



OWNERS MANUAL

MODEL: US-MPW-B8

DESCRIPTION: Parapet Anchor

MEETS OSHA & ANSI Z359.18



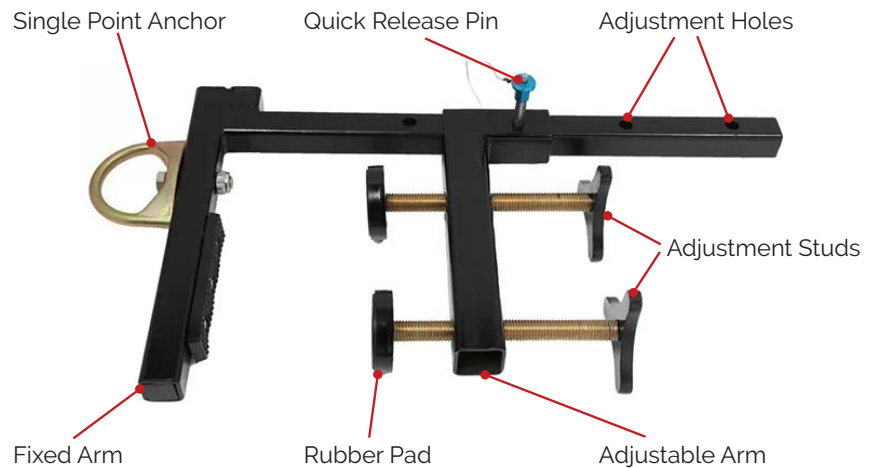
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INTRODUCTION

Parapet 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. This device usually requires minimal installation or can be dismantled making the device easily portable. Parapet anchor provides a secure anchor point on parapets and façades for use on various of structures. The rubber pads on the inner side of the adjustable arms also ensure that the parapet does not get damaged.

Fig. 1 Component Details



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.

Breaking Strength	Breaking Strength	Breaking Strength
5,000 lbs	Powder Coated MS	ANSI Z359.18:2007

GENERAL REQUIREMENTS

This product is part of a personal fall arrest system. Components must not be used for any other operation other than that which it has been designed and approved. Fall arrest systems are designed to comply with OSHA. Fall arrestor system must be designed by a qualified person, and must be installed and used under the supervision of a qualified person. All authorized users must refer to the regulations governing occupational safety, as well as applicable ANSI or CSA standards. Please refer to the product labeling for information on specific regulations and standards met by the product.

APPLICATIONS

Product Specific Application

Parapet Wall Anchor is a portable anchorage connector designed for fall arrest. It was developed to be used in locations where a low parapet wall provides an anchor site. Do not hang, lift or support tools or equipment from this device. In this application, the parapet wall anchor is used as part of a complete fall arrest system. Such systems typically include a full body harness and must include either a shock absorbing lanyard or self retracting life. Maximum permissible free fall is 6 feet.



Limitations

The following application limitations must be recognized and considered before using this product.

A. Anchorage: The parapet anchor is intended on a parapet wall up to 14 1/2 in. thick and the wall must meet the anchorage strength requirements set forth on page 4.

B. Capacity: Parapet Anchor is designed for use by persons with a combined weight (person, clothing, tools, etc.) of no more than 300 lbs. Only one personal protection system may be connected to the anchorage connector.

C. Free Fall: Personal fall arrest systems must be arranged in such a manner as to limit the free fall to a maximum of 6 feet (Ref. ANSI Z359.1). See the respective connecting subsystem manufacturer's instructions for more information.

D. Fall Clearance: Ensure that adequate clearance exists, all potential fall paths to avoid striking an object. The amount of clearance required depends on the type of connecting subsystem (used such as a shock absorbing lanyard or self-retracting lifeline) and the anchorage location. Refer to the manufacturer's instructions for the connecting subsystem or component for more information on fall clearance.

E. Corrosion: Do not leave this device for a long period of time in an environment where vapors from organic substances may escape into the atmosphere and cause corrosion of metal parts. Care must be taken when working around sewage or fertilizer as they contain high concentrations of ammonia which is very corrosive. More frequent inspection or servicing may be required when used near seawater or other corrosive environments to ensure that product performance is not affected by corrosion.

F. Chemical Hazards: Solutions containing acids, alkalis or other caustic chemicals, especially at high temperatures, can damage this equipment. When working with such chemicals, this equipment should be inspected frequently. If in doubt about using this equipment around chemical hazards, consult the manufacturer.

