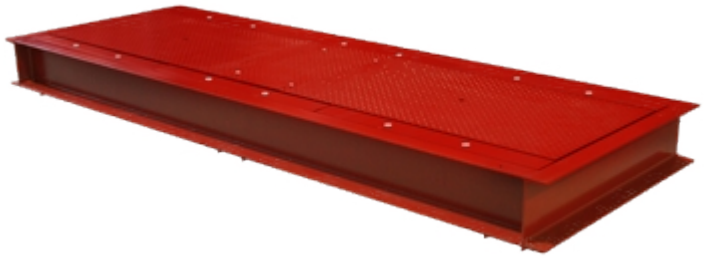
DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

RWSCP

Flush-floor platform for axle weighing stations.



RWS is an axle weighing platform designed to build weighing stations for checking the axle weight of vehicles. RWS also makes it possible to calculate the weight of a vehicle in transit by summing the various axles, weighed while stationary or in motion.

RWS is CE approved according to Directive 2014/31/EU for verification of the axle weight.

The best solution for advanced industrial applications

Technical features

- Designed for controlled-access weighing stations, with vehicle transit at reduced speed within 5km/h (refer to installation manual for more information)
- Accuracy 1% for internal use, 2% for legal for trade use. These accuracies can be obtained by following the installation specifications and instructions in the installation manual.
- Anti-slipping loading surface made of sheet metal, sized to withstand any load on the basis of the parameters dictated by the Directive 96/53/EC (maximum load on single axle for vehicles transiting in Europe).
- Steel beam supporting structure.
- Sized to weigh axles up to 20t and detect axle overloads up to 30t (refer to product manual for use and maintenance conditions).
- Complete with frame for the containment, made up of a single bearing structure, in welded painted steel, that does not require assembly. It facilitates the installation of the scale and simplifies the masonry.
- Sandblasting and varnishing with bi-component epoxy coating, highly resistant to corrosion.
- Dimensions of the load surface (lxw): 3 x 0.73 m.
- 6 compression load cells, class C3, stainless steel, with IP68 protection.
- 20m cable for connection to the weight indicator.
- Dust and waterproof wirings and connections, easy to connect and disconnect.
- Hermetic junction box.
- Central inspected trapdoors for the ordinary maintenance.
- Wide range of connectable weight indicators, also functioning with rechargeable battery, which allow to use the platform also without an electrical power supply.

Main applications

- The axle weighing system is ideal to:
  - Check the weight of each axle or of all the various sums of weights and detect any overloads.
  - Check the weight of the material transported by the vehicle and carry out simple checks on incoming/outgoing goods.

Certifications and approvals

- The system is CE approved according to Directive 2014/31/EU (NAWI, static weighing) for verification of the axle weight.
- The system is also OIML R134 certified for in-motion weighing (dynamic) of the whole vehicle, at a maximum speed of 5km / h with a weighing accuracy of 2% (sum of the weight of the axles, depending on the rules in force in the country of use).
- The system is approved in Italy as a weighing instrument with automatic operation, for in-motion road vehicle weighing according to Decree no.267995 of 19/9/2019.
- The system is also approved for dynamic weighing in various European countries (for further information please contact our sales office).

Stationary and in-motion weighing

- Depending on the combined weight indicator, the axles of the vehicle can be weighed while stationary or in motion:

  - The stationary weighing function allows the vehicle to be weighed by adding up the weights of the individual axles.
  As well as being the most cost-effective way to weigh, it avoids penalties due to axle overloading.
  - The in-motion weighing function allows you to minimize weighing time.
  The weight is acquired as the vehicle passes over the scale, without the need to stop for weighing each axle.
  In-motion weighing is particularly suitable for those who need to weigh frequently during the day.

Available weighing functions

- Depending on the combined weight indicator, the system offers the following operating functions:
  - Weighing of the axle of a vehicle.
  - Calculation of the total weight of the vehicle.
  - Weighing with insertion of the preset tare weight.
  - Calculation of the weight difference between two weighs.
  - Database of 500 vehicles.
  - Customizable texts.
  - Printing and saving of the weighs on USB memory.

DETAIL 1

RWSCP: installation example, with a well leveled concrete surface.

VERSIONS

Available versions

Codice	l x w x h (mm)	N° celle	Max (kg)	d (kg)
RWS	3000x730	6 x 12500kg	30.000 (•)	20

(•) Sized to weigh axles up to 20t and detect axle overloads up to 30t (refer to product manual for use and maintenance conditions).

WARNING: the product requires special transport, with quote.

www.diniargeo.com

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