



OWNERS MANUAL

MODEL: US-DWA-48

DESCRIPTION: Door Window Anchor

MEETS OSHA & ANSI Z359.1



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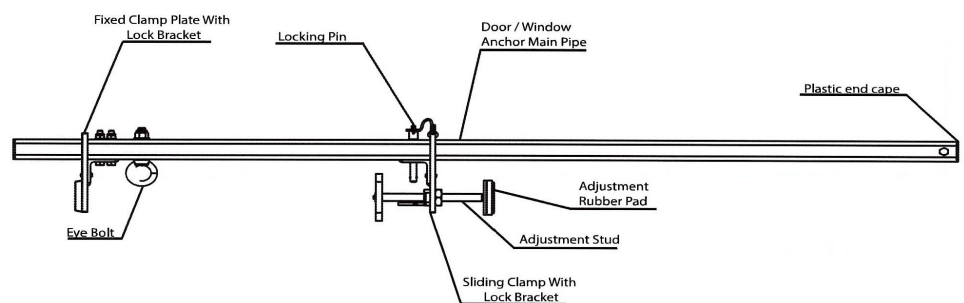


WARNING: This product is part of a personal fall arrest system. The user must read and follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user of this equipment. The user must read and understand these instructions before using this equipment. 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, application, or suitability of this safety equipment, contact Ultra-Safe. Before using this equipment, record the product identification information from the ID label in the inspection and maintenance log in section 8.0 of this manual.

1. INTRODUCTION

Door/Window anchors are specially designed so that they do not require fixing elements to the structure and they will come with one or more fixed anchor points. Door/window anchor is compressed against the door or window frame "jamming" itself between the two vertical sides. This device usually requires minimal installation or can be dismantled making the device easily portable. Door/Window Anchor provides a secure anchor point on door or window frames for use on a variety of sizes. The rubber pads on the inner side of the adjustable arms also ensure that the door/window frames do not get damaged. The adjustment range is from 23.6 inches to 50 inches.





2. APPLICATIONS

Purpose: The Door/Window Anchor is an anchorage connector for a personal fall arrest system, designed to be temporarily installed in a door or window opening/frame.

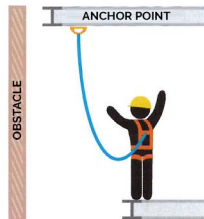
Limitation: The following application limitations must be considered before using this equipment:

Opening Sizes: The Door/Window Anchor may be installed in a Frame with opening sizes ranging from 23.6" to 50" wide.

Capacity: This equipment is designed for use by persons with a combined weight (clothing, tools, etc.) of no more than 310 lbs. No more than one personal protective system may be connected to this equipment at one time.

Free Fall: Personal fall arrest systems used with this equipment must be rigged to limit the free fall to a maximum of 6 feet when possible, as required by OSHA. The maximum free fall must always be within the manufacturer's free fall capacity of the system components used to arrest the fall.

Swing Fall: Swing falls occur when the anchorage point is not directly above or below the point where a fall occurs. The force of striking an object in a swing fall may cause serious injury or death. Minimize swing falls by working as close to the anchorage as possible. Do not permit a swing fall if injury could occur. Swing falls will significantly increase the clearance required when a self retracting lifeline or other variable length connecting subsystem is used.



Fall Clearance: There must be sufficient clearance below the user to arrest a fall before the user strikes the ground or other obstruction. The clearance required is dependent on the following factors:

- Elevation of Door/Window Anchor
- Length of connecting subsystem
- Deceleration distance
- Movement of harness attachment element
- Worker height
- Free fall distance

Work Zone: Do not extend your work zone more than 30 degrees from either side of the anchorage point. Do not use the door/Window anchor in a way such that it can be loaded at an angle above the level of the anchorage point. Do not climb above the anchor point.

Environmental Hazard: Use of this equipment in areas with environmental hazards may require additional precautions to reduce the possibility of injury to the user or damage to the equipment. Hazards may include, but are not limited to: heat, chemicals; corrosive environments, high voltage power lines, gases, moving machinery, and sharp edges.

Applicable Standards: Refer to national standards, including ANSI Z359.1, and local, state, and federal requirements for more information on personal fall arrest systems and associated components.

3. SYSTEM REQUIREMENTS

Personal Fall Arrest System: The Door/Window Anchor is designed for use with Manufacturer approved components or subsystems. Use of this equipment with non-approved components may result in incompatibility between equipment, and could affect the reliability and safety of the complete system. Personal fall arrest systems used with this equipment must meet applicable OSHA, state, federal, and ANSI requirements. A full body harness must be worn by the worker when connected to the Door/Window Anchor. As required by OSHA, the personal fall arrest system must be capable of arresting a worker's fall with a maximum arresting force no greater than 1,800 lbs., and where possible, limit the free fall distance to 6 ft. or less. If the maximum free fall distance of 6 ft. must be exceeded, the employer must be able to document, based on test data, that the maximum permissible arresting forces will not be exceeded, and that the personal fall arrest system will function properly. When a free fall greater than 6 feet and up to a maximum of 12 ft. is possible. Manufacturer recommends using a personal fall arrest system incorporating an energy absorbing lanyard. Ultra-Safe has performed testing using the energy absorbing lanyard in free falls up to 12 ft. to ensure the maximum arresting force does not exceed 1,800 lbs., and the system functions properly.

Compatibility Of Components: Inovatix equipment is designed for use with manufacturers approved components and subsystems only. Substitutions or replacements made with non approved components or subsystems may jeopardize compatibility of equipment and may effect the safety and reliability of the complete system.

