



Manufactured according to OIML R60 standards

Capacity from 30000 kg to 250000 kg

- 17-4 PH STAINLESS STEEL
- HOLES FOR STANDARD SHACKLES
- COMBINED ERROR ≤ ±0.08%
- PROTECTION CLASS IP68



CAPACITY	kg	IECEx	Ex	EAC	Ex	EAC	NET WEIGHT (kg)	CODE
30000		•	•	•	•	•	-	TBT30000
40000		•	•	•	•	•	-	TBT40000
50000		•	•	•	•	•	-	TBT50000
60000		•	•	•	•	•	-	TBT60000
100000		•	•	•	•	•	-	TBT100000
250000		•	•	•	•	•	-	TBT250000

ON REQUEST

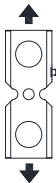
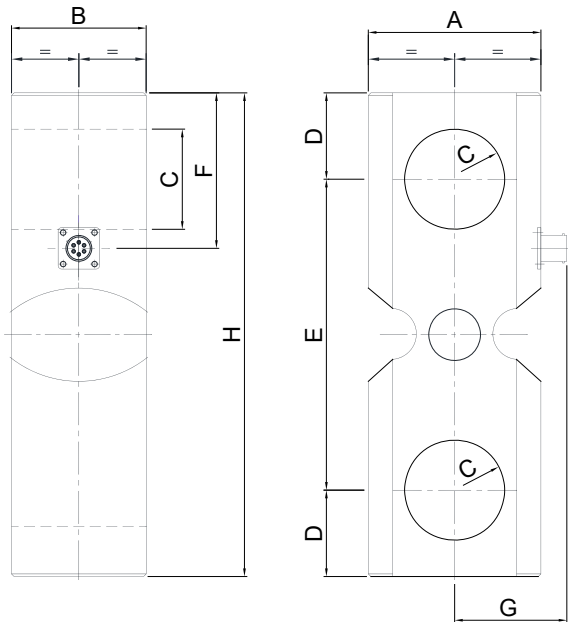
CERTIFICATIONS

EAC	Complies with the Eurasian Custom Union standards
CERTIFICATIONS ON REQUEST	
✓	Accredia traceable calibration report
Ex	ATEX II 1GD (zone 0-1-2-20-21-22)
IECEx	IECEx (zone 0-1-2-20-21-22)
EAC Ex	Complies with the Eurasian Custom Union standards for use in potentially explosive atmospheres

OPTIONS ON REQUEST

DESCRIPTION	
	Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.

DIMENSIONS (mm)



	kg 30000 kg 40000 kg 50000 kg 60000	kg 100000	kg 250000
A	100	127	240
B	78	88	110
C	Ø 58	Ø 71	Ø 102
D	50	70	120
E	180	200	360
F	90	120	185
G	65	68	136
H	280	340	600

TECHNICAL FEATURES

Material	AISI 420 stainless steel		
Nominal load (E max)	30000 - 40000 - 50000 - 60000 - 100000 - 250000 kg		
Combined error	≤ ±0.08%		
Protection class	IP68		
Rated output	1.0 mV/V ±0.1%	Input resistance	350 Ω ±20
Temperature effect on zero	0.005% °C	Output resistance	350 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 30 minutes	0.03%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	15 V	Deflection at nominal load	0.3 mm

ELECTRICAL CONNECTIONS

Cable lenght	10 m
Cable diameter	6 mm
Cores	6 x 0.14 mm²

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