FALLTECH
Fall Protection, Precision Engineered.

Concrete Embed Anchor Strap

USER'S INSTRUCTION MANUAL

PLEASE NOTE: This manual meets the "Manufacturer's Instructions" requirements of ANSI A10.32-2004 and ANSI Z359.1-2007. It should be read completely and used as part of the User's Training Program as required by OSHA (1910.66, Appendix C).

Warning!

This is a design-compatible component of a comprehensive *FallTech* Personal Fall Arrest System. As a USER, YOU MUST READ AND FOLLOW THE MANUFACTURER'S INSTRUCTIONS, LABELS AND WARNINGS for each component part of the complete system before using it.
If you do not understand the Instructions, Labels and Warnings for the use and maintenance of this component, have them explained to you.
ANY MISUSE OF THIS COMPONENT, ANY ALTERATION OR MODIFI· CATION OF IT, OR FAILURE TO PROPERLY FOLLOW THESE USER'S INSTRUCTIONS MAY RESULT IN SERIOUS INJURY OR DEATH.
ATENCION: TODOS LAS PERSONAS QUE USEN ESTE EQUIPO DEBERAN LEER Y COMPRENDER O TENER A ALUIEN QUE LES EXPLIQUE LAS SIGUENTES INSTRUCCIONES ANTES USARLO. EN CASO CONTRARIO SE PODRIAN PRODUCIAR LESIONES GRAVES O MORTALES.

Section 1 - Product Description

FallTech Concrete Embed Anchor Straps **(fig 1)** exceed the standards established in OSHA 1926.502 - 503 for anchorage connections. They are designed to be part of a comprehensive Personal Fall Arrest (or Restraint) System - PFAS or PRS, respectively
FallTech Concrete Embed Anchor Straps are a designed to be used as a temporary anchorage connector for a PFAS or PRS. It is designed for single use **ONLY**. Re-use may result in serious injury or death.
The Concrete Embed Anchor Strap must **NOT** be used to lift, hang or support equipment. When used as a component of a PFAS, user **MUST**use a Full Body Harness and a Shock Absorbing Lanyard/Self Retracting Lifeline that limits free fall to a maximum of 6 feet.
When used as a component of a PRS, user **MUST** use either a Full Body Harness or Work Positioning Belt and a Positioning Lanyard.

Section 2 - OSHA / ANSI Requirements

FallTech Concrete Embed Anchor Straps comply with or exceed all applicable OSHA standards for anchorage connections. For complete details, visit www.osha.gov and enter the relevant standard in the search box (1926.500 - 503). FallTech Concrete Embed Anchor Straps are also compliant with the standards established in ANSI Z359.1-2007 as well as A10.32-2004. Consult with an authorized distributor or qualified or competent person for further details on compliance.

Section 3 - Important Do's and Don't's

►DO◄

Do use this component only with other system compatible components of a comprehensive PFAS or PRS such as those available from *FallTech.*
Do use this component only in a system which limits free falls to 6 feet or less.
Do use extreme caution when rigging this system.
Do rig this system to avoid the hazards of swing falls and with an appropriate clear fall distance.
Do provide a means of rescue and evacuation for workers should a fall occur.

►DON'T◄

Don't us this component or system to hoist materials.
Don't use this component if it shows signs of corrosion or exposure to chemicals, excessive heat, flames or if there is evidence of cracking, breaking or deformation.
Don't use this equipment if you are working near high voltage power lines or other energized electrical equipment.
Don't use this equipment if you are pregnant, a minor, or have reduced tolerances to fall forces by reason of age, physical condition or other pre-existing disorders.
Don't use near moving machinery which may entangle any component of the system.
Don't subject system components to sharp edges or abrasive surfaces.
Don't use system if your total combined weight (body, clothing, tools, etc.) exceeds 310 lbs.
Don't use this system if there are any signs of excessive wear or structural deterioration.
Don't knot components of this system. Knotting reduces component strength by 50%.
DON'T USE THIS SYSTEM IF IT HAS BEEN USED TO ARREST A FALL.
IF IT HAS BEEN USED TO ARREST A FALL, IT MUST BE REMOVED FROM SERVICE AND IMMEDIATELY DESTROYED.

