

MOUNTING KIT FOR COMPRESSION



- 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



NOMINAL LOAD (FS)

kg	kN	NET WEIGHT (kg)	FOR LOAD CELLS	EN 1090
15 000	150	5.7	LKLA (250 ÷ 12500 kg) - LKLB (15000 kg) LKLC (1000 ÷ 15000 kg)	-
15 000	150	5.7	LKLA (250 ÷ 12500 kg) - LKLB (15000 kg) LKLC (1000 ÷ 15000 kg)	•

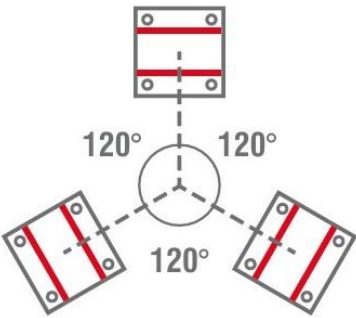
Load cell not included



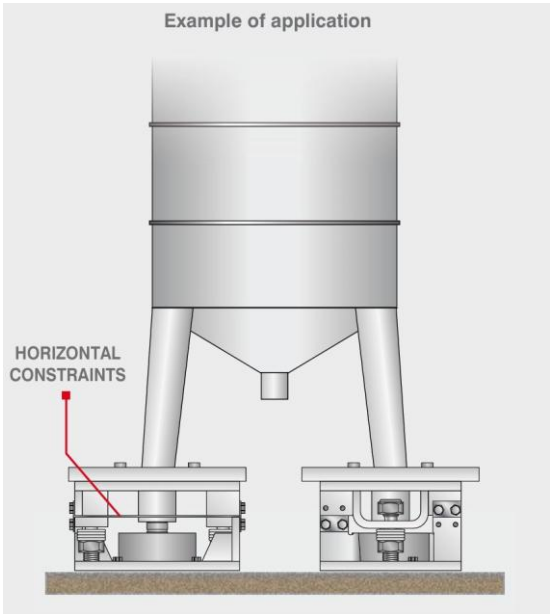
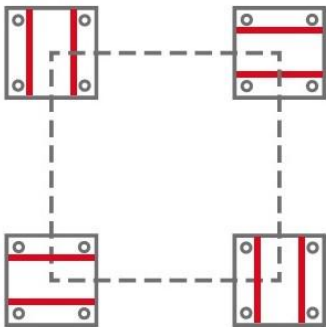
DESCRIPTION

- 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.

HORIZONTAL CONSTRAINTS ORIENTATION IN STRUCTURES WITH 3-POINT SUPPORT

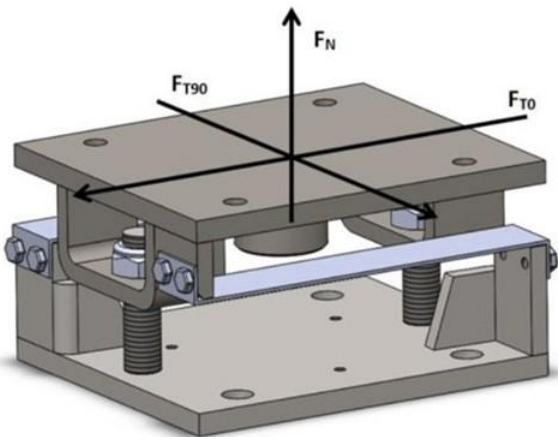


HORIZONTAL CONSTRAINTS ORIENTATION IN STRUCTURES WITH 4-POINT SUPPORT



LOADING

LMLAV / LMLAV EN1090



Force	Value [kN]
F_N max	126.43
F_{T0} max	71.86
F_{T90} max	97.02

- F_N Tensile force perpendicular to the axis of the anti-tilt screws
 F_{T0} Shear force parallel to the longitudinal axis of the elastic slats
 F_{T90} Shear force perpendicular to the longitudinal axis of the elastic slats

