



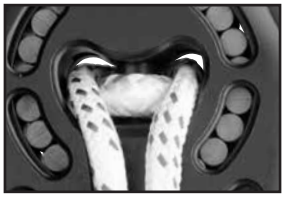


Tip: With shorter loops, place loop at the side of the head to allow more room to insert the deadend post.

6. Part legs of loop and insert deadend post. Make sure deadend post is seated straight in sideplate. Put sideplates together.



7. Pull loops to seat ends on deadend post.





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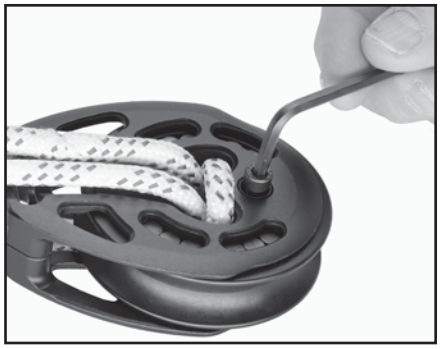
8. Reassemble block using blue Loctite® adhesive on screw.

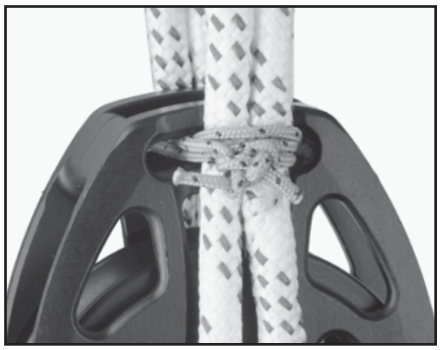




9. Secure loop to head of block with head securing line using a Carrick bend. For knot tying resources: www.harken.com/knots.



10. Further secure knot by carefully melting line ends with a hot knife.



WARNING! If head-securing line comes loose, block can flip and cause line to jam, resulting in loss of control. Inspect head-securing line often and redo if necessary.



Terminating Loop Outside Block or Using Lashing

If terminating line outside block or lashing using multiple strands of smaller-diameter line, remove the deadend post.

1. Use hex key to remove screw.



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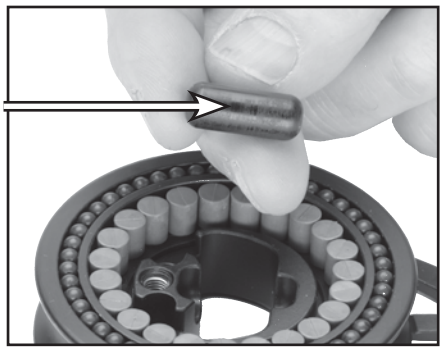
2. Remove deadend post.

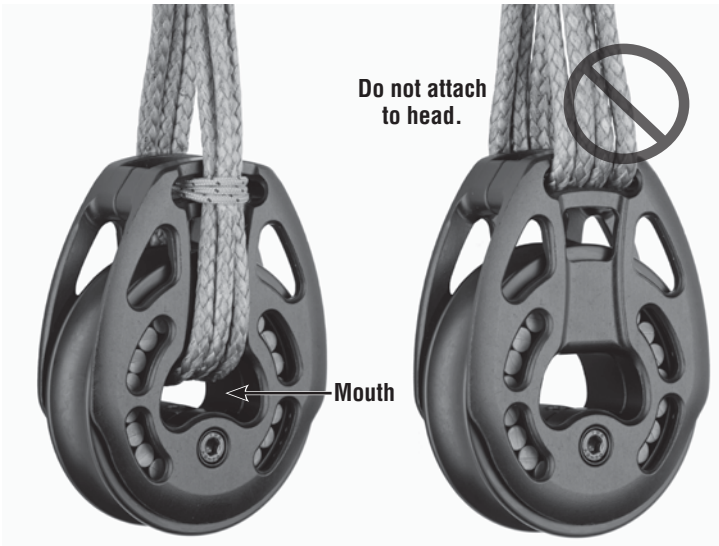
Do not use post with multiple lashing lines.



