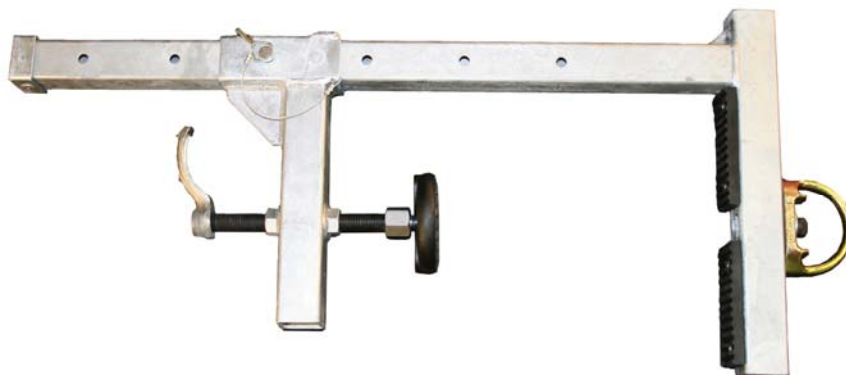


User Instructions – 1789 Parapet Wall Anchor



This manual is intended to meet the Manufacturer Instructions as required by ANSI Z359.1 and should be used as part of an employee training program as required by OSHA.

Instructions for the following product:

ATTENTION: This product serves as part of a fall protection system. All users, must read, understand, and follow the manufacturer's instructions for each and every component of the system. All instructions must be followed for proper application, installation, use, and maintenance of this product. Changing the product, misuse of the product, or failure to follow instructions may result in serious injury or death.

If you have any questions concerning the application, installation, use, or maintenance of this product, please contact FrenchCreek Production.

Description:

The 1789 Parapet Anchor is designed to provide a single worker with a portable, temporary anchorage on parapet walls up to 20" thick. Applications include window washing, construction, emergency/rescue situations, & more. The Parapet Anchor is a clamp design anchor that utilizes an adjustable leg by moving the leg to the desired position and locking it in with a pin. An adjustable rubber foot (for fine adjustment) located on the adjustable leg assists in securing the locked position. A D-ring provides the actual worker attachment point. Rubber pads protect surfaces from marring and damage.

APPLICATIONS

PURPOSE:

The Parapet Anchor is an anchorage connector for a personal fall arrest system, designed to be temporarily installed over a parapet wall.

LIMITATIONS:

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

OPENING SIZES:

The Parapet Anchor can be installed on parapet wall 20 in. in width maximum.

CAPACITY:

This equipment is designed for use by persons with a combined weight (clothing, tools, etc.) of no more than 310 lbs. (141 kg). No more than one personal protective system may be connected to this equipment at one time.

PERSONAL FALL ARREST SYSTEM:

The personal fall arrest system used with this equipment must meet the requirements specified.

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 FALLS:

Swing fall occur when the anchorage point is not directly above or below the point where a fall occurs. The force of striking and object in a swing fall may cause serious injury or death. Minimize swing falls by working as close 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 Parapet Anchor
- Length of connecting subsystem
- Deceleration distance
- Movement of harness attachment element (sliding D-ring)
- Worker height
- Free fall distance

See personal fall arrest system manufacturer's instructions for more information.

WORK ZONE: Do not extend your work zone more than 30 degrees from either side of the anchorage point (FIG. 1). Do not use the Parapet anchor in a way such that it can be loaded at an angle above the level of the anchorage point (FIG. 2). Do not climb above the anchor point.

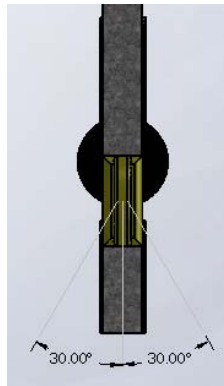


FIGURE: 1

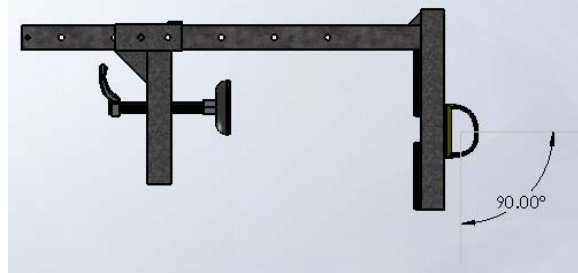


FIGURE: 2

ENVIRONMENTAL HAZARDS:

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. Contact FrenchCreek if you have questions about using this equipment where environmental hazards exist.

