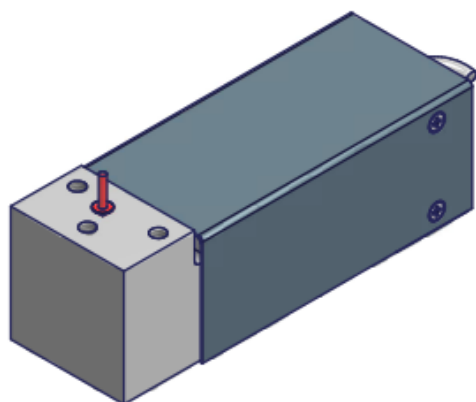


BH

Off-center load cell

1. Product description

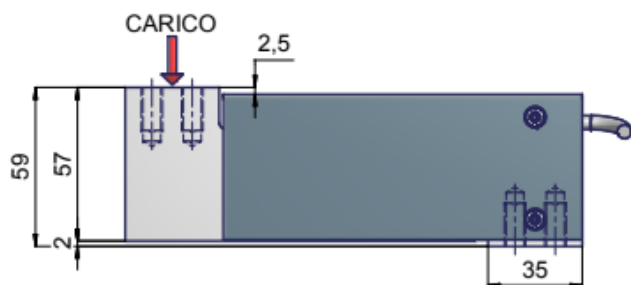
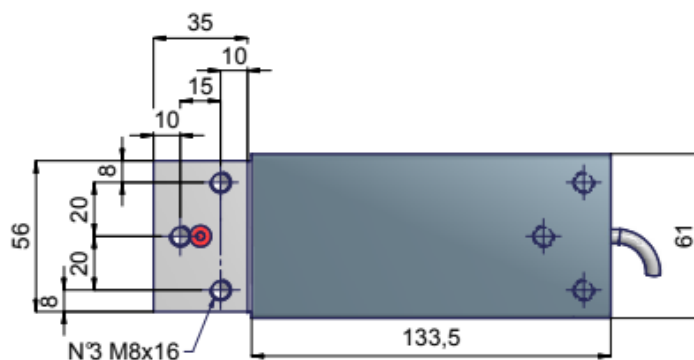
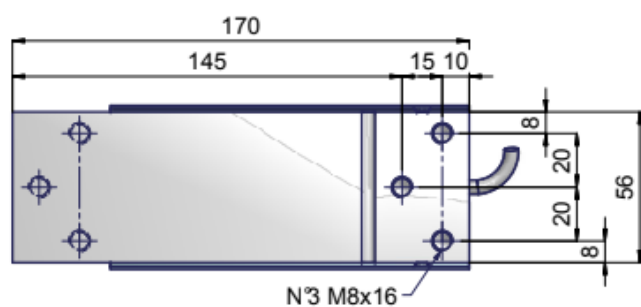


- 1 Capacities from 50 kg to 150 kg
- 2 Maximum platform size 600x600 mm
- 3 Protection IP65 (EN 60529)
- 4 High accuracy
- 5 On request ATEX zona 22 version

2. Applications

The single point load cells mod. BH are parallelogram transducers, mainly used in the construction of weighing platforms. The off center load performance allows a maximum platforms size of 600x600mm.

3. Dimensions (mm.)



Portata kg	Std	OIML	ATEX
50 kg	✓		✓
75 kg	✓		✓
100 kg	✓		✓
150 kg	✓		✓

BH

Off-center load cell

4. Product features

Accuracy class	Standard
Capacities fs (E _{max})	50 ÷ 150 kg
Plate	600 x 600 mm
Rated output (C _n)	2 mV/V ± 10 %
Y = E _{max} /V _{min}	//
Nominal excitation range	5 ÷ 10V
Maximum excitation	15V
Zero balance output	± 0,02 mV/V
Input resistance	400 ± 25 Ω
Output resistance	350 ± 2 Ω
Insulation resistance	> 5 GΩ
Combined error	<± 0,025 % fs
Non repeatability	<± 0,015 % fs
Creep 30 min.	<± 0,03 % 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)	IP65
Material	Aluminium
Displacement at nominal load	0,40 ÷ 0,50 mm
Fixing screws tightening torque	25 Nm
Weight	~ 1,2 kg
Cable lenght	5m - 6 x 0,14 mm ²

5. Wire diagram

