



REBAR CHAIN POSITIONING DEVICE

INSTRUCTION MANUAL

THE INSTRUCTIONS APPLIES TO
THE FOLLOWING MODELS: RCP24

REBAR CHAIN POSITIONING DEVICE INSTRUCTIONS

Do not skip this instruction manual. Read the instruction manual carefully before using the equipment. If failed in doing so it may cause serious injury or Death.

IMPORTANT: Compliant fall protection equipment must only be used as it was designed. Users MUST read and follow all user instructions provided with the product. Before using a positioning, travel restraint, or fall arrest system, users must be trained in the safe use of the system, as required by OSHA 29 CFR 1910.30 and 1926.503, or local safety regulations. Misuse or failure to heed these warnings and instructions may result in injury or even death.

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IF YOU HAVE ANY QUESTIONS ABOUT THE PROPER USE OF THE EQUIPMENT, SEE YOUR SUPERVISOR, USER INSTRUCTIONS, OR CONTACT LSD FOR MORE INFORMATION.

1. General Safety Information

These User Instructions are not to be removed except by the user of this equipment. User Instructions must always be available to the user.

2. Warning

1. Failure to follow all instructions and limitations on the use of the LSD's Positioning Lanyards may result in serious personal injury or death.
2. Minors, pregnant women and anyone with a history of either back or neck problems should not use this equipment.
3. Read instructions and labels before use. Do not remove or alter labels.
4. Do not use or install equipment without proper training from a "competent" person as defined by OSHA 29 CFR 1910.140(b) and 1926.32(f).
5. Positioning Lanyards are designed for a single user.

6. Do not use Lanyards for material handling.
7. Not all work positioning, travel restraint, and fall protection components are rated for the same user weight capacity. Only use components rated for the same weight capacity.
8. Do not use combinations of components or subsystems or both which may affect or interfere with the safe function of each other. Only make compatible connections.
9. Lanyards used in work positioning, a system rigged to allow an employee to be supported on an elevated vertical surface, such as a wall (or a pole), and working with both hands free while leaning, must limit the maximum free fall distance to 2 feet (0.6m).
10. Lanyards used in travel restraint systems must restrict the user from being exposed to any fall.
11. Caution must be taken when using Lanyards near moving machinery, electrical hazards, sharp edges, or abrasive surfaces. Contact with these elements may cause equipment failure, personal injury, or death.
12. Do not expose Lanyards to chemicals or harsh solutions which may have a harmful effect.
13. Positioning, travel restraint, and fall arrest systems, including Lanyards, must be inspected prior to each use for wear, damage and other deterioration. Defective components must be immediately removed from service in accordance with the requirements of OSHA 29 CFR 1910.140 and 1926.502.
14. Striking objects horizontally due to the pendulum effect of a swing fall may cause serious injury or death.
15. Only lanyards designed for tie-back are approved for tie-back directly onto the webbing.
16. Never attach the unused leg of the lanyard back to the harness at any location other than the lanyard parking attachment.
17. Do not use it if inspection reveals any defect, wear, damage, deterioration, inadequate maintenance, or unsafe condition. Do not use any equipment that has been subjected to the forces to arrest a fall or if any part of the load indicator warning is showing.
18. Only LSD, or persons or entities authorized in writing by LSD, may make repairs or alterations to the equipment.
19. Alterations or misuse may result in serious personal injury or death.

3. Use Instructions and Limitations

IMPORTANT: Before use, the user must read and understand these User Instructions. Keep these User Instructions for reference.

Purpose Lanyards are designed to be used as part of a positioning or travel restraint system.

User Instructions

1. Failure to follow all instructions and limitations on the use of Lanyards may result in serious personal injury or death.
2. Before using work positioning, travel restraint, and fall arrest systems, employees must be trained in accordance with the requirements of OSHA 29 CFR 1910.30 and 1926.503 in the safe use of the system and its components.
3. Positioning, travel restraint, and fall arrest systems must be inspected prior to each use for wear, damage, and other deterioration. Defective components must be immediately removed from service in accordance with the requirements of OSHA 29 CFR 1910.140 and 1926.502.
4. Complete positioning, travel restraint, and fall arrest systems must be planned (including all components, calculating fall clearance, and swing fall) before using.
5. Users must have a rescue plan, and the means at hand to implement it, that provides for the prompt rescue of the user in the event of a fall or assures us that the user is able to rescue themselves.
6. Store Lanyards in a cool, dry, clean environment, out of direct sunlight, when not in use.
7. After a fall occurs on the system, immediately remove from service until a “competent” person can make the determination for reuse or disposal.

