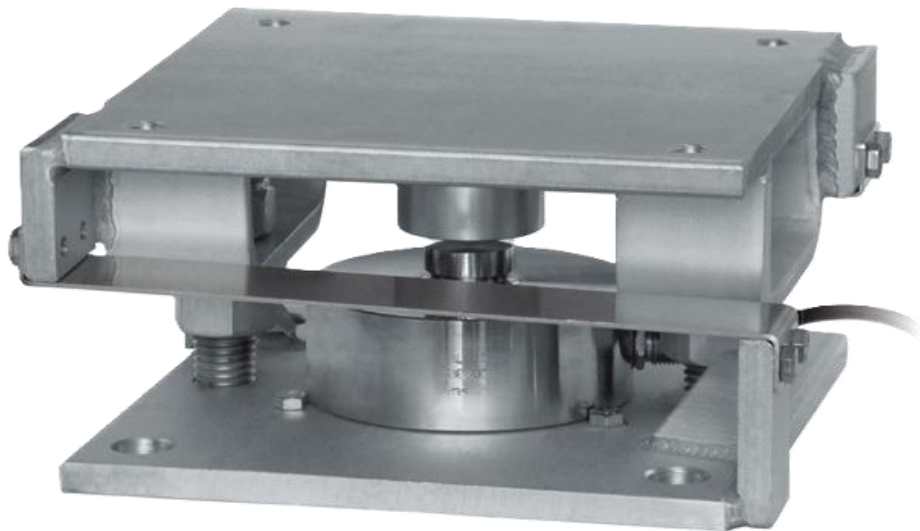


MOUNTING KIT FOR COMPRESSION - LOW PROFILE LOAD CELLS



- AISI 304 STAINLESS STEEL
- UP TO 100 000 KG APPLICATION RANGE



NOMINAL LOAD (FS)

kg	kN	NET WEIGHT (kg)	FOR LOAD CELLS
30 000	300	9	LKLA (15 000 kg) – LKLB (30 000 kg) - LKLC (30 000 kg)
50 000	500	17.5	LKLA (30 000 kg) - LKLB (50 000 kg)
100 000	1 000	33.5	LKLA (50 000 kg) – LKLA (100 000 kg)

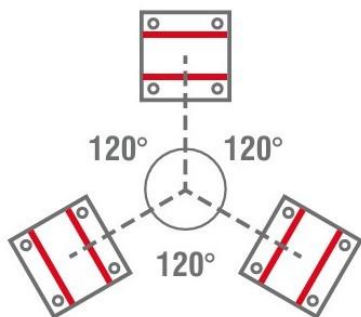
Load cell not included



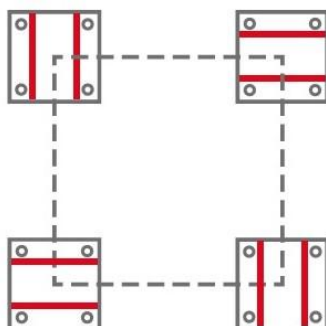
DESCRIPTION

- Upper and lower plates in galvanized S355JR construction steel.
- AISI 304 stainless steel laminas against lateral forces.
- Anti-tilt constraint consisting of two threaded rods with self-locking nut.

