



# PLANT & EQUIPMENT RISK ASSESSMENT

**Equipment:** Mobile Anchor Cube

**Make / Model:** MAC (70208)



**Workplace / Operating Location**

**Initial Issue Date:**

20/05/2024

**Last Revision Date:**

20/05/2024

**Revision No: 0**

**Next Review Date:**

20/05/2025

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**Signature:**

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| Hazard Identified                               | Risk Identified (Injury, Illness)                         | Risk Factor | Hazard and Risk Control                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------|-----------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Untrained Operator</u>                       | Personal Injury                                           | 3C          | <ul style="list-style-type: none"><li>Operator to be assessed as competent prior to operating the MAC.</li><li>User must be trained and competent to work at heights.</li></ul>                                                                                                                                                                                                   |
| <u>Set-Up (work position)</u>                   | Manual handling                                           | 3C          | <ul style="list-style-type: none"><li>If required to set-up near other equipment, operators of both of the equipment must constantly communicate with each other and be aware of their surroundings.</li><li>Use appropriate Personal Fall Protection Equipment (PFPE) i.e. Inertia Reel and Safety Harness as instructed by the manufacturer in the Operator's manual.</li></ul> |
| <u>System set-up to close to hazardous edge</u> | Personal Injury, damage to the equipment and surroundings | 2C          | <ul style="list-style-type: none"><li>Ensure the system is set correctly to appropriate Type 2 or Type 3 inertia system.</li><li>Ensure the ground can support the system, without the risk of caving in.</li><li>Ensure the system is set up on level surface.</li><li>Practice Restraint work positioning whenever possible.</li></ul>                                          |
| <u>Use of MAC</u>                               | Personal Injury                                           | 3C          | <ul style="list-style-type: none"><li>Operator to conduct check of the MAC system &amp; PFPE prior to use.</li><li>Operator to be familiar and understand work practices when using the fall arrest equipment.</li><li>Ensure that correct PFPE is used to allow for Limited Free Fall and MAF of 4kN.</li><li>Check and confirm maximum allowable work surface area.</li></ul>   |
| <u>Equipment Failure</u>                        | Personal Injury, damage to the equipment and surroundings | 2C          | <ul style="list-style-type: none"><li>Follow regular inspection and maintenance procedures outlined in the manual.</li><li>In case of a fall, tag the equipment "OUT of SERVICE" until the issue has been addressed by competent personnel.</li></ul>                                                                                                                             |

**Summary:**

- Do not work in congested areas without barricading / designating the equipment operational area.
- Observe all safety markings.
- Operator to be aware at all times of overhead objects (services, power lines low clearance, gantry cranes etc.)
- Do not exceed the Working Load Limit rating of the equipment.
- Only operators holding a certificate of competency for working at heights are to use and operate this equipment.
- Equipment safety checks are to be completed at regular intervals.
- All defects that affect the safe operation of equipment are to be reported immediately, the equipment tagged as “Out of Service” and not to be operated until repaired by the manufacturer’s representative.

**Likelihood = Probability**

| Likelihood                 | Frequency of an event                       | Consequence of an event occurring | Description                                                                                                        |
|----------------------------|---------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>L5 – Almost Certain</b> | Common or repeating occurrence, most likely | <b>A - Catastrophic</b>           | Fatality or permanent total disability                                                                             |
| <b>L4 – Possible</b>       | Known to occur, or “it has happened”        | <b>B - Major</b>                  | Permanent partial disability or temporary total disability over 30 days                                            |
| <b>L3 – Unlikely</b>       | Could occur                                 | <b>C - Moderate</b>               | Serious non-fatal injury, non-permanent disability less than 30 days, hospitalisation, emergency medical treatment |
| <b>L2 – Remote</b>         | Not likely to occur / remote                | <b>D - Minor</b>                  | Temporary discomfort/medical treatment, minor injury or illness                                                    |
| <b>L1 – Inconceivable</b>  | Practically impossible / rare occurrence    | <b>E – Negligible</b>             | Minor abrasions, bruises, cuts or first aid only                                                                   |

| Matrix     |                    | CONSEQUENCE |        |        |           |           |
|------------|--------------------|-------------|--------|--------|-----------|-----------|
|            |                    | E           | D      | C      | B         | A         |
| LIKELIHOOD | 5 – Almost Certain | Medium      | High   | High   | Very High | Very High |
|            | 4 – Likely         | Low         | Medium | High   | Very High | Very High |
|            | 3 – Possible       | Low         | Medium | High   | Very High | Very High |
|            | 2 – Unlikely       | Low         | Low    | Medium | High      | High      |
|            | 1 – Rare           | Low         | Low    | Medium | Medium    | High      |