User Limitations

Users

Lanyards are designed for single users in work positioning or travel restraint systems; not for fall arrest.

Capacity

Lanyards are designed for users with a capacity (including clothing, tools, etc.) up to 310 lbs. (141 kg) total working weight.

Fall Clearance

Ensure that enough clearance exists in your fall path to prevent striking an object. The amount of clearance required is dependent upon the type of connecting subsystem used (energy absorbing lanyard, self-retracting lifeline), the anchorage location, and the amount of stretch in the harness.

Corrosion

Do not leave Lanyards in environments where corrosion of metal parts could take place because of vapors from organic materials. Using near seawater or other corrosive environments may require more frequent inspections to ensure corrosion damage is not affecting the performance of the product.

Chemical Hazards

Solutions containing acids, alkali, or other caustic chemicals, especially at elevated temperatures, may cause damage to Lanyards. When working with such chemicals, frequent inspection of this equipment must be carried out. Contact LSD with any questions concerning the use of Lanyards around chemical hazards.

Electrical Hazards

Use extreme caution when working near high voltage power lines due to the possibility of electric current flowing through the Lanyards or connecting components.

Health

Minors, pregnant women and anyone with a history of either back or neck problems should not use this equipment.

Training

Do not use Lanyards without proper training from a "competent" person as defined by OSHA 29 CFR 1910.140(b) and 1926.32(f).

Repairs

Only LSD or people or entities authorized in writing by LSD, may make repairs or alterations to the equipment.

4. Anchorage Requirements

All the anchorages to which Lanyards attach must meet the requirements of OSHA 29 CFR 1926. OSHA states:

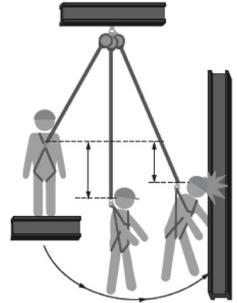
1. Positioning devices shall be secured to an anchorage capable of supporting at least twice the potential impact load of an employee's fall or 3,000 pounds lbs. (13.3 kN), whichever is greater.
2. When more than one fall arrest system is attached to an anchorage, the strengths set forth in (a) and (b) above shall be multiplied by the number of systems attached to the anchorage. 5 ft. To Worker's Back D-Ring
3. Anchorages used in work positioning systems must be capable of supporting loads of 3,000 lbs. (13.3 kN) for non-certified anchorages or two times the foreseeable force for certified anchorages per ANSI Z359.2.
4. Anchorages used in restraint systems must be capable of supporting loads of 1,000 lbs. (4.5 kN) for non-certified anchorages or at least two times the foreseeable force for certified anchorages per ANSI Z359.2.

5. ANSI Z359.2 states that anchorages selected for fall arrest systems must have the strength capable of sustaining static loads applied in all permitted directions by the system:
- (a) Fall Distance 13 ft. no less than 5,000 pounds (22.2 kN) for non-certified anchorages; or 5 ft.
 - (b) Working Level at least two times the maximum arresting force for certified anchorages.

All anchorages should be located vertically above the user's head and be positioned as to not exceed the maximum allowable free fall for the system.

Swing Falls

To minimize the possibility of a swing fall, anchor as directly above the work area as possible. Striking objects horizontally, due to the pendulum effect, may cause serious injury. Swing falls also increase the vertical fall distance of a worker, compared to a fall directly below the anchorage connector. Swing falls may be reduced by using overhead anchorage connectors that move with the worker.



5. Connection Requirements

Compatibility Limitations

All connecting subsystems must only be coupled to compatible connectors. OSHA 29 CFR 1910.140 and 1926.502 prohibit snap hooks from being engaged to certain objects unless two requirements are met: snap hook must be a locking type and must be “designed for” making such a connection. Under OSHA “designed for” means that the manufacturer of the snap hook specifically designed the snap hook to be used to connect to the equipment in question.