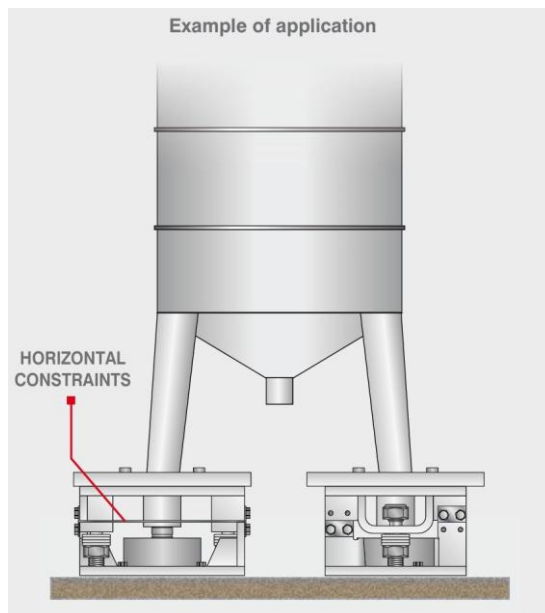
HORIZONTAL CONSTRAINTS ORIENTATION IN STRUCTURES WITH 3-POINT SUPPORT



HORIZONTAL CONSTRAINTS ORIENTATION IN STRUCTURES WITH 4-POINT SUPPORT



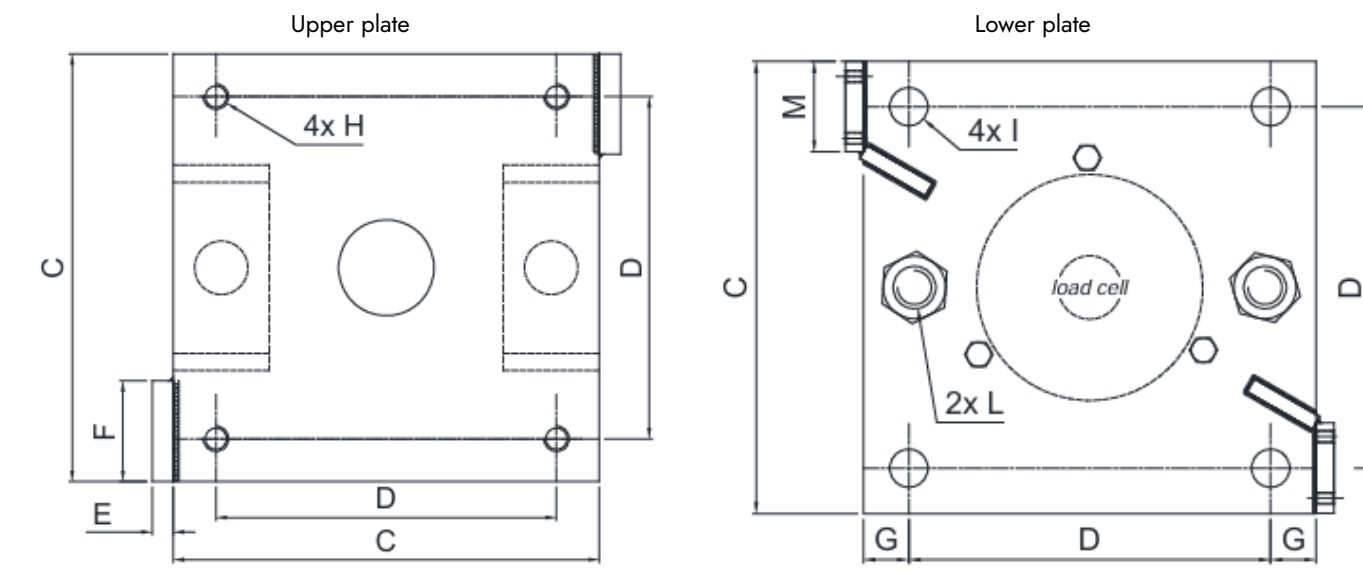
Example of application



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 that fix the load cell **7**, insert the load cell in the mounting kit.
- Connect lower and upper plates **2** to the earthing system, then loosen the nuts **5**; verify that the threaded rod **4** slides into the hole; turn the anti-tilt nuts **6** to a distance of 1 mm from the plate.
- Tighten the three bolts to fix the load cell **7**.



Dimensions (mm)	A	B	C	D	E	F	G	H	I	L	M	Weight
300 kN	102	10	200	160	10	47	20	M12x1.75	Ø17	M20x2.5	40	9 kg
500 kN	132	12	250	185	12	70	32.5	M18x2.5	Ø20	M24x3	60	17 kg
1 000 kN	155	15	320	250	15	95	35	M20x2.5	Ø23	M30x3.5	70	34 kg



DIMENSIONS AND TECHNICAL SPECIFICATIONS

1 Load cell.

2 AISI 304 stainless steel upper and lower plates.

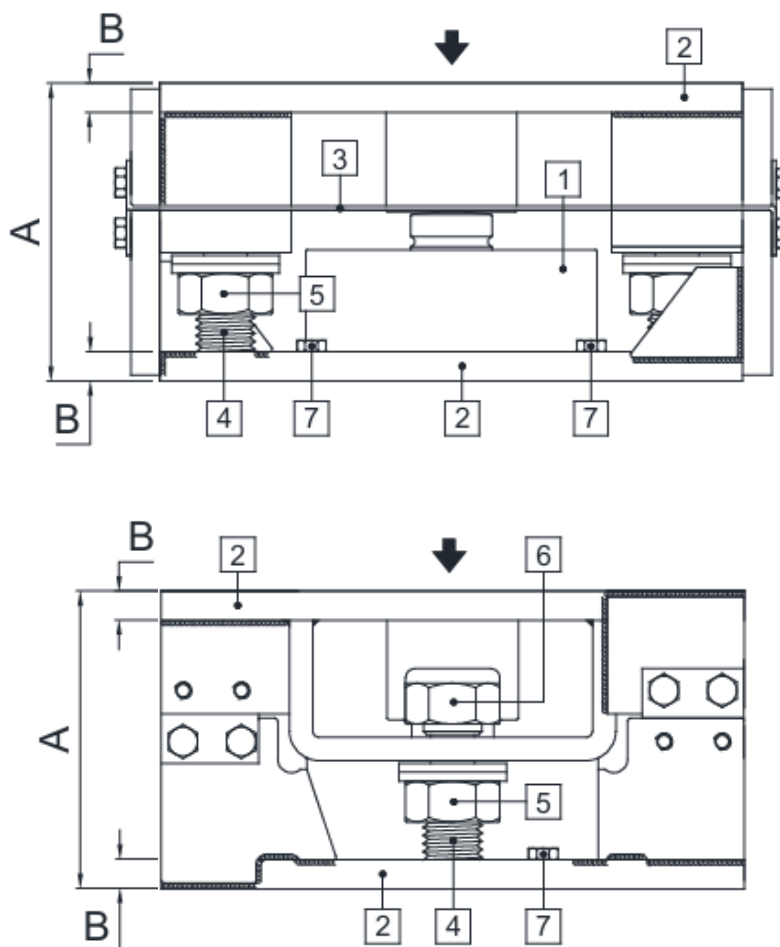
3 AISI 304 stainless steel laminas with horizontal constraint function.

