

COMPRESSION LOAD CELL - LOW PROFILE



- 17-4 PH STAINLESS STEEL
- COMBINED ERROR $\leq \pm 0.5 \%$
- IP67 PROTECTION RATING



Manufactured according to OIML R60 standards

NOMINAL LOAD (FS)

kg	kN	Net weight (kg)	Combined error	EAC	UKCA	Ex	EACEx	NEPSI	Rated Output (mV/V)
200	2	0.11	$\leq \pm 0.5 \%$	•	•	•	•	•	1 $\pm$ 15%
500	5	0.08	$\leq \pm 0.5 \%$	•	•	•	•	•	1 $\pm$ 15%
1 000	10	0.17	$\leq \pm 0.5 \%$	•	•	•	•	•	1 $\pm$ 15%
2 500	25	0.17	$\leq \pm 0.5 \%$	•	•	•	•	•	1 $\pm$ 15%

ON REQUEST



TECHNICAL DATA

PRECISION

Rated Output (Cn)	1 mV/V ± 15 % at FS
Zero Balance	± 1 %
Combined error	$\leq \pm 0.5$ %FS
Creep	0.3 % (at 30 min FS)
Temperature coefficient of zero	0.005 %/°C
Temperature coefficient of sensitivity	0.005 %/°C
Compensated temperature range	-10...+50 °C
Operating temperature range	-20...+70 °C

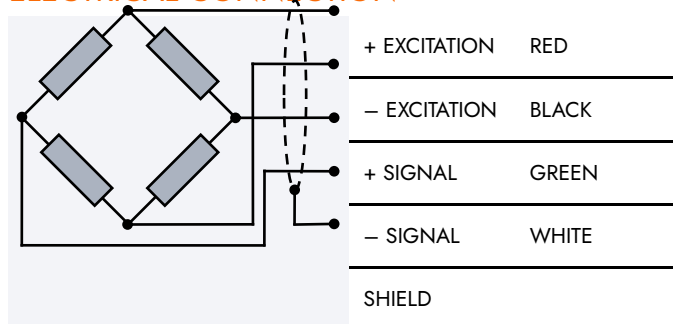
MECHANICAL PROPERTIES

Material	17-4 PH stainless steel
Deflection at FN	0.3 mm

ELECTRICAL PROPERTIES

Bridge configuration	Full Wheatstone bridge, 4-wire
Input resistance	400 Ω ± 100
Output resistance	350 Ω ± 5
Insulation resistance	> 5 000 M Ω
Max. supply voltage without damage	15 V
Cable diameter	3 mm
Cable cores	4 x 0.25 mm ²
Cable length	5 m

ELECTRICAL CONNECTION

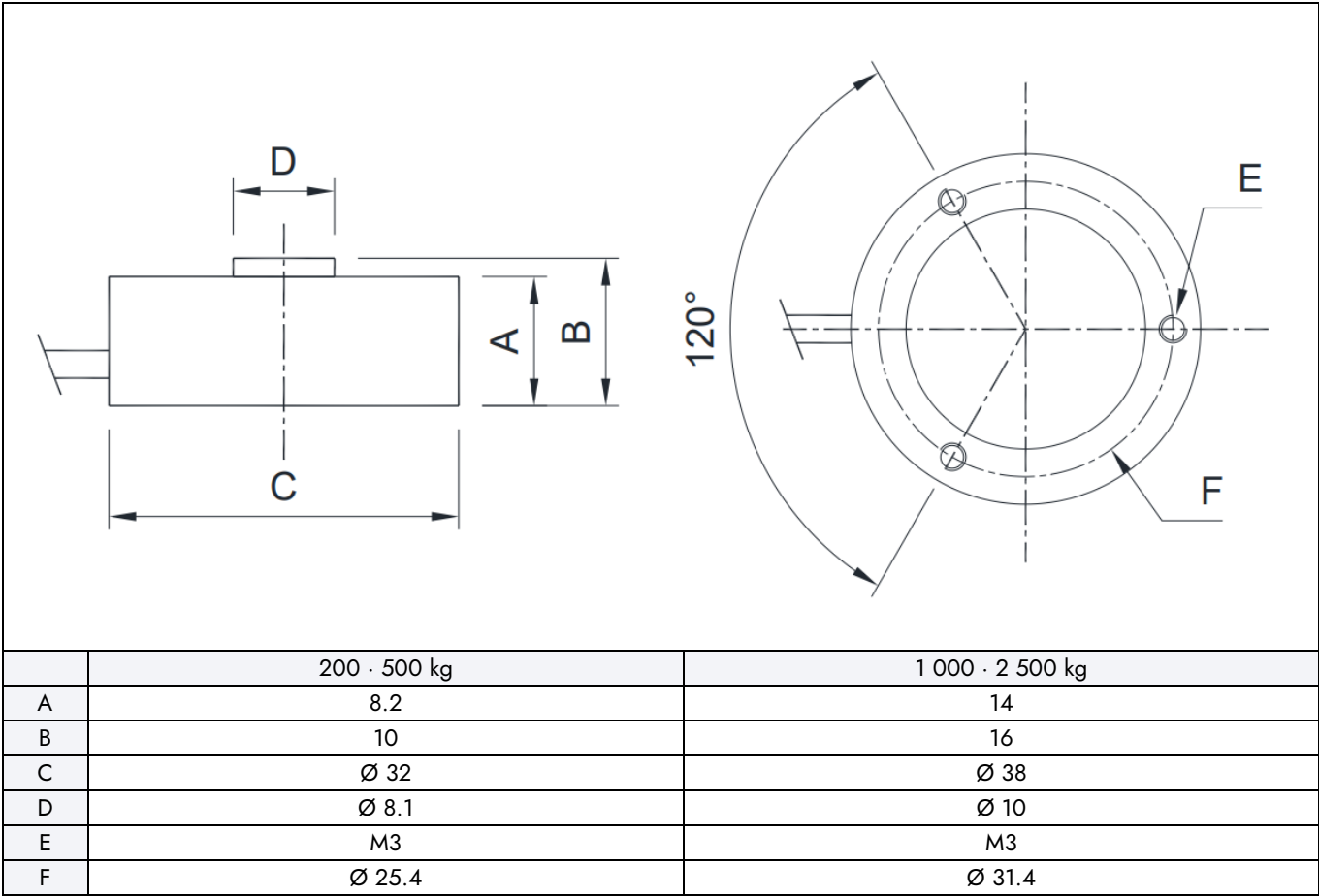


MECHANICAL LIMITS

Safe overload	120 %FS	The highest static load that may be applied once or briefly without mechanical damage.
Ultimate overload	200 %FS	Load at which permanent deformation or mechanical failure (fracture) occurs.



DIMENSIONS (mm)



COMPLIANCE AND CERTIFICATION

Protection Rating	IP67 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
		LAT Accredia calibration certificate ISO 376 or ASTM E74 for <u>capacities from 1000 kg to 10000 kg</u>
		ATEX (zone 2-22)
		Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
		Complies with Chinese market regulations for use in potentially explosive atmospheres

