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## Instructions for Reusable Temporary Roof Anchors



Conforms to CSA Z259.15 Class A  
and ANSI Z359.12

The N5072F and N5072R roof anchors consist of a forged D-ring integrally connected to two steel plates. These anchors are designed to be used only with CSA or ANSI compliant fall protection equipment (for example, energy absorbing lanyard, fall protection harness, etc).

## WARNING

All persons using this equipment must read and understand all instructions. Failure to do so may result in serious injury or death. Do not use this equipment unless you are properly trained.

It is *the employer's responsibility* to provide all users of fall protection with the proper equipment and training for the work at hand

- All users must read and understand all warnings and instructions prior to use.
- Only trained personnel are to use this equipment
- Ensure all pieces of equipment are compatible with each other. Failure to adhere to system compatibility requirements may result in accidental disengagement, which could result in injury or death.
- The end user must inspect all equipment before each use.
- A competent person, as determined by OSHA, must inspect all equipment at least annually.
- In the event of a fall, the equipment must be replaced.
- Do not alter any equipment. Repairs can only be performed by the manufacturer or authorized personnel.
- The roof anchor must be installed according to these instructions using the appropriate 2 inch #8 screws.
- The user must connect to the D-ring using only approved connecting devices.
- Only intended for single attachment.

## CORROSION

If the roof anchor is used in an environment such that the roof anchors may be exposed to a corrosive environment (for example, near salt water), the roof bracket must be inspected more frequently.

## ROOF STRUCTURE

This anchorage connector is intended to be installed on wood framed structures capable of withstanding a minimum of 5000 lbs (22kN) of loading, or a minimum of 2 times the maximum arresting force as calculated and approved by an engineer competent in fall arrest.

## INSTALLATION

The roof anchor must be installed at the roof peak, a minimum of 5 feet inward from the leading edge, ensuring that the anchor is also placed as far as possible from any exposed fall hazards.

Ensure the roof anchors are adequately spaced so that the roof anchor minimizes any swing falls.

The roof anchor must be secured directly into a truss. NEVER install the roof anchor into sheathing alone.

To install the roof anchor, spread the steel plates apart and lay it over the peak of the roof.

A minimum of 10 (ten) #8x2" screws (not supplied) must be installed directly into the rafter using the center holes of the roof anchor. The remaining outer holes must be screwed to the roof sheathing using 22 (twenty two) #8x2" screws.

Ensure that all 32 screw holes (16 per side) are used!

When installed as an anchor point on a flat surface (only for N5072F) the connecting fall arrest sub-system must not extend over the roof to the other side.

## INSPECTION OF ROOF ANCHOR

Inspecting the roof anchor must be done before each use and at least annually by a competent person. Look for signs or cracks, dents, corrosion, or deformities in the roof anchor. Ensure that each leg is flat and not bent due to excessive force.

If inspection reveals a defective condition, remove unit from service immediately and destroy, or contact a factory authorized service center for repair.

## INSPECTION OF INSTALLATION

Ensure that the roof anchors in firmly attached to the roof structure. Firmly pull on the roof anchor to ensure that the roof does not move. Inspect the roof structure to ensure it still has adequate strength to support 5000 lbs (22kN).

If there is any doubt of the integrity of the roof structure, remove the roof anchor and relocate to an adequate location.

## RESCUE PLAN

All workers using any fall arrest system must have a rescue plan prior to using these systems. Please consult a competent person to evaluate and write a specific rescue plan for each application.

## CALCULATING TOTAL FALL CLEARANCE REQUIRED

**Fall Clearance is the distance required to safely arrest the users fall. It is the distance from the anchorage to the ground.**

Step 1: Calculate free fall (FF)

Step 2: Determine how much the connecting device deploys (DD)

Step 3: Determine the stretch of the harness (Xh)

Step 4 :Add a safety factor (typically 3ft) (SF)

Step 5: Add all the figures together to calculate clearance (C)

$$C = FF + DD + Xh + SF$$

