



## Weighbridge - Model TS 300



### Product Description

Leon Engineering is in the truck scales business for more than 25 years, designing, producing and supplying up-to-date solutions for demanding applications.

The TS-300 has been designed on basis of our longtime experience in industrial weighing and with the application of the most modern components. It is a steel mobile weighbridge; an innovative design which offers everything the users expect: Perfect weighing performance, strength, easy installation and maintenance, therefore a profitable investment.

All weighbridge components are fully compliant to the European regulations and for legal metrology and to strict quality standards, offering a scale that will weigh accurately and trouble free over a lifetime under the harshest conditions.

With our model TS-300 we offer you the opportunity to select a completely transportable weighbridge with many benefits. You no longer require special transport to move this weighbridge. A standard forklift truck will do for loading/ offloading and for the installation work. Due to its design characteristics it is possible to adapt this weighbridge to almost every special requirement without involving high extra cost. The installation time for the TS-300 usually takes less than one day. Furthermore a special and often very costly foundation is something of the past. The TS-300 can be installed on any (reasonably horizontal) concrete or asphalt surface over which also your trucks can drive. Within one day the TS-300 can be dismantled and relocated on a new site. In short, the TS-300 offers you the best price/performance ratio available nowadays.

### Basic Features

- Complete steel and modular construction
- Perfectly suitable for temporary sites
- Designed for easy transportation
- Very easy to install with no special foundation required
- High precision load cells integrated in weighing modules

### General Description

- Lightweight construction, total weight for a 18 x 3m weighbridge approx. 11.000 kg, including drive on/off ramps. Heaviest component weighs approx. 1000 kg.
- Easy to transport by small capacity truck.
- Easy and fast (0,5 to 1 day) installation / relocation by means of a small forklift without necessity for cranes and other heavy equipment.
- No need for special foundations, can be installed on any, reasonable horizontal, concrete or asphalt surface, surface must be able to carry fully loaded truck
- Only 300 mm high
- Unique modular design by means 3 basic modules, being: weighing modules, floor modules and ramp modules.
- All weighbridge parts, including load cells and mounts, remain easily accessible after installation, guaranteeing uncomplicated maintenance

### Weighing modules

- The weighing module is a complete self-contained unit, including two integrated high precision stainless steel compression load cells type.
- Incorporated in the weighing module are the transversal and longitudinal buffering elements, which also act as security devices during transportation, together with an anti-lift-off protection.
- Hence a compact weighing module is supplied, which no longer requires:
  - Re-assembly of load cells and buffering parts with installation / relocation of the weighbridge
  - Load cell positioning (verticality) and corner correction problems
  - The weighing modules are fixed to the ground by means of anchor bolts.

### Floor modules

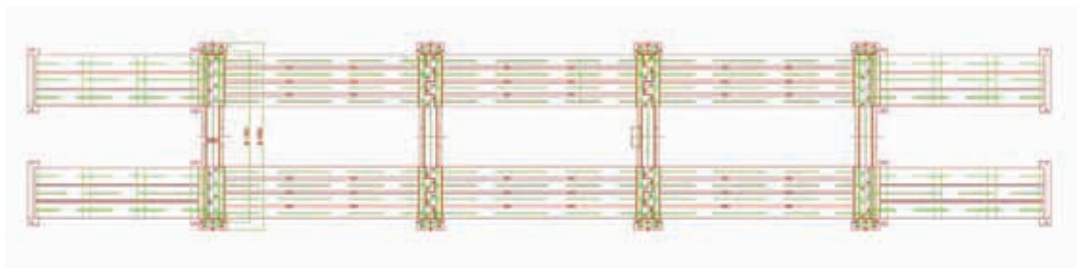
- The floor module is a straight forward construction of standard beams, which are welded together resulting in a channelled structure.
- The floor modules are bolted onto the weighing modules providing a drive-way of 950 mm wide on either longitudinal side of the weighbridge, resulting in an economical and lightweight construction. As an option this drive way can also be 1200mm (TS300 HD).
- The channelled structure of the floor module serves as a "water & dirt drain" resulting in less material build-up on the weighbridge surface

### Ramp Modules

- The ramp module is a straight forward construction of partial standard beams welded together resulting in a channelled structure.
- The ramp modules can be installed on both ends of the weighbridge construction and are fixed to the ground by means of anchor bolts. Each ramp is 950 mm wide. If required 3 ramps can be installed next to each other on either side of the weighbridge.

### Options

- Galvanized version
- Civil works drawings for on-site construction of concrete access ramps
- Cover plates for inner section (e.g. when weighing small trucks or motor cars)
- Heavy duty version
- Shim plates for levelling of the weighbridge modules during installation



Drawing TS-300 18X3

## Installation Procedure



Weighbridge modules are easy to be transported and stored in any warehouse



Movement of the parts and installation can be done with only a usual forklift



Critical points of the installation are careful fixing, leveling of the modules and the careful fixing to the ground with chemical or steel anchor bolts.



Load cells and junction box remain easily accessible after installation



Very minimum foundation is needed, often only under the parts which support the weigh modules and the ramps (fixing points)



In half a day the installation is complete and the weighbridge is ready for operation

Dimensions	Number of Load Cells	Capacity
6x3m	6	30tn
9x3m	6	50tn
12x3m	6	50tn
16x3m	8	80tn
18x3m	8	80tn