

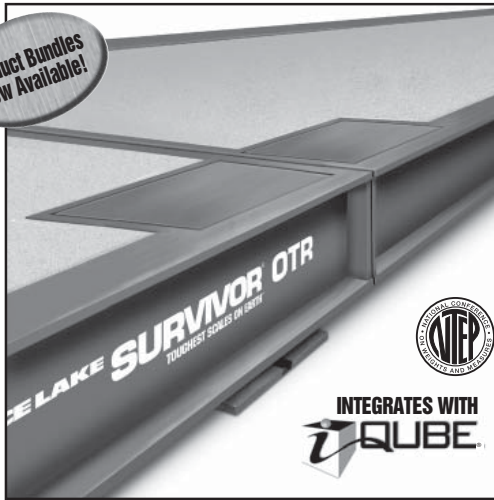
# Vehicle/Track Scales

## SURVIVOR<sup>®</sup> OTR

Flattop Truck Scale - Concrete Deck



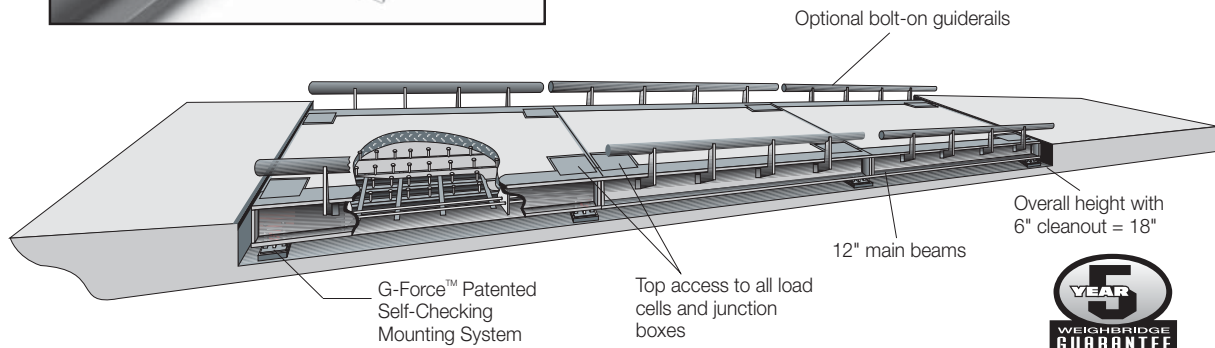
Product Bundles  
Now Available!



### Standard Features

- Top access to load cells and junction box
- 75,000 lb capacity load cells and G-Force™ mount assemblies
- Junction box(es) appropriate for number of load cells utilized
- NTEP-certified, COC #02-003A1
- 90,000 lb Concentrated Load Capacity (CLC)
- 90,000 lb Dual Tandem Axle (DTA)
- Up to 270,000 lb full scale capacity
- Span deflection ratio (1:1300) for legal highway loads
- 6" thick concrete deck
- Three standard widths: 10', 11', and 12' (available up to 14', NTEP-certified)

**HEAVY  
DUTY**



**Package includes:** Assembled weighbridge modules and weighbridge fasteners; load cells with conduit fitting; load cell mounts with leveling bolts and anchor bolts; copper transient bypass cables at each load cell; conduit for load cell cable runs; flexible plastic conduit from load cell to metal conduit; conduit fittings from plastic to metal conduit; FRP junction box(es); homerun cable to indicator (60' long); print packages including foundation drawing (pier, floating slab or pit) and installation manual; galvanized pan for concrete.

