

# Metal Standing Seam Roof Clamp



## Instructions

General Description: The Guardian Metal Roof Clamp is a roof mounted fall protection system designed for use on sloped or flat roofs. It allows workers free movement while tied off to an approved retracting lifeline device. The system comes with a telescoping clamp which fastens to most standing seam structures. Special individual conditions may require a different system.


### **WARNING:**

The purchaser/user is solely responsible for attaching the Guardian Metal Roof Clamp to a proper point in the roof. The standing seam roof deck must be of sound material and construction. The attachment point must meet all Federal, State, Local regulations and OSHA (Fall Protection). The purchaser/user is also solely responsible for obtaining and using a harness and connecting equipment, as well as enforcing safe work practices when using this equipment.

1. Failure to install, use, and/or remove Guardian equipment in a safe and workmanlike manner can result in serious injury or death.
2. Read and understand all instructions, warnings, cautions, notes, etc. regarding the safe use of this safety equipment.
3. When installing, using and removing Guardian safety equipment, Federal, State, Local Laws and Regulations must be followed. Consult OSHA and ANSI for more information.
4. You must plan for and follow safe work practices for each installation and removal of this equipment.
5. If you have any questions regarding the safe installation, use, or removal of the equipment call Guardian at (800) 466-6385.

**WARNING: Federal, State and Local standards and laws must be followed at all times. Failure to do so may result in serious injury or death.**

### **INSTALLATION AND INSPECTION**

1. Visually inspect the unit before installation:
  - a. **Metal roof clamp**
    - i. Assembly is free of damage including bends and welds.
  - b. **Clamp and Telescopic Tubing:**
    - i. No physical damage to assembly including bolts, nuts, washers and bends.
2. **WARNING:** If the unit fails the visual inspection or test, do not use. Return to Guardian for repair. **DO NOT TRY TO REPAIR THE UNIT!**
3. Attach the unit to a proper anchorage point which is in line with and above and the user (perpendicular to the edge). Never use an anchorage point which is far to left of right of the user in order to minimize fall swing type injuries from the pendulum effect after a fall.
4. Adjust the leg of the anchor to align with the spacing of the roof seams. The leg will adjust from 24” through 36” seam spacing.
5. The bent sides of the clamps **MUST** be hooked underneath the lip of the seam. The flat sides need to be flush with the flat side of the seam. 
6. Tighten the two (2) clamps to secure assembly to the metal deck standing seam. **TORQUE EACH OF THE BOLTS TO 50 FOOT POUNDS.**

## **Metal Roof Clamp Instructions**

**WARNING:** It is critical to properly torque the mounting bolts. These bolts hold the clamp onto the metal deck. If not properly installed, the standing seam roof clamp could pull off the metal deck during a fall by a worker.

**WARNING:** Re-Torque anchor mounting bolts to 50 foot pounds daily

Test to make sure the unit is anchored securely in place.

### **OPERATION**

The Guardian Metal Roof Clamp is designed to accept numerous manufacturer's fall blocks (fifty (50) foot in length maximum).

1. Remove clevis pin.
2. Slide fall block horizontally into position.
3. Reinsert clevis pin and insert hitch pin.
4. Inspect and operate the fall block as per manufacturer's instructions.

***WARNING: FAILURE TO FOLLOW THE FALL BLOCK MANUFACTURER'S INSTRUCTIONS COULD RESULT IN SEVERE INJURY OF DEATH.***

### **MAINTENANCE**

The following periodic routine maintenance actions are recommended:

- Perform the visual inspection and test described under INSTALLATION before use of each unit.

**CAUTION: DO NOT USE THE METAL ROOF CLAMP FOR WORKER POSITIONING (IN LOCK POSITION ).**

**WARNING: WHENEVER UNIT HAS ARRESTED A FALL IT MUST BE RETURNED TO GUARDIAN FOR DISASSEMBLY, INSPECTION AND REPAIR OR REPLACEMENT FO PARTS AS REQUIRED. DO NOT DISMANTLE UNIT.**

**If you have any further questions please contact Guardian Fall Protection, Kent WA at 800-466-6385.**