Compatibility Of Connectors: Connectors are considered to be compatible with connecting elements when they have been designed to work together in such a way that their sizes and shapes do not cause their gate mechanisms to inadvertently open regardless of how they become oriented. Contact Ultra-Safe if you have any questions about compatibility. Connectors



(hooks, carabiners, and D-rings) must be capable of supporting at least 5,000 lbs.

Connectors must be compatible with the anchorage or other system components. Do not use equipment that is not compatible. Non-compatible connectors may unintentionally disengage. See Figure 4. Connectors must be compatible in size, shape, and strength. Self locking snap hooks and carabiners are required by ANSI Z359.1 or OSHA.

Appropriate Connections:



Use only connectors that are suitable for each application. Make sure all connections are compatible in size, shape and strength. Do not use a device that is not compatible. Make sure all connectors are completely closed and locked.

- Snap hooks and carabiners should not be connected to a D-ring to which another connector is attached.
- Snap hooks and carabiners should not be connected in a manner that would result in a load on the gate.
- Snap hooks and carabiners should not be connected 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.
- Snap hooks and carabiners should not be connected to each other.
- Snap hooks and carabiners should not be connected directly to webbing or rope lanyard or tieback (unless the manufacturer's instructions for both the lanyard and connector specifically allow such a connection).
- Snap hooks and carabiners should not be connected 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.



Large throat opening snap hooks such as Scaffold hooks should not be attached to standard size D-rings or similar items, as this will put loads on the gate if the hook or D-ring twists or rotates. Large throat snap hooks are designed for use on stationary structural elements such as rebar or cross members that are not shaped in such a way that they can hold the hook's gate.

Anchorage Strength: Door/Window Anchors installed for fall arrest applications must be attached to a door or window opening capable of sustaining static loads in the directions permitted by the personal fall arrest system when in use of at

least; (A) 3,600 lbs. when certification exists (see ANSI 2359.1 for certification definition), or (B) 5,000 lbs. in the absence of certification. Per OSHA 1926.500 and 1910.66: Anchorages used for attachment of a personal fall arrest system shall be independent of any anchorage being used to support or suspend platforms, and must support at least 5,000 lbs. per user attached; or be designed, installed, and used as part of a complete personal fall arrest system which maintains a safety factor of at least two, and is supervised by a qualified person.

4. INSTALLATION AND USE

Installation:

Step 1. Adjust the Door/ Window Anchor to fit inside the desired opening by removing the detent pin and sliding the adjustable leg toward the D- ring. Make sure the fine adjustment pad is adjusted so that it is tight against the support bar.

Step 2. Place the Door/ Window Anchor in the door or window opening with the D-ring facing the area where work will be performed. The adjustable leg may be located either on the left or right side of the opening. The Door/ Window Anchor must rest on the bottom of the window or door opening. Do not attempt to install the Door/ Window Anchor in a position where it is not supported by the floor or window sill.



This Door/ Window Anchor must be installed at the bottom of the window or door opening, resting on the sill. If the anchor is not resting on the sill it may rotate when loaded, allowing the anchor to come free of the window or door opening. Failure to follow this warning may result in serious injury or death.

Step 3. Slide the adjustable leg as close to the door or window jamb as possible and insert the detent pin in a corresponding set of adjustment holes. Secure the anchor using the fine adjustment knob by rotating the knob clockwise.

Using The Door/ Window Anchor:

- Personal Fall Arrest System:** Inspect and don your full body harness according to manufacturer's instructions. Attach the connecting subsystem (energy absorbing lanyard) to the dorsal D-ring on the harness.
- Structure:** Ensure the structure you will be connecting to is properly supported before using this equipment. Approach the structure using appropriate access equipment.
- Other Considerations:** When working on a structure do not take unnecessary risks, such as jumping or reaching too far from the edge. Be aware of all environmental hazards



- D. Sharp Edges:** Avoid working where the connecting subsystem (energy absorbing lanyard) or other system components will be in contact with, or abrade against, unprotected sharp edges. If working around sharp edges is unavoidable, protection against cutting must be provided through the use of a protective cover.
- E. In the Event of a Fall:** The responsible party must have a rescue plan and the ability to implement a rescue. Tolerable suspension time in a full body harness is limited, so a prompt rescue is critical.

Frequency: Before each use, inspect the Door/Window Anchor according to inspection steps. See Figure on page number 2 for parts identification. The Door/ Window Anchor must be formally inspected by a competent person other than the user at least annually. Record the results in the inspection and maintenance log section.

Inspection Steps:

- Step-1:** Inspect the Door/ Window Anchor for damage: Look for cracks, dents, or deformities. Look for bending or wear on the support tube, D-ring, and adjustment mechanisms. Ensure no parts are loose or missing.
- Step-2:** Inspect the adjustment mechanisms. The detent pin must lock when inserted into any of the adjustment holes.
- Step-3:** Inspect entire unit for excessive corrosion.
- Step-4:** Inspect labels. All product information labels must be present and fully legible.
- Step-5:** Record the inspection date and results in the inspection and maintenance log section of this manual.

NOTE: If inspection reveals an unsafe or defective condition remove unit from service and destroy, or return to Manufacturer for repair. Only Manufacturer or parties authorized in writing may make repairs to this equipment.

Cleaning: Periodically clean the Door/ Window Anchor using water and a mild soap solution. Do not use acids or other caustic chemicals that could damage the system components.

User Equipment: Maintain, service, and store harness and personal fall arrest components according to manufacturer's instructions.

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