



OWNERS MANUAL

MODEL: US-5000C

DESCRIPTION: Rope Grab 5/8"

MEETS OSHA & ANSI Z359.1



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US-5000C

US-5000C Rope Grabs are made of durable non-corrosive stainless steel, brass & bronze. They are 100% inspected for function, construction and material integrity and are designed to meet the performance requirements of ANSI Z359.1, OSHA 1926 (maximum 6 ft or 1.8m) when used with Polysteel / Poly Pro Blend lanyard be positioned not to exceed 6' free fall. The 5/8" (16mm) Rope must be installed and maintained properly (see LIFELINES below).

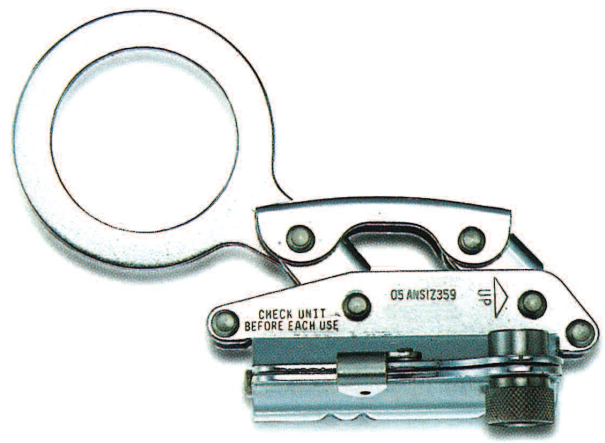
NOTE: This Rope Grab is intended to be used as part of a complete personal fall protection system. All other components subsystems and connectors used in conjunction or attached to this Rope Grab should be compatible and meet the appropriate OSHA /ANSI /CSA requirements for the intended application. Substandard or non-approved components could compromise the reliability of the system and jeopardize safety of the user.

BEFORE EACH USE:

- Open unit and inspect. All components must be free of dirt or debris. (Also see LIFELINE INSPECTION below)
- Check components for damage or wear that may affect the free movement and/or operation of the mechanism. If in doubt of condition do not use. Units with signs of any of the following check items should be removed from service and properly discarded.
- The upper tension roller should rotate and move freely in its slot under spring tension
- Inspect gripping mechanism for proper operation by

pivoting ring and gripper back and forth. Movement should be free easy without binding. The spring resistance should be noticeable.

- The locking screw should thread easily and tighten against the body with body parts touching
- The locking clip should rotate easily and pass over the detent and into the notch of the body with sufficient resistance to hold it in the locked position.
- Do not attempt to alter or repair this Rope Grab.
- All other components of the fall protection system attached to and used in conjunction with this Rope Grab should be inspected as per manufacturers instructions and OSHA /ANSI /CSA guidelines.
- Record inspection results and keep on file.



THESE INSTRUCTIONS FOCUS ON THE CARE AND USE OF THIS ROPE GRAB AND ARE NOT A SUBSTITUTE FOR A FORMAL CLIMBING AND FALL PROTECTION TRAINING PROGRAM.

Equipment users must be fully trained in and conversant with all regulatory requirements applicable to the workplace, in which the fall protection equipment is to be used. If in doubt contact your local OSHA or CSA office for clarification. Such training should include information about local circumstances, rules and regulations applicable to the work situation, a hands-on opportunity to learn how to wear and attach equipment properly, instructions about

DROP LINE & LIFE LINE: type & selection, strength, stretch, wear, degradation factors, use & maintenance.

HARNES: type & selection, use & maintenance.

LANYARD, SAFETY SNAPS AND HARDWARE: type & selection, compatibility, use & maintenance.

ANCHOR POINTS: proper techniques and hardware for securing and connecting lanyards, drop lines or lifelines.

PHYSICS OF FALLING: calculating falling distance, hazards, assessing total fall arrest system.



MAINTENANCE:

- Clean Rope Grab with water and mild soap. Wipe off with clean dry cloth. Low pressure compressed air may be used.
- Lubricate with light oil such as WD-40. Use a small amount of oil on pivot and roller bearing points. Wipe off excess oil from body and surfaces of the rollers so that oil is not transferred to the rope.

