# V15000/V100000-EN1090

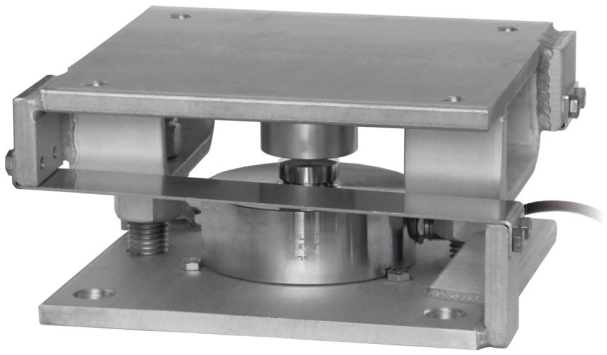
## MOUNTING KIT for COMPRESSION - LOW PROFILE load cells

LAUMAS®

**Series load cells:** **CBL - CBX - CX**

EN 1090

### Up to 100000 kg application range



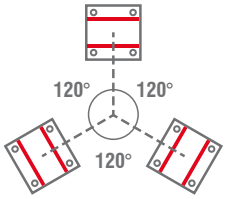
### DESCRIPTION

- AISI 304 stainless steel upper and lower plates.
- AISI 304 stainless steel laminas against lateral forces.
- Anti-tilt constraint consisting of two threaded rods with self-locking nut.

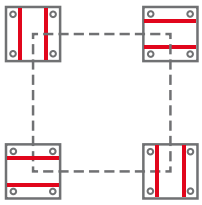
| MAX STATIC LOAD kg | EN 1090 | FOR LOAD CELLS | NET WEIGHT (kg) | CODE |
|---|---|---|---|---|
| 30000 | – | CBL (15000 kg) - CBX (30000 kg) - CX (30000 kg) | 9 | V15000 |
| 50000 | – | CBL (30000 kg) - CBX (50000 kg) | 17.5 | V30000 |
| 100000 | – | CBL (50000 kg) - CBL (100000 kg) | 33.5 | V100000 |
| 30000 | • | CBL (15000 kg) - CBX (30000 kg) - CX (30000 kg) | 9 | V15000EN1090 |
| 50000 | • | CBL (30000 kg) - CBX (50000 kg) | 17.5 | V30000EN1090 |
| 100000 | • | CBL (50000 kg) - CBL (100000 kg) | 33.5 | V100000EN1090 |

*Load cell not included.*

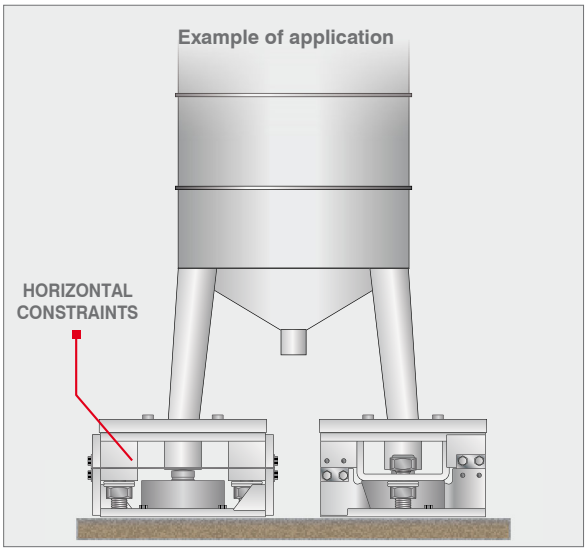
HORIZONTAL CONSTRAINTS ORIENTATION IN STRUCTURES WITH 3-POINT SUPPORT



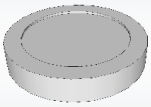

HORIZONTAL CONSTRAINTS ORIENTATION IN STRUCTURES WITH 4-POINT SUPPORT



Example of application




### COMPLEMENTARY ACCESSORIES

| | DESCRIPTION | CODE |
|---|---|---|
|  | AISI 304 stainless steel adapter:<br>V15000/V15000EN1090 for load cells Ø82 mm<br>V30000/V30000EN1090 for load cells Ø100 mm<br>V100000/V100000EN1090 for load cells Ø126 mm | ADAT100<br>ADAT126<br>ADAT165 |
|  | Galvanized steel turnbuckle with dual ball-and-socket.<br>Net weight: 2.10 kg<br>Working load: 2500 kg Ultimate overload: 10000 kg | TENDITORE300 |
|  | Galvanized steel anchor plate for TENDITORE300<br>Net weight: 1.5 kg | PTEND |

