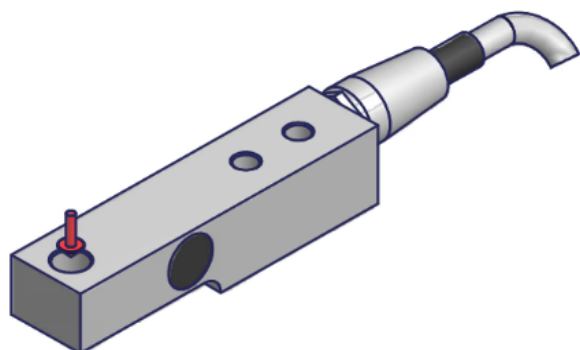


FT

Shear beam load cell

1. Product description

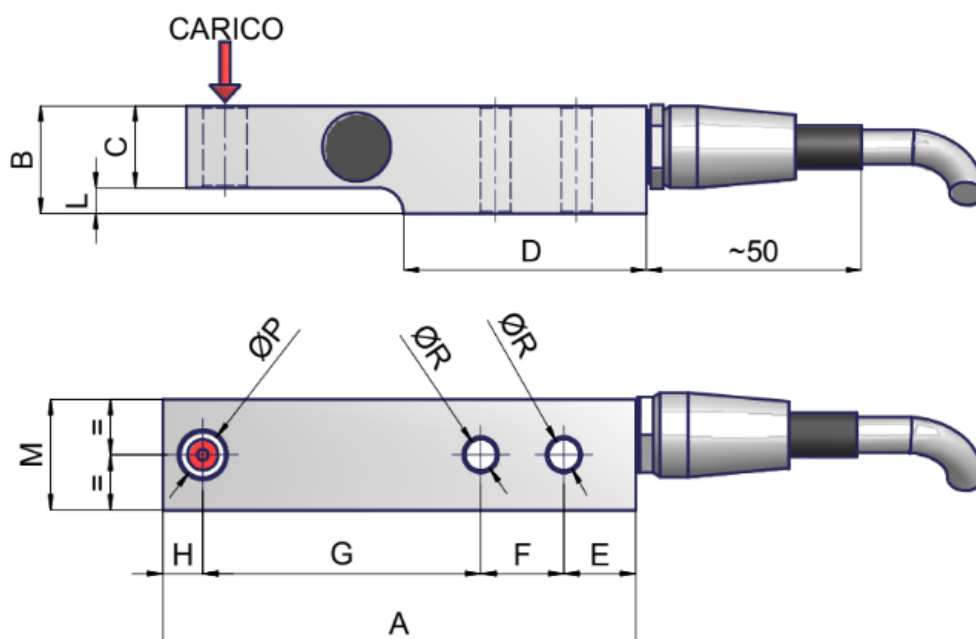


- 1 Capacities from 100 kg to 750 kg
- 2 Low profile construction
- 3 Protection IP65 (EN 60529)
- 4 High accuracy
- 5 On request ATEX e IECEx version

2. Applications

The shear beam load cells mod. FT 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.

3. Dimensions (mm.)



Portata kg	A	B	C	D	E	F	G	H	L	M	P	R	Std	OIML	ATEX
100 - 200 - 300 kg	108	25	19,00	57	16,40	19,00	63,50	9,10	6,00	25	10,30	7,10	✓		✓
350 - 500 - 750 kg	137	38	26,40	86	19,50	25,40	82,60	9,50	11,60	28	10,30	10,30	✓		✓

FT

Shear beam load cell

4. Product features

Accuracy class	Standard
Capacities fs (E _{max})	100 ÷ 750 kg
Rated output (C _n)	2 mV/V ± 0,1%
Nominal excitation range	5 ÷ 10V
Maximum excitation	15V
Zero balance output	± 0,02 mV/V
Input resistance	400 ± 20 Ω
Output resistance	350 ± 2 Ω
Insulation resistance	> 5 GΩ
Combined error	<± 0,030% fs
Non repeatability	<± 0,015% fs
Creep 30 min.	<± 0,030% fs
Temperature effect on zero balance (5°C)	<± 0,02% fs
Temperature effect on rated output (5°C)	<± 0,006% 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	0,25 ÷ 0,40 mm
Fixing screws tightening torque	(M6) 12 Nm (M10) 35 Nm
Weight	~ 0,5 kg
Cable lenght	5m - 6 x 0,14 mm ²

5. Wire diagram

