

**Emery
Winslow®**

Genesis II

LOW PROFILE TRUCK SCALE
MONOLITHIC CONCRETE DECK

Hydrostatic Load Cells: Lifetime Guarantee



GENESIS II

A new generation of concrete deck truck scale, designed for the most demanding applications. **GENESIS II** is designed as a single, monolithic deck of reinforced concrete, with no electronics under the platform. The result is a scale of tremendous strength, durability and reliability with a **TEN-YEAR WARRANTY**.

The heart of the **GENESIS II** is the **Hydrostatic load cell**. NTEP certified for performance and accuracy, this load cell is immune to environmental factors that destroy electronic cells. Hydrostatic load cells have a **LIFETIME GUARANTEE** against damage from water, power surges, and even lightning.



- **LOW PROFILE**
- **CONCRETE DECK**
- **LEGAL FOR TRADE**
- **MAXIMUM RELIABILITY**

**LIFETIME GUARANTEE AGAINST WATER AND LIGHTNING DAMAGE
ON ALL HYDROSTATIC LOAD CELLS.**

Genesis II *features and specifications*

MASSIVE CONCRETE DECK

The Genesis II deck is a monolithic pour of reinforced concrete, 10 inches thick. It is assembled at the job site, and poured on a foundation that has been prepared with bond-breaker. After curing, the deck is raised with small jacks, and the load cells are installed. **The Genesis deck is designed for high usage and millions of weighments. ALL vulnerable electronic components are remote from the scale platform, safely located in the scale house.**

The deck has a free-floating (360°) bridge design, for high accuracy and has a low 16-inch profile with a full six-inches of clearance under the deck for easy clean-out. Higher clearances are available. The load cells are accessed from the top, and the platform is totally safe for explosive areas. Standard decks are 10 feet and 11 feet wide, and up to 180 feet or more in total length. (Multiple platforms may be needed for scales over certain lengths.)



Deck assembly begins with side channels, steel nests and rebar.



A double layer of rebar is completed.



The deck concrete is poured, vibrated, and screeded.



The load cells are installed, and the deck is raised 6 inches.

HYDROSTATIC LOAD CELL ADVANTAGES

- Totally non-electronic for maximum reliability.
- NTEP certified for accuracy and performance.
- Guaranteed against damage from power surges and lightning.
- Guaranteed against damage from water, flooding, humidity, condensation, washdown.
- Hydrostatic cells are impervious to RFI and EMI.
- High capacity: 75,000 pounds each.
- Free-floating column with self restoration, designed to absorb energy from truck motion on the scale.
- Grade 304 stainless steel, welded construction.
- High corrosion resistance.
- Impervious to rodent damage (no cables!).
- Will fit into ocean container for export shipping.
- Totally safe for all explosive areas, including Class 1 Division 1, without barriers.



High-performance Model 136 Load Cell, with a capacity of 75,000 lbs. Grade 304 stainless steel construction.

STANDARD PACKAGE INCLUDES:

- Model 136-75 Load Cells.
- Summing Totalizer with Lightning isolation.
- Load cell base plates.
- All required deck steel, including deck rebar.
- End-wall coping (Bulkheads).
- Anchor bolts.
- Copper tubing, brass fittings.
- Tools, fluid, instructions.

A wide variety of digital indicators and printers can be added to this package, as well as computer interfaces, traffic controls, and software. Emery Winslow has a network of authorized distributors to provide nationwide sales and service.

OPTIONS

- Other deck widths and lengths.
- Digital indicators and printers.
- Multi-platform configurations for axle weighing.
- Traffic lights and controls.
- Software for data management.
- Stainless steel tubing.
- Enclosures for Totalizer.
- Special paint or galvanizing.
- Pit-mounting packages.
- Installation/start-up assistance.
- Export packing.
- Higher clearance beneath scale deck.

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