

RSL 112

Double Ended Shear Beam Load Cell

RUDRRA SENSOR

The load cell Technology



Product Description

Rudrra Sensor bequeath featured products to their clientele and in plunge by deliver products with abreast technology and impeccable working. We give idiosyncratic attention on the individualistic progress of all necessary technology and core competencies. This objective empower us to transport at curate note and to administer distinctive key for our customers.

Rudrra Sensor is a maker of inclusive range of Dual Shear Beam Load Cell. The usage of superlative quality materials in the manufacturing of the Dual ended load cells guarantee noteworthy characteristic like it is immensely persistent and tensile strength. Furthermore, purchasers are satisfied with the opportunity to get it in multifarious specifications & affordable price.

This is an opportune fusion of two single-ended load cells into one tangible tool, giving the favor of higher loading capacity and higher resistance to off centre loads and side forces.

The dual shear beam load cells are most often applied for high capacity installations such as silos, tanks, truck scales (weighbridges), railway scales and other heavy industrial processes.

Rudrra Sensor entrenched in 2002. And We have 16 years of experience in exporting and manufacturing of load cells. These model are named RSL 112. It have 5Tf to 1 00Tf capacity, Triple sealing, Electroplex nickel plating.

Applications

- * Truck, Tank and Hopper Weighing
- * Tensile Testing
- * Weighbridge

Key Features

- * 5Tf to 1 00 Tf Capacities
- * Triple-Sealing
- * Electroless Nickel Plated

Optional :

- * Digital Load cell
- * Stainless steel structure

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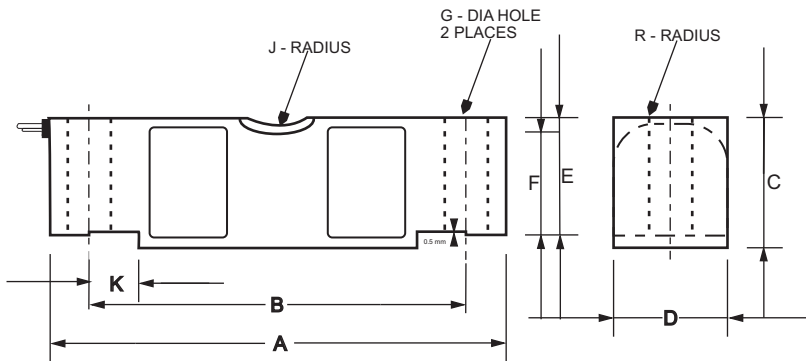
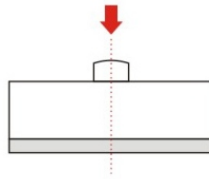
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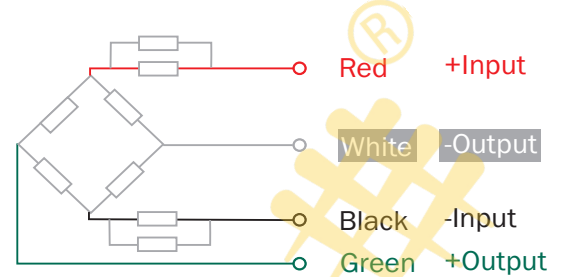
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Load Application Layout :

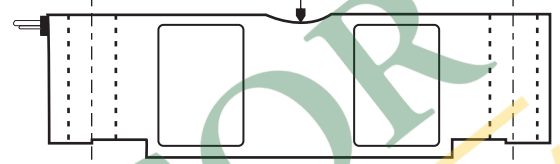
Dimensions :



Cable Connection Details :



ARROW SHOWS LOAD DIRECTION FOR +VE OUTPUT



* All dimension are in mm

CAPACITY	A	B	C	D	E	F	G	J	R	K	Cable mtrs
5 to 10 Ton	197	165	50	43	43	41	17	30	22	35	15
40 Klb	260.4	216	62	49.3	53.3	50.8	21	30	25.4	27.1	15
20 to 30 Ton / 50 Klb	261	216	75	62	67	65	25	30	35	49	15
40 to 50 Ton	288	324	98	74	87	84	41	40	45	80	15
75 to 100 Ton	490	387	133	108	104	98	41	50	60	102	15

Parameters : (Analog Load Cell)

Standard Capacities (tf.) Excitation 5 / 10 / 15 / 20 / 23 / 30 / 40 / 50 / 75 / 100			
Voltage	10 VDC - Maximum 15 VDC	Ultimate Overload	300% of Rated Capacity
Nominal Output	3.0 m V/V	Allowable Side Load	50% of Rated Capacity
Non-Linearity	$\pm 0.025\%$ FSO (Full Scale Output)	Side Load Discrimination	500:1
Hysteresis	$\pm 0.02\%$ FSO	Temperature Compensated Range	0-60°C
Non-Repeatability	$\pm 0.01\%$ FSO	Temperature Effect on Output	<0.0015% FSO/°C
Creep (30min)	700 \pm 10	Temperature Effect on Zero	<0.0020% FSO/°C
Zero Balance	710 \pm 20.0(Ω)	Deflection	<0.05 mm at FSO
Output Resistance	700 \pm 7.0(Ω)	Tightening Torque	10 m. kg.
Input Resistance	≥ 20000 Mega Ohms at 50 VDC	Construction	Electroless Nickel Plated Tool Steel
Safe Overload	150% of Rated Capacity	Environmental Protection Class	IP67

