

SINGLE & DUAL PLATE ROOF ANCHOR INSTRUCTION & SAFETY MANUAL

This manual applies to Part # 23-415 Single Plate Roof Anchor and Part # 23-416 Dual Plate Roof Anchor.



23-415 | Single Plate Roof Anchor



23-416 | Dual Plate Roof Anchor

WARNING!

These instructions are intended to be used as part of an Employee Safety Training Program as required by the Occupational Health and Safety Act and Regulations in Ontario, other provincial health and safety regulations in Canada and the Occupational Safety and Health Administration requirements and State Regulations in the USA. Before using this equipment, read these instructions carefully and completely. The instructions must be understood and followed to obtain adequate fall protection/travel restraint protection from the equipment. FAILURE TO OBSERVE LIMITATIONS, CAUTIONS AND WARNINGS IN THESE INSTRUCTIONS MAY CAUSE LOSS OF PROTECTION AND RESULT IN SERIOUS INJURY, DISABILITY OR DEATH.

The Plate Anchors are designed for use as anchorage connectors in complete fall arrest systems for personal fall protection.

SPECIFICATIONS

Plates	Galvanized and plated steel
D-Ring	Galvanized and plated steel
Fasteners	#12 x 2" hex head screws



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WARNING: Users of the Plate Anchors must be fully trained in, and knowledgeable about, all governmental and regulatory requirements applicable to workplace safety and the use of the Plate Anchors in the workplace. The purchaser of the Plate Anchors shall be responsible for ensuring that all persons using the Plate Anchors are trained users of the Plate Anchors and that the operating instructions contained with the Plate Anchors, including this warning have been read and enforced in a language the user of the Plate Anchors understands.

WARNING: The Plate Anchors is to be used as a component of a complete personal travel restraint system including a full body harness, shock absorbing lanyard and/or a travel restraint line. **Do not attach vertically to a structure.**

WARNING: **Do not alter or misuse the Plate Anchors in any way.** To do so may result in serious injury or death and will cause all approvals, guarantees, and warranties on the device to become null and void.

IMPORTANT: Before using the Plate Anchors, record the product model number and the manufacture date found on the product label in the Inspection Log provided in this manual.





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1. TRAINING

- 1.1. Always follow all governmental and regulatory requirements in your area that are applicable to workplace safety and the use of the Plate Anchors in the workplace.
- 1.2. All users of the Plate Anchors must be familiar with these instructions and trained in the correct installation, use and care of the equipment. Training should be ongoing at regular intervals.
- 1.3. The employer must train the workers using the Plate Anchor in the correct use of the Plate-Anchor and all fall protection equipment used and give the worker oral and written instructions in a language that he or she understands.
- 1.4. An employer must verify that the worker has been trained by preparing a written training record containing the name of the employee trained, the date(s) of training and the signature of the person who conducted the training.
- 1.5. The employer shall develop a rescue plan establishing what to do if a fall occurs.

2. SYSTEM REQUIREMENTS

- 2.1. The Plate Anchors are designed for use with CSA/OSHA/ANSI fall protection equipment which has been inspected as per the associated manufacturer's instructions.
 - 2.2. The Plate Anchors must be used in conjunction with an approved certified full body harness and attachment lifelines at all times.
 - 2.3. Always calculate the fall distance and ensure a clear unobstructed distance is provided where a fall might occur. The maximum free fall distance is six (6) feet (1.83 metres OSHA/ANSI in the USA), five (5) feet (1.5 metres CSA/OSHA in Canada) or other applicable local regulations.
 - 2.4. The Plate Anchors have been tested to a minimum ultimate static load of 5,000 lb (22.2 kN).
 - 2.5. Ensure the member to which the Plate Anchors are attached is capable of sustaining the fall arrest forces and that the Plate Anchors is not attached to a deteriorating surface.
 - 2.6. **Never attach more than one (1) worker to the Plate Anchors.** The combined weight of the person, clothing and equipment on the worker must not exceed 310 lb.
 - 2.7. Plate Anchors may be used for work positioning for two (2) persons.
 - 2.8. Always make sure the slack of the lifeline is as little as possible to minimize fall distance and swing hazards.
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3. INSPECTION

- 3.1. A fall protection competent, qualified person must thoroughly inspect the Lite-Anchor and all other components prior to each use to be sure that there is no physical damage and that it is suitable to use.
- 3.2. A competent, qualified person trained in fall protection must thoroughly inspect the rafters and sheathing prior to installation.
- 3.3. A competent, qualified person trained in fall protection must thoroughly inspect after installation to ensure proper fastener penetration and alignment.
- 3.4. Look for cracks, dents, bends and corrosion on metal parts.
- 3.5. If the inspection reveals and deformities or defective conditions whatsoever, discard immediately.
- 3.6. Record all inspection results in the Inspection Log provided with these instructions.

WARNING: Any Plate Anchor that has been subjected to a fall of any force is to be immediately removed from service and returned to the manufacturer along with the fasteners used during the application and a copy of the written account of the incident for complete analysis.

4. INSTALLATION

- 4.1. The Plate Anchor is to be fastened to roof framing lumber of at least 2" x 4" dimensions with OSB or plywood sheathing at least 7/16" thick.
 - 4.2. The framing must be capable of supporting a minimum of 5,000 lb for fall arrest use and 3,000 lb for fall restraint use.
 - 4.3. Do not exceed 12/12 pitch or a 45 degree angle.
 - 4.4. For asphalt or built-up roofing, the anchor may be attached through no more than 1 layer of roofing installed over sheathing with no insulations, furring or fillers.
 - 4.5. Fasteners must penetrate the sheathing a minimum of 3/4", and must always be installed parallel to the slope of the roof or rafter.
 - 4.6. Fasteners must be removed using the same method as installation. **Do not pull out by prying the underside of the anchor.** This can possibly damage or fracture the anchor.
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5. USE & REUSE

- 5.1. Always install screws using a screw gun or drill and hex driver. Do not hammer in screws. The may cause fracture and failure of the fasteners.
- 5.2. Do not reuse fasteners after removal because the strength of the fasteners will be reduced.
- 5.3. Replace the anchor if it has been subjected to any type of damage or fall.
- 5.4. Remove the anchor from service immediately if the attachment ring is not perfectly round.

6. WARRANTY

The Plate Anchors is guaranteed to be free of defects in materials and workmanship for a period of 90 days form the date of purchase. Unless the purchaser gives Primeline Tools Inc. notice of any defect in the Plate Anchors within such period, the Plate Anchors shall be conclusively deemed to be free of such defects. The Plate Anchors must be used in accordance with the operating instructions provided to the purchaser. The purchaser shall assume all liability of any nature and kind arising from any improper use. The liability of Primeline Tools Inc. shall be limited to replacing the Plate Anchors at no expense to the purchaser in the event of a defect in material or workmanship within the period set out above. Primeline Tools Inc. shall not be liable for any loss or damage caused by the use and care of the Plate Anchors, or any repairs, servicing or adjustments thereto, or any sub sequential damages whatsoever or howsoever caused.
