

# Vehicle Scales

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# SURVIVOR® Truck and Rail Scales

For more information on Rice Lake's full line of SURVIVOR® truck and rail scales, please visit our website at [www.ricelake.com](http://www.ricelake.com) or call 800-472-6703 and ask to speak with a heavy capacity team member.



## Truck Scales:

[www.ricelake.com/survivor](http://www.ricelake.com/survivor)

### SURVIVOR® OTR

Heavy-duty, top access, concrete or steel deck scales

### SURVIVOR® OTR-LP

Heavy-duty, steel deck, low profile scale for existing foundations

### SURVIVOR® OTR-XV

Extreme duty, top access, concrete or steel deck scales

### SURVIVOR® ATV

Heavy or extreme duty, top access portable steel deck scales

### SURVIVOR® SR

Heavy-duty, low profile, concrete or steel deck siderail scales

### SURVIVOR® PT

Heavy-duty, pit-type, concrete or steel deck scales

### SURVIVOR® Multi-Platform

### SURVIVOR® ATV-M

Portable, self-contained levertronic, steel deck scales

### SURVIVOR® PT-M

Pit-type, levertronic, concrete deck scales

## Rail Scales:

[www.ricelake.com/railscales](http://www.ricelake.com/railscales)

### SURVIVOR® RT

Pit-type, rail/truck combination scales

### SURVIVOR® PL

Low profile, pitless scales

### RailBoss®

Full- or double-draft rail scales

## Specifications

**Load Cells:**

40,000 lb

**Accuracy:**

≤ 0.25% error typical, interchangeable with other gauged rail products

**Full Scale Capacity:**

320,000 lb

**Axle Capacity:**

80,000 lb

**Warranty:**

2-year limited warranty

**Intrinsic Safety**

FM/cFM

Class I, II, III, Division 1, Groups ABCDEFG

T4



\* Non Legal for Trade

## Approvals



## RailBoss Standard Features

- 80,000 lb axle capacity
- 320,000 lb full scale capacity
- 40,000 lb rail section capacity
- 90 RA, 100 ARA-A, 115 RE, 132 RE, 133 RE or 136 RE rail sections
- 5 ft 10 in rail sections, pre-drilled for joint bars
- Quick-disconnect cable connection with MS style connector

**Full Draft Package Includes:**

- (8) 5 ft 10 in rail sections
- 30 ft of connection cable per rail section
- Pre-drilled joint bars with connection hardware
- (2) Rice Lake junction boxes with transient protection
- 30 ft of homerun cable

**Double Draft Package Includes:**

- (4) 5 ft 10 in rail sections
- 30 ft of connection cable per rail section
- Pre-drilled joint bars with connection hardware
- (1) Rice Lake junction box with transient protection
- 30 ft of homerun cable

## Optional Features

- Custom rail sizes are available
- 1280 Enterprise™ Series indicator with RailBoss software for full-draft or double-draft applications\*
- 920i® indicator with RailBoss software for full-draft or double-draft applications\*
- Custom cable lengths

\* Non-Legal for Trade

## Calibration Unit - Standard Features

- 482 Legend Series indicator
- Attachment hardware for 90RA, 115RE and 132RE rails



