



# 8130 / 8140 SAM

## SIDE ARM MECHANICAL TRUCK SCALES

### WITH LOW PROFILE AND CONCRETE OR STEEL DECK



CC# 89-036



APPROVED  
Load Cells

A massive mechanical lever system combined with an above-grade, low-profile weighbridge design for easy installation and years of reliable service in demanding applications.



[THURMANSCALE.COM](http://THURMANSCALE.COM)

## SINGLE CELL DESIGN

Thurman's 8130/8140 Side Arm Mechanical Scales rely on a legendary single load cell analog system to provide truck scale operations with accurate weight data, without the complexities of hydraulically actuated signals, proprietary hardware, potential leaks and load cell summing/trimming.



## INTEGRATED RUB RAILS

An added benefit to Thurman's Side Arm Mechanical Scale design is rub rail integration. No need to purchase rails separately.



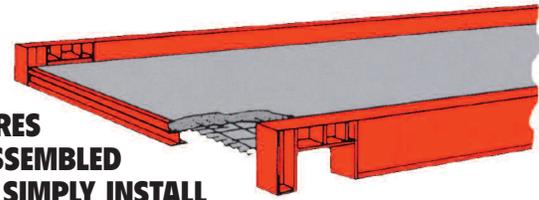
## NATURAL VENTILATION

Structural steel wide-flange I-beams create a natural open-bottom ventilation system that combats moisture accumulation, that leads to corrosion.

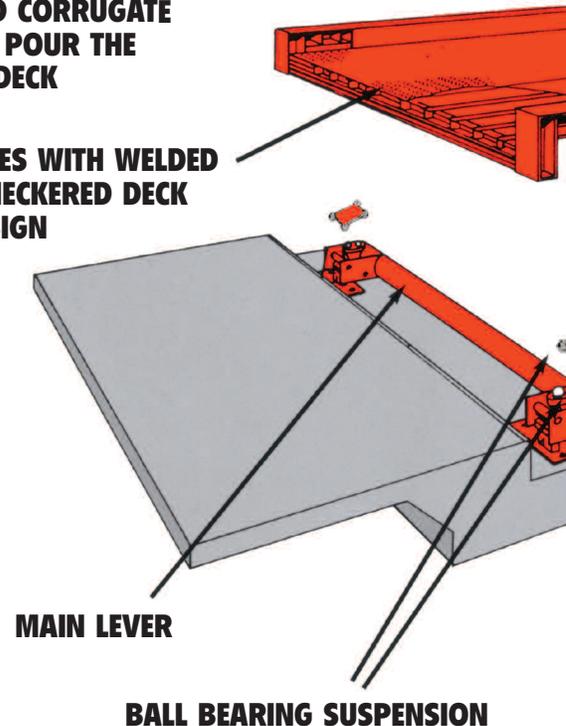


**T THURMAN**  
SCALE  
**TOUGH SCALES FOR TOUGH JOBS**

**8130 FEATURES  
FACTORY-ASSEMBLED  
MODULES - SIMPLY INSTALL  
REBAR AND CORRUGATE  
KITS, THEN POUR THE  
CONCRETE DECK**



**8140 COMES WITH WELDED  
SAFETY CHECKERED DECK  
PLATE DESIGN**



## 8130/8140 SIDE ARM MECHANICAL TRUCK SCALES WITH LOW PROFILE AND CONCRETE OR STEEL DECK

The 8130/8140 Side Arm Mechanical Design Truck Scales have been field proven to outlast other scale designs for decades in demanding heavy capacity applications, such as gravel yards and landfills.

**LEVERS** — The main levers load a connecting backbone pipe that runs parallel to the length of the weighbridge, allowing for a shallow approach, pitless installation.

**LOW PROFILE** — The 8130/8140's low profile design offers many benefits over the traditional scale pit design, including reduced construction costs and simplified maintenance.

**COST SAVING** — Installation of an analog Side Arm Mechanical Truck Scale is straight-forward, with no added costs for pit excavation or load cell balancing, trimming and summing.

