

# FAIRBANKS®

## TITAN STEEL DECK ABOVE GROUND TRUCK SCALES



Designed to the highest standards in the industry, Fairbanks' Titan Steel Deck Truck Scale outperforms all contenders across the board, making it the new heavyweight champion in its class. In head-to-head comparisons, the Titan ranks number one in Gross Weight Capacity, Load Cell Capacity, Deck Plate Thickness, I-beam Construction, CLC Rating and sheer Steel Weight.

### BUILT TO PERFORM, ENGINEERED TO LAST

The Titan Steel Deck Truck Scale is constructed from multiple 12" and 16" Structural Steel I-beams. These massive supports, coupled with the thickest standard deck plate on the market, produce an extremely rigid weigh bridge that easily handles the demands of America's toughest truck scale applications. Extreme or redundant loads won't cause dimpling or rolling damage found on other so-called, heavy-duty truck scales.

### APPLICATIONS

- Asphalt plants
- Aggregate yards
- Coal mines
- Concrete plants
- Dairy farms
- Farmer's markets
- Grain plants
- Landfills
- Most high volume applications
- Ports of entry
- Timber mills
- Transfer stations
- Transportation companies

### FEATURES

- Up to 300,000 pound Gross Capacity.
- 3/8" Deck Plate thickness.
- 100,000 pound capacity Load Cells.
- 100,000 pound CLC/DTAC.
- Deflection less than 1/1600 under legal highway loads.
- Intalogix® Technology standard feature on each Titan.
- NTEP approved up to 14' wide.
- Incredible Steel Weight; the 70' x 10' Titan scale has 33,000 pounds of steel in the modules alone.
- Quick, easy installation.
- Fairbanks' Open Bottom Design promotes natural module ventilation and eliminates moisture collection points that cause premature scale deterioration.
- Backed by optional 5 Year Warranty.

### SPECIFICATIONS

Deck Dimensions . . . . .	Lengths: 27', 30', 35', 60', 70', 80', 90', 105' Widths: 10', 11', 12', 14'
CLC/DTAC . . . . .	100K
Gross Capacities . . . . .	150K to 300K
Sections . . . . .	2 to 4
Modules . . . . .	1 to 3
Module Data:	
Module Design . . . . .	Orthotropic
Module Construction . . . . .	USA Structural Steel
Module Under Structure . . . . .	Open Bottom
Deck Plate Thickness . . . . .	3/8"
Options . . . . .	Deck runners, Rub Rails, 120K CLC, 150K Load Cells, 300K Gross Capacity, Custom Widths/Lengths, Drop Plates, Blow Down Plates
Accessories . . . . .	Weight Indicators, Report & Ticket Printers, Unattended Automated Systems, Custom Software, Traffic Signals, Remote Displays
Approval . . . . .	NTEP COC #96-089A3

### QuickFacts™

Models and specifications subject to change without notice.  
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Call toll-free for the Fairbanks representative nearest you:

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## TITAN TRUCK SCALE STAINLESS STEEL LOAD CELL

### THE ULTIMATE LOAD CELL FOR HEAVY-DUTY APPLICATIONS

Titan Steel Deck Truck Scales are equipped with Fairbanks' 100,000 pound capacity, NTEP and FM approved, Rocker Column load cells.

These cells are constructed out of electrochemically polished stainless steel to eliminate any exterior corrosive effects due to harsh, wet environments. And, for ultimate protection, a true hermetic seal makes each cell impervious to moisture intrusion (IP68 NEMA 6P rated).

Fairbanks' innovative Rocker Column design prevents weighing errors caused by off-center loading and eliminates the need for grout pockets. This design limits the number of moving parts which limits the number of wear points, ultimately lowering cost of ownership and increasing scale life. It also handles the shocks and jolts

caused by trucks driving on and off the platform so that weighing results are never compromised.







It's no surprise that the Titan load cell can outweigh, outperform and outlast other manufacturer's load cells, just compare our specifications to theirs.



### TITAN LOAD CELL SPECIFICATIONS

Height . . . . .	6"
Capacity . . . . .	100K
Type . . . . .	Rocker Column
Sealing . . . . .	Complete hermetic sealing; cable entry sealed by glass to metal header
Material . . . . .	Stainless Steel 17-4 PH (1.4548)
Rating . . . . .	IP68 (NEMA 6P)
Resistance . . . . .	1,000 Ohms
Output . . . . .	2.0 mv/v
Combined Error . . . . .	<=0.02%
Zero Balance (FSO) . . . . .	1.0%
Excitation . . . . .	5 to 15 VDC
Ultimate Overload . . . . .	300%
Cable length . . . . .	15'
Cable Protection . . . . .	Stainless Steel Sheathing
Approvals . . . . .	NTEP COC# 97-078; Factory Mutual Approved

## Titan Truck Scale Usage Recommendations

DTA WEIGHT	100K DTA 	80K DTA 	60K DTA 	50K DTA 	40K DTA 	34K* DTA 
	Total Truck Weight (pounds)	<b>212,000</b>	<b>172,000</b>	<b>132,000</b>	<b>112,000</b>	<b>92,000</b>
Trucks Per Day	<b>25</b>	<b>100</b>	<b>200</b>	<b>300</b>	<b>600</b>	<b>1,000</b>
Maximum Deflection	<b>1/550</b>	<b>1/700</b>	<b>1/900</b>	<b>1/1100</b>	<b>1/1400</b>	<b>1/1600</b>

Note: As truck load or DTA weight decreases, recommended daily truck weightments increase. *\*Legal for highway travel*

Recommended maximum number of trucks per day at specified Dual Tandem Axle weights.

Following these Guidelines, Fairbanks' Titan Truck Scale is Designed for a 20 Year Life!