



8140 SAM

SIDE ARM MECHANICAL TRUCK SCALES WITH LOW PROFILE AND STEEL DECK



CC# 89-036



MC# AM-6004



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

SINGLE CELL DESIGN

Thurman's 8140 Side Arm Mechanical Scales rely on a legendary single load cell analog system to provide truck scale operations with accurate weightment 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

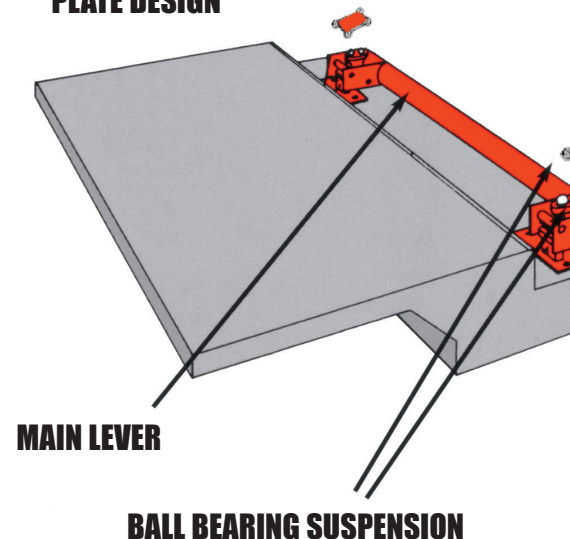
Structural steel, wide-flange I-beams create a natural open-bottom ventilation system that combats corrosion by mitigating moisture accumulation.



TOUGH SCALES FOR TOUGH JOBS

**STRUCTURAL STEEL
WEIGHBRIDGE**

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



MAIN LEVER

BALL BEARING SUSPENSION

8140 SIDE ARM MECHANICAL TRUCK SCALE WITH LOW PROFILE AND STEEL DECK

The 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.

WEIGHBRIDGE — The 8140 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.

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.

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

LOW PROFILE — The 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.

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

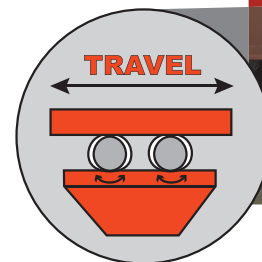
Constructed of hardened, aircraft grade, high strength alloy steel.

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.



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 SCALES 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

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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 100 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.



8140 SAM

SPECIFICATIONS

Platform sizes 10', 11' and 12' widths;
25' to 90' lengths;
Custom sizes available
Capacities 40-ton to 100-ton
Number of sections 2 to 4
Concentrated load capacity (CLC) 60,000 lbs
Suspension Self-restoring, ball bearing
Deck construction Welded steel deck
Product assembly Modular

Load cell type Single S-Beam
Scale profile 18"
Approvals NTEP CC # 88-036, MC # AM-6004
FM (load cell)
Options Deck runners, coal tar undercoat,
drop plates, blow down plates
Communications Choice of analog or digital Intalogix
Technology for enhanced load cell
monitoring and lightning/surge
protection

ACCESSORIES

Scale instruments



Traffic lights



Safety stairs



Remote displays



Ticket printers



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