

## 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.



### WARNING

Compliant fall protection 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 per OSHA 29 CFR 1910.66 and 1926.503 or applicable local standards. **Misuse or failure to follow warnings and instructions may result in serious personal injury or death.**

#### Purpose

The A450000 is an anchorage connector designed to function as an interface between the anchorage and a fall protection, 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 The A450000.

#### Use Instructions

1. Before using a personal fall arrest system, user must be trained in accordance with the requirements of OSHA 29 CFR 1910.66 in the safe use of the system and its components.
2. Use only with ANSI/OSHA compliant personal fall arrest or restraint systems. The anchorage must have the strength capable of supporting a static load, applied in the directions permitted by the system, of at least 5,000-lbf (22.2 kN) in the absence of certification.
3. Use of this product must be approved by an Engineer or other qualified person to be compatible with any and all structural & operational characteristics of the selected installation location and system to be connected to this anchor. **Improper use may result in serious personal injury or death.**
4. The anchorage connector must be inspected prior to each use for wear, damage, and other deterioration. If defective components are found the anchor connector must be immediately removed from service, in accordance with the requirements of OSHA 29 CFR 1910.66 and 1926.502.
5. The complete fall protection system must be planned (including all components, calculating fall clearance, and swing fall) before using.
6. 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 a fall, or assures that users are able to rescue themselves.
7. After a fall occurs, anchorage connector must be removed from service and destroyed immediately.

#### Use Limitations

1. The anchorage connector is designed for a single user, with a capacity up to 310 lbs (140 kg) user including clothing, tools, etc.
2. The anchorage connector may be pulled in any direction shown in the **LOADING CONDITIONS DIAGRAM**.
3. The Anchorage connector is designed to be used in temperatures ranging from -40°F to +130°F (-40°C to +54°C).
4. Do not expose the anchorage connector to chemicals or harsh solutions which may have a harmful effect.
5. Do not alter or modify this product in anyway.
6. Caution must be taken when using any component of a fall protection, work positioning, rope access, or rescue system near moving machinery, electrical hazards, sharp edges, or abrasive surfaces, as contact may cause equipment failure, personal injury, or death.
7. Do not use/install equipment without proper training by a "competent person" as defined by OSHA 29 CFR 1926.32(f).
8. Do not remove the labeling from this product.
9. Additional requirements and limitations may apply depending on anchorage type and fastening option utilized for installation. All placements must be approved by an engineer or other qualified person. **Improper use may result in serious personal injury or death.**

#### COMPATIBILITY LIMITATIONS

All anchor connectors 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:

