

SURVIVOR® SR

Siderail, Concrete Deck

TRUCK SCALES



Due to the variety of configurations, please consult the factory to discuss application requirements and for complete specifications and price quotations.

Approvals



Measurement
Canada
Approved

Package includes: Weighbridge steel; weighbridge fasteners; load cells with conduit fitting; load cell mounts with leveling bolts and anchor bolts; copper transient bypass cables at each load cell; poly-coated flexible steel conduit from load cell to metal conduit; conduit fittings from poly-coated flexible steel to metal conduit; FRP junction box(es); summing board; homerun cable to indicator (60 ft long); print packages including deck assembly, foundation drawing (pier or floating slab) and rebar placement for deck concrete; along with detailed installation manual with truck loading/unloading diagram.

Package does not include: Metal conduit on weighbridge for load cell cable runs; corrugated sheeting for deck; rebar for concrete deck; approach coping; foundation alignment posts; rebar and mesh for foundation; concrete; indicator; printer; freight charges including material handling, shipping charges, transportation permits and fees, escort(s) charge, and insurance transportation fees.

Standard Features

- 8-inch reinforced concrete deck
- G-force mount assemblies return the scale to center without check rods or bumper bolts
- Cables completely encased in rodent-proof conduit
- Thorough finishing process includes cleaning of steel before and after welding, followed by either high solids urethane liquid paint or durable powder paint

Options

- Steel deck
- 20 lb division
- 50 lb division/400,000-pound capacity
- 1/2, 3/8, or 1-inch deck plate upgrade
- Manhole
- Slotted manhole
- Grain dump
- End cleanout
- Stainless steel load cells
- Stainless steel suspension hardware
- Galvanized weighbridge and suspension hardware
- Corrosion-resistant coating
- 3/8-inch runners
- Side deflector plates
- Dolly down plate
- iQUBE2® digital diagnostic junction box bundles

Specifications

Load Cells:

Rice Lake RL75058-LP alloy steel,
Double-ended beam
75,000 lb capacity

Mount Assemblies:

G-force self-checking mounting system

Junction Box:

JB8SPT Tuffseal® polycarbonate NEMA Type 4X enclosure with overlapping solid cover, stainless steel screws

Platform Size:

10 to 117 ft length
11 ft, 12 ft or 14 ft width

Scale Profile:

15.5 in (no grout) 17 in (grout)
(custom profiles available)

Deck Thickness:

8 in

Full Scale Capacity:

Up to 270,000 lb

Concentrated Load Capacity (CLC):

120,000 lb

Dual Tandem Axle (DTA):

120,000 lb

Warranty:

Weighbridge: 5-year or 12-year limited
Parts: 5-year or 12-year limited,
including lightning protection

Approvals:

