

COMPRESSION LOAD CELL - LOW PROFILE



- 17-4 PH STAINLESS STEEL
- COMBINED ERROR $\leq \pm 0.10 \%$
- IP68 PROTECTION RATING



Manufactured according to OIML R60 standards

NOMINAL LOAD (FS)

kg	kN	Net weight (kg)	Combined error	EAC	UKCA	Ex	IECEx	EACEx	NEPSI	Rated Output (mV/V)
200 000	2 000	20	$\leq \pm 0.10 \%$	•	•	•	•	•	•	2 $\pm 0.1\%$
300 000	3 000	42	$\leq \pm 0.10 \%$	•	•	•	•	•	•	2 $\pm 0.1\%$
500 000	5 000	60	$\leq \pm 0.10 \%$	•	•	•	•	•	•	2 $\pm 0.1\%$
750 000	7 500	60	$\leq \pm 0.10 \%$	•	•	•	•	•	•	2 $\pm 0.1\%$

ON REQUEST



TECHNICAL DATA

PRECISION

Rated Output (Cn)	2 mV/V ± 0.1 % at FS
Zero Balance	± 1 %
Combined error	$\leq \pm 0.10$ %FS
Creep	0.03 % (at 30 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

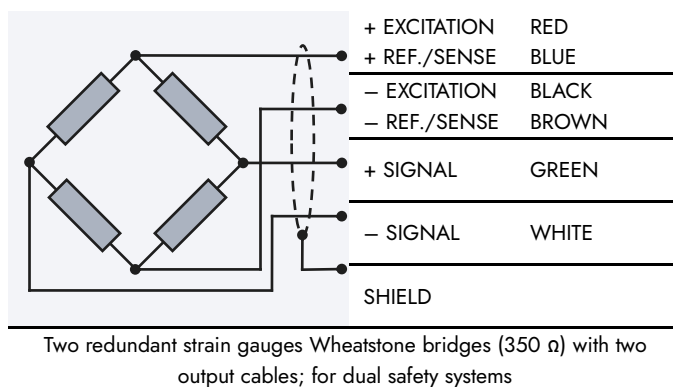
MECHANICAL PROPERTIES

Material	17-4 PH stainless steel
Deflection at FN	0.4 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	15 V
Cable diameter	5 mm
Cable cores	6 x 0.14 mm ²
Cable length	10 m

ELECTRICAL CONNECTION

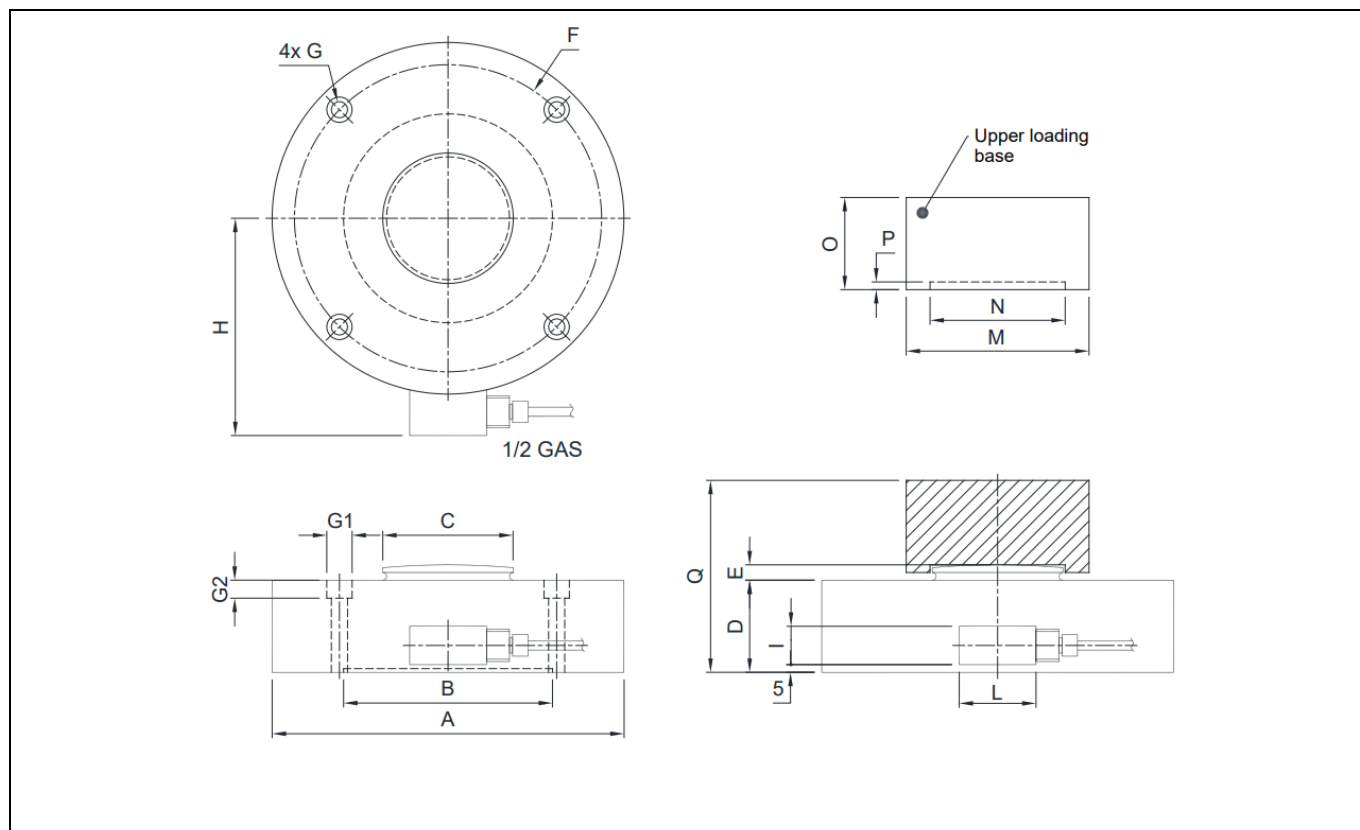


MECHANICAL LIMITS

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)



	200 000 kg	300 000 kg	500 000 · 750 000 kg
A	Ø 229	Ø 299	Ø 299
B	Ø 136.5	Ø 228	Ø 230
C	Ø 87	Ø 155	Ø 155
D	60	73	106
E	10	12	14
F	Ø 200	Ø 260	Ø 260
G	Ø 10.5	Ø 12.5	Ø 12.5
G1	Ø 16.5	Ø 18.5	Ø 18.5
G2	10.5	12.5	12.5
H	142 ±1	180 ±2	180 ±2
I	30	25	25
L	60	50	50
M	Ø 119	Ø 198	Ø 198
N	Ø 88	Ø 156	Ø 158
O	60	60	89
P	5	5	9
Q	125	140	200



COMPLEMENTARY ACCESSORIES

Upper loading base			
BOTTONE200	Ø119 mm; h=60 mm	max. 200 000 kg	
BOTTONE	Ø198 mm; h=60 mm	max. 300 000 kg	
BOTTONE750	Ø198 mm; h=89 mm	max. 500 000 – 750 000 kg	



COMPLIANCE AND CERTIFICATION

Protection Rating	IP68 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)
		Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
		Complies with Chinese market regulations for use in potentially explosive atmospheres

