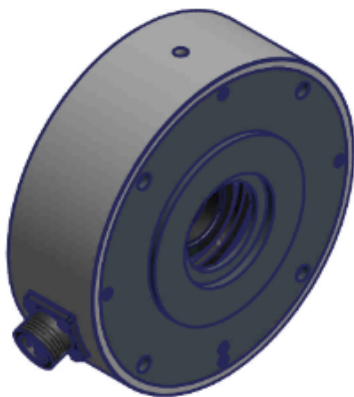


EP

Flange load cell

1. Product description

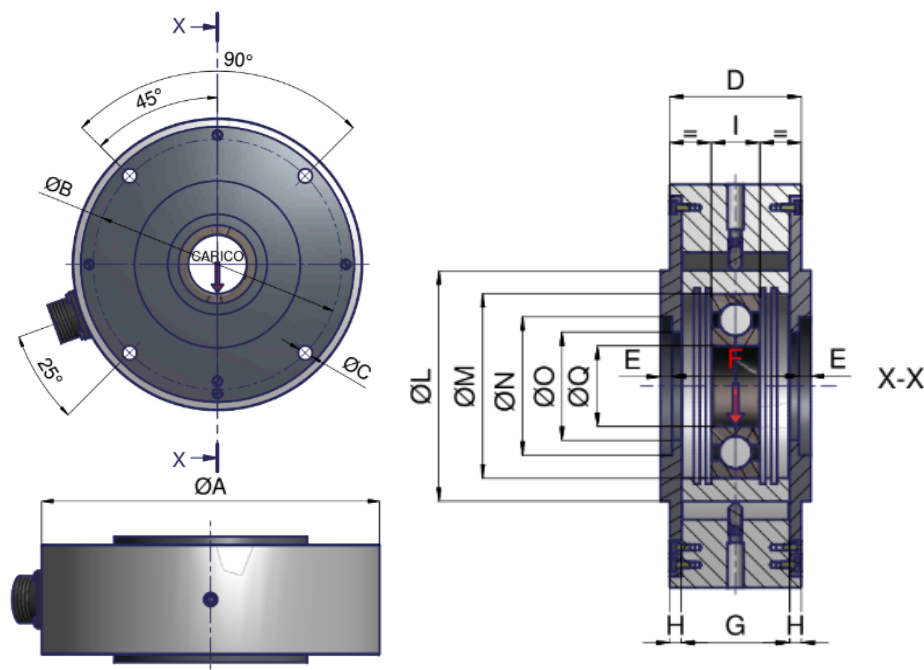


- 1 Capacities from 25 kg to 600 kg
- 2 Stainless steel construction
- 3 Protection IP60 (EN 60529)
- 4 On request ATEX zona 22 version

2. Applications

The "EP" flange load cells with clearance hole, have been conceived as a valid alternative to the "EC" series load cells, where the application of sensor rolls with through - shaft is requested. Their compact shape and the possibility to reach high load ranges, make these cells a versatile answer to various applications.

3. Dimensions (mm.)



Portata kg	Std	OIML	ATEX
25 kg	✓		✓
50 kg	✓		✓
150 kg	✓		✓
300 kg	✓		✓
600 kg	✓		✓

Modello / Portata kg	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q
EP 100 / 25 kg	100	70	6,5	36,5	3	30,5	20,50	5	10	50	32	28	18	16	12
EP 105 / 50 kg	105	75	6,5	36,5	3	30,5	20,50	5	12	60	40	35	24	22	17
EP 125 / 150 kg	125	95	6,5	47,5	4	39,5	29,50	5	18	70	52	46	34	31	20 / 25
EP 175 / 150 - 300 kg	175	150	8,5	65,0	4	57,0	47,00	5	21 / 31	100	80	60	47	44	35 / 40
EP 225 / 600 kg	225	175	10,5	75,0	4	67,0	57,00	5	27	130	110	80	68	64	50 / 60

EP

Flange load cell

4. Product features

Accuracy class	Standard
Capacities fs (E _{max})	25÷600 kg
Rated output (C _n)	2mV/V
Nominal excitation range	5 ÷ 10V
Maximum excitation	15V
Zero balance output	0,02 mV/V
Input resistance	373 ± 20 Ω
Output resistance	350 ± 2 Ω
Insulation resistance	> 5 GΩ
Combined error	<± 0,1% fs
Non repeatability	<± 0,03% fs
Creep 30 min.	<± 0,05% fs
Temperature effect on zero balance (5°C)	<± 0,02% fs
Temperature effect on rated output (5°C)	<± 0,015% fs
Compensated temperature range	-10°C ÷ +40°C
Operating temperature range	-20°C ÷ +70°C
Maximum safe load	120% fs
Ultimate load	>200% fs
Protection class (EN60529)	IP60
Material	Stainless steel
Weight	~ 2,7 ÷ 4 kg
Cable lenght	5m - 6 x 0,14 mm ²

5. Wire diagram