The following connections must be avoided because they can result in rollout* when a non-locking snap hook is used:

- » Direct connection of a snap hook to horizontal lifeline.
- » Two (or more) snap hooks connected to one D-ring.
- » Two snap hooks connected to each other.
- » A snap hook connected back to its integral lanyard.
- » A snap hook connected to a webbing loop or webbing lanyard.
- » Improper dimensions of the D-ring, rebar, or other connection point in relation to the snap hook dimensions that would allow the snap hook keeper to be depressed by a turning motion of the snap hook

**Rollout: A process by which a snap hook or carabiner unintentionally disengages from another connector or object to which it is coupled. (ANSI Z359.0).*

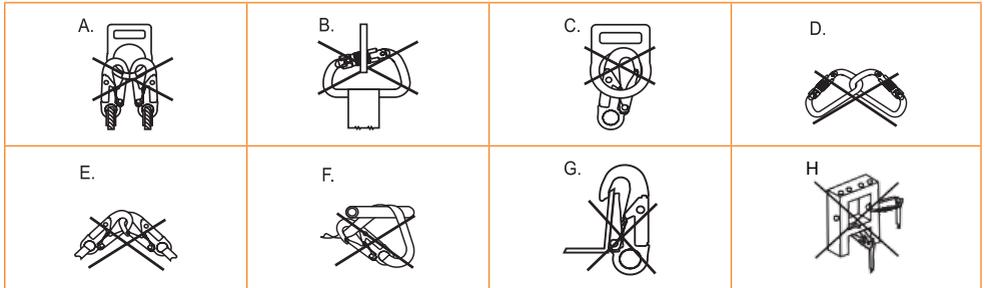


Figure 1 - Inappropriate Connections

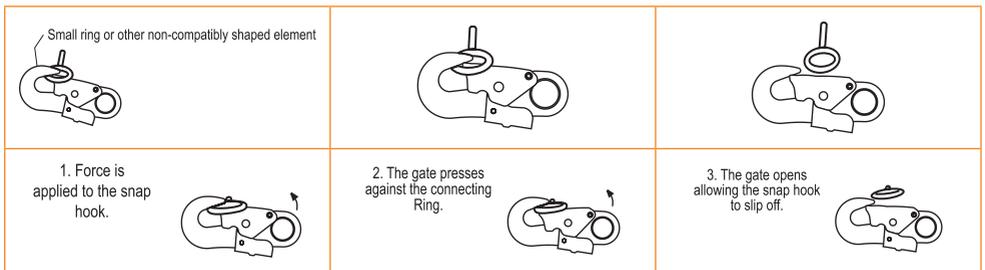


Figure 2 - Unintentional Disengagement (roll-out)

6. Operation



Before using positioning, travel restraint, and fall arrest systems, employees must be trained in accordance with the requirements of OSHA 29 CFR 1910.30 and 1926.503 and/or applicable local, state, governmental agencies, in the safe use of the system and its components.

Personal fall arrest systems, including Lanyards, must be inspected prior to each use for wear, damage, and other deterioration. Defective components must be immediately removed from service in accordance with the requirements of OSHA 29 CFR 1910.140 and 1926.502 and/or applicable local governmental and jurisdictional standards.

Before each use

Users must have a rescue plan, and the means to implement it, that provides for the prompt rescue of employees in the event of a fall or assures that employees are able to rescue themselves.

The user must read and understand these User Instructions, as well as the User Instructions for every component and subsystem of the positioning, travel restraint, and fall arrest system. Lanyards must be inspected prior to each use. **See INSPECTION.**

Connection

Connect the snap hook of the Lanyard to the full body harness or body belt. For work positioning applications always use both hip D-ring connections on the full body harness when securing Lanyards. For travel restraint applications attach one end of the Lanyard to the dorsal, sternal or rear waist d-ring on the full body harness. Lanyards with a rebar hook must attach the rebar hook to the anchor or anchorage connector and not to a d-ring on the full body harness. Lanyards must be secured to an approved anchorage or anchorage connector. See the full body harness user instructions for more information on connection locations and procedures.

Connecting Rebar Positioning

Lanyards Connect the snap hooks of the rebar positioning lanyard to both hip D-ring connections on the full body harness. Then connect the rebar hook to the anchor or anchorage connector. When connecting to rebar connect the rebar hook to the intersection of the horizontal and vertical rebar.

7. Inspection



If inspection reveals any defect, inadequate maintenance, or unsafe condition, remove from service until a “competent” person, as defined by OSHA 29 CFR 1910.140(b) and 1926.32(f), can determine the need for authorized repair or disposal.

Any equipment that has been subjected to the forces of arresting a fall, or that has a deployed load indicator, must be removed from service until a “competent” person can determine the need for authorized repair or disposal.

Frequency

Do not use it if inspection reveals any defect, wear, damage, deterioration, inadequate maintenance, or unsafe condition. Do not use any equipment that has been subjected to the forces of arresting a fall, or if any part of the load indicator warning is showing.

All components of Lanyards must be inspected prior to each use, and annually by an OSHA defined “competent” person other than the user. Local, state, governmental and jurisdictional agencies governing occupational safety may require the user to conduct more frequent or mandatory inspections.

