



TRUCKMATE®

Concrete Deck

Truck Scales

**Built to Perform
Better and Longer**

METTLER TOLEDO

A graphic element consisting of several parallel, slightly curved lines in shades of green and blue, forming a stylized arrow or checkmark shape that points towards the right.

Concrete Deck Provides Long Life and Reliable Service



Concrete deck scales can be installed above ground or in a pit.

METTLER TOLEDO concrete deck truck scales feature a composite structure of concrete and steel for exceptional strength and durability.

- Rugged and durable weighbridge construction.
- Available with DigiTOL® load cells, a patented technology with proven performance. More than 500,000 in service worldwide.
- Models available to match size of vehicles and weighments per day.
- No welds in high-stress areas.
- Entire module is shot blasted prior to finishing, for protection even in the harshest environments.
- Modules are tested on our load simulator for millions of cycles to simulate years of use and guarantee durability.

Weighbridge

TRUCKMATE concrete deck truck scales are designed to give you the years of reliable service that you expect from METTLER TOLEDO. The weighbridge has a composite structure of concrete and steel that uses each material to its best advantage, concrete in compression and steel in tension.

Our commercial-duty scales feature a steel bottom pan with reinforcing L-beams. Our cycle-duty scales feature a steel framework reinforced by orthotropic ribs. An orthotropic rib design is more durable than typical truck scale designs. It does a better job of distributing concentrated loads over a large surface area, and it has no welds along the bottom of the ribs, where they would be susceptible to fatigue.

Engineering

Each design undergoes three analysis techniques. The first step is theoretical evaluation of the structure through calculations. The second step is finite element analysis to simulate stress levels in real-world applications. The third step is testing full-size modules in our tandem axle load simulator, where they are loaded for millions of weighments. That simulates years of use at above-average traffic rates and loads.

Construction

Precision assembly robots and fixtures ensure that every module is fabricated to the highest manufacturing standard, each and every time. Completed modules are shot blasted and painted in our factory to give them a durable, long-lasting finish. Our pour-in-place design can be installed quickly and easily by our factory-trained technicians.



MTX load cells are a second-generation DigiTOL technology.

