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



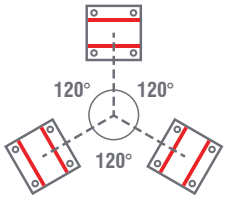
DESCRIPTION

- 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.

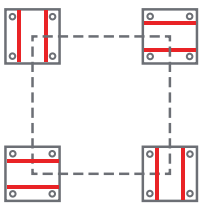
MAX STATIC LOAD kg	EN 1090	FOR LOAD CELLS	NET WEIGHT (kg)	MODEL
30000	–	CBL (15000 kg) - CBX (30000 kg) - CX (30000 kg)	9	V15000
50000	–	CBL (30000 kg) - CBX (50000 kg)	17.5	V30000
100000	–	CBL (50000 kg) - CBL (100000 kg)	33.5	V100000
30000	•	CBL (15000 kg) - CBX (30000 kg) - CX (30000 kg)	9	V15000EN1090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

Load cell not included.

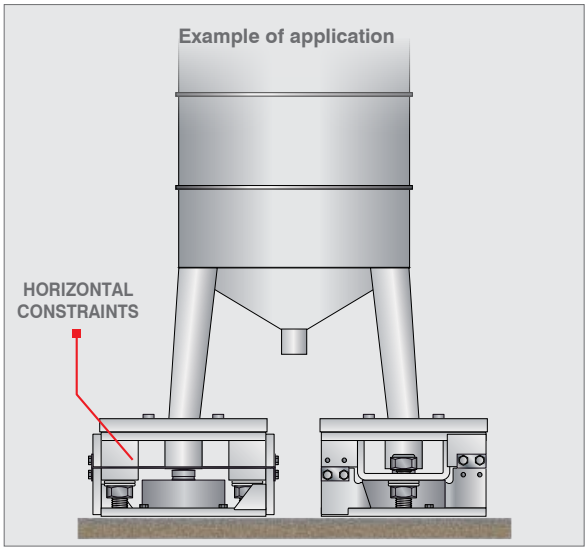
HORIZONTAL CONSTRAINTS ORIENTATION IN STRUCTURES WITH 3-POINT SUPPORT



HORIZONTAL CONSTRAINTS ORIENTATION IN STRUCTURES WITH 4-POINT SUPPORT



Example of application



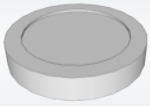
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V15000/V100000-EN1090

MOUNTING KIT for COMPRESSION - LOW PROFILE load cells

LAUMAS®

COMPLEMENTARY ACCESSORIES

	DESCRIPTION			MODEL
	AISI 304 stainless steel shim:			
	V15000/V15000EN1090	h 0.5 mm		SPVZ1505
		h 1 mm		SPVZ151
		h 2 mm		SPVZ152
	V30000/V30000EN1090	h 0.5 mm		SPVZ3005
		h 1 mm		SPVZ301
		h 2 mm		SPVZ302
	V100000/V100000EN1090	h 0.5 mm		SPVZ10005
		h 1 mm		SPVZ1001
		h 2 mm		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

V15000/V100000-EN1090

MOUNTING KIT for COMPRESSION - LOW PROFILE load cells

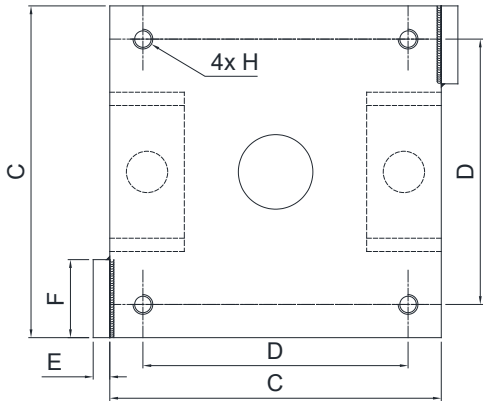
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DIMENSIONS AND TECHNICAL SPECIFICATIONS

