

SURVIVOR® PT

Pit-Type, Concrete Deck

Standard Features

- Three standard widths: 10 ft, 11 ft, and 12 ft (available up to 14 ft, NTEP Certified)
- One 2 ft x 2 ft square manhole opening
- 75,000 lb capacity load cells and pre-assembled mounts
- NTEP Certified 98-011
- Junction box(es) appropriate for number of load cells utilized
- 90,000 lb Concentrated Load Capacity (CLC)
- 6 in reinforced concrete deck
- Up to 200,000 lb full scale capacity
- Span deflection ratio (1:3100) for legal highway loads
- Up to 42 ft section span

Additional Options Available:

- 14 ft wide
- 18 in main beams (for increased pit clearance)
- Steel deck
- Fit existing foundations
- Custom grain dumps

Specifications

Load Cells and Mount Assemblies:

75,000 lb capacity; G-Force™ patented self-checking mounting system

Full Scale Capacity:

Up to 200,000 lb

Deflection Ratio:

1:3100

Concentrated Load Capacity (CLC):

90,000 lb

Dual Tandem Axle (DTA):

90,000 lb

Approvals:

NTEP Certified per H-44, Class III, 98-011
Measurement Canada AM-5413

Warranty:

Ten-year limited warranty on the weighbridge
Five-year parts warranty, including lightning protection

Please refer to Warranty Statements starting on page 14



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; conduit for each load cell cable; FRP junction box(es); summing board; homerun cable to indicator (60 ft long); print packages including deck assembly, foundation drawing and rebar placement for concrete deck; detailed installation manual.

Package does not include: Corrugated sheeting for deck; rebar for concrete deck; pit coping; 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.

