

Joseph Guinea

[REDACTED]
Moranbah QLD, 4744

Date: 18/08/2023

RE: Rim-Lock RPEQ Design Audit & Certification

Dear Joseph,

This document outlines the results of the design review carried out on two RIM LOCK units both designed with a Working Load Limit of 7,500 KG as referenced on the drawing attached. The mechanical design of the device has been assessed for the conditions specified within the design risk assessment. The quality of materials, manufacture, inspections & function testing are the responsibility of others.

The units comply with the required/relevant Australian Standard AS4100 unless otherwise noted in this report and meets the requirements for the illustrated use. This design review is covered for a period of 5 years, should standards change or be updated this should be reviewed at this period.

Consideration has been given to the requirements of the following legislative provisions relating to the designers' duty of care:

1. QLD Workplace Health & Safety Act 2011-Section 22 - Duties of persons conducting businesses or undertakings that design plant, substances or structures.
2. Coal Mining Safety and Health Regulation 2017

Certification Requirements:

All the nominated requirements below MUST be completed:

- The user should conduct a formal Operational Risk Assessment, and this is required to assess the suitability of the item. In which this document should be referenced and attached.
- Regular maintenance and inspections shall be required at least annually or to the min standard of the nominated client's maintenance systems / procedures. Of which will be documented and kept for auditing records.
- Sufficient controls shall be put in place to test and commission the unit prior to full operation / utilisation.
- Sufficient training in the use should be given and documented into training & operation procedures.
- The unit complies with AS4100 (Steel Structures).

Specific Requirements:

- Material shall be to AS1444-4140 for all Plate & Hollow Sections (655MPa minimum).
- The unit is only to be used on solid level ground when in use.
- Minimum of 4x RIM LOCKS per tyre to be used at any one time.
- The unit is only to be used as per reference document 'Rim-Lock Usage Guide', available from Rim-Lock™.
- Visual and weld inspections are to be completed every 12 months or more frequently if designated by Rim Lock™.

Refer to following pages for labelling requirements, drawing and compliance table.

Regards,



Scott Manning

Per Ben Adamczyk – RPEQ 15059

