

SINGLE & DOUBLE RING ROOF ANCHOR INSTRUCTION & SAFETY MANUAL

This manual applies to Part # 23-417 Single Ring Roof Anchor and Part # 23-418 Double Ring Roof Anchor.



23-417 | Single Ring Roof Anchor



23-418 | Double Ring 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 Ring Anchors are designed for use as permanent anchorage connectors in complete fall arrest systems for personal fall protection. The anchors can be applied during new construction or retrofitted into the design of finished roofs with asphalt shingles, shakes or tiles. The anchor is attached securely across the ridge opening and the roof is finished overtop of the anchor with the roofing materials and ridge vent. Only the D-rings are exposed for a quick and safe connection. The single ring 23-417 can also be used in wall mount applications to provide fall protection.

SPECIFICATIONS

Plate	Type 304 stainless steel (20 gauge – 0.035")
D-Ring	Zinc-plated steel
Weight	1.5 lb (0.68 kg)
Maximum Working Load	310 lb (140.62 kg)
Recommended Fasteners	#12 x 2" hex head screws



Primeline Tools Inc.
3170 Orlando Dr. Unit 1,
Mississauga, L4V 1R5 ON
Canada

P: 905-671-4788
F: 905-672-5499
info@primelinetools.com
www.primelinetools.com

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

WARNING: The Ring 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 Ring 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 Ring Anchors, record the product model number and the manufacture date found on the product label in the Inspection Log provided in this manual.



Primeline Tools Inc.
3170 Orlando Dr. Unit 1,
Mississauga, L4V 1R5 ON
Canada

P: 905-671-4788
F: 905-672-5499
info@primelinetools.com
www.primelinetools.com

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 Ring Anchors in the workplace.
- 1.2. All users of the Ring 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 Ring Anchor in the correct use of the Ring 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 Ring 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 Ring 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 Ring 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 Ring anchors are attached is capable of sustaining the fall arrest forces and that the Ring anchors is not attached to a deteriorating surface.
 - 2.6. **Never attach more than one (1) worker to the Ring anchors.** The combined weight of the person, clothing and equipment on the worker must not exceed 310 lb.
 - 2.7. Ring 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.
-



Primeline Tools Inc.
3170 Orlando Dr. Unit 1,
Mississauga, L4V 1R5 ON
Canada

P: 905-671-4788
F: 905-672-5499
info@primelinetools.com
www.primelinetools.com

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. Verify that anchor legs are spot welded together and the D-ring is free of defects.
- 3.3. Inspect underside of top chords at anchor location. Verify that all fasteners are intact and anchor leg is not bent or twisted and the D-ring is not damaged.
- 3.4. If damage or abuse of fasteners or D-ring is evident, or the anchor has been subjected to a fall, remove from service immediately.
- 3.5. If the framing has been subjected to a free fall or other force, certify that it is capable of supporting the intended fall protection load before installing a new anchor.
- 3.6. Record all inspection results in the Inspection Log provided with these instructions.

WARNING: Any Ring 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 anchor must be installed onto top chords that are at least 2" x 4" or greater in dimensions with OSB or plywood sheathing at least 7/16" thick (WARNING: OSB is not approved for fall arrest use).
 - 4.2. The framing must be capable of supporting a minimum of 5,000 lb or twice the intended fall protection load specified by OSHA 1926.502 or equal industrial standard.
 - 4.3. Ensure fastener holes align over top chord center. Avoid off-center holes, side blowouts and bent fasteners as they compromise the strength of the installation. Remove defective installations and relocate to a different position using new fasteners.
 - 4.4. When installing anchors over existing roofing or re-roofing, confirm that the fasteners penetrate into the top chord at least 1½". Inspect for deterioration that may affect the strength of the installation.
 - 4.5. In the case of sidewall installation, center the anchor leg over the center of a 2" x 4" or greater
-



Primeline Tools Inc.
3170 Orlando Dr. Unit 1,
Mississauga, L4V 1R5 ON
Canada

P: 905-671-4788
F: 905-672-5499
info@primelinetools.com
www.primelinetools.com

wall stud sheathed with structurally sound exterior covering. Walls must be capable of supporting the intended fall protection load. Ensure that anchors are adequately spaced horizontally to reduce exposure to swing fall hazards.

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 Ring Anchor is guaranteed to be free of defects in materials and workmanship for a period of 90 days from the date of purchase. Unless the purchaser gives Primeline Tools Inc. notice of any defect in the Ring Anchor within such period, the Ring Anchor shall be conclusively deemed to be free of such defects. The Ring Anchor 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 Ring Anchor 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 Ring Anchor, or any repairs, servicing or adjustments thereto, or any sub sequential damages whatsoever or howsoever caused.