RailBoss Calibration Tool

# RailBoss®

Full Draft and Double Draft

VEHICLE SCALES

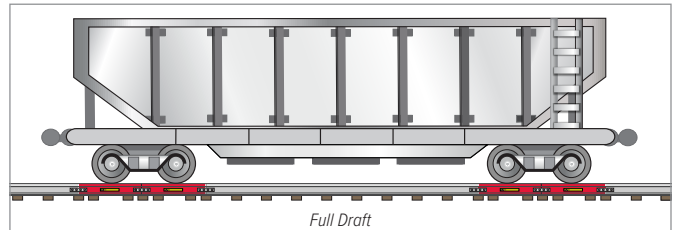
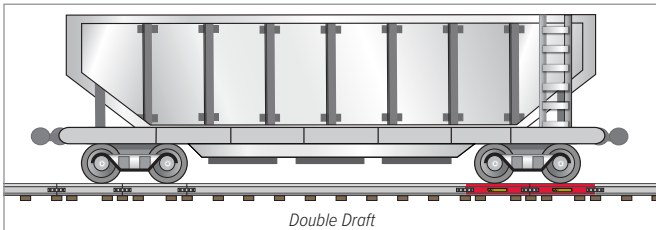
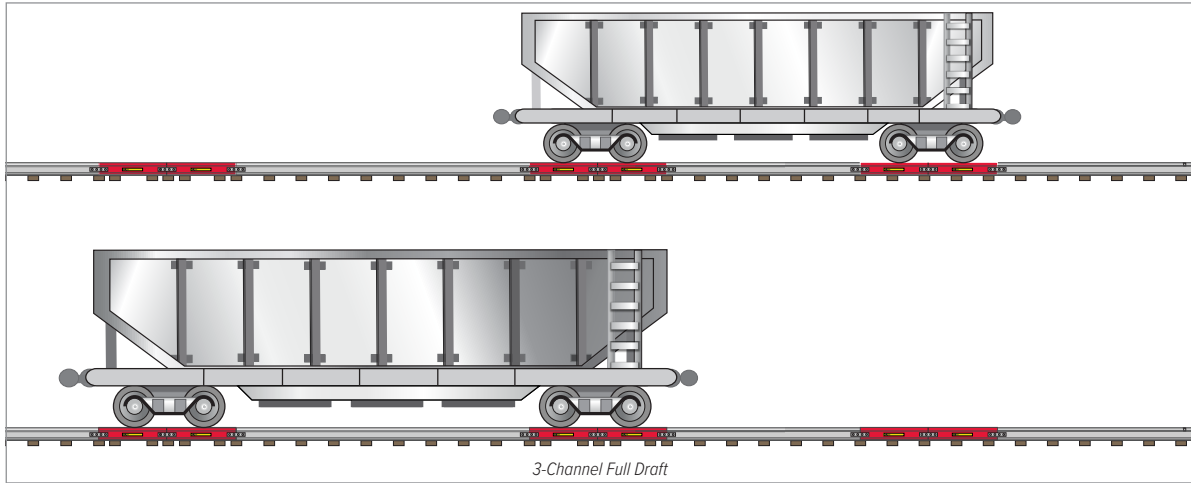
www.ricelake.com | Phone: 800-472-6703

RICELAKE

## Part Number/Price

Part #	Description	Est. Weight	Price
<b>Kits</b>			
164748	RailBoss assembly kit, full draft, 90 RA rail V2	2,280 lb	\$40,900.00
164749	RailBoss assembly kit, double draft, 90 RA rail V2	1,150 lb	\$20,400.00
193391	RailBoss assembly kit, full draft, 100 ARA-A	2,500 lb	\$41,100.00
193390	RailBoss assembly kit, double draft, 100 ARA-A	1,100 lb	\$20,500.00
188023	RailBoss assembly kit, double draft, 100 AREA	1,100 lb	\$21,500.00
162515	RailBoss assembly kit, full draft, 115RE rail V2	2,550 lb	\$41,100.00
162516	RailBoss assembly kit, double draft, 115RE rail V2	1,275 lb	\$20,500.00
164752	RailBoss assembly kit, full draft, 132RE rail V2	2,800 lb	\$41,500.00
164753	RailBoss assembly kit, double draft, 132RE rail V2	1,400 lb	\$20,800.00
194678	RailBoss assembly kit, full draft, 133 AREA	2,900 lb	\$41,500.00
194679	RailBoss assembly kit, double draft, 133 AREA	1,450 lb	\$20,800.00
169763	RailBoss assembly kit, full draft, 136 AREA	3,000 lb	\$43,600.00
169762	RailBoss assembly kit, double draft, 136 AREA	1,500 lb	\$21,900.00
<b>Single Rail Gauge Assemblies</b>			
164750	RailBoss 90 lb gauge assembly V2 (does not include cable)	290 lb	\$5,400.00
193389	RailBoss 100 ARA-A gauge assembly V2 (does not include cable)	300 lb	\$5,400.00
162517	RailBoss 115 lb gauge assembly V2 (does not include cable)	320 lb	\$5,400.00
164754	RailBoss 132 lb gauge assembly V2 (does not include cable)	350 lb	\$5,400.00
194677	RailBoss 133 AREA gauge assembly V2 (does not include cable)	370 lb	\$5,400.00
169761	RailBoss 136 AREA gauge assembly V2 (does not include cable)	390 lb	\$5,400.00
<b>Instrumentation</b>			
119073	Single-channel 920i® indicator double draft with RailBoss software	10 lb	\$2,650.00
119072	Dual-channel 920i® indicator full draft with RailBoss software	10 lb	\$2,750.00
126304	Three-channel 920i® indicator full draft with RailBoss software	10 lb	\$2,825.00
190949	Single-channel 1280 indicator double draft with RailBoss software	11 lb	\$3,350.00
190951	Dual-channel 1280 indicator full draft with RailBoss software	11 lb	\$3,500.00
190952	Three-channel 1280 indicator full draft with RailBoss software	11 lb	\$3,850.00
<b>Hardware</b>			
126391	90 RA 24 in short toe joint bar set, 4 sets required (2 bars with bolts and nuts)	40 lb	\$1,350.00
193468	100 ARA-A short tow joint bar set, 4 sets required (2 bars with bolts and nuts)	45 lb	\$1,225.00
126389	115 RE 24 in short toe joint bar set, 4 sets required (2 bars with bolts and nuts)	50 lb	\$1,050.00
126390	132 RE 24 in short toe joint bar set, 4 sets required (2 bars with bolts and nuts)	60 lb	\$1,225.00
194674	133 AREA short tow joint bar set, 4 sets required (2 bars with bolts and nuts)	70 lb	\$1,225.00
126390	136 AREA short tow joint bar set, 4 sets required (2 bars with bolts and nuts)	80 lb	\$1,225.00
126111	90 RA isolation joint bar set, 4 sets required (2 bars with bolts and nuts)	40 lb	\$1,095.00
112702	115 RE isolation joint bar set, 4 sets required (2 bars with bolts and nuts)	50 lb	\$1,095.00
119771	132 RE isolation joint bar set, 4 sets required (2 bars with bolts and nuts)	60 lb	\$1,095.00
194673	133 AREA isolation joint bar set, 4 sets required (2 bars with bolts and nuts)	70 lb	\$1,095.00
194344	136 AREA isolation joint bar set, 4 sets required (2 bars with bolts and nuts)	80 lb	\$1,225.00
198086	100RA Isolation Joint Bar Set, 4 sets required (2 bars with bolts and nuts)	-	\$1,095.00
163004	30 ft interface cable	-	\$625.00
164873	60 ft interface cable	-	\$775.00
164874	100 ft interface cable	-	\$1,050.00
188909	Adaptor cable from AWT Weighline to Rice Lake RailBoss	-	\$650.00
<b>Calibration Equipment</b>			
115564	RailBoss calibration/test unit	300 lb	\$12,900.00
119068	Railboss calibration/test unit rental	300 lb	\$700.00
208171	Coupler, flush face, no drip for Enerpac FR400 pump	-	\$425.00