NTEP 98-011, Class IIII
Measurement Canada AM-5413

Length/Capacity

Length	Capacity	Est. Weight	Number of Modules	Number of Load Cells	CLC	Part #	Model	Price
SR - Concrete Deck - 11 Foot Width								
10 ft	60 tons	5,300 lb	1	4	60 tons	44566	SR1011-SC-60	Consult
20 ft	60 tons	8,200 lb	1	4	60 tons	44567	SR2011-SC-60	Consult
24 ft*	60 tons	9,300 lb	1	4	60 tons	44568	SR2411-SC-60	Consult
35 ft	60 tons	16,100 lb	1	4	60 tons	44569	SR3511-SC-60	Consult
40 ft	100 tons	15,500 lb	2	6	60 tons	44570	SR4011-SC-100	Consult
47 ft*	100 tons	18,200 lb	2	6	60 tons	44571	SR4711-SC-100	Consult
60 ft	100 tons	23,000 lb	3	8	60 tons	44572	SR6011-SC-100	Consult
70 ft	100 tons	31,400 lb	2	6	60 tons	44573 †	SR7011-SC-100	Consult
70 ft	100 tons	26,800 lb	3	8	60 tons	44574	SR7011-SC-100	Consult
80 ft	100 tons	30,500 lb	4	10	60 tons	44575	SR8011-SC-100	Consult
93 ft*	100 tons	35,300 lb	4	10	60 tons	44576	SR9311-SC-100	Consult
100 ft	100 tons	38,000 lb	5	12	60 tons	44577	SR10011-SC-100	Consult
117 ft*	100 tons	44,300 lb	5	12	60 tons	44578	SR11711-SC-100	Consult
SR - Concrete Deck - 12 Foot Width								
10 ft	60 tons	5,500 lb	1	4	60 tons	44579	SR1012-SC-60	Consult
20 ft	60 tons	8,400 lb	1	4	60 tons	44580	SR2012-SC-60	Consult
24 ft*	60 tons	9,500 lb	1	4	60 tons	44581	SR2412-SC-60	Consult
35 ft	60 tons	16,400 lb	1	4	60 tons	44582	SR3512-SC-60	Consult
40 ft	100 tons	15,900 lb	2	6	60 tons	44583	SR4012-SC-100	Consult
47 ft*	100 tons	18,700 lb	2	6	60 tons	44584	SR4712-SC-100	Consult
60 ft	100 tons	23,600 lb	3	8	60 tons	44585	SR6012-SC-100	Consult
70 ft	100 tons	32,000 lb	2	6	60 tons	44586 †	SR7012-SC-100	Consult
70 ft	100 tons	27,500 lb	3	8	60 tons	44587	SR7012-SC-100	Consult
80 ft	100 tons	31,200 lb	4	10	60 tons	44588	SR8012-SC-100	Consult
93 ft*	100 tons	36,200 lb	4	10	60 tons	44589	SR9312-SC-100	Consult
100 ft	100 tons	38,900 lb	5	12	60 tons	44590	SR10012-SC-100	Consult
117 ft*	100 tons	45,400 lb	5	12	60 tons	44591	SR11712-SC-100	Consult
SR - Concrete Deck - 14 Foot Width								
10 ft	60 tons	5,800 lb	1	4	60 tons	44592	SR1014-SC-60	Consult
20 ft	60 tons	8,800 lb	1	4	60 tons	44593	SR2014-SC-60	Consult
24 ft*	60 tons	10,100 lb	1	4	60 tons	44594	SR2414-SC-60	Consult
35 ft	60 tons	17,000 lb	1	4	60 tons	44595	SR3514-SC-60	Consult
40 ft	100 tons	16,700 lb	2	6	60 tons	44596	SR4014-SC-100	Consult
47 ft*	100 tons	19,600 lb	2	6	60 tons	44597	SR4714-SC-100	Consult
60 ft	100 tons	24,700 lb	3	8	60 tons	44598	SR6014-SC-100	Consult
70 ft	100 tons	33,200 lb	2	6	60 tons	44599 †	SR7014-SC-100	Consult
70 ft	100 tons	28,800 lb	3	8	60 tons	44600	SR7014-SC-100	Consult
80 ft	100 tons	32,700 lb	4	10	60 tons	44601	SR8014-SC-100	Consult
93 ft*	100 tons	38,000 lb	4	10	60 tons	44602	SR9314-SC-100	Consult
100 ft	100 tons	40,700 lb	5	12	60 tons	44603	SR10014-SC-100	Consult
117 ft*	100 tons	47,600 lb	5	12	60 tons	44604	SR11714-SC-100	Consult

*Consult factory for exact sizes

† Three-section

NOTE: Shipping rates vary with options and split shipment requirements. Consult factory for current freight estimate.

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TRUCK SCALES

Part Number/Price

Part #	Description	Price
Foundation Components		
Varied	Approach coping (up to 14 ft long)	Consult
Scale Components		
Varied	Rebar	Consult
53782	Corrugated sheeting, 26 gauge, galvanized 30 × 144 in	Consult
74277	Corrugated sheeting, 26 gauge, galvanized 36 × 120 in	Consult
18799	T-grip molding	Consult/ft
108236	10 ft steel t-strip molding, 4 × 2.18 in	Consult
101800	11 ft steel t-strip molding, 4 × 2.18 in	Consult
107048	12 ft steel t-strip molding, 4 × 2.18 in	Consult
130829	iQUBE ² bundle, 6 to 8 load cells includes 920i [®]	Consult
130830	iQUBE ² bundle, 10 to 12 load cells includes 920i [®]	Consult
188936	iQUBE ² bundle, 6 to 8 load cells includes 1280	Consult
188939	iQUBE ² bundle, 10 to 12 load cells includes 1280	Consult
Stainless Steel Welded-Seal Load Cells*		
SSH-4	4 cell system	Consult
SSH-6	6 cell system	Consult
SSH-8	8 cell system	Consult
SSH-10	10 cell system	Consult
SSH-12	12 cell system	Consult
SSH-14	14 cell system	Consult
<i>* Replaces tool steel load cells with welded-seal stainless steel load cells</i>		
Spare Parts		
197781	RL75058-LP, double-ended beam load cell, 75,000 lb capacity, NTEP Certified	Consult
197782	RL75058-LP, double-ended beam load cell, 60 ft stainless steel overbraid cable, 75,000 lb, NTEP Certified	Consult
197780	RL75058-LP, double-ended beam load cell, 100 ft cable, 75,000 lb, NTEP Certified	Consult
68207	JB8SPT signal trim, 8-channel with expansion and transient protection	Consult
17780	16 in tinned ground strap	Consult
45698	SR assembly manual	Consult
45716	58.75 ft, 6 wire homerun cable	Consult
46440	SR upper stand assembly	Consult
50101	Rocker truck scale link	Consult
163280	Shim kit consisting of 1/16 in, 1/8 in and 1/4 in for 7 × 11 upper plate for one section	Consult
68096	Lower 75,000 lb siderail truck scale with 3 in increased profile	Consult
21134	UJB3T6 load cell transient protection	Consult

