CLBT

COMPRESSION/TENSION LOAD CELLS

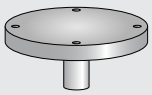
Manufactured according to OIML R60 standards

Capacity from 50 kg to 500 kg

- 50-100 kg: ALUMINUM ALLOY (AVIONAL)
- 500 kg: 17-4 PH STAINLESS STEEL
- COMBINED ERROR ≤ ±0.05%
- IP65 PROTECTION RATING

CAPACITY kg	NET WEIGHT (kg)
50	0,15
100	0,15
500	0,25

COMPLEMENTARY ACCESSORIES

	DESCRIPTION	CODE
	Lower base	BINFCLBT

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)*

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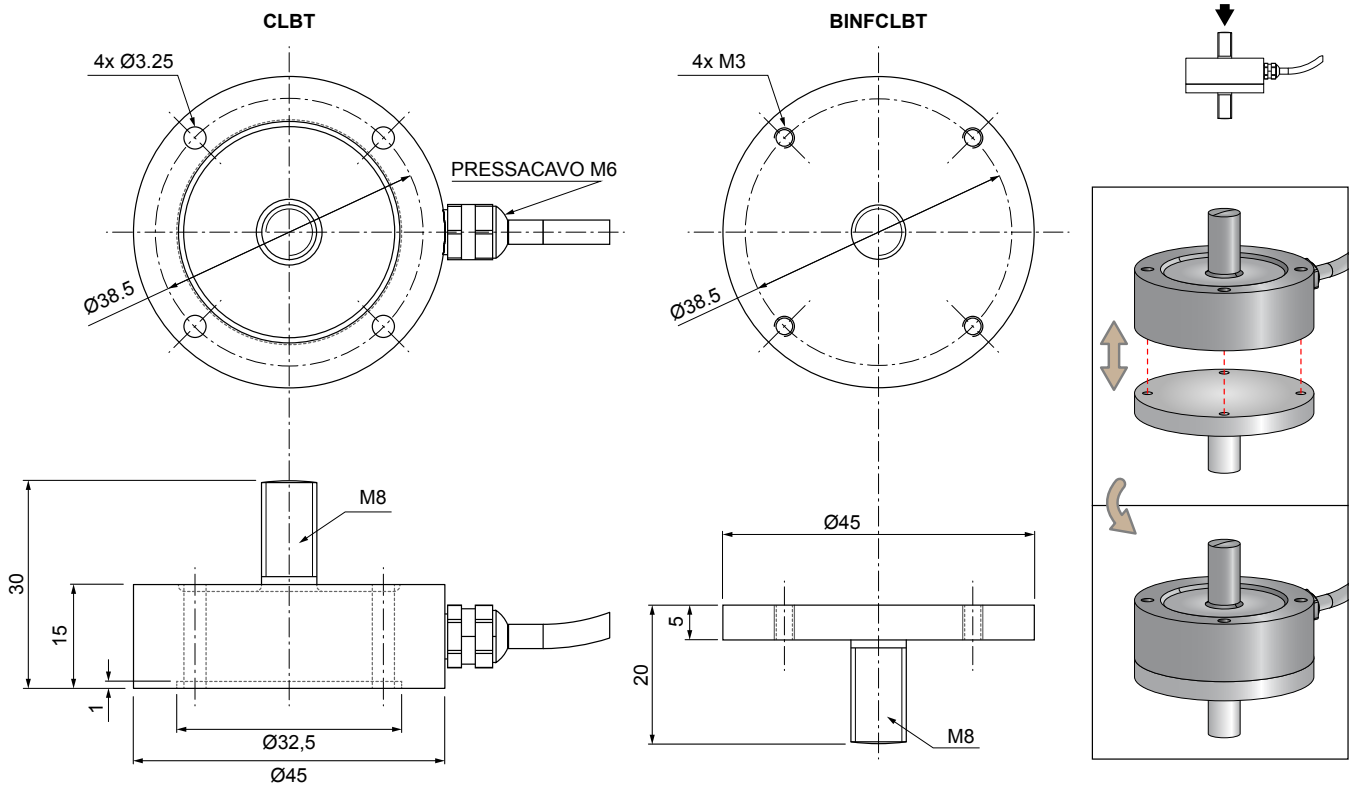
LAUMAS®

DIMENSIONS (mm)



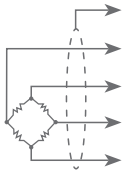
TECHNICAL FEATURES

Material	Aluminum alloy (Avional)	17-4 PH stainless steel
Nominal load (E max)	50 - 100 kg	500 kg
Combined error	≤ ±0.05%	
Protection rating	IP65	

Rated output	2 mV/V ±10%	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	-20 °C / +70 °C	Insulation resistance	>5000 MΩ
Operating temperature range	-30 °C / +90 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 20 minutes	0.03%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	5÷15 V	Deflection at nominal load	0.3 mm

ELECTRICAL CONNECTIONS

Cable length	5 m
Cable diameter	5 mm
Cores	6 x 0.088 mm²



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

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

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ISO 9001
ISO 14001