

INSTRUCTIONS

LOUPS®

3139, 3140, 3141, 3142, 3143, 3144, 3145, 3146, 3147, 3148, 3149, 3150, 3202, 3203, 3151 (Dogbone)

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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.

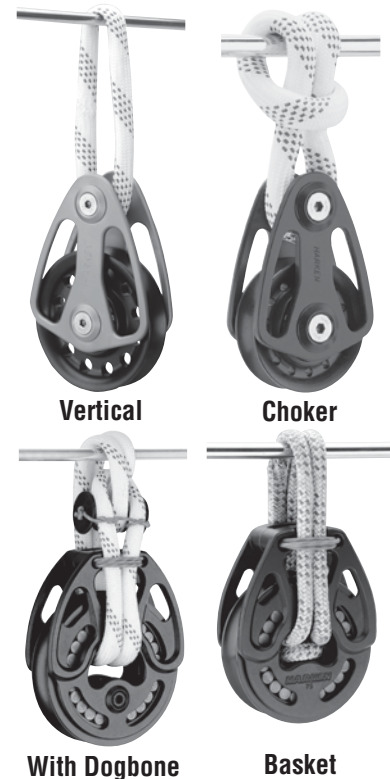
 = Incorrect. Avoid to prevent accidents.

Loups® offer a variety of ready-made soft attachment rigging solutions for racing and cruising yachts. When fitting hardware, choose the Loup® that exactly matches the attachment method and strength shown in the chart below. Custom length Loups are also available. If you have questions, please contact Harken.

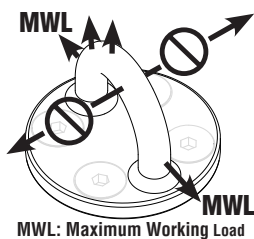
Loup® Strength

Loup strength will vary depending on: Configuration – One configuration may be more than twice as strong as another. Carefully match strength requirements to the configuration and corresponding SWL shown in the chart below. **Attachment Points** – Determine weakest link in the attachment chain. Is it the block? The Loup? The padeye? Consult chart below for padeye loading at various angles. **Condition of Attachment** – Loup must attach to round bails or radiused corners. Sharp, rough edges or corners will cut into Loups, reducing their strength over time. **Age of Loup** – Strength of Loup is based on their being in like new condition. **See chart below.**

Loup® Part No.	Length		Vertical		Maximum Working Load (MWL)				Basket	
	in	mm	lb	kg	Choker	With Dogbone	lb	kg	lb	kg
5mm — ONE YELLOW, TWO ROWS OF DARK-COLORED TRACERS										
3202	8	203	1275	578	1000	453	—	—	2550	1156
7mm — ONE YELLOW, FOUR ROWS OF DARK-COLORED TRACERS										
3203	10	254	2550	1155	2040	920	—	—	5100	2310
9mm — TWO (2) ROWS OF COLORED TRACERS										
3139	4	100	2800	1270	2240	1015	—	—	5600	2540
3140	8	200	2800	1270	2240	1015	—	—	5600	2540
3140	11	280	2800	1270	2240	1015	—	—	5600	2540
10mm — THREE (3) ROWS OF COLORED TRACERS										
3142	5	125	4200	1900	3360	1520	—	—	8400	3810
3143	9	230	4200	1900	3360	1520	—	—	8400	3810
3144	15	380	4200	1900	3360	1520	5645	2560	8400	3810
11mm — FOUR (4) ROWS OF COLORED TRACERS										
3145	5	125	5700	2585	4560	2065	—	—	11400	5170
3146	9	230	5700	2585	4560	2065	—	—	11400	5170
3147	16	400	5700	2585	4560	2065	—	—	11400	5170
12mm — FIVE (5) ROWS OF COLORED TRACERS										
3148	6	150	7150	3240	5680	2575	—	—	14200	6440
3149	11	280	7150	3240	5680	2575	—	—	14200	6440
3150	17	430	7150	3240	5680	2575	—	—	14200	6440



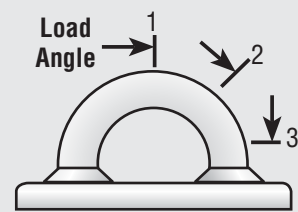
Harken® Padeye Strength



WARNING! Load applied sideways to the bail greatly reduces the strength. Always align padeye bail to load for maximum strength to prevent breakage below Maximum Working Load.

