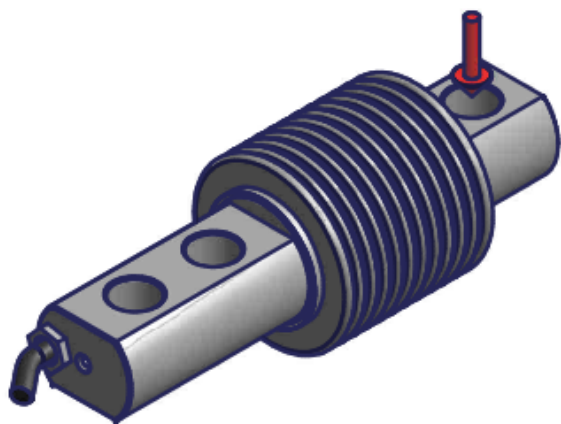


GL

Flexion load cell

1. Product description

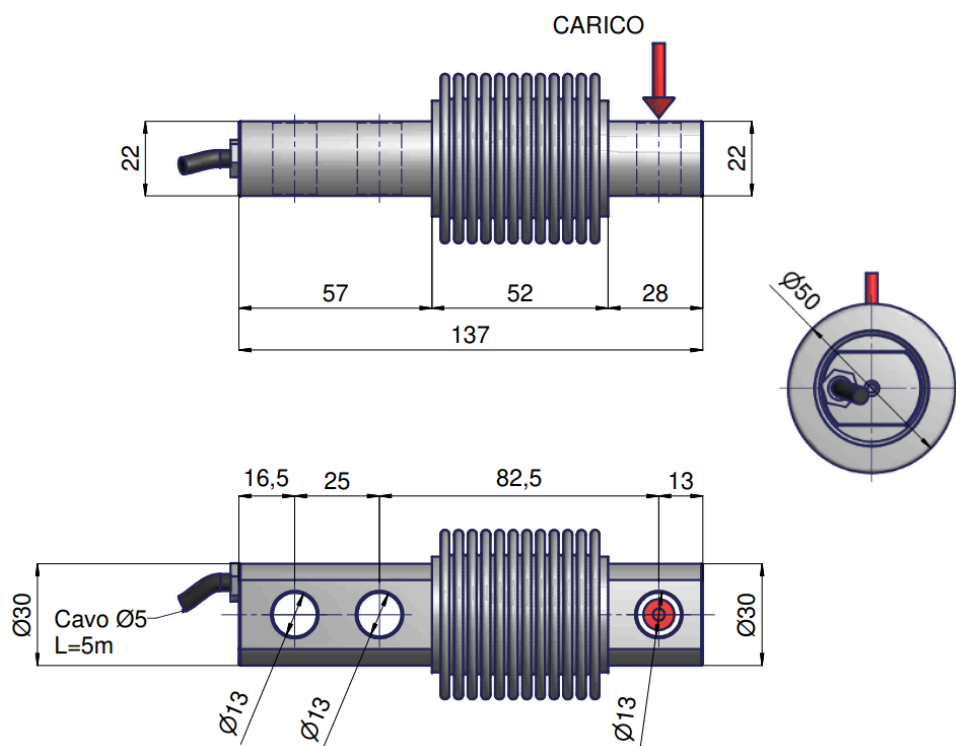


- 1 Capacities from 10 kg to 1500 kg
- 2 Stainless steel construction
- 3 Protection IP67 (EN 60529)
- 4 High accuracy
- 5 Complies with OIML R60 regulations up to 4000d
- 6 On request ATEX e IECEx version

2. Applications

Flexion load cells mod. GL are mainly used in the construction of weighing system with low capacity range like: belt weigher, batching system for industrial products, weighing platform, weighing system for hopper, tank, etc.

3. Dimensions (mm.)



Portata kg	Std	OIML	ATEX
10 kg	✓	✓	✓
15 kg	✓	✓	✓
20 kg	✓	✓	✓
25 kg	✓	✓	✓
30 kg	✓	✓	✓
50 kg	✓	✓	✓
75 kg	✓	✓	✓
100 kg	✓	✓	✓
150 kg	✓	✓	✓
200 kg	✓	✓	✓
250 kg	✓	✓	✓
300 kg	✓	✓	✓
500 kg	✓	✓	✓
750 kg	✓		✓
1000 kg	✓		✓
1500 kg	✓		✓
✓ zona 22			

GL

Flexion load cell

4. Product features

Accuracy class	Standard	OIML C3	OIML C4
Capacities fs (Emax)	10 ÷ 1500 kg	10 ÷ 500 kg	25 ÷ 500 kg
Rated output (Cn)	2 mV/V ± 0,1%	2 mV/V ± 0,1%	2 mV/V ± 0,1%
Y = Emax/Vmin	//	12000	12000
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	400 ± 25 Ω	400 ± 25 Ω	400 ± 25 Ω
Output resistance	350 ± 2 Ω	350 ± 2 Ω	350 ± 2 Ω
Insulation resistance	> 5 GΩ	> 5 GΩ	> 5 GΩ
Combined error	<± 0,025% fs	<± 0,022% fs	<± 0,018% fs
Non repeatability	<± 0,015% fs	<± 0,008% fs	<± 0,007% fs
Creep 30 min.	<± 0,030% fs	<± 0,024% fs	<± 0,018% fs
Temperature effect on zero balance (5°C)	<± 0,02% fs	<± 0,018% fs	<± 0,010% fs
Temperature effect on rated output (5°C)	<± 0,008% 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	-15°C ÷ +70°C	-15°C ÷ +70°C	-15°C ÷ +70°C
Maximum safe load	150% fs	150% fs	150% fs
Ultimate load	>300% fs	>300% fs	>300% fs
Protection class (EN60529)	IP67	IP67	IP67
Material	Stainless steel	Stainless steel	Stainless steel
Displacement at nominal load	0,30 ÷ 1 mm	0,30 ÷ 1 mm	0,30 ÷ 1 mm
Fixing screws tightening torque	50 Nm	50 Nm	50 Nm
Weight	~ 0,5 kg	~ 0,5 kg	~ 0,5 kg
Cable lenght	5m - 6 x 0,14 mm ²	5m - 6 x 0,14 mm ²	5m - 6 x 0,14 mm ²
OIML R60 test certificate number	//	E - 99.02.C02	E - 99.02.C02

5. Wire diagram

