N-RCT27337, REBAR CHAIN ASSEMBLY INSTRUCTIONS AND WARNING

This manual should be used as part of the employee training program.

WARNING: *This product is part of a work positioning system. These instructions must be provided to the user and the rescuer. The user must read and understand these instructions before using this equipment. The user must follow the manufacturer's instructions for each component of the system. Manufacturer's instructions must be followed for proper use and maintenance of this equipment. Alterations or misuse of this equipment, or failure to follow instructions, may result in serious injury or death.*

IMPORTANT: *If you have questions on the use, care, or suitability of this equipment for your application, contact Yoke Industrial.*

IMPORTANT: *Before using this equipment, be sure to log relevant information in the Inspection and Maintenance Log at the back of this manual.*

Figure 1 - Rebar Lanyards for Work Positioning

A. PRODUCT SPECIFICATIONS:

A. 1 CHAIN ASSEMBLY UNIT:

Length: 27 inches
Legs: Chain
Connection between legs and center: Swivel
Rebar hook gate opening: 2.55 inches
Snap hook gate opening: 0.83 inches
Connectors: Leg: N-3617 snap hook . **Center:** N-3633T/0 swivel rebar hook

A. 2 MATERIAL SPECIFICATIONS:

Snap Hooks, Carabiners, D-ring: Yellow zinc
Chain: Steel alloy, 5/0 twist link, zinc plated.

A. 3 STRENGTH AND CAPACITY:
Snap Hooks, Carabiners: Capacity 5,000 lbs. tensile strength.

A. 4 Review the product labels to determine if your product meets ANSI Z359.3, ANSI A0.32 and OSHA requirements.

B. APPLICATIONS

B. 1 USAGE: The N-RCT27337 rebar chain assembly is intended be part of a work positioning system that holds and supports the user at a work location.

B. 2 COMPLIANCE: OSHA standard 1926.500 defines this equipment as part of a positioning device system. Refer to national standards, including the ANSI Z359 family of standards on fall protection, ANSI A0.32, and applicable local, state, and federal (OSHA) requirements governing occupational safety, for more information on work positioning systems.

C. LIMITATIONS:

Consider the following application limitations before using this equipment:

C.1 WEIGHT CAPACITY: The N-RCT27337 is designed for use by persons with a total weight (includes clothing, tools, etc.) of no more than 310 lbs (140kg).

C.2 FREE FALL: According to OSHA 1926.502, this equipment must limit potential free fall to 2 feet.

C.3 FALL CLEARANCE: There must be enough clearance for the equipment to arrest a fall without the user striking an object. The amount of clearance required depends on the anchorage location and the length and type of lanyard.

C.4 PERSONAL FALL ARREST SYSTEM: See Figure 2. Yoke recommends that this equipment be used with a personal fall arrest system to protect the user if the rebar chain assembly disengages from the anchorage point, or when the user detaches from the work positioning system during movement. Refer to OSHA 1926.50 and 1926.053 for more information.

C.5 ENVIRONMENTAL HAZARDS: Additional precautions to prevent injury to the user or damage to the equipment may be required if this equipment is used in hazardous environments.

C.6 TRAINING: This equipment must be used by people trained in its correct use. Training must be conducted on a regular basis without exposing the trainee to a fall hazard. The user bears full responsibility for understanding the contents of these instructions and assuring they are trained in the correct care and use of this equipment.

