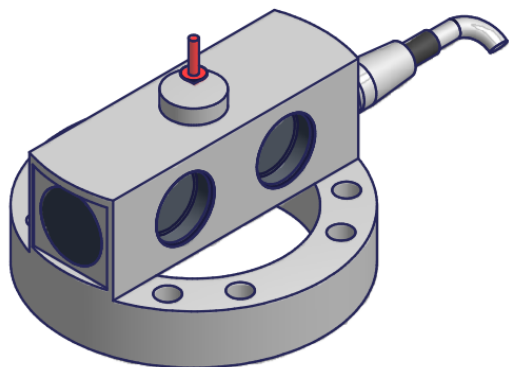


CO

Compression load cell

1. Product description

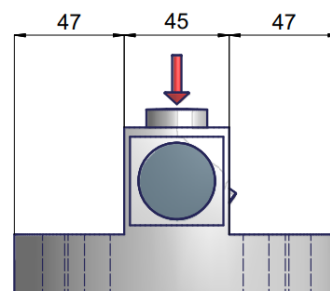
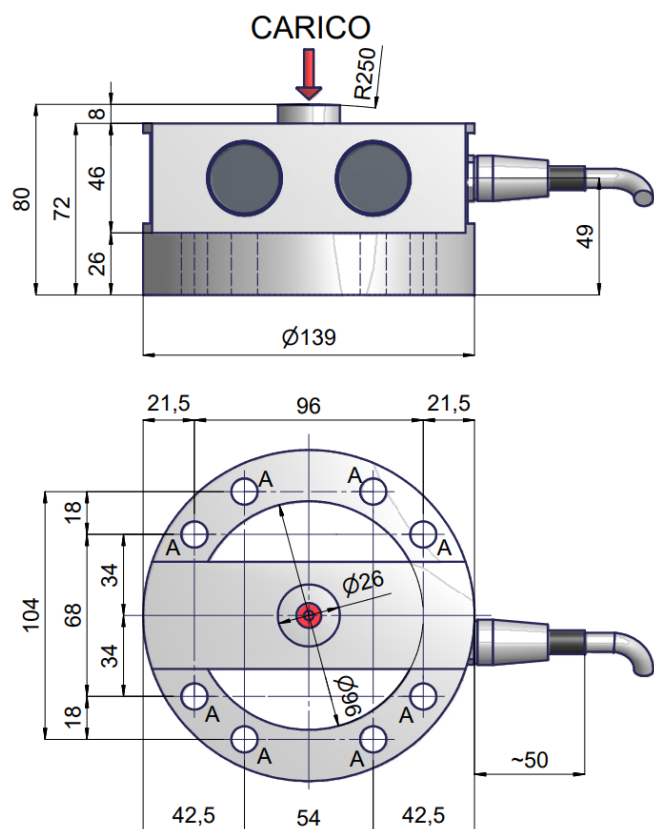


- 1 Capacities from 5000 kg to 25000 kg
- 2 Low profile stainless steel construction
- 3 Hermetically sealed, protection IP68 (EN 60529)
- 4 High accuracy
- 5 Complies with OIML R60 regulations up to 4000d
- 6 On request (EX) II 3D (zona 22) version

2. Applications

The compression load cells mod. CO, due to their strong double shear beam structure, are mainly used in the construction of weighing system with medium/high capacity range like: platform, hopper, tank, etc.

3. Dimensions (mm.)



Portata t	Std	OIML	ATEX
5 t	✓	✓	✓
10 t	✓	✓	✓
15 t	✓	✓	✓
20 t	✓	✓	✓
25 t	✓	✓	✓

CO

Compression load cell

4. Product features

Accuracy class	Standard	OIML C3	OIML C4
Capacities fs (Emax)	5000÷25000 kg	5000÷25000 kg	5000÷25000 kg
Rated output (Cn)	2 mV/V ± 0,1%	2 mV/V ± 0,1%	2 mV/V ± 0,1%
Y = Emax/Vmin	//	12000	16000
Nominal excitation range	5 ÷ 10V	5 ÷ 10V	5 ÷ 10V
Maximum excitation	15V	15V	15V
Zero balance output	± 0,02 mV/V	± 0,02 mV/V	± 0,02 mV/V
Input resistance	750 ± 25 Ω	750 ± 25 Ω	750 ± 25 Ω
Output resistance	700 ± 2 Ω	700 ± 2 Ω	700 ± 2 Ω
Insulation resistance	> 5 GΩ	> 5 GΩ	> 5 GΩ
Combined error	<± 0,030% fs	<± 0,022% fs	<± 0,018% fs
Non repeatability	<± 0,025% fs	<± 0,018% fs	<± 0,015% fs
Creep 30 min.	<± 0,03% fs	<± 0,024% fs	<± 0,018% fs
Temperature effect on zero balance (5°C)	<± 0,02% fs	<± 0,015% fs	<± 0,01% fs
Temperature effect on rated output (5°C)	<± 0,005% fs	<± 0,003% fs	<± 0,0025% fs
Compensated temperature range	-10°C ÷ +40°C	-10°C ÷ +40°C	-10°C ÷ +40°C
Operating temperature range	-20°C ÷ +70°C	-20°C ÷ +70°C	-20°C ÷ +70°C
Maximum safe load	150% fs	150% fs	150% fs
Ultimate load	>300% fs	>300% fs	>300% fs
Protection class (EN60529)	IP68	IP68	IP68
Material	Stainless steel	Stainless steel	Stainless steel
Displacement at nominal load	0,40 ÷ 0,80 mm	0,40 ÷ 0,80 mm	0,40 ÷ 0,80 mm
Fixing screws tightening torque	50 Nm	50 Nm	50 Nm
Weight	~ 3,7 kg	~ 3,7 kg	~ 3,7 kg
Cable lenght	5m - 6 x 0,14 mm ²	5m - 6 x 0,14 mm ²	15m - 6 x 0,35 mm ²
OIML R60 test certificate number	//	E - 98.02.C05	E - 98.02.C05

5. Wire diagram

