

WEIGH-TRONIX



Railweight Track Scale

Railweight – Railroad Track Scale

The Railweight Scale system is a modular, low profile railroad track scale designed for above ground installation. The pitless design complies with AREA Cooper E 80 loading

Features and benefits

Low installation cost – The pitless design minimizes the amount of excavation required simplifying construction.

Simple pitless design – Just 16 anchors in weighbridge foundation. Above grade installation ensures good ventilation, eliminates the need for sump pumps and reduces corrosion.

Modular – A single module has a weigh rail length of 12'6" (3.8 m). Two modules give a weigh rail length of 26' (7.92 m). Standard combinations available are: Single-Single, Single-Double, or Double-Double. Standard version with exposed rail or flush deck version available.

Extra capacity shear beam load cells – 125,000 lb, NTEP approved, double ended shear beams provide 20% more capacity.

Side load eliminated – Self aligning, rocker pin assembly eliminates side loading of the load cells and ensures consistent load application to the load cells.

Specifications

Model No.	Live Rail Length		Combined Nominal Cap.
	1st Module	2nd Module	
RPL 12	12'6"	none	85 Ton
RPL 12-12	12'6"	12'6"	170 Ton
RPL 12-26	12'6"	26'	200 Ton
RPL 26-26	26'	26'	230 Ton

Sectional capacity: 85 Tons

Design rating: AREA
AREA Cooper E-80 loading

Load cells: 125,000 lb capacity (each)
Double ended shear beams

Approvals:

Legal for Trade: NTEP Class IIIIL at 8,000 divisions
Certificate of Conformance #96-071

and NIST H44 requirements for commercial weighing. With a low profile design the amount of excavation required is minimal providing a lower installation cost compared with traditional deep pit design.

Low maintenance – All nuts and bolts are accessible without removing the weighbridge. Load cells are mounted to the main beams keeping mounting bolts away from dirt and moisture.

Rigid checking – Heavy duty checking system stabilizes the scale and reduces wear or damage that can be caused by excessive weighbridge movement. It also reduces stability problems associated with weighing liquids.

Higher dead load – The concrete filled weighbridge increases the preload on the load cells and provides a non-slip surface between rails.

Accommodates different sizes – Heavy duty, two part, adjustable rail clips accommodate both 115 lb and 132 lb rails providing convenient and precise rail alignment.

Load cell protection – Steel covers protect load cells from accidental damage and environment.

Options

- Rail plates, rail clips, cuts, bolts, washers and anti-creep bars for approaches and intermediate section.
- Weight indicators
- Scoreboard displays
- Anti-sloshing software for rapid weighing tank cars
- Surge voltage protection
- Printers
- Cut off controls



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