



FALLTECH FALL PROTECTION ANCHOR BRACKETS
MODEL 7432, Dual Truss/ Ridge Line Roof Anchor Bracket

WARNING! YOU MUST READ AND FULLY UNDERSTAND OR HAVE THESE INSTRUCTIONS EXPLAINED TO YOU BEFORE USING THIS EQUIPMENT. FAILURE TO OBSERVE THE LIMITATIONS, CAUTIONS AND WARNINGS IN THESE INSTRUCTIONS COULD RESULT IN SEVERE PERSONAL INJURY.

Equipment users must be fully trained in and conversant with all regulatory requirements applicable to the workplace in which the fall protection equipment is to be used. If in doubt, contact your local OSHA office for clarification. These instructions are not a substitute for a formal Fall Protection Training Program. Such training should include information about local circumstances, rules and regulations applicable to the work situation, a hands on opportunity to learn how to attach equipment properly, instructions about adequate anchor points and the proper techniques for securing and connecting lanyards, drop lines or lifelines, and guidance and demonstration on how to inspect and maintain the equipment.

SYSTEM REQUIREMENTS: Your FALLTECH Dual Truss / Ridge Line Roof Anchor Brackets are constructed to meet the OSHA/ANSI performance requirements of “anchorage connectors” for personal fall arrest and restraint systems. In accordance with these specifications, the FALLTECH Model 7432 anchorage connectors are capable of sustaining a static tensile load of 6500 lbs and 3000 lbs respectively. There-of, these brackets are suitable anchorage for vertical and horizontal fall arrest systems at 6500 lbs and fall restraint/positioning systems at 3000 lbs when installed and used properly.

NOTE: These brackets are intended to be used as part of a complete personal fall protection system. All components, subsystems and connectors should be compatible and meet the appropriate OSHA/ANSI requirements for the intended application. Substandard or non-approved components could compromise the reliability of the system and jeopardize the safety of the user.

BEFORE EACH USE: Assess the workplace for hazards such as heat, flames, chemical, electrical, environmental, sharp objects, moving equipment, unstable/uneven or slippery surfaces. Identify the potential hazards and plan the installation to avoid dangerous paths, obstructions and zones. Have an emergency rescue/contingency plan in place in the event that an accident may occur.

Warning: *Ensure that the anchors are properly installed based upon the application and roofing substrate on site. Ensure that all hardware on the center rod of each anchor is properly tightened and that the end-nuts on each end of the center rod are tightened and fully engaged. Failure to do so may result in serious injury or death.*

USE CONSIDERATIONS:

- A) Determine your maximum arrest force requirements.
- B) Select anchorage attachment points that are capable of supporting the required loads.
- C) Anchorage points should always be above the user to minimize the fall potential of the user.
- D) Fall clearances should be considered to avoid contacting any lower objects or hazards.
- E) Swing falls should be avoided by working below the anchor bracket with vertical lifeline attachments.
- F) Leading edges should be marked and/or protected to avoid falls whenever possible.
- G) Components that experience a fall or severe shock load should be removed from service and replaced.

ASSEMBLY INSTRUCTIONS: The Model 7432 Dual Truss / Ridge Line Anchor Bracket comes assembled. FallTech does not recommend disassembling the unit; however should the need arise, please follow the assembly procedure below:

1. Compare hardware to parts list (see back of manual for parts list). Make sure all parts listed are present. Hand-tighten hardware only for now, leaving final tensioning for the end of assembly process
2. Begin assembly by laying two Roof Plates end to end with 3/4" x 1-3/8" Bushing between Roof Plates (See fig 1)
3. Slide 5/8" x 30" All Thread Rod into Roof Plates and Bushing, paying special attention to placement of 5/8" Hex Nuts and 1/2" Eye Nut. Place 5/8" Lock Washer between outer Hex Nut and Eye Nut (See fig 2)
4. Slide 3/4" x 21" Bushing onto All Thread Rod
5. Repeat steps #2 and #3, excluding Eye Nut, for other end of Anchor, being sure to place 5/8" Lock Washer between outer Hex Nut and Roof Plate (See fig 3)
6. Tension nuts completely



Fig 1



Fig 2



Fig 3

INSTALLATION: The Model 7432 Dual Truss / Ridge Line Roof Anchor Bracket can be installed on a variety of roof sub straights. This bracket should be employed in pairs, mounted at opposing ends of the ridgeline, in support of the *FallTech Checkline 4-User Temporary HLL System*.

- A) If in doubt about the condition of the roof deck, use two each of the u-bolt connections on each bracket wing around the roof truss/ joist. This will provide the most secure means of attaching the Model 7432 to the roof. Installation is accomplished by simply positioning the anchor brackets over the intended trusses, drilling clearance holes for the $\text{Ø}3/8$ u-bolts and securing the bracket to the roof, the roof (See Fig 4 and 5). Torque nuts down to a minimum of 30 ft·lbs force.



