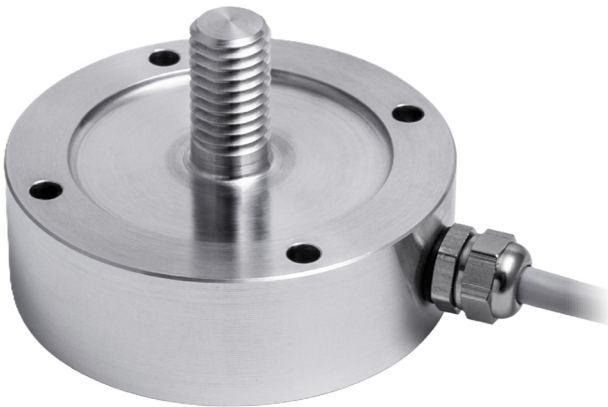


COMPRESSION AND TENSION LOAD CELL

TENSION &
COMPRESSION



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

CE

RoHS COMPLIANT

REACH COMPLIANCE

IP65

Aluminum Alloy

Stainless Steel
17-4 PH - 1.4542

EAC

UK CA

IECEx

ISO 17025
ACCREDITED LABORATORY



mV/V Manufactured according to OIML R60 standards

NOMINAL LOAD (FS)

kg	kN	Net weight (kg)	Combined error	EAC	UK CA			Rated Output (mV/V)
50	0.5	0.15	$\leq \pm 0.05 \%$	•	•	•	•	2 $\pm 10\%$
100	1	0.15	$\leq \pm 0.05 \%$	•	•	•	•	2 $\pm 10\%$
500	5	0.25	$\leq \pm 0.05 \%$	•	•	•	•	2 $\pm 10\%$

ON REQUEST



TECHNICAL DATA

PRECISION

Rated Output (Cn)	2 mV/V ± 10 % at FS
Zero Balance	± 1 %
Combined error	$\leq \pm 0.05$ %FS
Creep	0.03 % (at 20 min FS)
Temperature coefficient of zero	0.005 %/°C
Temperature coefficient of sensitivity	0.005 %/°C
Compensated temperature range	-20...+70 °C
Operating temperature range	-30...+90 °C

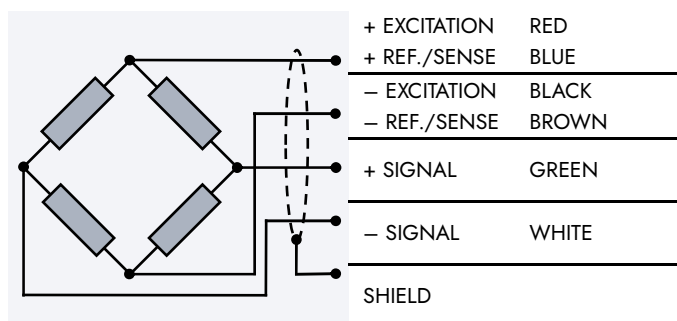
MECHANICAL PROPERTIES

Material 50...100 kg	ALUMINUM ALLOY (Avional)
Material 500 kg	17-4 PH – 1.4542 STAINLESS STEEL
Deflection at FN	0.3 mm

ELECTRICAL PROPERTIES

Bridge configuration	Full Wheatstone bridge, 6-wire
Input resistance	700 Ω ± 20
Output resistance	700 Ω ± 5
Insulation resistance	> 5 000 M Ω
Max. supply voltage without damage	5...15 V
Cable diameter	5 mm
Cable cores	6 x 0.088 mm ²
Cable length	5 000 mm

