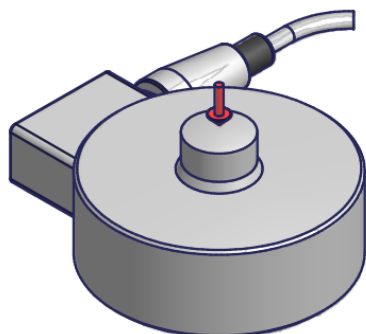


CM

Compression load cell

1. Product description

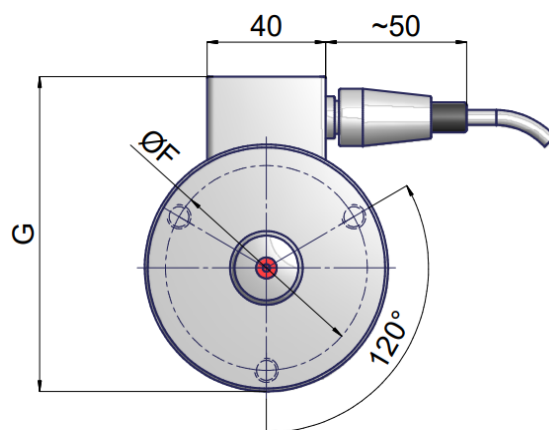
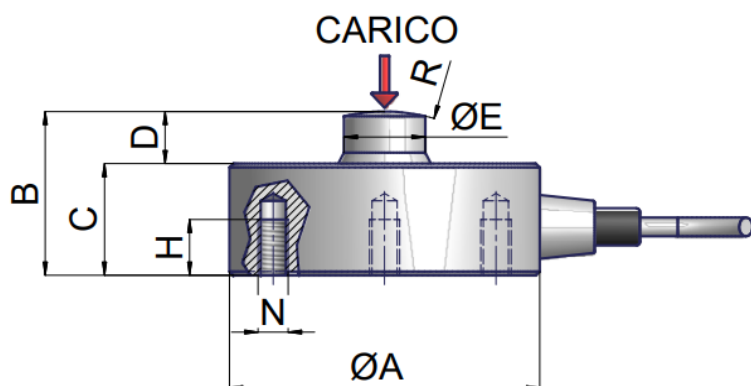


- 1 Capacities from 250 kg to 150000 kg
- 2 Stainless steel construction
- 3 Protection IP68 (EN 60529)
- 4 High accuracy
- 5 On request ATEX and IECEx version

2. Applications

Compression load cells mod. CM are usually used in low and high capacity weighing systems like silos

3. Dimensions (mm.)



Portata kg	A	B	C	D	E	F	G	H	N (3x)	N (4x)	R	Std	ATEX
250 - 500 - 1000 - 2500 - 5000 kg	82	44	30	14	21,50	68	104,50	15	M8 x 1,25		50	✓	✓
7500 - 10000 - 15000 - 20000 kg	100	48	35	13	25,00	80	122,50	15	M10 X 1,50		50	✓	✓
25000 - 30000 kg	114	48	35	13	26,00	86	136,50	20	M12 x 1,75		50	✓	✓
50000 kg	124	58	45	13	35,00	95	146,50	20	M12 x 1,75		160	✓	✓
100000 kg	160	80	60	20	60,00	130	183,00	20		M16 x 2,00	300	✓	✓
150000 kg	180	80	60	20	80,00	150	203,00	20		M16 x 2,00	300	✓	✓

CM

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 ± 25 Ω
Output resistance	700 ± 2 Ω
Insulation resistance	> 5 GΩ
Combined error	<± 0,08% fs
Non repeatability	<± 0,015% fs
Creep 30 min.	<± 0,04% fs
Temperature effect on zero balance (5°C)	<± 0,02% 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	Stainless Steel
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

