

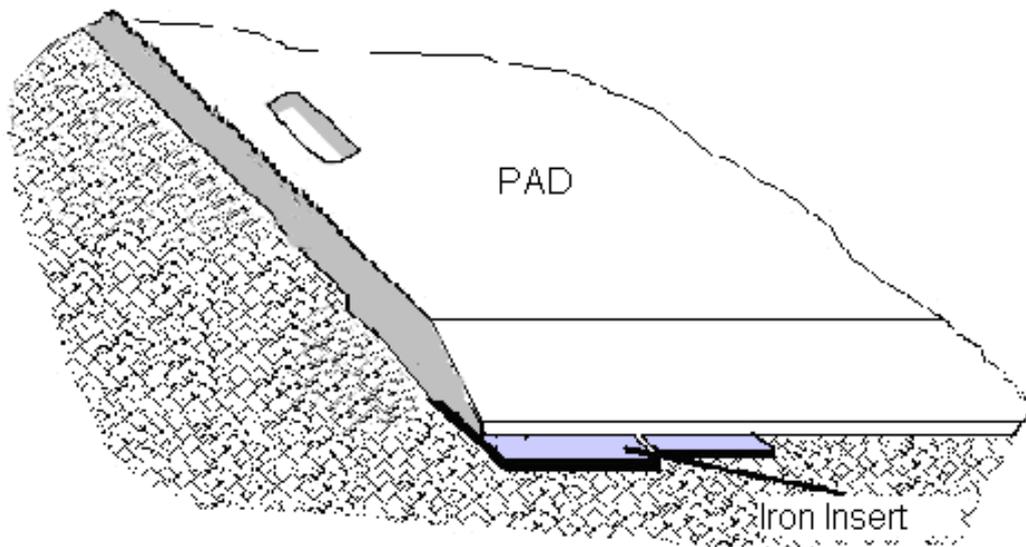
## 1 Instruction of Weighing Pads

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1. The weigh pads must be placed on the ground, which is wide and even enough. Avoid slopes and ramps. The pad should be placed onto an even asphalt or tarmac surface. Recommended installation ground:

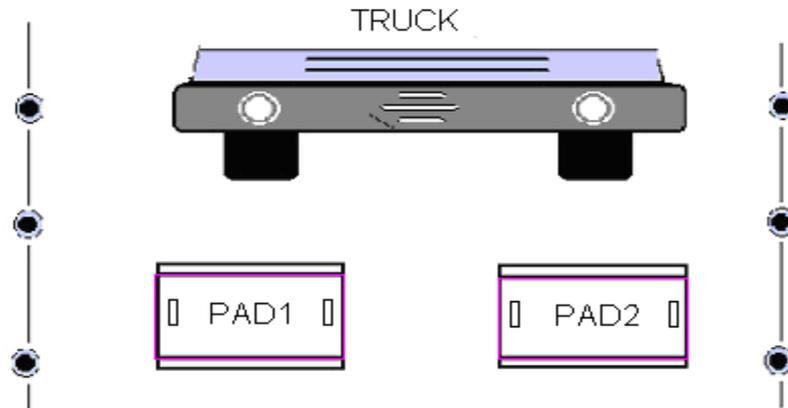
*the drop difference  $\leq 3\text{mm/m}$ ; size of the particles should be lower than  $S \phi 2$  on the load surface*

2. Adjust the width between the two weighing pads, according to the distance between the two wheels of the tested vehicle. Ensure that the width between the two weigh pads and that of the tested vehicle are the same. Make sure that the horizontal centerline of the two weighing pads match together and is vertical to the direction of the moving vehicle.
3. Please avoid using the weighing pads in an corrosive environment and on water logged roads.
4. The two weighing pads should be laid smoothly and closely with the ground to the extent that there will be no-shaking and/ or tilting when people stand on it. (if this is not possible, you can put some thin iron inserts between the pad and ground.)



*Thin iron inserts should be installed as shown in the picture above.*

- It is recommended to use four infrared cone-shaped signs to lead ways for the tested vehicle. The distance between the ready vehicle and weighing pads should be longer than 30m, to ensure the vehicle keeps a straight running direction to vertically pass the centre of the weighing platform. The relative position between the weighing pads and the tested vehicle are in the following diagram:



- The recommended speed for the tested vehicle should be within 3-5 km/h, no more than 10 km/h and the vehicle should pass the weighing platform at an even pace. Strictly forbid braking on the weighing platforms or bridge approach. If you take the static weighing, the tires should be totally between the slopes of the pads. (The pink area in the above diagram.)
- Please handle the weighing pads with care and do not throw and bump during moving.
- After use, please clean the weighing pads. Please only wash with water, not with corrosive solutions. When the instruments are totally dry then can put it into case.
- The weigh pads should be connected solidly with the indicator, it must also have a good contact with the ground, but be out of range of the magnetic field. When the weigh pads are not in use, please put them in a dry and noncorrosive environment.

## 2 Mounting recommendations

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The test precision of the system is also dependent on whether or not the weigh pads are correctly mounted. Please make sure that you follow the correct procedures as mentioned above. Please also pay special attention to the following points:

- Does the road surface meet the requirement?
- Does the distance between the wheels meet the requirement?
- Are the weighing pads in close contact with the road surface? Are the iron inserts needed ?
- Is the cable correctly placed under the ramp (in the provided groove) ?

If the road conditions are too bad to the extent that cannot meet the mounting requirements, you can take the following actions:

- Build an even and smooth cement testing platform on the testing road.
- Put a steel plate under the pads, then mount the weighing pads.