Fig 4



Fig 5

- B) If the roof deck is new 1/2" OSB chipboard, center roof anchor bracket over adjoining trusses (24" on-center). Fasten down with (6) each Ø5/16 lag bolts in the center row of holes of each bracket wing, (24) total per anchor. Be sure that center row is attached to the joist. Torque down to approximately 20 ft-lbs. Do not over tighten and/or strip out the threads in OSB.
- C) If the roof deck is new 5/8" CDX plywood, we recommend fastening as described in paragraph B above. Alternatively, you may fasten the brackets directly to the plywood substrate without engaging the trusses by using (12) each Ø5/16 lag bolts in the outer rows of holes on each bracket wing (48) total per anchor. Again torque the (48) Ø5/16 lag bolts down to 20 ft-lbs torque. Do not over tighten and/or strip out the threads in the plywood.

LIFE LINE ATTACHMENTS:

Vertical lifelines: *FallTech* Vertical Lifelines can be connected to the 7432. One vertical life line is allowed for each #7432 roof anchor, to accommodate a single user while ascending to and descending from the rooftop. *FallTech* strongly recommends attaching vertical lifeline using a fall arrest rated Carabiner with captive eye pin (*FallTech* model #7450). For best compatibility, ensure the carabiner is mounted with the carabiner gate facing up (see fig 6). This attachment should be made to the bushing between the anchor wings adjacent to the eye-nut. (See fig 6)



Fig 6

Horizontal lifelines: This anchor system was specifically designed for use with *FallTech's Checkline 4-User Temporary HLL System*. **Do not attempt, under any circumstances, to use any other Horizontal Lifeline System with these anchorages.** Your *FallTech Checkline 4-User HLL* must be rigged using a pair of 7432 Dual Truss Roof Anchors mounted at opposing ends of the ridgeline. **Two (2) 7432 Roof Anchors must be used for this application, with eye nuts on roof anchors facing each other from opposing ends of the ridgeline.** Refer to your instruction manual from your 777030, 777050 or 777075 HLL system for installation instructions. Based upon tests, (4) users can safely use the horizontal lifeline attachment per installation.

WARNING: All users of fall protection equipment must be in good physical health, must not have a medical history of conditions that could be aggravated by a fall, must be mentally fit and must not be under the influence of alcohol or drugs. Inattention to these factors could cause falls, serious injury or death!

WARNING: Any component which has arrested a fall must be immediately removed from service and destroyed.

WARNING: Do not attempt to repair damaged equipment. Remove from service immediately.

WARNING: Discard and replace equipment if there is any evidence of excessive wear, damage or malfunction.

WARNING: Always follow manufacturer's instructions when attaching Horizontal or Vertical Lifelines

PARTS LIST: Make sure all parts listed below are present. If missing, immediately contact FallTech for replacement instructions.

- 3/8" U-bolts – Qty 8 pcs
- 1/2" Eye Nut – Qty 1 pc
- 5/8" Hex Nuts – Qty 5 pcs
- 5/8" Lock Washer – Qty 2 pcs
- 3/8" Hex Nuts – Qty 16 pcs
- 3/4" x 1-3/8" Bushing – Qty 2 pcs
- 3/4" x 21" Bushing – Qty 1 pc
- 5/8" x 30" All Thread – Qty 1 pc
- 5/16" x 1-3/8" Lag Bolts – Qty 72
- Roof Anchor Plates – Qty 4 pcs

Inspection Log:

MODEL NO: _____
PURCHASE DATE: _____
INSPECTED BY: _____
DATE: _____
PROBLEMS, DEFECTS NOTED (IF ANY): _____

MODEL NO: _____
PURCHASE DATE: _____
INSPECTED BY: _____
DATE: _____
PROBLEMS, DEFECTS NOTED (IF ANY): _____

MODEL NO: _____
PURCHASE DATE: _____
INSPECTED BY: _____
DATE: _____
PROBLEMS, DEFECTS NOTED (IF ANY): _____

MODEL NO: _____
PURCHASE DATE: _____
INSPECTED BY: _____
DATE: _____
PROBLEMS, DEFECTS NOTED (IF ANY): _____

MODEL NO: _____
PURCHASE DATE: _____
INSPECTED BY: _____
DATE: _____
PROBLEMS, DEFECTS NOTED (IF ANY): _____

MODEL NO: _____
PURCHASE DATE: _____
INSPECTED BY: _____
DATE: _____
PROBLEMS, DEFECTS NOTED (IF ANY): _____

MODEL NO: _____
PURCHASE DATE: _____
INSPECTED BY: _____
DATE: _____
PROBLEMS, DEFECTS NOTED (IF ANY): _____

MODEL NO: _____
PURCHASE DATE: _____
INSPECTED BY: _____
DATE: _____
PROBLEMS, DEFECTS NOTED (IF ANY): _____