### INSPECTION AND MAINTENANCE LOG

MODEL NUMBER:

DATE OF MANUFACTURE:

Date	Part Number	Comments	Inspector Name

### Inspection:

Official periodic inspection must be made at least annually. The inspection must be performed by a competent or qualified person other than the user. If severe environmental conditions exist then inspections must be carried out more frequently All inspection results must be logged in the space provided above.

1. Inspect unit for visible signs of damage or wear that could affect operation. For example: kinked or frayed cables.

2. Ensure all labeling is affixed to the unit.

3. Check spoons and end termination operate smoothly with no metal burrs. 4. When reusing a previously drilled hole, inspect for debris or wallowing. 5. Record inspection results in the space provided above

\* If inspection reveals any damage that could affect the strength or operation of the device, inadequate maintenance, or an unsafe condition, proper disposal is required. The anchorage connector must be rendered unusable and then properly discarded.



# **Reusable Bolt Anchor** 5,000-lbf / 22kN Model: A513000XR

# Assembled in the USA gladeledeledeledeleder

WARNING: ALL USERS OF THIS EQUIPMENT MUST READ AND

ANDERSTAND ALL INSTRUCTIONS. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY OR DEATH. USERS SHOULD BE AMILIAR WITH PERTINENT REGULATIONS GOVERNING THIS

EQUIPMENT. ALL USERS OF THIS PRODUCT MUST BE PROPERLY INSTRUCTED ON HOW TO USE THE DEVICE. AVOID CONTACT WITH PHYSICAL HAZARDS (THERMAL, CHEMICAL, ELECTRICAL, ETC.). MAKE ONLY COMPATIBLE CONNECTIONS.

Werner Co. 93 Werner Road Greenville, PA 16125 1(888) 523-3371 / www.wernerco.com P/N 105545-03 Rev D 4/21

# **Read This Instruction Manual Carefully Before Using This Equipment.**

User Instructions must always be available to the user and are not to be removed except by the user of this equipment. For proper use, see supervisor, User Instructions, or contact the manufacturer. Werner Co. can supply additional information upon request.

Compliant fall arrest and emergency rescue systems help prevent serious injury during fall arrest. Users and purchasers of this equipment must read and understand the User Instructions provided for correct use and care of this product. All users of this equipment must understand the instructions, operation, limitations and consequences of improper use of this equipment and be properly trained prior to use in accordance with applicable standards. All references to "applicable standards" refer to ANSI, OSHA, state, local, and/or federal standards that apply to approved use. The local competent person must keep these instructions, make them available to users, and require their use. Misuse or failure to follow warnings and instructions may result in serious personal injury or death. PURPOSE

The A513000XR are anchorage connectors designed to function as an interface between the anchorage and a fall arrest, work positioning, rope access, or rescue system for the purpose of coupling the system to the anchorage. Any references to "anchorage connector" in this manual include, and apply to, the A513000XR.

- **USE INSTRUCTIONS** 
  - 2.
  - the safe use of the system and its components.
  - 3. load, applied in the directions permitted by the system, of at least 5,000-lbf (22kN) in the absence of certification.
  - to a maximum of 8 kN (1800-lbf). In the EU these forces must be limited to 6 kN (1350-lbf).
  - 5. this anchorage connector.
  - 6 manufacturer's inspection requirements.
  - 7. swing fall) before using.
  - 8. a fall, or assures that users are able to rescue themselves.

After a fall occurs, the anchorage connector must be removed from service and destroyed immediately. 9.

USE LIMITATIONS: This anchorage connector has been tested in compliance with the requirements of ANSI/ASSE Z359.7. Compliance testing covers only the hardware and does not extend to the anchorage and substrate to which the anchorage connector is attached. The anchorage connector must not be used outside its limitations or for any purpose other than that for which it is intended. If this anchorage connector is used differently from these instructions, it must be designed, installed, and used under the supervision of an engineer according to ANSI Z359.6 and local building codes as applicable.

- 1. The anchorage connector is designed for single user.
- The anchorage connector may be pulled in any direction shown in the PROPER LOADING diagram.
- 3
- 4 Do not expose the anchorage connector to chemicals or harsh solutions which may have a harmful effect.
- Do not alter or modify this product in any way. 5
- Caution must be taken when using any component of a fall arrest, work positioning, rope access, or rescue system near 6. injury, or death.
- 7.
- 8. Do not remove the labeling from this product.
- 9. All placements must be approved by an engineer or other qualified person.
- 10. approved to be used with 5,000-lbf anchorage connectors.
- 11. The anchorage connector should only be used as intended (see PURPOSE).
- qualified person to meet the requirements of the system that will connect to the anchorage connector.

