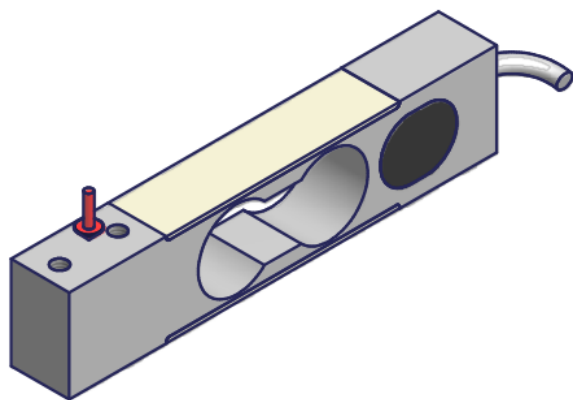


CN/L

Off-center load cell

1. Product description

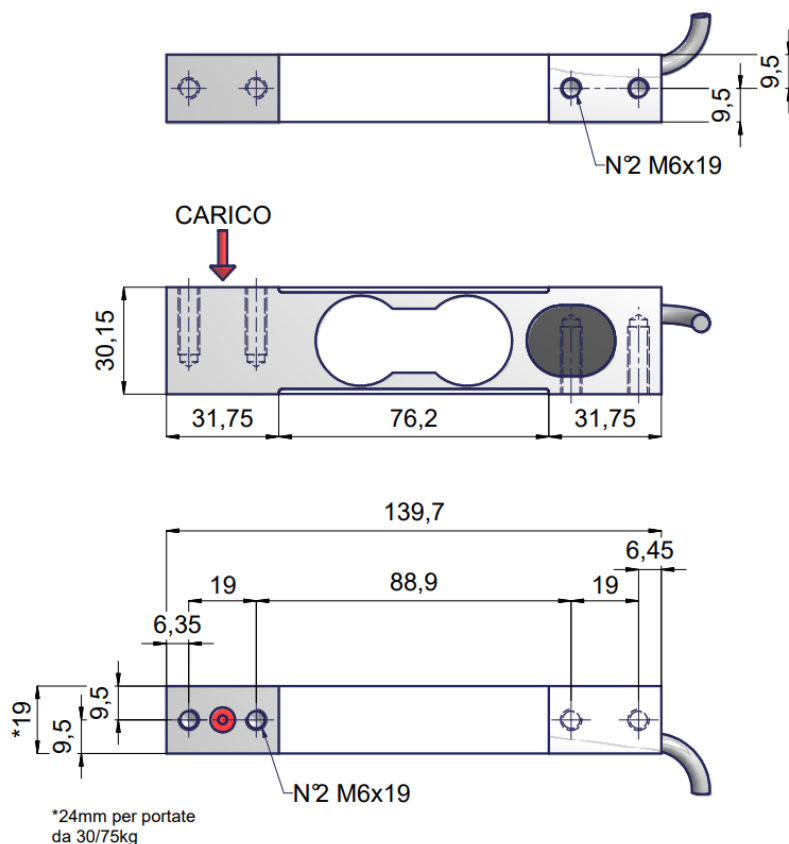


- 1 Capacities from 7,5 kg to 75 kg
- 2 Maximum platform size 400x400mm
- 3 Protection IP67 (EN 60529)
- 4 High accuracy
- 5 Complies with OIML R60 regulations up to 4000d
- 6 On request ATEX e IECEx version

2. Applications

The single point load cells mod. CN/L are parallelogram transducers, mainly used in the construction of small weighing platforms. The off center load performance allows a maximum platform size of 400x400 mm. The stainless steel construction make them suitable for use in tough environment conditions.

3. Dimensions (mm.)



Portata kg	Std	OIML	ATEX
7,5 kg	✓	✓	✓
10 kg	✓	✓	✓
15 kg	✓	✓	✓
20 kg	✓	✓	✓
25 kg	✓	✓	✓
30 kg	✓	✓	✓
50 kg	✓	✓	✓
60 kg	✓	✓	✓
75 kg	✓	✓	✓

CN/L

Off-center load cell

4. Product features

Accuracy class	Standard	OIML C3	OIML C4
Capacities fs (E _{max})	7,5÷75 kg	60÷75 kg	7,5÷75 kg
Plate	400 x 400 mm	400 x 400 mm	400 x 400 mm
Rated output (C _n)	2 mV/V ± 10%	2 mV/V ± 10%	2 mV/V ± 10%
Optional Rated output (C _n)	2 mV/V ± 0,1%	2 mV/V ± 0,1%	2 mV/V ± 0,1%
Y = E _{max} /V _{min}	//	14000	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	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	<± 0,023% fs	<± 0,018% fs
Non repeatability	<± 0,015% fs	<± 0,008% fs	<± 0,007% fs
Creep 30 min.	<± 0,03% fs	<± 0,024% fs	<± 0,018% fs
Temperature effect on zero balance (5°C)	<± 0,02% fs	<± 0,018% fs	<± 0,01% 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 ÷ 0,50 mm	0,30 ÷ 0,50 mm	0,30 ÷ 0,50 mm
Fixing screws tightening torque	12 Nm	12 Nm	12 Nm
Weight	~ 0,6 kg	~ 0,6 kg	~ 0,6 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 - 03.02.C07	E - 03.02.C07

5. Wire diagram

