

MOUNTING KIT FOR COMPRESSION LOAD CELLS



COMPRESSION

- AISI 304 STAINLESS STEEL
- UP TO 100 000 KG APPLICATION RANGE
- LOAD SELF ALIGNMENT AND TRANSVERSE SHIFT COMPENSATION



MAX STATIC LOAD

kg	N	Net weight (kg)	Max. permissible horizontal force (kN)	Max. permissible lifting force (kN)	For load cells
10 000	100 000	7	25	40	LKAD - LKAF
30 000	300 000	14	50	80	LKAD - LKAF
100 000	1 000 000	31	120	210	LKAD - LKAF

Load cell not included



DESCRIPTION AND MOUNTING

DESCRIPTION

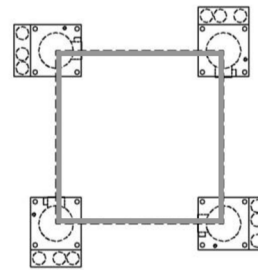
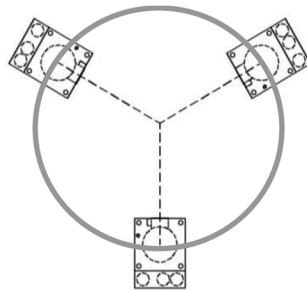
- Completely made in AISI 304 stainless steel, with a very robust structure.
- Designed to ease the installation of weighing and dosing systems in tanks, bins and in static or vibrating hoppers.
- A C2S or CBS load cell can be paired to obtain an accuracy class of 1 000, 2 000 or 3 000 divisions and an IP68 protection class.
- Load self-alignment and transverse shift compensation to ensure high metrological performances even in case of adjustments, thermal expansion, positioning errors, transverse thrusts and deformation of structures.



10 000...
100 000 kg
100...1 000 kN

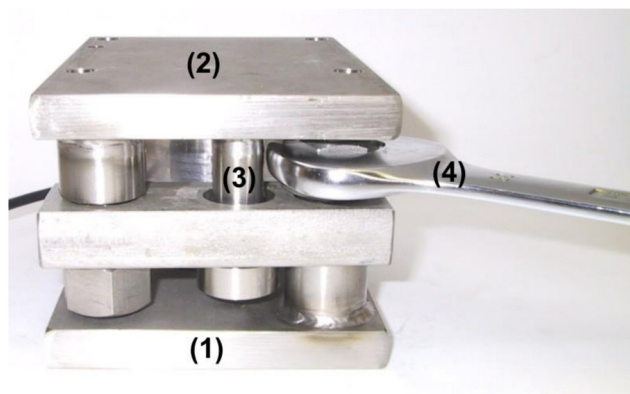
INSTALLATION EXAMPLES

- Circular system with 3 supporting points.
- Square system with 4 supporting points.
- It is recommended to follow the cells disposition shown in figure because it optimizes the anti-shifting function.



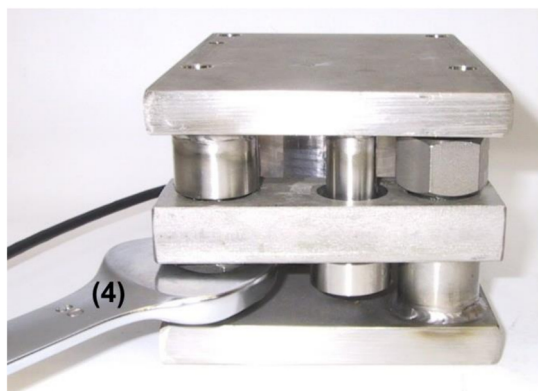
ASSEMBLY INSTRUCTIONS

- Fix the loading plate (1) to the structure or to the ground by checking that the plane is well-finished, if not, install some counter-plates.
- Place the system to be weighed on the upper plates (2) by taking care that the load cells are not overloaded.
- Horizontally adjust and fix the upper plate (2) in order to make it parallel and in axis with the lower plate (1).
- Check that the shift limiter (3) is centred inside the hole even after the system has been loaded several times, in order to avoid source of friction that can alter weighing.



LOAD CELL REPLACEMENT

- Lift the weighing unit upper plate (2) by alternatively unscrewing the two lifting jacks (4) so the upper plate never gets inclined. The weighing system must be unloaded.
- Replace the load cell.
- Screw the two jacks (4) until the weight is only applied onto the load cell.



WARNING

Take care to avoid accidental overloads of the load cells while assembling the unit.

Be sure that current does not pass through the load cell.

During the welding operations, place the mass pliers in the weighing unit upper part.

Always observe scrupulously all the safety laws present in the country where the unit has to be installed.

The installer shall perform a careful environmental risk analysis (seismic zones, wind etc) and must provide for an anti-rollover device.



DIMENSIONS (mm)

