

# MEASURES UP

>> When comparing other truck scales, make sure they measure up to Centurion-AT's ultra heavy duty 100,000 lb. concentrated load capacity, precision stainless steel load cells and exceptional protective paint system. Compare, and see for yourself!

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)

THE B-TEK WARRANTY	B-TEK Centurion-AT steel deck	B-TEK Centurion-AT-CD concrete deck
Weighbridge Steel	5 Years	5 Years
Load Cells	5 Years*	5 Years*
Indicator	Optional	Optional
Lightning Damage Coverage	5 Years* - Load Cells & Summing Boards	5 Years* - Load Cells & Summing Boards
Labor & Travel For Warranty Service	Available With Centurion-DT**	Available With Centurion-DT**

\*\* Ask your B-TEK representative about the warranty advantages of the Centurion-DT.

\* See the detailed warranty document for requirements, limits and restrictions.

>> unmatched

# EXCELLENCE

B-TEK manufactures a full line of truck scales, rail scales, and floor scales, as well as other industrial scales and weighing equipment. Because of B-TEK's wide range of options and materials, we are a leading provider of scales for industrial applications.

**Experience.** B-TEK Scales has a proud history that reaches back further than its 1994 inception. With multi-generational trade experience, the B-TEK team brings over 75 years of industry know-how to the table. That long-term knowledge of the weighing industry enables B-TEK Scales to focus on bringing new and innovative solutions to our truck scale customers.

**Technology.** In 2003, to continually improve the technology B-TEK Scales offers its customers, B-TEK announced a joint venture with the Bilanciai Group of Modena, Italy, who manufactures more than 2,200 motor truck scales per year, worldwide. Bilanciai Group's advanced manufacturing techniques and scale technologies, in conjunction with B-TEK Scales' outstanding truck scale product lines, yields many advantages that B-TEK's competitors can't offer. The B-TEK and Bilanciai joint venture is headquartered in Canton, Ohio USA.

**Extensive Product Line.** B-TEK Scales offers an extensive line of eight styles of motor truck scales spanning across all industry applications. From agricultural to industrial and steel, coal and aggregate applications, B-TEK Scales offers a variety of scale solutions for a wide range of budgets and requirements. B-TEK Scales has the ability to manufacture full electronic digital, analog and electro-mechanical motor truck scales.

**Customization.** B-TEK is proud to be known for its ability to manufacture custom scale platforms. From non-standard sizes to retrofitted components, B-TEK's commitment to quality and service will deliver a product that fits seamlessly within our customers' current configurations.



# CENTURION-AT

Your local B-TEK distributor:



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# CENTURION-AT



• CPR-M Analog Load Cell

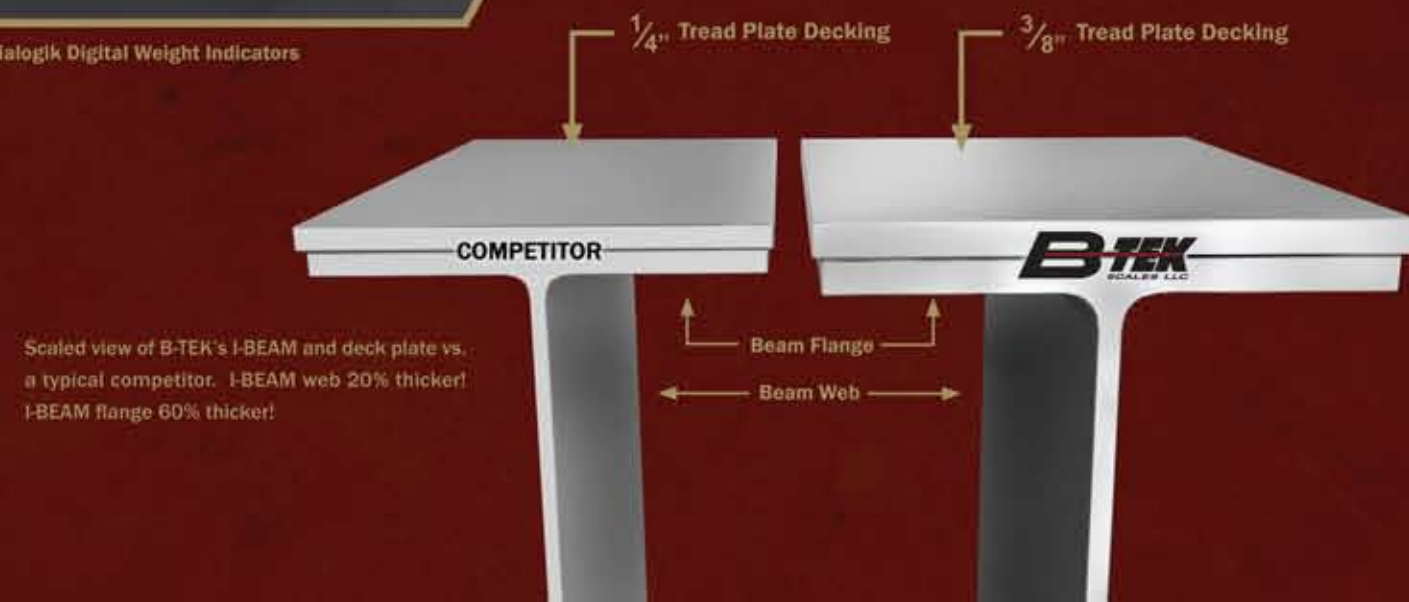
**Durability.** B-TEK's Centurion-AT uses thicker, heavier deck plate that will resist wear and last longer. A simple design concept often missing from other suppliers' truck scales. A truck scales' decking is a wear surface, the more trucks per day, the greater the surface erosion. B-TEK's Centurion-AT weighbridge is built standard with 3/8" decking that is 50% thicker and 45% heavier per sq/ft than other suppliers' 1/4" weighbridge decking.

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



• Dialogk Digital Weight Indicators

**Strength.** B-TEK's Centurion-AT uses wider, thicker, and heavier I-BEAMS for superior weighbridge strength. Rust and corrosion are usually the root cause of structural failure in truck scale weighbridges with thin I-BEAMS. Doesn't it make sense to choose a truck scale with heavy I-BEAMS?



Scaled view of B-TEK's I-BEAM and deck plate vs. a typical competitor. I-BEAM web 20% thicker! I-BEAM flange 60% thicker!

# IN A CLASS ALL ITS OWN

>> The Centurion-AT offers unmatched benefits, superior quality components and a fit and finish unsurpassed in the truck scale marketplace.



### Lightning / Surge Voltage Protection

B-TEK offers the most complete and comprehensive Lightning / Surge Voltage Protection system in the industry. It includes 5-year coverage on the Centurion-AT analog CPR load cells and summing boards.

Upgrade to a B-TEK Centurion-DT complete digital truck scale system and the warranty coverage increases. The 5-year warranty covers the CPD-M digital load cells, included indicator and gathering card.

### Superior Quality Components Throughout

The CPR load cells, as well as all the fastening hardware included with the Centurion-AT are stainless steel. Load cell alignment and shim plates are galvanized steel for protection against corrosion. A comprehensive grounding system includes flexible braided copper bypass straps and a non-metallic isolation disc for each load cell.

### Centurion-AT OPTIONS ▲

The Centurion-AT is standard with 3/8" steel or 8" concrete deck surface. Safety "sight rail" (shown) is optionally available. The steel or concrete deck Centurion-AT weighbridge can be supplied with a hot dip galvanized finish for extreme corrosion protection. The Centurion is also available with CPD-M digital load cells for the ultimate in system accuracy and long term calibration stability.

B-TEK specializes in custom engineering and fabrication of the Centurion for unique and retrofit applications.

### Easy Access Cover Plates



### Durable Paint System



### End-Wall Clearance



### Quad-Beam Design



### 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.