

# V15000/V100000-EN1090

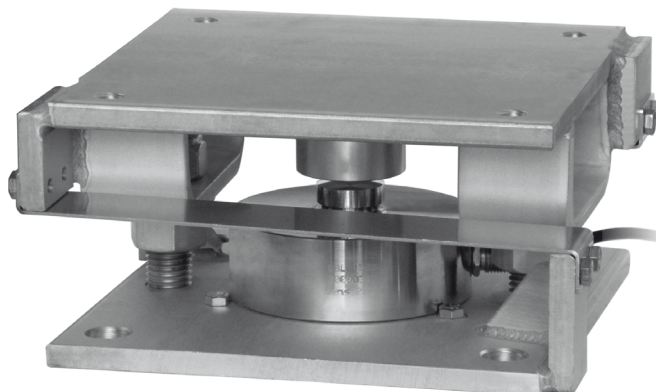
LAUMAS®

MOUNTING KIT for COMPRESSION - LOW PROFILE load cells

Series load cells: CBL - CBX - CX



Up to 100000 kg application range



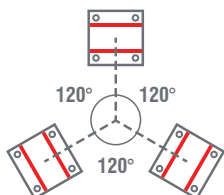
## DESCRIPTION

- 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.

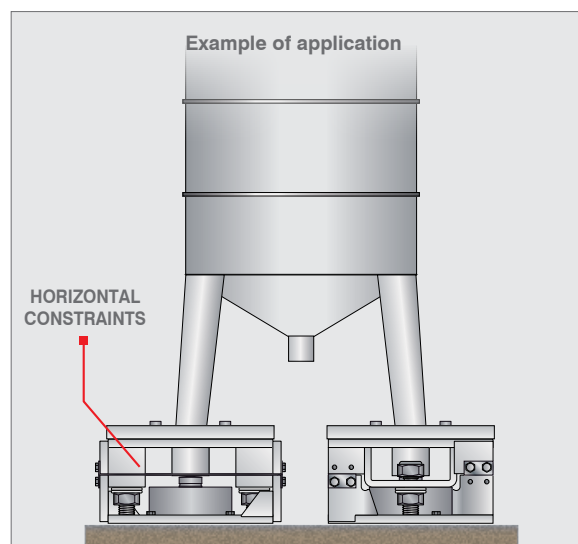
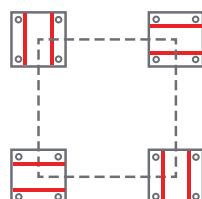
MAX STATIC LOAD	kg	EN 1090	FOR LOAD CELLS	NET WEIGHT (kg)	CODE
30000		–	CBL (15000 kg) - CBX (30000 kg) - CX (30000 kg)	9	V15000
50000		–	CBL (30000 kg) - CBX (50000 kg)	17.5	V30000
100000		–	CBL (50000 kg) - CBL (100000 kg)	33.5	V100000
30000		•	CBL (15000 kg) - CBX (30000 kg) - CX (30000 kg)	9	V15000EN1090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

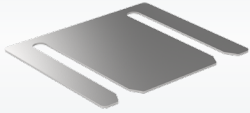
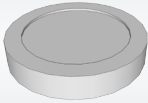




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## COMPLEMENTARY ACCESSORIES

	DESCRIPTION	CODE
	AISI 304 stainless steel shim:	
	V15000/V15000EN1090      h 0.5 mm h 1 mm h 2 mm	SPVZ1505 SPVZ151 SPVZ152
	V30000/V30000EN1090      h 0.5 mm h 1 mm h 2 mm	SPVZ3005 SPVZ301 SPVZ302
	V100000/V100000EN1090    h 0.5 mm h 1 mm h 2 mm	SPVZ10005 SPVZ1001 SPVZ1002
	AISI 304 stainless steel adapter:	
	V15000/V15000EN1090      for load cells              Ø82 mm	ADAT100
	V30000/V30000EN1090      for load cells              Ø100 mm	ADAT126
	V100000/V100000EN1090    for load cells              Ø126 mm	ADAT165
	Galvanized steel turnbuckle with dual ball-and-socket. Net weight: 2.10 kg Working load: 2500 kg              Ultimate overload: 10000 kg	TENDITORE300
	Galvanized steel anchor plate for TENDITORE300 Net weight: 1.5 kg	PTEND

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## MOUNTING KIT for COMPRESSION - LOW PROFILE load cells

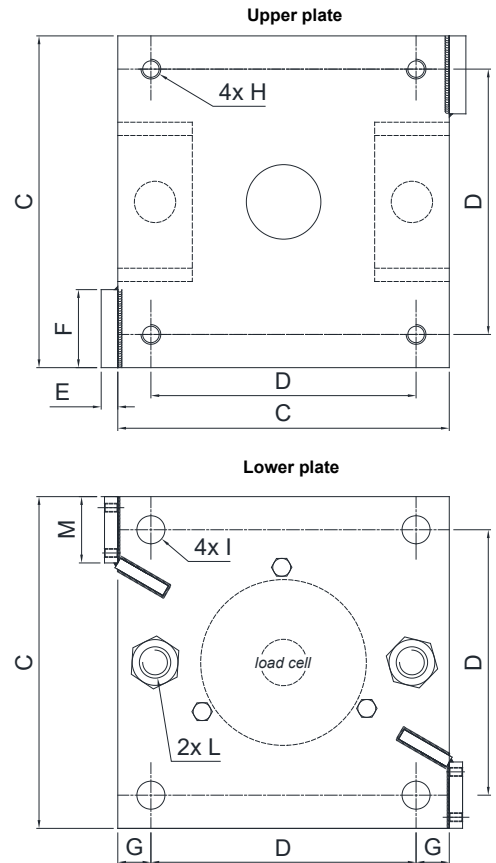
### DIMENSIONS AND TECHNICAL SPECIFICATIONS

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.

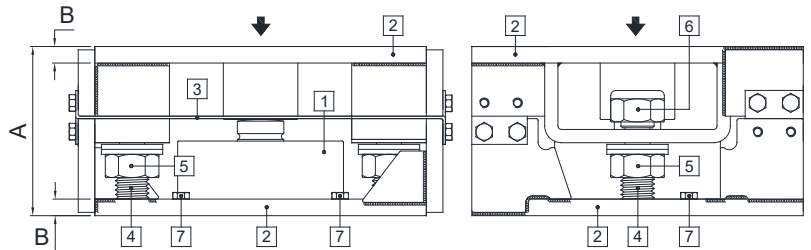
- Install the weighed system using only the mounting kit without the load cell [1] and inserting in its place a piece of pipe (1-2 mm higher than the load cell).
- To finish the installation (weldings, etc..), remove the piece of pipe and then removing the bolts to fix the the load cell [7] insert the 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].

	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

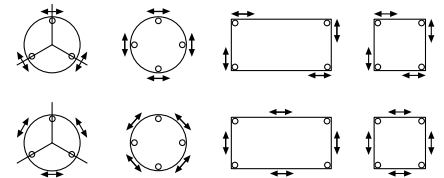
**STRUCTURE WITH 3-POINT SUPPORT**

1 CONSTRAINT FOR SUPPORT

**STRUCTURE WITH 4-POINT SUPPORT**

2 CONSTRAINTS FOR SUPPORT

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



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