

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%
- PROTECTION CLASS IP68

MOUNTING KITS



CAPACITY	kg						NET WEIGHT (kg)	CODE
15000		•	•	•	•	•	1.4	CBX15000
30000		•	•	•	•	•	2.2	CBX30000
50000		•	•	•	•	•	3.8	CBX50000
ON REQUEST								

CERTIFICATIONS

	Complies with the Eurasian Custom Union standards
CERTIFICATIONS ON REQUEST	
	Accredia traceable calibration report
	ATEX II 1GD (zone 0-1-2-20-21-22)
	IECEx (zone 0-1-2-20-21-22)
	Complies with the Eurasian Custom Union standards for use in potentially explosive atmospheres

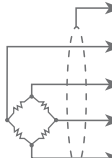
OPTIONS ON REQUEST

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

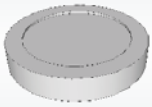
TECHNICAL FEATURES

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

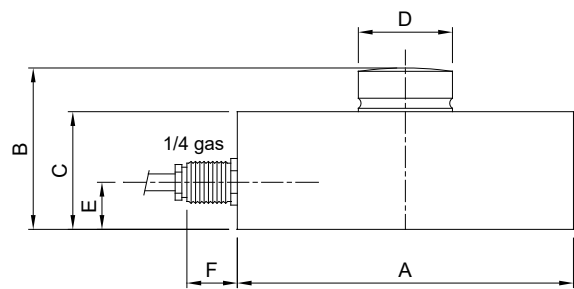
ELECTRICAL CONNECTIONS

Cable lenght	10 m		SHIELD		
Cable diameter	5 mm		+ SIGNAL	GREEN	
Cores	6 x 0.14 mm²		+ EXCITATION + REF./SENSE	RED BLUE	
			- SIGNAL	WHITE	
			- EXCITATION - REF./SENSE	BLACK YELLOW	

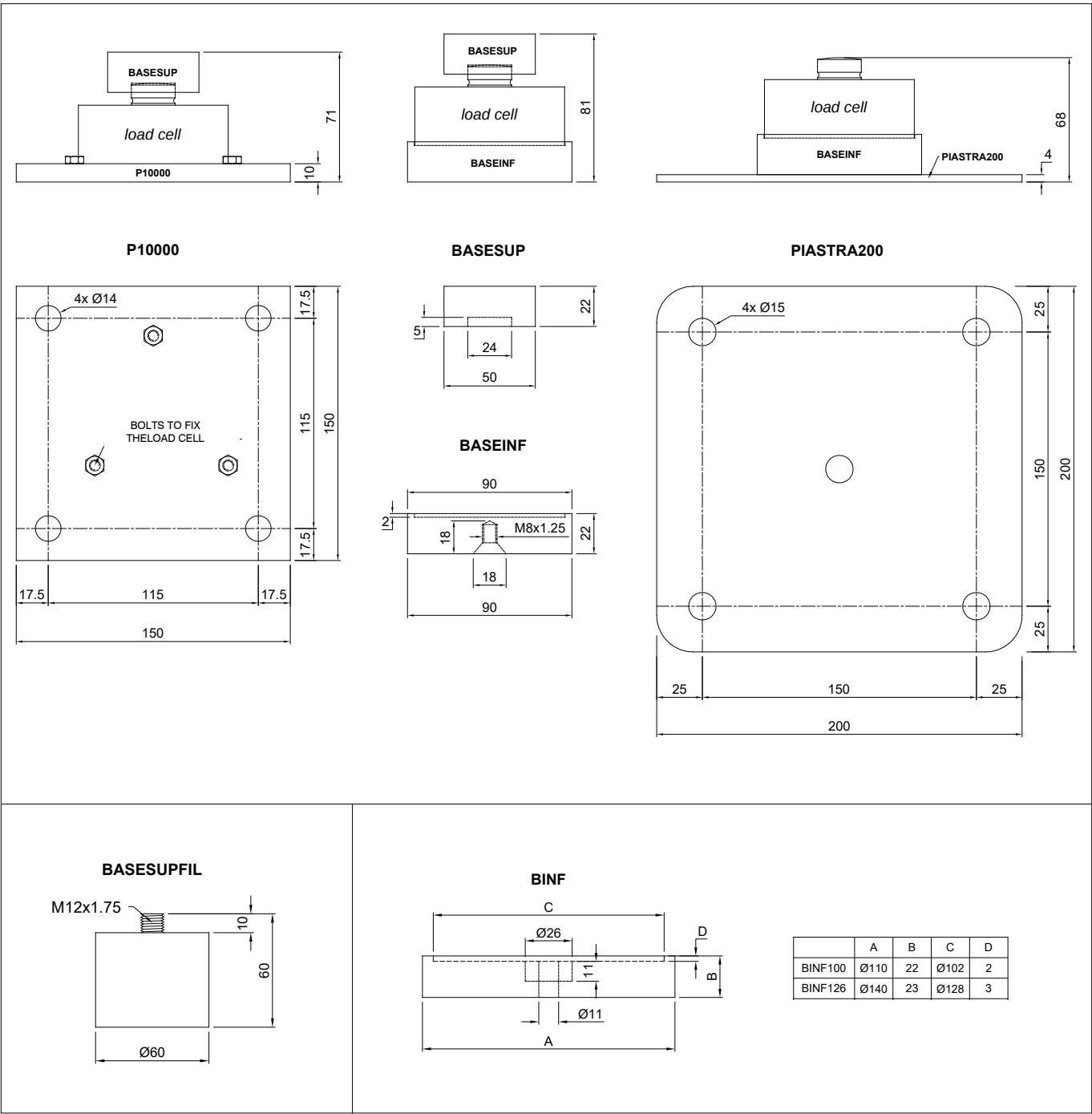
COMPLEMENTARY ACCESSORIES

	DESCRIPTION		CODE
	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: 15000 kg.		BASESUP P10000
	Turned upper and lower bases in AISI 304 stainless steel. Load cell capacity: 15000 kg.		BASESUP BASEINF
	Lower plate and turned lower base in AISI 304 stainless steel. Load cell capacity: 15000 kg.		BASEINF PIASTRA200
	AISI 304 stainless steel adapter for mounting kit: - V15000 for Ø82 mm load cells - V30000 for Ø100 mm load cells - V100000 for Ø126 mm load cells		ADAT100CBX15T ADAT126CBX30T ADAT165CBX50T

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



Rev. 0.0

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