

Rumble Grids

Hazard and Risk Assessments

Before using this equipment, the job you are doing must be assessed for foreseeable hazards and risks and appropriate measures to eliminate, control or reduce those risks must be taken before you commence work.

Suggested PPE (Personal Protective Equipment):



Protective Gloves Protective Footwear Hard Hat Eye Wear

Note: PPE must be suited to the risks and person(s) using the equipment.

Safety Instructions:

- Operating Instructions** – Before using this equipment ensure you have read the 'Operating Instructions' and taken note of the 'Hazards and Risks' detailed on this instruction sheet and taken all necessary steps to prevent injury.
- Personal Protective Equipment** – Use appropriate personal protective equipment for the job.
- Installation Advice** – The safe use and application of this equipment must be in accordance with AS3610, the Occupational Health and Safety Act, approved Codes of Practice and any other regulatory requirements. Consultation with a qualified engineer is advised.

HAZARD: Risk of Slipping or Movement

... Incorrectly installed or rated Rumble Grids may cause vehicle to slip.
... Consultation with a qualified engineer is advised.

- Always install on smooth level hard surface. Concrete base or gravel may required.

Inspection

The designated competent person will inspect all components of the Rumble Grid prior to use, as well as daily and when changes in job site conditions require. Any damaged, defective or inadequate components shall be repaired or replaced.

Rumble Grids

Rumble Grids shake loose debris that lodge in truck tyres before trucks leave the job site.

Simply place the Rumble Grid on the exit road just before vehicles enter the street. When vehicles drive over the Rumble Grid, the tyres will be shaken and flexed to dislodge rocks, dirt and other debris from the treads.

The cleaning process helps remove the excess dirt that may be distributed on streets and highways. It also removes stones and rocks that can result in broken windshields and insurance claims on third party vehicles. It will reduce the time and money involved in street cleaning, water truck use, and help build goodwill with the neighboring public.

The basic Shore Hire Rumble Grid system consists of two 4000mm x 2150mm ramp sections. It is constructed of angular structural steel, welded to hot rolled steel Csection for maximum rigidity and durability.

These units can be installed very quickly and left in place for prolonged periods. When necessary after a periodic use, debris can be easily removed from under the Rumble Grid by lifting it up with an excavator and removing excess material to waste disposal.

Operating and Safety Instructions

www.shorehire.com.au

Installation

1. Consider turning circle of trucks. Allow at least 10 metres from sharp turn and ensure that truck is travelling straight when entering and exiting Rumble Grids.
2. Usually, 2 Rumble Grids are required to allow at least 1 complete rotation of truck tyres.
3. Generally HIGHER is better, to prevent silting. Water should not run into the pit from gravel road surface.
4. Excavate an area to take the sections so as the Rumble Grid sits 100mm above the exit road on the job site.
5. Lift units into place and ensure the Rumble Grids are square with the wheel tracks on the job site. Consider the Rumble Grid as part of the exit road on the site.
6. Slope the Rumble Grid with the slope of the road.

7. Sometimes Rumble Grids need to be installed on a concrete base or gravel bed.
8. Rumble Grids are supplied with connectors and need to be fitted to keep grids together.
9. DO not drive steel drum compaction rollers over Rumble Grids. Rumble Grids are designed for rubber tyred vehicles.

Dismantling

1. Remove connectors or bolts.
2. Lift each unit out of area to safe location, ensuring that lifting equipment is adequate.
3. Clean out excess dirt etc and level out area.

RISK ASSESSMENT (1= HIGH RISK, 5 = LOW RISK)

Risk (Ranking)	Description	Control
3	Installing Rumble Grids on uneven surface could make units move and cause vehicles to slip off.	Always ensure Rumble Grids are installed on level area and locked into position with connectors. Use concrete or gravel base if necessary.
2	Driving steel tracked machinery or smooth drummed rollers over Rumble Grids could cause damage to the grid and/or cause machinery to slip off.	Do not drive steel tracked machinery or steel drummed rollers over Rumble Grids under any circumstances.
3	Installing Rumble Grids without following operating instructions could cause damage to Rumble Grids or vehicle to slip.	Adhere to operating instruction to ensure Rumble Grids are installed in the correct manner.
3	Failure to not install connectors could result in unit kicking up when being driven on and cause vehicle damage or injury to personnel.	Always install connectors.
3	Dropping units, trapping feet mishandling, cuts and grazes could occur when installing and dismantling.	Follow safety procedures and operating instructions and always wear correct PPE.