**Package does not include:** 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.

## Specifications

### LOAD CELLS AND MOUNT ASSEMBLIES:

75,000 lb capacity; G-Force™ Patented Self-Checking Mounting System, top access to load cells

### FULL SCALE CAPACITY:

Up to 270,000 lb

### DEFLECTION FACTOR:

1:1300

### CONCENTRATED LOAD CAPACITY (CLC):

90,000 lb

### DUAL TANDEM AXLE (DTA):

90,000 lb

### APPROVALS:

NTEP-certified per H-44, Class III, COC #02-003A1

### WARRANTY:

Five-year limited warranty on the weighbridge  
Five-year parts warranty, including lightning protection (please refer to Warranty Statement on page VTS-61)  
Five-year lightning extended warranty (see page VTS-60)

# SURVIVOR OTR - Concrete Deck (continued)

## Specifications (continued)

### OTR - CONCRETE DECK – 10 FOOT WIDTH

LENGTH	FULL SCALE CAPACITY	PART NUMBER	MODEL NUMBER	EST. SHIPPING WEIGHT	NUMBER OF MODULES	NUMBER OF LOAD CELLS	CLC (TONS)
10 ft	60 tons	53312	EZ1010-SC-60-OTR	4,200 lb	1	4	45
12 ft	60 tons	96700	EZ1210-SC-60-OTR	4,900 lb	1	4	45
15 ft	60 tons	86266	EZ1510-SC-60-OTR	5,800 lb	1	4	45
20 ft	60 tons	53315	EZ2010-SC-60-OTR	7,100 lb	1	4	45
24 ft*	60 tons	53318	EZ2410-SC-60-OTR	8,200 lb	1	4	45
40 ft	100 tons	53321	EZ4010-SC-100-OTR	13,800 lb	2	6	45
47 ft*	100 tons	53324	EZ4710-SC-100-OTR	16,600 lb	2	6	45
60 ft	100 tons	53327	EZ6010-SC-100-OTR	19,800 lb	3	8	45
70 ft	100 tons	53330	EZ7010-SC-100-OTR	22,500 lb	3	8	45
75 ft	100 tons	86267	EZ7510-SC-100-OTR	23,800 lb	3	8	45
80 ft	100 tons	53333	EZ8010-SC-100-OTR	25,400 lb	4	10	45
93 ft*	100 tons	53336	EZ9310-SC-100-OTR	26,300 lb	4	10	45
100 ft	100 tons	53339	EZ10010-SC-100-OTR	31,400 lb	5	12	45
117 ft*	100 tons	53342	EZ11710-SC-100-OTR	32,800 lb	5	12	45

### OTR - CONCRETE DECK – 11 FOOT WIDTH

LENGTH	FULL SCALE CAPACITY	PART NUMBER	MODEL NUMBER	EST. SHIPPING WEIGHT	NUMBER OF MODULES	NUMBER OF LOAD CELLS	CLC (TONS)
10 ft	60 tons	53313	EZ1011-SC-60-OTR	4,400 lb	1	4	45
12 ft	60 tons	96701	EZ1211-SC-60-OTR	5,300 lb	1	4	45
15 ft	60 tons	86267	EZ1511-SC-60-OTR	6,600 lb	1	4	45
20 ft	60 tons	53316	EZ2011-SC-60-OTR	8,100 lb	1	4	45
24 ft*	60 tons	53319	EZ2411-SC-60-OTR	8,600 lb	1	4	45
40 ft	100 tons	53322	EZ4011-SC-100-OTR	14,400 lb	2	6	45
47 ft*	100 tons	53325	EZ4711-SC-100-OTR	17,400 lb	2	6	45
60 ft	100 tons	53328	EZ6011-SC-100-OTR	20,700 lb	3	8	45
70 ft	100 tons	53331	EZ7011-SC-100-OTR	23,600 lb	3	8	45
75 ft	100 tons	86269	EZ7511-SC-100-OTR	24,900 lb	3	8	45
80 ft	100 tons	53334	EZ8011-SC-100-OTR	26,600 lb	4	10	45
93 ft*	100 tons	53337	EZ9311-SC-100-OTR	27,600 lb	4	10	45
100 ft	100 tons	53340	EZ10011-SC-100-OTR	32,500 lb	5	12	45
117 ft*	100 tons	53343	EZ11711-SC-100-OTR	39,400 lb	5	12	45

