



# USER INSTRUCTIONS

## Concrete Anchor

PC. 915150



This equipment is intended for use by people who have received proper training and are competent.

CERTIFIED PRODUCT



AUSTRALIA & NZ STANDARDS

AS/NZS 5532:2013 (BMP No. 672858)

For your own safety, you must strictly follow the usage, inspection, maintenance and storage instructions.

Austlfit cannot be held liable for any direct or indirect accident occurring following use other than that provided for in these instructions; do not use this equipment beyond its limits!

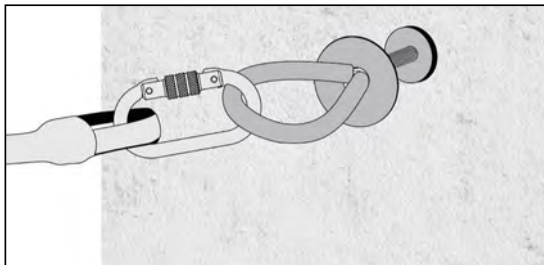
## INTRODUCTION

The 915150 concrete anchor system is a temporary, transportable and reusable anchorage point. It is intended for use by one person at a time. It must be installed ONLY in concrete surfaces in good condition with no cracks and with a minimum resistance of: 20.7 MPa. It must be installed in a structure that can resist the stress exerted by the anchorage point itself, during fall arrest using a fall arrest system, when an arrest force generates a maximum of: 6 kN. 915150 can be installed on horizontal, vertical or inclined plane surfaces.

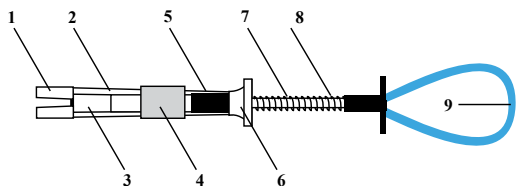
**WARNING:** 915150 must not be used as a handling/lifting mechanism. 915150 must not be left in the concrete structure.

915150 must not be installed in hollow surfaces, brick, stone, wood, metal surfaces, or any other surface except for as described above. 915150 must not be used as an anchorage point for a life-line type subsystem. Only a fall arrest system can be installed above: self-retracting fall arrester (AS 1891.3), or lanyard shock absorber (AS 1891.5), or sliding fall arrester(AS 1891.3), attached to a fall arrester harness using connectors (AS/NZS 1891.1).

**Do not install hanging/rope access work systems on 915150.**

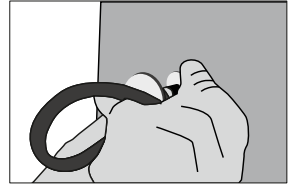
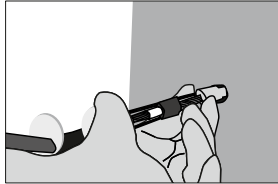
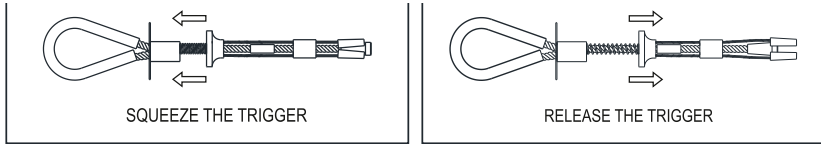


1	Blocking half-moon (x2)
2	Guide wires (x2)
3	Blocking cone
4	Wire guide
5	Placement indicator
6	Pressure button
7	Spring
8	Main safety cable
9	Anchorage ring (blue polyurethane sheath)



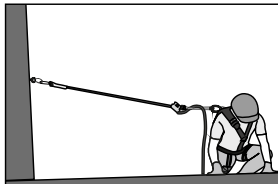
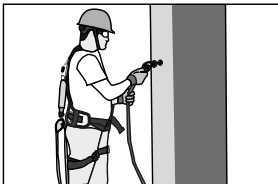
# INSTALLATION

The 915150 concrete anchor may be attached to the structure by pulling on the spring loaded trigger component.



