



Compressive Load Cell

Robust column style load cells ideally suited for accurate compressive force measurement in harsh conditions. Designed for general compressive load measurement these load cells are robust and precise.

At home in any environment whether indoors or outdoors or even subsea. They provide precision load monitoring for applications such as:

- Container Weighing
- Centre of Gravity Weighing
- Jacking Force Measurement
- Hydraulic Press calibration.
- Pile Force Measurement.
- Laboratory weighing & calibration.

Cabled



Wireless



Features

- Capacities from 2Te to 1000Te as standard.
- Cells designed to exactly suit your application.
- Robust, Compact, Stainless Steel design.
- Accurate to better than 1%
- Proof Load 200% (LOLER Compliant)
- Safety Factor of 5:1
- Supplied with domed top and spherical loading cap.
- Operating Temperature -20°C to +80°C as standard.
- Enclosure IP67 rated.
- Every unit load tested and certified.
- Designed & Manufactured by Power Jacks in the UK.

Options

- Wireless and cabled options available.
- Output options include mV, mA, V, RS232 with others available on request.
- Single, Dual and Redundant Bridge Designs
- Extra support base flanges available on request.
- Alternative support base flange designs.
- Cabled versions have a glanded exit with a long 10m flying cable as standard. Other lengths available on request.
- Plugin Connector versions available.
- Integral signal conditioning available.
- ATEX version available for Zones 0, 1 and 2.
- ATEX Zone 0 available (cabled design)
- Subsea variants available on request.

Accessories

- Matched handheld telemetry display for wireless models. Up to 12 wireless load cells can be linked to the handheld display for individual or summed load values.
- Integral carry handle.
- Matched Connectors.
- Fixed display monitor.
- Data logging software for your complete system solution.



Design Detail

Typical Load Cell Sizes

Capacity (Tonne)		50	100	200	300	500	1000
Diameter (mm)	øA	75	120	125	150	200	290
Height (mm)	B	110	142	180	180	300	425
Loading Diameter (mm)	øC	60	90	110	130	170	250
Spherical Cap Diameter (mm)	øF	65	93	125	150	200	290
Spherical Cap Height (mm)	G	10	18	30	30	50	50

Optional Support Base Flange

Base Diameter (mm)	øD	130	150	150	200	270	400
Base Height (mm)	E	40	50	50	50	50	75

These sizes are just a guide, larger or smaller sizes can be designed to suit your exact application.

We will design and manufacture a load cell to suit your exact application so that you achieve the maximum performance.

