WEIGHBRIDGE USER'S GUIDE

Guidance on weighing vehicles

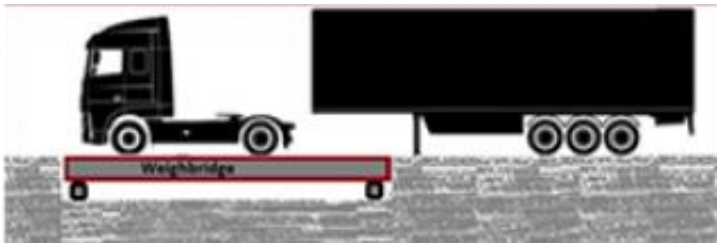
✓ *Permitted Methods of Weighing*

1. The entire vehicle must fit on the weighing platform and the weight is determined

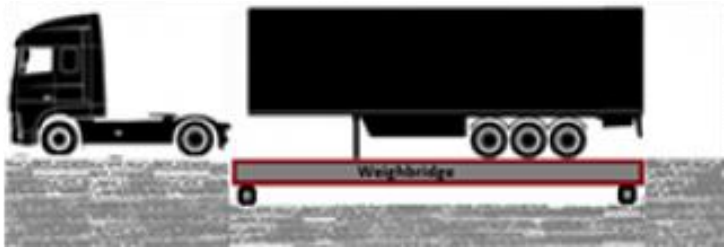
✓ *Truck and trailer on a weighbridge*

✓ *Truck on a weighbridge*

2. When the entire vehicle does not fit on the weighing platform, the vehicle and trailer must be uncoupled and weighed separately, or



✓ *Truck on a weighbridge, with the uncoupled trailer not on the weighbridge*



✓ *Truck not on the weighbridge, with the uncoupled trailer on the weighbridge*

3. When the entire vehicle does not fit on one weighing platform, the weight of the entire vehicle may be determined by adding together the results obtained simultaneously from more than one weighing platform. Also, see Technical Policy TS-019 for further guidance.

✓ *Truck and trailer coupled, with the truck on one weighbridge and the trailer on another*

✖ *Prohibited Methods of Weighing*

Conversely, the below methods of weighing are prohibited when determining the weight of a vehicle or a vehicle plus trailer combination.

1. The vehicle is on the weighing platform, but the trailer is not; when the vehicle and trailer are coupled,

Truck and trailer coupled, with only the truck on the weighbridge

2. The trailer is on the weighing platform, but the vehicle is not; when the vehicle and trailer are coupled, or

Truck and trailer coupled, with only the trailer on the weighbridge

3. The vehicle is not completely on the weighing platform.

Truck with only its front axle on the weighbridge

Weighbridge Care and Maintenance

Weighbridge care and maintenance is a team effort. It involves co-operation between vehicle drivers, the weighbridge owner, the weighbridge operator, and a weighbridge servicing company Sensortronic Scales. Performing some basic maintenance checks periodically will ensure your weighbridge will continue to operate effectively long into the future.

Driver Responsibility 1:

APPROACH THE WEIGHBRIDGE SLOWLY

Using excessive speeds on the weighbridge will cause shock loading on the loadcells. Minimise entry and exit speeds to below **5kph** and maintain speeds

Driver Responsibility 2:

DO NOT HIT THE BRAKES

Sudden braking on the weighbridge will cause shock loading on the loadcells and travel restraints.

Owner Responsibility 1:

KEEP THE WEIGHBRIDGE CLEAN

The New Zealand Weights & Measures legislation requires your weighbridge to be clean at all times. A build-up of material on and beneath the weighbridge deck, will trap water and more material.

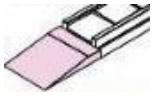
Owner Responsibility 2:

MAINTAIN THE TRAVEL RESTRAINTS

All weighbridges are installed with travel restraints to allow the weighbridge deck to roll back and forth, but not too much. The deck will expand and contract with heat and will need to be adjusted for the different seasons (Summer and Winter). Have too small a gap and the deck will expand and jam against the buffer. Have too big of a gap and the deck will rock excessively. Excessive movement will cause undue wear and tear on loadcells and compromise their longevity.
We recommend a longitude gap of 5mm and a transverse gap of 2mm to be checked every two months.

Owner Responsibility 3:

MAINTAIN THE APPROACHES



Ensure the approaches to the deck are kept clear and clean and are replaced as required.

Owner Responsibility 4:

ENSURE REGULAR SERVICING

Loadcells and loadcell assemblies need to be inspected for damage and regreased periodically. The weighbridge calibration should also be checked regularly and adjusted by a licensed repairer if necessary.

Contact Sensortronic Scales to ensure servicing is performed regularly and to a

Owner Responsibility 5:

DISCONNECT POWER DURING STORMS

Disconnect power during an electrical storm (except when an Uninterrupted Power Supply is used) to reduce the risk of the electrical components of the weighbridge (the digital display and the loadcells) from suffering damage due to lightning strikes.

Owner Responsibility 6:

USE A GOOD QUALITY POWER SOURCE

A weighbridge is a precision instrument and, as such deserves to have a good quality, stable power source. We recommend using an Uninterrupted Power Supply, but an isolated 240VAC source is also a good option.
Certainly, do not power the weighbridge using a generator or a 240VAC source that shares a line with starting motors and other current destabilising machinery.

Owner Responsibility 7:

DO NOT WELD ON THE WEIGHBRIDGE DECK

Welding involves the transfer a high current and could easily destroy the delicate circuits of all electronic equipment.

Contact us if welding is essential

If you notice any fault with your weighbridge, contact Sensortronic Scales immediately. Delaying attention could compound the issue and turn a minor fault into a major repair. We have the experience and resources to perform quality servicing, and we carry a large range of spare parts to ensure a quick service

SENSORTRONIC
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