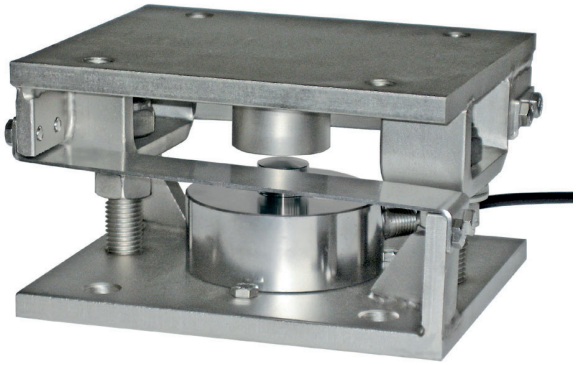
SV / SZ

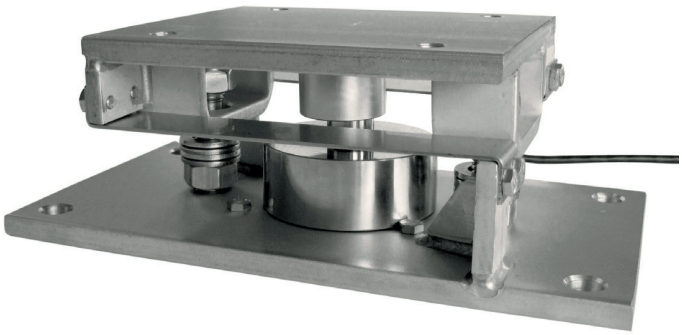
Mounting kit for compression, low profile load cells

Mounting kit designed for weighing silos, tanks, mixers, hoppers.
The SV series is made entirely of AISI 304 stainless steel for use in aggressive environments, while for the SZ series the upper and lower plates are made of galvanized S355JR construction steel. In both series are present AISI 304 stainless steel plates against lateral displacement and the anti-rollover constraint consisting of two threaded bars with self-locking nut.
Within the same size, the dimensions of the accessories are identical between the SV and SZ versions.
For the SV series, the EN 1090 certificate is available (upon request and with a surcharge).



SV10000
SV15000
SV30000
SV100000

SZ10000
SZ15000
SZ30000
SZ100000



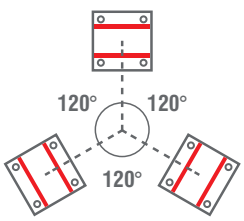
SV10275

MODELLO	EN 1090		EN 1090	FOR LOAD CELLS TYPE: SCBL	SCBX	PESO NETTO KIT (kg)
SV 10.000	○	SZ 10.000	n.d.	SCBL 250...12.500 kg	SCBX 15.000 kg	5.7
SV 10.275	○		n.d.	SCBL 250...12.500 kg	SCBX 15.000 kg	6.9
SV 15.000	○	SZ 15.000	n.d.		SCBX 30.000 kg	9
SV 30.000	○	SZ 30.000	n.d.		SCBX 50.000 kg	17.5
SV 100.000	○	SZ 100.000	n.d.	SCBL 100.000 kg	n.d.	33.5

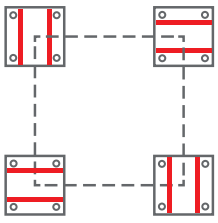
Cella di carico non inclusa.