NOTE: Instrumentation with RailBoss software must be ordered separately and is not included with the RailBoss assembly kit



02:41 PM 01/25/2017

**FULL DRAFT** Change Rail Car

Scale 1      Scale 2

5000 lb      7500 lb

Press Capture Button

12500 lb Gross  
0 lb Tare  
12500 lb Net

Capture

Return to Weigh Screen

Full-draft RailBoss software display with a 1280 indicator

01/03/2018 11:32AM SCALE #1

Scale #1      Scale #2

100050      97000

197050 lb Gross

Rail Truck #1: 100050 lb      98000 lb Tare

Rail Truck #2: 97000 lb      99050 lb Net

Ticket Printed - Exit Scale

Double Draft      Reprint

Double-draft RailBoss software display with a 920i indicator

# RoughDeck® AX

Tandem Axle Scale



## Specifications

**End Loading Capacity:**  
133% full scale at 30,000 lb

**Warranty:**  
Weldment five years, load cells two years, all other components one-year limited warranty

## Standard Features

- System includes two platforms with anchor brackets and four on/off ramps with anchor tabs (anchor bolts not included)

### Scale

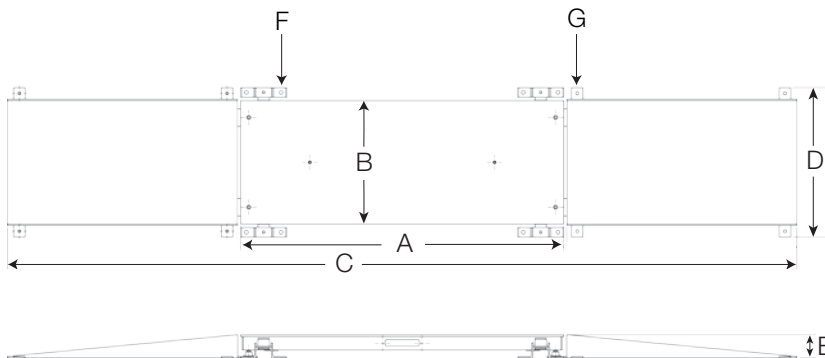
- (W x L x H): 32 x 84 x 6 in
- Axle capacity - tandem platforms - 60,000 lb (two scales 30,000 lb each)
- Includes (2) 3/4-10 NC eye bolts
- Contains four environmentally sealed, IP67 20,000 lb single-ended shear beam load cells per platform
- Treaded top plate with side access junction box
- JB4SS TuffSeal® signal trim junction box
- Top access foot adjustment holes
- Carbon steel captured ball feet
- 20 ft SURVIVOR® EL147HE cable
- Non-Legal for Trade

### Ramps

- (W x L x H) 32 x 60 x 6 in
- Treaded top plate

## Part Number/Price

Part #	Description	Dimensions	Est. Weight	Price
107637	60,000 lb (30,000 lb each)	32 x 84 x 6 in	3,600 lb	\$16,500.00