SAM scales are uniquely designed, combining an extremely reliable mechanical lever system with the benefits of an above-grade, low-profile design.

**WEIGHBRIDGE** — The **8140 Model** comes with a raised pattern steel deck that allows the scale to be placed into operation within a few hours of site delivery. The weighbridge arrives as factory-assembled modules. Each module connects to the adjoining module through use of an exclusive connecting step hinge. The step hinges are manufactured as matched sets, assuring fit and completely eliminating the need for field welding.

The **8130 Model** weighbridge consists of factory-assembled modules, prepared for concrete field pour. The modules arrive on site and are then joined with Thurman's exclusive connecting step hinges before the deck is prepared and poured.

### STRINGERS

Running the entire length of the scale, these steel beams provide strength directly where it is needed most — under the truck tire path.

### SIDE RAIL DESIGN

The main beams act as safety guard rails, ensuring that trucks remain fully on the scale.

### PIVOTS AND BEARINGS

Constructed of hardened, aircraft grade, high strength alloy steel.

### CONNECTING BACKBONE PIPE

### TRANSVERSE LEVER

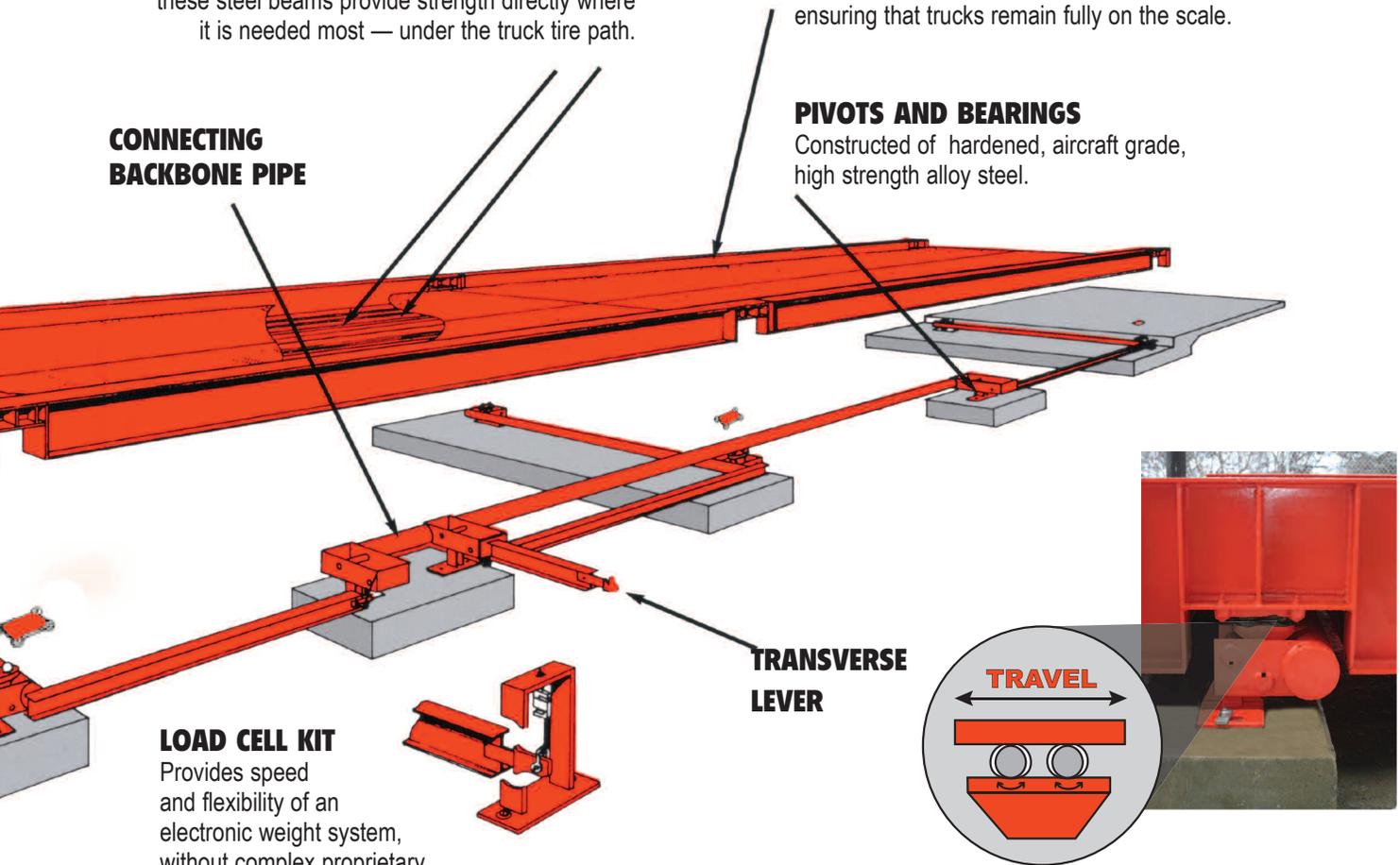
### LOAD CELL KIT

Provides speed and flexibility of an electronic weight system, without complex proprietary components.

### GRAVITY ASSISTED 360° SUSPENSION AND CHECKING

Eliminates the need for check rods.

**CLC OPTIONS** Thurman's SAM scale is available with a concentrated load capacity of 60 k, heavy duty 90 k, or extreme duty 120 k.



Thurman's 8140 Side Arm Mechanical Truck Scale is perfect for inbound/outbound applications, in recycling, waste management, aggregate and mining.

# 10 WAYS SIDE ARM MECHANICAL OUTPERFORM HYDRAULIC TRUCK SCALES

1. Legendary, time-tested performance
2. Superior structural integrity
3. Fewer components
