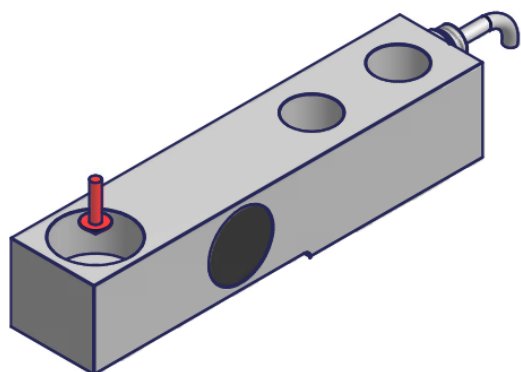


FB

Shear beam load cell

1. Product description

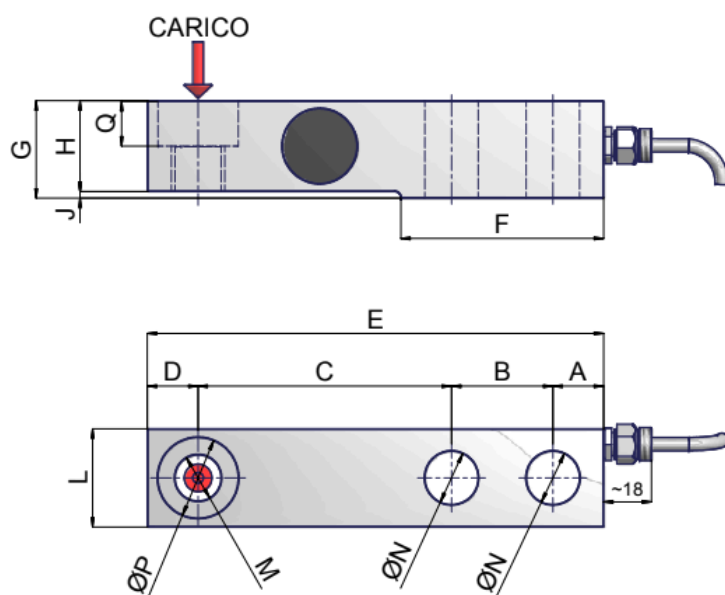


- 1 Capacities from 220 kg to 5000 kg
- 2 Low profile stainless steel construction
- 3 Protection IP65 (EN 60529)
- 4 High accuracy
- 5 Complies with OIML R60 regulations up to 3000 d
- 6 On request ATEX e IECEx version

2. Applications

The shear beam load cells mod. FB are mainly used in the construction of weighing system with low capacity range like: batching system for industrial products; weighing platform; weighing system for hopper, tank, etc. Available on request different mounting accessories such as: fixing plates, elastomers (anti-vibration mounts) and adjustable support feet.

3. Dimensions (mm.)



Portata kg	Std	OIML	ATEX
220 kg	✓	✓	✓
250 kg	✓	✓	✓
500 kg	✓	✓	✓
550 kg	✓	✓	✓
1000 kg	✓	✓	✓
1100 kg	✓	✓	✓
1500 kg	✓	✓	✓
1760 kg	✓	✓	✓
2200 kg	✓	✓	✓
2500 kg	✓	✓	✓
4400 kg	✓	✓	✓
5000 kg	✓	✓	✓

Portata kg	A	B	C	D	E	F	G	H	J	L	M	N	P	Q
220 - 250 - 500 - 550 kg	14,90	26,40	76,20	12,70	130,20	57,15	30,15	28,45	1,70	30,70	M12 x 1,75	13	20,50	14,70
1000 - 1100 - 1500 - 1760 kg	14,90	26,40	76,20	12,70	130,20	57,15	30,15	28,45	1,70	30,70	M12 x 1,75	13	20,50	14,70
2200 - 2500 kg	19,05	38,10	95,25	19,10	171,50	76,20	36,50	34,00	2,50	36,80	M20 x 2,50	20	30,20	17,00
4400 - 5000 kg	19,05	38,10	95,25	19,10	171,50	76,20	42,90	40,40	2,50	42,90	M20 x 2,50	20	30,20	20,20

FB

Shear beam load cell

4. Product features

Accuracy class	Standard	OIML C3
Capacities fs (E _{max})	220 ÷ 5000 kg	220 ÷ 5000 kg
Rated output (C _n)	2 mV/V ± 0,1%	2 mV/V ± 0,1%
Y = E _{max} /V _{min}	//	10000
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	<± 0,030% fs	<± 0,022% fs
Non repeatability	<± 0,010% fs	<± 0,008% fs
Creep 30 min.	<± 0,03% fs	<± 0,024% fs
Temperature effect on zero balance (5°C)	<± 0,02% fs	<± 0,018% fs
Temperature effect on rated output (5°C)	<± 0,005% fs	<± 0,0026% fs
Compensated temperature range	-10°C ÷ +40°C	-10°C ÷ +40°C
Operating temperature range	-15°C ÷ +70°C	-15°C ÷ +70°C
Maximum safe load	150% fs	150% fs
Ultimate load	>300% fs	>300% fs
Protection class (EN60529)	IP65	IP65
Material	Stainless steel	Stainless steel
Displacement at nominal load	0,30 ÷ 0,60 mm	0,30 ÷ 0,60 mm
Fixing screws tightening torque	(M12) 50 Nm (M18) 95 Nm	(M12) 50 Nm (M18) 95 Nm
Weight	~ 0,9 ÷ 2 kg	~ 0,9 ÷ 2 kg
Cable lenght	5m - 6 x 0,14 mm ²	5m - 6 x 0,14 mm ²
OIML R60 test certificate number	//	NL - 98.08 (TC5204)

5. Wire diagram