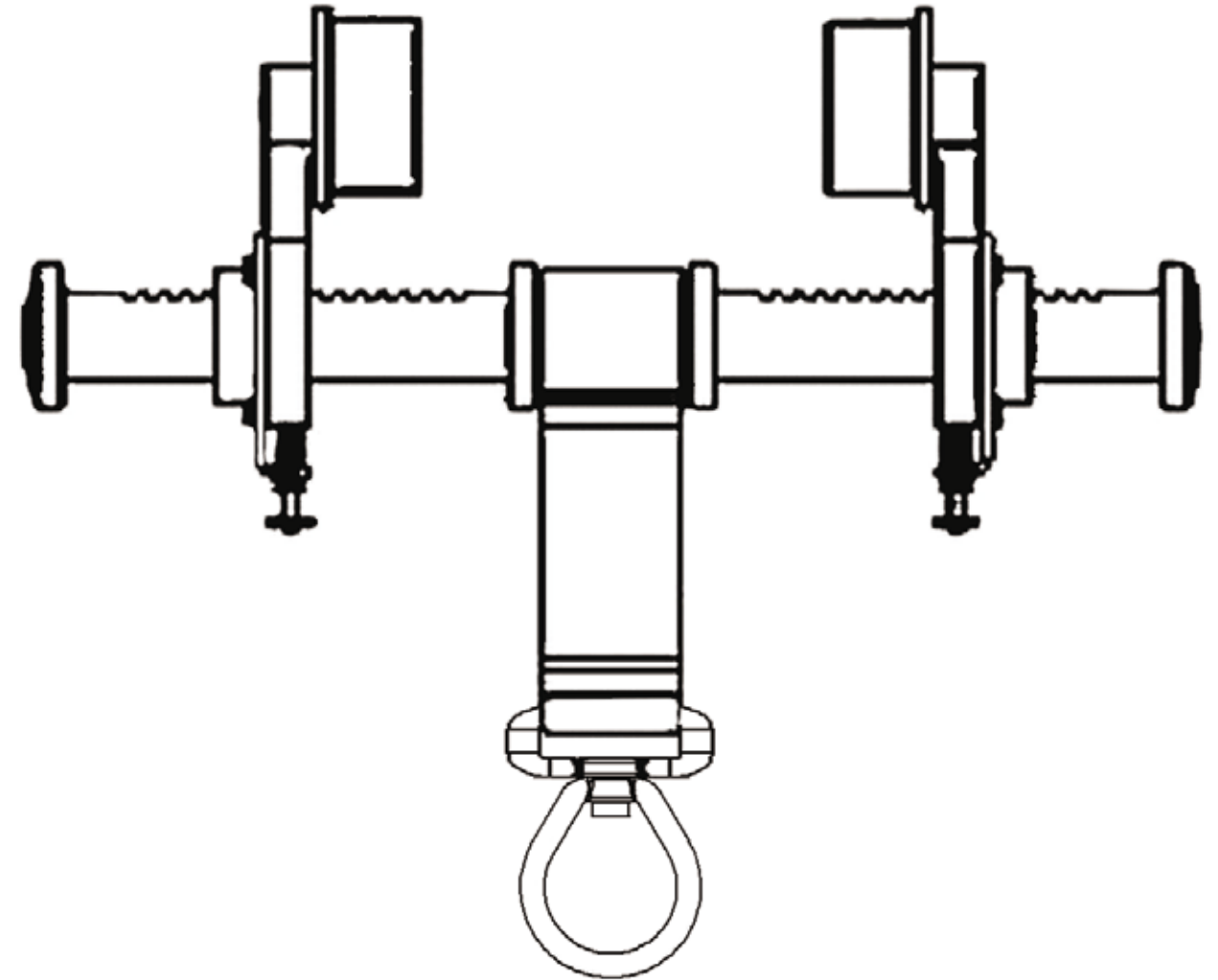
- Direct connection of a snaphook to horizontal lifeline.
- Two (or more) snaphooks connected to one D-ring.
- Two snaphooks connected to each other.
- A snaphook connected back on its integral lanyard.
- A snaphook connected to a webbing loop or webbing lanyard.
- Improper dimensions of the D-ring, 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 Z359.1-2007)

#### MAINTAINANCE, 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.

Werner co. / 93 Werner Rd., Greenville, PA 16125 / 1-(888)-523-3371 / www.wernerco.com