Criteria

- » All components of the Lanyard must be inspected.
- » All markings must be legible and attached to the product.
- » All equipment must be free of corrosion, chemical attack, alteration, excessive heating or wear.
- » All snap hooks and carabiners on products must be able to self-close and lock. All hardware must be free of cracks, sharp edges, deformation, corrosion, or any evidence of defect.
- » To inspect webbing, bend a 6 – 8-inch portion of the webbing into an upside down ‘U’ shape.

Continue along all webbing and rope inspecting for tears, cuts, fraying, abrasion, discoloration, burns, holes, mold, pulled or broken stitches, or other signs of wear and damage.

- » Cable must be inspected for kinks, broken strands, corrosion, abrasion, or other signs of wear and damage. Swaged terminations should be secure with the thimble tight, and not visibly damaged.

8. Cleaning, Maintenance and Storage

Cleaning

Cleaning maintenance may be performed by the user. Lanyards may be wiped down with a mild detergent and clean water solution and rinsed with a dampened clean cloth to remove detergent. The hardware can also be wiped down to remove grease or dirt with a clean dry cloth.

Maintenance

Only LSD, or persons or entities authorized in writing by LSD, shall make repairs or alterations to the equipment.

Do not use any Lanyards that requires maintenance. Cleaning and maintenance may be performed by the user.

Snap hooks may require periodic lubrication. Do not apply oil, grease, or other contaminants on the webbing. Use a dry lubricant that has proper resistance to temperature extremes, moisture, and corrosion. Do not over-lubricate.

Storage

Store Lanyards in a cool, dry, clean environment, out of direct sunlight to help avoid UV degradation, when not in use.

Lanyards should be stored in a cool, dry place out of direct sunlight when not in use. Do not store where damage from environmental factors such as heat, light, excessive moisture, oil, chemicals and their vapors, or other degrading elements may be present.

Do not store damaged equipment or equipment in need of maintenance in the same area as product approved for use. Equipment that has been stored for an extended period must be inspected as defined in these User Instructions prior to use.

Concrete Anchor Strap must be removed. Use a knife or scissors to cut the Anchor Strap at the concrete seam (see Figure 7). After use, cut between labels and concrete to remove.

9. Product Labeling

All labeling must be legible and attached to the work positioning lanyard.



**REBAR CHAIN ASSEMBLY
ANSI Z359.3-2019
and OSHA
requirements**

WARNING!

Follow the manufacturer's instructions included with the equipment at the time of shipment before using. Improper use of this equipment could result in serious injury or death.

Date of MFG: MM/YYYY
Model #: RCP24
Length: 2.0 FT
Material: Alloy Steel
Capacity: 130-310lbs Max. including all tools
Batch #: xxxxxx
Serial #: xxxxxx

DO NOT REMOVE THIS LABEL.
MADE IN PRC

WARNING

MANUFACTURER'S INSTRUCTIONS AND WARNINGS SUPPLIED WITH THIS PRODUCT AT TIME OF SHIPMENT MUST BE FOLLOWED. Y-LANYARDS MAY ONLY BE USED WHERE NO VERTICAL FREE FALL IS POSSIBLE. LANYARDS USED FOR WORK POSITIONING MUST BE RIGGED SUCH THAT POSSIBLE FREE FALL IS 2 FT OR LESS. MAKE ONLY COMPATIBLE CONNECTIONS. AVOID LANYARD CONTACT WITH SHARP OR ABRASIVE EDGES. SYNTHETIC MATERIALS NOT FLAME OR HEAT RESISTANT. FAILURE TO HEED INSTRUCTIONS AND WARNINGS MAY RESULT IN SERIOUS INJURY OR DEATH. DO NOT ALTER PRODUCT.

For use only with other OSHA and ANSI compliant equipment Remove this lanyard as part of a personal fall arrest system.

DO NOT REMOVE THIS LABEL.

INSPECTION GRID

User must inspect prior to EACH use. Competent Person must complete formal inspection every 6 months. Competent Person to inspect and initial.

Date of First Use: _____

Product lifeline is 5 years from Date of First use, or, if not recorded, from date of manufacture, as long as equipment passes pre-use and competent Person inspections.

YR MO	20__	20__	20__	20__	20__	20__
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If equipment fails inspection
IMMEDIATELY REMOVE FROM SERVICE

DO NOT REMOVE LABELS

Life Safety Devices
222 Clifford St.
Newark, NJ 07105
1-800-429-0896
www.LSDsafety.com



Manual Revision Date: October 21, 2025