



BUCKINGHAM MFG.

BUCKINGHAM ROOF TOP ANCHOR

PN 3114

COMPONENTS:

- Full Body Harness – (P/N U64A23H6E00)
- Energy Absorber (P/N 5+5+7000H3)
Attached to Rope Positioner – RP110
(Compatible with 5/8” Rope Only)
- 50’ of Multiline 5/8” Rope
- Roof Top Anchor
- Nails
- Carry Bag (P/N 45400)

Applications

PURPOSE: The *3114 Roof Top Anchor* is designed to be used as a temporarily installed (not for permanent installation) anchorage connector on wood frame structures. As such, do not attach a lifeline between two or more roof anchors (i.e. horizontal lifeline system), and do not hang, lift, or support tools or equipment from the attached anchor. Do not attach guylines for antennas, phone lines, etc. to installed roof anchors.

FALL ARREST APPLICATION: For this application, the *3114 Roof Top Anchor* is to be used as part of a complete fall arrest system. This system includes a full body harness, rope lifeline, and rope grab with attached energy absorbing lanyard. Maximum permissible free fall is 6 feet.

Limitations

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

- ROOF STRUCTURE:** The *3114 Roof Top Anchor* is intended to be installed on wood frame roof structures.
- CAPACITY:** The *3114 Roof Top Anchor* is designed for use by persons with a combined weight (person, clothing, tools, etc.) of no more than 310 lbs. Only one personal fall arrest system may be connected to the *3114 Roof Top Anchor* at one time.
- FREE FALL:** Personal fall arrest systems used with the *3114 Roof Top Anchor* must be rigged in such a way as to limit the free fall to a maximum distance of six (6) feet {Ref. OSHA 1926.502 (d)(16)(iii)}.

- D. **FALL CLEARANCE:** Make certain that enough clearance exists in your fall path to prevent striking an object.
- E. **TRAINING:** This equipment is intended to be installed and used by persons who have been properly trained in its correct application and use.

Inspection

IMPORTANT: If this equipment has been subjected to forces resulting from the arrest of a fall, it must be immediately removed from service and destroyed.

FREQUENCY: Before use, as a minimum, visually inspect the anchor per the following steps:

- Step 1:** Inspect the roof anchor device for physical damage. Look carefully for any signs of cracks, dents, or deformities in the metal.
- Step 2:** Inspect the roof anchor for signs of corrosion.
- Step 3:** Ensure that the condition of the roof will support the roof anchor loads. As an example: An anchor connected to rotted or deteriorated wood must not be used.
- Step 4:** Ensure that the roof anchor is securely attached at all times. If loose, do not use.
- Step 5:** Inspect each system component or subsystem.

Use and Operation

BEFORE INSTALLATION of this equipment, carefully inspect it to ensure that it is in good working condition.

PLAN your fall arrest or restraint system before starting your work.

FULL BODY HARNESS / ENERGY ABSORBER UNIT / ROPE GRAB: Properly don in accordance with the additional Instructions / Warnings packaged with this product, and applicable ANSI Z359 standards and OSHA regulations.

ANCHORAGE: Select an anchorage point that is rigid and capable of supporting the required loads and in the proper location. If unsure that anchorage point is capable of supporting the required loads have verified by a qualified person before use.

FREE FALL: Personal fall arrest systems must be rigged to limit any free fall to a maximum of 6 feet (OSHA 1926.502 (d)(16)(iii)). Restraint systems must be rigged so that NO free fall is possible. Avoid working above your anchorage level as increased free fall distance will result.

RESTRAINT SYSTEMS: As a minimum, restraint systems must meet applicable state and federal (OSHA) requirements. The *3114 Roof Top Anchor* is designed to be used as a restraint system or for fall arrest.

FALL CLEARANCE: Should a fall occur, there must be sufficient clearance in the fall area to arrest the fall before striking the ground or other object(s).

SWING FALLS: Swing falls occur when the anchor location is not directly above the point where a fall occurs. The force of striking an object while swinging can be great and may cause serious injury. Swing falls can be minimized by working as directly below the anchorage as possible (the worker must be positioned within 30 degrees of the roof anchor).

SHARP EDGES: Avoid working where the connecting subsystem (i.e. energy absorbing lanyard, full body harness, etc.) or other system components will be in contact with, or abrade against unprotected sharp edges.

INSTALLATION REQUIREMENTS:

ROOF ANCHOR SITE PLAN:

- The roof anchor should be located at the roof peak (when possible) and at least 6 feet from any exposed edge. On very small roof areas, locate the anchor as far from the roof edge as possible.
- Do not install roof anchors on unsupported roof structures such as eave or gable overhangs.
- Do not install roof anchors on fascia boards.
- Roof anchors should be installed at 8 foot spacing along the roof peak.
- Hip roofs required a roof anchor on each hip face.

REMOVAL OF ROOF ANCHOR: Remove the *3114 Roof Top Anchor* prior to shingling the area with the anchor. To remove it pry off the roof anchor from the roof and discard it.

CONNECTING TO ROOF ANCHOR: Connection to the installed roof anchor must be made using ANSI Z359.12 hardware ONLY.

MAKING CONNECTIONS: When making a connection, visually ensure proper connection has been made to eliminate the potential for accidental disengagement (rollout).

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