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

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Length/Capacity

LENGTH	CAPACITY	EST. WEIGHT	NUMBER OF MODULES	NUMBER OF LOAD CELLS	CLC	PART NUMBER	MODEL NUMBER	PRICE
PT - CONCRETE DECK - 10 FOOT WIDTH								
10ft	60 tons	4,900 lb	1	4	45 tons	51341	SR1010-PC-60	Consult
20ft	60 tons	7,800 lb	1	4	45 tons	51342	SR2010-PC-60	Consult
25ft	60 tons	9,100 lb	1	4	45 tons	72953	SR2510-PC-60	Consult
30ft	60 tons	10,200 lb	1	4	45 tons	72954	SR3010-PC-60	Consult
40ft	100 tons	14,700 lb	2	6	45 tons	51344	SR4010-PC-100	Consult
50ft	100 tons	17,800 lb	2	6	45 tons	72955	SR5010-PC-100	Consult
60ft	100 tons	21,800 lb	3	8	45 tons	51346	SR6010-PC-100	Consult
70ft	100 tons	25,400 lb	3	8	45 tons	115928	SR7010-PC-100	Consult
80ft	100 tons	28,800 lb	4	10	45 tons	51348	SR8010-PC-100	Consult
90ft	100 tons	33,000 lb	4	10	45 tons	72956	SR9010-PC-100	Consult
100ft	100 tons	36,000 lb	5	12	45 tons	51350	SR10010-PC-100	Consult
110ft	100 tons	39,600 lb	5	12	45 tons	152175	SR11010-PC-100	Consult
120ft	100 tons	42,700 lb	6	12	45 tons	72957	SR12010-PC-100	Consult
130ft	100 tons	46,300 lb	6	14	45 tons	152176	SR13010-PC-100	Consult
140ft	100 tons	49,800 lb	6	14	45 tons	152177	SR14010-PC-100	Consult
150ft	100 tons	53,400 lb	7	16	45 tons	152178	SR15010-PC-100	Consult
160ft	100 tons	57,000 lb	8	18	45 tons	152179	SR16010-PC-100	Consult
PT - CONCRETE DECK - 11 FOOT WIDTH								
10ft	60 tons	5,100 lb	1	4	45 tons	51352	SR1011-PC-60	Consult
20ft	60 tons	8,100 lb	1	4	45 tons	51353	SR2011-PC-60	Consult
25ft	60 tons	9,300 lb	1	4	45 tons	72958	SR2511-PC-60	Consult
30ft	60 tons	10,400 lb	1	4	45 tons	72959	SR3011-PC-60	Consult
40ft	100 tons	15,100 lb	2	6	45 tons	51355	SR4011-PC-100	Consult
50ft	100 tons	18,300 lb	2	6	45 tons	72960	SR5011-PC-100	Consult
60ft	100 tons	22,400 lb	3	8	45 tons	51357	SR6011-PC-100	Consult
70ft	100 tons	26,300 lb	3	8	45 tons	51358	SR7011-PC-100	Consult
80ft	100 tons	29,800 lb	4	10	45 tons	51359	SR8011-PC-100	Consult
90ft	100 tons	35,000 lb	4	10	45 tons	72961	SR9011-PC-100	Consult
100ft	100 tons	36,900 lb	5	12	45 tons	51361	SR10011-PC-100	Consult
110ft	100 tons	40,600 lb	5	12	45 tons	152180	SR11011-PC-100	Consult
120ft	100 tons	44,000 lb	6	12	45 tons	72962	SR12011-PC-100	Consult
130ft	100 tons	47,700 lb	6	14	45 tons	152182	SR13011-PC-100	Consult
140ft	100 tons	51,400 lb	6	14	45 tons	152183	SR14011-PC-100	Consult
150ft	100 tons	55,000 lb	7	16	45 tons	152184	SR15011-PC-100	Consult
160ft	100 tons	58,700 lb	8	18	45 tons	152185	SR16011-PC-100	Consult
PT - CONCRETE DECK - 12 FOOT WIDTH								
10ft	60 tons	5,400 lb	1	4	45 tons	51363	SR1012-PC-60	Consult
20ft	60 tons	8,400 lb	1	4	45 tons	51364	SR2012-PC-60	Consult
25ft	60 tons	9,900 lb	1	4	45 tons	72963	SR2512-PC-60	Consult
30ft	60 tons	11,000 lb	1	4	45 tons	72964	SR3012-PC-60	Consult
40ft	100 tons	15,900 lb	2	6	45 tons	51366	SR4012-PC-100	Consult
50ft	100 tons	19,200 lb	2	6	45 tons	72965	SR5012-PC-100	Consult
60ft	100 tons	23,500 lb	3	8	45 tons	51368	SR6012-PC-100	Consult
70ft	100 tons	27,600 lb	3	8	45 tons	51369	SR7012-PC-100	Consult
80ft	100 tons	31,100 lb	4	10	45 tons	51370	SR8012-PC-100	Consult
90ft	100 tons	35,800 lb	4	10	45 tons	72966	SR9012-PC-100	Consult
100ft	100 tons	38,700 lb	5	12	45 tons	51372	SR10012-PC-100	Consult
110ft	100 tons	42,600 lb	5	12	45 tons	152186	SR11012-PC-100	Consult
120ft	100 tons	46,200 lb	6	12	45 tons	176677	SR12012-PC-100	Consult
130ft	100 tons	50,100 lb	6	14	45 tons	152187	SR13012-PC-100	Consult
140ft	100 tons	53,900 lb	6	14	45 tons	152188	SR14012-PC-100	Consult
150ft	100 tons	57,800 lb	7	16	45 tons	152189	SR15012-PC-100	Consult
160ft	100 tons	61,600 lb	8	18	45 tons	152190	SR16012-PC-100	Consult

Pit scales are designed to fit inside correctly-sized pits. Example: 70ft x 10ft scale is actually 69ft 10 1/2in L x 9ft 10 1/2in W

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Part Number/Price

PART NUMBER	DESCRIPTION	PRICE
Foundation Components		
Varied	Pit coping (specify length)	Consult
Scale Components		
Varied	Rebar	Consult
53782	Corrugated sheeting, 26 gauge, galvanized 30 in x 144 in	Consult
74277	Corrugated sheeting, 26 gauge, galvanized 36 in x 120 in	Consult
18799	T-grip molding	Consult
Varied	Manhole option	Consult
Varied	Slotted manhole option	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 (multi-axle system)	Consult
<i>* Replaces tool steel load cells with welded-seal stainless steel load cells</i>		
Spare Parts		
39516	RL75058, double ended shear beam load cell, 75,000 lb capacity, NTEP Certified	Consult
73839	RL75058, double ended beam, 60 ft stainless steel overbraid cable, 75,000 lb, NTEP Certified	Consult
74725	RL75058, double ended beam, 100 ft cable, 75,000 lb, NTEP Certified	Consult
91783	JB8SPT signal trim, 8-channel with expansion and transient protection	Consult
17779	14 in tinned ground strap	Consult
45716	60 ft, 6 wire homerun cable	Consult
50101	Rocker truck scale link - standard	Consult
107527	Rocker truck scale link - tapered	Consult
61148	75,000 lb MVS mount base WLDT	Consult
70177	Upper stand assembly	Consult
21134	UJB-3T6 load cell transient protection	Consult

