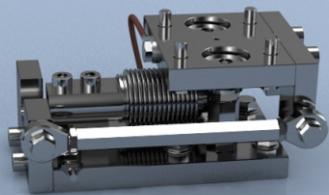




TYPE: BBL-1-WMOUNT



BBL-1-WMOUNT Weighing Assembly

Description

The BBL-1-WMOUNT support is designed to prevent unwanted forces from vessel thermal expansion from affecting the performance of our BBL-1 load cell. The weighing module is compact and cost effective, especially for load cells in hopper and tank weighing applications, and facilitates easy mounting for the engineer on site.

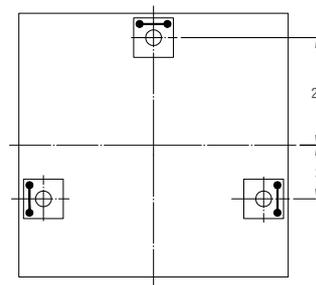
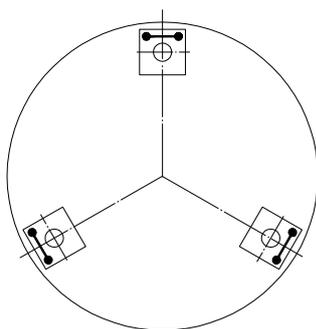
It also incorporates a number of key features that allows the best installed accuracy to be achieved, with a display resolution down to 100g being possible. The unit features an integrated check link to eliminate oscillations caused by slow moving agitators etc, and all modules within a scale are identical and can be freely orientated in any direction. Load cell replacements require minimum lifting height via the integrated jacking device. There is also a safety feature included to prevent the vessel being lifted on the load cell and overload stops to protect the load cell.

If delivered with a load cell, the weigh module will be shipped completely pre-assembled ready for installation by welding or bolting. This assembly along with any required instrumentation (display, amplifier etc.), can be supplied to form a complete weighing system solution.

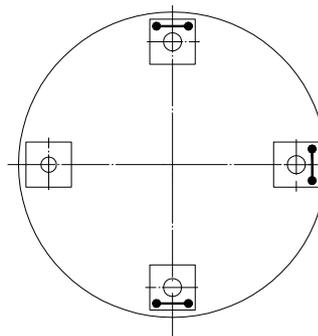
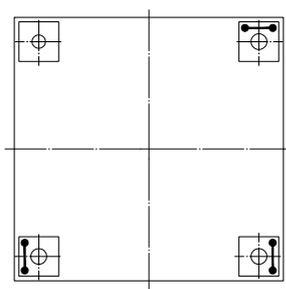
Features

- Capacity range up to 500kg
- Low profile design
- Load introduction by ball and socket joint
- Simple to install
- Integrated check link (max 5kN)
- Rod ends assures a tension-free installation and therefore optimal accuracy/repeatability
- Integrated lift off protection (max 5kN)
- Integrated overload protection
- Manufactured from zinc plated steel

Installation Examples



3 load cells



4 load cells

Drawing symbols



Unit with check link



Unit without check link

Available Options

- Stainless steel version
- Weigh module without check link
- Welding plate
- Welding fixture

Typical Applications

- Vessel weighing
- Hopper weighing
- Process weighing & control
- Tank weighing

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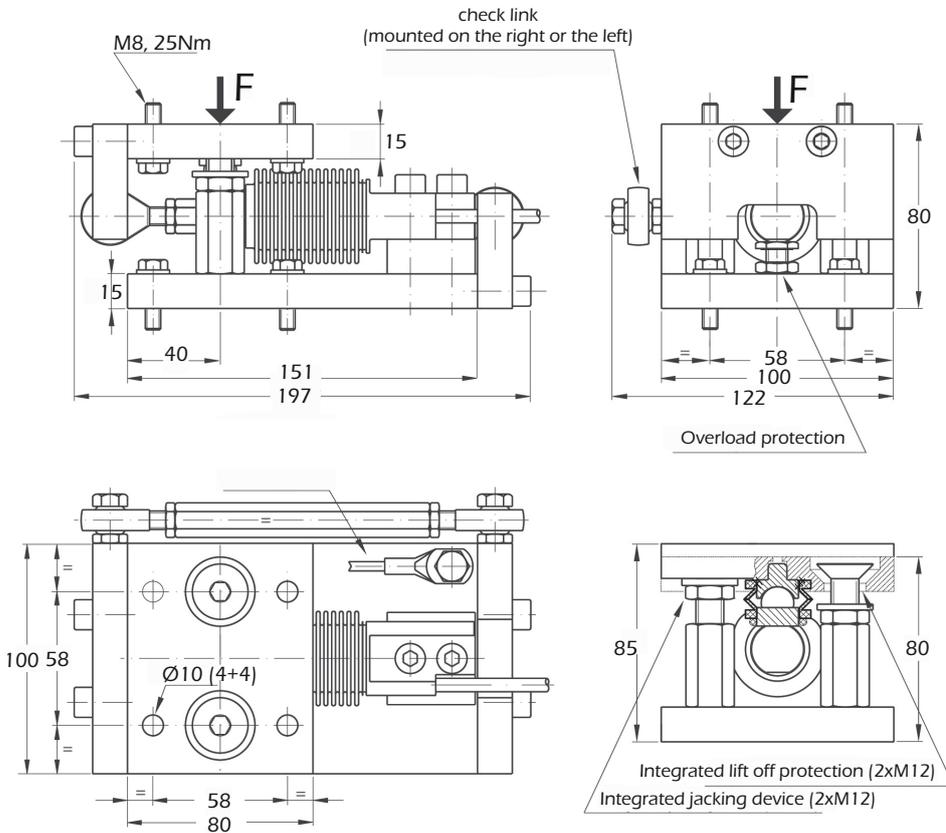
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OLCM SYSTEMS
Solutions in Load Cell Technology

BBL-1-WMOUNT Weighing Assembly

Dimensions



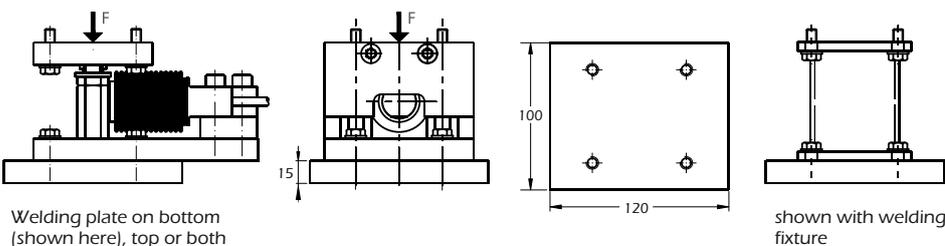
All dimensions are in mm

Notes:

- ⊙ Tank foot and foundation plate to be horizontal
 - withing 0.4/100 for legal for trade applications
 - withing 0.8/100 for general applications
- ⊙ Maximum force on check link: 5kN
- ⊙ Maximum force of lift off protection: 5kN

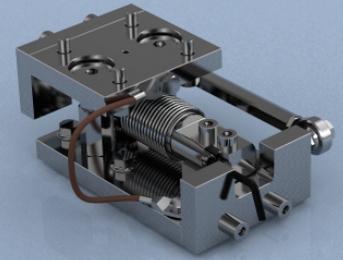
Accessories

Welding plate



Welding plate on bottom (shown here), top or both

shown with welding fixture



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Due to continual product development, LCM Systems Ltd reserves the right to alter product specifications without prior notice.

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