Dimensions			
A	84.0 in (213.36 cm)	E	6.0 in (15.24 cm)
B	32.0 in (81.28 cm)	F	1.0 in (2.54 cm)
C	205.5 in (521.97 cm)	G	0.75 in (1.91 cm)
D	38.75 in (98.42 cm)		



# AX3040

Tandem Axle Scale

## Specifications

**Construction:**

Steel or Aluminum

**Accuracy:**

±3%

**End Loading Capacity:**

100% full scale at 30,000 lb

75% full scale at 40,000 lb

**Warranty:**

One-year limited warranty



## Standard Features

- System includes two platforms and four on/off ramps (anchor bolts not included)

**Scale**

- Sizes: 7, 12 and 14 ft lengths
- Construction: Steel or aluminum
- Axle capacity - tandem platforms - 60,000 or 80,000 lb (30,000 lb or 40,000 lb each)
- Includes (4) 5/8-11 NC eye bolts
- Contains two load cells per platform
- Treaded top plate with four lifting eyes
- JB4SS TuffSeal® signal trim junction box
- 10 ft EL146HE Interconnect cable with MS-type connectors to go between weigh pads
- 50 ft EL147HE cable to connect weigh pad to indicator
- Non-Legal for Trade

**Ramps**

- (W x L): 32 x 25.25 in
- Steel or aluminum

## Part Number/Price

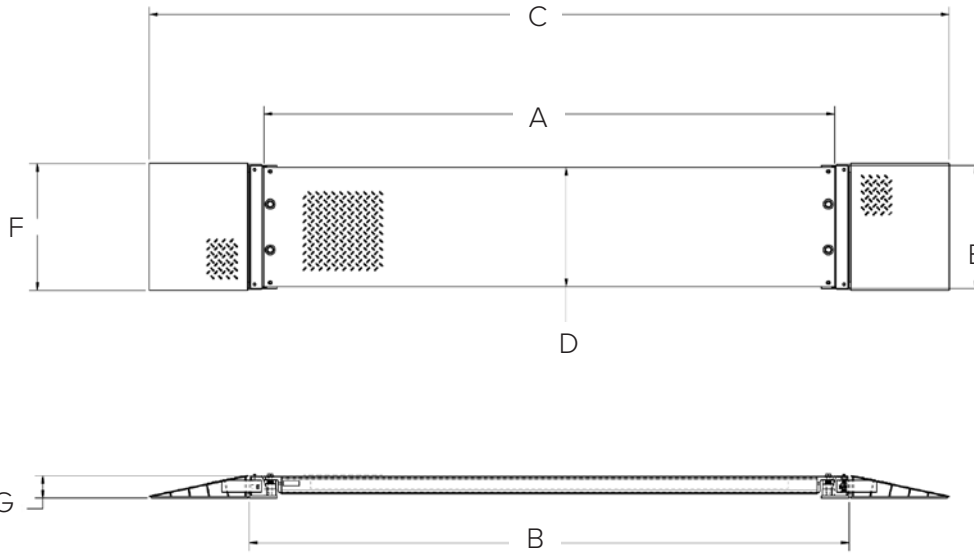
Part #	Description	Dimensions	Est. Weight	Price
<b>Steel Construction - Painted Black</b>				
112330	60,000 lb (30,000 lb each)	2.5 ft x 7 ft x 5.63 in	2,500 lb	\$14,850.00
111748	80,000 lb (40,000 lb each)	2.5 ft x 12 ft x 5.63 in	4,400 lb	\$17,580.00
112328	80,000 lb (40,000 lb each)	2.5 ft x 14 ft x 5.75 in	5,200 lb	\$23,325.00
<b>Aluminum Construction - Glass Beaded</b>				
112329	60,000 lb (30,000 lb each)	2.5 ft x 7 ft x 5.63 in	1,250 lb	\$17,485.00



# AX3040

Tandem Axle Scale

Dimensions			
<b>7 foot steel</b>			
A	83.60 in (2,123.44 mm)	E	31.00 in (787.4 mm)
B	90.90 in (2,308.86 mm)	F	32.00 in (812.8 mm)
C	141.25 in (3,587.75 mm)	G	5.63 in (143.0 mm)
D	30.00 in (762.00 mm)		
<b>12 foot steel</b>			
A	143.60 in (3,647.44 mm)	E	31.00 in (787.4 mm)
B	150.90 in (3,832.86 mm)	F	32.00 in (812.8 mm)
C	201.2 in (5,111.75 mm)	G	5.63 in (143.0 mm)
D	30.00 in (762.00 mm)		
<b>14 foot steel</b>			
A	167.60 in (4,257.04 mm)	E	31.00 in (787.4 mm)
B	174.90 in (4,442.46 mm)	F	32.00 in (812.8 mm)
C	225.25 in (5,721.35 mm)	G	5.75 in (146.05 mm)
D	30.00 in (762.00 mm)		
<b>7 foot aluminum</b>			
A	83.60 in (2,123.44 mm)	E	31.00 in (787.4 mm)
B	90.90 in (2,308.86 mm)	F	32.00 in (812.8 mm)
C	141.25 in (3,587.75 mm)	G	5.63 in (143.0 mm)
D	30.00 in (762.00 mm)		