Even when bail is aligned with load, padeye strength will vary depending on load angle—see below.

Part No.	Description	Maximum Working Load (MWL)					
		1		2		3	
		lb	kg	lb	kg	lb	kg
627	Small round	5000	2270	4500	2040	4300	1950
629	Large round	20000	9070	12000	5440	14000	6350
648	High-load medium	11800	5358	10375	4705	8500	3855
689	Large diamond	8500	3855	8000	3628	7800	3540

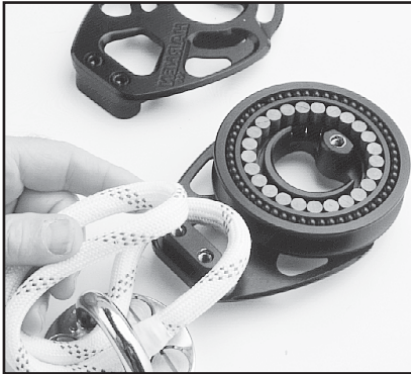


Attaching Loups® to Blocks

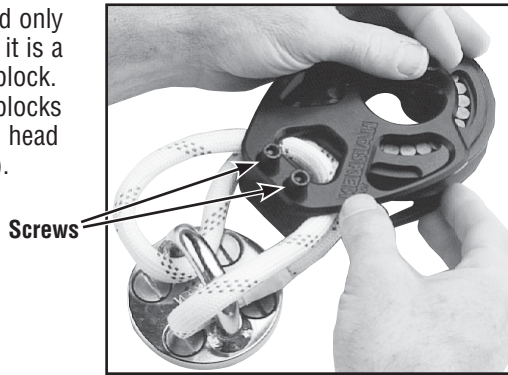


WARNING! Block may break suddenly if attached incorrectly. Before attaching Loup you must understand block manufacturer's directed method of attachment. Some blocks are designed to secure Loup to head and others to attach Loup through center of sheave or to protrusions coming out from center of sheave. Attaching Loups improperly may cause an accident.

Harken® Straphead Block



Attach Loup to head only if you are sure that it is a Harken Straphead block. Harken Straphead blocks have two screws in head (see photo at right).



Harken Grand Prix High-Load Snatch Block



WARNING! Attaching Loup to block head will considerably weaken block so it can easily break under load. Attach Loups only to thimble at sheave center.



Harken Black Magic® Loop Block



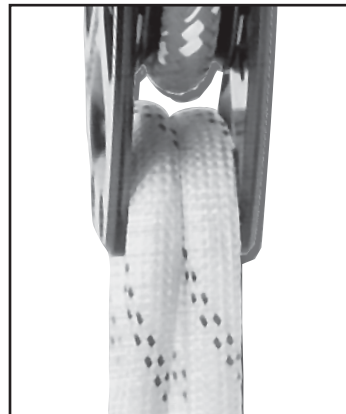
WARNING! Attaching line to block head will considerably weaken block so it can easily break under load. Attach loop/lashing only through mouth of sheave.



Attaching to Blocks or Hardware



WARNING! If Loups are stacked they will push outward on block sideplates when load is applied, causing block to break especially if crosspin is held using a cotter pin. This can cause an accident. Make sure Loup can lie side-by-side.



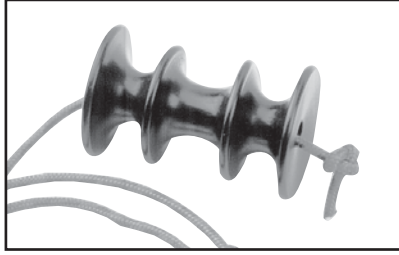
Make sure Loup will lie, side-by-side between Loup and sheave. Loups will settle and flatten when load is applied.



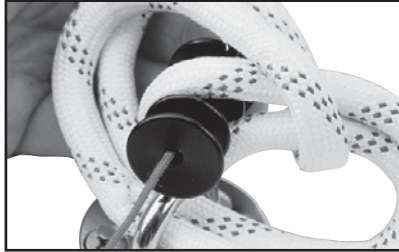
If Loup is stacked (one strand on top of the other) even a small amount, line can push outward and break sideplate.