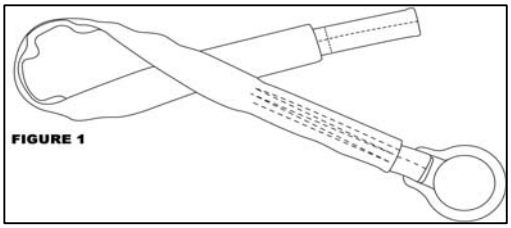


FIGURE 1

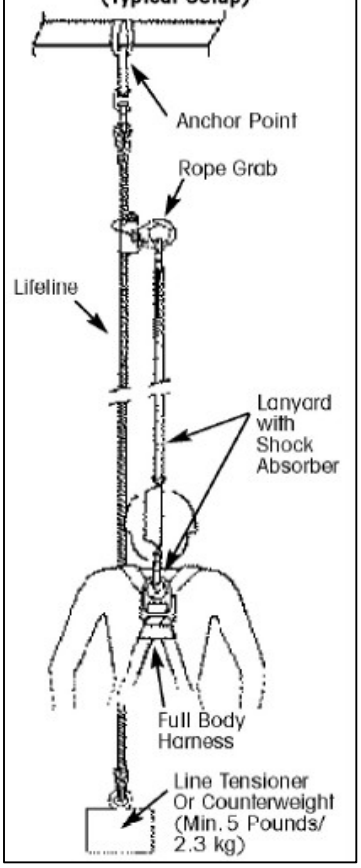
Section 4 - Employer & User Training Responsibilities

OSHA REQUIRES that an **EMPLOYER** provide a training program for each employee who may be exposed to fall hazards. The program shall teach each employee to recognize the hazards of falling, and train each employee in the procedures to be followed to minimize fall hazards. Prior to work requiring a Personal Fall Arrest System (PFAS) (fig. 2), Personal Restraint System (PRS), the **USER** shall be trained by a **Competent Person** to properly inspect, use, store and maintain this equipment according to the requirements of ANSI Z359.1-2007 and the manufactur's instructions.

As a part of the training process, the user of this Anchor must:
1. Become familiar with ALL instructions printed in this manual.
2. Be trained in the correct use of this component.
3. Be aware of its correct application and its limitations.
4. Know and understand the consequences of improper use of this component.

NOTE: Your Concrete Embed Anchor Strap must be used in conjunction with a Full Body Harness and Shock Absorbing Lanyard/Self Retracting Lifeline when used as a component of a PFAS. When used as a component of a PRS, the Concrete Embed Anchor Strap must be used with a Full Body Harness or Work Positioning Belt and a Positioning Lanyard. You must select a properly rated anchor point. If you are unsure of the suitability of your anchor point, consult your supervisor or other Competent Person Immediately.

FIG. 2 FALLTECH™ PERSONAL FALL ARREST SYSTEM (Typical Setup)



Section 5 - The Fall Protection Plan

As an **EMPLOYER**, you must be aware of the factors which affect the safety of workers before, during and after a fall. Having a written Fall Protection Plan before work begins is the best way to ensure the ultimate safety and well-being of your employees. Refer to OSHA 1926.503 Subpart M, Appendix E for complete details and sample Fall Protection Plan. Also see ANSI Z359.0-2006.

Your Fall Protection Plan must include:
1. Proper Anchorage: A PROPERLY SELECTED ANCHORAGE POINT IS CRITICAL TO THE SUCCESS OF A PERSONAL FALL ARREST SYSTEM (PFAS). OSHA 1910.66 APPENDIX C REQUIRES THAT AN ANCHORAGE POINT (structural beam or member) MUST SUPPORT A STATIC LOAD OF 5,000 POUNDS - PER PERSON ATTACHED TO THE ANCHORAGE POINT. The anchorage point must be selected to reduce fall hazards and to avoid worker contact with objects in the fall path **(fig. 3B, page 2)**.
2. Minimizing of swing falls: Anchorage point must be directly above user **(fig. 3A, page 2).**
3. Limit free fall to 6 feet or less: Users of Personal Fall Protection Systems must not work above the anchorage point **(fig. 3B, page 2)**. The connecting subsystem of one worker (lifeline, lanyard, etc.) must not cross or tangle with that of another worker. Connecting subsystems must ***never*** be knotted or tied to each other.
4. Fall Path Clearance Check: The amount of clearance needed is based on the type and length of the connecting subsystem used and the location of the anchorage **(fig. 3B, page 2)** Total fall distance is the maximum free fall distance, 6 feet, plus the distance the lanyard shock absorber elongates (max. 3.5 feet). Total fall distance may not exceed 9.5 feet. Recommended Clear Fall Distance is 17.5 feet.
5. Avoidance of sharp edges and other hazards: You must protect workers by padding and sheathing unprotected sharp edges while work is being done. All workplace hazards must be eliminated, controlled or considered before any work takes place.