### Specifications

**End Loading Capacity:**  
80% full scale at 50,000 lb

**Warranty:**  
Weldment five years, load cells two years, all other components one-year limited warranty



### Standard Features

#### Scale

- Sizes: 7.5, 9.5 or 11.5 ft lengths
- Capacity: 50,000 lb
- Includes (2) 1-8 NC eye bolts
- Contains four environmentally sealed, IP67, 20,000 lb single-ended, shear beam load cells
- Treaded top plate
- JB4SS TuffSeal® signal trim top access junction box
- Top access foot adjustment holes
- Carbon steel captured ball feet
- 20 ft SURVIVOR® EL147HE cable
- Non-Legal for Trade

#### Options

- Ramps: 10 x 4 ft, treaded top plate
- Scale frame



Scale shown with optional ramps

### Part Number/Price

Part #	Dimensions (W x L x H)	Capacity	Est. Weight	Price
<b>Scale only</b>				
169649	115.16 x 90 x 6 in	50,000 lb	3,350 lb	\$16,550.00
169650	115.16 x 114 x 6 in	50,000 lb	4,150 lb	\$18,630.00
169651	115.16 x 138 x 6 in	50,000 lb	5,500 lb	\$20,700.00
<b>Scale, bundled with scale frame</b>				
169645	120.75 x 95.75 x 6.75 in	50,000 lb	4,350 lb	\$19,035.00
169647	120.75 x 119.75 x 6.75 in	50,000 lb	5,400 lb	\$21,580.00
169648	120.75 x 143.75 x 6.75 in	50,000 lb	7,000 lb	\$25,610.00

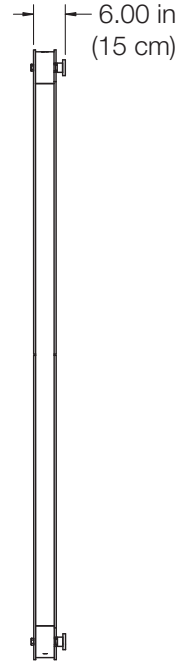
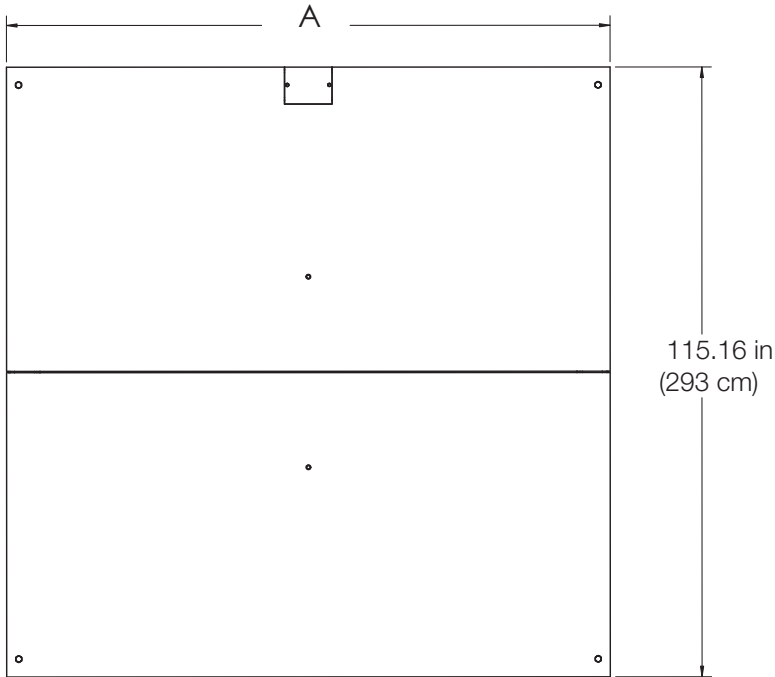
### Options/Accessories

Part #	Dimensions (W x L x H)	Est. Weight	Price
<b>Scale frame only</b>			
169652	120.75 x 95.75 x 6.75 in	1,000 lb	\$2,900.00
169653	120.75 x 119.75 x 6.75 in	1,250 lb	\$3,365.00
169654	120.75 x 143.75 x 6.75 in	1,500 lb	\$5,325.00
<b>Ramp, attaches to scale frame</b>			
169655	10 x 4 ft, single ramp	1,600 lb	\$3,375.00
169656	10 x 4 ft, ramp set	3,200 lb	\$6,750.00
<b>Ramp, attaches to scale</b>			
169657 *	10 x 4 ft, single rampe	1,675 lb	\$3,375.00
169658	10 x 4 ft, ramp set	3,350 lb	\$6,750.00

\*Consult factory for quote on riser plate for opposite end of scale.

