



# **SD & CD Steel & Concrete Deck Truck Scales**



## Exceptional Performance

Ramara Weigh Scale SD and CD truck scales offer an unbeatable combination of structural integrity and cost-effective vehicle weighing. Wide-flange beams and cross members provide exceptional strength and durability. Steel or concrete deck models are available to meet the needs of your application. A low 20-inch profile reduces construction cost by allowing for a shorter approach.

## Features

The optional single stainless steel Nema 4 junction box eliminates water damage by splices to additional boxes. Side access to load cells and junction box facilitates ease of adjustment and maintenance. All components being located above the bottom of the weighbridge eliminates damage to components due to rain, ice or debris. All cabling is run through conduit under the top flange of the I beam. Heavy-duty steel guiderails are welded to the outside of the main beam for added safety.

## Load Cell Mount

The self-checking load cell mount returns the scale to center without the use of check rods. Located above the bottom of the weighbridge, all wires, conduit and load cells are safe from damage. The mount has stainless steel upper and lower receivers and copper transient bypass cable. The 88,000 pound load cells can handle heavier loads, reducing costly failures.



## Guiderails

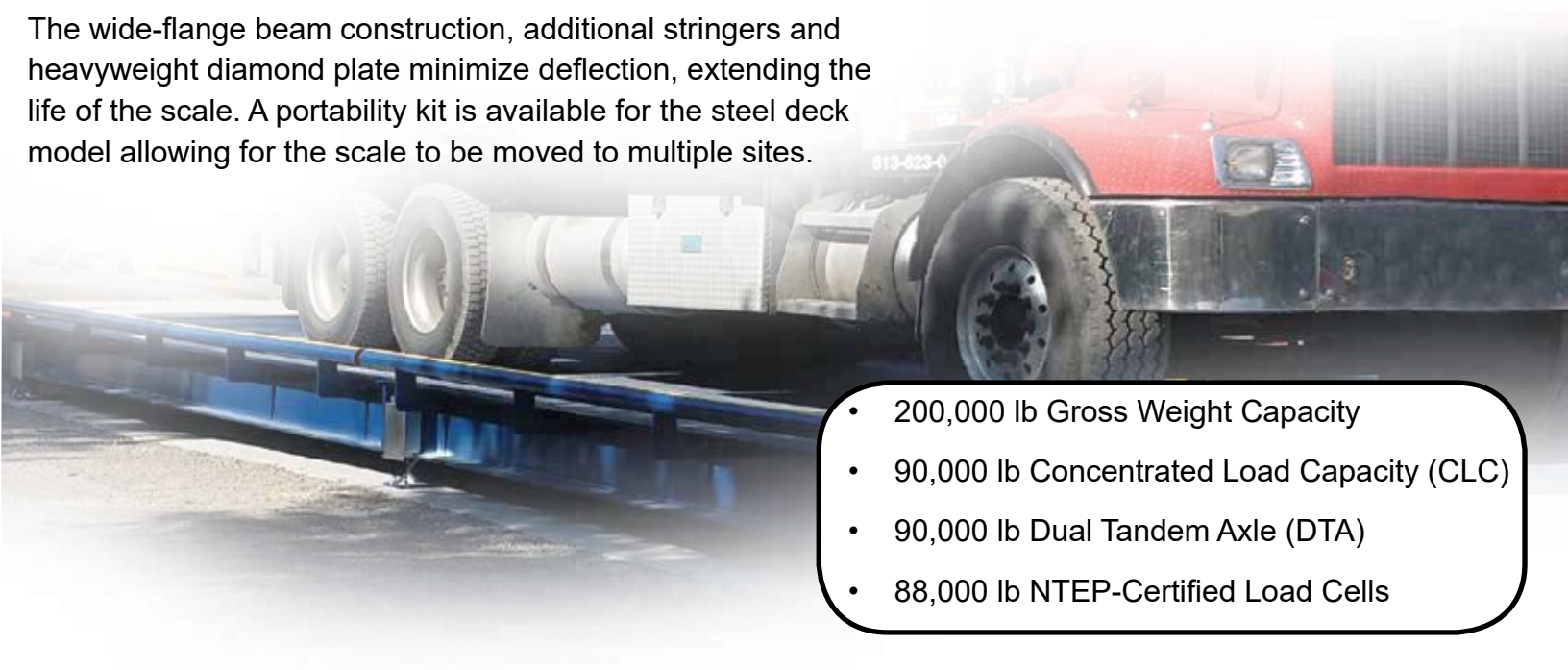
Heavy-duty steel tubular guiderails are welded to the main beams every few feet. The guiderails keep the vehicles from driving off the weighbridge and the tubular design decreases the possible damage to tires. The ends are capped to reduce the possibility of rust causing moisture build-up.