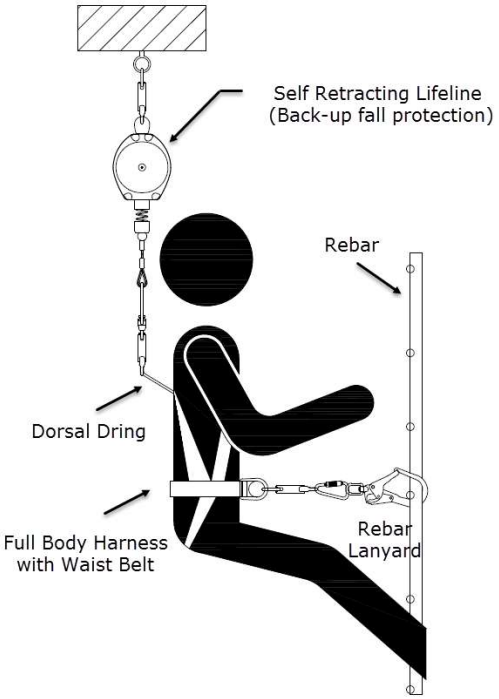


Figure 2 - Personal Fall arrest system

D. SYSTEM REQUIREMENTS

D.1 COMPATIBILITY OF CONNECTORS: As required by ANSI Z359.12, OSHA, and CSA Z259.12, only use suitable self-locking snap hooks and carabiners with this equipment. Ensure all connections are compatible in size, shape and strength before using. **Do not use equipment that is not compatible**. Connectors are compatible when they work together in such a way that their sizes and shapes do not cause gate mechanisms to unintentionally open. Always ensure connectors are fully closed and locked before using them. See Figure 3 for illustration of inappropriate connections of snap hooks and carabiners. Connectors must be capable of supporting at least 5,000 lbs (23 kN). Connectors must be compatible with the

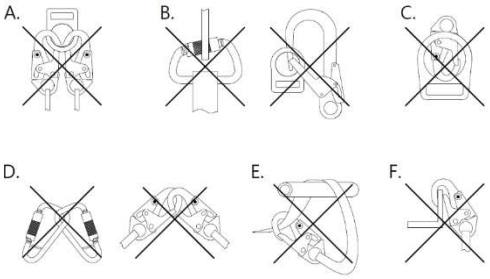
anchorage or other system components. Before use, ensure all connections are fully closed and locked.

D.2 ANCHORAGE STRENGTH: Anchorages must have a strength capable of sustaining static loads applied in the directions permitted by the system of at least:

- **a** 3,000 pounds (13.3kN) for non-certified anchorages or
- **b** Two times the foreseeable force for certified anchorages

When more than one work positioning system is attached to an anchorage, the strengths previously set forth in (A) and (B) shall be multiplied by the number of systems attached to the anchorage.

NOTE: *Large throat opening snap hooks should not be connected to standard size D-rings or similar objects which will result in a load on the gate if the hook or D-ring twists or rotates. Large throat snap hooks are designed for use on fixed structural elements such as rebar or cross members that are not shaped in a way that can capture the gate of the hook.*



A. D-ring that has another connector attached.
B. A Resultant load on the gate.
C. In a false engagement, where features that protrude from the snap hook or carabiner catch on the anchor and without visual confirmation seems to be fully engaged to the anchor point.
D. To each other.
E. Directly to webbing or rope lanyard or tie-back (unless the manufacturer's instructions for both the lanyard and connector specifically allows such a connection).
F. To any object which is shaped or dimensioned such that the snap hook or carabiner will not close and lock, or that roll-out could occur.

Figure3 - Inappropriate Connections

IMPORTANT: *Do not alter or intentionally misuse this equipment. Consult YOKE when using this equipment in combination with components or subsystems other than those described in this manual. Some subsystem and component combinations may interfere with the operation of this equipment. Use caution when using this equipment around moving machinery and electrical hazards. Do not loop the lanyard around small structural members.*

WARNING: *Consult your doctor if there is reason to doubt your fitness to safely absorb the shock from a fall arrest. Age and fitness seriously affect a worker's ability to withstand falls. Pregnant people or minors must not use YOKE rebar lanyards.*

E. PROPER USE

E.1 BEFORE EACH USE: Carefully inspect the equipment, as outlined in section F of this manual.

E.2 PLAN BEFORE YOU USE: Before using this equipment, plan your work positioning system such that you consider the following factors that will affect your safety during use of this equipment:

- **a HAZARD EVALUATION:** Evaluate the job site for all possible hazards and ensure that your intended path is unobstructed. See section C for more information.
- **b BODY SUPPORT:** Yoke recommends that a full-body harness be used with this equipment. A body belt may be used when it is a part of a full body harness.
- **c BACK-UP FALL PROTECTION:** Yoke recommends that this equipment be used with a personal fall arrest system. See section C and Figure 2 for more information. Consult the personal fall arrest system manufacturer's instructions for more information about proper use.
- **d RESCUE:** When using this equipment in situations where suspension could occur (ie: following a fall where self-rescue is not possible) the authorized person must have a rescue plan and the means to implement it.