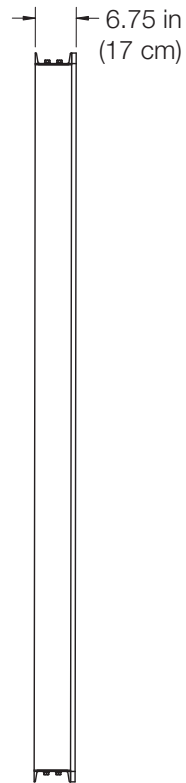
# RoughDeck® AX-1

Axle Scale



Part Number	A
169649	90.00 in
169650	114.00 in
169651	138.00 in

Scale

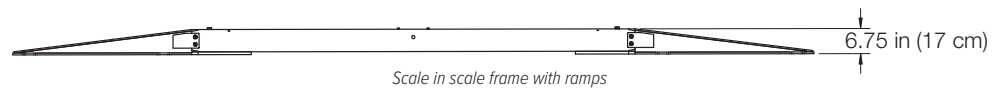
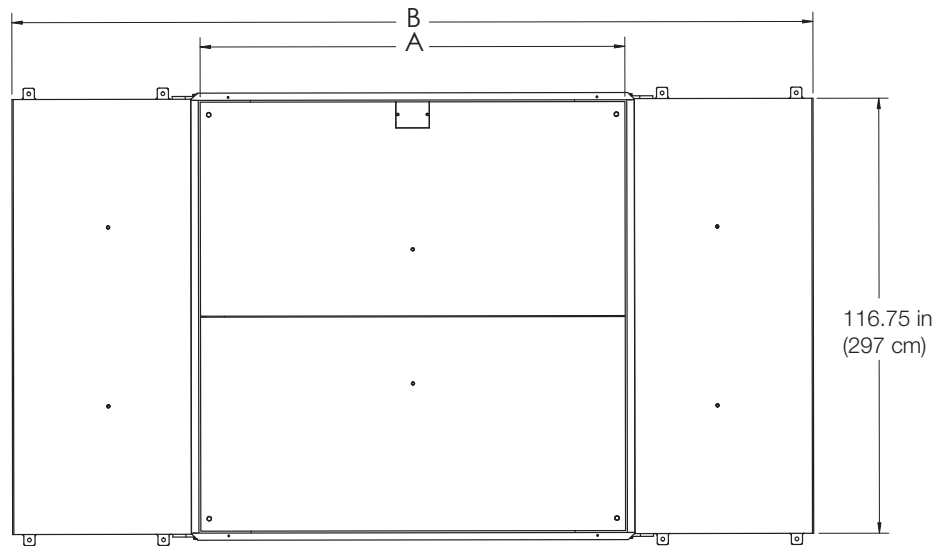


Part Number	A1
169652	95.75 in
169653	119.75 in
169654	143.75 in

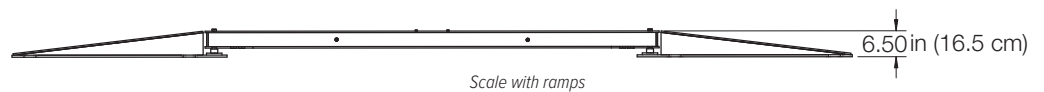
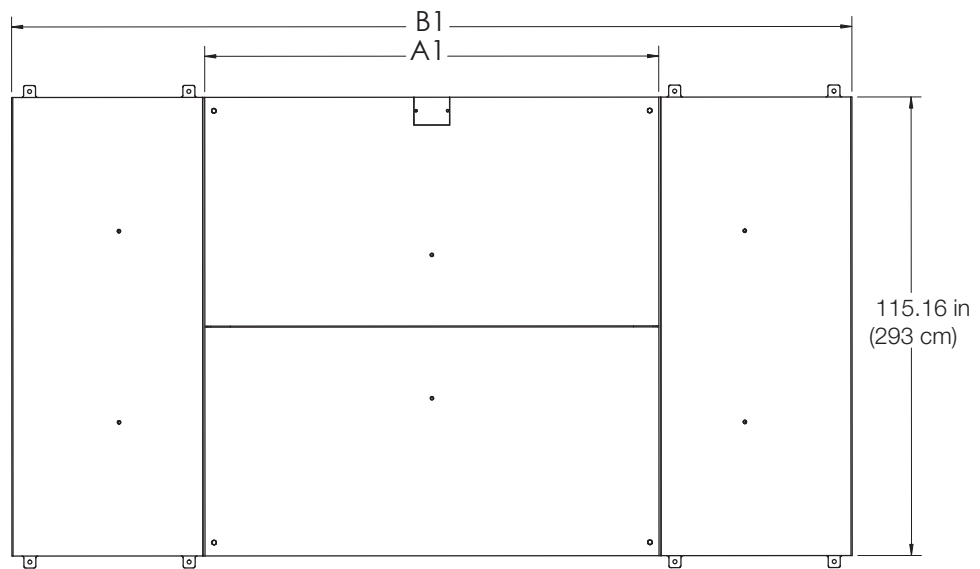
Scale frame