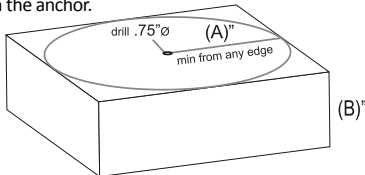
A diameter hole of 18 - 19mm with a minimum depth of 110mm is to be drilled. Hole must be drilled straight and perpendicular to the surface. The drilled hole must have a uniform diameter with no trace of peaks and valleys on the inner wall. Clean the drilled hole by blowing compressed air.

Put your thumb inside the anchor loop and the first two fingers around the trigger while placing the anchor. Also until the trigger and spring fully compresses, squeeze the fingers and thumb together. To lock the anchor, release the trigger after inserting it in the hole at least 80mm deep.



Now the eye of the anchor can be used as anchorage point. Connect the lanyard with the anchor.

Now the anchor is ready to use.



**Spoon Orientation**

\* Best practice for spoon orientation when loaded 0° to hole.

See Spoon Orientation

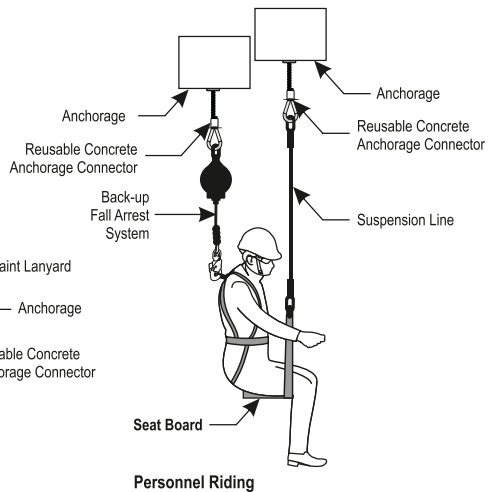
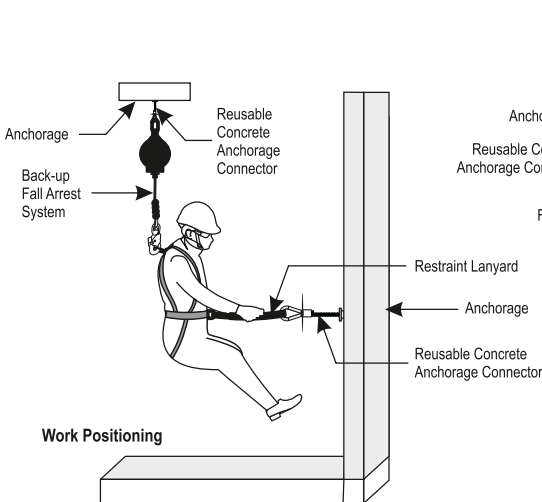
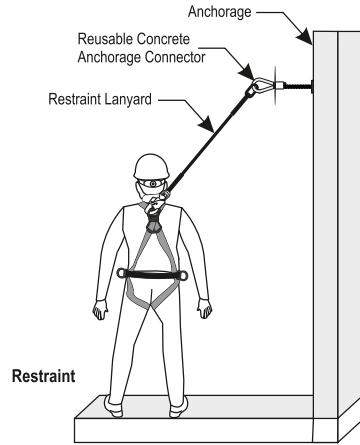
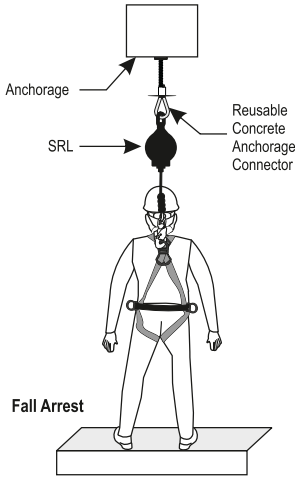
**PROPER LOADING**

## HOLE DRILLING REQUIREMENT CHART

(A) Minimum distance from edge/corner	(B) Concrete thickness
15.3 cm	30.5 cm
30.5 cm	12.7 cm

With the help of trigger grip, one can get fast and easy operation for both installation and removal for added productivity designed for cured concrete with a compression strength of at least 3000 p.s.i (20.7 MPa).