## OPERATION AND INSTRUCTION MANUAL

5,000-lbf (22kN) Beam Trolley: A450000

ANSI Z359.1-2007 / OSHA 1910.66 & 1926.502

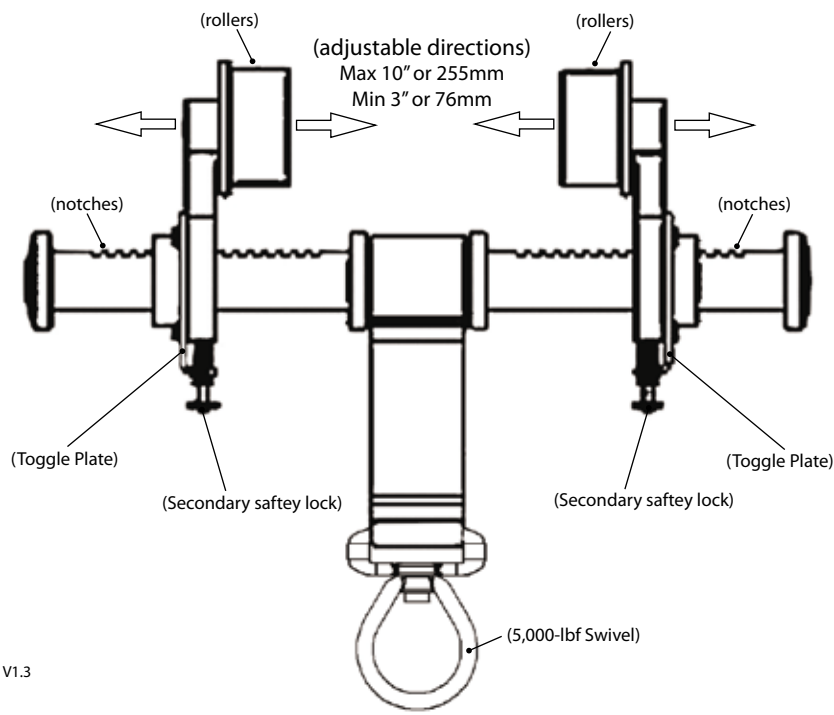
/ EN 795:1996 (+A1:2000) Class B



### IMPORTANT!!!

ALL PERSONS USING THIS EQUIPMENT MUST READ AND UNDERSTAND ALL INSTRUCTIONS. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY OR DEATH. USERS SHOULD BE FAMILIAR WITH PERTINENT REGULATIONS GOVERNING THIS EQUIPMENT. ALL INDIVIDUALS WHO USE THIS PRODUCT MUST BE PROPERLY INSTRUCTED ON HOW TO USE THIS DEVICE.

## USE AND INSTALLATION INSTRUCTIONS



V1.3

### Installation:

1. Locate a structural steel beam flange capable of withstanding a 5,000-lb. Static load or meeting OSHA 1926.502 requirements for a safety factor of two. (Max beam flange thickness of 7/8" or 23mm) Mounting location must be approved by a Engineer or qualified person.
  2. Push up on the toggle plate to allow the adjustable rollers to move.
  3. Fit the rollers over the edges of the beam flange, keeping the unit perpendicular to the beam.
  4. Slide the adjustable rollers so that both sets of rollers are full resting on the beam flange.
  5. Release the toggle plate and pull back on the adjustable rollers to ensure the ratchet teeth are fully seated in the nearest ratchet notches.
  6. Tug, rock, and twist the anchor in all directions to ensure that it cannot come off of the flange.
  7. Screw tight the secondary safety locking screws on the bottom of the toggle plate to insure the rollers can not move off the edge of the flange.
  8. The rollers must ride on a clear surface. Remove any dirt and grit if necessary.
  9. Ensure that Beam Trolley can not slide off the end of the beam it is attached too. Install stoppers if necessary.
- \*Always re-adjust according to steps 1-9 above when moving to a new or different size beam.**

### Performance:

**Static tensile strength:** 5000-lbf (22kN) minimum.

**Maximum capacity:** one worker with max weight of 310-lbs when used as a single point anchorage connector for personal fall arrest or restraint system.

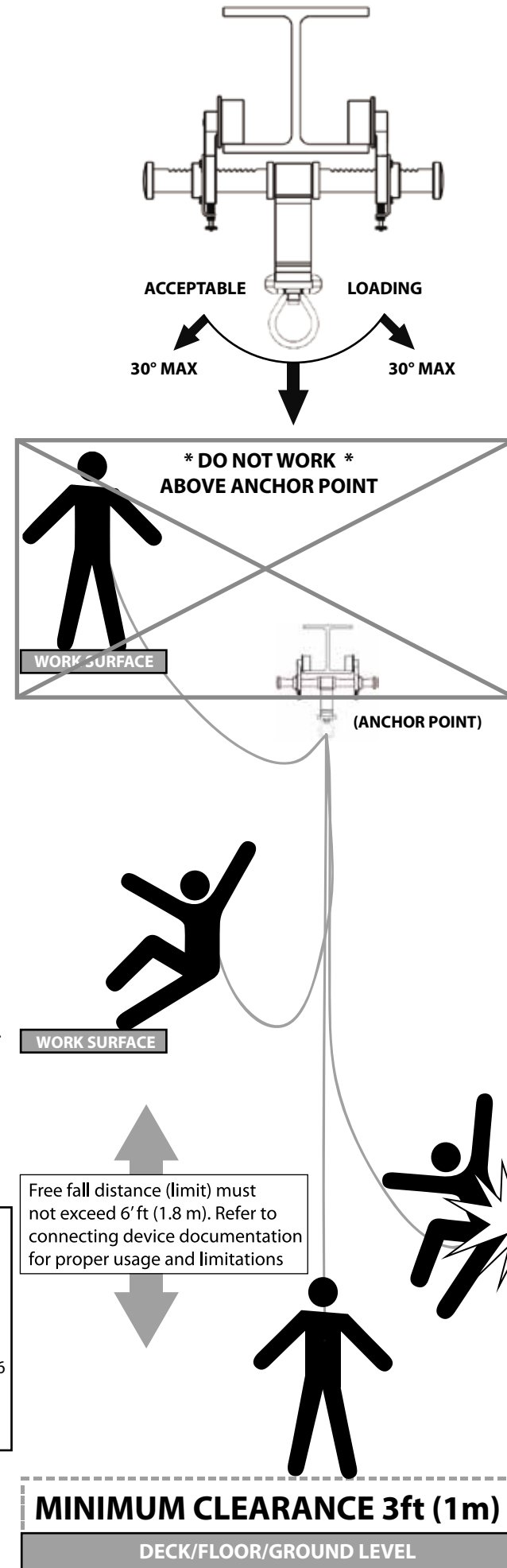
### Dimensions:

