

HARKEN®

INSTRUCTIONS

Trigger Cleat 418

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

The 418 Trigger cleat allows easy release of highly-loaded lines with complete control. Pulling line down on the trigger mechanism opens cleat. Line never comes off cleat. The trigger serves as a snubbing surface to control release.



Part No.	Min line Ø in mm	Max line Ø in mm	Maximum working load lb kg	Fastener spacing in mm	Fastener size/ comments
418	3/16 5	1/2 12	500 227	2 51	5 mm (#10) PH/RH—ships w/1/8" screws and nuts to hold assembly.

OPTIONS: 419 eyestrapp; 355 mounting bracket to attach cleat to Harken Classic blocks: 052, 064, 152, and 411. See reverse side for mounting to Carbo triple blocks.

Installing 418 Trigger Cleat

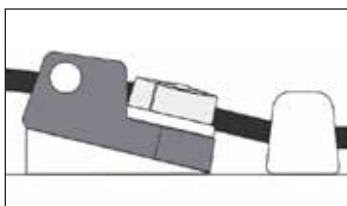
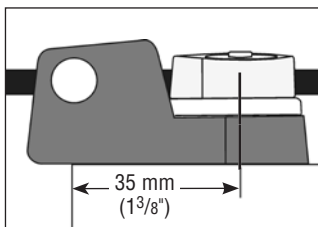
Placement

The angle of line from cleat to operator is important for efficient release. For best operation, mount cleat at waist or chest height in your normal operating position. If possible, mount cleat on edge of deck, cockpit, or cabin.

Place mounting holes back 35 mm (1³/₈") from edge so cleat overhangs.

Drill size 5 mm (1³/₆₄") or #12.

If line angle is too low, or if cleat cannot be mounted near an edge, mount cleat on pad or bracket inclined 25°. Install bullseye fairlead or turning block on the loaded side of the cleat to lead line into cleat parallel to cams.



Adjusting Cleat to Fit Line Size

The Trigger cleat will accept most lines up to 12 mm (1/2").

To adjust cleat to fit larger size line, loosen screws and lift cam cleat and its platform slightly from base. Slide base toward you, against spring tension. Press cleat and platform down and hold in place until screws are tight.

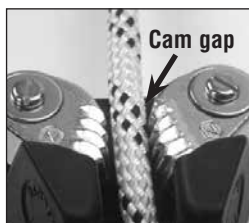


Tip: Mount screws through cleat and deck with nuts loosely threaded. Screws should be ready to tighten before adjusting for larger line. Cam base and cam platform have ridges and interlocking grooves to help hold them in place until screws are tight.

Check for Proper Adjustment

With lever fully depressed, cam gap should be slightly larger than line size. If gap is too small, shift base to position for larger line size.

With line loaded in cams, lever should not contact top of lever cavity. This will prevent cams from closing tightly against line. If rope slips when loaded, shift base to position for smaller rope size.

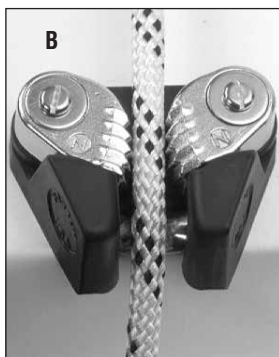
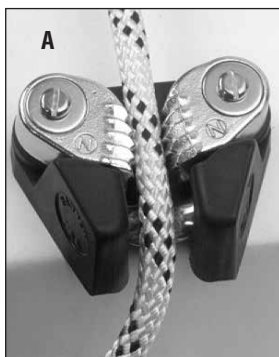
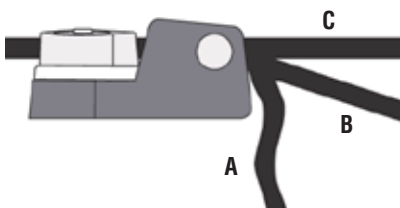


How Trigger Cleat Works

Pull line tail downward as in position B. The release lever opens cams so line may be eased. By holding a downward angle, lever acts as a snubbing surface for better control of heavily loaded lines.

Raise line tail (position C), or simply release line (position A). Spring-loaded cams close to cleat line again.

Fairings around release lever allow cleating when tail leaves cleat at up to 45° to either side of cleat axis. Line stays between cams at all times.



Fitting triple carbo blocks

Use outer holes for mounting 57 mm or 75 mm Carbo block triple cam arms.

Inspect Parts Each Time you Sail



WARNING! Parts must be inspected each time you sail. If parts are under load during long passages, it is important to inspect them carefully while in use. Failure to inspect and correct block and loop or lashing can result in block breaking under load causing an accident, or damage to your vessel.

Maintenance

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

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. Flush with fresh 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 or the Harken catalog.