4 Threaded rod.

5 Nut to be used as jack.

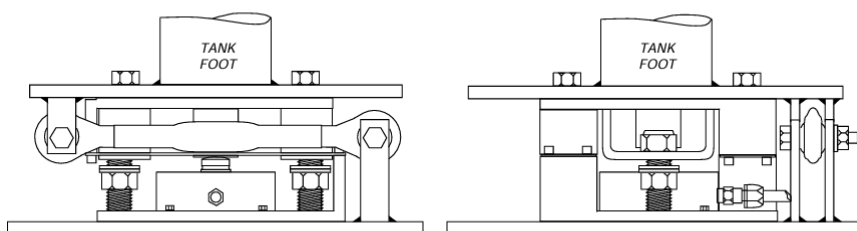
6 Anti-tilt self-locking nut.

7 M6 bolts to fix the load cell.

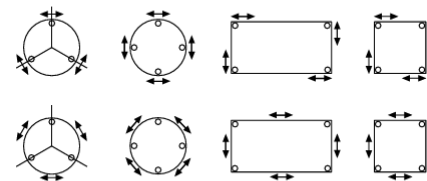


Application example:

how to make further horizontal constraints with the TENDITORE300 accessory

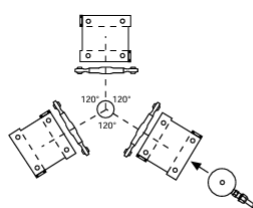


CONSTRAINTS PLACEMENT ON 3/4 SUPPORTS:
the horizontal constraints can be positioned both on supports and on the four sides, centrally between two supports.

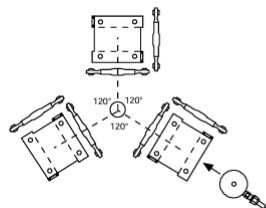


STRUCTURE WITH 3-POINT SUPPORT

1 CONSTRAINT FOR SUPPORT

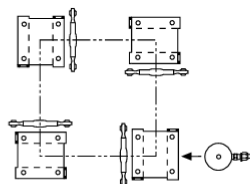


2 CONSTRAINTS FOR SUPPORT

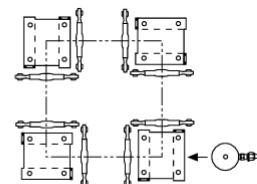


STRUCTURE WITH 4-POINT SUPPORT

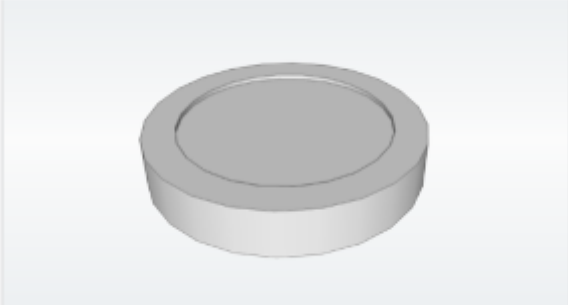
1 CONSTRAINT FOR SUPPORT



2 CONSTRAINTS FOR SUPPORT



COMPLEMENTARY ACCESSORIES

DESCRIPTION			
	AISI 304 stainless steel shim:		
	30 000 kg		h 0.5 mm
			h 1 mm
			h 2 mm
	50 000 kg		h 0.5 mm
			h 1 mm
			h 2 mm
	100 000 kg		h 0.5 mm
			h 1 mm
			h 2 mm
	AISI 304 stainless steel adapter:		
	30 000 kg	for load cells	Ø82 mm
	50 000 kg	for load cells	Ø100 mm
	100 000 kg	for load cells	Ø126 mm
	Galvanized steel turnbuckle with dual ball-and-socket.		
	Net weight: 2.10 kg		
	Working load: 2 500 kg		
	Ultimate overload: 10000 kg		
	Galvanized steel anchor plate for galvanized steel turnbuckle		
	Net weight: 1.5 kg		

