



# SteelBridge XT

## Steel Deck Truck Scale

*Technical Specification*

### General

- The SteelBridge XT is a true heavyweight in the industry. It is a premium scale engineered to thrive on heavy, frequent, day-to-day use. The extra-rugged design and construction means structural integrity will be maintained, even after many years of heavy use. With a 15-year weighbridge warranty, you can be sure the SteelBridge XT will be operating long after the competitor's scale has worn out.

### Features & Benefits

FEATURES	BENEFITS
Gross Capacity	With capacities up to 135 tons, this scale can handle a wide range of trucks and configurations.
Platform Lengths	Platform lengths ranging from 10' to 150'; assuring the right size for any application.
Platform Widths	Choose from 10', 11', and 12' wide platforms to assure the right fit for any application.
Concentrated Load Capacity (CLC)	At 45 tons, the SteelBridge XT Steel Deck Truck Scale is comparable to other product costing thousands more.
Dual Tandem Axle Rating (DTA)	At 90,000 lbs, the SteelBridge XT Steel Deck Truck Scale provides the highest Dual Tandem Axle Rating in its class.
"r" Factor	With an "r" Factor of 2.65, the SteelBridge XT is over twice the legal highway load limit of 34,000 lbs.
Module Size	At 10', 12', 20' and 23.5' the SteelBridge uses fewer load sensors, only 8 on a typical 70' scale, compared to 10 or more on competitive models.
Weighbridge Thickness	At only 10.5" thick, the SteelBridge XT Steel Deck Truck Scale provides a low-profile, compact and structurally superior design.
Profile	At 14", the compact, efficient design of the SteelBridge minimizes approach and exit requirements, yet provides the user total confidence in integrity of the Weighbridge. Convenient risers are available to increase under scale clearance.
Full Electronic Design	Avery Weigh-Tronix has been an unsurpassed leader in utilizing state of the art technology in virtually every aspect of truck scale design.
Factory Assembled	Minimizes installation time and costs. Insures consistent product quality.
Weighbridge Design	An outstanding weighbridge design that includes a sandwich steel deck design which reduces the weight of the deck, yet increases the strength of the scale. This superior design also seals the deck structure from the elements which can reduce the life of the scale. The sandwich design uses 13 longitudinal I-beams parallel to traffic flow for maximum strength. 3/8" checkered steel tread plate provides superior traction and long deck life. The sandwich steel deck design of the SteelBridge XT Steel Deck Truck Scale increases the life and strength of the scale which comparable truck scales cannot compete with.
Corrosion Protection	All steel surfaces are sandblasted to SSPC 6 industry standards. A high-quality, industrial grade urethane primer is applied, followed by a final coat of acrylic polyurethane. Galvanizing is available.
Module Installation	Grout plates are not needed. The drilled in anchor bolts mean simple, low cost installation.
Weigh Bars®	Capacity of 75,000 lbs for each sensor, with 200% overload safety factor.
Weigh Bar Performance	Impervious to end, side and torque loading conditions, that can destroy conventional load cells.
Weigh Bar Design	Produced from high-quality aircraft alloy steel bar stock, that has been heat treated, quenched and tempered to resist corrosion. Better repeatability and less hysteresis than stainless steel.
Weigh Bar Reliability	Failure rate of only 0.31% compared with a national average of 3 to 5% for conventional load cells.
Weigh Bar Protection	Extremely resistant to surge voltage or lightning related problems. Strain gauges are sealed against moisture or corrosive elements.
Weigh Bar Cabling	Stainless steel jacketed cables in factory installed conduit runs.
Weigh Bar Self-Checking	Rugged Easi-Post™ stainless steel suspension and self-checking design absorbs shocks and sudden stopping and starting of vehicles on scale. No check rods or bumper plates required.
NEMA 4 Stainless Steel Junction Box	Compact, all stainless steel junction and summation boxes with connector-less cables for elimination of moisture or condensation related problems.



# SteelBridge XT – Steel Deck Truck Scale



### E1310 Indicator

The E1310 Indicator with truck scale In/Out software application simplifies vehicle weighing. Track up to 250 different open transactions and store up to 1,000 completed transactions. You can also store up to 500 tare weights.

### Guide Rails And Posts

Extreme-duty guide rails are bolted in place to provide a strong, attractive barrier against accidental drive-offs. Tubing is gentle on truck wheels and is offset to allow full use of deck.



### Manhole

Provides easy access in pit installations. Reinforced 2' x 2' manhole includes a heavy duty cover to maintain weighbridge integrity.



### Unattended Systems

Allows 24/7 scale availability. Can be customized with several hardware options such as loop detectors, ID readers, video surveillance, traffic lights, and wireless communication.

### Approvals

NTEP  
Cert. Of Conf. #98-040

### Warranty

5 years - Weigh Bars  
15 years - Weighbridge Structure

## OPTIONS & ACCESSORIES

- Unattended Control Systems
- Remote Displays
- Grain Dump Modules
- Guide Rails
- Printers
- Galvanized Finish
- Guard Posts
- Pre-Fab Foundations
- MI-Payload, Measurement Intelligence Software
- Manhole Rings and Covers
- Hazardous Area Systems
- SensorComm™ Digital Junction Box System
- Indicators
- Multi-Platform Systems for Axle Weighing

NOMINAL PLATFORM LENGTH (feet)	MODULES	WEIGH BARS	GROSS CAPACITY (tons)
10	1	4	45
12	1	4	45
20	1	4	45
24	1	4	45
30	2	6	90
35	2	6	90
40	2	6	90
47	2	6	90
60	3	8	135
70	3	8	135
80	4	10	135
93	4	10	135
100	5	12	135
116	5	12	135

All platform lengths are available in a choice of widths:  
**9'10.5" 11' 12' 13' 14'**

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