

"WWSELM" SERIES LEVELLING MODULES FOR AXLE WEIGHING



WWSELM levelling module



Useful for creating mobile or fixed axle weighing stations, of any length.

Carriageable levelling modules, to be combined to the WWSE series' platforms for creating mobile or fixed axle weighing stations. These considerably improve the weighing results, both in the static and the dynamic applications.

TECHNICAL FEATURES

- Single module dimensions in mm (l_wxh): 1000 x 700 x 52.
- Maximum capacity of the single module: up to 10t.
- Sturdy wooden structure, with a metal protective coating.
- Mini aluminium ramps for easing the rising/descending of the vehicle.
- Special vulcanised antislip rubber for maximum grip on all types of surfaces.
- Fitted with kit for joining the modules and fixing these to the pavement.
- Usable both for static as well as dynamic applications.
- Weight: about 28 kg.

NOTA: for dynamic weighing applications, the WWSELM levelling modules can be used also with the WWSD platforms.

ADVANTAGES

- Best distribution of the loads.
- Reduction of the influence of the weighing suspensions.
- Reduction of the height difference effect (important for vehicles with more than two axles).
- Easy to install and move, for mobile weighing stations.
- Reduced costs and installation time.
- Modularity: by adding various modules it is possible to quickly increase the length of the weighing zone according to one's needs.
- Reduced space, for easing the transport and the storage in the periods in which it's not used.

Levelling modules for axle weighing: Available versions

Code	Description
WWSELM	WWSELM, levelling module for axle weighing with WWSE series' platforms, dimensions 1000 mm x 700 mm x 52 mm, weight of about 28 kg, fitted with junction and fixing kit.



USEFUL INFORMATION

WHEN THE LEVELLING MODULES SHOULD BE USED IN THE AXLE WEIGHING APPLICATIONS

The levelling modules are necessary when one needs to weigh vehicles with more than two axles, in which the distance between the axles is less than double the axle track of the vehicle to be weighed. In any case, these are advised in all the axle weighing applications, in order to guarantee better performance.

CHOICE OF THE LENGTH OF THE LEVELLING AREA

The advisable minimum length of the area must be that which can simultaneously maintain all the axles at the same level, which, in respect to the one which weighs, are at a distance less than double the axle track of the vehicle to be weighed. NOTES: The best weighing condition is obtained by creating a levelling area of a length equal to double that of the longest vehicle to be weighed;

RULES FOR AN OPTIMAL INSTALLATION OF STATIC AXLE WEIGHING SYSTEMS

1) The resting surface below the modules should be coplanar and well levelled; this surface should have a hardness of at least 100 kg/cm² (usual value for the cement 4.25);

NOTE: a too high inclination can sensibly lessen the precision of the system;

- 2) Create a well levelled area and then the weighing platforms, with a suitable length;
- 3) The bottom beneath the weighing area must sustain, without sinking, concentrated loads equal to at least 1,5 times the maximum capacity of the module;
- 4) The weighing performance can be influenced by the type of weighed vehicle and the status in which it is maintained;
- 5) It's advisable to not weigh vehicles which transport liquids;
- 6) Once the system is optimised, it is advisable to maintain always the same direction;

RULES FOR AN OPTIMAL USE OF AXLE WEIGHING IN STATIC MODE

- 1) The vehicle wheels must be positioned correctly within the guiding bands, avoiding to touch the area around the loading surface;
- 2) Once the vehicle is positioned, release the brake and turn off the motor;
- 3) Carry out the necessary weighing operations;
- 4) It is advisable to not weigh vehicles which have flat tyres;

RULES FOR AN OPTIMAL USE OF THE AXLE WEIGHING SYSTEM IN DYNAMIC MODE

- 1) Transit at the lowest and most constant possible speed, avoiding braking while weighing;
- 2) It is advisable to not weigh vehicles which have flat tyres;