### OTR - CONCRETE DECK – 12 FOOT WIDTH

LENGTH	FULL SCALE CAPACITY	PART NUMBER	MODEL NUMBER	SHIPPING WEIGHT	NUMBER OF MODULES	NUMBER OF LOAD CELLS	CLC (TONS)
10 ft	60 tons	53314	EZ1012-SC-60-OTR	4,900 lb	1	4	45
12 ft	60 tons	96702	EZ1212-SC-60-OTR	5,700 lb	1	4	45
15 ft	60 tons	86270	EZ1512-SC-60-OTR	7,000	1	4	45
20 ft	60 tons	53317	EZ2012-SC-60-OTR	8,300 lb	1	4	45
24 ft*	60 tons	53320	EZ2412-SC-60-OTR	9,000 lb	1	4	45
40 ft	100 tons	53323	EZ4012-SC-100-OTR	15,100 lb	2	6	45
47 ft*	100 tons	53326	EZ4712-SC-100-OTR	17,600 lb	2	6	45
60 ft	100 tons	53329	EZ6012-SC-100-OTR	21,800 lb	3	8	45
70 ft	100 tons	53332	EZ7012-SC-100-OTR	25,000 lb	3	8	45
75 ft	100 tons	86271	EZ7512-SC-100-OTR	26,200 lb	3	8	45
80 ft	100 tons	53335	EZ8012-SC-100-OTR	27,600 lb	4	10	45
93 ft*	100 tons	53338	EZ9312-SC-100-OTR	28,900 lb	4	10	45
100 ft	100 tons	53341	EZ10012-SC-100-OTR	34,200 lb	5	12	45
117 ft*	100 tons	53344	EZ11712-SC-100-OTR	36,100 lb	5	12	45

\* 24' actual = 23' 4"; 47' actual = 46' 8"; 93' actual = 93' 4"; 117' actual = 116' 8"

NOTE: Shipping rates vary with options and split shipment requirements. Consult factory for current freight estimate.  
OTR scales feature undersized dimensions and are designed to fit into existing foundations. Example: 70' x 10' scale is actually 69' 10.5" L x 9' 10.5" W.

# Rebar & Concrete Requirements

## Concrete OTR Series

- Deck Rebar - #4 Grade 60 unless otherwise specified
- Rebar calculated using 20 ft lengths (if additional splices required, add 25" or 2.17 lbs of rebar per splice)
- Rebar calculations based on spacing of 16" O/C in both directions

Numbers listed below are estimations

### SURVIVOR OTR SERIES - CONCRETE DECK - 10 FOOT WIDTH

#### DECK REBAR

LENGTH	TOTAL (FT)	TOTAL (LBS)	CONCRETE REQ'D (YDS)
10 ft	150	100	2
12 ft	180	120	2.75
15 ft	240	160	3.25
20 ft	304	203	4.5
24 ft	367	245	5.5
40 ft	608	406	9
47 ft	733	490	11
60 ft	912	609	13.5
70 ft	1100	734	16
80 ft	1216	812	18
93 ft	1466	979	21.5
100 ft	1520	1015	22.5
117 ft	1833	1224	27

### SURVIVOR OTR SERIES - CONCRETE DECK - 11 FOOT WIDTH

#### DECK REBAR

LENGTH	TOTAL (FT)	TOTAL (LBS)	CONCRETE REQ'D (YDS)
10 ft	168	112	2.5
12 ft	218	146	3
15 ft	267	178	3.5
20 ft	340	227	5
24 ft	405	270	6
40 ft	679	454	10
47 ft	809	540	11.5
60 ft	1019	680	15
70 ft	1214	811	17.5
80 ft	1358	907	20
93 ft	1618	1081	23.5
100 ft	1698	1134	25
117 ft	2023	1351	29

### SURVIVOR OTR SERIES - CONCRETE DECK - 12 FOOT WIDTH

#### DECK REBAR

LENGTH	TOTAL (FT)	TOTAL (LBS)	CONCRETE REQ'D (YDS)
10 ft	185	124	2.5
12 ft	240	160	3.25
15 ft	294	196	4
20 ft	375	251	5.5
24 ft	443	296	6.5
40 ft	750	501	11
47 ft	885	591	12.5
60 ft	1125	752	16
70 ft	1328	887	19
80 ft	1500	1002	21.5
93 ft	1770	1182	25
100 ft	1875	1253	27
117 ft	2213	1478	31.5

Specifications subject to change without notice