CBX

COMPRESSION LOAD CELLS - LOW PROFILE

Manufactured according to OIML R60 standards

Capacity from 15000 kg to 50000 kg



- 17-4 PH STAINLESS STEEL
- COMBINED ERROR ≤ ±0.035%
- IP68 PROTECTION RATING

MOUNTING KITS



V10000/V10275-EN1090 series



V15000/V100000-EN1090 series



Z10000



Z15000/100000 series

CAPACITY kg	NET WEIGHT (kg)
15000	1.4
30000	2.2
50000	3.8

CERTIFICATIONS

Complies with the Eurasian Customs Union regulations

Equivalent of the CE marking for the United Kingdom

CERTIFICATIONS ON REQUEST
Calibration report
ATEX *(zone 2-22)*
ATEX/IECEx *(zone 1-21)*
Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
Complies with Chinese market regulations for use in potentially explosive atmospheres

OPTIONS ON REQUEST

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

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LAUMAS®

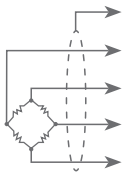
TECHNICAL FEATURES

Material	17-4 PH stainless steel
Nominal load (E max)	15000 - 30000 - 50000 kg
Combined error	≤ ±0.035%
Protection rating	IP68

Rated output	2 mV/V ±0.1%	Input resistance	700 Ω ±5
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	>10000 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

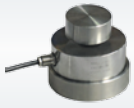
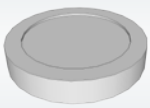
ELECTRICAL CONNECTIONS

Cable length	10 m
Cable diameter	5 mm
Cores	6 x 0.14 mm²

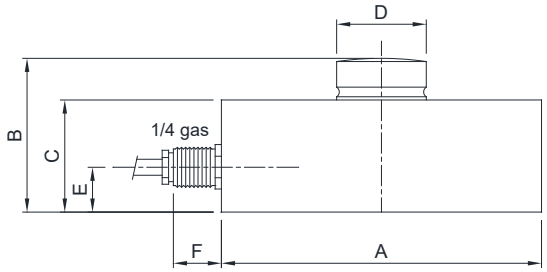


SHIELD	
+ SIGNAL	GREEN
+ EXCITATION + REF./SENSE	RED BLUE
- SIGNAL	WHITE
- EXCITATION - REF./SENSE	BLACK YELLOW

COMPLEMENTARY ACCESSORIES

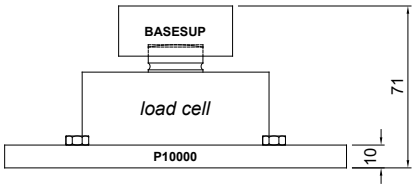
	DESCRIPTION		MODEL
	AISI 304 stainless steel threaded upper base for compression load cells.	M12x1.75 mm	BASESUPFIL
	AISI 304 stainless steel turned lower base for compression load cells.	Ø110x22 mm Ø140x23 mm	BINF100 BINF126
	Lower plate and turned upper base in AISI 304 stainless steel. Load cell capacity: 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
	AISI 304 stainless steel adapter for mounting kit: - V15000 - V30000 - V100000	 for Ø82 mm load cells for Ø100 mm load cells for Ø126 mm load cells	 ADAT100 ADAT126 ADAT165

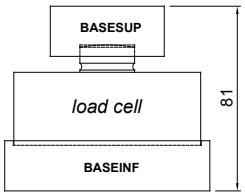
DIMENSIONS (mm)

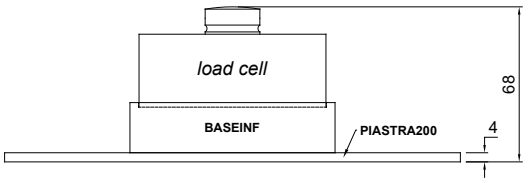


kg	15000	30000	50000
A	Ø82	Ø100	Ø126
B	44	48	54
C	32	35	40
D	Ø22	Ø28	Ø35
E	14	14	14
F	15	15	15

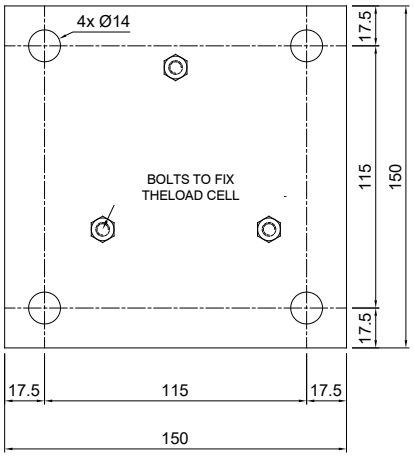




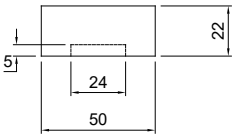




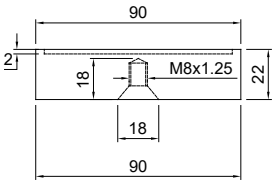
P10000



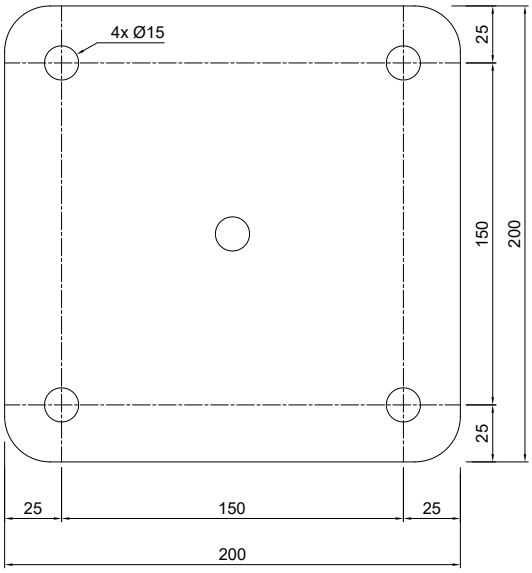
BASESUP



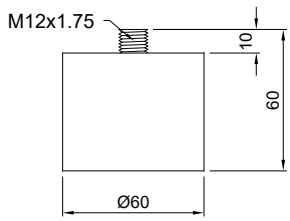
BASEINF



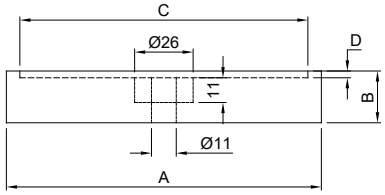
PIASTRA200



BASESUPFIL



BINF



	A	B	C	D
BINF100	Ø110	22	Ø102	2
BINF126	Ø140	23	Ø128	3

The Company reserves the right to make changes to the technical data, drawings and images without notice.