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USER INSTRUCTIONS FOR YOKE RE-USEABLE , HINGED ROOF ANCHORS

This manual is intended to meet industry standards including OSHA, ANSI, CSA, and should be used as part of an employee training program as required by OSHA.

DESCRIPTION

- Yoke Hinged Roof Anchor is comprised of a forged D-ring attached to two steel base plates. When used, the base is nailed or screwed to the roof structure per these instructions. The D-ring is used for connection of the fall arrest system. These instructions cover the following models: N-5072, N-5072R, N-5072F (for flat roofs), N-485
- It is recommended that a minimum of twenty (20) new 16d nails OR twenty (20) new #8 2-1⁄2" (63.5mm) or longer screws be used each time the anchor is installed. Roof anchor must be inspected before each installation.

WARNING: This Roof Anchor is part of a fall arrest system. The user must read and understand these instructions as well as the instructions for each component of the complete system **BEFORE** using this or any fall protection component. These instructions **MUST** be provided to the user of this Roof Anchor. Alterations or misuse of this product or failure to follow instructions, may result in serious injury or death.

Warnings and Limitations

These instructions as well as all applicable warnings must be provided to the user and authorized persons/users. These authorized persons/users must reference the regulations governing occupational safety, as well as applicable ANSI or CSA standards.

Product labeling concerning specific OSHA, ANSI and/or CSA regulations MUST be present and provided by the wholesaler/distributor of this Roof Anchor. Yoke Taiwan and Yoke-Niagara are not responsible for providing these product labels.

LIMITATIONS AND PRIOR TO USE PLANNING

Prior to use, ensure that care is taken to remove any obstructions, debris, material, or other recognized hazards from the work area that could cause injuries or interfere with the operation of this Roof Anchor and its attached system. Be sure to check for obstructions below the work area and ensure that the potential fall path is clear of any obstructions. Allow adequate fall clearance below the work surface.

A competent person must ensure system compatibility between this Roof Anchor and attached fall protection/arrest systems. This Roof Anchor and all associated equipment MUST be inspected before each use according to the manufacturer's instructions. Additionally, equipment must be inspected by a competent person, other than the user, on a regular basis, at least annually. If this Roof Anchor or any associated product exhibits deformities, unusual wear, deterioration, OR is subject to a fall, the product(s) MUST be immediately removed from service and destroyed.

Before use a rescue plan must be in place and the user of this Roof Anchor must have a means readily at hand to implement the rescue plan.

This Roof Anchor must not be altered in any way–do not lubricate or attempt to repair this Roof Anchor.

Never use this Roof Anchor or any fall protection equipment for purposes other than those for which it was designed. It should NEVER be used for hoisting or material handling.

Environmental hazards must be taken into consideration when considering this Roof Anchor and associated equipment for use. Equipment must not be exposed to environmental hazards and chemicals which may produce a harmful effect. If this Roof Anchor is used in a corrosive or caustic environment, a more frequent inspection and servicing program must be implemented.

Do not allow this Roof Anchor or associated equipment to come in contact with anything that will damage it including, but not limited to, sharp, abrasive, rough or high temperature surfaces, heat sources, electrical hazards, or moving machinery. Do not expose this Roof Anchor or associated equipment to any hazard which it is not designed to withstand. If in doubt, contact Yoke Industrial Corporation. Do not remove product labels which the distributor of this Roof Anchor has applied. These labels contain important warnings and information for the user

INSPECTION, INSTALLATION AND USE

The Yoke Re-useable Roof Anchor is designed for temporary installation and is not designed for permanent installation. Do not attach a lifeline between two or more Roof Anchors.

INSPECTION

Before installation of this Roof Anchor, it must be inspected daily by the user to ensure that it is in usable condition. Check for missing or damaged parts and ensure that the Roof Anchor components are flat and free from tears, corrosion, cracks, warpage or any other damage. Inspect rivets / welds on the Roof Anchor to ensure that they are secured tightly and do not have cracks or other signs of wear. Do not use if any component does not operate properly or appears to be damaged in any way. Check that installation nails (16d nails) or screws (12 x ¼-14 Teks screws) – NOT PROVIDED BY YOKE INDUSTRIAL – are present and are UNUSED. Yoke Roof Anchor is designed to be reusable, however NEW nails or screws MUST be used during each use.

IF THIS ROOF ANCHOR OR ANY ASSOCIATED PFAS COMPONENTS HAVE BEEN SUBJECT TO FORCES GENERATED DURING A FALL ARREST SITUATION, THEY MUST BE IMMEDIATELY REMOVED FROM SERVICE AND DESTROYED.

This Roof Anchor must be inspected by a competent person – other than the user – at least annually and the results of this inspection be recorded in the inspection log at the end of these instructions. (CAL/OSHA requires more frequent inspection – refer to applicable state requirements).

If inspection reveals a defective condition, the Roof Anchor must be removed from service and destroyed. Repairs cannot be made to this Roof Anchor

Only trained and competent personnel should inspect, install and use this equipment.

