CX

COMPRESSION LOAD CELLS - LOW PROFILE

Capacity from 1000 kg to 30000 kg



- AISI 420 STAINLESS STEEL
- COMBINED ERROR ≤ ±0.05%
- IP68 PROTECTION RATING

MOUNTING KITS



V10000 - V10275



V15000 - V30000 - V100000



Z10000



Z15000/100000

CAPACITY kg	NET WEIGHT (kg)
1000	1.1
2500	1.1
5000	1.1
7500	1.1
10000	1.1
15000	1.4
30000	2.2

CERTIFICATIONS

Complies with the Eurasian Customs Union regulations

Equivalent of the CE marking for the United Kingdom

CERTIFICATIONS ON REQUEST

IP69K	Declaration of conformity + IP69K marking protection rating *Water protection in case of high-pressure or steam jet cleaning (test: pressurized water is sprayed from a distance of max 150 mm)* *Water pressure: 100 bar; temperature: 80 °C; test duration: 250 seconds (reference standard: DIN 40050-9)*
	Calibration report
	LAT Accredia calibration certificate ISO 376 or ASTM E74 for capacities from 1000 kg to 10000 kg
	ATEX *(zone 2-22)*
	Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
	Complies with Chinese market regulations for use in potentially explosive atmospheres

CX

COMPRESSION LOAD CELLS - LOW PROFILE

LAUMAS®

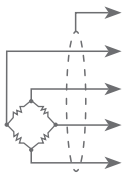
TECHNICAL FEATURES

Material	AISI 420 stainless steel
Nominal load (E max)	1000, 2500, 5000, 7500, 10000, 15000, 30000 kg
Combined error	≤ ±0.05%
Protection rating	IP68

Rated output	2 mV/V ±0.4%	Input resistance	765 Ω ±15
Temperature effect on zero	0.002% °C	Output resistance	700 Ω ±5
Temperature effect on span	0.002% °C	Zero balance	±2%
Compensated temperature range	-10 °C / +50 °C	Insulation resistance	>5000 MΩ
Operating temperature range	-20 °C / +60 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.02%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	15 V	Deflection at nominal load	0.4 mm