E.3 AVOIDING ROLLOUT: Ensure that rollout cannot occur when a hook is used to connect to an anchorage. Roll-out occurs when interference between the hook and mating connector causes the hook gate to open and release. Make sure all connectors close and lock without manual assistance. Do not use hooks or connectors that do not completely close over the attachment object. Do not connect snap hooks or carabiners to each other.

E.4 CONNECTING THE REBAR CHAIN ASSEMBLY TO YOUR BODY SUPPORT AND ANCHORAGE:.

- **a CONNECTING TO YOUR BODY SUPPORT:** Connect one leg of the rebar chain assembly to each of hip D-rings on your body support (full body harness). For illustration, see Figure 4.

b **CONNECTING TO THE ANCHORAGE:** Connect the snap hook on the rebar lanyard to the intersection of the horizontal and vertical rebar, as shown in Figure 5.

c **CONNECTING THE PERSONAL FALL ARREST SYSTEM:** Connect the personal fall arrest system to the dorsal back D-ring on your full body harness. See Figure 2. See personal fall arrest system manufacturer's instructions for more information

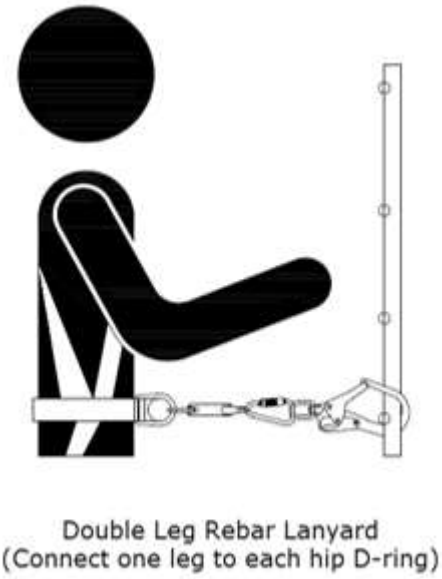


Figure 4 – Connecting To your body support

F. INSPECTION

F.1 FREQUENCY:

a **BEFORE EACH USE:** Follow inspection steps listed below in section F.2. **If equipment has been subjected to a fall arrest force, or is damaged, remove it from field service and destroy**

b **ANNUALLY:** A competent person must inspect this equipment at least annually, following the steps listed in section F.2. The results of this inspection, and any others, are to be recorded in the inspection and maintenance log. Extreme working conditions may require increasing the frequency of inspections

F.2 INSPECTION STEPS:

1. Inspect hardware (snap hooks, carabiners) for damage, distortion, sharp edges, worn parts, or corrosion. Ensure that the snap hooks or carabiners work properly. Hook gates must move freely and lock upon closing.
2. Inspect chain for damage, distortion, sharp edges, worn links, or corrosion.
3. Inspect each system component and subsystem according to manufacturer's instructions.
4. Record inspection date and results in the inspection and maintenance log.
5. If inspection reveals an unsafe or defective condition, remove rebar lanyard from service and destroy

