



FIGURE 3 - UNINTENTIONAL DISENGAGEMENT

1 - Non Compliant Part

2 - Gate presses against non-compliant part

3 - Gate opens

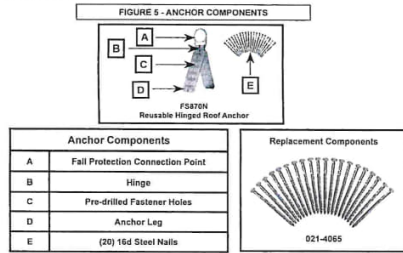
4 - And parts disengage.



F5870
Reusable Hinged Roof Anchor

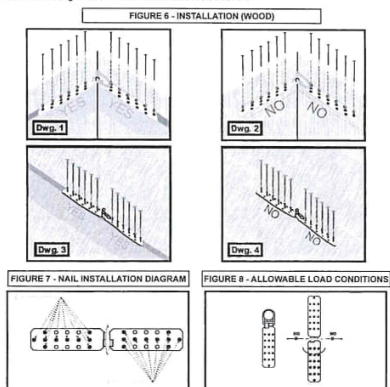
The FS870 version of the Reusable Roof Anchor does not include fasteners. The FS870 can be installed on both wooden and steel roofs. The required fasteners and installation instructions for both types of substrates are indicated in Figures 5-10 of this manual. Fasteners used for installation must be the same or equivalent to those indicated in these instructions.

FS870N ANCHOR COMPONENTS

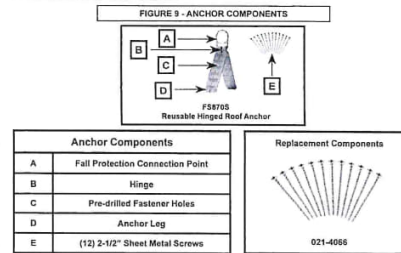


INSTALLATION

- The FS870N is installed over and into a roof truss at the peak, or in the field of the roof (See Figure 6, Dwg. 1 and Dwg. 3).
- The work location should be free of debris, and other materials or equipment that could interfere with the proper installation or operation of this equipment.
- Inspect the substrate to which the anchor will be attached. User should inspect for the following hazards. These hazards include, but are not limited to: rot, cracks, severe weathering, soft or deteriorated areas in the sheathing, or damage from severe weather.
- Installation of the FS870N requires that fasteners penetrate both the substrate and the truss. Substrate must be a minimum of 3/4" CDX plywood. Fasteners must go through the sheathing and penetrate the truss at least 1-1/2". Do not install or use the FS870N on either the truss or sheathing independently. Installation must capture both the sheathing and truss. The FS870N must be installed a minimum of 5' from any edge. NOTE: If the wood sheathing is of a thickness of 1-1/2" or greater, then the FS870N can be installed into the sheathing only. ALL holes must be used.
- To install with nails, position the anchor over previously secured roof sheathing (do not attach directly to the rafter or truss member). The roof anchor must be placed with the center holes lined up directly over a framing member. Drive the nails through the center holes on both plates through the sheathing and directly into framing member. To complete installation, additional nails must be installed in the outer holes of each leg. Refer to Figure 7 which indicates all required holes filled to complete anchor installation.
- Ensure all required holes are filled and nails are fully installed. Installation on a wooden structure restricts the users allowable work zone in relation to the anchor's location. Figure 8 indicates the allowable load conditions for the FS870N. DO NOT attach a lifeline between two or more FS870N anchors (i.e., Horizontal Lifeline System).
- PFAS connecting device can now be connected to the FS870N.



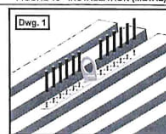
FS870S ANCHOR COMPONENTS



PARALLEL INSTALLATION

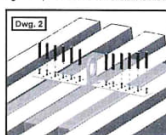
- The FS870S can be installed in a parallel or perpendicular orientation to a metal roof decking.
- The work location should be free of debris, and other materials or equipment that could interfere with the proper installation or operation of this equipment. User must ensure minimum substrate requirements are met. Minimum 22 gauge metal roofing/decking over minimum 16 gauge 2-purlin.
- Inspect the steel to which the anchor will be attached. User should inspect for the following hazards. These hazards include, but are not limited to, excessive corrosion, cracks, severe rust, excessive paint, or degradation due to intense heat or chemical exposure.
- When installing the FS870S in a parallel configuration, the anchor must be installed to the crown of the metal roof decking. The FS870S MUST NOT be installed into the trough of the metal roof decking. The FS870S must be installed a minimum of 5' from any edge.
- Install the (12) 2-1/2" Sheet Metal Screws in the center row of pre-drilled holes on each leg of the anchor (8 screws per leg / See Figure 10, Dwg. 1).
- The sheet metal screws must penetrate both the metal sheathing AND the purlin. Never install or use anchor attached to the sheathing only, or to the purlin only. DO NOT attach a lifeline between two or more FS870S anchors (i.e., Horizontal Lifeline System).
- PFAS connecting device can now be connected to the FS870S.
- When installed in this configuration, the FS870S can sustain loads in all directions.

