



# CENTURION-DT TRUCK SCALE



The Centurion from B-TEK Scales is the only scale of its kind available in North America. The Centurion offers the latest digital technology in a unique, money-saving modular design. Utilizing 12' and 24' modules in scales up to 120' and backed by an industry leading 5-year "End-wall to End-wall" warranty, the Centurion is poised to revolutionize the truck scale market. Available in steel deck or concrete deck.

## Features and Specifications

- 100,000# CLC - Concentrated Load Capacity
- 100 ton gross capacity
- Stainless steel 75,000 CPD-M compression column rocker pin digital load cells
- D410 Dialogik digital weight indicator with every scale
  - Internal calibration and diagnostics for CPD-M digital load cells
  - Truck in/out program
  - Programmable tare
  - Multiple tare memories
  - Programmable display
- TM-295 ticket printer included with every scale
- 3/8" diamond safety-plate steel deck (welded)
- NEMA 4X/IP68 junction box
- Stainless steel sheathed load cell cables
- Inspection plates ensure easy access to load cells and facilitates cleaning operations
- Bumper checking system minimizes movement to extend the life of the scale
- All structural steel is shot-blasted to commercial blast spec SSPC-6
- High performance coatings include an epoxy/polyurethane system or galvanized steel as standard offerings
- The Centurion may be shipped in factory-assembled modules or in a bolt-together configuration to reduce shipping costs
- 5-year "End-wall to End-wall" warranty



### Quad-Beam Modular Weighbridge

Each scale module is built in a fully rotatable fixture to ensure proper fit and finish. Rotation of the scale module during assembly ensures uniform and proper welds. The Centurion-DT Motor Truck Scale utilizes 3/8" tread plate decking for increased durability and strength. The Centurion-DT's unique Quad-Beam modular weighbridge is field proven. More than 10,000 Quad-Beam modular weighbridges are installed worldwide.

### Full Access Cover Plates

The Centurion-DT's modular weighbridge features full-width sectional and center cover plates. These cover plates allow for top access to the weighbridge load cells. Unencumbered top access to the load cells makes serviceability easier. Top access design also allows the Centurion-DT to be installed in shallow or deep pits without modifying the standard design. These removable cover plates ease the time and effort required to inspect or clean the weighbridge and foundation. Compared with other scales where cleaning is more difficult, B-TEK's removable cover plates allow for the easy removal of dirt and foreign matter preventing weighbridge binding and winter freeze-ups.

### Steel Preparation / Paint System

The Centurion-DT's weighbridge structures are cleaned to SSPC-SP6 specifications. The Centurion-DT Motor Truck Scale is painted in a two-stage process to ensure a durable long lasting finish. The weighbridge is first covered with a two-part epoxy primer with a build of 2-4 mils. The primer is specially formulated for bare metal adhesion and rust protection. The second coat consists of a two-part polyurethane paint with a build of 2-4 mils. The polyurethane finish provides good chemical protection and will resist chalking and fading over time. Centurion-DT weighbridges are also available with a hot dip galvanized finish.

### End-Wall Clearance

The Centurion-DT's weighbridge design features the load cells positioned 10" from the end-wall. The positioning prevents normal dirt and debris build-up at the end-walls from interfering with normal scale operation. The weighbridge also has no vertical end-plate next to the concrete approach end-wall, thus no ice or debris can bind the scale movement.

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## Standard Sizes

12' x 11'	12' x 12'	24' x 11'	24' x 12'
36' x 11'	36' x 12'	48' x 11'	48' x 12'
60' x 11'	60' x 12'	72' x 11'	72' x 12'
84' x 11'	84' x 12'	96' x 11'	96' x 12'
108' x 11'	108' x 12'	120' x 11'	120' x 12'

## Options

Available options include all B-TEK Scales standard motor truck scale accessories including: sight rails, LED scoreboards, traffic lights, and a variety of electronic peripheral devices.

Standard Specifications	B-TEK Centurion-DT steel deck	B-TEK Centurion-DT concrete deck
Width	10' 14'	10' 14'
Concentrated Load Capacity (CLC)	100,000 lbs	100,000 lbs
Deck Height	16"	16"
Weighbridge Decking	3/8" Tread Plate	8" Concrete Deck
Weighbridge End Plates	3/4" Fixture Welded Smooth Plate	3/4" Fixture Welded Smooth Plate
End-Wall - Load Cell Distance	10"	10"
Structural Beams	10"	10" & 8"
Load Cell Access	Large Top Access Cover Plates	Large Top Access Cover Plates
Steel Beam Preparation	Shot Blast Cleaned to SSPC-SP6	Shot Blast Cleaned to SSPC-SP6
Paint System	Two-Part Epoxy Primer Two-Part Polyurethane Top Coat	Two-Part Epoxy Primer Two-Part Polyurethane Top Coat
Foundation Access - Cleaning/Inspect	Center and Sectional Cover Plates	Sectional Cover Plates
Load Cell Capacity / Type	75,000 lbs / Digital Compression Column	75,000 lbs / Digital Compression Column
Load Cell Material / Sealing / IP Rating	Stainless / Hermetically Sealed / IP68	Stainless / Hermetically Sealed / IP68
Load Cell Output	RS-485 Direct Digital Output	RS-485 Direct Digital Output
Load Cell Cable	Removable Polymer Coated Stainless Steel Sheathed Cable	Removable Polymer Coated Stainless Steel Sheathed Cable
Load Cell Gathering Box	Stainless Steel NEMA 4X Metal Cable Strain Reliefs	Stainless Steel NEMA 4X Metal Cable Strain Reliefs
Gathering Card	8-Cell Passive Gathering Card No Adjustment Pots Needed	8-Cell Passive Gathering Card No Adjustment Pots Needed
Indicator	B-TEK Digital Indicator Included	B-TEK Digital Indicator Included
Printer	TM-U295 Ticket Printer Included	TM-U295 Ticket Printer Included

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