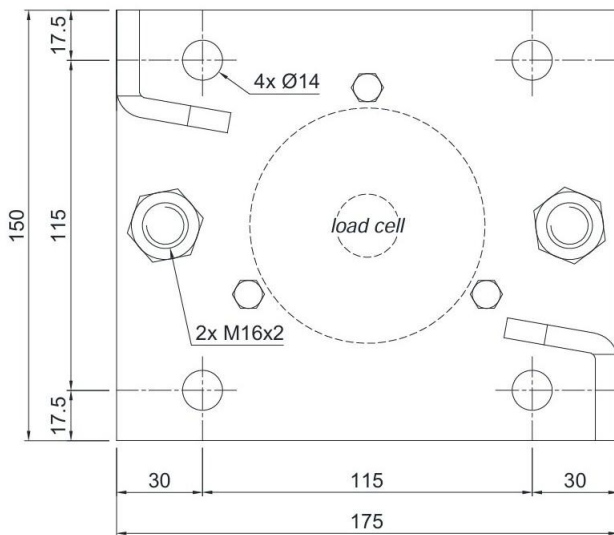


DIMENSIONS AND TECHNICAL SPECIFICATIONS

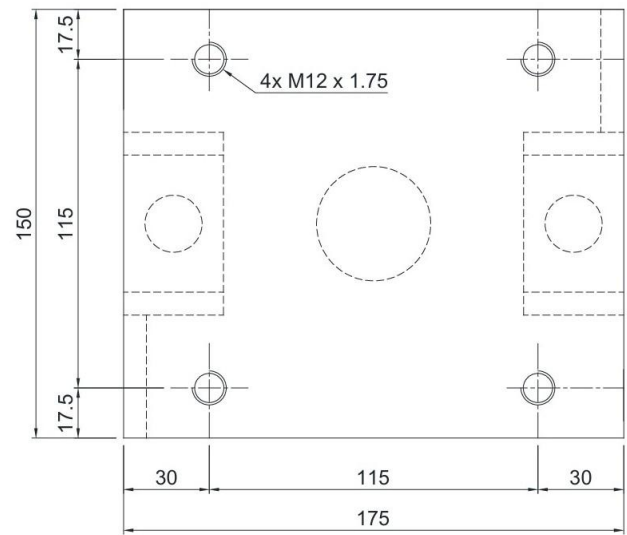
Upper and lower plates [2] must rest completely on not deformable surfaces. To ensure the stability of the structure, the system designer must predict any further precaution against side shifts and anti-tilt in function of: knocks and vibrations, wind effect, seismic conditions and hardness of support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

LMLAV / LMLAV EN1090 – Lower plate



LMLAV / LMLAV EN1090 – Upper plate



[1] Load cell.

[2] AISI 304 stainless steel upper and lower plates.

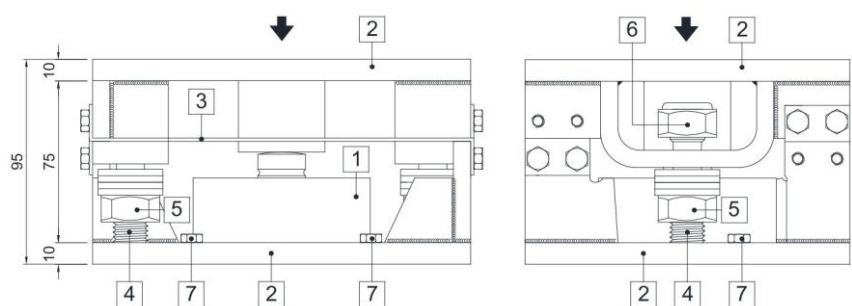
[3] AISI 304 stainless steel laminas with horizontal constraint function.

[4] Threaded rod.

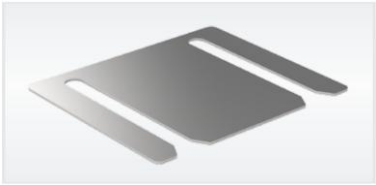
[5] Nut to be used as jack.

[6] Anti-tilt self-locking nut.

[7] M6 bolts to fix the load cell.



COMPLEMENTARY ACCESSORIES

AISI 304 stainless steel shim	DESCRIPTION
	h 0.5 mm
	h 1 mm
	h 2 mm

