

Cardinal®



ARMOR
TRUCK SCALES
GUARDIAN

HYDRAULIC LOAD CELLS

CONCRETE DECK

**IMPERVIOUS
HYDRAULIC
CONCRETE DECK
TRUCK SCALES
WITH THE LONGEST
LASTING
LOAD CELLS
AVAILABLE**

Cardinal®

THE MOST DEPENDABLE TRUCK SCALE YOU CAN BUY

SUPERB ACCURACY AND LONGEVITY IN HOSTILE ENVIRONMENTS



- *Pour-in-place concrete deck platform*
- *Models available for weighing sets of axles or entire trucks*
- *Impervious against lightning strikes and water damage*
- *Lifetime load cell warranty*
- *Low-profile or pit-type installations*
- *NTEP and Measurement Canada legal for trade*



BUILT TO STAND UP TO THE HARSHTEST ENVIRONMENTS

Cardinal Scale's ARMOR® truck scales with Guardian® hydraulic load cells are the smart choice for demanding applications like solid waste stations, quarries, grain elevators, chemical processing applications, and heavy construction.

Damage resulting from water, lightning and voltage surges, corrosion, rodents, shock loading, and extreme climatic conditions can dramatically increase the cost of ownership for your truck scale. Guardian® hydraulic load cells are covered under a true lifetime warranty against all of these issues protecting your investment.



TRUE LIFETIME LOAD CELL WARRANTY

Cardinal Scale manufactures their own stainless steel, IP68-rated, 75,000-lb-capacity Guardian® hydraulic load cells for their truck scales. These SST75 load cells carry a true lifetime warranty when installed in a Cardinal truck scale by an authorized Cardinal Scale dealer. They offer the highest level of protection possible against many of the conditions that adversely affect truck scales. Guardian® load cells can even operate fully submerged underwater!





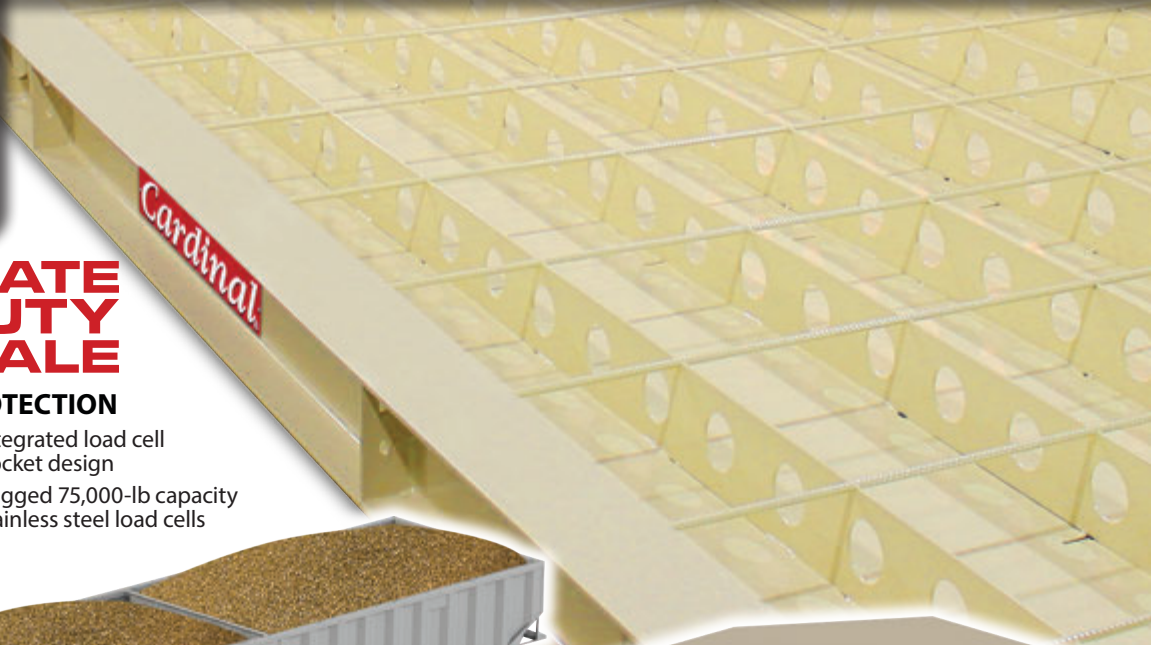
Cardinal Scale's ARMOR® truck scales with Guardian® hydraulic load cells come in a wide variety of standard models available (listed on the back page), plus custom-engineered designs.

POUR-IN-PLACE CONCRETE DECK TRUCK SCALES FOR LOW-PROFILE OR PIT INSTALLATIONS

EXCLUSIVE CON-LOCK DECKS

The ARMOR's exclusive CON-LOCK concrete deck design is field ready for the pouring of concrete and features an exclusive flow-through design that alleviates the need for any rebar to be installed in the weighbridge.

