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2015-2016 Edition



[DURABIM TRUCK SCALES]

Superior quality scales made in Quebec

Introduction

Established since 1928, **Balances Industrielles Montreal (BIM)** is renowned across Canada for the quality of its products and for its efficient service.

With more than 10 experienced technicians to serve you, 3 systems specialists / programmers, and 4 accredited inspectors from Measurement Canada, we have all the skills and equipment for the development, installation and maintenance of complex weighing systems and projects.

Our efforts in research and development have enabled us to introduce many innovations in weighing technology. Our programming department at the forefront of technology can meet all the challenges of automated weighing, allowing customized integration of weighing systems to your equipments, whether it is for production, control, or databases.

All components and equipment used in the manufacturing of our products are rigorously inspected and approved to ensure our customers the highest quality standards.

For more information, clarifications or general inquiries about our products and services, do not hesitate to contact us. All descriptions contained herein may be modified according to your needs.



Specifications

Capacity:

DURABIM scales are available from 10 to 150 metric tons capacity and all offer a 10 kg graduation. Each module has a concentrated load capacity (CLC) of 45 t.

Deck Type:

Modular **DURABIM** weighbridges require no assembly during installation and are built in standard sizes of 10', 15', 20', 25' and 30' x 10' or 11' wide. All BIM products can also be tailored to suit your specific needs.

DURABIM weighbridges are offered in Steel, Concrete, Above Ground, In Ground, Portable, Multi-Deck and Low Profile: Consult your sales representative to determine which model suits you best.

Construction:

Heavy-duty welded steel structure offering the lowest load deflection on the market (**1/900**, dependent on model) ensuring greater accuracy and long term calibration.

Each module consists of 8 oversized WF-beams of 12 inches joined by 5/8" plates and reinforcements of HSS cross member tubes. The cover of the deck is coated with a 3/8" non-skid plate, ensuring a greater lifespan. BIM's unique "nested" modular system allows easy extension of the balance and provides optimum load distribution.

Protection of load cells cabling is ensured by a pipe system hidden under the deck avoiding damage caused by weather and rodents.

In addition, **DURABIM** weighbridges feature stabilizations supports and four lifting brackets for an easy installation, maintenance operations, and de-icing.



Design:

The design of **DURABIM** decks allows free air circulation which prevents moisture retention in the structure and provides a uniform heat distribution when heating / de-icing systems are installed.

DURABIM platforms offer the best clearance under the deck, facilitating installation, maintenance, and minimizes snow removal operations during the winter.

DURABIM decks have no manhole, therefore protecting cells against water seepage, mud and snow. Instead, we offer easy access to the components from the side of the deck. **DURABIM** decks are designed in Quebec to suit the local climate!

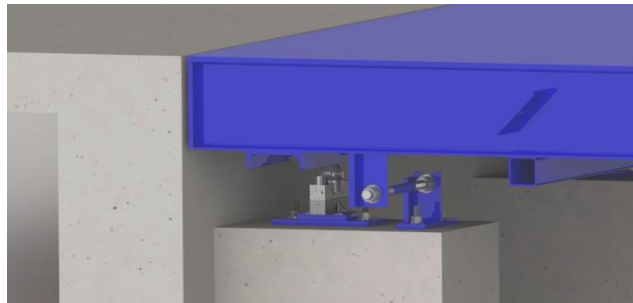


Image for illustrative purposes

Stabilization system:

To minimize the movement of the platform during the passage of vehicles, **DURABIM** decks have four adjustable and easily accessible 1-1/4" stabilizing bars. Their careful positioning avoids misalignments caused by thermal expansion of the deck, thereby minimizing maintenance and measurement errors.

Summing box:

The **DURABIM** summing box is provided with a high quality adjustment matrix (cells and sections) and modular anti-lightning protection (transient). It is made of waterproof polycarbonate NEMA4 with an anti-condensation vent and comes with a drying unit. These features will provide the best protection against elements as well as sustainability of the metrological adjustments.



- Lightning protection:** In addition to the electronic protection of the summing box, each cell assembly is equipped with a 1" high-density arboron insulator exclusive to **DURABIM** truck scales. The protection system is completed by an inter-modular grounding circuit (MAT rod not included) which ensures optimal protection of electronic components that have nothing to envy regarding expensive hydrostatic systems.
- Rust proofing:** All surfaces beneath the deck are protected from corrosion by a process exclusive to **DURABIM** truck scales: a layer of natural inhibiting wax in addition to a layer of waterproof bituminous sealant, guarantees the best protection on the market against the climate in Quebec.
- Finish:** All exterior surfaces are cleaned with acid, then they are protected by a zinc epoxy primer of **4 mil** thickness followed by a finish of high quality urethane of **4 mil**.
- Quality Control:** All BIM products are manufactured in a factory governed by a quality management system according to **ISO-9001, 2008** standards. Structures designed by BIM are validated by digital load simulation and each stage of manufacturing of the **DURABIM** weighbridges is rigorously validated by our Quality Manager. In addition, all masses and calibration equipments used during the tests and controls are certified by Measurement Canada and traceable at a national level.
- Approval:** **DURABIM** weighbridges are compliant to Measurement Canada's SA-01 standard and are legal for trade under the **AM-5165** class approval.
- Warranty:** **DURABIM** decks are covered by a full warranty against wear and manufacturing defects for a period of **10 years**.



Load Cells

Type: 3" ball bearing load cells of a 40 metric ton capacity each ensure balance and perfect load distribution. Built in tool steel, BM-QS cells are **hermetically sealed**, offering an increased protection of the strain gauges and have a high quality polyurethane cable.

When necessary, BIM can offer extra protection against rodents, consisting of flexible liquid tight conduits.

Quality Control: All BM-QS load cells are tested in-house at 100% capacity, are compensated in temperature from 40 °F to 135 °F, and have a safe overload of 200%.

Approval: Manufactured in an **ISO 9001** certified factory, BM-QS cells are approved for use on **NTEP** legal for trade scales in Canada.

Warranty: BM-QS load cells have a **5-year** warranty against defects.



Accessoires et options

- Skirting
- Rail guards
- Custom color
- "Turnkey" foundation
- Printer
- Remote scoreboard
- Traffic lights
- Detection buckles
- Entry / Exit barriers
- Security bollards
- Sidewalk and access steps
- Communication System (Intercom)
- House Guard Weighing Station
- Radiation Detectors
- Galvanizing
- Automated System
- Weighing Management Software
- RFID
- Camera
- Etc...



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