FIGURE 10 - INSTALLATION (METAL)



PERPENDICULAR INSTALLATION

- Follow Steps 1 through 3 as indicated in Parallel Installation.
- When installing the FS870S in a perpendicular configuration, the anchor must be installed to the crown of the metal roof decking. Wood support members must also be used. The support members are placed in the trough(s) of the roof decking. Place the FS870S perpendicular across the crown(s) of the decking and across wood support members (See Figure 10, Dwg. 2). The FS870S must be installed a minimum of 5' from any edge.
- Install the (12) 2-1/2" Sheet Metal Screws in the center row of pre-drilled holes on each leg of the anchor (8 screws per leg / See Figure 10, Dwg. 2). Anchor should be placed to ensure the screws penetrate both the metal sheathing AND the purlin, or are installed into the wood support members (See Figure 10, Dwg. 2). DO NOT attach a lifeline between two or more FS870S anchors (i.e., Horizontal Lifeline System).
- PFAS connecting device can now be connected to the FS870S.
- When installed in this configuration, the FS870S can sustain loads in all directions.



WARNING

Users should consult with their doctor to verify ability to safely absorb the forces of a fall arrest event. Fitness level, age, and other health conditions can greatly affect an individual's ability to withstand fall arrest forces. Women who are pregnant, individuals considered minors must not use any Safewaze equipment.

Never alter any part of an anchor or add/remove components. Safewaze shall not be held responsible for injury or death due to tampering.

Anchor that are exposed to fall arrest forces MUST be IMMEDIATELY removed from service and destroyed.

Failure to follow these instructions and warnings could result in serious injury or death in the event of a fall.

A preplanned rescue procedure in the event of a fall is required. The rescue plan must be specific to the project. The rescue plan must allow for employees to rescue themselves, or to be promptly rescued by alternative means.

Harnesses or connectors selected for use with any Safewaze anchor must be compatible in size and configuration. User must ensure compatibility of snap hooks, carabiners and other connectors. Any connection which could allow disengagement must be eliminated. Snap hooks and carabiners must be self locking and self closing and must never be hooked to each other.

A Competent Person must conduct an analysis of the workplace and anticipate where workers will be conducting their duties, the route they will take to reach their work, and the existing and potential fall hazards they may be exposed to. The Competent Person must choose the fall protection equipment to be utilized.

Do not misuse equipment.

Equipment designated for fall protection must never be used to lift, hang, support or hoist tools or equipment unless specifically certified for such use.

INSPECTION

Safewaze Anchors shall be inspected prior to each use by the user, and at least annually by a Competent Person other than the user. Annual inspections shall be documented. Severity of conditions during use may necessitate increased frequency of documented inspections.

Anchor that fail inspection MUST be removed from service.

Prior to each use, inspect the anchor for deficiencies or damage, including, but not limited to, sharp edges, rough edges, deformations, corrosion, pits, burrs, chemical exposure, extreme heat exposure, kinks, bird nesting, or otherwise damaged cable, and damaged, missing or illegible labels. If any deficiencies or defects are found, the anchor must IMMEDIATELY be removed from service.

The anchor must be inspected at least annually by a Competent Person other than the user. Competent person inspections must be recorded in the inspection log included in this manual and on the inspection grid label on the anchor.

WARRANTY

Safewaze warrants its products are free from defects in materials and construction under normal use and service. Liability is not accepted for abuse, modification, improper use, destructive activity and contaminated exposure.

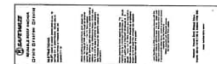
MAINTENANCE & STORAGE

Anchor can be cleaned with water and mild soap if necessary. User should remove all dirt, possible corrosives, and contaminants from the anchor prior to, and after each use. Never use any type of corrosive substance to clean the anchor.

Excess water should be blown out with compressed air. Hardware can be wiped off with a clean, dry cloth.

When not in use, store the anchor in a cool dry area where it will not be exposed to extreme light, extreme heat, excessive moisture, or possibly corrosive chemicals or materials.

LABELS



INSPECTION LOG

Date	Inspection Items Noted	Corrective Action	Initials



225 Wilshire Ave SW, Concord NC, 28025

Phone: 800-230-0319

Fax: 704-262-9051

Email: info@safewaze.com

Web: safewaze.com

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