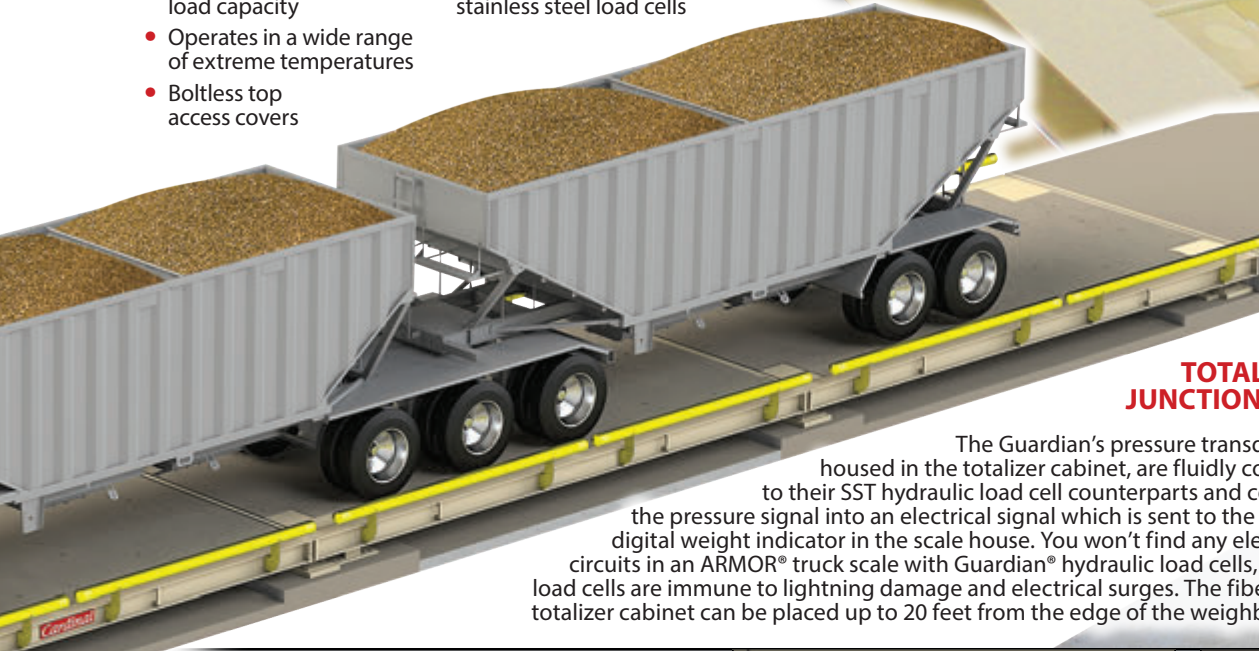
The structural steel is shot blasted to an SSPC-SP10 condition to remove rust and mill scale, then protected with a baked-on, heavy-duty polyester anticorrosion tan powder paint for the highest quality and durable finish.



THE ULTIMATE HEAVY-DUTY TRUCK SCALE

SEVERE-DUTY RATED PROTECTION

- Immune to lightning and water damage
- 100,000-lb concentrated load capacity
- Operates in a wide range of extreme temperatures
- Boltless top access covers
- Integrated load cell pocket design
- Rugged 75,000-lb capacity stainless steel load cells



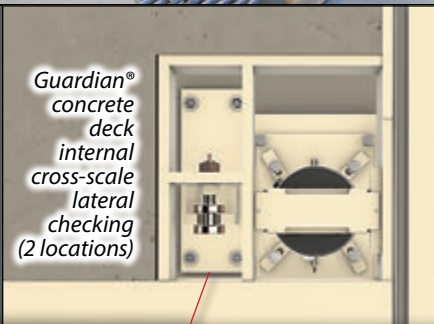
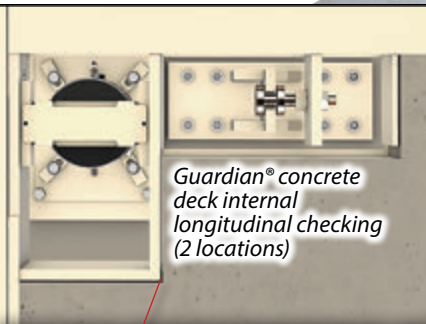
TOTALIZER JUNCTION BOX

The Guardian's pressure transducers, housed in the totalizer cabinet, are fluidly coupled to their SST hydraulic load cell counterparts and convert the pressure signal into an electrical signal which is sent to the scale's digital weight indicator in the scale house. You won't find any electrical circuits in an ARMOR® truck scale with Guardian® hydraulic load cells, so the load cells are immune to lightning damage and electrical surges. The fiberglass totalizer cabinet can be placed up to 20 feet from the edge of the weighbridge.



