DINI ARGEO
Scales - Weighing systems

SBX1KL3000-4500

SBX-1KL SERIES SHEAR BEAM LOAD CELLS, from 3000kg to 4500kg



Stainless steel approved shear beam load cells, 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.

CAPACITIES (kg): 3000, 4500.

17-4 PH stainless steel. IP68 protection. C3 precision class.

The best solution
for advanced industrial
applications

MAIN FEATURES

- C3 PRECISION CLASS
- 17-4 PH STAINLESS STEEL CONSTRUCTION WITH LASER WELDING
- IP68 PROTECTION
- MAX. CAPACITIES FROM 3000 TO 4500 kg
- SHIELDED CONNECTION CABLE
- TEST CERTIFICATE AVAILABLE UPON REQUEST

TECHNICAL FEATURES

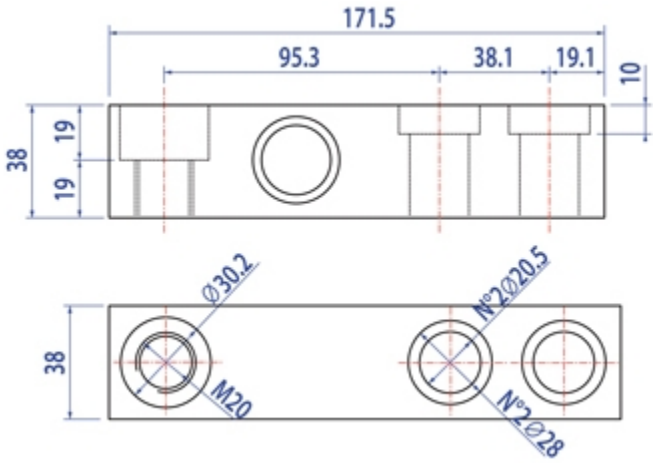
- Minimum load cell verification interval Vmin = EMax / 10.000
- Maximum number of verification intervals: nLC = 3000
- Combined error 0,017% of Full Scale Output (F.S.)
- Full Scale Output 2mV/V +/- 0.5%
- Temperature effect on zero 0,002% / °C
- Temperature effect on full scale output 0,002% / °C
- 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 1100 ± 20 Ohm
- Output Resistance 1000 ± 20 Ohm
- Insulation Resistance: >5000 MOhm
- Safe Overload 150% F.S.
- Ultimate Overload 300% F.S.
- 6-wire shielded cable, 5m long, 5 mm diameter

ATEX VERSION

- The CCATEX certificate makes the load cell suitable for use in hazardous areas with protection methods according to:
  ATEX II 1G Ex ia IIC T6 (Ta -20÷+40°C) TX (Ta -20÷+65°C) Ga
  ATEX II 1D Ex ta IIIC TX°C (Ta -20÷+40°C) TX°C (Ta -20÷+65°C) Da IP65.
  The certificate includes the manual and the ATEX CE conformity declaration (available in EN, DE, FR, and IT).
- IMPORTANT: the certificate refers to the single load cell. For systems with more load cells, it is necessary to order one certificate for each load cell.

DIMENSIONS - DECODING STANDARD CABLE

- NOTE: dimensions in mm



- Decoding of the standard cable colours

Colour	Function
--	SHIELD
YELLOW	OUTPUT +
GREY	SENSE +
BROWN	INPUT +
WHITE	OUTPUT -
GREEN	INPUT -
PINK	SENSE -

VERSIONS

Available models

Code	Max (kg)
SBX3000-1KL M	3000
SBX4500-1KL M	4500

www.diniargeo.com



DINI ARGEO FRANCE sarl
Nogent-sur-Marne
info.fr@diniargeo.com

DINI ARGEO GMBH
Sinsheim - Germany
info.de@diniargeo.com

DINI ARGEO UK Ltd
Taunton - United Kingdom
info.uk@diniargeo.com

DINI ARGEO WEIGHING INSTRUMENTS Ltd
Shanghai - China
info.cn@diniargeo.com

DINI ARGEO WEIGHBRIDGES
Calto (RO) – Italy
info@diniargeo.com

DINI ARGEO
Scales - Weighing systems

ATEX

ISO 9001:2008

HEAD OFFICE
Via Della Fisica, 20
41042 Spezzano di Fiorano Modena - Italy
Tel. +39.0536 843418 Fax. +39.0536 843521
info@diniargeo.com

SERVICE ASSISTANCE
Via Dell'Elettronica, 15
41042 Spezzano di Fiorano Modena - Italy
Tel. +39.0536 921784 Fax. +39.0536 926654
service@diniargeo.com

SALES AND TECHNICAL ASSISTANCE SERVICE