4. No specialized maintenance required
5. Less expensive installation
6. Faster, easier maintenance
7. No complex communication network
8. No leaks
9. No scale balancing, summing or trimming
10. Unsurpassed lightning protection

# 8130 / 8140 SAM

## SIDE ARM MECHANICAL TRUCK SCALES WITH CONCRETE OR STEEL DECK



SAM concrete deck

### EXPERIENCE THE POWER OF THURMAN

#### IT'S THE SUPERIOR CHOICE

Thurman Scale offers one of the broadest lines of vehicle scales and heavy capacity weighing equipment on the market. For more than 90 years, Thurman has focused its efforts into building superior products and delivering complete customer satisfaction. That's why we believe you'll find Thurman to be the most valuable choice for all your vehicle weighing needs.



SAM steel deck

#### SPECIFICATIONS

##### Platform sizes

10', 11' and 12' widths  
25' to 90' lengths  
Custom sizes available

#### 8130 / 8140 SAM

10', 11' and 12' widths  
25' to 90' lengths  
Custom sizes available

#### 8140 SAM XD

10', 11' and 12' widths  
25' to 90' lengths  
Custom sizes available

##### Profile

19"/18"

20"

26"

##### Capacities

40-ton to 100-ton

60-ton to 120-ton

40-ton to 135-ton

##### CLC

60 k

90 k

120 k

##### Number of sections

2 to 4

2 to 4

2 to 4

##### Suspension

Self-restoring, ball bearing

Self-restoring, ball bearing

Self-restoring, ball bearing

##### Deck construction

Field pour concrete or welded steel

Field pour concrete or welded steel

Welded steel

##### Product assembly

Modular

Modular

Modular

##### Load cell type

S-type

S-type

S-type

##### NTEP CC#

88-036

88-036

88-036

#### OPTIONS



Scale instruments



Remote displays



Traffic signals



Ticket printers



Deck runners



Coal tar undercoat

### LOCAL AUTHORIZED THURMAN DISTRIBUTOR

Call toll-free:

**(800) 688-9741**

Call between 8:00 a.m. – 5:00 p.m. Central Time  
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