GENERAL REQUIREMENTS

- Users shall be provided with all instructions and warnings. These warnings and instructions must be read and understood prior to using the equipment.
- This product is designed for personal fall protection. Never use fall protection equipment for purposes other than which it was designed and intended for.
- This device must only be used by trained personnel.
- Users must reference ANSI Z359.1 and all applicable regulatory standards pertaining to occupational safety.
- All equipment must be visually inspected prior to each use. A more thorough inspection procedure is recommended by a competent individual on a regular basis (6 month intervals recommended).
- A competent person must ensure system compatibility to minimize the potential for accidental disengagement.
- Equipment must not be altered in any way. Repairs or modifications must be performed only by the equipment manufacturer or persons authorized in writing by the manufacturer.
- Any products exhibiting deformities, unusual wear, deterioration, or not passing inspection must be immediately removed from service.
- Any products subjected to fall arresting forces must be removed from service.
- Fall arrest systems must be rigged to limit the free fall distance to 6' or less and ensure that no lower level is struck.
- Fall arrest systems, when stopping a fall, must limit the maximum arresting force to 1800 lbs. or less. Forces experienced during a fall as well as prolonged suspension may cause bodily injury. In order to minimize this risk of injury, the user shall have a rescue plan and the means at hand to implement it when using this equipment.
- Always check for obstructions below the work area to make sure the potential fall path is clear. Remember that shock-absorbers can elongate up to 3 ½'.

- Environmental hazards must be considered when selecting fall protection equipment. Equipment must not be exposed to chemicals which may have a damaging effect. All synthetic materials must be protected from slag, hot sparks, open flames, or other heat sources.
- This product should not be used around moving machinery, electrical hazards, sharp edges, and abrasive surfaces.
- The maximum working load is 310 lbs. unless otherwise labeled.

CONNECTING DEVICES WARNINGS

- Tie off in a manner that will limit the free fall to the shortest possible distance (6' max.) and ensure that a lower level will not be struck should a fall occur. Shock-absorbers can elongate up to 3 ½'. This additional elongation must be considered when choosing a tie-off point.
- Do not use lanyards with non-locking snaphooks or connectors.
- Always visually check to ensure the snaphooks freely engage the d-ring or anchorage point and that its keepers are completely closed and locked and are never load bearing.
- Do not attach multiple lanyards together or tie a lanyard back onto itself unless it is specifically designed for such a connection.
- Do not allow synthetic materials to come in contact with high temperature surfaces, welding, heat sources, electrical hazards, or moving machinery.
- Do not tie knots in lanyards or wrap lanyards around sharp, rough edges, or small diameter structural members. Use a cross arm strap or other compatible anchorage connector.
- Never use a steel cable lanyard for fall arrest unless used in conjunction with a shock-absorber. The use of a shock-absorber for fall arrest applications is strongly recommended regardless of the type of lanyard.
- Never tie off to an object that is not compatible. Make sure that snaphook keepers are never load bearing

ANCHORAGE

- Anchorages must be capable of supporting 5000 lbs. per worker, or be designed, installed and used as part of system which maintains a safety factor of at least 2:1 under the supervision of a qualified person.
- Always work directly under the anchor point to avoid swing fall hazards.
- Make sure the anchor point is at a height that limits the free fall distance to 6' or less and ensures that no lower level is struck.
- The anchor point must be compatible with the connecting device (snaphook or carabiner) and must not be capable of causing a load to be applied to the keepers.
- Never use an anchor point that will not allow the snaphook or carabiner gate to close completely.

SYSTEM REQUIREMENTS

PERSONAL FALL ARREST SYSTEM:

The Parapet Anchor is designed for use with FCP 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 Parapet 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 (1.83 m) 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 is possible, it is necessary to use a personal fall arrest system incorporating an energy absorber designed specifically for this application. FCP manufactures multiple shock absorbing lanyards specifically designed for this application. Contact FCP for product details.

COMPATIBILITY OF COMPONENTS:

FrenchCreek equipment is designed for use with FrenchCreek approved components and subsystems only. Substitutions or replacements made with non-approved components or subsystems may jeopardize compatibility of equipment and may affect the safety and reliability of the complete system.

CONNECTORS/CONNECTIONS:

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.

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. Connectors must be compatible in size, shape, and strength. Self locking snap hooks and carabiners are required by ANSI Z359.1 AND OSHA. Only use connectors that are suitable to each application. Ensure all connections are compatible in size, shape and strength. Do not use equipment that is not compatible. Ensure all connectors are fully closed and locked. Connectors (snap hooks and carabiners) are designed to be used only as specified in each product's user's instructions. Connectors should not be connected:

- A. To a D-ring to which another connector is attached.
- B. In a manner that would result in a 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.