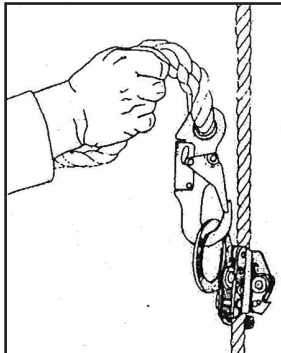


Diagram 1: Correct repositioning of Rope Grab

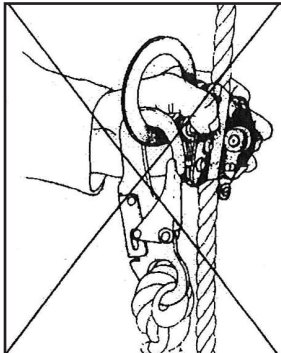
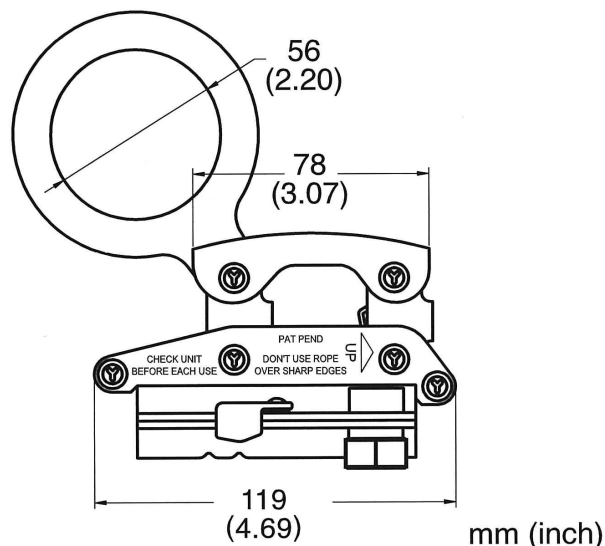


Diagram 2: Incorrect repositioning of Rope Grab

INSTALLATION AND USE:

- To open the US-5000C pivot the locking clip away from the body then turn locking screw Counter-clockwise till disengaged then pivot open. Inspect as outlined above.
- Position Rope Grab with arrow pointing up (roller attached to hinge pin will be pointed down)
- Insert the lifeline. Only 5/8" (15.875mm) dia. rope should be used.. (See LIFELINE section following).
- Pivot the ring so that the gripper does not press against the rope then close the unit around the rope.
- Tighten the locking screw. It should thread easily and tighten against the Rope Grab body with both body parts touching. Rotate the locking dip over the detent (dimple) into the, notch in the body. It should move easily, and be held in the locked position by a combination of the detent and bronze thrust wash-er. Be sure the screw is tight and clip is fully in the locked position.
- Test mobility: This Rope Grab was designed to function with a. minimum of effort Move upward by pulling up on the ring, the Rope Grab should move easily upwards. Move downward by lifting up on the ring enough-to release the gripper and allow the weight of the unit to 'Move the Rope Grab downwards. Repeat to ensure the freedom of movement.
- Test the installation by pulling down sharply on the ring to ensure that the mechanism locks onto the rope. Continued on other side.
- **WARNING: WHEN IN USE, DO NOT REPOSITION / MOVE THE UNIT BY HOLDING ON TO THE BODY OF THE ROPE GRAB. IF A WORKER SHOULD FALL WHILE HOLDING THE ,BODY OF THE ROPE GRAB THEY MAY BE RESTRAINING THE LOCKING MECHANISM, RENDERING IT UNABLE TO ARREST THE FALL. SERIOUS INJURY COULD RESULT. See Diagrams 1 & 2.**



- To assist the 'trailing' movement of the Rope Grab the vertical life line should be held taught by attaching a 6 to 10 lb. weight or by securing the lifeline from below. The safest method is determined by job site conditions and trained personnel.
- Rope Grabs are designed for use in a one person fall arrester restraint system with a maximum weight (person and equipment) of 400 lbs.
- Anchor point should be capable of supporting a 5000 lb (22.3kN) load and located directly above the user or twice the intended load.
- Lanyards should be selected to meet the application with a 5000 lb (22.3kN) tensile strength on all components. ANSI Z359.1 lanyard or twice the intended load. CSA Z259.2 - a permanently attached 3 ft (0.6m) lanyard may be installed.
- Never allow rope or rope grab to contact any outside objects during use. Make sure that your path is free and clear of obstructions and hazards.
- Positioning the rope grab above user on the life line minimizes falling distance.
- Calculate fall distance
- Avoid swing falls by working directly below the anchor point whenever possible.
- If Rope Grab is subject to an arrest it should be removed from service and discarded.
- After use, inspect as instructed above then clean and store.