

HARKEN[®]

T2[™] LOOP

Patented

INSTRUCTIONS

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! 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.

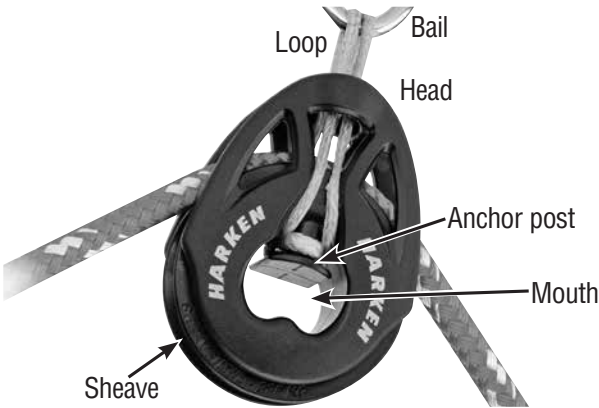
Specifications

Part No.	Description	Sheave Ø	Max line Ø		Maximum working load		Breaking load	
			in	mm	lb	kg	lb	kg
2148	40 mm single	40 mm	3/8	10	485	220	1200	544
2151	57 mm single	57 mm	7/16	10	792	359	2380	1080

Replacement Loops

Part No.	Fits blocks	Loop length		Line type	Loop line Ø	
		in	mm		in	mm
2154	2148	5 1/2	140	Spectra	1/8	3
2151	2148, 2151	6 1/2	165	Spectra	1/8	3
2179	2148, 2151	14 1/2	370	Spectra	1/8	3

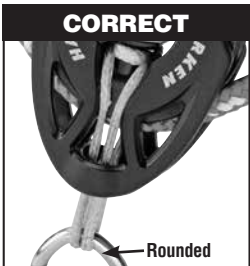
Terms



Planning Installation

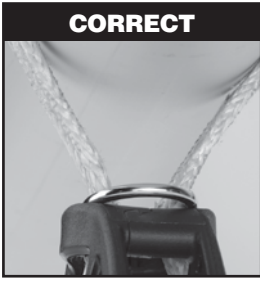
Loop only to objects with rounded edges. Avoid sharp corners.

! **WARNING!** Loop can easily be cut on sharp corners causing it to break suddenly under load, possibly causing an accident.



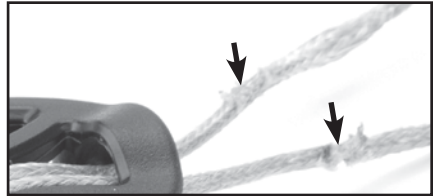
Securing Block to Large Diameter Object

When running line around large-diameter object such as a boom, use a ring sized to restrain the loop legs to the block's top opening. **Important! If lashing loop pushes outwards on head, it can break the block.**



Inspect Line Every Time You Sail

Inspect loop for chafe or UV damage every time you sail. **Replace damaged loop immediately. Replace line with no visible damage every two years.**



WARNING! Failure to inspect and replace UV damaged, worn, or frayed line can cause the line to break suddenly, possibly causing an accident.

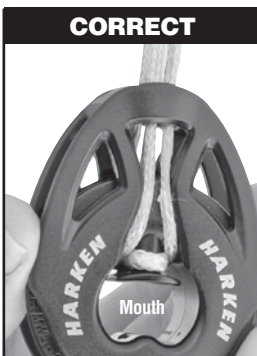
Use Harken supplied loops. Refer to specification chart. If you make your own loops, refer to *Using Alternate Line Knots and Splices* on last page.

Always Loop to Anchor Post in Mouth of Block

Always loop to anchor post in the mouth of the block. The head is not strong enough to secure line.

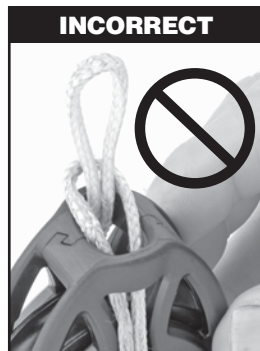
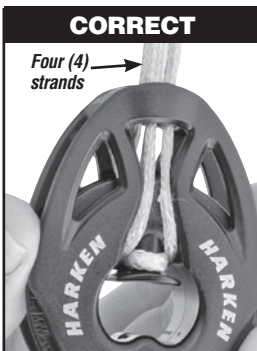


WARNING! Tying to head will cause block to break suddenly, possibly causing an accident: www.harken.com/manuals for additional safety information.



