

HARKEN®

INSTRUCTIONS

Trigger Cleat 418

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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 for additional safety information.

The 418 Trigger Cleat allows easy release of very 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.



355 bracket
on
411 block

Part No.	Max line Ø		Min line Ø		Maximum working load		Fastener Spacing		Purchase Fasteners
	in	mm	in	mm	lb	kg	in	mm	
418	3/16	5	1/2	12	500	227	2	51	#10 (5 mm) Panhead or Roundhead* A4 (316) or A2 (18-8) Stainless Steel

*Ships with screws and nuts to hold assembly. Purchase new fasteners



WARNING! You must mount to solid deck construction or cam arm using specified fasteners in all mounting holes and nuts, washers or backing plates to achieve correct maximum working load to avoid a failure.

OPTIONS: 419 eyestrapp; 355 mounting bracket to attach cleat to Harken 052, 064, 152, and 411.

Installing 418 Trigger Cleat

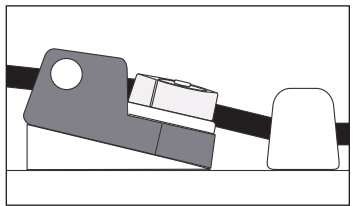
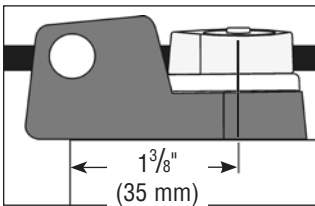
Placement

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

Place mounting holes back 1 3/8" (35 mm) from edge so cleat overhangs.

Drill size 13/64" (5 mm) or #12

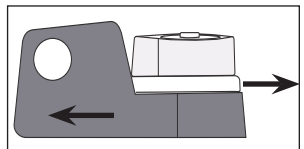
If line angle is too low or if cleat cannot be mounted near an edge, mount cleat on pad or bracket inclined 25°. Install bullseye fairlead or turning block on the loaded side of the cleat to lead line into cleat parallel to cams.



Adjusting Cleat to Fit Line Size

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

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

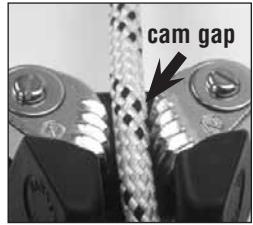


Tip: Mount screws through cleat and deck with nuts loosely threaded. Screws should be ready to tighten before adjusting for larger line. Cam base and cam platform have ridges and interlocking grooves to help hold them in place until screws are tight.

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.

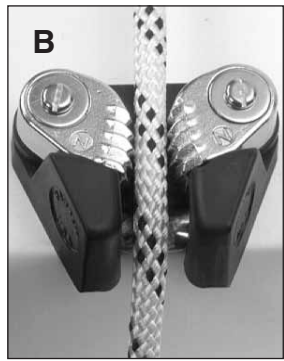
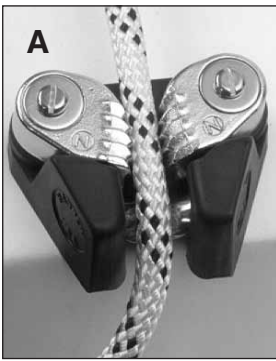
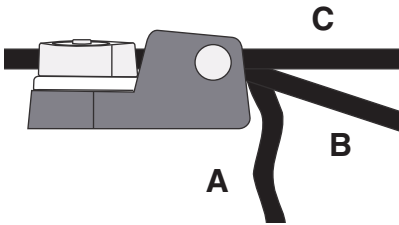


How Trigger Cleat Works

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 as in position C or simply release line as in 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.



Inspect Parts Every Time you Sail



WARNING! Inspect parts and mounting fasteners 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 may result in cleat not functioning or breaking under load.

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 or the Harken® catalog.