EN 1090 ○ *Certificazione EN 1090 su richiesta*

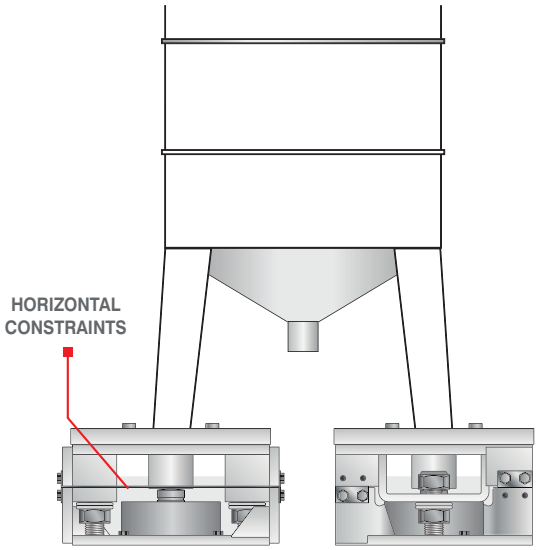
HORIZONTAL CONSTRAINTS ORIENTATION IN STRUCTURES WITH 3-POINTS SUPPORT



HORIZONTAL CONSTRAINTS ORIENTATION IN STRUCTURES WITH 4-POINTS SUPPORT



Example of application



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

Rev. 00 del 31/08/2025

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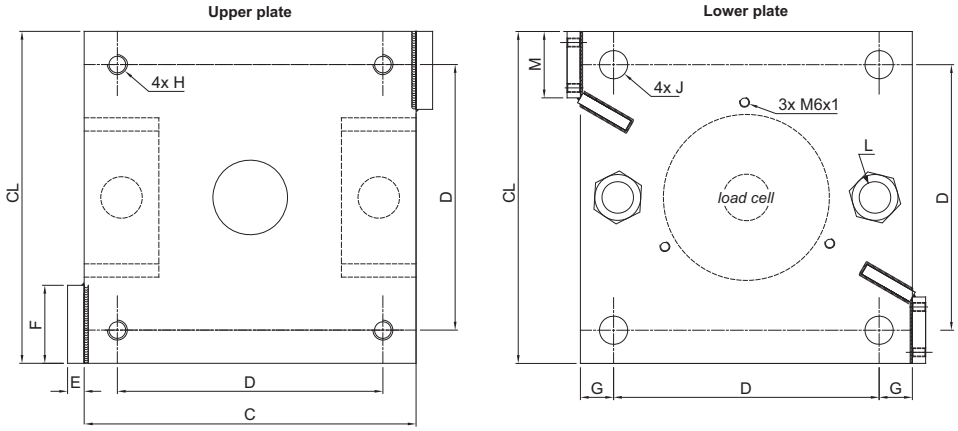
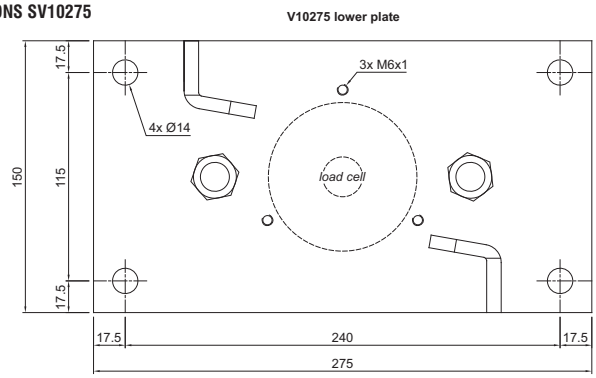
SV / SZ

Mounting kit for compression, low profile load cells



	A	B	C	CL	D	E	F	G	H	J	L	M
SV/SZ 10.000	95	10	175	150	115	0	0	30	M12x1.75	Ø14	M16x2.0	40
SV/SZ 15.000	102	10	200	200	160	10	47	20	M12x1.75	Ø17	M20x2.5	40
SV/SZ 30.000	132	12	250	250	185	12	70	32.5	M18x2.5	Ø20	M24x3	60
SV/SZ 100.000	155	15	320	320	250	15	95	35	M18x2.5	Ø20	M230x3.5	70

LOWER PLATE DIMENSIONS SV10275



MOUNTING INSTRUCTIONS

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.

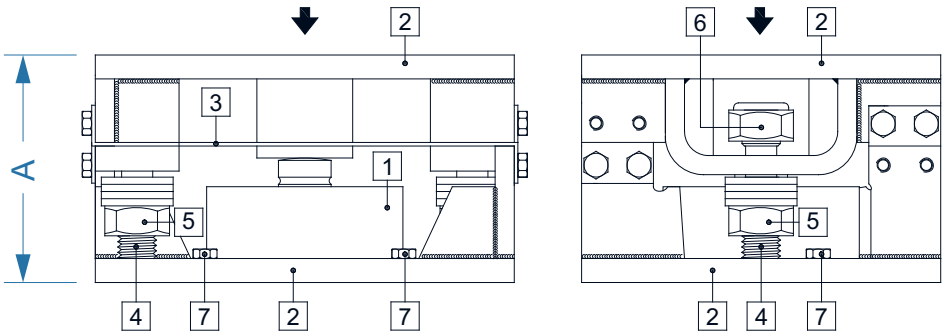
Install the weighed system using only the mounting kit without the load cell [1] and inserting in its place a piece of pipe (1-2 mm higher than the load cell).

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].

[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.



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