Section 6 - Visual Inspection Before Each Use

To make sure that this *FallTech* Anchor will perform properly as part of a PFAS or PRS, it is important that you visually inspect it BEFORE USE.

What to look for when visually inspecting Anchor Strap:

1. Look to see that the steel D-ring is not broken, damaged or distorted in shape. There should be no corrosion, cracks, worn parts or sharp edges.

2. Look to see that the webbing portion of the Concrete Embed Anchor Strap has no broken fibers or fraying. Look for abrasion, tearing, burns, mold, discoloration or cuts. Also look for torn or loose stitching.

2. Look to see that each of the other *FallTech* PFAS or PRS components (harnesses, rope grabs, lifelines, tie-offs, etc.) are ready for use by visually inspecting each part according to the instructions provided with that product.

4. For proper comatibility of the anchorage end snap hook, the D-ring, O-ring or connection component of the anchorage connector should have an inside diameter of at least 2-1/2 times the gate opening on the snap hook.

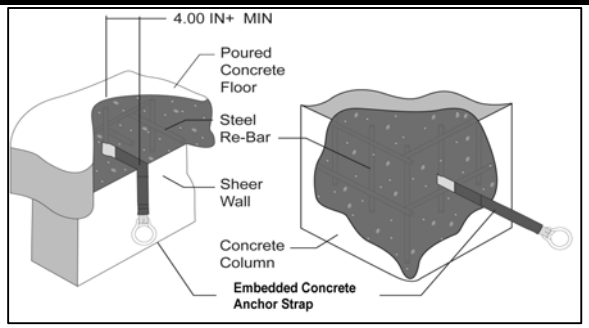
3. Record the results of your inspections in the log in section 11 of this manual and on *the inspection* grid on the serial # label of your *FallTech* Concrete Embed Anchor.

Warning!

If this anchor is damaged, or has been subjected to fall arrest (or equivalent) **forces, it must be removed from service immediately and destroyed.**

NOTE: Harsh environments and weather, prolonged use, and other extreme working conditions may require you to have this anchor inspected by a competent person other than yourself at least twice a year.

Section 7 - How to Use Concrete Embed Anchor Strap



This anchor is part of a comprehensive PFAS or PRS. It must be used in conjunction with a Full Body Harness with back D-ring and a Shock Absorbing Lanyard/Self-Retracting Lifeline that limits freefall to 6 feet or less. When used as a component of a PRS, it must be used with a Full Body Harness or Work Positioning Belt and a Positioning Lanyard.

1. Select a location for the Concrete Embed Anchor Strap that provides the best safety to the user. If in doubt, contact a qualified or competent person for further information.
2. After a section of shear wall or concrete column has been poured and allowed to cure, place the looped end of the anchor onto a vertical piece of steel rebar **(see above)**.
3. Once anchor(s) are in place, continue pouring of concrete, allowing concrete to fully cure.*
4. After removing forms, anchors will remain on the face of the column or in between the seems of shear walls.

REINFORCED CONCRETE FLOOR SLAB - A 3' length of rebar may be passed through the loop end of an anchor strap and wire tied to remain in place tight to the underside of the upper mat of rebar providing 3.5" clearance. Concrete may then be poured; anchor strap becomes cast in place for use after curing as a fall protection tie-off point.

Warning!