G. Heat: This equipment is not designed for use in high temperature environments. Protection must be provided for this equipment when used near welding, metal cutting or similar activities.

H. Electrical Hazards: Because of the possibility of electric current flow through this tool, or connecting components (hooks), use extreme caution when working near high voltage power lines.

I. Arresting Force: Individual fall arrest subsystem components used in conjunction with this product must withstand fall arrest forces less than 1,800 pounds. Use only shock absorbing lanyards or self-retracting lifelines with this product.

J. Training: This equipment should be used by persons who have been properly trained in its correct application and use.

SYSTEM REQUIREMENTS

Compatibility of Components

The Parapet Anchor was designed for use only with manufacturers approved components and subsystems. Substitution or replacement of non-approved components or subsystems may jeopardize the compatibility of the equipment and affect the safety and reliability of the entire system. If you have any questions about equipment compatibility, contact the manufacturer.

Compatibility of Connectors

Connectors can be considered compatible with connecting elements when they are designed to work together in such a way that their size and shape do not cause their gate mechanisms to open inadvertently, regardless of the direction in which they are positioned.

Connectors (hooks, carabiners, and D-rings) must be capable of supporting a load of at least 5,000 pounds (23 kN). Connectors must be compatible with anchorages or other system components. Do not use equipment that is not compatible. Non-compatible connectors may inadvertently become detached. Connectors must be compatible in size, shape, and strength. Self-locking snap hooks and carabiners are required by ANSI Z359.1 and OSHA.

Appropriate Connections



IMPORTANT: 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 tie-back (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.



WARNING: 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

Anchorages selected for personal fall arrest systems must have a strength capable of withstanding static loads applied in directions permitted by the personal fall arrest systems, at least (a) 3,600 pounds when certification exists (reference ANSI Z359.1 for certification definition), or 5,000 lbs in the absence of certification. When more than one personal fall arrest system is attached to an anchorage (i.e. I-beam,



etc.), the anchorage strength determined in (a) and (b) above shall be multiplied by the number of personal fall arrest systems attached to the anchorage.

OPERATIONS & USE



WARNING: Do not alter or intentionally misuse this equipment. Consult with Ultra-Safe 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, electrical and chemical hazards and sharp edges.



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 on page 8 of this manual.

Before Each Use Before each use of this equipment, carefully inspect it according to steps listed in section "Inspection Steps" on page 4.

Planning Plan your fall arrest system and how it be used before starting your work. Consider all factors that will affect your safety before, during and after a fall. The following list gives some important points to consider when planning your system:

- A. Anchorage:** Select an anchorage point that is rigid and capable of supporting the required loads. See Anchorage Strength on page 4.
 - B. Free Fall:** Personal fall and systems must be rigged to limit any free fall to a maximum of 6 feet (Federal law and ANSI Z359.1). Avoid working above your anchorage level since an increased free fall distance will result. Consult Ultra-Safe for maximum free fall distances for applications other than fall arrest.
 - C. System Performance:** The parapet wall anchor must be used in combination with either a shock absorbing lanyard or a self retracting lifeline that will limit the maximum fall arrest forces to 1,800 lbs.
 - D. Fall Clearance:** If someone falls, there must be sufficient clearance in the fall area to stop the fall before it hits the ground or another object. The actual clearance required depends on the type of all arrestor connecting subsystem used (shock absorbing lanyard or self-retracting lifeline). Energy absorbing lanyards can increase the fall arrest distance by up to 42 inches.
 - E. Swing Falls:** Swing falls occur when the anchorage point is not directly above the point where the fall occurs. The force of hitting an object while swinging can be very high and cause serious injury. Swing falls can be minimized by working as close to anchorage as possible. Do not work below the parapet wall anchor at an angle greater than 30 degrees from vertical, working beyond this limit can create a swing fall situation.
 - F. Sharp Edges:** Avoid working in a location where connecting subsystems (such as shock absorbing lanyards, self-retracting lifelines, full body harnesses, etc) or other system components will be in contact with or abrade against unprotected sharp edges.
- If working with this equipment near sharp edges is unavoidable, protection against cuts must be provided by using heavy pads or other means on the exposed sharp edge.
- G. Rescue:** If an accident occurs, the user (employer) must have a rescue plan and the means to implement it.
 - H. After Fall:** Any device that has been exposed to force to prevent falling must be immediately removed and destroyed or sent to a factory authorized service center for repair.
 - I. Abuse:** Avoid dropping the parapet wall anchor from a height or damage the product.
 - J. Foreign Elements:** Protect the device from contamination with paint, cement or other materials that could adversely affect the performance of the product.