## SD Steel Deck, Side Access

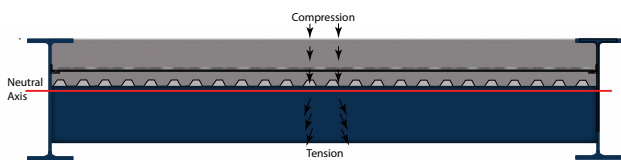
The steel deck design features heavy duty 14-inch wide-flange main beams. Cross members between the main beams are made of 8-inch wide-flange I-beams. 4-inch wide-flange beams, supported by the cross beams below, extend the length of the scale in the direction of the traffic flow. 5/16-inch diamond checker top plate welded to the main beams completes the design.



The wide-flange beam construction, additional stringers and heavyweight diamond plate minimize deflection, extending the life of the scale. A portability kit is available for the steel deck model allowing for the scale to be moved to multiple sites.



- 200,000 lb Gross Weight Capacity
- 90,000 lb Concentrated Load Capacity (CLC)
- 90,000 lb Dual Tandem Axle (DTA)
- 88,000 lb NTEP-Certified Load Cells



## CD Concrete Deck, Side Access

The concrete deck design boasts 14-inch wide-flange main beams and 6-inch wide-flange cross members. Galvanized deck pan and rebar placed on top of the cross members allows for 8-inches of concrete to be poured above the neutral axis of the weighbridge. The concrete above the neutral axis is always in a compression state eliminating bending which can cause cracks in the deck.

- 200,000 lb Gross Weight Capacity
- 110,000 lb Concentrated Load Capacity (CLC)
- 110,000 lb Dual Tandem Axle (DTA)
- 88,000 lb NTEP-Certified Load Cells



## Superior Finish

Finishing is a three-step process. Areas welded are cleaned of all welding flux, and oil accumulation. The steel is then completely wire brushed. All modules, and stands are then painted with a two-part epoxy primer. Care is taken to ensure all areas receive coverage. When completely cured, all areas receive the finish coat. Finish coat is a poly urethane, high solid, quick cure, type. Finishes are available in either high gloss or matte cure.

Finish colors are completely up to the customer. Colors can match corporate, or location livery.

If safety concerns are in place, high visibility colors can also be applied.

## Tailor Made

Many manufacturers will require you to make costly site adjustments to fit their existing design. We will save you money by modifying our design to fit your needs. RAM Series truck scales are very easily adaptable to fit existing foundations. Custom lengths, and profiles are easily achieved, by varying the module length, and the height of the load cell stands. Additional height can be achieved again by varying the dimensions of the load cell stand. This may be necessary in areas where snow accumulations are a concern. Choose your own paint color to match your existing equipment or corporate colors.

## Foundations

The correct foundation is essential to the performance of the weighbridge.

The foundation can be either individual piers, pit, or a floating slab arrangement. The type of foundation is dependent on location, soil bearing capacity, and use of the scale. Drainage must be considered, both types of foundation must ensure water drains away from the load cells, and electronics. Advise on which type can be recommended during a pre-installation site visit.

Foundation options include, bollards, sidewalks, curbs, and catwalks. Pricing on these items are available at time of quotation.

Pier Foundation



Floating Slab Foundation



Pit Foundation