# RoughDeck® AX-1

Axle Scale



Part Number	A	B
<b>169645</b>	90.00 in	191.75 in
<b>169647</b>	114.00 in	215.75 in
<b>169648</b>	138.00 in	239.75 in



Part Number	A1	B1
<b>169649</b>	90.00 in	187.00 in
<b>169650</b>	114.00 in	211.00 in
<b>169651</b>	138.00 in	235.00 in

# Load Ranger

Wireless Wheel Pad Scale



## Specifications

**Construction:**

Aluminum alloy

**Display:**

1 in character display on each scale

**System Accuracy:**

0.05% of rated capacity

**Power Supply:**

Rechargeable battery  
Approximately 40 hours of battery life  
Includes UL approved AC wall adaptor

**Operating Temperature:**

14°F to 104°F (-10°C to 40°C)

**Storage Temperature:**

-4°F to 140°F (-20°C to 60°C)

**Effective Wireless Communication Range:**

Up to 160 ft (50 m) line of sight typical

**Warranty:**

Two-year limited warranty

**Approvals:**

NTEP CC 20-003P Class III (*Select sizes and capacities only, consult factory for more information*)

## Standard Features

- Up to 6 individual pads (3 sets) per system, completely wireless
- Up to 14 individual pads (7 sets) maximum per system, pairs must be joined with Y-cables and communicate wirelessly to the indicator
- Industrial RF radio module to communicate with indicator
- Integrated wheels and nonslip rubber under platform
- Internal rechargeable battery with 40 hours of battery life
- Built-in indicator on each scale with 1 in character display
- IP67 rating
- Cover plate protects built-in indicator

**Optional remote indicator with integrated printer in carrying case:**

- Carrying case: 1 ft × 1 ft 6 in × 7 in
- Backlit graphic display with touchscreen technology
- Internal battery with 10 hours of battery life
- Real-time clock
- Permanent data storage
- 24-bit A/D converter, up to 2,300 conversions per second
- One RS-232 serial port
- Thermal printer
- ABS transport case

**Wheel weighing software:**

- Multi-scale function mode weighs with up to 14 individual pads (seven sets)
- Static axle weighing function, up to two channels
- Calculation of center of gravity
- Semi-automatic and preset tare
- Selection of displayed data on LCD touchscreen
- 1,000 field database
- Print and display list of last 3,500 vehicles

## Options/Accessories

- Leveling modules
- Aluminum ramps
- NTEP Class III Certified Versions  
(*Select sizes and capacities only, consult factory for more info*)

## APPROVALS



NTEP Class III  
approved for  
law enforcement.  
Select sizes and  
capacities only,  
consult factory for  
more information.

# Load Ranger

Wireless Wheel Pad Scale

## Part Number/Price

Part #	Description	Price
212108	Remote indicator with integrated printer in carrying case	\$2,100.00