CONSIDERATIONS

The following must be taken into consideration before using this Roof Anchor

- ROOF STRUCTURE: This Roof Anchor is designed to be installed on wood framed structures having a minimum tensile strength of 5000 lbs. If more than one Roof Anchor or other anchorage is being installed on a roof structure, EACH anchorage point must independently meet 5000 lbs strength requirement. Do not use on unstable surfaces or surfaces that have fine grain materials.
- CAPACITY: This Roof Anchor is designed for use by ONE person with a combined weight (person, clothing, tools, etc.) of no more than 310 lbs. Only one personal protective system may be connected to this Roof Anchor at any time.
- ATTACHED PERSONAL FALL ARREST SYSTEM (PFAS) : PFASs selected for use with this roof anchor must meet applicable OSHA, ANSI, CSA, state, provincial and federal requirements. Do not use this Roof Anchor and attached PFAS if you are unable to tolerate forces from a potential fall arrest situation. Age as well as fitness can have an impact on the user's ability to withstand a fall. Be sure to consult with your physician before using this or any PFAS. Pregnant

women and minors must not use this Roof Anchor and associated PFAS.

- FREE FALL: PFASs used with this Roof Anchor must be used in a manner that limits the free fall to a maximum allowable as per OSHA, ANSI, CSA requirements. Ensure that all obstacles are removed in the area of potential fall – ensure to include area in case of a swing fall. The amount of clearance needed is dependent upon the type of connecting subsystem used (energy absorbing lanyard, self retracting lifeline, etc.), and the anchorage location. Refer to instructions of the connecting subsystem or component for more information on fall clearance. If a fall were to occur, there must be sufficient clearance in the potential fall area to ensure that the user does not strike objects or the ground. The required clearance is a function of the type of PFAS and connecting subsystems used. Refer to the PFAS and connecting subsystem instructions for information concerning minimum fall clearance.
- SWING FALLS: A swing fall occurs when the Roof Anchor is not directly above the user at the point when fall occurs. If a swing fall occurs, the forces generated if an object were to be hit by a user can cause serious injury. In order to minimize swing falls, ensure that the user is working directly below the Roof Anchor attachment point.
- CORROSION AND CHEMICAL HAZARDS, SHARP EDGES: If this Roof Anchor is used near sea water or other corrosive environments, or is exposed to caustic chemical solutions, it will require more frequent inspections due to potential accelerated corrosion / damage. Avoid using the Roof Anchor or associated PFAS components in environments where they may come into contact with sharp edges.
- ELECTRICAL HAZARDS: Do not install roof anchors where they or the user may come into contact with electrical power lines.
- TRAINING: This Roof Anchor can only be inspected, installed and used by persons who have been properly trained on its correct application.

COMPATIBILITY:

Connectors used with this Roof Anchor considered to be compatible 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 used with this Roof Anchor (i.e. hooks, carabiners) must be capable of supporting at least 5,000 lbs. (22.2kN), meet ANSI Z359.12 / CSA Z259.12, and these connectors must be compatible with this Roof Anchor and any other system components used. Do not use equipment that does not meet this compatibility requirement.

INSTALLATION

Before use of this Roof Anchor, a plan must be developed taking into consideration where the Roof Anchor(s) will be installed, as well as at what point during the construction process they may be used.

- This Roof Anchor should be located at the roof peak and at least 6 feet from any exposed roof edge. Do not install roof anchors on unsupported roof structures, or on facia boards.
- Roof framing members to which this Roof Anchor is attached to must be in good condition and free of splits, cracks, large knots, or defects that may weaken the member. Do not attach this Roof Anchor to rotted or deteriorated wood.

ATTACHING THE ROOF ANCHOR: Separate the Roof Anchor base legs and mount them on either side of the peaked roof. Position the Roof Anchor so that the 12 holes along the center of the legs are over a framing member. After positioning, push down to minimize any gap between the Roof Anchor and the mounting surface. Secure the Roof Anchor using 16d nails or 12 X ¼-14 Teks screws (use either nails or screws) : 10 per leg. A minimum of 20 nails or screws are to be used ensuring that the center holes are secured into the roof framing member and balance of nails or screws are secured as per diagram below

WARNING: The Roof Anchor must be positioned on top of previously secured roof sheathing (do not attach directly to rafter or truss member). All 20 nails must be installed. If the roof anchor is not installed properly, it will not hold the rated loads and serious injury or death could occur.

Use only 16d nails or 12 x ¼-14 Teks screws that have a complete head. Do not use nails from nail guns. Never attach the roof anchor with the legs still together (legs must be spread apart).

REMOVAL OF ROOF ANCHOR:
Remove the roof anchor prior to shingling the area. To remove it, pry off the anchor from the roof. If the anchors are screwed down, the screws should be removed.

CONNECTING TO THE ROOF ANCHOR:
Connection to the installed roof anchor may be made using a self locking snap hook or self locking and self closing carabiner only. When connecting, make sure the connections are fully closed and locked.

TRAINING
It is the responsibility of all users of this equipment to understand these instructions, and to be trained in the correct installation, use, and maintenance of this equipment. These individuals must be aware of the consequences of improper installation or use of this equipment. This user manual is not a substitute for a comprehensive training program. Training must be provided on a periodic basis to ensure competency of the users.

IMPORTANT: Training must be conducted without exposing the trainee to a fall hazard. Training should be repeated on a periodic basis.

Material: Forged alloy D-ring and 1/8 in. thick steel base

Weight: 1.8 lbs. Size: 5/8 in. x 4 in. x 17 in.

Capacity: 310 lbs. (one person)