

FXC_C6

"FXC C6" SERIES: BENDING BEAM LOAD CELLS, C6 CLASS



Bending beam load cells for approved weighing, automatic systems, dosage.

CAPACITIES (kg): 20, 50, 100, 200.

OIML R60. C6 precision class.

Stainless steel. IP68 protection.

The best solution
for advanced industrial
applications

MAIN FEATURES

- C6 PRECISION CLASS
- STAINLESS STEEL
- IP68 PROTECTION
- MAX. CAPACITIES FROM 20 TO 200 kg
- SHIELDED CONNECTION CABLE
- OIML CERTIFICATE AVAILABLE UPON REQUEST
- TEST CERTIFICATE AVAILABLE UPON REQUEST

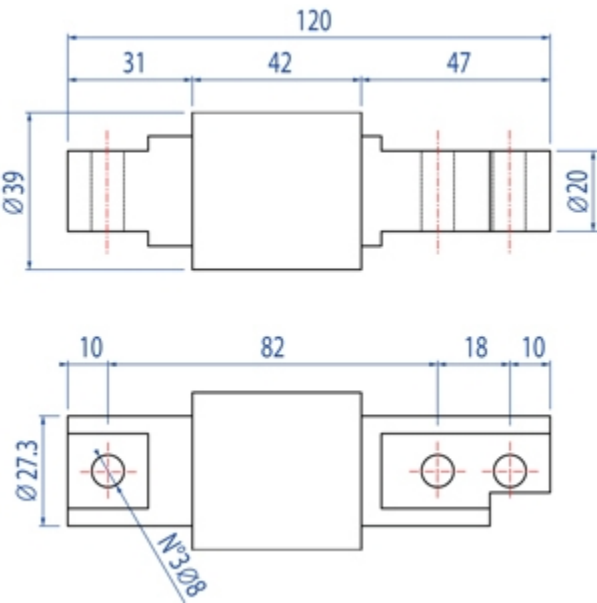
TECHNICAL FEATURES

- Minimum load cell verification interval: $V_{min} = E_{Max} / 10.000$
- Maximum number of verification intervals: $nLC = 6000$
- Full Scale Output: $2mV/V \pm 1\%$
- Combined error: 0,008% of Full Scale Output (F.S.)
- Temperature effect on zero: $\pm 0,0014\% / ^\circ C$
- Temperature effect on full scale output: $\pm 0,0007\% / ^\circ C$
- Compensated Temperature Range: $-10^\circ C / +40^\circ C$
- Operating Temperature Range: $-20^\circ C / +60^\circ C$
- Creep error after 30 minutes $\pm 0,012\%$ F.S.
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance: $385 \pm 20 \text{ Ohm}$
- Output Resistance: $350 \pm 5 \text{ Ohm}$
- Insulation Resistance: $> 5000 \text{ MOhm}$
- Safe Overload: 150% F.S.
- Ultimate Overload: 200% F.S.
- 4-wire shielded cable, 3m long, 4mm 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 $-20 \div +40^\circ C$) TX (Ta $-20 \div +65^\circ C$) Ga
ATEX II 1D Ex ta IIIC TX $^\circ C$ (Ta $-20 \div +40^\circ C$) TX $^\circ C$ (Ta $-20 \div +65^\circ C$) 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



Dimensions in mm

Wiring Code	
Color	Function
--	SHIELD
RED	INPUT +
BLACK	OUTPUT +
BLUE	OUTPUT -
WHITE	INPUT -

VERSIONS

Available versions

Codice	Max (kg)
FXC20C6-1 	20
FXC50C6-1 	50
FXC100C6-1 	100
FXC200C6-1 	200



DINI ARGEO
FRANCE sarl
France

DINI ARGEO
GMBH
Germany

DINI ARGEO
UK Ltd
United Kingdom

DINI ARGEO WEIGHING
INSTRUMENTS Ltd
China

DINI ARGEO
OCEANIA
Australia



COMPANY HEADQUARTERS

Via Della Fisica, 20
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 843418

SERVICE ASSISTANCE

Via Dell'Elettronica, 15
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 921784

SALES AND TECHNICAL ASSISTANCE SERVICE