



CENTURION-AT TRUCK SCALE



The Centurion-AT is standard with 3/8" steel or 8" concrete deck surface. Safety sight rail (shown) is an available option. The steel or concrete deck Centurion-AT weighbridge can be supplied with a hot dip galvanized finish for extreme corrosion protection.

Features and Specifications

- 100,000# CLC - Concentrated Load Capacity
- Scale Capacity up to 200,000 lbs.
- Stainless steel, hermetically sealed (IP68) construction 75K CPR analog compression-column load cell, 700 Ohm, 2 mV/V
- 3/8" tread plate decking - welded to Quad Beam weighbridge
- NEMA 4X FRP enclosure(s) and B-TEK 4-cell summing board with GDT surge protection
- Integrel stainless steel sheathed cable with clear polymer coating
- Inspection plates ensure easy access to load cells and facilitates cleaning operations
- CPR analog load cells utilize ground straps and base plate isolation disc Surge protection enhanced by Transtector DPS-8T AC line transient protection device
- 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-AT Motor Truck Scale utilizes 3/8" tread plate decking for increased durability and strength. The Centurion-AT's unique Quad-Beam modular weighbridge is field proven. More than 15,000 Quad-Beam modular weighbridges are installed worldwide.

Full Access Cover Plates

The Centurion-AT'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-AT 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-AT's weighbridge structures are cleaned to SSPC-SP6 specifications. The Centurion-AT 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-AT weighbridges are also available with a hot dip galvanized finish.

End-Wall Clearance

The Centurion-AT'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.

TREAD PLATE DECKING		
THICKNESS	LIBS. PER SQ. FT.	RATING
1/4"	11.26	Good
5/16"	13.81	Better
3/8"	16.37	Best
1/2"	21.47	Superior

Easy Access Cover Plates



Durable Paint System



End-Wall Clearance



Quad-Beam Design



CENTURION AT-TRUCK SCALE

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: indicators, printers, sight rails, LED scoreboards, traffic lights, and a variety of electronic peripheral devices.

Standard Specifications	B-TEK Centurion-AT steel deck	B-TEK Centurion-AT-CD 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 / Analog Compression Column	75,000 lbs / Analog Compression Column
Load Cell Material / Sealing / IP Rating	Stainless / Hermetically Sealed / IP68	Stainless / Hermetically Sealed / IP68
Load Cell Output	Analog - mV Output	Analog - mV Output
Load Cell Cable	Integral Polymer Coated Stainless Steel Sheathed Cable	Integral Polymer Coated Stainless Steel Sheathed Cable
Load Cell Summing Box	Fiberglass Reinforced Plastic NEMA 4 Protection	Fiberglass Reinforced Plastic NEMA 4 Protection
Summing Board	4-Cell Summing Boards With GDT Surge Protection Devices	4-Cell Summing Boards With GDT Surge Protection Devices
Indicator	B-TEK Dialogik Indicator (Optional)	B-TEK Dialogik Indicator (Optional)
Printer	Ticket Printer (Optional)	Ticket Printer (Optional)

WWW.B-TEK.COM

1510 METRIC AVE. SW CANTON, OHIO 44706

PHONE NUMBER: 330.471.8900

TOLL FREE NUMBER: 800.266.8900

FAX NUMBER: 330.471.8909

