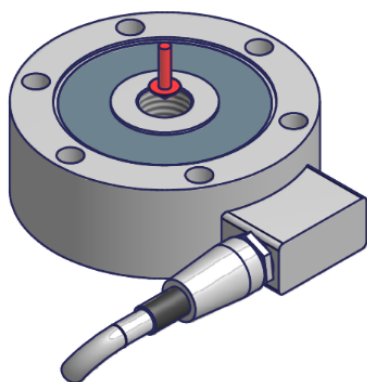


TA

Universal load cell

1. Product description

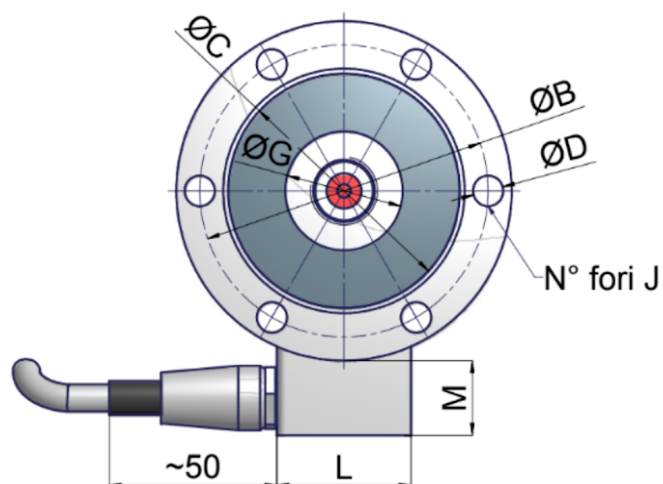
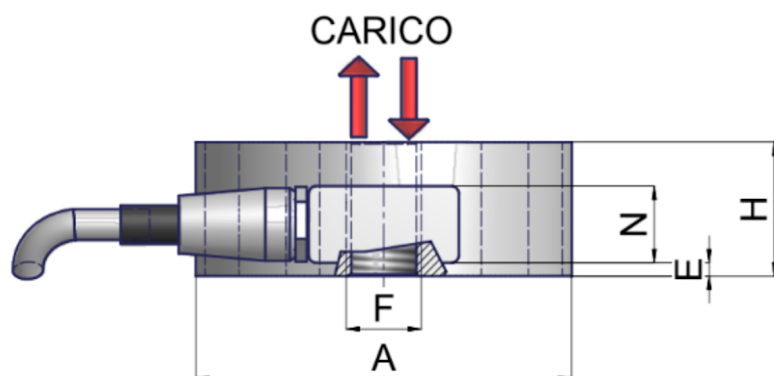


- 1 Capacities from 500 kg to 200000 kg
- 2 Stainless steel construction
- 3 Protection IP67 (EN 60529)
- 4 High accuracy
- 5 On request ATEX e IECEx version

2. Applications

Universal load cells mod. TA are high precision cells and for this reason they are mainly used in laboratory machine. It is possible to use in both loading directions.

3. Dimensions (mm.)



Portata t	A	B	C	D	E	F	G	H	J	L	M	N	Std	OIML	ATEX
0,5 - 1 - 2 t	100	86	72	9	3,5	M20 x 1,50	32	35	6	40	22	20	✓		✓
5 - 10 t	127	110	92	11	3,5	M30 x 2,00	47	35	8	40	22	20	✓		✓
20 - 30 - 50 - 60 t	165	138	108	13	5,0	M42 x 3,00	62	50	12	40	22	20	✓		✓
75 - 100 t	230	190	147	25	5,0	M72 x 3,00	104	70	12	40	22	20	✓		✓
200 t	345	290	240	26	10,0	M100 x 4,00	185	100	12	60	33	30	✓		✓

4. Product features

Accuracy class	Standard
Capacities fs (E _{max})	500÷200000 kg
Rated output (C _n)	(0,5÷100 t) 2 mV/V ± 0,1% (200 t) 1,5 mV/V ± 0,1%
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	<± 0,04 % fs
Non repeatability	<± 0,02 % fs
Creep 30 min.	<± 0,03 % fs
Reversibility	0.20 % fs
Temperature effect on zero balance (5°C)	<± 0,02 % fs
Temperature effect on rated output (5°C)	<± 0,005 % 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)	IP67
Material	Stainless steel
Displacement at nominal load	(M8) 18 Nm (M10) 46 Nm (M12) 80 Nm
Weight	Max ~ 6,8 kg
Cable lenght	5m - 6 x 0,14 mm ² / 0,35 mm ²

5. Wire diagram

