

Hynds Concrete Loading Ramp

Technical Guide R5.4

The Hynds loading ramp has been built to withstand tough handling and the extra stresses that loading stock requires.



03.15 | RURAL | R5.4 HYNDS CONCRETE LOADING RAMP

Applications

Stock loading

Product Attributes

- Portable
- Strong and long-lasting
- No assembly required

Quality

ISO 9001:2008 Quality Management Standard

We are the supply partner of choice for New Zealand's rural industry, specialising in water and infrastructure based solutions.



The Hynds Loading Race has been built to withstand tough handling and the extra stresses that loading stock requires.

Design Specifications

- Made to order and delivered to site as complete units.
- Manufactured from precast reinforced concrete.
- Rails made from galvanised steel rail.
- Rail height is 1350mm

Installation

- Installation on site requires a level base, preferably with a layer of fine bedding aggregate.

Codes

- LRCH – Loading Race High Rail
Manufactured in Palmerston North.

Note: All dimensions are nominal

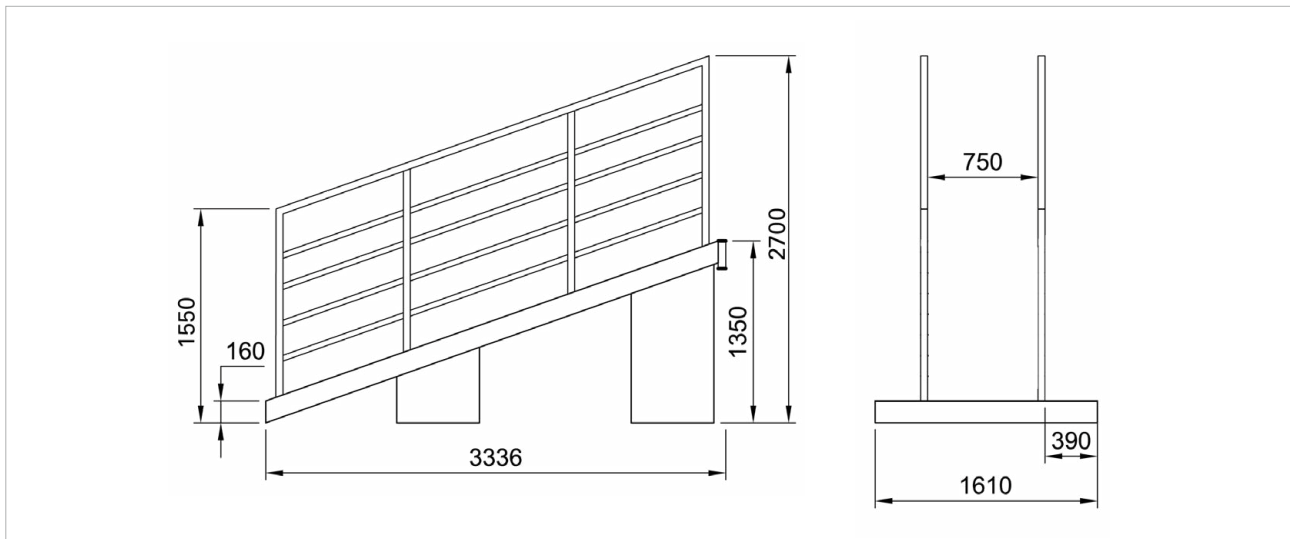


FIG. 1 Drawing for LRCH



Lifting and Handling

All Hynds Concrete Loading Ramps incorporate Swiftlift lifting anchors for safe lifting and must be used with the correct lifting clutch.

Hynds Pipe Systems has designed and manufactured Concrete Loading Ramps with a minimum dynamic factor of 1.2. This dynamic factor requires that all the following conditions are observed when lifting, moving or placing the ramps:

1. Lifting with mobile plant (*such as an excavator or similar*) where equipment is specifically exempt from the requirements of the PECPR Regulations 1999, subject to the conditions outlined in the New Zealand Gazette, No. 104, September 2015 and
2. Lifting, travelling and placing over rough or uneven ground where anchor failure is not anticipated to cause harm or injury, by adopting procedures such as:
 - a. Transporting the element as close as practical to ground level (300mm recommended)
 - b. Establishing and maintaining exclusion zones
 - c. Transporting only precast concrete elements that are unlikely to topple if they were to hit the ground
 - d. Inspecting lifting anchors both after transportation and before final lifting into place

Refer to “Safe work with precast concrete - Handling, transportation and erection of precast concrete elements” published by Worksafe New Zealand (October 2018)

Shock loads resulting from travelling with suspended Concrete Loading Ramps over rough terrain and uneven ground may exceed design, dynamic and safety factors of the lifting systems. It is essential that care is taken during lifting and transporting as additional stresses could result in anchor failure.

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Disclaimer: While every effort has been made to ensure that the information in this document is correct and accurate, users of Hynds product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by Hynds unless expressly stated in any sale and purchase agreement entered into between Hynds and the user.