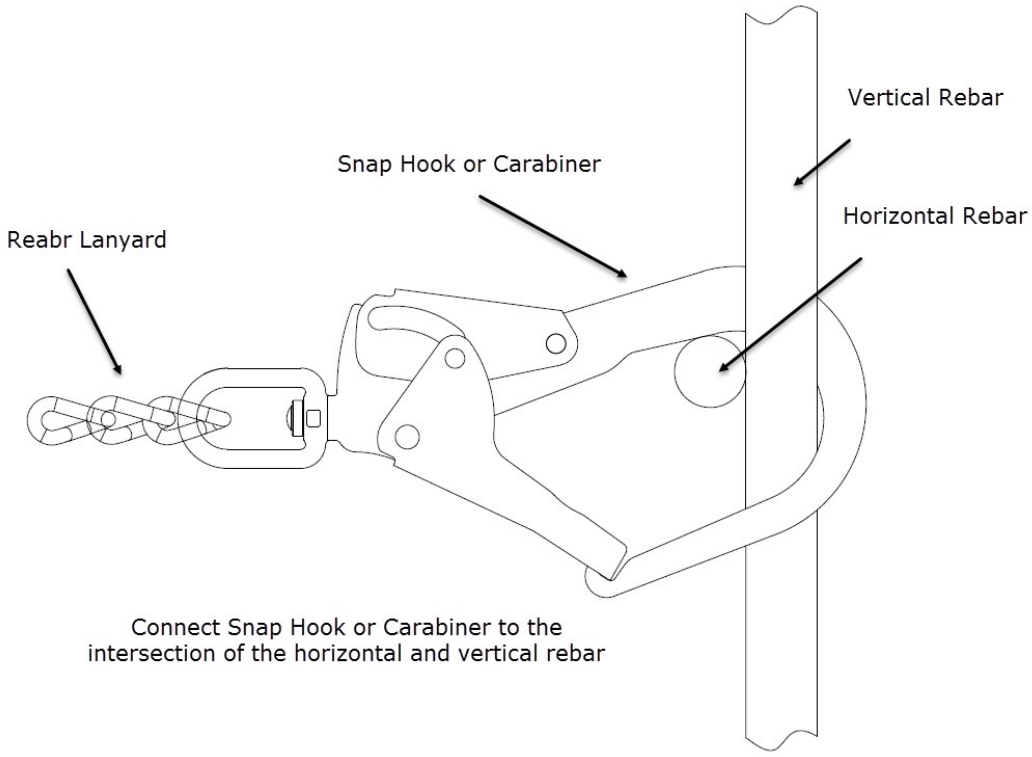


Figure 5 – Connecting To your body support

G. MAINTENANCE, SERVICING, STORAGE

E.5 Clean the rebar lanyard regularly with water and mild detergent. Wipe hardware with a clean, dry cloth and let air dry. Do NOT force dry with heat. Excessive build-ups of dirt may prevent the rebar lanyard from working properly. If you have questions about the condition of your rebar lanyard, contact YOKE.

E.6 Additional maintenance and servicing procedures must be completed by YOKE or parties authorized in writing. Do not disassemble this equipment. See section F for servicing frequency.

E.7 Store the rebar lanyard in a cool, dry, clean environment, out of direct sunlight. Avoid areas where chemical vapors are present. Thoroughly inspect this equipment after extended storage.

