



# STEELBRIDGE XT

Steel Deck  
Truck Scale  
(IMXT)

*Technical Specification*

## DESCRIPTION

The SteelBridge XT (IMXT) 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 IMXT will be operating long after the competitor's scale has worn out. It features extra heavy steel components that are 100% welded together throughout the structure.

## SPECIFICATIONS

FEATURES	BENEFITS
<b>Gross Capacity</b>	With capacities up to 135 tons, this scale can handle a wide range of trucks and configurations.
<b>Platform Lengths</b>	Platform lengths ranging from 10' to 150'; assuring the right size for any application.
<b>Platform Widths</b>	Choose from 10', 11', and 12' wide platforms to assure the right fit for any application.
<b>Concentrated Load Capacity (CLC)</b>	At 45 tons, the IMXT Steel Deck Truck Scale is comparable to other product costing thousands more.
<b>"r" Factor</b>	With an "r" Factor of 2.65, the IMXT can handle more than 2.5 times the legal highway load limit of 34,000 lbs.
<b>Module Size</b>	At 10', 12', 20' and 23.5' the IMXT uses fewer load sensors, only 8 on a typical 70' scale, compared to 10 or more on competitive models.
<b>Weighbridge Thickness</b>	At only 10.5" thick, the IMXT Steel Deck Truck Scale provides a low-profile, compact and structurally superior design.
<b>Elevation Profile</b>	At 14", the compact, efficient design of the IMXT 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..
<b>Full Electronic Design</b>	Avery Weigh-Tronix has been an unsurpassed leader in utilizing state of the art technology in virtually every aspect of truck scale design.
<b>Factory Assembled</b>	Minimizes installation time and costs. Insures consistent product quality.
<b>Weighbridge Design</b>	An outstanding weighbridge design that includes a sandwich steel deck with 100% welding throughout the structure. The second benefit of the sandwich design is it seals the deck structure from the elements which can reduce the life of the scale.
<b>Corrosion Protection</b>	All steel surfaces are commercial blast cleaned to SSPC 6 industry standards. A high performance, high solids, two component urethane primer is applied, followed by a final coat of high quality, heavy-duty polyurethane.
<b>Module Installation</b>	The absence of grout plates and the drilled in place anchor bolts mean simple, low cost installation.
<b>Weigh Bars®</b>	Capacity of 75,000 lbs for each sensor, with 200% overload safety factor.
<b>Weigh Bar Performance</b>	Impervious to end, side and torque loading conditions, that can destroy conventional load cells.
<b>Weigh Bar Design</b>	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.
<b>Weigh Bar Reliability</b>	Failure rate of only 0.31% compared with a national average of 3 to 5% for conventional load cells.
<b>Weigh Bar Protection</b>	Extremely resistant to surge voltage or lightning related problems. Strain gauges are sealed against moisture or corrosive elements.
<b>Weigh Bar Cabling</b>	Stainless steel jacketed cables in factory installed conduit runs.
<b>Easi-Post Self-Checking</b>	Rugged Easi-Post™ suspension with self-checking design absorbs shocks and vibration from sudden starting and stopping of vehicles on scale. All components are made with hardened, stainless steel material for outstanding strength, durability, and corrosion protection. No check rods or bumper plates required.
<b>NEMA 4X Stainless Steel Junction Box</b>	Compact, all stainless steel junction and summation boxes, with connector-less cables for elimination of moisture or condensation related problems. Includes Gore breather vent to equalize pressure inside and outside the box.



## ZM SERIES INDICATORS

The ZM Series Indicators are available with a wide range of features and functionality to match the needs of specific applications, from simple to complex. A truck scale In/Out software application provides tracking for open transactions and storage for completed transactions as well as tare weights.

### Approvals –

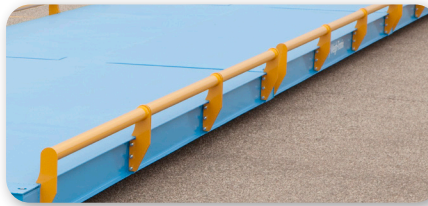
NTEP  
Cert. Of Conf. #98-040

### Warranty –

Weigh Bars - 5-year Standard, 10-year with Blue Blanket  
Weighbridge Structure - 15-years

## OPTIONS & ACCESSORIES

ZB210 Digital Junction Box  
Guide Rails  
Manhole Rings and Covers  
Multi-Platform Systems for Axle Weighing  
Grain Dump Modules  
Guard Posts  
Pre-Fab Foundations  
Indicators  
Remote Displays  
Printers  
ZM Kiosk Systems  
Hazardous Area Systems



## 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. Yellow paint is standard feature.



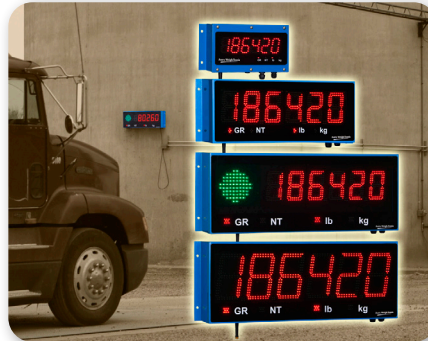
## MANHOLE

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.



## REMOTE DISPLAYS

These remote displays allow clear, comfortable viewing of scale information at considerable distances: indoors and outdoors. Popular options such as wireless RF connectivity and integrated traffic lights are available.

NOMINAL PLATFORM LENGTH (feet)	MODULES	WEIGH BARS	GROSS CAPACITY (tons)
10	1	4	50
12	1	4	50
20	1	4	50
24	1	4	50
30	2	6	100
35	2	6	100
40	2	6	100
47	2	6	100
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 standard widths:  
**9'10.5", 11', 12'**

# Avery Weigh-Tronix

[www.averyweigh-tronix.com](http://www.averyweigh-tronix.com)

Avery Weigh-Tronix is an ITW company



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