**Weight:** 7.7-lbs  
**Beam flange width range:** 3"-10"  
**Beam flange thickness:** Up to 7/8"  
**Regulatory compliance:**  
 OSHA 1910.66 & 1926.502 ANSI Z359.1-2007, Z359.7-2011 / EN 795:1996

### Component Materials:

**Aluminum:** cross bar, rollers, **Polyester:** webbing, **Zinc Plated Steel:** swivel, **Stainless Steel:** spring, hardware

**\*All products subjected to fall arresting forces should be removed from service immediately!**



WARNING!!! SWING FALLS CAN OCCUR WHEN THE WORKER IS NOT DIRECTLY UNDER ANCHOR POINT.

## INSPECTION AND MAINTAINANCE LOG



MODEL NUMBER: \_\_\_\_\_

DATE OF MANUFACTURE: \_\_\_\_\_

Date	Part Number	Comments	Inspector Name

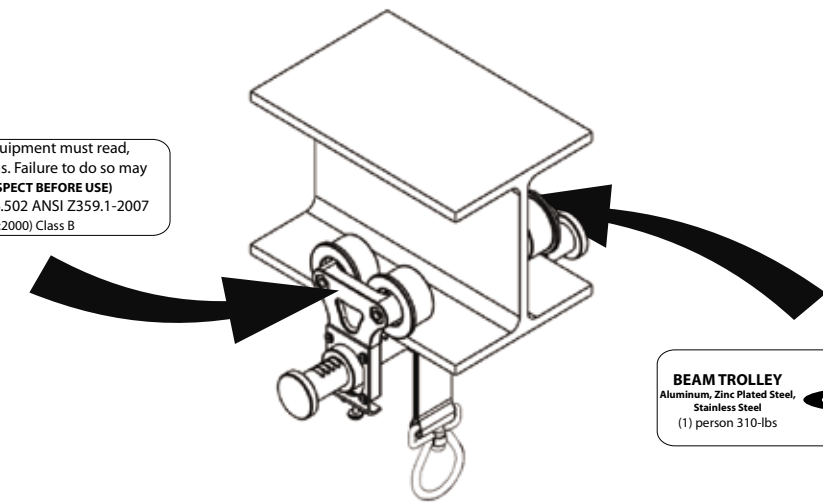
### Inspection:

Official periodic inspection must be made at least annually. The inspection must be performed by a qualified person other than the intended user. If severe weather or conditions exist then inspections must be carried out more frequently.

1. Inspect beam anchor to make sure the rollers ride flush with mounting surface and roll smoothly.
2. Make sure all labeling is affixed to the unit.
3. Inspect anchoring system for signs of damage or wear.
4. Make sure the unit can adjust and lock properly on to beam flange.
5. Record inspection results in the space provide above.

**\*If any damage that could affect the strength or operation or unsafe conditions are found proper disposal is required. The anchorage connector must be rendered unusable and then properly discarded.**

**WARNING:** All persons using this equipment must read, understand and follow all instructions. Failure to do so may result in serious injury or death. **(INSPECT BEFORE USE)**  
**COMPLIANCE:** OSHA 1910.66 & 1926.502 ANSI Z359.1-2007 Z359.7-2011 CE 0321 / EN 795:1996 (+A1:2000) Class B



**BEAM TROLLEY**  
 Aluminum, Zinc Plated Steel, Stainless Steel  
 (1) person 310-lbs

**Model: A450000**  
 1-(888)-523-3371  
 Lot: xxx MFG: mm/yyyy