DINI ARGEO
Scales - Weighing systems

RSB

RSB DOUBLE SHEAR BEAM LOAD CELLS



Double shear beam load cells particularly suitable for weighing weighbridges, dosage systems, tanks, silos, etc., complete of support and oscillating sphere joint. CE-M approved.

CAPACITIES (kg): 25000.

Nickel-plated steel. IP68 protection. C3 precision class.

The best solution
for advanced industrial
applications

MAIN FEATURES

- C3 PRECISION CLASS;
- EXECUTED IN NICKEL-PLATED STEEL WITH LASER SOLDERINGS;
- HIGH PRECISION AND LINEARITY ALSO WITH NON PERPENDICULAR LOADS;
- OPTIMISED FOR PARALLEL CONNECTION;
- IP68 PROTECTION DEGREE;
- UP TO 25000kg CAPACITY;
- SHIELDED TEFLON CONNECTION CABLE;
- TEST CERTIFICATE AVAILABLE UPON REQUEST.

TECHNICAL FEATURES

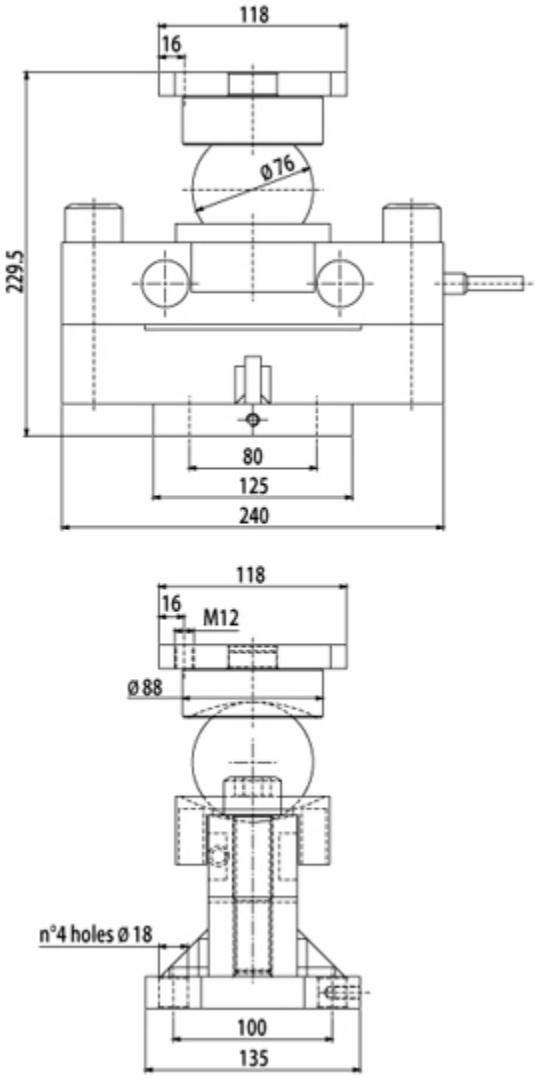
- Minimum verification interval: Vmin = EMax / 10.000;
- Maximum number of load cell divisions: nLC=3000 (C3);
- Full Scale Output: 2mV/V +/- 0,2%;
- Temperature effect on full scale output: 0,0014%FS/°C;
- Tempeature effect on the zero: +/- 0,0017%FS/°C;
- Compensated temperature range: -10°C/+40°C;
- Operating temperature range: -35°C/+65°C;
- Creep error after 30 minutes: 0,02% F.S;
- Excitation voltage: from 5 to 18 VDC;
- Input Resistance: 750 Ohm;
- Output Resistance: 700 ± 7 Ohm;
- Zero Balance: +/-1,5% F.S.;
- Insulation resistance > 5000 MOhm;
- Safe overload > 150% F.S.;
- Maximum overload 300% F.S.;
- 4-wire shielded cable, 15mm long.

Wiring Code	
Colour	*Function*
--	SHIELD
GREEN	OUTPUT +
RED	INPUT +
WHITE	OUTPUT -
BLACK	INPUT -

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.

DETAIL 1



VERSIONS

Available versions	
Code	Max (kg)
RSB25C3	25000

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