

ABL-531

BELLOW TYPE BENDING BEAM LOAD CELL



DESCRIPTION

ABL-531 ADI Bellow Type Bending Beam Loadcell is a high performance force sensor designed uncompromising accuracy & reliability in most challenging industrial application.



APPLICATIONS

- Check Weighers
- Bench Scale, Floor Scale
- Batching & Packaging Machine
- Tank, Bag weighing

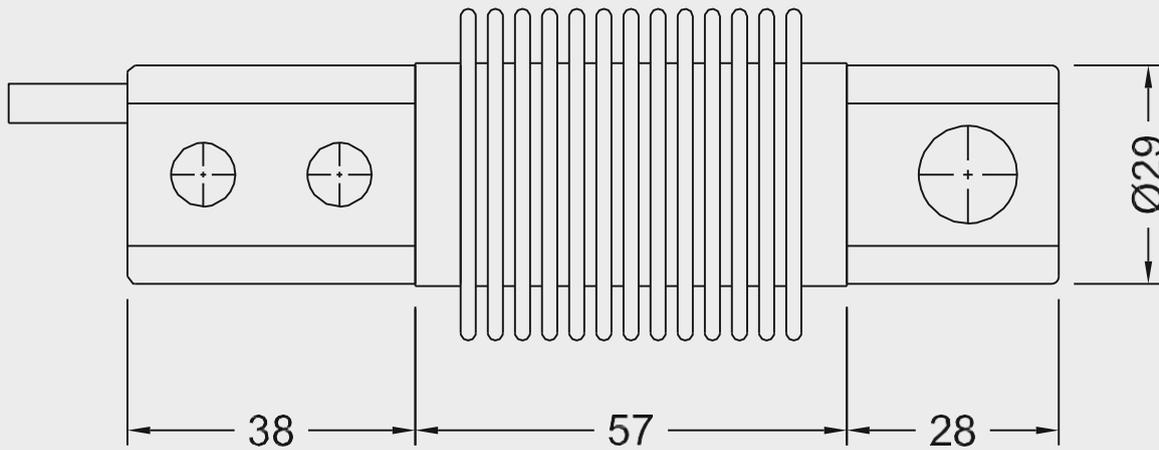
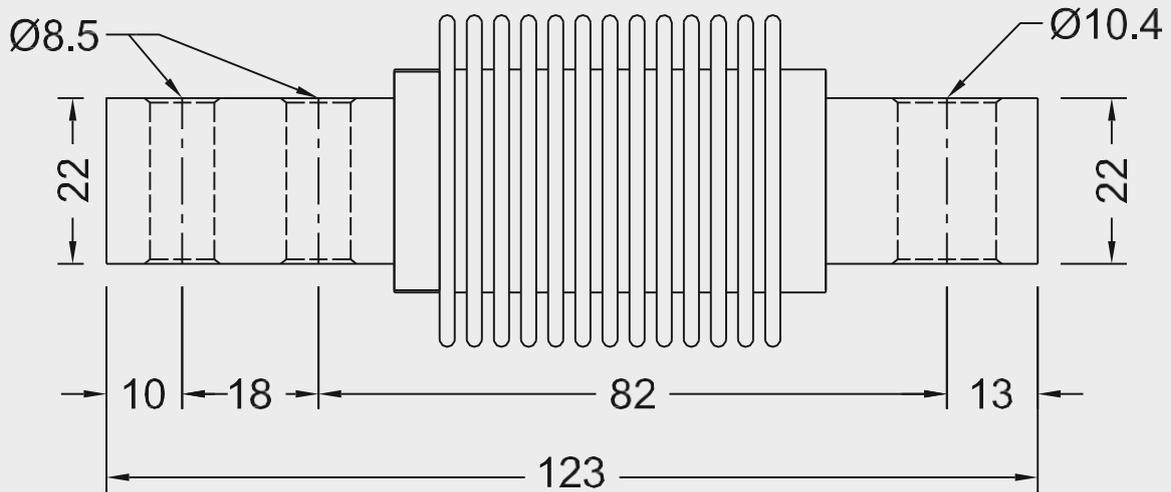


KEY FEATURES

- High Accuracy & Reliability
- Low Profile & Compact Design
- High Environmental Protection
- Stainless Steel SS17-4 PH

SPECIFICATIONS

Rated capacity (Kgf.)	: 20, 30, 50, 100, 200, 300, 500,
Excitation Voltage	: 3 VDC - 15 VDC
Rated Output	: 2.0 mV/V
Non – Linearity	: < ± 0.05 % FSO (Full scale Output)
Hysteresis	: < ± 0.02 % FSO
Non-Repeatability	: < ± 0.01 % FSO
Creep error (30 minutes)	: < ± 0.03 % FSO
Zero Load Output	: ± 1.0 % FSO
Input Resistance	: 390 ± 15 Ohms
Output Resistance	: 350 ± 5 Ohms
Insulation Resistance	: > 1000 Mega Ohms
Side Load Allowed	: 50 % of Rated Capacity
Safe Overload	: 150 % of Rated Capacity
Ultimate Overload	: 250 % of Rated Capacity
Temperature Compensated Range	: 0 to 60° C
Temperature Effect on Output	: < 0.0015 % FSO/° C
Temperature Effect on Zero	: < 0.002 % FSO/° C
Deflection	: < 0.5 mm at FSO
Tightening Torque	: 22 NM
Finish & Construction	: Stainless Steel SS17-4 PH
Cable Length	: 5 meters



Electrical Termination

