

SECTION 5-A

INSTALLING / MAINTAINING / INSPECTING ROPE GRAB

The mechanical rope grab device is pre-installed onto the lifeline at the factory. An arrow indicator is stamped onto the rope chamber of the grab and must always point to the anchor attachment end of the lifeline in order to function properly. The tail end of the lifeline has a "termination knot" tied approximately 12" from the rope end to prevent the rope grab from coming off the end of the lifeline accidentally. Do not use the lifeline system without the termination knot in place.

TEST PROCEDURE FOR LOCKING FUNCTION:

Before each use and anytime the rope grab has been removed from the lifeline, check the locking function:

- With rope grab properly installed, and with the locking cam in the closed position, take the lifeline in one hand and rope grab attachment ring in the other. Pull lifeline and rope grab in opposite directions. The rope grab should not move on the lifeline. If movement does occur, the rope grab device is defective. Do not use it.

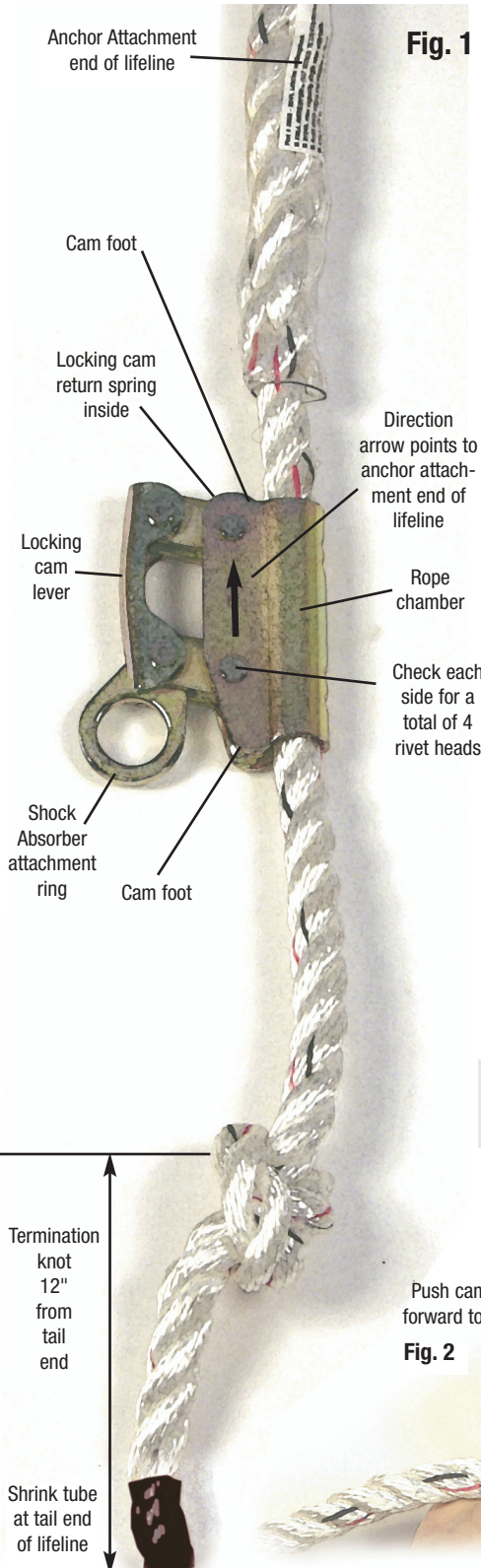


Fig. 1

INSTALLATION / REMOVAL OF THE ROPE GRAB:

NOTE: The mechanical rope grab device can only be removed or installed by sliding it on or off the lifeline through the rope chamber.

REMOVING THE ROPE GRAB:

- Untie the "termination knot" at the end of the lifeline. Hold the rope grab in the unlock (open cam) position shown in **Fig. 2** and slide it off the lifeline.

INSTALLING THE ROPE GRAB:

- With direction arrow pointed toward the anchor attachment end, hold the rope grab in the open position shown in **Fig. 2** and insert the tail end of the lifeline through rope grab chamber.
- Re-tie the termination knot 12" from the tail end of the lifeline.

CLEANING / MAINTAINING / INSPECTING THE ROPE GRAB:

Normal use of the lifeline will cause the rope diameter to enlarge as the lifeline absorbs dirt and dust. Although this will not prevent the rope grab from locking onto the lifeline, it may become difficult to move the rope grab up and down the lifeline. Check for abrading of the lifeline, cut or damaged filaments, paint, caulking, or other contaminants on the lifeline which can also interfere with the rope grab movement. Debris can also get trapped inside the rope grab device and may require cleaning.

CLEANING THE ROPE GRAB:

- Remove the rope grab from the lifeline and clean using air pressure. Move the locking cam up and down while cleaning. Re-install the rope grab onto the lifeline and check the locking function. **DO NOT LUBRICATE ROPE GRAB OR USE SOLVENTS.**

INSPECTING THE ROPE GRAB:

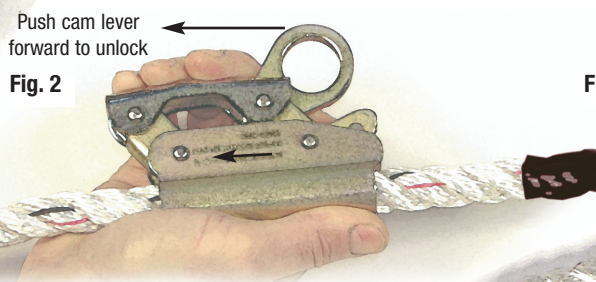
- Remove the rope grab from the lifeline to inspect the interior mechanism of the locking cam.
 - a) Check for debris in the locking cam.
 - b) Make sure all locking lever rivets are intact and none are missing or broken.
 - c) Move the locking lever to the open position shown in **Fig. 2**. Release the locking lever and it should return to the closed position shown in **Fig. 3**. A failure to close may be caused by a broken or damaged locking cam return spring or some other damage. Check for broken spring or trapped debris inside the rope grab.
 - d) Make sure the Rope Grab attachment ring, locking lever, or any other components are not broken, cracked or distorted in any way.

WARNING: IF THE RETURN TO LOCK FUNCTION DOES NOT WORK, THE ROPE GRAB WILL FAIL WHEN SUBJECTED TO A FREE FALL IMPACT. IMMEDIATELY REMOVE FROM SERVICE.

- **DAMAGE FROM ABUSE OR SUBJECTED TO FALL IMPACT:**

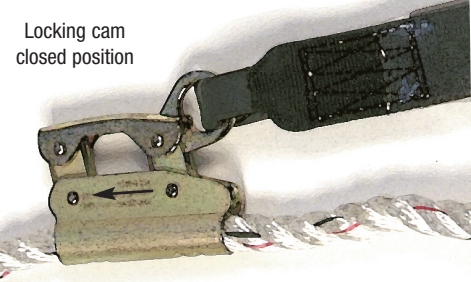
Do not use if damaged. If the rope grab is subjected to a free fall, it must be removed from service and not used again.

Fig. 2



Locking cam open position.
Lifeline slides easily through.

Fig. 3



Rope grab should not move on the lifeline.

*See Definitions, Page 21