INSPECTION AND MAINTENANCE LOG

Purchase date	Service entry date	User's name

INSPECTION CHECK LIST

DATE	NOTE	CORRECTIVE ACTION TAKEN	PERFORMED BY	SIGNATURE
	PASS ○ FAIL ○	RETURN TO REPAIR ○ DESTROY ○		
	PASS ○ FAIL ○	RETURN TO REPAIR ○ DESTROY ○		
	PASS ○ FAIL ○	RETURN TO REPAIR ○ DESTROY ○		
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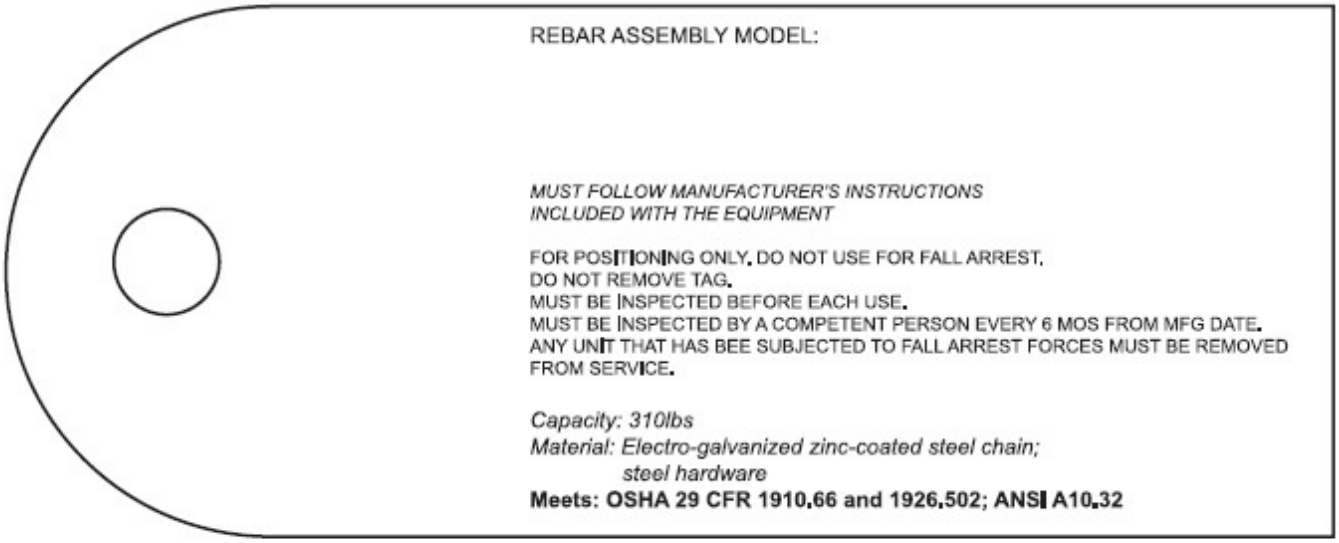
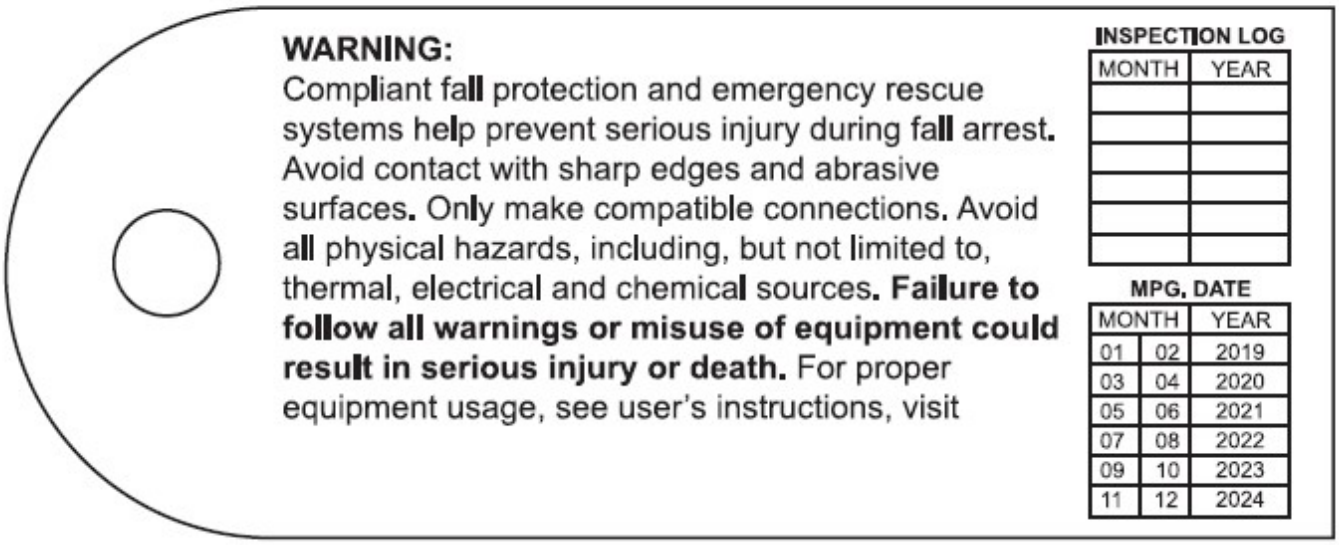
LABEL ATTACHMENT





Safety is our first priority ™

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