Installation Steps:

Step-1: Determine a structurally sound location on the parapet for the parapet wall anchor. Ensure correct orientation of the anchor for loading forces. Ensure the parapet anchor is seated on top of the wall and perpendicular to the wall.



Step-2: Unscrew the screw handle all the way. Slide the adjustable inner clamping leg back far enough to allow clamp to be placed over parapet. Ensure the outward facing single point anchor is on the outside of the parapet. Ensure there are no protrusions or objects such as drains, wires, conduits, etc, that may interfere with the clamp. Set the parapet anchor on top of the parapet.



Step-3: Slide the adjustable inner clamping leg to line up the adjustment holes. There are two holes on the adjustable inner clamping leg for preliminary adjustment. Use whichever one allows the protective pad of the final adjustment hand clamp to remain closest to the adjustable inner clamping leg. Insert the locking pin through the adjustment hole, and insert the hair spring pin into the hole in the locking pin.

Step-4: Tighten the screw handle tight. Ensure the clamp gains secure contact with the parapet wall.



TRAINING

It is the responsibility of the user and purchaser of this equipment to ensure that they are familiar with the instructions, trained in its proper care and use, and aware of the operating characteristics, application limitations, and consequences of improper use of this equipment.



IMPORTANT: Training should be conducted without putting the trainee at risk of falling. Training should be repeated periodically.

INSPECTION

This appliance should be inspected at least annually by a competent person other than the user. Record the results of each formal inspection in the Inspection log on page 4.



IMPORTANT: Extreme working conditions (harsh environments, prolong use, etc) may require increasing the frequency of inspections. If this equipment has been subjected to forces resulting from the arrest of a fall, it must immediately removed from service and destroyed or returned to Ultra-Safe for possible repair.

- Step-1:** Inspect the parapet wall anchor for physical damage. Look carefully for any cracks, dents or deformities in the metal.
- Step-2:** Inspect the parapet wall anchor for excessive corrosion.
- Step-3:** Ensure that the working parts are free from excessive dirt, oil or other build-up.
- Step-4:** Inspect the D-ring, fixed arm and fasteners. The D-ring must be free of cracks, dents or deformities in the metal. The fixed arm and bolt holding the D-ring must be undamaged and the nut fastened tightly to the bolt.
- Step-5:** Inspect the points of the set screws. The points must not be broken and must be sharp enough to bite into a parapet wall.
- Step-6:** Inspect the quick release pin to ensure that it inserts fully through the position setting holes of the arms.
- Step-7:** Inspect labels. All labels should be present and fully legible.
- Step-8:** Inspect each system component or subsystems per associated manufacturer's instructions.

If inspection reveals a malfunction, immediately remove and destroy the unit or contact the manufacturer for repairs.

MAINTENANCE, SERVICING & STORAGE

- Clean with water, wipe with a cloth and hang in a ventilated room to dry naturally, keep away from direct sunlight or any harsh lighting. The same applies for elements that may have become wet.
- Prevent the product being transported with goods that have sharp edges. Keep the product intact in its packaging until opened for use.
- Component replacement and additional maintenance and servicing procedures must be completed by the manufacturer only.
- Clean and store body support and associated system components according to the manufacturer's instructions.

- Store in a cool, dry, clean environment, out of direct sunlight. Avoid areas where chemical vapors may exist. Inspect the container anchor post after extended storage.

INSPECTION AND MAINTENANCE LOG

Competent person inspections must be recorded in inspection log in instruction manual. The competent person must sign their initials in the box corresponding to the month and year the inspection took place.

USER INFORMATION	
Date of First Use:	
Serial Number:	
Trainer:	
User:	



Product lifetime is indefinite as long as it passes pre-use and competent person inspections. User must inspect prior to each use. Competent person other than user must complete formal inspection at least every 12 months. Competent person to inspect and initial.



This inspection log must be specific to one parapet anchor. Separate inspection log must be used for each parapet anchor. All inspection records must be made visible and available to all users at all time.

INSPECTION LOG	
Date of First Use:	
Inspected By:	
Date:	
Details:	
Date:	
Details:	
Date:	
Details:	
Date:	
Details:	