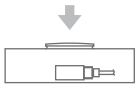
CBLS

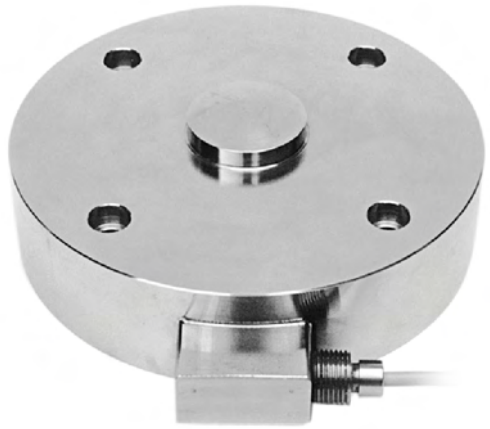
COMPRESSION LOAD CELLS - LOW PROFILE

LAUMAS® ELETTRONICA

Manufactured according to OIML R60 standards



Capacity from 200000 kg to 750000 kg



- 17-4 PH STAINLESS STEEL
- COMBINED ERROR ≤ ±0.10%
- PROTECTION CLASS IP68

CAPACITY kg			NET WEIGHT OF LOAD CELL (kg)	CODE
200000	•	•	20	CBLS200000
300000	•	•	42	CBLS300000
500000	•	•	60	CBLS500000
750000	•	•	60	CBLS750000

ON REQUEST

CERTIFICATIONS

CERTIFICATIONS ON REQUEST

	Calibration report (ACCREDIA LAT traceability)
	ATEX II 1GD *(zone 0-1-2-20-21-22)*
	IECEx II 1GD *(zone 0-1-2-20-21-22)*
	Complies with the Eurasian Custom Union regulations (Russia, Belarus, Kazakhstan)

OPTIONS ON REQUEST

DESCRIPTION
Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems

COMPLEMENTARY ACCESSORIES

DESCRIPTION		CODE
Upper plate. Dimensions:	Maximum static load:	
Ø119 mm; h=60 mm	200000 kg	BOTTONE200
Ø198 mm; h=60 mm	300000 kg	BOTTONE
Ø198 mm; h=89 mm	500000 - 750000 kg	BOTTONE750

Rev. 00 del 12/03/2015

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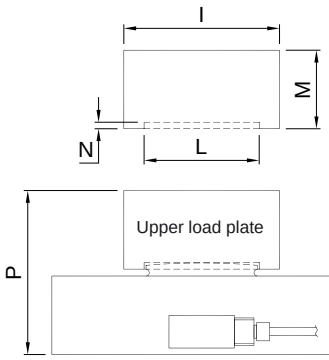
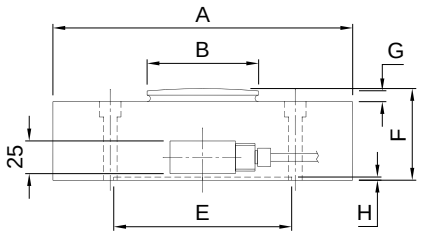
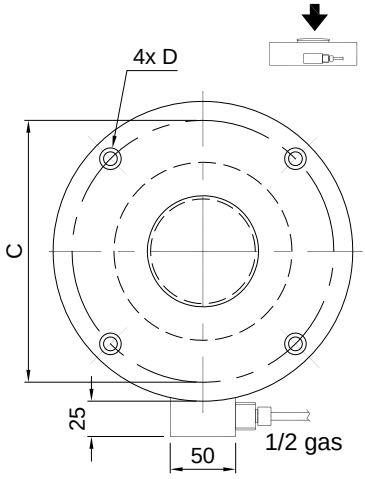
DIMENSIONS (mm)



	I	L	M	N	P
200 t	119	88	60	5	125
300 t	198	156	60	5	140
500 - 750 t	198	156	89	9	200

	A	B	C	D	E	F	G	H	*weight*
200 t	229	87	200	10.5	136	70	10	2	20 kg
300 t	299	155	260	12.5	230	85	12	2	42 kg
500 - 750 t	299	155	260	12.5	230	120	14	2	60 kg





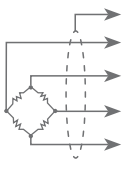
TECHNICAL FEATURES

Material	AISI 420 stainless steel
Nominal load (E max)	200000 - 300000 - 500000 - 750000 kg
Combined error	≤±0.10%
Protection class	IP68

Rated output	2 mV/V ±0.1%	Input resistance	700 Ω ±20
Temperature effect on zero	0.005% °C	Output resistance	700 Ω ±5
Temperature effect on span	0.005% °C	Zero balance	±1%
Compensated temperature range	-10 °C / +50 °C	Insulation resistance	>5000 MΩ
Operating temperature range	-20 °C / +70 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.03%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	15 V	Deflection at nominal load	0.4 mm

ELECTRICAL CONNECTIONS

Cable lenght	10 m
Cable diameter	5 mm
Cores	4/6 x 0.14 mm²



	SHIELD	
	+ SIGNAL	GREEN
■	+ EXCITATION + REF./SENSE	RED BLUE
	- SIGNAL	WHITE
■	- EXCITATION - REF./SENSE	BLACK BROWN

■ where provided

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ISO 9001:2008
ISO 14001:2004