



STEELBRIDGE XT

Concrete Deck
Truck Scale
(FCXT)

Technical Specification



DESCRIPTION

The SteelBridge XT (FCXT) 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 FCXT will be operating long after the competitor's scale has worn out. It arrives at the job site fully assembled and ready for the concrete to be poured, so installation is fast and less expensive.

SPECIFICATIONS

FEATURES	BENEFITS
Gross Capacity	With a capacity up to 135 tons, this scale can handle a wide range of trucks and configurations.
Platform Lengths	Platform lengths from 10' to 150'; assuring each customer the right size for the application.
Platform Widths	Standard widths of 10', 11', 12' wide platforms to assure the right fit for any application.
Concentrated Load Capacity (CLC)	At 45 tons, the FCXT Truck Scale is comparable to other products costing thousands more.
"r" Factor	With an "r" Factor of 2.65, the FCXT can handle more than 2.5 times the legal highway load limit of 34,000 lb.
Module Size	At 10', 12', 20' and 23.5' the FCXT uses fewer load sensors; only 8 on a typical 70' scale, compared to 10 or more on competitive models.
Weighbridge Thickness	At only 10.25" thick, the FCXT provides a low-profile, compact and structurally superior design.
Elevation Profile	At 14", the compact, efficient design of the FCXT minimizes approach and exit requirements, yet provides the user total confidence in integrity of the Weighbridge. Additional under clearance is easily achieved with convenient base plate risers.
Full Electronic Design	Avery Weigh-Tronix has consistently been a leader in utilizing state of the art technology in virtually every aspect of their truck scale design.
Factory Assembled	Minimizes installation time and costs. Insures consistent product quality. No rebar or sheeting required.
Weighbridge Design	An outstanding weighbridge design, that includes a 5" field poured concrete deck, on top of a robust steel deck substructure. This superior design places the concrete in a compression application, above the neutral axis and the steel components in a tension application. The FCXT has more steel content than most competitive models.
Corrosion Protection	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.
Module Installation	The absence of grout plates and the drilled in place 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. Also provides 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.
Easi-Post Self-Checking	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.
NEMA 4X Stainless Steel Junction Box	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.



ZM305 INDICATOR

The ZM305 Series 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. Other instruments are available with a wide range of features and functionality.

Approvals –

Cert. Of Conf. #98-040

Warranty –

5 years - Weigh Bars

15 years - Weighbridge structure

OPTIONS & ACCESSORIES

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

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 widths:
9'-10.5', 11', 12', 13', 14'

Avery Weigh-Tronix

www.averyweigh-tronix.com

Avery Weigh-Tronix is an ITW company



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