

NT31 - Pit Mounted Steel Weighbridge



Pit mounted steel weighbridge, ideal for applications with heavy traffic and limited space. An optimized, rigid design, with an impressive life span.

Strength & Durability - Design specifications and high quality materials make the NT31 a reliable weighing solution for demanding applications with frequent use and high levels of concentrated loads.

Versatile - Constructed in standard sizes (Length: 6 to 18m and Width: 3m) it can be also manufactured in different sizes and be accompanied with various options according to your special needs.

Transversal Crossing - The main advantage of the weighbridge is the ability to provide transversal crossing of the platform, due to its reinforced middle section. This feature is valuable for sites with limited space.

Modular - The modules (drive sections) are connected across with connective beams for an easier transportation and assembly on the weighbridge site.

Easy Service & Maintenance - Practical access to the load cells and junction boxes through the removable top covers. Easy access to the pit via the manholes on the top of the platform.

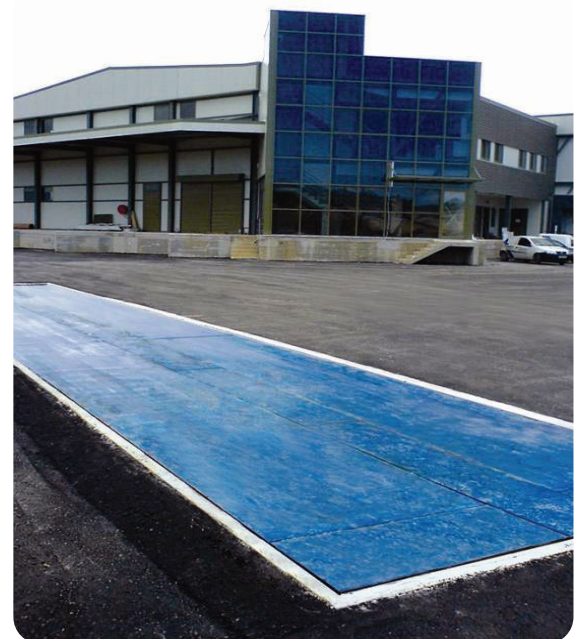
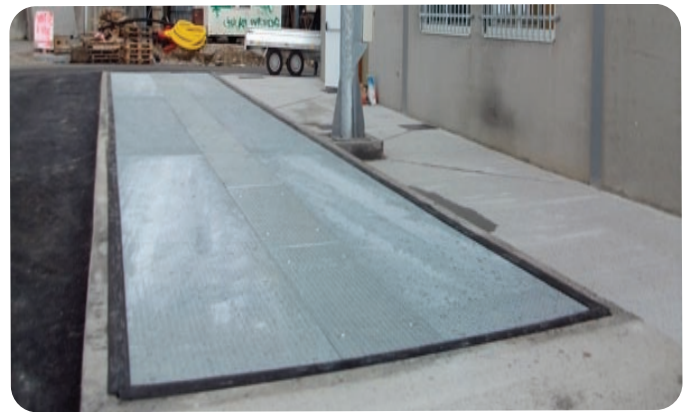
Finite Element Analysis - Our structural design team incorporates the latest of Finite Element Analysis (FEA) technology. The optimum and robust weighbridge design achieved, ensures high durability and accurate functionality during operation.

International Approvals - All our products are OIML & EU-type approved.

Applications - Perfectly befitting sites with limited space, ports and terminals, logistic operations, recycling sites and a plentitude of other applications.

Additional/Optional Features

- Concrete foundation to be casted on site, according to Leon Engineering drawings.
- Pre-fabricated concrete foundation available (pit walls or entire pit).
- Galvanized version.
- Heavy duty version (DIN1072).



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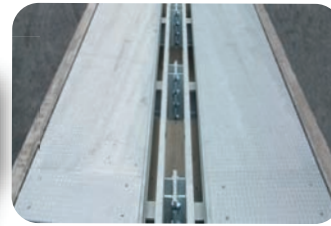


Transportable Modules

The modules can be unloaded and carried with a 5T forklift without the need of cranes and other heavy equipment and then placed inside the pit on which the weighbridge will be installed.

Practical Installation

The installation can be easily performed, since the drive modules of the weighbridge can be assembled and bolted together with common tools.



Anti-slip chequered top plate.

Model	L (m)	W (m)	Type	Profile (mm)	No of Load cells	Deck Plate Thickness (mm)	Loading Capacity (Tn/Axle)	Indicative Capacity (Tn)
NT31 IPE 360	6	3	pit	420	4	6	10	30
NT31 IPE 270	9	3	pit	330	6	6	15	40
NT31 IPE 360	12	3	pit	420	6	6	10	40
NT31 IPE 270	14	3	pit	330	8	6	15	50
NT31 IPE 360	15	3	pit	420	8	6	13	50
NT31 IPE 360	16	3	pit	420	8	6	12	60
NT31 IPE 360	18	3	pit	420	8	6	10	60
NT31 IPE 360	18	3	pit	420	8	8	12	70
NT31 IPE 270	18	3	pit	330	10	6	15	80
NT31 IPE 270	18	3	pit	330	10	8	16	90
NT31 IPE 360	18	3	pit	420	10	10	20	>100

Optional Equipment

Prefabricated Pit Walls or Foundation

Pre-fabricated concrete pit walls (a) or pit foundations with stripes (b) are an optional feature of NT31 pit mounted weighbridges. With these options, the installation time is lessened remarkably.



(a)



(b)

Weighing Indicators

Leon Engineering offers a wide range of digital indicators that are easy to operate and can be used in a variety of applications, from simple weighing to complex data manipulation.



Analogue or Digital Load cells

Leon Engineering markets OIML & NTEP approved load cells that ensure reliability and accurate weighing, either in analogue or digital weighbridge configurations.