

Compression type Load cells

EMHA offers an extensive range of compression style load cells for a wide range of measurement applications and weighing. Compression style load sensors comprise a spring element designed to be loaded at one point or area in compression.

Depending on your particular needs our in house engineering and design service work on the custom load cell range from simple modifications to complex projects.

Our capacities range from 1 tons up to 3000 tons.

Our extensive product categories

- Ring load cells
- Base Mount Compression Load Cells
- Web-plate style load sensors
- Canister or column style load cells
- Tension and compression type load cells
- Through-hole force sensor
- Pancake style load cells
- Low profile style load cells

We aim to provide the best possible solution for each application we encounter.

Features and benefits of low profile load cells:

- Custom built to your specific application
- Sturdy design for use in harsh and challenging environments
- Easy to install, operate and remove
- Highly accuracy
- High tensile stainless steel for long design life
- High resistance to offset loads
- Capacity 1 to 3000 t.
- Protection class: IP66 (IP68 on request)
- Cable length: 5 m (other lengths available on request)

Available options:

- Cabled or wireless
- Connector on client specification if required
- Dual bridge output (A & B strain gauge bridge network) for redundancy
- Amplified output(Analogue or digital)

Field applications:

- High Accuracy Low Profile Load Cell for Industrial Weighing Applications
- Silo Weighing Solutions
- Tank and bin weighing load cells
- Waterproof Low Profile Load Cells (fully submersible for stinger applications) Used for single or multi-point load monitoring applications, they feature an all stainless steel design and are hermetically sealed for washdown, wet areas and subsea.
- Stinger compression style load cells designed for operation underwater. Applications include pipelay rollerbox systems, locks and dry docks, marine load applications and weighing, submerged platforms, and all industrial weighing where pit flooding occurs.
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Custom Built Load cells

Our strengths are our expertise and longtime experience.

We at EMHA specialize in the design and manufacture of high quality strain gauge transducers for a wide variety of client markets, to mention Oil & Gas, Port Equipment, Renewable Energy development, Dredging, Cranes and Winches, Civil Engineering, Heavy Industry and Industrial Markets.

Our wide range of products and excellent project management meet the highest requirements of the offshore, marine and industrial sectors.

Together with you, we continually develop new products to meet more stringent requirements and adapt to more complex applications.

All custom designed load cells are designed using the latest technology in modeling and Finite Element Analysis, and manufactured through our dedicated Process Quality Management System. Even the most adverse conditions have no negative effect or impact on our high-quality heavy duty products.

Our advanced load cell testing facility has a capacity up to 5400 kN compression and 1000 kN tension/compression, traceable to the National Standards.

Our in-house engineering team and product specialists are geared to provide custom design to almost all of your specific requirements for splash zone, sub- and deep-sea.

Our brief portfolio in customized solutions and proven products

- Load cells for Offshore Oil & Gas applications
- Load cells for Port & Industrial applications
- Load cells for Civil Engineering applications
- Load cells for Deep Sea applications
“Load monitoring in the depths of the sea is our highest ambition.” Exploring the limits of performance: We are there – down to 3,800 meters depth in seawater.

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Our extensive product categories

- Shearpin type loadcells
- Tension type load cells
- Shackle Load cells
- Spelter socket load cells
- Wedge socket load cells
- Compression type load cells
- Ring load cells
- Base Mount Compression Load Cells
- Web-plate style load sensors
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- Dual bridge output (A & B strain gauge bridge network) for redundancy
- Amplified output (Analogue or digital)
- Subsea cable connection : Depth: up to -3500 m (350 bar)
- Wireless load-measuring design.
- Internal antenna for added protection
- ATEX / IECEx certified





