Shear beam load cells **PTA**

available with certification • EAC • OIML • NTEP

General information

PWS1520240318

The PTA shear beam load cell, built in nickel-plated steel, has excellent precision, linearity and creep characteristics and has been designed for weighing tanks, hoppers, belts, platforms, single-cell systems, suspended loads and automatic packaging machines. The PTA cell is resistant to lateral loads exceeding 50% of the Rated Capacity and is supplied with a 4-conductor shielded cable 4 meters long (0.5 - 2 t) or 6 meters (3 - 5 t). **The PTA bidirectional load cell is suitable for tension and compression industrial applications.**

Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

Weight Transmitter DAT 1400

Weight Indicator MCT 1302

Mounting kits MKX ®

Tester 1008 TESTER 1008

Junction Box CGS4-C

Double Shear Beam Load Cell DDR

All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

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Industrial Electronic Weighing Systems since 1963

Technical specifications

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Rated Load (RL):	0.1, 0.25, 0.5, 1, 1.5, 2, 2.5, 3, 5 t
Combined error:	±0.023 % RO
Repeatability:	±0.01 % RO
Creep (30 minutes):	±0.02 % RO
Safe overload:	150 % RL
Ultimate overload:	300 % RL
Clamping force without any load:	M12= 75Nm; M18= 500Nm
Material:	Stainless steel
Degree of protection:	IP67
Accuracy class:	3000 OIML
Deflection:	0.2 ÷ 1.4 mm
Compensated Temperature:	-10 ÷ +40°C
Temperature range:	-35 ÷ +65°C
Temperature effect on zero balance:	±0.018 % RO/10°C
Temperature effect on output:	±0.014 % output/10°C
Rated output RO:	3.0 ± 0.003 mV/V
Zero balance:	±1 % RO
Insulation resistance:	> 5000 MOhm
Input resistance:	350 ±3.5 Ohm
Output resistance:	350 ±3.5 Ohm
Recommended input:	5 ÷ 12 Vdc/ca

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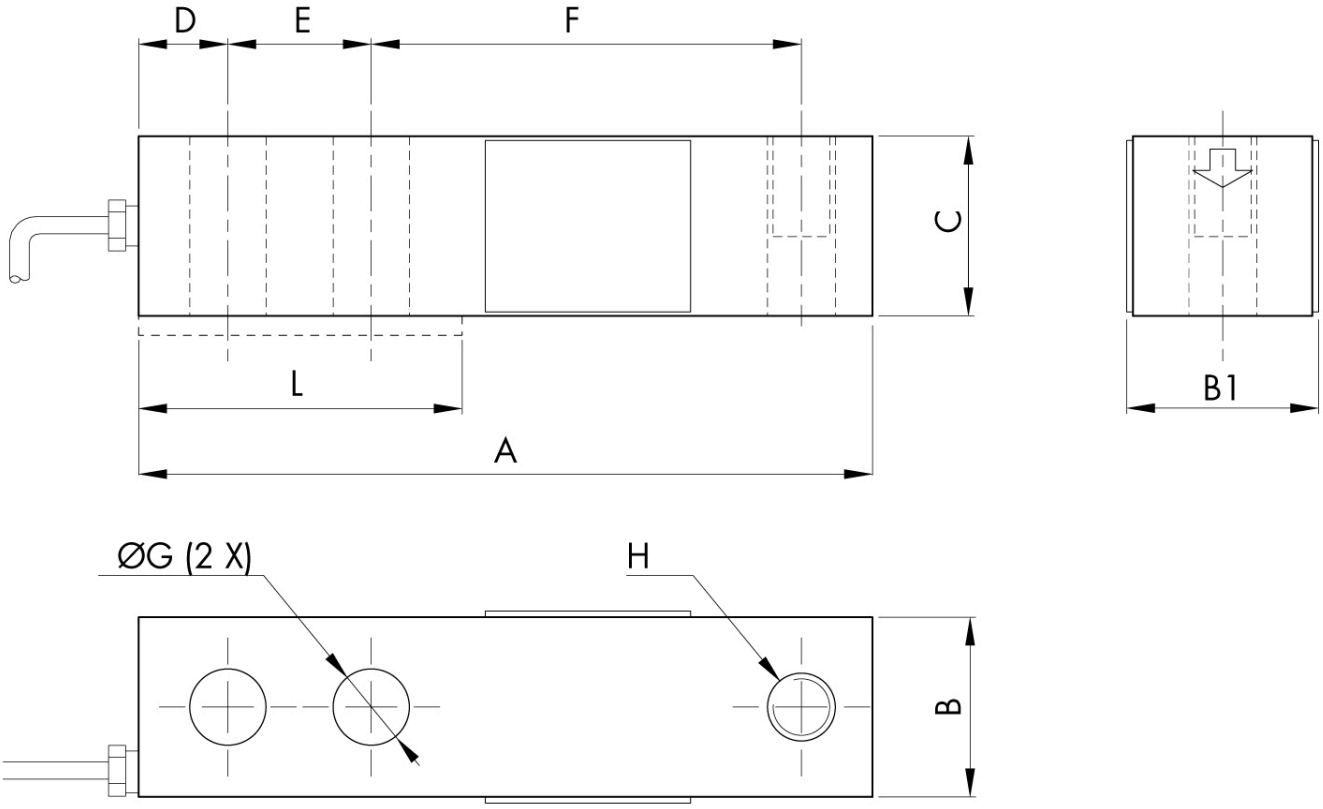

CAPACITY kg	100-2000	2500-5000
A	130	171.5
B	31.8	38.1
B1	34	40
C	31.8	38.1
D	15.8	19.1
E	25.4	38.1
F	76.2	95.3
G	13.5	20.6
H	M12x1.75	M18x1.5
L	54	77

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