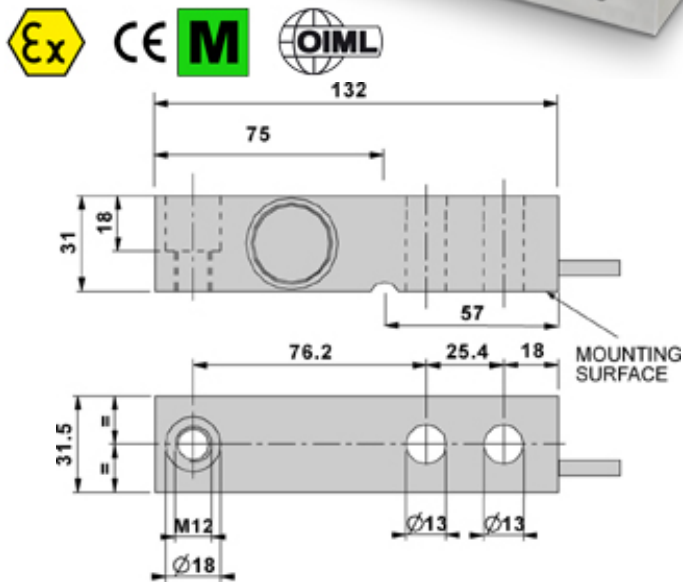


SBK SERIES IP68 STAINLESS STEEL SHEAR BEAM LOAD CELLS



Dimensions (mm)

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

Stainless steel shear beam load cells suitable for building, for example, CE-M approved scales with 4 load cells or for weighing tanks and hoppers with the relevant accessories.

MAIN FEATURES

- C3 PRECISION CLASS
- STAINLESS STEEL CONSTRUCTION
- IP68 PROTECTION
- MAX. CAPACITIES FROM 300 TO 2000 kg
- SHIELDED CONNECTION CABLE
- OIML CERTIFICATE AVAILABLE UPON REQUEST
- 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 +/- 0.1%
- Temperature effect on zero: 0,0014% /°C
- Temperature effect on full scale output: 0,0014% /°C
- Compensated Temperature Range: -10°C/+40°C
- Operating Temperature Range: -20°C/+60°C
- Creep error after 30 minutes: 0,024% F.S.
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance: $385 \pm 20 \text{ Ohm}$
- Output Resistance: $350 \pm 5 \text{ Ohm}$
- Insulation Resistance: >5000 MOhm
- Safe Overload: 150% F.S.
- Ultimate Overload: 200% F.S.
- 6-wire shielded cable, 5m long, 5 mm diameter

EXTRAS AVAILABLE (at time of order)

- OIML R60 certificate (without surcharge)
- II 1GD ATEX Certificate for each load cell (with surcharge)
- Declaration of ATEX conformity of the system (for the code see the pages of the atex weight indicators and MB4 atex barrier kit)
- Assembly kit

Models Available

Code	Max (kg)	Masterpack 4 pcs
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SBK300 	300	SBK300C
SBK500 	500	SBK500C
SBK1000 	1000	SBK1000C
SBK2000 	2000	SBK2000C

Certification

Code	Description
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.
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).

Assembly kits

Code	Description
KSB2	Kit of stainless steel plaits for assembling 1 shear beam load cells SB... series with capacity from 250 kg to 2000 kg under hoppers or tanks.