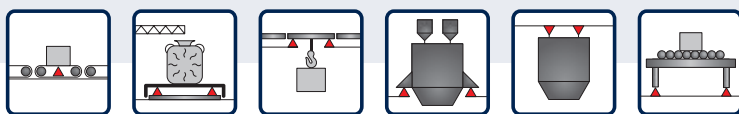
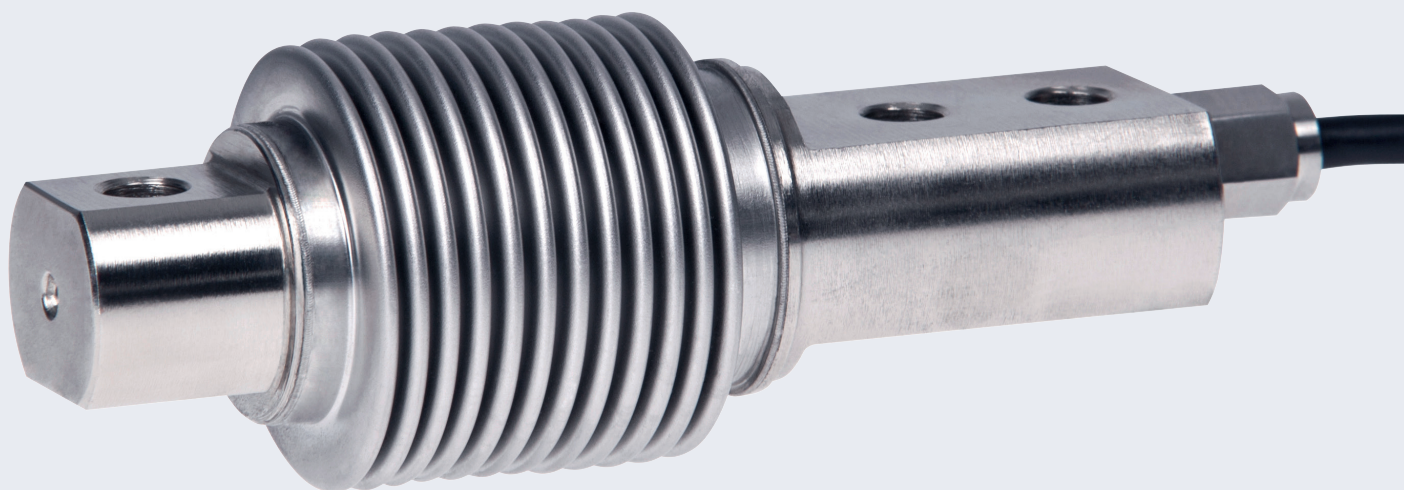


Bending Beam load cell *B10N*

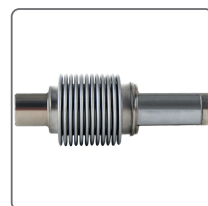


Features

- ▶ Stainless steel construction
- ▶ Wide range of capacities: 5 kg - 500 kg
- ▶ Accuracy class C3, $Y=10.000$
- ▶ Approved to OIML R60 up to 3000 d
- ▶ Protection class: IP 66
- ▶ Design: The measuring element is hermetically sealed and has a calibrated output current
- ▶ Robust design for harsh industrial environment
- ▶ Low profile
- ▶ Compatible with other sources

Scope of application:

- ▶ Big-Bag Scales
- ▶ Belt scales
- ▶ Floor scales and platform scales
- ▶ Silo scales, smaller hopper scales and tank scales
- ▶ Dosing and bagging scales
- ▶ Overhead conveyor scales
- ▶ Weighing of smaller tanks
- ▶ Packaging machines in the process industry



Bending Beam load cell *B10N*

Calibratable load cells with stainless steel bellows

The B10N bending beam load cells are among the most widely used sensors in weighing technology. The load cells are made of high-alloy stainless steel and are characterised by high accuracy and linearity.

The B10N load cells are legal for trade up to 3000D according to OIML, R60 and provide very precise and reproducible measurement results even in long-term use

in harsh industrial environments. As standard, the load cells are output current calibrated, which allows easy and accurate parallel connection of several load cells.

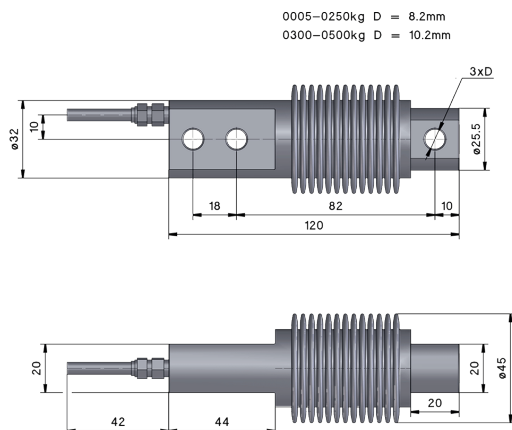
The load cells are laser-welded and meet the requirements of protection class IP66.

The laser-welded encapsulation allows the load cells to be used even under harsh operating conditions.

► TECHNICAL DETAILS

Accuracy class		C3, G3
Nominal load (E_{\max})		5 kg, 10 kg, 20 kg, 50 kg, 75 kg, 100 kg, 150 kg, 200 kg, 250 kg, 500 kg
Number of division values (n_{LC})		3000
Nominal characteristic value (C_n) / characteristic value tolerance	mV/V	$2,0 \pm 0,002$
Minimum preload (E_{\min})		0
Characteristic value of the relative minimum division value d. WZ ($Y = E_{\max} / v_{\min}$):	% from E_{\max}	10.000
Ultimate load (EL)	% from E_{\max}	120
Breaking load (Ed)		150
Recommended supply voltage (Uref)	V	5 - 12
Maximum permissible supply voltage (BU)		15
Zero adjustment	% v. C_n	$\leq \pm 5\%$
Input resistance (RLC) at reference temperature	Ω	400 ± 20
Output resistance (RO) at reference temperature	M Ω	352 ± 3
Insulation resistance	M Ω	>5.000
Nominal temperature range (BT)	°C	- 10 ... + 40
Protection class according to (DIN 40.050 / EN 60529)		IP 66
Cable length	m	3
Material		Stainless steel

► TECHNICAL DRAWINGS



Elektrischer Anschluss 4-Leiter - Kabel

