INSTALLATION GUIDE

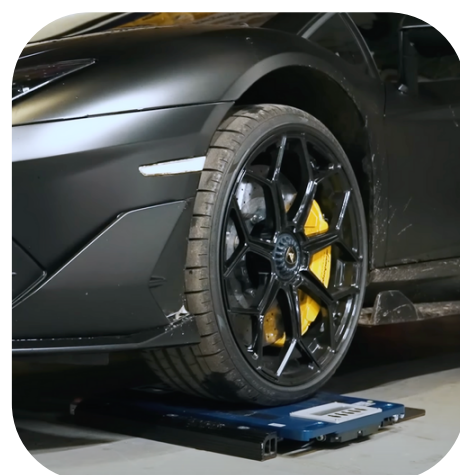# Axle Weighing System Installation: Useful Information

FOR THE OPTIMAL INSTALLATION OF YOUR SYSTEM, FOLLOW THESE STEPS:

1. Ensure that the resting surface below the modules is coplanar and well levelled, with a hardness of at least 100 kg/cm2 (the usual value for reinforced concrete).
   a. NOTE: Avoid excessive inclination, as it can significantly reduce the precision of the system. Create a well-levelled area for the weighing pads, with an appropriate length.
2. The bottom beneath the weighing area must be able to sustain concentrated loads without sinking, equivalent to at least 1.5 times the maximum capacity of the module.
3. Keep in mind that the type and condition of the weighed vehicle can influence the weighing performance.
4. Do not use the axle weigh pads to weigh vehicles transporting liquids. Once the system is optimised, it is advisable to drive over the weigh pads consistently in the same direction.

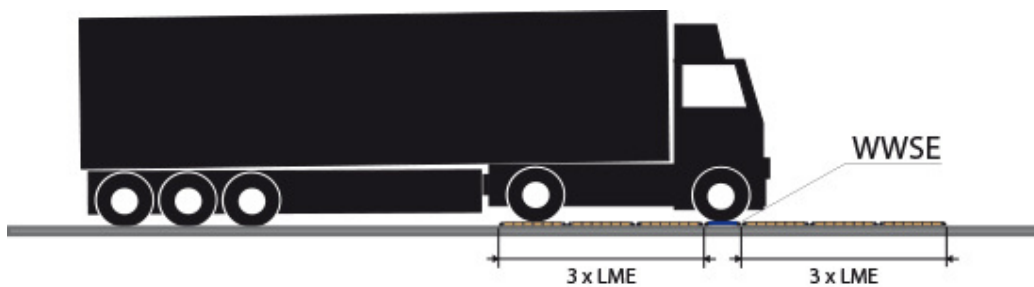## HOW TO CREATE A LEVELLED AREA

A levelled area is essential for weighing vehicles with more than two axles. To achieve this, you can use levelling modules LME and LMD (WWSD/WWSE) or the frame for the pads flush floor installation WWSCTF (WWSC), WWSDTF (WWSD), and WWSETF (WWSE).

LENGTH OF LEVELLED AREA

The advisable minimum length of the area depends on the vehicle type. For example, for a vehicle with 5 axles, the length should be 3m before and after the pads.

*NOTE: The best weighing condition is obtained by creating a levelled area with a length equal to double that of the longest vehicle to be weighed.

STATIC AXLE WEIGHING

1. Ensure the vehicle wheels are correctly positioned within the guiding bands, without touching the area around the loading surface.
2. After positioning the vehicle, press the brake.
3. Proceed with the necessary weighing operations.

DYNAMIC AXLE WEIGHING

1. Drive the vehicle at the lowest and most constant possible speed (5 km/h), avoiding braking while weighing.

*NOTE: Do not weigh vehicles that have flat tires.

WATCH THE VIDEO