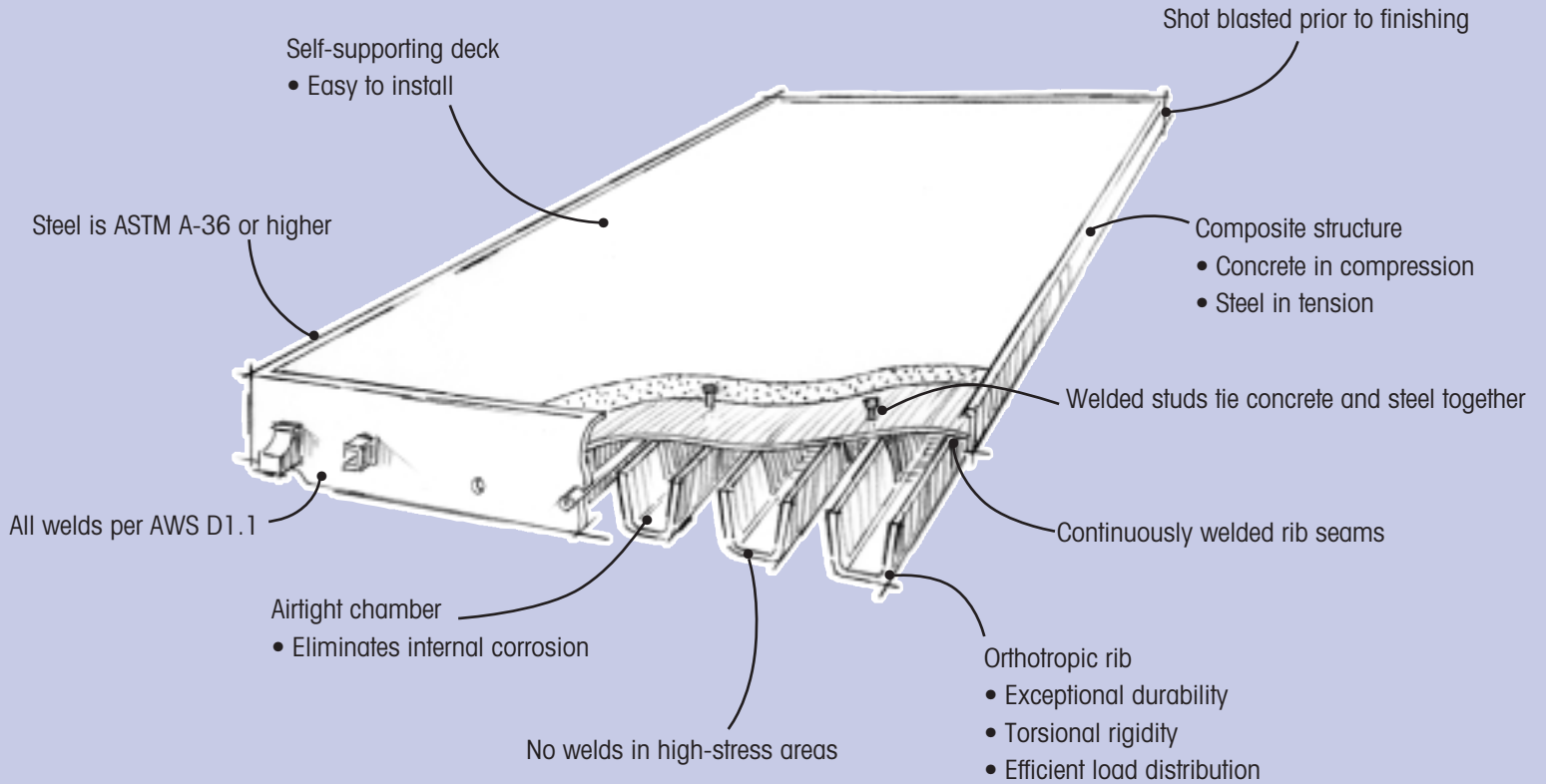


Tandem axle load simulator tests the weighbridge design with millions of weighments.

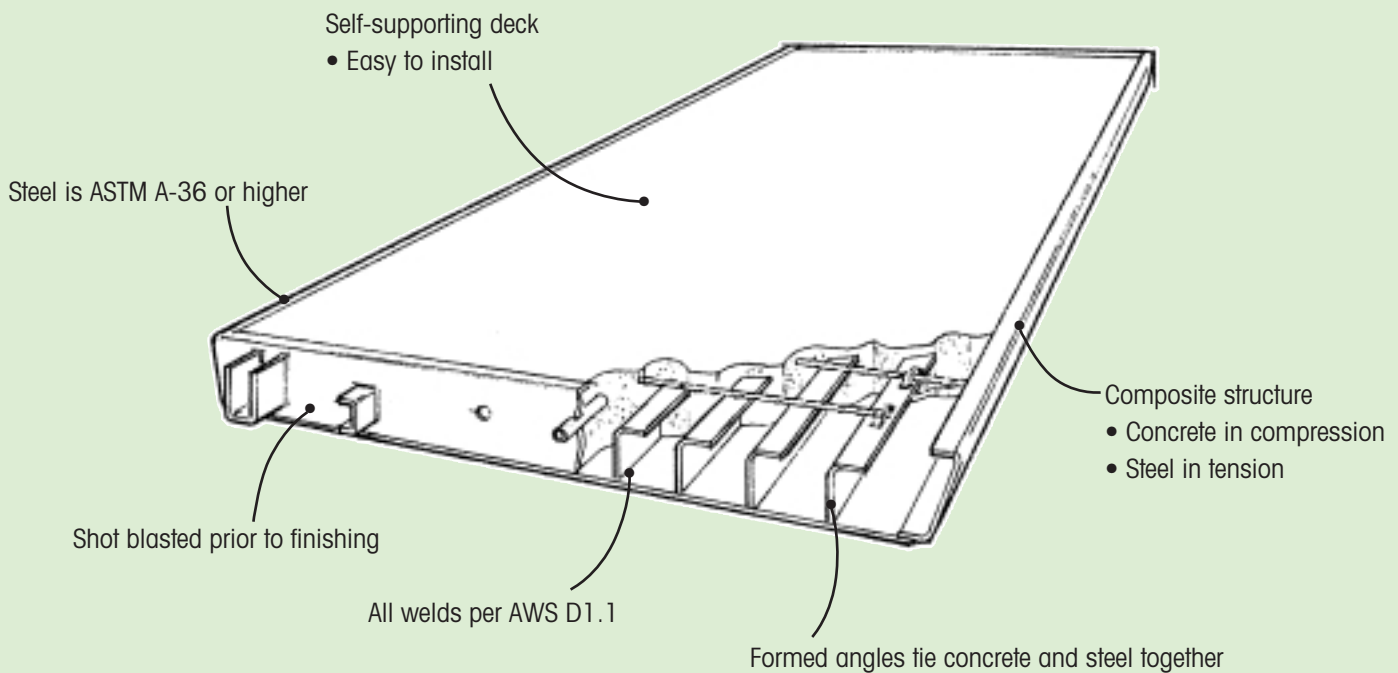


Modules are robotically welded.

VTC210 Module



7460/7560 Module



Over-The-Road Concrete Deck Product Matrix

Model	Profile	Width	Length	CLC	Capacity	Cell Type	Duty Cycle	NTEP CC #
7460	11.5"	10' or 11'	10' to 160'	60,000 lb	200,000 lb*	30t Analog	Commercial	03-025
7560	11.5"	10' or 11'	10' to 160'	60,000 lb	200,000 lb*	22.5t POWERCELL	Commercial	88-243A4
VTC210	16"	10', 11' or 11' 10"	10' to 160'	80,000 lb	200,000 lb**	45t MTX	Cycle	04-043

*Scales ≤ 17' 6" will have a capacity of 70,000 lb; scales > 17' 6" but < 60' will have a capacity of 120,000 lb.

**Scales ≤ 23' 4" will have a capacity of 120,000 lb.

Concrete Deck Product Options

- Multi-axle configurations
- Side rails
- Manholes for pit installations
- Lightning protection systems
- Scoreboards
- Vehicle scale software
- Extended warranties



Side rails help guide vehicles onto a scale.

For questions about concrete deck truck scales and technical matters, call your authorized METTLER TOLEDO distributor or visit our website: www.mt.com.



High-visibility scoreboards.



Lightning protection systems withstand electrical surges that can do costly damage to unprotected scales.

Produced in a facility that is



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