



# Truck Scale Weighbridge

Our Truck Scale Structures are factory-produced through high grade HT steel plates of Jindal/Essar make having a yield strength of atleast 50% more than the commercially available steel plate.

The mechanical structure consists of a series of modules, which is manufactured by using closed-rib orthotropic sections. These sections along with the deck and side plates are seal welded through MIG welding. This makes the structure very stiff and increases its corrosion resistance.

This optimum engineering possess high load bearing capacity to structure weight ratio, prevailing Factor of Safety (FOS)  $\geq 1.5$  for IS: 2062 grade steel used for structural fabrication.

On comparison, it has been evaluated that orthotropic sections have much more strength than I-beam and U-beam. The farthest point of these I-beams structures gets buckled due to consistent heavy load.

The closed-rib orthotropic section geometry offers even load distribution throughout the structure. When there is concentrated loading on the structure, there is minimum deflection and the load is always transferred vertically on the load cells. This results in highly accurate weighment.

Afterwards the complete structure undergoes through a pre-treatment process and double painted by an anti-corrosive epoxy based primer on all sides.

## Features

- Closed Orthotropic Beams
- Superior Paint
- Designing & Testing
- Superior Quality Material
- Fast & Easy installation
- No Corrosion
- Suitable for very heavy loads per axle

## Available Sizes

S.no.	Platform Size (m)	Capacity (t)
1	5.0 x 3.0	40
2	7.5 x 3.0	60
3	9.0 x 3.0	80
4	12.0 x 3.0	80
5	14.0 x 3.0	100
6	15.0 x 3.0	100
7	16.0 x 3.0	100
8	18.0 x 3.0	150
9	24.0 x 3.0	200

**Note: Customized sizes and capacities are also offered as per requirement.**

### Applications:

Road Weighbridge

Mining Scales

Very Heavy Axle Load Weighing



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