



USER INSTRUCTIONS

Davit System



PC. 915400
AS/NZS 5532:2013

This instruction manual belongs to the Austlift Davit System according to AS/NZS 5532:2013 and must be available at the place of installation. If this device is sold, the instruction and assembly manual must be included in the local language.

The instructions for use and installation must strictly be read in full and understood before using the apparatus.

AUSSLIFT DAVIT SYSTEM 915400

The Austlift Davit System is classed as Personal Protective Equipment (PPE) .

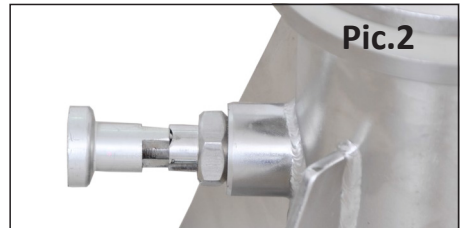
The System is designed to minimise the risk of/provide protection against the danger of falling from heights. However, always remember that no item of PPE can provide full protection and care must always be taken while carrying out any risk related activity.

Overview and Equipment Designaons:

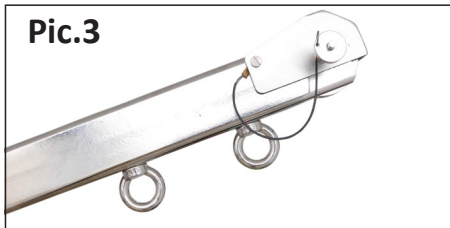
Locking pin to adjust the extension arm in 3 positions



Locking pin for securing the column onto the floor/wall mounting bracket in the desired position.

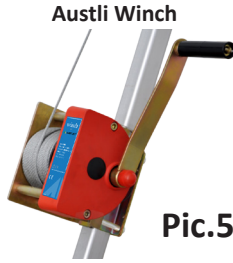


Two Additional attachment points can be used as anchorage point for Retractable fall arrester



Large locking pin for securing the extension arm on the column.





Pic.5

Floor Mounng Br acket (915401)



Pic.6

Wall Mounng Br acket (915402)



Pic.7

Note : Suitable M16 fasteners are to be used for fixing the brackets to the structure. See Pic.6 and Pic.7 for examples.

Notice: Preparing the apparatus for use requires prior knowledge of proper mounting of the floor and wall mounting brackets. The bolts or screws required for mounting the brackets do not come included with the product. It must be ensured that the mounting is correctly fastened and aligned.

INSTALLATION

STEP 1 : On the floor/wall mounting bracket, first pull the inserted locking pin outwards, turn it 90° and let it go again. That secures it from springing back to the lock position and is now ready for the insertion of the mast. Please refer to pics below

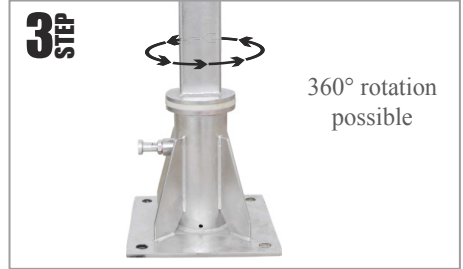


STEP 2: Insert the mast into the floor mounting bracket.

Please refer to pics below

STEP 3: In the bottom, round part of the lower arm of the mast, there are 8 holes for the stop bolts, which allow the Davit Mast to be locked at intervals of 45°. If unlocked, the Mast is free to turn by 360°.

Please refer to pics below

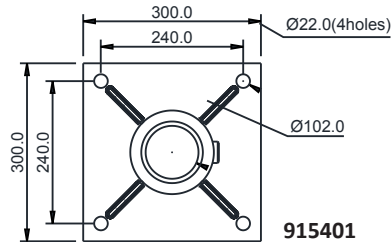
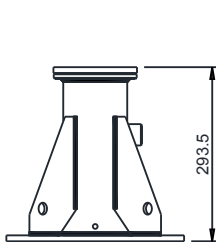
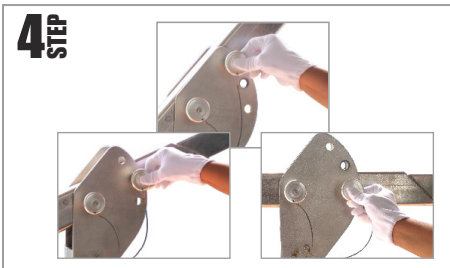


STEP 4: Unlock the locking pin by pressing on the pin and pulling it out. Now swing the extension arm of the Davit into the desired position 1, 2 or 3 as preferred and secure it again by pushing the lock pin back in.

