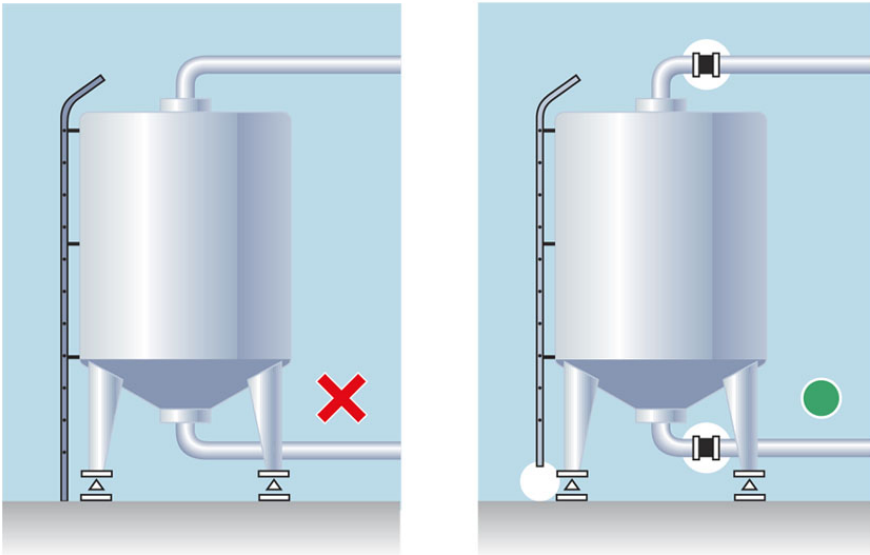
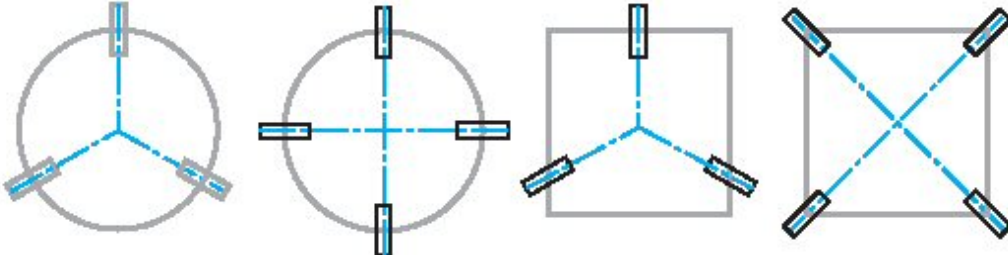


Example of KISD installed in LOAD MODULE orientation



To achieve good weighing results, always use flexible connections to the vessel and check that no ladders or other arrangements connect the weighed vessel to surrounding foundation, walls or roof.

Advices for mounting KISD



1 KISD load cell is a double ended, double cantilever shear beam for multi purpose. The KISD consist of a load cell element and two load sleeves and is 100% non sensitive to side loads. Typical installation can be seen on next page.

The load cell shall be installed in a hole with recommended tolerance H7 and surface hardenes recommended above 300 HB.

2 At installation the load cell and the hole shall be covered with grease, preferably with EP additive.

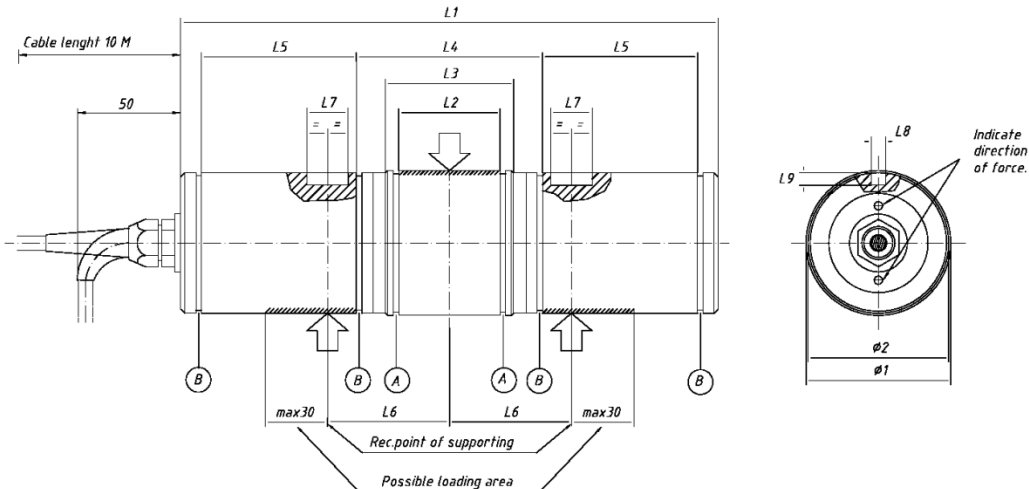
The axial force used at installation shall not exceed 20% of capacity.

Orientate the load cell in the direction of the force to be measured using the two holes in the rear end of the load cell within $\pm 1^\circ$.

The load cell deflects 0,05-0,2 mm at full load, the construction around the load cell must allow for this. Also there must be an axial play of min 1 mm on each side of the applied force bearing or yoke in order to avoid friction.

Welding in close area of the KISD is not allowed.

3 Dimensions and recommended loading point.



Load	L1	L2	L3	L4	L5	L6	L7	L8	L9	Ø 1	Ø 2	(A) Circip	(B) Circip
50,100kN	260	49	62	90	75	59	20	7	6	70	68	70x2,5	68x2,5
200 kN	306	60	76	106	90	73	30	7	7,5	90	88	90x3,0	88x3,0
400 kN	360	70	86	116	112	83	35	8,5	8,5	100	99	100x3,0	100x3,0
1 MN	500	150	180	222	124	145	35	15	10	140	139	140x4	140x4

4 Installation proposal