INTERNAL WEIGHBRIDGE CHECKING

Cardinal Scale's ARMOR® truck scale with Guardian® hydraulic load cells includes internal checking. The weighbridge uses a frictionless bumper bolt system. Four bolts (two lateral and two longitudinal) set the checking for the entire truck scale. Checking distances are pre-set at the factory, and due to the checking system's internal location, parts are less susceptible to heat, thermal expansion, weather, and harsh environments. The need for service checks is lowered due to the lack of exposure to external elements versus external checking systems.



Overhead view of a 70-ft-long concrete deck ARMOR® truck scale with Guardian® hydraulic load cells (checking access covers removed)



HYDRAULIC LOAD CELLS



LEGAL FOR TRADE

ARMOR Weighbridge:
Cert. No. 17-047

SST Load Cell:
Cert. No. 05-076



MEASUREMENT CANADA

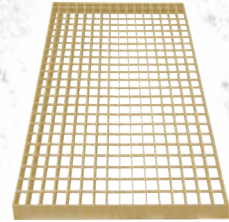
Notice of Approval
AM-4890

Guardian® hydraulic stainless steel load cells are environmentally-sealed (IP68) for high-pressure washdowns and can operate fully submerged underwater for the highest protection rating possible.

**ARMOR® Hydraulic Truck Scale
Concrete Deck Models**

WIDTH

LENGTH	Overall Capacity	CLC	Number Of Sections	10 Ft.	11 Ft.	12 Ft.	14 Ft.
12 ft.	50 tons	50 tons	2	1010600	1010619	1010638	1010657
20 ft.	50 tons	50 tons	2	1010601	1010620	1010639	1010658
25 ft.	50 tons	50 tons	2	1010602	1010621	1010640	1010659*
30 ft.	70 tons	50 tons	3	1010603	1010622	1010641	1010660
40 ft.	70 tons	50 tons	3	1010604	1010623	1010642	1010661
47 ft.	70 tons	50 tons	3	1010605	1010624	1010643	1010662
50 ft.	80 tons	50 tons	4	1010606	1010625	1010644	1010663
60 ft.	110 tons	50 tons	4	1010607	1010626	1010645	1010664
70 ft.	135 tons	50 tons	4	1010608	1010627	1010646	1010665*
75 ft.	135 tons	50 tons	4	1010609	1010628	1010647	1010666*
80 ft.	135 tons	50 tons	5	1010610	1010629	1010648	1010667
90 ft.	135 tons	50 tons	5	1010611	1010630	1010649	1010668
100 ft.	135 tons	50 tons	6	1010612	1010631	1010650	1010669*
110 ft.	135 tons	50 tons	6	1010613	1010632	1010651	1010670
117 ft.	135 tons	50 tons	6	1010614	1010633	1010652	1010671*
120 ft.	135 tons	50 tons	6	1010615	1010634	1010653	1010672*
125 ft.	135 tons	50 tons	6	1010616	1010635	1010654	1010673*
140 ft.	135 tons	50 tons	7	1010617	1010636	1010655	1010674*
160 ft.	135 tons	50 tons	8	1010618	1010637	1010656	1010675*



ARMOR® truck scale optional grain dump grating optimizes unloading in agricultural applications

OPTIONS:

- Bolt-on Pipe Guide Rails
- Grain Dump Modules
- Weight Indicators
- Remote Displays
- Vehicle Recording Software

* This 14 ft. wide model will have 1 additional section added to that listed above.

ARMOR® Hydraulic Load Cell Pit Type Concrete Deck Truck and Axle Load Scales

Model	Platform Size	Deck Thickness	Capacity	CLC	No. of Sections
1030500	10' x 10'	5 inch	30 tons	30 tons	2
1030501	12' x 10'	5 inch	30 tons	30 tons	2
1030502	24' x 10'	5 inch	30 tons	30 tons	2
1030503	34' x 10'	5 inch	50 tons	30 tons	3
1030504	40' x 10'	5 inch	50 tons	30 tons	3
1030505	50' x 10'	5 inch	60 tons	30 tons	4
1030506	60' x 10'	6 inch	100 tons	30 tons	4
1030507	70' x 10'	6 inch	100 tons	30 tons	4
1030508	80' x 10'	6 inch	100 tons	30 tons	5
1030509	100' x 10'	6 inch	100 tons	30 tons	6
1030606	60' x 10'	6 inch	120 tons	45 tons	4
1030607	70' x 10'	6 inch	120 tons	45 tons	4
1030608	80' x 10'	6 inch	120 tons	45 tons	5
1030609	100' x 10'	6 inch	120 tons	45 tons	6



Cardinal Scale reserves the right to improve, enhance, or modify features and specifications without prior notice.

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