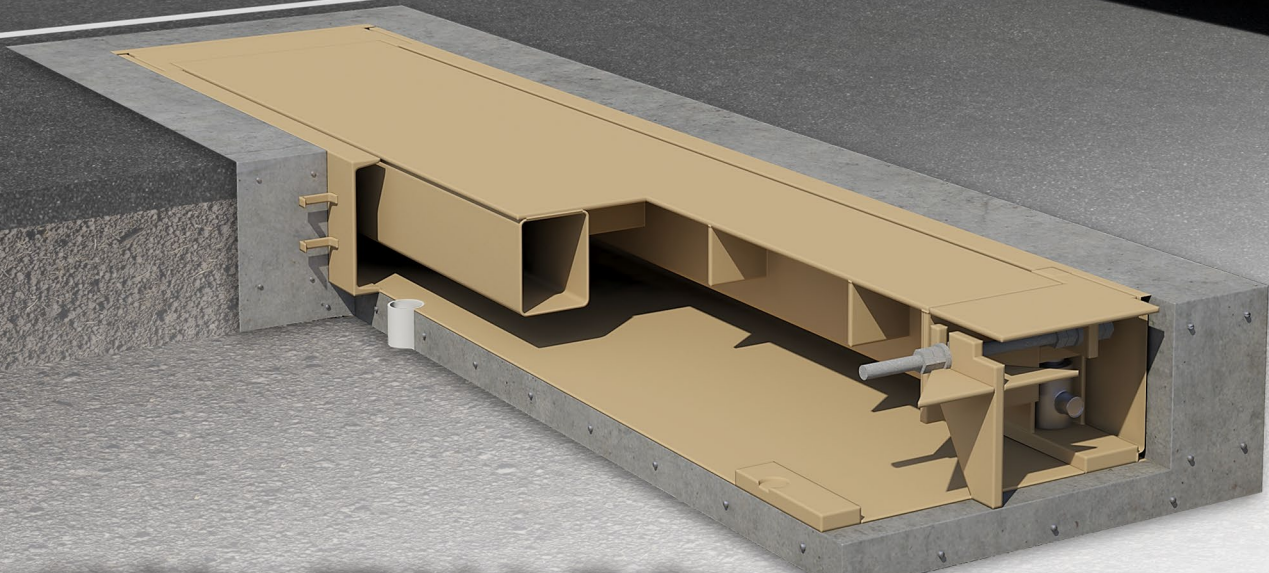
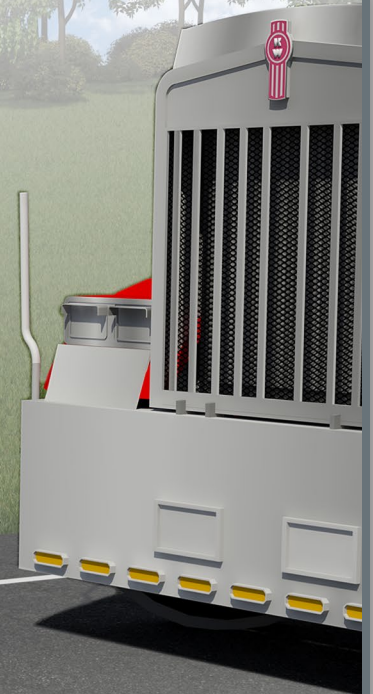


SWIM

SLOW-SPEED IN-MOTION SCALES



Load Cell-Based Weigh-in-Motion

- **SMALL FOOTPRINT:** Occupies only a small fraction of the space needed for a full-length static truck scale
- **AXLE WEIGHTS:** Weighs axle weights plus total weight while the vehicle is in motion up to 20 mph
- **SAVES TIME:** Weighs vehicles without the need for the driver to stop – saves time and traffic congestion
- **QUALITY:** Welded steel weighbridge designed for performance/longevity

Weight-In-Motion		
Axle	Weight	Counts
1	23780	
2	17076	
3	13117	
4	12817	Axles overwt 1
5	17564	Trucks overwt 1
TOT	84354	0

-860 BZ ESC) MENU

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Cardinal's SWIM scale will capture individual axle weights plus the total gross weight while the vehicle is in motion.