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# V15000/V100000-EN1090

## MOUNTING KIT for COMPRESSION - LOW PROFILE load cells

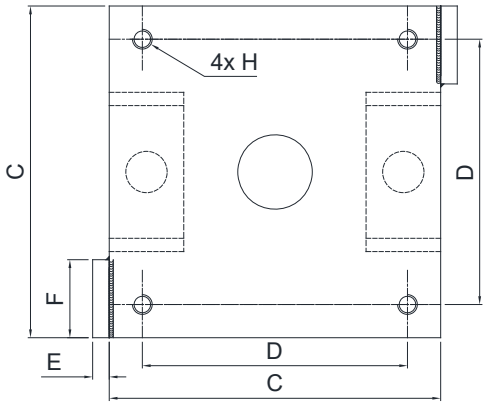
LAUMAS®

### DIMENSIONS AND TECHNICAL SPECIFICATIONS

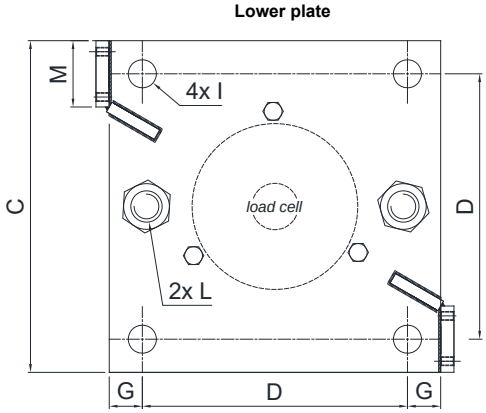
Upper and lower plates [2] must rest completely on not deformable surfaces. To ensure the stability of the structure, the system designer must predict any further precaution against side shifts and anti-tilt in function of: knocks and vibrations, wind effect, seismic conditions and hardness of support structure.

- Install the weighed system using only the mounting kit without the load cell [1] and inserting in its place a piece of pipe (1-2 mm higher than the load cell).
- To finish the installation (weldings, etc..), remove the piece of pipe and then removing the bolts to fix the the load cell [7] insert the load cell [1] in mounting kit.
- Connect lower and upper plates [2] to the earthing system then loosen nuts [5] ; verify that the threaded rod [4] slides into the hole; turn anti-tilt nuts [6] to a distance of 1 mm from plate.
- Tighten the three bolts to fix the load cell [7].

**Upper plate**



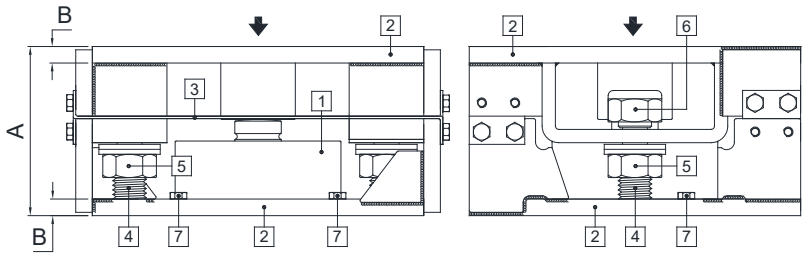

**Lower plate**



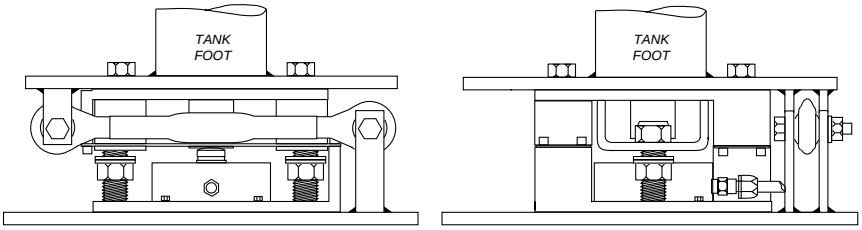

| | A | B | C | D | E | F | G | H | I | L | M | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V15000/V15000EN1090 | 102 | 10 | 200 | 160 | 10 | 47 | 20 | M12x1.75 | Ø17 | M20x2.5 | 40 | 9 kg |
| V30000/V30000EN1090 | 132 | 12 | 250 | 185 | 12 | 70 | 32.5 | M18x2.5 | Ø20 | M24x3 | 60 | 17 kg |
| V100000/V100000EN1090 | 155 | 15 | 320 | 250 | 15 | 95 | 35 | M20x2.5 | Ø23 | M30x3.5 | 70 | 34 kg |

*Dimensions (mm)*

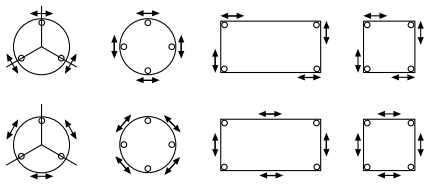
[1] Load cell.
[2] AISI 304 stainless steel upper and lower plates.
[3] AISI 304 stainless steel laminas with horizontal constraint function.
[4] Threaded rod.
[5] Nut to be used as jack.
[6] Anti-tilt self-locking nut.
[7] M6 bolts to fix the load cell.




**Application example:**
**how to make further horizontal constraints with the TENDITORE300 accessory**

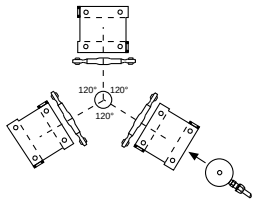



CONSTRAINTS PLACEMENT ON 3/4 SUPPORTS: the horizontal constraints can be positioned both on supports and on the four sides, centrally between two supports.

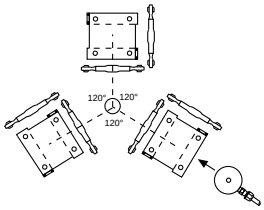


**STRUCTURE WITH 3-POINT SUPPORT**

1 CONSTRAINT FOR SUPPORT

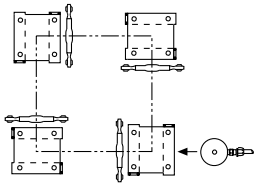



2 CONSTRAINTS FOR SUPPORT

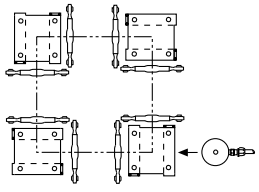



**STRUCTURE WITH 4-POINT SUPPORT**

1 CONSTRAINT FOR SUPPORT



2 CONSTRAINTS FOR SUPPORT



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