



- Made of alloy structural steel or stainless steel
- Double channel version suitable for PL d (EN13849-1) systems
- Electrical connection with 4xAWG24 4.0 m shielded cable
- Customizable nominal load and physical dimensions

On request:

- Special finishes and materials
- Load cell amplifier (to be ordered separately): BPE «ADS-200 MkII» series

Typical fields of application: Normally used to measure the load in mobile machines or on rotating components (pulley, sheaves, etc.)

Note: the user/installer is responsible for evaluating the values and, thus, the safety of the application



Output
Sensitivity



Protection
Grade IP67



Single or
double channel

Technical data

Power supply	from 0 to 15 V _{DC}
Output	1.0 ÷ 2.0 mV/V
Nominal load	from 500 to 200000 daN
Linearity, repeatability, hysteresis	± 1% FS
Zero offset	± 1% FS
FS and zero temperature coefficient	0.008 ⁽¹⁾ %FS / °C
Insulation	> 5 GΩ @15 V _{DC}
Input and output resistance	350 Ω
Safe overload	150%
Ultimate load	300%
Operating temperature	from -20 to +70 °C
Maximum weight	•
Housing material	alloy structural steel or stainless steel
Standard protection grade	IP67
CE conformity	EMC Directive: 2014/30/EU
EMC: Immunity Emission	EN 61000-6-2 EN 61000-6-3
Maximum number of mechanical cycles	1x10 ⁶ cycles

⁽¹⁾ Between -10 °C and +40 °C

Ordering

Pin load cells are normally manufactured on custom request. It is compulsory to have a design or sketch drawing from customer. It is also compulsory to have the data shown in the following tables.

Nominal load	<input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/>	Nominal load (daN)
Channels	<input type="text" value="S"/> <input type="text" value="D"/>	Single channel Double channel
Outer diameter	Ø <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="."/> <input type="text" value="x"/>	Expressed in millimeters. Compulsory to define tolerances
Pin length	L <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="."/> <input type="text" value="x"/>	Expressed in millimeters. Define tolerances where necessary
Dimension	b <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="."/> <input type="text" value="x"/>	See the following draw:
Dimension	c <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="."/> <input type="text" value="x"/>	supports width, distance between fixed and mobile part
Dimension	d <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="."/> <input type="text" value="x"/>	
Housing material	<input type="text" value="1"/> <input type="text" value="2"/>	Structural steel alloy Stainless steel (if possible: function of dimensions, load, etc.).
Cable length	<input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/> <input type="text" value="x"/>	Standard value is 4,000 mm
Electrical outlet	<input type="text" value="C"/> <input type="text" value="R"/> <input type="text" value="C"/> <input type="text" value="A"/>	Radial outlet Axial outlet
Anti-rotation lock	<input type="text" value="*"/>	Define type and position for pin lock system
Output type	<input type="text" value="N"/> <input type="text" value="O"/> <input type="text" value="T"/>	Not amplified signal
Electrical connection	<input type="text" value="c"/> <input type="text" value="a"/> <input type="text" value="b"/>	Electrical wiring harness code (see on the right)

Electrical connections	
Code: CCF	single or double channel
Red	: Positive Supply
Black	: Negative Supply
Yellow or Green	: Signal -
White	: Signal +
Shield	: Not connected

Custom configurations are available on request.

Main dimensions [mm]