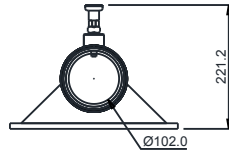
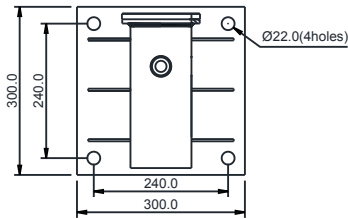
Please refer to pics below

STEP 5: The Davit System is now ready for its basic function. To dismantle, go through the described steps in reverse order.

Please refer to pics below



915401
Floor mounting bracket



915401
Floor mounting bracket

NOTE:

The receiving structure must be able to withstand stresses equivalent to 22.1 MPa or 22.1N/mm². The fasteners/structural anchors must be strong enough to handle this strain. They must be stainless steel/High tensile, size M16.

- Thickness of concrete block should be minimum 9"(228.6mm)
- Drill hole should have a minimum clearance of 11"(279.4mm) from all the available edges
- All receiving Structure should be verified by a qualified structural Engineer.
- Can be installed on cantilever of concrete beam by sand-witching two plates on beam & concrete structure should be verified by a qualified structural Engineer.
- Suitable M16 fasteners should be used for fixing the brackets to the structure.
- For dismantling the Davit System, go through the described steps in reverse order.

Optional Accessories:

AUSTLIFT RETRACTABLE FALL ARRESTER rated capacity 136kg / 1 person

AUSTLIFT WINCH rated lift capacity 136kg / 1 person

Assembly of Optional Equipment:

The AUSTLIFT RETRACTABLE FALL ARRESTER rated capacity 136 kg / 1 person is mounted on the anchorage eye with help of a Karabiner.

AUSTLIFT Winch is mounted on the cantilever or Davit Mast with the help of two bolts M10 x 100mm washer and nylon nut as well as a specialised bracket.

SAFETY INSTRUCTIONS

- This fall protection apparatus is compliant with AS/NZS 5532:2013 and is tested for securing a maximum of one person against falling. In conjunction with additionally required AS/NZS1891.1 compliant safety harnesses, EN360 compliant AUSTLIFT retractable fall arrester and EN 1496 compliant AUSTLIFT winch, it serves for the safety of persons performing work that involves a risk of falling. All harnesses, fall protection apparatus and retractable fall arresters must only be used as intended.
- Failure to observe the instructions for use can present a danger to life. In the event of a fall, hanging in the harness for a period of time must be avoided (risk of suspension trauma orthostatic shock).
- The apparatus must only be operated by appropriately trained and competent persons. No users of this equipment may suffer from any kind of health impairment! (eg. alcohol, drug, medication or circulatory problems)
- An optional AUSTLIFT Retractable fall arrester can only protect one person while in use.
- The apparatus should be arranged as close to perpendicular over the head of the person to be secured in order to prevent swinging in the event of a fall.
- If the cable breaks or becomes kinked or roughened, the optional AUSTLIFT fall arrester must be removed from service and returned to the manufacture for inspection and/or cable replacement.
- The optional AUSTLIFT retractable fall arrester is intended for use at temperatures between - 30°C and +50 °C, in accordance with EN 360.
- The permissible load on the fall protection apparatus corresponds to AS/NZS 5532:2013 for securing one person of Max.136Kgs.
- No modifications or additions to the complete system may be made.

PRE-USE CHECK

Make sure that:

- All locking pins are in the lock position.
- The Austlift Davit System mast and extension arm are not distorted or damaged.
- All bolts and screws are tightened.
- Wall/Floor mounting bracket are properly installed.
- The wire rope of winch/retractable fall arrester is free of cuts, corrosion, kinks etc

WARNING

- Ensure any medical condition of the user does not affect his safety in normal and emergency use.
- The Austlift Davit System shall only be used by a person trained and competent in its safe use.

