

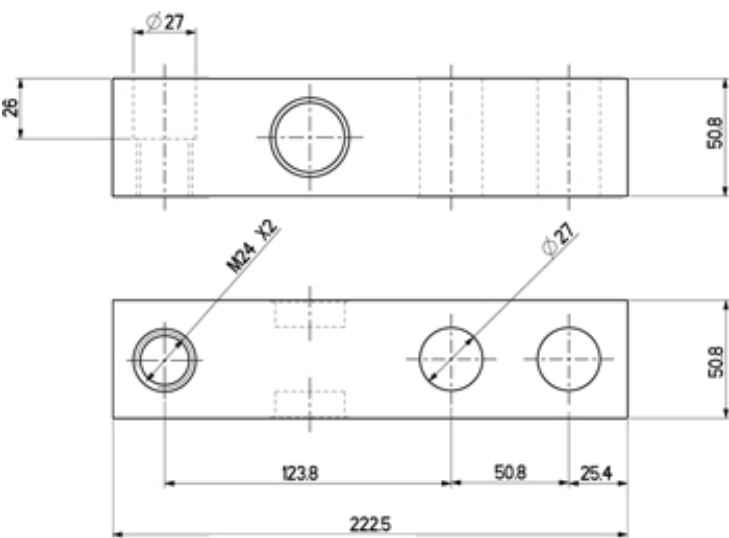
SBX-1K SERIES SHEAR BEAM LOAD CELLS, 10000kg



Stainless steel approved shear beam load cells, with capacities 10000kg, with IP68 protection. Particularly suitable for creating CE-M approved scales with 4 load cells, or for weighing tanks and hoppers, with the aid of its accessories.

DIMENSIONS - DECODING STANDARD CABLE

- NOTE: dimensions in mm



- Decoding of the standard cable colours

Colore	Funzione
--	SHIELD
GREEN	OUTPUT +
RED	INPUT +
WHITE	OUTPUT -
BLACK	INPUT -

MAIN FEATURES

- 17-4 PH STAINLESS STEEL CONSTRUCTION WITH LASER WELDING
- IP68 PROTECTION
- CAPACITIES 10000 kg
- SHIELDED CONNECTION CABLE
- TEST CERTIFICATE AVAILABLE UPON REQUEST

TECHNICAL FEATURES

- Minimum load cell verification interval $V_{min} = E_{Max} / 10.000$
- Maximum number of verification intervals $n_{LC} = 3000$
- Combined error 0,017% of Full Scale Output (F.S.)
- Full Scale Output 2mV/V +/- 0.5%
- Temperature effect on zero 0,002% / °C
- Temperature effect on full scale output 0,002% / °C
- Compensated Temperature Range -10°C/+50°C
- Operating Temperature Range -20°C/+60°C
- Creep error after 30 minutes 0,02% F.S.
- Maximum tolerated excitation voltage 15 VDC
- Input Resistance $1000 \pm 20 \text{ Ohm}$.
- Output Resistance $1000 \pm 20 \text{ Ohm}$.
- Insulation Resistance >5000 MOhm
- Safe Overload 150% F.S.
- Ultimate Overload 300% F.S.
- 4-wire shielded cable, 5m long, 5 mm diameter

EXTRAS AVAILABLE

- II 1GD ATEX Certificate for each load cell
- Declaration of ATEX conformity of the system (for the code see the pages of the atex weight indicators and MB4 atex barrier kit).

Available models

Code	Max (kg)	Masterpack 4 pcs
SBX10000-1K	10000	SBX10000-1KC

Extras available

Code	Description
CCATEX	ATEX certificate for each load cell for the following categories: II 1G Ex ia IIC T6 (Ta -20÷+40°C) TX (Ta -20÷+65°C) Ga and II 1D Ex ta IIIC TX°C (Ta -20÷+40°C) TX°C (Ta -20÷+65°C) Da IP65. Complete with manual and ATEX CE CONFORMITY DECLARATIONS (available in EN, DE, FR and IT).
DCATEXMB4	Declaration of ATEX conformity of the whole, Ex II 2GD IIC T6 T125°C X system, with relative label of whole system, for NON ATEX weight indicator connected to MB4 Dini Argeo zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option). ATEX CONFORMITY DECLARATIONS will be supplied in English.