

CLBT

COMPRESSION / TENSION LOAD CELLS

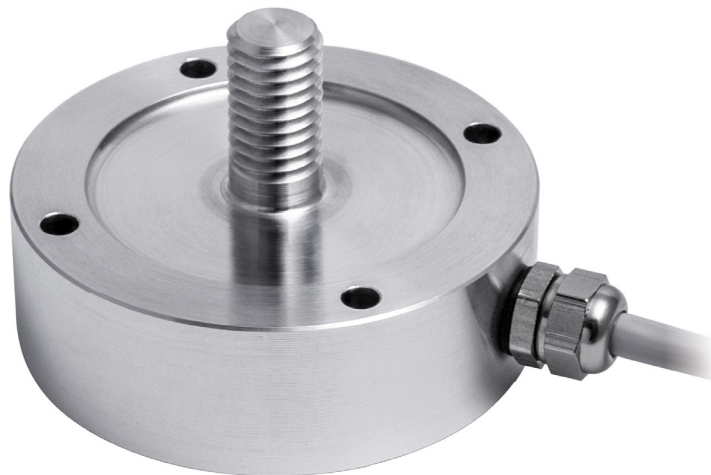
LAUMAS®



Manufactured according to OIML R60 standards

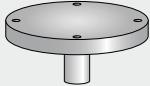
Capacity from 50 kg to 500 kg

- 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 (kg)	CODE
50		0,15	CLBT50
100		0,15	CLBT100
500		0,25	CLBT500

COMPLEMENTARY ACCESSORIES

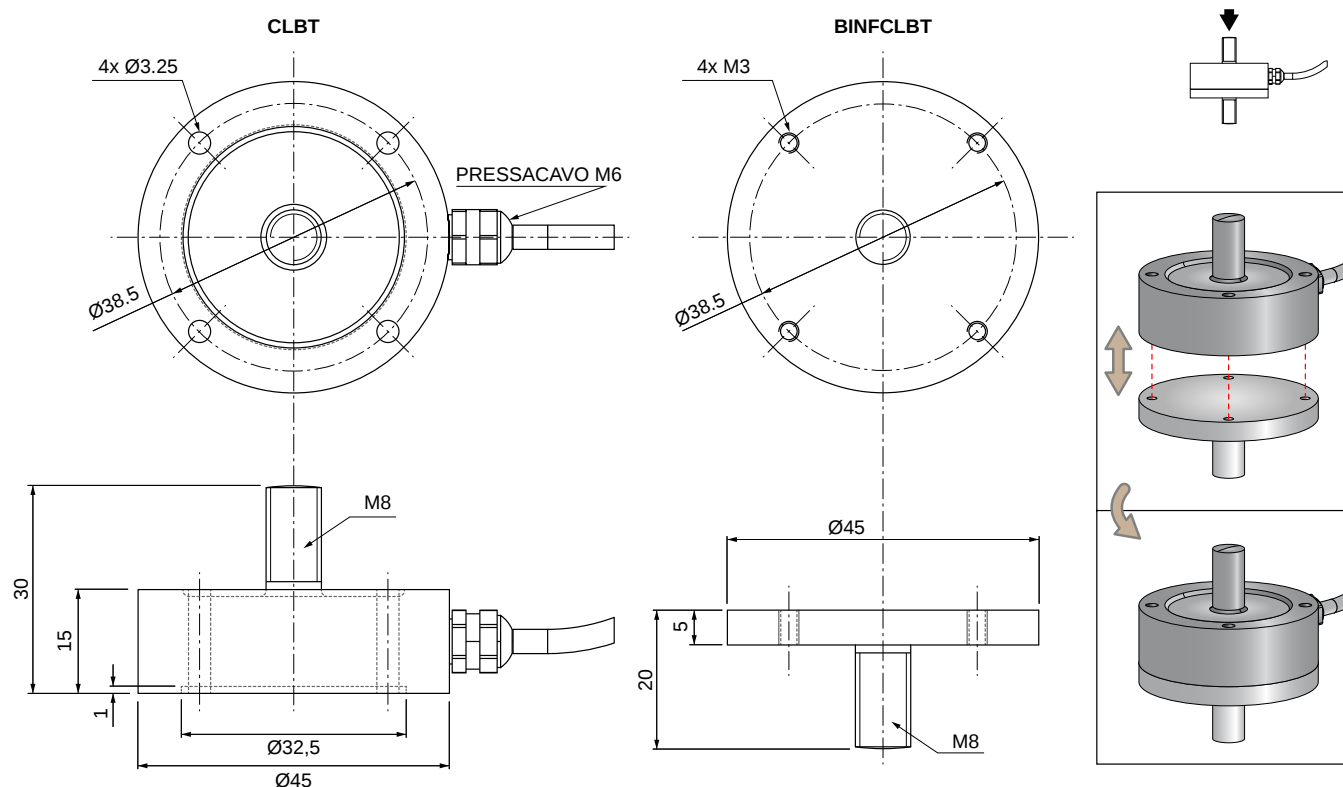
	DESCRIPTION	CODE
	Lower base	BINFCLBT

CERTIFICATIONS

EAC Complies with the Eurasian Customs Union standards

Rev. 0.0

DIMENSIONS (mm)

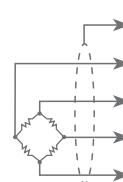


TECHNICAL FEATURES

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



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