

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

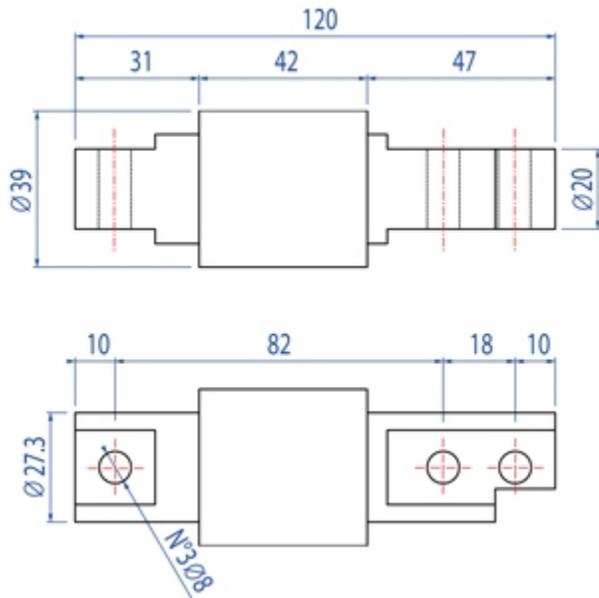
TECHNICAL FEATURES

- Minimum load cell verification interval: $V_{min} = E_{Max} / 10.000$
- Maximum number of verification intervals: $nLC = 6000$
- Full Scale Output: $2mV/V \pm 0,1\%$
- 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 ± 20 Ohm
- Output Resistance: 350 ± 5 Ohm
- Insulation Resistance: > 5000 MOhm
- Safe Overload: 150% F.S.
- Ultimate Overload: 200% F.S.
- 4-wire shielded cable, 3m long.

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 |



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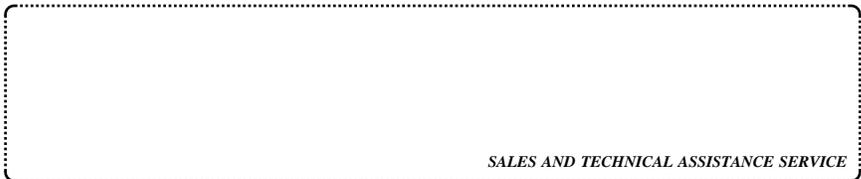


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SALES AND TECHNICAL ASSISTANCE SERVICE