### COMPATIBILITY LIMITATIONS

Anchorage connector must only be coupled to compatible connectors. OSHA 29 CFR 1926.502 prohibits snaphooks from being engaged to certain objects unless two requirements are met: it must be a locking type snaphook, and it must be "designed for" making such a connection. "Designed for" means that the manufacturer of the snaphook specifically designed the snaphook to be used to connect to the equipment listed. The following connections must be avoided, because they can result in rollout\* when a nonlocking snaphook is used:

- Direct connection of a snaphook to horizontal lifeline.
- Two (or more) snaphooks connected to one D-ring.
- Two snaphooks connected to each other.
- A snaphook connected back on its integral lanyard.
- A snaphook connected to a webbing loop or webbing lanyard.

• Improper dimensions of the D-ring, rebar, or other connection point in relation to the snaphook dimensions that would allow the snaphook keeper to be depressed by a turning motion of the snaphook. \*Rollout: A process by which a snaphook or carabiner unintentionally disengages from another connector or object to which it is

coupled. (ANSI Z359.0-2007)

# MAINTENANCE, CLEANING AND STORAGE

Cleaning periodically will prolong the life and proper functioning of the product. The frequency of cleaning should be determined by inspection and by severity of the environment. Clean with compressed air and/or a stiff brush using plain water or a mild soap and water solution. Do not use any corrosive chemicals that could damage the product. Wipe all surfaces with a clean, dry cloth and hang to dry, or use compressed air. When not in use, store anchorage connectors in a cool, dry, clean environment, out of direct sunlight and free of corrosive or other degrading elements.

# 🗥 WARNING 🧥

1. A user must be of sound mind and body to properly and safely use this equipment in normal and emergency situations. Before using a personal fall arrest system, user must be trained in accordance with the requirements of applicable standards in

Only use with systems that comply with applicable standards. The anchorage must have the strength capable of supporting a static

The user shall be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall

Use of this product must be approved by an engineer or other qualified person (as defined by OSHA 29 CFR 1926.32 (m)) to be compatible with any and all structural & operational characteristics of the selected installation location and system to be connected to

The anchorage connector must be inspected prior to each use for wear, damage, and other deterioration. If defective components are found, the anchorage connector must be immediately removed from service in accordance with applicable standards and the

The anchorage connector should be positioned in such a way that minimizes the potential for falls and the potential fall distance during use. The complete fall arrest system must be planned (including all components, calculating fall clearance, and

A rescue plan, and the means at hand to implement it, must be in place that provides the prompt rescue of users in the event of

The anchorage connector is designed to be used in temperatures ranging from  $-40^{\circ}$ F to  $+130^{\circ}$ F ( $-40^{\circ}$ C to  $+54^{\circ}$ C).

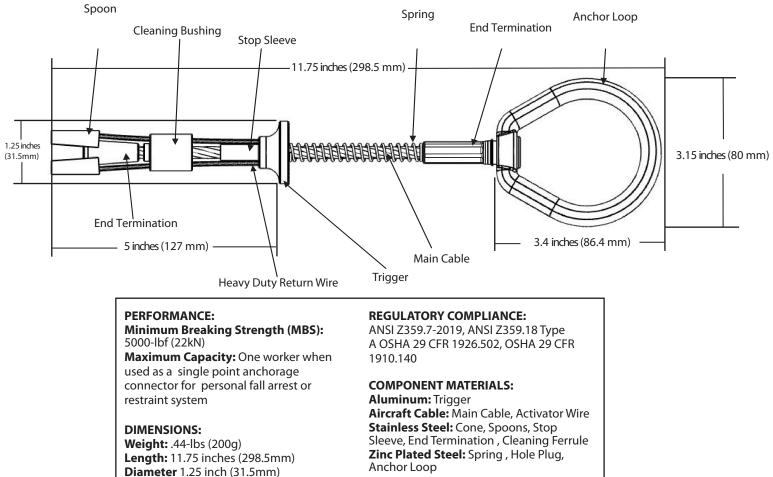
moving machinery, electrical hazards, sharp edges, or abrasive surfaces, as contact may cause equipment failure, personal

Do not use/install equipment without proper training by a "competent person" as defined by OSHA 29 CFR 1926.32(f).

Additional requirements and limitations may apply depending on anchorage type and fastening option utilized for installation.

