

ASB-331

SHEAR BEAM LOAD CELL



DESCRIPTION

ASB-331 is a high accuracy, low profile single ended shear beam load cell suitable for Tank & Hopper Weighing.



APPLICATIONS

- Industrial Automation
- Tank, Hopper & Silo Weighing
- Floor & Pallet Scales



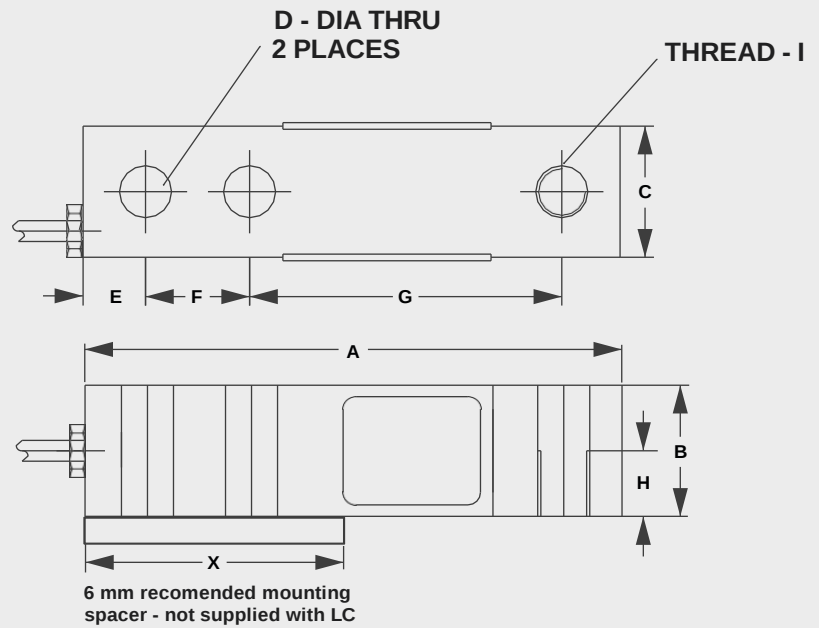
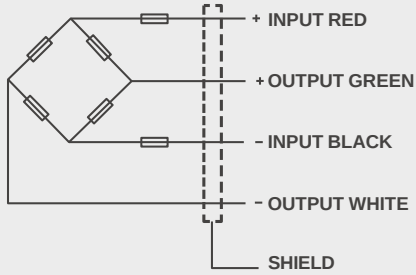
KEY FEATURES

- Wide capacity range from 50 Kgf to 10 tonf
- Alloy Tool Steel construction
- Available in Stainless steel optionally
- Optionally Available for High Temperature Application

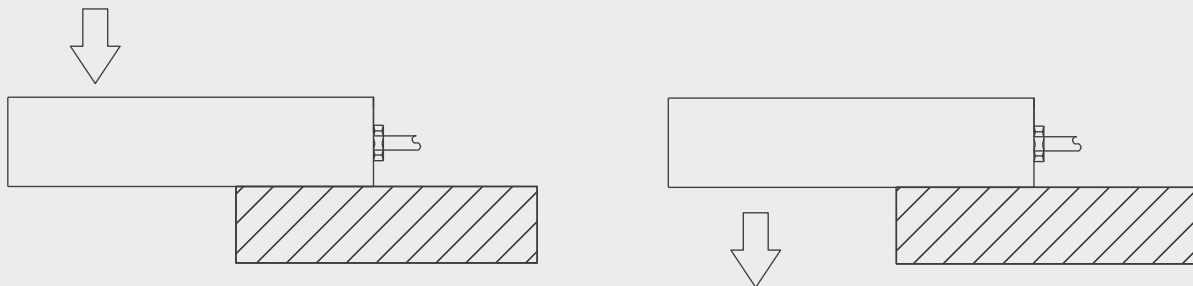
SPECIFICATIONS

Rated capacity (Kgf.)	: 50, 100, 200, 300, 500, 750
(Tonf.)	: 1, 1.5, 2, 2.5, 3, 5, 7.5, 10
Excitation Voltage	: 3 VDC - 15 VDC
Rated Output	: 2.5 mV/V (50 KG), 3.0 mV/V
Non – Linearity	: < ± 0.025 % FSO (Full scale Output)
Hysteresis	: < ± 0.02 % FSO
Non-Repeatability	: < ± 0.01 % FSO
Creep error (30 minutes)	: < ± 0.02 % 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	: Refer Table.
Finish & Construction	: Electroless Nickel Plated Tool Steel. Stainless Steel available optionally.
Environment Protection	: IP 67, IP 68 (Available on request)

Electrical Termination



LOADING DIRECTION



CAPACITY	A	B	C	D	E	F	G	H	THREAD I	X	TORQUE Kg-m	CABLE
50Kgf to 2.5Tf	130	32	32	12.7	15	25	75	16	M12 X 1.25	55	2.5	5 Mtrs.
3 Tf, 5 Tf	172	38	38	21	19	38	95	19	M20 X 1.50	76	5	5 Mtrs.
7.5Tf, 10Tf	223	50	50	25	25	50	120	25	M24 X 2.00	100	10	10 Mtrs.

Note : All Dimensions are in mm