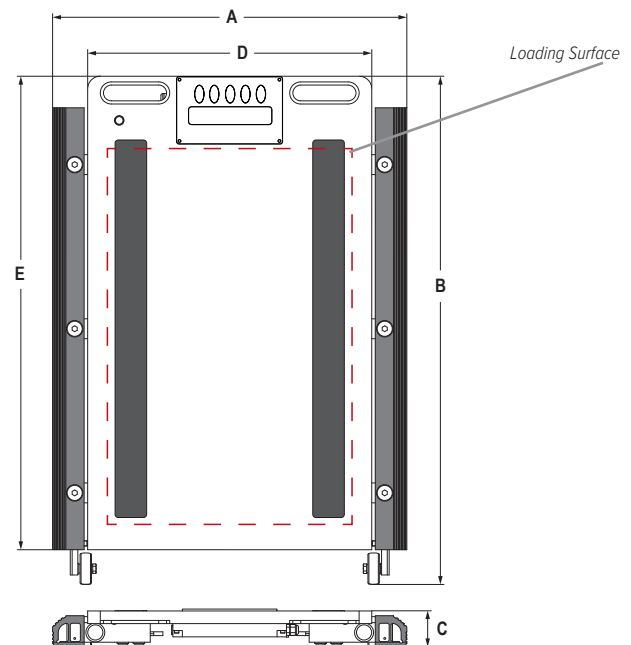
Part #	Size	Graduation	Price
<b>Load Ranger RF-MD</b>			
212096	1 ft 10 in x 1 ft 8 in x 2.28 in	3,300 x 1 lb	\$2,195.00
212097	1 ft 10 in x 1 ft 8 in x 2.28 in	6,600 x 2 lb	\$2,195.00
212098	1 ft 10 in x 1 ft 8 in x 2.28 in	13,200 x 5 lb	\$2,195.00
212099	1 ft 10 in x 1 ft 8 in x 2.28 in	22,000 x 10 lb	\$2,375.00
212100	1 ft 10 in x 1 ft 8 in x 2.28 in	33,000 x 10 lb	\$2,375.00
<b>Load Ranger RF-WD</b>			
212101	2 ft 6 in x 1 ft 10 in x 2.28 in	13,200 x 5 lb	\$2,730.00
212102	2 ft 6 in x 1 ft 10 in x 2.28 in	22,000 x 10 lb	\$2,730.00
212103	2 ft 6 in x 1 ft 10 in x 2.28 in	33,000 x 10 lb	\$2,730.00
212835	2 ft 6 in x 1 ft 10 in x 2.28 in (NTEP Class III)	22,000 x 20 lb	w
<b>Load Ranger RF-XWD</b>			
212104	3 ft 1 in x 2 ft x 2.28 in	13,200 x 5 lb	\$3,350.00
212105	3 ft 1 in x 2 ft x 2.28 in	22,000 x 10 lb	\$3,350.00
212106	3 ft 1 in x 2 ft x 2.28 in	33,000 x 10 lb	\$3,350.00
212107	3 ft 1 in x 2 ft x 2.28 in	44,000 x 20 lb	\$3,350.00

## Options/Accessories

Part #	Description	Price
190916	RS-485 cable used to connect wheel pad directly to indicator	\$185.00
188744	RS-485 cable, 10m, used in a 7 pad or more hybrid-wireless system to join two pads together	\$185.00
181881	Aluminum Ramp for Load Ranger MD Models (single ramp only)	\$265.00
181882	Aluminum Ramp for Load Ranger WD Models (single ramp only)	\$300.00
181883	Aluminum Ramp for Load Ranger XWD Models (single ramp only)	\$325.00
182053	Printer paper roll, 57 mm x 30 m, 12 mm core 51 mm OD	\$3.00
185064	Load Ranger Wheel Pad Charger, 110 VAC Version with US Plug	\$100.00
192591	Load Ranger Ai-1 Remote Indicator Power Adapter, 120-230 VAC Version with US Plug	\$90.00
212110	Load Ranger Wheel pad 2.4GHz radio upgrade kit	\$525.00
212111	Load Ranger Ai-1 Remote indicator 2.4GHz radio upgrade kit	\$525.00

Platform Dimensions			
	RF-MD	RF-WD	RF-XWD
A	1 ft 8 in (511 mm)	1 ft 10 in (564 mm)	2 ft (611 mm)
B	2 ft (611 mm)	2 ft 8 in (813 mm)	3 ft 3 in (991 mm)
C	2.28 in (58 mm)	2.28 in (58 mm)	2.28 in (58 mm)
D	1 ft 4 in (406 mm)	1 ft 6 in (457 mm)	1 ft 8 in (511 mm)
E	1 ft 10 in (564 mm)	2 ft 6 in (750 mm)	3 ft 1 in (950 mm)

Loading Surface Dimensions	
RF-MD	1 ft 3 in x 1 ft 4 in (381 mm x 406 mm)
RF-WD	1 ft 11 in x 1 ft 6 in (584 mm x 457 mm)
RF-XWD	2 ft 5 in x 1 ft 8 in (737 mm x 511 mm)



Optional aluminum ramps

# Load Ranger Cart

Transport Cart



## Specifications

**Warranty:**  
One-year limited warranty

### Standard Features

- Can hold up to six Load Ranger wheel pads (with or without optional ramps), and one Load Ranger remote indicator case.
- Two swivel, locking casters and two rigid casters
- Painted mild steel
- Integrated forklift channels
- Cam latch closures

### Options/Accessories

- AC power strip for charging

### Part Number/Price

Part #	Description	Price
203078	Load Ranger Transport Cart for up to 6 Load Ranger Wheel pads	\$3,225.00

### Options/Accessories

Part #	Description	Price
Consult	AC power strip option	Consult

### Dimensions

A	38.77 in (98.5 cm)	F	37.18 in (94.4 cm)
B	24.75 in (62.9 cm)	G	7.80 in (19.8 cm)
C	48.20 in (122.4 cm)	H	7.48 in (19.0 cm)
D	43.27 in (109.9 cm)	I	14.50 in (36.8 cm)
E	38.65 in (98.2 cm)	J	36.10 in (91.7 cm)