Rebar & Concrete Requirements

Length	Total Feet	Total Pounds	Concrete Requirements	Corrugated Sheeting
SURVIVOR SR Series - Concrete Deck - 10 Foot Width				
11 ft	322 ft	322 lb	2.5 yd	120 sq ft
12 ft	354 ft	354 lb	3 yd	130 sq ft
14 ft	408 ft	408 lb	3.5 yd	150 sq ft
SURVIVOR SR-Series - Concrete Deck - 11 Foot Width				
20 ft	671 ft	700 lb	5 yd	240 sq ft
24 ft	797 ft	831 lb	6 yd	264 sq ft
40 ft	1,423 ft	1,484 lb	10.5 yd	480 sq ft
47 ft	1,593 ft	1,662 lb	12 yd	564 sq ft
60 ft	21,89 ft	2,283 lb	16 yd	720 sq ft
70 ft	2,579 ft	2,690 lb	18.5 yd	840 sq ft
80 ft	2,946 ft	3,073 lb	21 yd	960 sq ft
93 ft	3,431 ft	3,579 lb	24 yd	1,116 sq ft
100 ft	3,509 ft	3,660 lb	26 yd	1,200 sq ft
117 ft	4,443 ft	4,634 lb	29 yd	1,404 sq ft
SURVIVOR SR-Series - Concrete Deck - 12 Foot Width				
20 ft	736 ft	768 lb	5.5 yd	260 sq ft
24 ft	874 ft	912 lb	6.5 yd	312 sq ft
40 ft	1,562 ft	1,629 lb	11.5 yd	520 sq ft
47 ft	1,725 ft	1,799 lb	17 yd	780 sq ft
60 ft	2,345 ft	2,446 lb	16 yd	720 sq ft
70 ft	2,763 ft	2,882 lb	19.9 yd	910 sq ft
80 ft	3,128 ft	3,262 lb	23 yd	1,040 sq ft
93 ft	3,675 ft	3,833 lb	26 yd	1,209 sq ft
100 ft	3,912 ft	4,080 lb	28 yd	1,300 sq ft
117 ft	5,301 ft	5,529 lb	38 yd	1,521 sq ft
SURVIVOR SR-Series - Concrete Deck - 14 Foot Width				
20 ft	851 ft	888 lb	6.5 yd	300 sq ft
24 ft	1,012 ft	1,055 lb	7.5 yd	360 sq ft
40 ft	1,804 ft	1,882 lb	13 yd	600 sq ft
47 ft	1,993 ft	2,079 lb	15 yd	705 sq ft
60 ft	2,710 ft	2,827 lb	20 yd	900 sq ft
70 ft	3,297 ft	3,439 lb	23 yd	1,050 sq ft
80 ft	3,585 ft	3,739 lb	26 yd	1,200 sq ft
93 ft	4,247 ft	4,430 lb	30 yd	1,395 sq ft
100 ft	4,520 ft	4,714 lb	32.5 yd	1,500 sq ft
117 ft	5,301 ft	5,529 lb	38 yd	1,755 sq ft

Deck Rebar - #5 Grade 60 unless otherwise specified
 Rebar calculated using 20ft lengths (if splices required, add 20in or 1.11lbs of rebar per splice)
 Rebar calculations based on spacing of 16in O/C in both directions