Do Not Use Loop in Choker Style

Do not use the loop in the choker-style. Always attach loop to create four (4) strands as shown under *Assembly*.

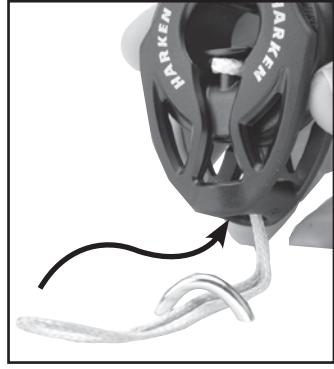


WARNING! Using loop in a choker-style greatly reduces its strength and can cause the loop to break suddenly when high loads are applied, possibly causing an accident.

Assembly

Remove one end of loop.

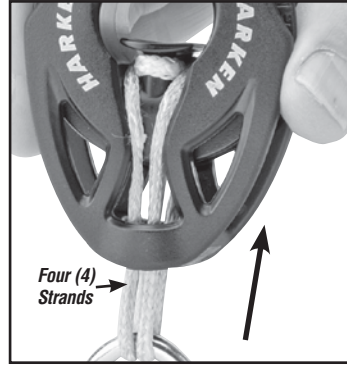
Tip: Use a small hooked tool or hex key to lift loop off the anchor post.



Slip loop around bail. Run loop into head at bottom of block and into mouth.

Tip: Use a tool to push loop into mouth.

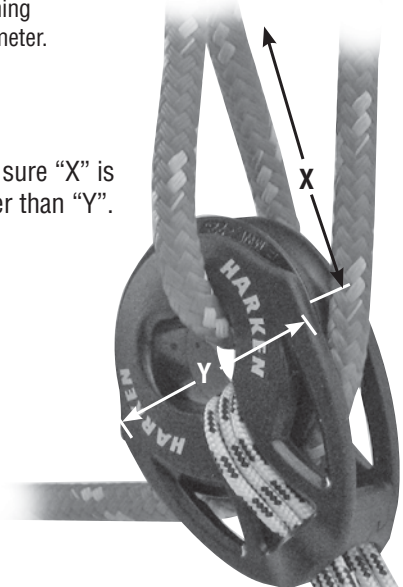
Secure end of loop to anchor post. Pull on block to make sure loop is seated.



Using T2 Block as a Becket

Make sure spliced loop is long enough to prevent pinching and binding sheave. Make loop longer than sheave diameter.

Make sure "X" is greater than "Y".



Using Alternate Line, Knots, and Splices

Harken is not liable or responsible for use of line used to secure blocks. Go to *Harken Limited Warranty* at www.harken.com for complete details. It is your responsibility to choose the correct line for the block.

When choosing line, use a breaking load that is at least 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.

If you are not comfortable choosing line, work with a qualified rigger or use Harken-supplied loops 2148 or 2151. Go to www.harken.com/knots for additional information.



Four (4) strands

Minimum breaking load for line to make loop

Part No.	2148 (40 mm)		2151 (57 mm)	
Strands	lb	kg	lb	kg
4	600	272	1190	540

Read important information on choosing line, knots, and splices:
www.harken.com/knots.



WARNING! Failure to account for loss of strength due to chafe or UV damage when choosing line can result in line breaking suddenly when load is applied.



WARNING! Improper knots or splices can weaken the block installation causing it to break suddenly when load is applied, possibly causing an accident.

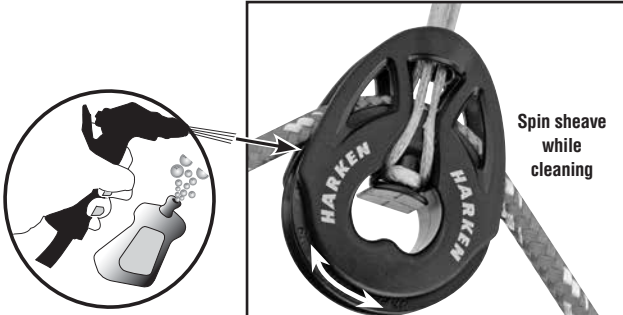
Dyneema is a registered trademark of DSM Dyneema.
Spectra is a registered trademark of Honeywell International, Inc.

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

Additional Information

For additional information go to online manual 4369 at www.harken.com/manuals.