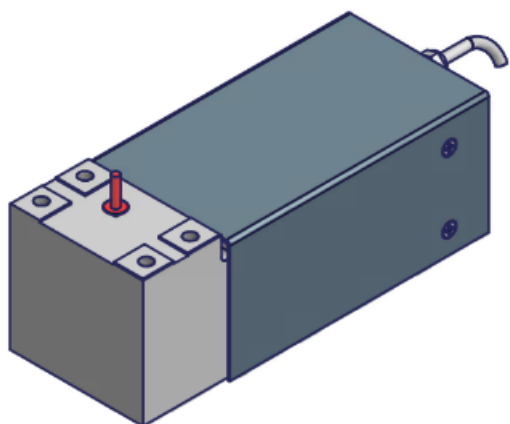


CH

Off-center load cell

1. Product description

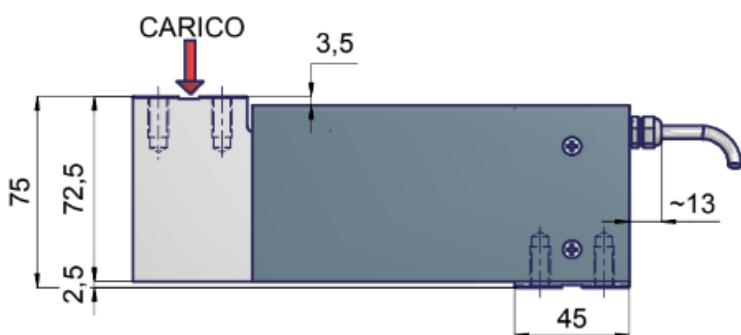
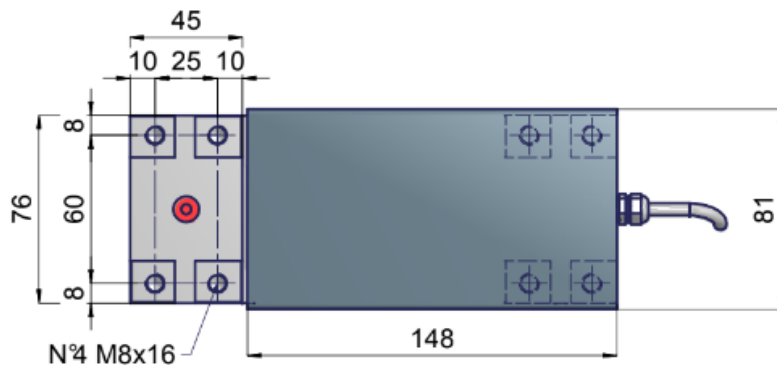
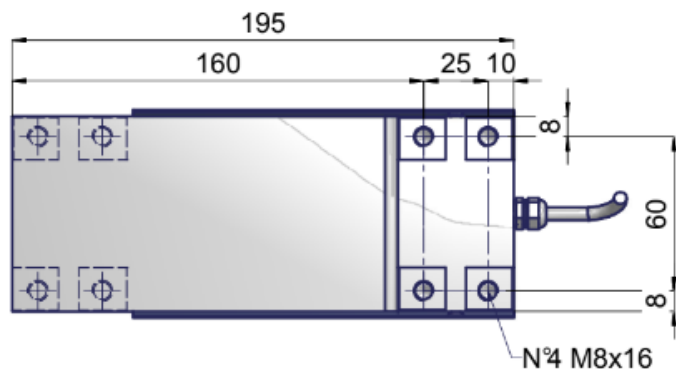


- 1 Capacities from 150 kg to 750 kg
- 2 Maximum platform size 800x800 mm
- 3 Protection IP65 (EN 60529)
- 4 High accuracy
- 5 Complies with OIML R60 regulations up to 3000 d
- 6 On request ATEX zona 22 version

2. Applications

The single point load cells mod. CH are parallelogram transducers, mainly used in the construction of small weighing platforms. The off center load performance allows a maximum platform size of 800 x 800 mm

3. Dimensions (mm.)



Portata t	Std	OIML	ATEX
150 kg	✓	✓	✓
250 kg	✓	✓	✓
300 kg	✓	✓	✓
400 kg	✓	✓	✓
500 kg	✓	✓	✓
600 kg	✓	✓	✓
750 kg	✓	✓	✓

CH

Off-center load cell

4. Product features

Accuracy class	Standard	OIML C3
Capacities fs (E _{max})	150 ÷ 750 kg	150 ÷ 750 kg
Plate	800 x 800 mm	800 x 800 mm
Rated output (C _n)	2 mV/V ± 10%	2 mV/V ± 10%
Y = E _{max} /V _{min}	//	15000
Nominal excitation range	5 ÷ 10V	5 ÷ 10V
Maximum excitation	15V	15V
Zero balance output	± 0,02 mV/V	± 0,02 mV/V
Input resistance	400 ± 25 Ω	400 ± 25 Ω
Output resistance	350 ± 2 Ω	350 ± 2 Ω
Insulation resistance	> 5 GΩ	> 5 GΩ
Combined error	<± 0,025% fs	<± 0,022% fs
Non repeatability	<± 0,015% fs	<± 0,008% fs
Creep 30 min.	<± 0,03% fs	<± 0,024% fs
Temperature effect on zero balance (5°C)	<± 0,02% fs	<± 0,016% fs
Temperature effect on rated output (5°C)	<± 0,010% fs	<± 0,003% fs
Compensated temperature range	-10°C ÷ +40°C	-10°C ÷ +40°C
Operating temperature range	-20°C ÷ +70°C	-20°C ÷ +70°C
Maximum safe load	150% fs	150% fs
Ultimate load	>300% fs	>300% fs
Protection class (EN60529)	IP65	IP65
Material	Aluminium	Aluminium
Displacement at nominal load	0,60 ÷ 0,80 mm	0,60 ÷ 0,80 mm
Fixing screws tightening torque	25 Nm	25 Nm
Weight	~ 2,2 kg	~ 2,2 kg
Cable lenght	5m - 6 x 0,14 mm ²	5m - 6 x 0,14 mm ²
OIML R60 test certificate number	//	E - 00.02.C11

5. Wire diagram

