

CLBT

COMPRESSION / TENSION LOAD CELLS

LAUMAS®



Manufactured according to OIML R60 standards

Capacity from 50 kg to 500 kg

- 50-100 kg: ALUMINIUM ALLOY (AVIONAL)
- 500 kg: 17-4 PH STAINLESS STEEL
- COMBINED ERROR $\leq \pm 0.05\%$
- PROTECTION CLASS IP65



CAPACITY	kg	NET WEIGHT OF LOAD CELL (kg)	CODE
	50	0,15	CLBT50
	100	0,15	CLBT100
	500	0,25	CLBT500

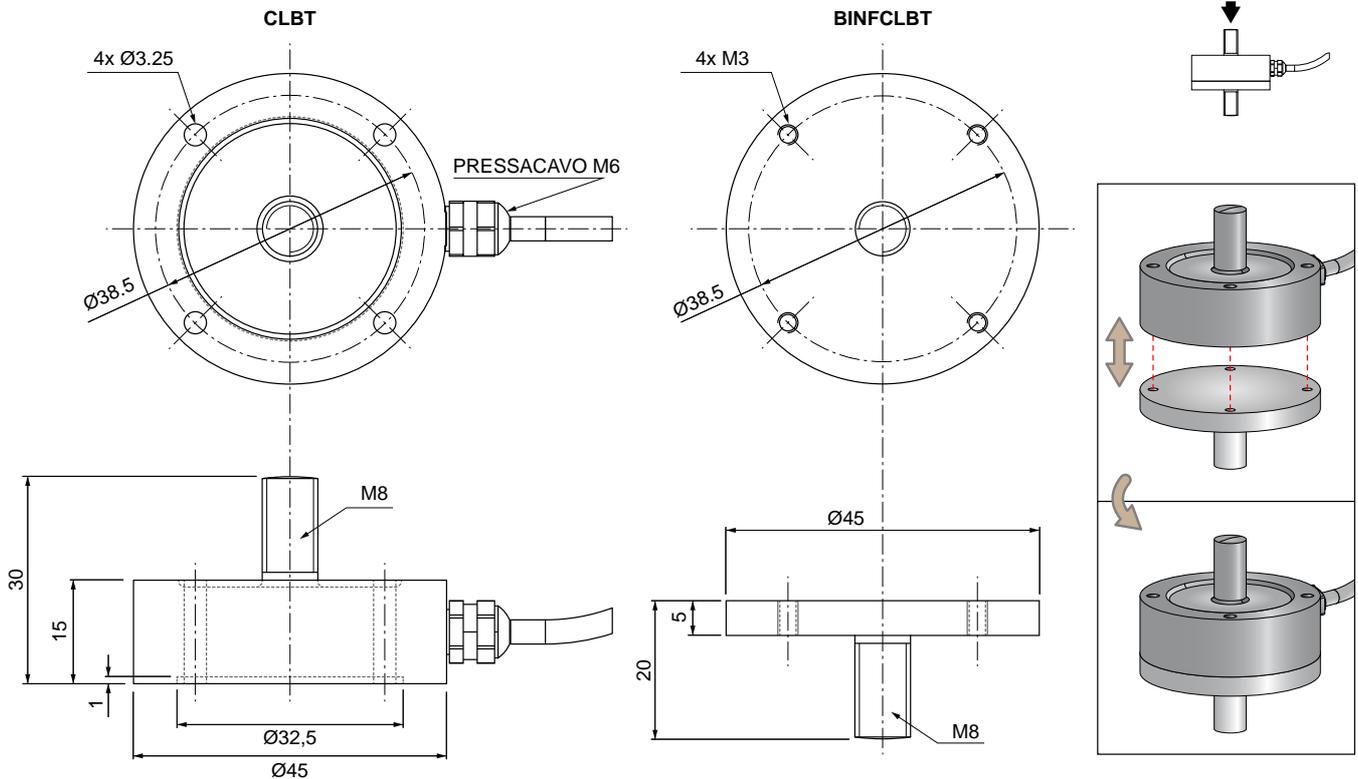
COMPLEMENTARY ACCESSORIES

	DESCRIPTION	CODE
	Lower base	BINFCLBT

CERTIFICATIONS

 Complies with the Eurasian Custom Union standards

DIMENSIONS (mm)



TECHNICAL FEATURES

Material	Aluminium alloy (Avional)	17-4 PH stainless steel	
Nominal load (E max)	50 - 100 kg	500 kg	
Combined error	≤ ±0.05%		
Protection class	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	-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 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 mm ²

