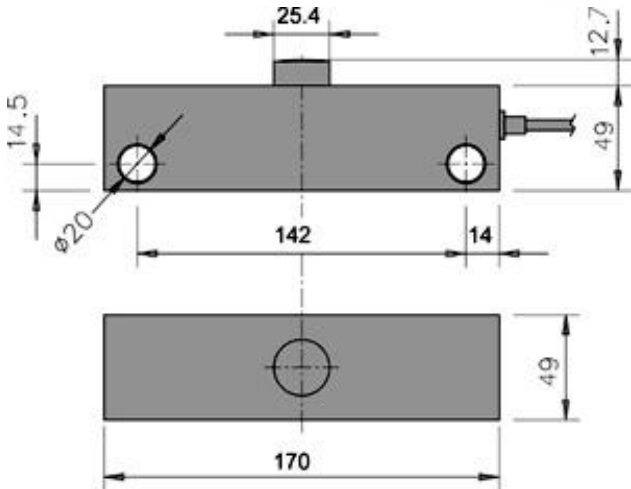


DSBI SERIES DOUBLE SHEAR BEAM STAINLESS STEEL LOAD CELLS



dimensions in mm

Wiring Code	
Colour	Function
GREEN	OUTPUT +
PURPLE	SENSE +
RED	INPUT +
WHITE	OUTPUT -
BLACK	INPUT -
GREY	SENSE -

Stainless steel double shear beam load cells suitable for building, for example, to make CE-M approved scales for high capacities or for weighing tanks and hoppers with the relevant accessories. High accuracy also with the expansion of the weighing structures.

TECHNICAL FEATURES

- C4 PRECISION CLASS
- 17-4 PH STAINLESS STEEL CONSTRUCTION
- IP68 PROTECTION
- MAX. CAPACITIES FROM 10000 TO 30000 kg
- SHIELDED CONNECTION CABLE
- TEST CERTIFICATE AVAILABLE UPON REQUEST

MAIN FEATURES

- Minimum load cell verification interval: $V_{min} = E_{Max} / 10.000$
- Combined error 0,03% of Full Scale Output (F.S.)
- Full Scale Output: 2mV/V +/- 0,1%
- Temperature effect on zero: 0,00116% /°C
- Temperature effect on full scale output: 0,00097% /°C
- Compensated Temperature Range: -10°C/+40°C
- Operating Temperature Range: -30°C/+85°C
- Creep error after 30 minutes: <0,02% F.S.
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance: $700 \pm 7 \text{ Ohm}$
- Output Resistance: $700 \pm 7 \text{ Ohm}$
- Zero Balance: +/- 1% F.S.
- Insulation Resistance: >5000 MOhm
- Safe Overload: 150% F.S.
- Ultimate Overload: 300% F.S.
- 6-wire shielded cable, 15m long

EXTRAS AVAILABLE

- Assembly kit
- 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)

Models available

Code	Max (kg)	Masterpack 4 pcs
DSBI10	10000	DSBI10C

DSBI20	20000	DSBI20C
DSBI30	30000	DSBI30C

Options to be specified at time of order

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.

Assembly kit

Code	Description
KDSBN	Kit of stainless steel plaits complete of overturn-proof screw jacks and overturn-proof safety pins, for assembling 1 DSBI load cell up to 30000kg capacity under hoppers or tanks.