Attaching Dogbone to Loup®

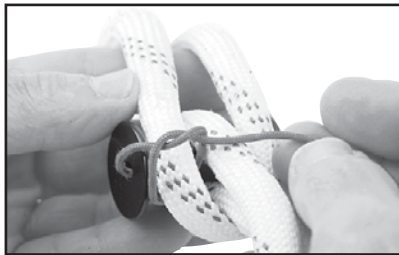
Put a figure 8 stop knot in one end of the lashing line and pass it into the hole in the bone.



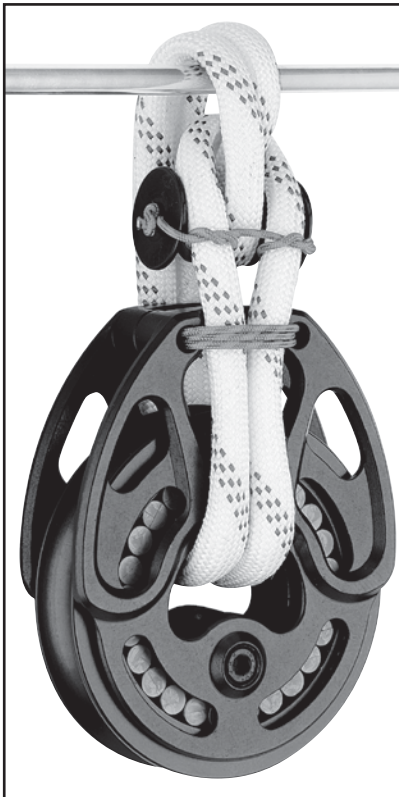
Pass one end of the Loup into the other. Slip the Dogbone into end so it is captured as shown.



Tie a single overhand knot around each outer Loup. Don't draw the legs of the Loups together; let them assume their loaded position.



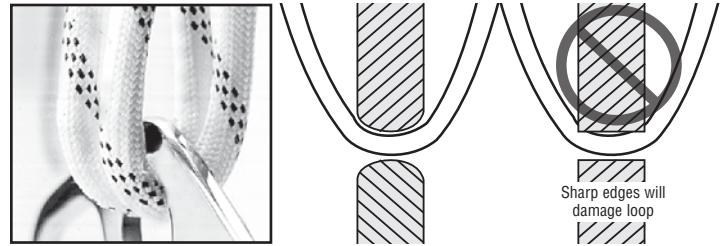
Pass the end of the line back through the hole in the bone and tie a figure 8 stop knot. Use a hot knife to trim ends.



Anchor Point Chafing or Cutting

! WARNING: Loups or lashings running over a sharp edge can cause part to break under load. Secure to items with rounded edges only.

Attach Loups only to round bails such as those found on padeyes or pins. Sharp edges such as those found in many perforated toerails will cut into Loups severely weakening them. If a Loup is attached to a plate, the edges must be rounded so that they are not damaged. The thickness of the plate must be at least 1/4" to avoid damaging the Loup.



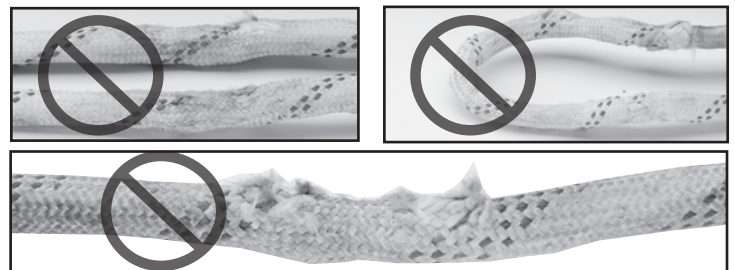
Hardware and attaching Loups can gradually lose strength from wear and UV rays. Inspect parts often and during long passages.

Inspect

! WARNING! Hardware and attaching Loups can gradually lose strength from wear and UV rays. Inspect parts often and during long passages.

You must periodically inspect Loups and head lashings for signs of UV damage or wear. Be sure to pull Loup out of block mouth and inspect carefully for any sign of wear, UV damage, fatigue or strand separation. The Loup's outer jacket protects the inner core, but can become damaged from prolonged UV exposure. Loups have colored tracers that are designed to fade after prolonged UV exposure. If tracers appear faded, rub them with your fingernail. If flecks become fuzzy the Loup should be replaced. Inspect Loups often for signs of chafing, especially where they rub on edges.

! WARNING! Loups may degrade without showing obvious signs and break under load. Replace all Loups 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 Loup/lashing to block and load.



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 and loops/high strength 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® 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 see www.harken.com/manuals or the Harken® catalog.

HARKEN®

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