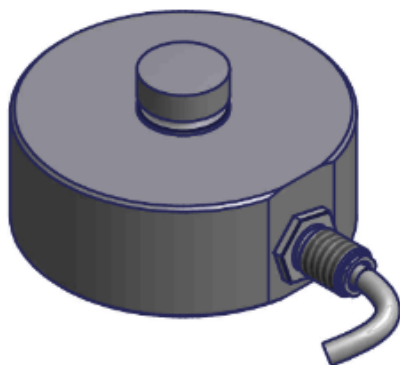


CO Silos

Compression load cell

1. Product description

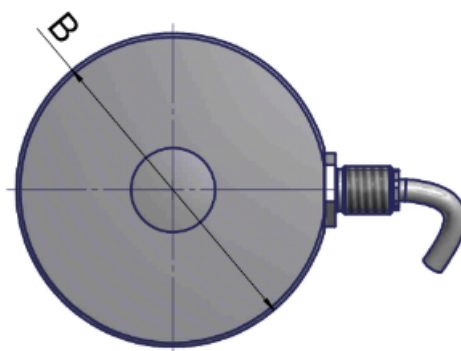
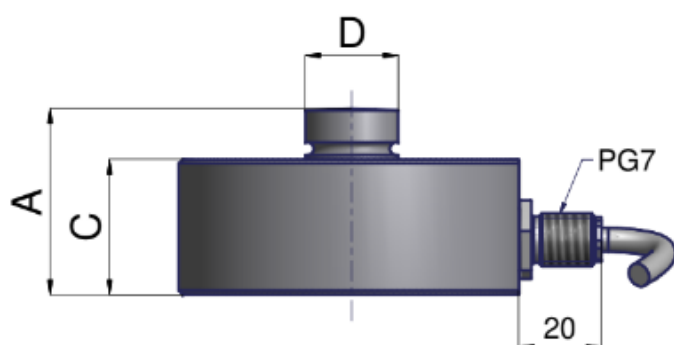


- 1 Capacities from 250 kg to 150000 kg
- 2 Stainless steel construction
- 3 Protection IP68 (EN 60529)
- 4 High accuracy
- 5 On request ATEX and IECEx version

2. Applications

The compression load cells mod. CO are low profile transducers that are mainly used for the construction of weighing and dosing systems in silos, tanks, hoppers etc.

3. Dimensions (mm.)



Portata kg	A	B	C	D	Std	OIML	ATEX
250 - 500 - 1000 - 2500 - 5000 - 7500 - 10000 kg	44	82	32	22	✓		✓
12500 - 15000 - 20000 kg	48	100	35	25	✓		✓
30000 kg	54	126	40	35	✓		✓
50000 - 100000 kg	80	160	60	60	✓		✓
120000 - 150000 kg	80	180	60	80	✓		✓

CO Silos

Compression load cell

4. Product features

Accuracy class	Standard
Capacities fs (E _{max})	250÷150000 kg
Rated output (C _n)	2 mV/V ± 0,1%
Nominal excitation range	5 ÷ 10V
Maximum excitation	15V
Zero balance output	± 0,02 mV/V
Input resistance	750 ± 30 Ω
Output resistance	700 ± 2 Ω
Insulation resistance	> 5 GΩ
Combined error	<± 0,08% fs
Non repeatability	<± 0,015% fs
Creep 30 min.	<± 0,03% fs
Temperature effect on zero balance (5°C)	<± 0,01% fs
Temperature effect on rated output (5°C)	<± 0,01% fs
Compensated temperature range	-10°C ÷ +40°C
Operating temperature range	-20°C ÷ +70°C
Maximum safe load	150% fs
Ultimate load	>300% fs
Protection class (EN60529)	IP68
Material	Acciaio Inox
Displacement at nominal load	0,30 ÷ 0,60 mm
Weight	~ 1,1 ÷ 4 kg
Cable lenght	5m - 6 x 0,14 mm ² / 0,35 mm ²
OIML R60 test certificate number	//

5. Wire diagram