ELECTRICAL CONNECTION

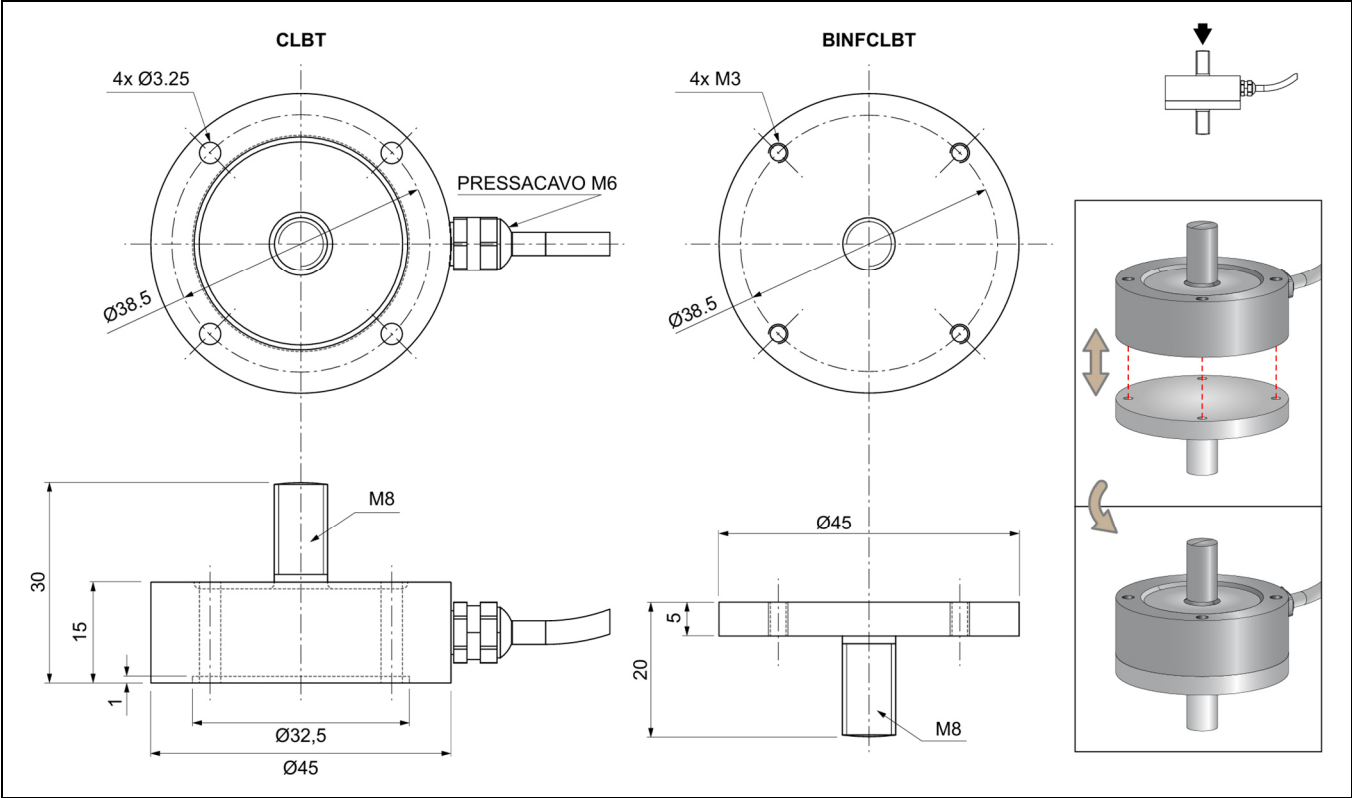


MECHANICAL LIMITS

Safe overload	150 %FS	The highest static load that may be applied once or briefly without mechanical damage.
Ultimate overload	300 %FS	Load at which permanent deformation or mechanical failure (fracture) occurs.



DIMENSIONS (mm)



COMPLEMENTARY ACCESSORIES

Lower base		
Code	BINFCLBT	



COMPLIANCE AND CERTIFICATION

Protection Rating	IP65 according to IEC 60529	
Compliance	CE, RoHS, REACH	
Calibration	Factory calibrated, ISO 17025 calibration available on request	
HS-CODE	9031.80.80	
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)