To use as a Removable portable anchor point on both vertical and overhead surfaces, as well as in combination with horizontal lifelines, the Concrete Anchor has been designed for single person use.



**INSTALLATION REQUIREMENTS:** For safe effective installation of the Reusable Concrete Anchor, make sure to observe the following requirements:

- **Concrete:** A compressive strength of 3000 p.s.i. (20.7 MPa) is must for the concrete to secure the anchor. Do not use the Reusable Concrete Anchor in lightweight concrete, hollow block, grout, stone, wood, steel or any other substrate. The concrete base material must be at least 5 inches (12.7 cm) thick.
- **Mounting Hole Location:** The thickness and width of the concrete is considered to analyze the allowable distance for mounting the Reusable Concrete Anchor from an edge or corner. Mounting hole location requirements are as follows:

Concrete Thickness	Concrete Width	Minimum Mounting Distance from Edge/Corner
30.5 cm	30.5 cm	15.3 cm
25.4 cm	40.6 cm	20.3 cm
20.3 cm	50.8 cm	25.4 cm
12.7 cm	61 cm	30.5 cm

**Note:** Drill bits for drilling mounting holes must conform to ISO 5468 addressing carbide-tipped masonry drills and blanks for carbide-tipped masonry drills.

**ANCHORAGE STRENGTH:** Ensure that the structure on to which the anchor is fitted is strong enough to withstand a load of 20kN.

**LIMITATION:**

- It should be the personal property of its user.
- It should not be used in highly acid or basic environments.
- The equipment shall not be used outside its limitation, or for any purpose other than that for which it is intended.
- The anchor has been tested to AS/NZS5532:2013 standard and is appropriate for maximum of single person use with energy absorber as per AS 1891.5 standard that is rated to user mass of up to 140kg including tools.
- It is essential for the safety of user that if the product is resold outside the original country of destination, the reseller shall provide instruction for use, for maintenance, for periodic examination and for repair in the language of the country in which product is to be used.
- It is advisable to use the dorsal attachment D-Ring of the harness for connection.
- A full body harness is the only acceptable body holding device that can be used in fall arrest system.
- Following conditions may be hazardous & may affect the performance of Anchor:
  1. Extreme temperature.
  2. Trailing or looping of Lanyards over sharp edges.
  3. Extreme acidic or basic environments.
  4. Abrasive or sharp edge structures which can damage the equipment.
  5. Chemical Reagents.
  6. Climatic exposure.

- When the equipment gets wet, either from being in use or when due to cleaning, it should be allowed to dry by itself and be kept away from open fire or any other source of heat.
- When Anchor device is used as part of a fall arrest system, the user shall be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall to a maximum of 6kN.
- Any dangers that may arise by the use of combinations of items of equipment in which the safe function of any one item is affected by or interferes with the safe function of another.
- Ensure that the harness used conforms to AS/NZS 1891 standards and the Karabiner is connected to attachment elements of the harness; also ensure that harness has an attachment located appropriately to the fall arrester.
- Standard packaging supplied from manufacturer should be used during transportation to protect the equipment against damage.
- It is important to conduct regular periodic examination of the product because the safety of the user depends upon the continued efficiency and durability of the product.
- The frequency of examination should be at least once in a year however it can be more than once if legislation requires, or frequency of use is high or environmental conditions have an adverse effect on it eg. excessive rain, sea side environment, excessive heat etc.
- Ensure that all markings on the product are legible and readable.
- Anchor device is marked with the date of the last inspection.
- The anchor device should only be used for personal fall protection equipment and not for lifting equipment.
- Ensure that spring movement is well working.
- Ensure all the parts are free from rust.
- If there is any crack/damage/deformation shown on the product, it should be removed immediately from the service.