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Rebar & Concrete Requirements

LENGTH	TOTAL (FEET)	TOTAL (POUNDS)	CONCRETE REQUIREMENTS (YARDS)	CORRUGATED SHEETING (SQ. FEET)
SURVIVOR PT SERIES - CONCRETE DECK - 10 FOOT WIDTH				
10ft	357ft	372lb	2.2yd	66sq ft
20ft	707ft	737lb	4.4yd	143sq ft
24ft	864ft	901lb	5.1yd	165sq ft
40ft	1486ft	1549lb	8.8yd	294sq ft
47ft	1705ft	1778lb	10.3yd	351sq ft
60ft	2186ft	2280lb	13.2yd	440sq ft
70ft	2575ft	2686lb	15.3yd	514sq ft
80ft	2925ft	3051lb	17.6yd	590sq ft
90ft	3420ft	3567lb	20.4yd	686sq ft
100ft	3665ft	3822lb	22.0yd	741sq ft
110ft	4032ft	4205lb	24.5yd	816sq ft
120ft	4400ft	4650lb	26.50yd	890sq ft
130ft	4770ft	5038lb	29.0yd	965sq ft
140ft	5135ft	5425lb	31.0yd	1039sq ft
150ft	5500ft	5813lb	33.2yd	1113sq ft
160ft	5870ft	6200lb	35.5yd	1187sq ft
SURVIVOR PT-SERIES - CONCRETE DECK - 11 FOOT WIDTH				
10ft	398ft	415lb	2.4yd	87sq ft
20ft	788ft	821lb	4.9yd	190sq ft
24ft	972ft	1014lb	5.7yd	220sq ft
40ft	1611ft	1681lb	9.8yd	392sq ft
47ft	1900ft	1981lb	11.4yd	468sq ft
60ft	2435ft	2540lb	14.7yd	587sq ft
70ft	2869ft	2992lb	17.1yd	685sq ft
80ft	3259ft	3500lb	19.6yd	800sq ft
90ft	3810ft	3973lb	22.8yd	915sq ft
100ft	4083ft	4258lb	24.5yd	988sq ft
110ft	4492ft	4684lb	27yd	1087sq ft
120ft	4840ft	5115lb	29.2yd	1150sq ft
130ft	5244ft	5542lb	32yd	1246sq ft
140ft	5647ft	5968lb	34.1yd	1342sq ft
150ft	6050ft	6394lb	36.5yd	1438sq ft
160ft	6454ft	6820lb	39yd	1534sq ft
SURVIVOR PT-SERIES - CONCRETE DECK - 12 FOOT WIDTH				
10ft	439ft	457lb	2.7yd	95sq ft
20ft	869ft	906lb	5.4yd	210sq ft
24ft	1060ft	1106lb	6.3yd	240sq ft
40ft	1776ft	1853lb	10.8yd	430sq ft
47ft	2094ft	2184lb	12.6yd	510sq ft
60ft	2684ft	2800lb	16.2yd	640sq ft
70ft	3162ft	3298lb	18.9yd	750sq ft
80ft	3592ft	3747lb	21.6yd	860sq ft
90ft	4199ft	4380lb	25.2yd	1000sq ft
100ft	4500ft	4694lb	27.0yd	1080sq ft
110ft	4950ft	5164lb	29.7yd	1188sq ft
120ft	5280ft	5580lb	32.0yd	1260sq ft
130ft	5720ft	6045lb	34.7yd	1365sq ft
140ft	6160ft	6510lb	37.4yd	1470sq ft
150ft	6600ft	6975lb	40yd	1575sq ft
160ft	7040ft	7440lb	42.7yd	1680sq ft

Deck Rebar - #5 Grade 60 unless otherwise specified

Rebar calculated using 20ft lengths (if additional splices required, add 20in or 1.11 lbs of rebar per splice)

Rebar calculations based on spacing of 12in O/C in both directions