ELECTRICAL CONNECTIONS

Cable length	10 m
Cable diameter	5 mm
Cores	6 x 0.25 mm²

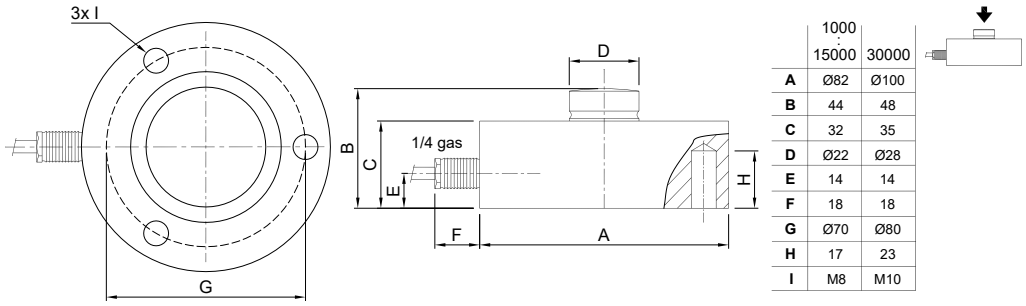


SHIELD	
+ SIGNAL	GREEN
+ EXCITATION + REF./SENSE	RED BLUE
- SIGNAL	WHITE
- EXCITATION - REF./SENSE	BLACK YELLOW

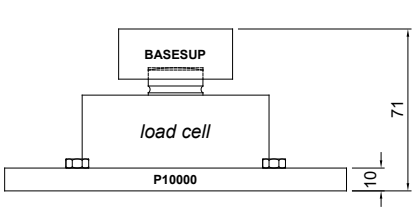
COMPLEMENTARY ACCESSORIES

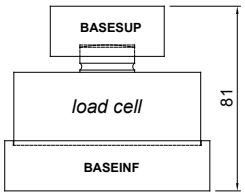
	DESCRIPTION		MODEL
	AISI 304 stainless steel threaded upper base for compression load cells.	M12x1.75 mm	BASESUPFIL
	AISI 304 stainless steel turned lower base for compression load cells.	Ø110x22 mm	BINF100
	Lower plate and turned upper base in AISI 304 stainless steel. Load cell capacity: up to 15000 kg.		BASESUP P10000
	Turned upper and lower bases in AISI 304 stainless steel. Load cell capacity: up to 15000 kg.		BASESUP BASEINF
	Lower plate and turned lower base in AISI 304 stainless steel. Load cell capacity: up to 15000 kg.		BASEINF PIASTRA200

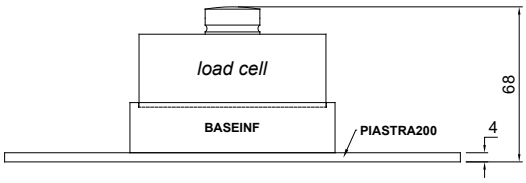
DIMENSIONS (mm)



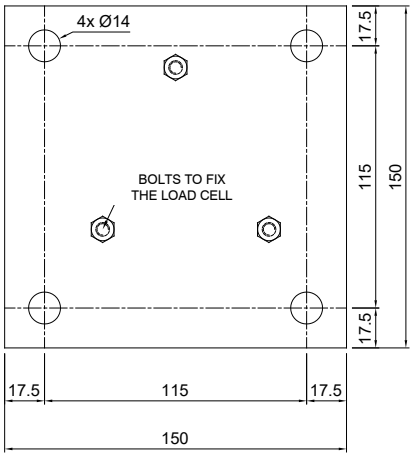
	1000 ÷ 15000	30000
A	Ø82	Ø100
B	44	48
C	32	35
D	Ø22	Ø28
E	14	14
F	18	18
G	Ø70	Ø80
H	17	23
I	M8	M10



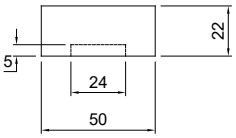




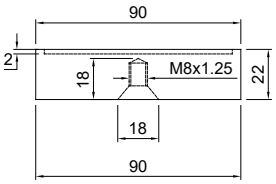
P10000



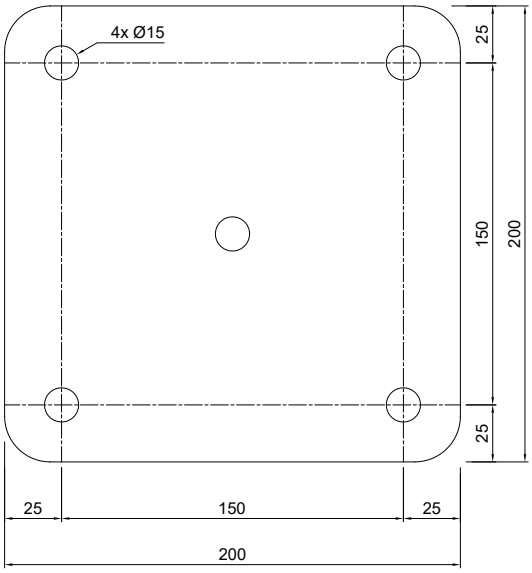
BASESUP



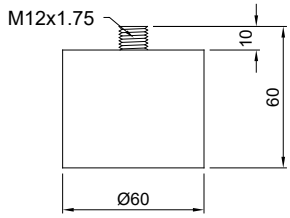
BASEINF



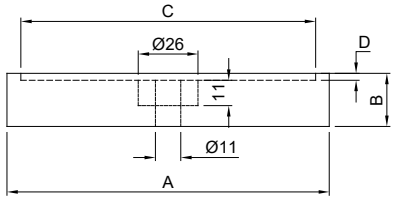
PIASTRA200



BASESUPFIL



BINF



	A	B	C	D
BINF100	Ø110	22	Ø102	2

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