3. Reassemble block. Use blue Loctite® adhesive on screw.

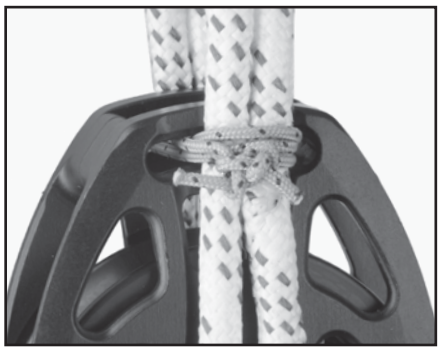


4. Lash or run loop through mouth of block.



WARNING! Attaching line to block head will considerably weaken block so it can easily break under load. Attach loop/lashing only through mouth of sheave.

5. Secure lashings or loop to the head using a securing line tied in a Carrick bend. For knot tying resources: www.harken.com/knots



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WARNING! Using a loop in a "choker-style" weakens the loop connection. Do not use choker-style connection.

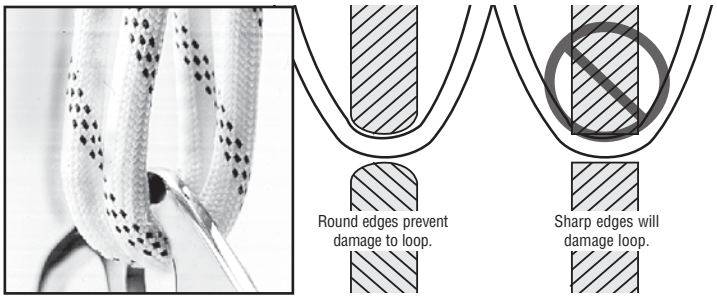




ALL INSTALLATIONS
Anchor Point Chafing or Cutting

WARNING! Loops or lashings running over a sharp edge can cause part to break under load. Attach to fitting with a rounded edge.

Loops must be attached to round bails such as those found on padeyes or pins. Sharp edges on many perforated toerails will cut loop, severely weakening it. When loop is attached to a plate, it must be at least 25 mm (1/4") thick and have rounded edges to keep loop from being damaged.



Inspect Parts Every Time you Sail

WARNING! Failure to inspect block, loops, and lashing, and correct any problems, may result in block breaking under load. Inspect parts each time you sail. If blocks are under load during long passages inspect them carefully while in use.

1. Inspect block to make sure that screw is secure. If screw is loose, remove it. Apply blue Loctite® adhesive and retighten.

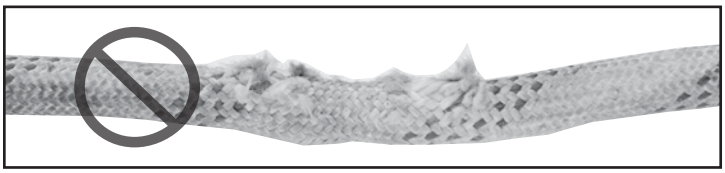


3. Inspect loops and lashings. Replace if there are signs of wear, or if the colored tracer fades from UV damage. Pull loop out of mouth and inspect loop/lashing carefully for any signs of wear, UV damage, fatigue, or strand separation. Replace loop if it shows signs of UV damage or wear.

WARNING! Failure to replace damaged or weakened parts can cause block to break under load. Replace all loops and lashings every year or if there is any sign of wear, UV damage, fatigue, or strand separation. If in doubt, replace. Consult chart to match strength of loop/lashing to block and load.







4. Inspect head securing line to make sure knot is holding tightly.



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Maintenance

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

Cleaning: Flush blocks, loops and lashing lines thoroughly with fresh water. Periodically, disassemble the blocks and clean with detergent and fresh water. When assembling block, make sure screws and holes are dry. Use blue Loctite adhesive to secure screw before assembling.

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: www.harken.com/manuals or the Harken catalog.

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