*DO NOT USE THIS ANCHOR UNTIL CONCRETE IS ALLOWED TO CURE. FAILURE TO ALLOW CONCRETE TO CURE PROPERLY COULD RESULT IN SERIOUS INJURY OR DEATH.

Section 8 - How to Remove Concrete Embed Anchor Strap

After all potential fall hazards have been removed from the work area, the anchor must be removed from service. Remove anchor using scissors or a utility knife, cutting anchor off at the concrete seam.

DO NOT REUSE CONCRETE EMBED ANCHOR STRAP. AFTER REMOVAL FROM WORK AREA, DISPOSE OF ANCHOR STRAP.

Section 9 - Proper Connection

For connection to the Concrete Embed Anchor Strap, use a self-locking snap hook or double-locking carabiner ONLY. Make sure connections are fully closed. If utilizing a shock absorbing lanyard, connect shock absorbing component to full body harness. If using a self retracting lifeline, connect double-locking snap hook or carabiner to full body harness. Make sure flow of cable/web is unhindered. NEVER connect more than one PFAS or PRS to a single anchor.

Section 10 - Product Specifications

Hardware: Plated alloy steel, 5000lbs minimum breaking strength
Webbing: Polyester with a minimum breaking strength 9800lbs
Wear Pad: Polyester webbing used for wear resistance only
Capacity: 425lbs - one person, including clothes, tools, etc
Meets OSHA 1926.500 and ANSI Z359.1 requirements

Section 11 - On Product Labels and Warnings

FALLTECH
Ph: 800-719-4619
Fax: 323-752-5613

Concrete Embed Anchor Strap
Capacity: 310 lbs
Material: Polyester
Meets: OSHA 1926.502 and ANSI Z359.1-1992
MADE IN THE UNITED STATES
FT54 ALX

MANUFACTURER'S INSTRUCTIONS, LABELS AND WARNINGS SUPPLIED WITH THIS PRODUCT AT TIME OF SHIPMENT MUST BE READ AND FOLLOWED BEFORE USING. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH. THIS ANCHOR STRAP IS INTENDED TO CONNECT A PERSONAL FALL ARREST SYSTEM TO AN ANCHORAGE. DO NOT USE IF HARDWARE IS DAMAGED, BROKEN, CRACKED, OR CORRODED. IF WEBBING MATERIAL IS FRAYED, TORN, BURNED, OR IF STITCHING IS PULLED, CUT OR BROKEN, REMOVE FROM SERVICE. CONNECTING SNAP HOOK MUST BE COMPATIBLE IN SIZE, SHAPE AND STRENGTH. EQUIPMENT MODIFICATION VOIDS WARRANTY.

MODEL NO:

SIZE:

MFD (YR/MO):

INSPECTION GRID

User must inspect as per instruction manual before use.
Mark or punch on date grid:
1) Initial service date
IF UNIT FAILS INSPECTION, REMOVE FROM SERVICE AND DESTROY

	J	F	M	A	M	J	J	A	S	O	N	D
06												
07												
08												
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10												
11												

FIG.3A

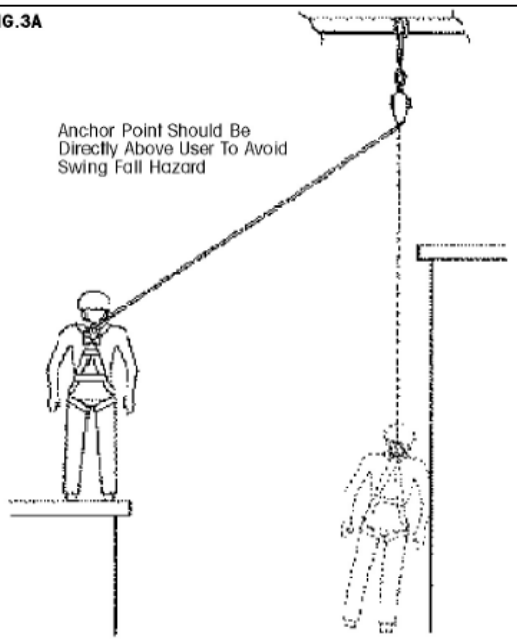

FIG.3B