- A rescue plan shall be in place to deal with any emergencies that could arise during the work.
- Do not make any alterations or additions to the Austlift Davit System without the manufacturer's prior written consent.
- The Austlift Davit System shall not be used outside its limitation, or for any purpose other than that for which it is intended.
- The user should carry out a pre-use check of the Austlift Davit System, to ensure that it is in a serviceable condition and operates correctly before it is used.
- The pre-use check shall involve checking for any wear or abrasion on wire rope and signs of cuts, frays, damage.
- Withdraw from use immediately if there is any doubt about its safe condition or if it has already arrested a fall.
- Use karabiners conforming to EN362 for connecting to the anchor points.

The Following conditions may be hazardous & may affect the performance of the Davit System:

1. Extreme temperatures
2. Trailing or looping of Lanyards over sharp edges.
3. Extreme acidic or basic environments.
4. Abrasive or sharp edged structures which can damage the equipment.
5. Grease, oil, and harmful chemicals.
6. Direct exposure to rain and moisture.
7. Ultraviolet radiation.

IMPORTANT

- Ensure that the Austlift Davit System is compatible with other items when assembled into a system. Usage with other incompatible items may be dangerous & hazardous as the safe function of one item may be affected or interfere with the safe function of another.
- It is essential for the safety of the 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 the product is to be used.
- If used properly, the Austlift Davit System has a life span of 10 years from the date of manufacture unless subjected to severe abrasions or extreme temperatures/climatic conditions.

GENERAL INSTRUCTIONS FOR USE OF THE AUSTLIFT DAVIT SYSTEM

- The Austlift Davit System shall be used only for Vertical movement, up or down.
- Only suitable for use with a weight of up to 136kg.
- Ensure that the harness complies with AS/NZS1891.1 and is adjusted to the user's size, is free from damage and is in good condition.

Also ensure that the equipment has not exceeded its yearly inspection date and if so an inspection is required by a competent person prior to use.

INSTRUCTIONS FOR MAINTENANCE

Strictly follow the maintenance instructions procedure laid out below.

- In case of minor soiling, wipe the equipment with cotton cloth or soft brush. Do not use any abrasive material.
- Store in cool dry place, preferably away from moisture, direct sunlight, extra acidic or basic conditions, and sharp edges.

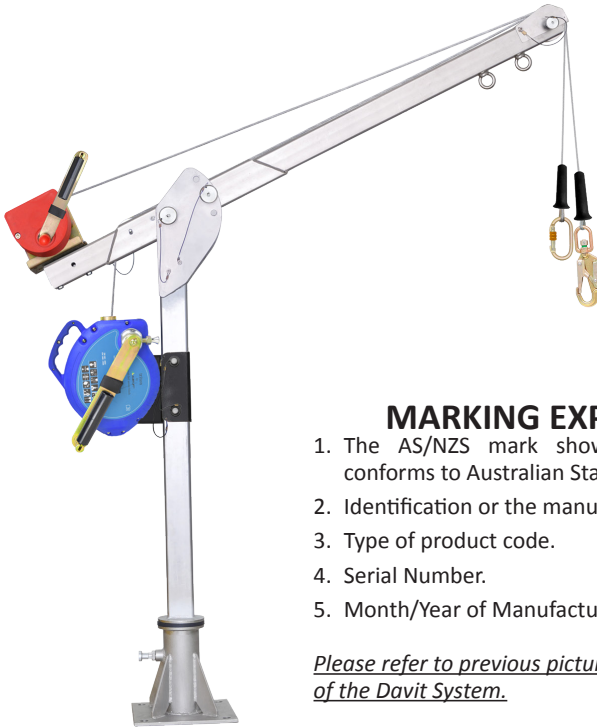
REPAIR

Never attempt to repair the Davit System.

If the product becomes damaged, it will not provide optimum level of protection, and therefore should be immediately either replaced or repaired. Never use a damaged product. Also, never use it if the rope shows signs of cuts or damage. Repair is permitted only if it is either done by the manufacturer, or by a competent authorised repair center or individual approved by the manufacturer.

CORRECTIVE MAINTENANCE

According to the PPE Directive BS8437:2005, the equipment **MUST** be inspected and certified for function by a competent person once every 12 months.



MARKING EXPLANATION

1. The AS/NZS mark showing that the product conforms to Australian Standards.
2. Identification of the manufacturer.
3. Type of product code.
4. Serial Number.
5. Month/Year of Manufacture

Please refer to previous pictures for proper installation of the Davit System.



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915400 Davit System

Distributed by:



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AS/NZS 5532:2013

B/I P915400 V1 2017