## WARNING

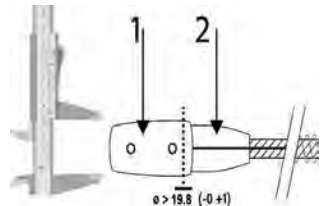
This equipment must only be used by trained, competent and healthy persons, or under the supervision of a trained and competent person. Certain medical conditions may affect user safety; if in doubt, consult your doctor.

### **BEFORE EACH USE, CHECK:**

The effectiveness of this anchor system depends on proper sizing of the safety components, namely:

- 1: blocking half-moons
- 2: blocking cone

The dimension opposite must be checked before each use: if the size is smaller, have your equipment checked or discontinue use.



Also check before each use: that there is no sign of deformation or oxidation on any 915150 component. Pay particular attention to the anchorage ring and the crimping on the components (on the blockage cone, the half-moons, placement indicator and the anchorage ring). Check that the main cable is not cut or deformed. If there is any doubt, the equipment must not be used until a qualified individual has carried out a complete check.

**DO NOT REMOVE, ADD OR REPLACE ANY COMPONENT OF THE PRODUCT.**

**CHEMICAL PRODUCTS:** do not use the device in the event of contact with chemical products, solvents or fuels which could affect its operation.

**TECHNICAL SPECIFICATIONS:**

Stainless steel and aluminium. Cable: Galvanised steel: diam. 6 mm. Weight: 150 g +/- 10 g. R>15 kN. Austlift certifies that this equipment has been tested in accordance with the standard AS/NZS 5532.

**COMPATIBILITY FOR USE:**

An anchorage point must be used in a fall arrest system as defined in the product manual in order to guarantee a maximum arrest force of 6 kN on the user. A fall arrester harness (AS/NZS 1891.1) is the only body support device permitted for use. It may be dangerous to create your own fall arrest system in which each safety function may interfere with another safety function. As such, before each use, refer to the recommendations for use for each of the system's components.

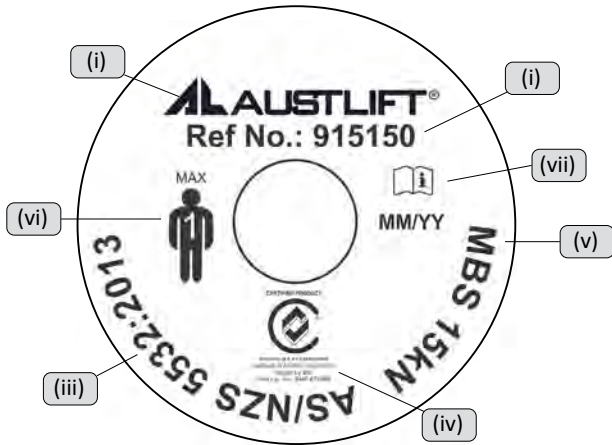
**MAINTENANCE AND STORAGE:** (these instructions must be strictly observed)

During transportation, keep the equipment away from any cutting edges and in its packaging. Clean with water, wipe with a cloth and hang in a ventilated room to dry naturally, ensuring that it is away from any direct light or source of heat; the same applies for elements that may have got wet during use. The device must be stored in a cool, dry and ventilated room, and in its packaging.

**INSPECTIONS:**

The recommended service life of the equipment is 10 years from in service date (in accordance with the annual examination by a competent person), but it may be increased or reduced according to use and/or the results of the annual inspections. The equipment should be inspected if there is any doubt, or following a fall and at least annually, by the manufacturer or a competent person authorised by the manufacturer to check its strength and hence the user's safety. The product's Inspection Log must be completed (in writing) after each check; the inspection date and the date of the next inspection must be indicated on the Inspection Log, it is also advisable to specify the date of the next inspection on the product.

## MARKING



The is marked with:

- (i) Identification of the manufacturer
- (ii) Product code
- (iii) The AS/NZS standard that the product complies with
- (iv) The BSI mark showing that the product complies with AS/NZS standards
- (v) Minimum Breaking Strength
- (vi) For single user only
- (vii) Read the instruction before use







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