

# Load Cells

## SIWAREX R60T

### Load cell

#### Overview



The bending beam load cell is particularly suitable for implementation in container, conveyor, platform and roller table scales.

#### Design

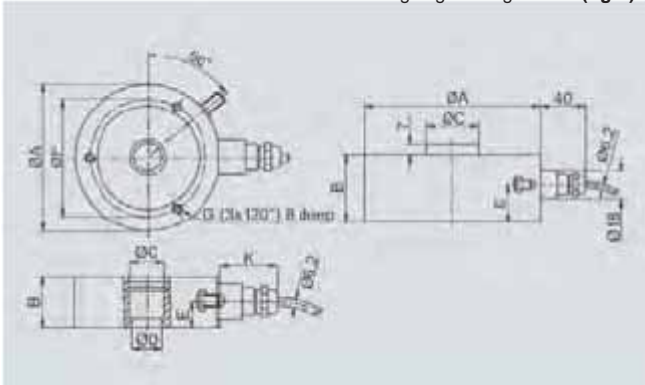
The measuring element is a bending beam made of stainless steel. Two expansion measuring spirals are applied each to the upper and lower faces of the ring. Under the influence of the centrally acting load in the measuring direction, the bending beam is tilted, i.e. the diameter of the upper ring face is reduced and the diameter of the lower ring face is increased. This causes the bending beam (and the expansion measuring spirals installed with friction-locking) to be elastically deformed. This generates a measuring signal voltage that is proportional to the load.

Load cells with a rated load of up to 13 t are equipped with integral overload protection.

#### Dimensional drawings

Self-aligning bearing 0,06 ... 13 t (left)

Self-aligning bearing 28/60 t (right)



Rated load	A	B	C	ØD	E	F	K	ØL	M
60 ... 280 kg	80	60	52	63	22	8	11	9	12
0,5 t, 1 t	100	75	79	80	25	15	10	11	25
2 t, 3,5 t, 5 t	100	75	79	80	30	15	8,5	11	25
10 t, 13 t	120	90	121, 2	95	35	20	20	14	40
28 t	160	120	203	120	53	30	25	22	40
60 t	200	140	254	140	69	36	34	26	50
60 ... 280 kg	80	60	52	63	22	8	11	9	12

SIWAREX R60T, dimensions in mm