SWIM

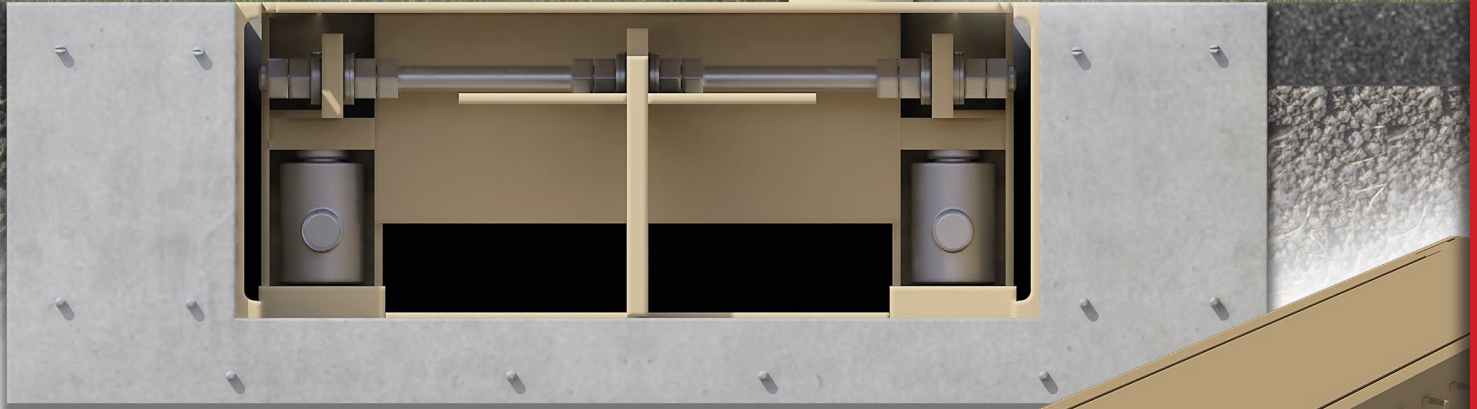
SLOW-SPEED IN-MOTION SCALES

- **SPEED:** The SWIM scale will provide gross vehicle weights at speeds up to 20 mph.

Note: As speeds go up, accuracy will go down. 7-10 mph should be the target speed.

- **ACCURACY:** Provides gross vehicle weights within 1% at speeds less than 10 mph.

- **COST SAVINGS:** The SWIM provides a low-cost alternative to traditional static weigh scales.



Load Cell-Based Weigh-in-Motion

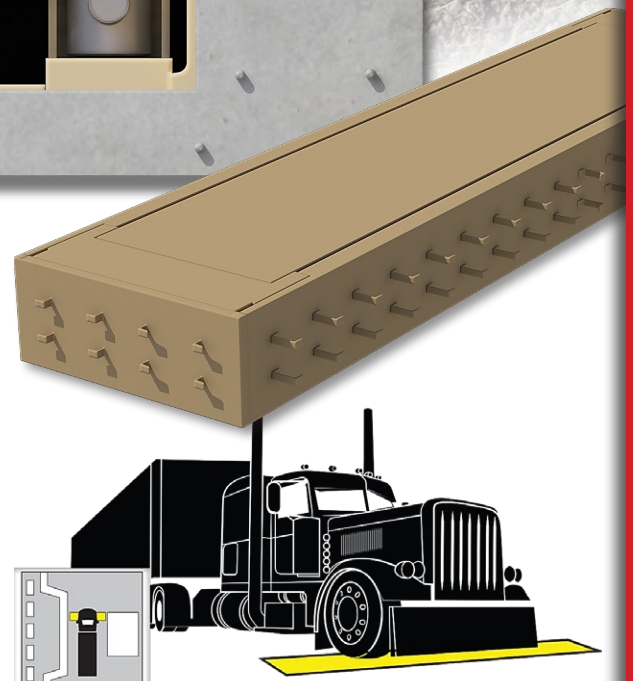
Weight-In-Motion		
Axle	Weight	Counts
1	24040	
2	29910	
3	29228	
	Axles overwt	0
	Trucks overwt	0
TOT	83178	0

ESC|MENT

The Cardinal SWIM series of slow speed in-motion vehicle scales offers the ideal combination of accuracy and speed. The SWIM in-motion scale's welded steel platform is typically the length of a traffic lane and is contained within a single framework. Each platform is supported by four Cardinal stainless steel analog compression load cells to weigh each axle end of a vehicle as it travels across the scale. The weighing

platform is approximately 14 feet in width and 3 ft in length and is constructed of a smooth steel plate. The weighbridge is mounted in a pit less than 1.5 feet deep, so very little space is needed for this axle weighing truck scale. The extremely stiff and rigid weighbridge, coupled with four 50,000-pound capacity Cardinal strain gauge compression load cells, results in a higher resonant frequency allowing more efficient filtering of spurious weight signals.

- Includes four 50,000 pound capacity NTEP and OIML certified stainless steel compression load cells. These are the same load cells used in many of Cardinal's legendary static vehicle scales
- Rigidly-checked, fully-welded heavy capacity steel weighbridge
- Includes NTEP and OIML certified weight indicator
- Speeds up to 10 mph with 1 percent error rates
- Integral load cell stainless steel junction box
- Available accessories include axle sensors, vehicle classifier, traffic control, license plate readers, DOT readers, and custom software



SLOW-SPEED WIM

Applications:

- Freight Terminals
- Commercial Fleet Axle Weight Monitoring
- Axle Compliance
- Ports (SOLAS Regulations)

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SOLD BY:

Cardinal
Cardinal Scale Manufacturing Co.
102 E. Daugherty, Webb City, MO 64870 USA
Ph: 417-673-4631 or 800-441-4237 • Fax: 417-673-2153
www.CardinalScale.com