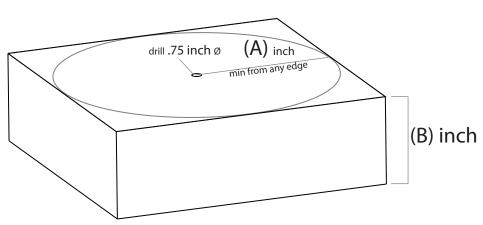
This anchorage connector should not be used as part of a horizontal lifeline system that has not been designed and/or

12. If attaching the anchorage connector to the support structure by methods other than instructed, the attachment must be certified by a

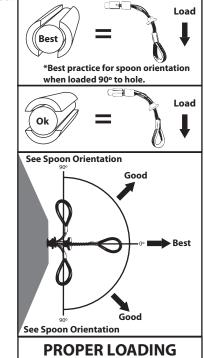


# **DRILLING & INSTALLATION INSTRUCTIONS:**

- 1. Drill a .75 inch (20mm) diameter hole at least 3.5 inches (89mm) deep. The drilled hole must be straight and per pendicular to the surface. Make sure the hole is of uniform diameter and free of peaks and valleys on the inner wall.
- 2. Blow hole clean with compressed air.
- 3. Always inspect the hole carefully when reusing a previously drilled hole.
- 4. When placing anchor, place your thumb inside the anchor loop and your first two fingers around the trigger. Squeeze fingers and thumb together till the trigger and spring fully compress. SPOON ORIENTATION
- 5. Insert unit at least 3 inches (76 mm) deep into hole and release the trigger. Do not force.
- **6.** Set the unit with a slight tug on the anchor loop.

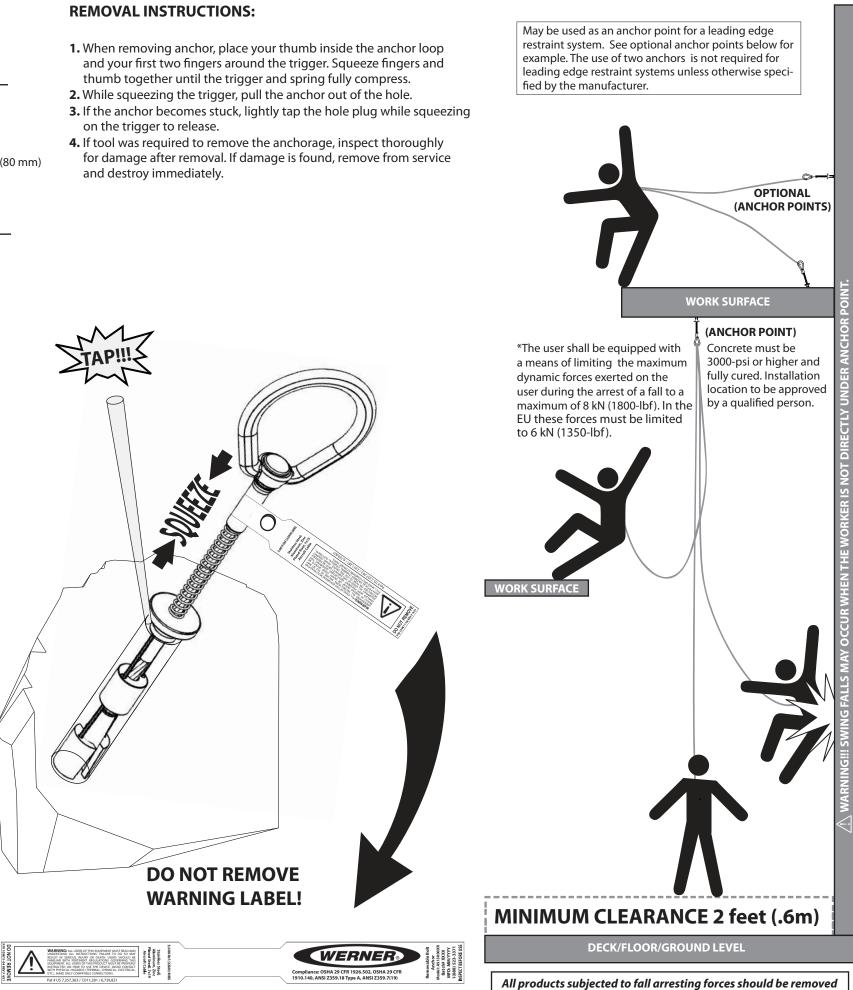


HOLE DRILLING REQUIREMENT CHART			
(A) inch Minimum distance from edge/corner	(B) inch Concrete thickness		
6 inches (15.3 cm)	12 inches (30.5 cm)		
12 inches (30.5 cm)	5 inches (12.7 cm)		



## **REMOVAL INSTRUCTIONS:**

- thumb together until the trigger and spring fully compress.
- on the trigger to release.
- and destroy immediately.



from service immediately!