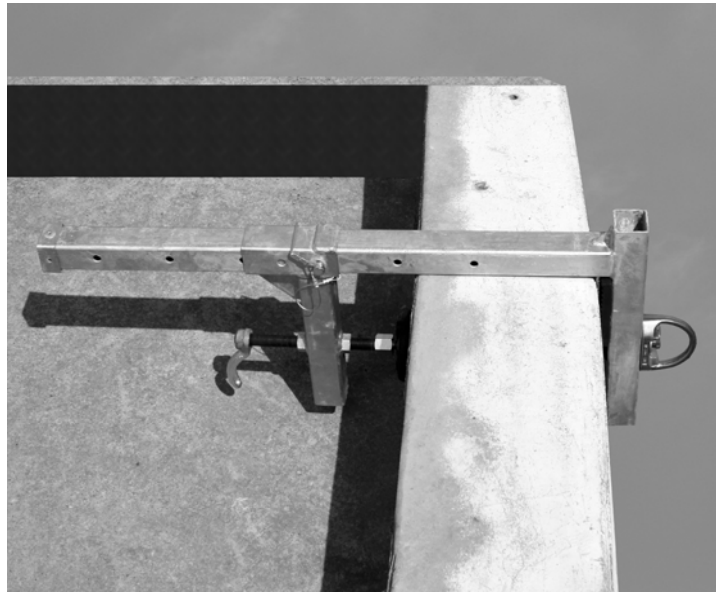
ANCHORAGE STRENGTH:

Per OSHA 1926.500 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 2:1, and is supervised by a qualified person.

INSTALLATION AND USE

WARNING: Do not alter or intentionally misuse this equipment. Consult FrenchCreek Production 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 sharp edges.

WARNING: Consult your doctor if there is reason to doubt your fitness to safely absorb the shock from a fall. Age and fitness seriously affect a worker's ability to withstand fall. Pregnant women or minors should not use this equipment.



BEFORE USE: This equipment must be carefully inspected according to the inspection criteria before each and every use.

INSTALLATION: The Parapet Anchor may be installed in any parapet wall meeting the requirements specified for size and strength. **DO NOT USE ANCHOR IF OPENING IS LARGER OR SMALLER THAN ALLOWABLE.**

WARNING: The D-ring must ALWAYS face the fall hazard.

Step 1. Adjust the Parapet Anchor to fit over the desired parapet wall by removing the pin and sliding the adjustable leg toward the D-ring. Make sure the adjustment pad is adjusted so that it is close to the adjustable leg with some threads showing in-between the foot and the adjustable leg.

Step 2. Place the Parapet Anchor over the parapet wall with the D-ring on the same side as the fall hazard. Do not attempt to install the Parapet Anchor in a position where it is not supported by the parapet wall.

Step 3. Slide the adjustable leg as close to the parapet wall as possible and insert the pin in a corresponding set of adjustment holes. Secure the anchor using the fine adjustment knob by rotating the handle clockwise. Tighten securely to a torque value of 25 ft/lbs.

PERSONAL FALL ARREST SYSTEM: Attach the shock absorbing lanyard to the dorsal D ring only of a full body harness. Make sure harness is donned properly for fit.

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 in the area. Do not allow your connecting subsystem to pass under your arms or between your feet. To avoid inadequate fall clearance, do not climb above or to the side of the Parapet Anchor.

- A. 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.
- B. IN THE EVENT OF A FALL:** The responsible party must have a rescue plan and the ability to implement a rescue.
- C. RESCUE:** A Rescue should be performed in the timeliest manner considering all scenarios possible. Training on a rescue should be performed on a periodic basis.

Training: It is the responsibility of the user to assure they are familiar with these instructions, and are trained in the correct care and use of this equipment. User must also be aware of the operating characteristics, application limits, and the consequences of improper use of this equipment.

INSPECTION

FREQUENCY: The unit should be inspected before each use and periodically by a competent person other than the user. Inspect the Parapet Anchor for cracks, dents, bends, corrosion, or other deformities. Make sure all parts are functioning properly and are not missing. Make sure all adjustment mechanisms are in proper working order. Ensure pin and its locking mechanism work properly. Ensure all labels are present. **If at any time inspection reveals any unsafe conditions, remove from service immediately.**

MAINTENANCE, SERVICING, STORAGE

CLEANING: Periodically clean the Parapet Anchor using water and a mild soap solution. Do not use acids or other caustic chemicals that could damage the system components. Store anchor in an environment that will not cause damage to or deterioration of unit.

SPECIFICATIONS

MATERIALS:

All materials used in the construction of this equipment are as follows:

Galvanized Steel Tubing

Zinc-Plated alloy hardware

Zinc-Plated alloy steel D-ring

No tools needed for installation

DIMENSIONS AND WEIGHT

Wall Size: Adjustable to fit parapet wall 20" in width Max

WEIGHT: 15 lbs.