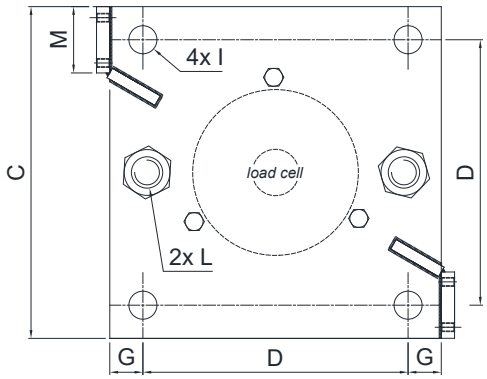
Upper and lower plates [2] must rest completely on not deformable surfaces. To ensure the stability of the structure, the system designer must predict any further precaution against side shifts and anti-tilt in function of: knocks and vibrations, wind effect, seismic conditions and hardness of support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



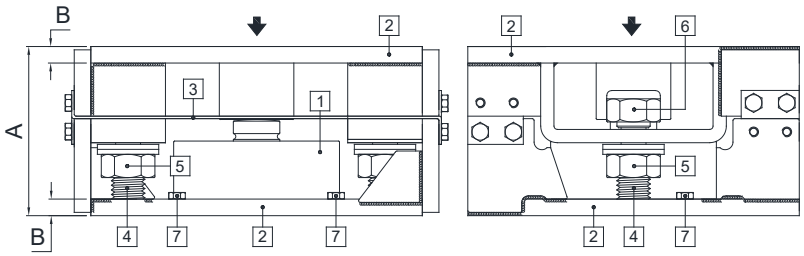
Lower plate



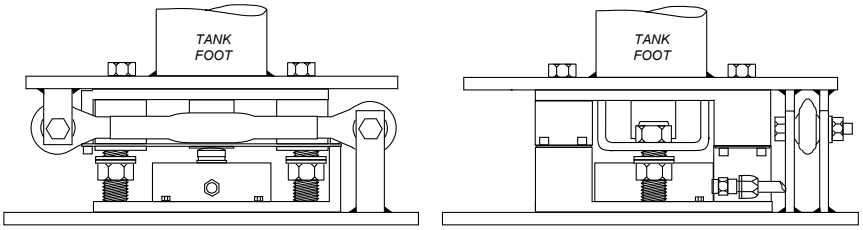
	A	B	C	D	E	F	G	H	I	L	M	Weight
V15000/V15000EN1090	102	10	200	160	10	47	20	M12x1.75	Ø17	M20x2.5	40	9 kg
V30000/V30000EN1090	132	12	250	185	12	70	32.5	M18x2.5	Ø20	M24x3	60	17 kg
V100000/V100000EN1090	155	15	320	250	15	95	35	M20x2.5	Ø23	M30x3.5	70	34 kg

Dimensions (mm)

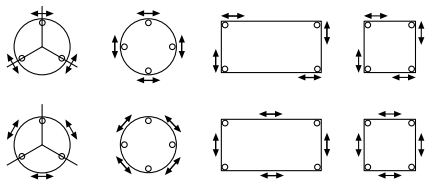
[1] Load cell.
[2] AISI 304 stainless steel upper and lower plates.
[3] AISI 304 stainless steel laminas with horizontal constraint function.
[4] Threaded rod.
[5] Nut to be used as jack.
[6] Anti-tilt self-locking nut.
[7] M6 bolts to fix the load cell.



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

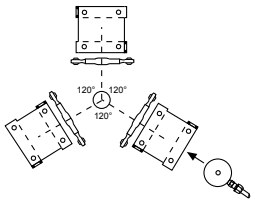


CONSTRAINTS PLACEMENT ON 3/4 SUPPORTS: the horizontal constraints can be positioned both on supports and on the four sides, centrally between two supports.

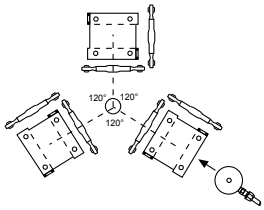


STRUCTURE WITH 3-POINT SUPPORT

1 CONSTRAINT FOR SUPPORT

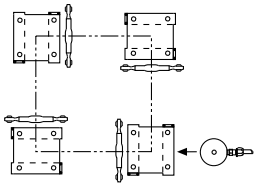


2 CONSTRAINTS FOR SUPPORT

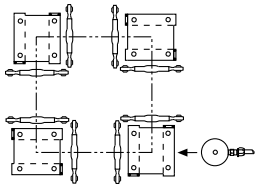


STRUCTURE WITH 4-POINT SUPPORT

1 CONSTRAINT FOR SUPPORT



2 CONSTRAINTS FOR SUPPORT



The Company reserves the right to make changes to the technical data, drawings and images without notice.

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