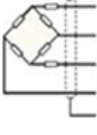


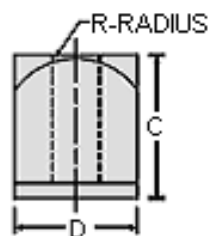
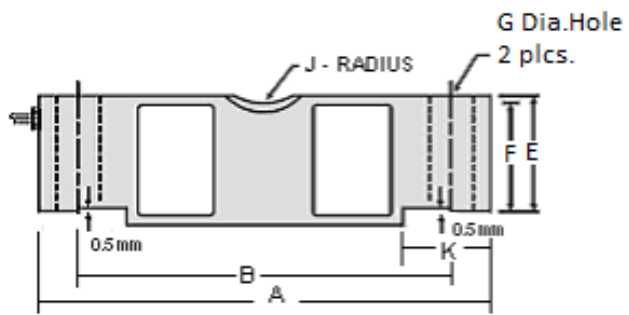
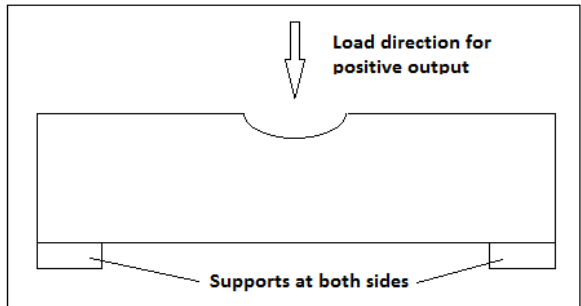
# MODEL

# 70310 – DOUBLE ENDED SHEAR BEAM LOAD CELL

### Description

**CE Certified** Model 70310 double ended shear beam load cell is ideally suited for truck, track, tank & hopper weighing applications. From its nickel exterior protection to its triple-seal gage area, this cell is designed to withstand the rigorous of harsh environmental conditions. The cell is compatible with the "Unlink" suspension system and is direct replacement for the 65058. THIS CELL IS USED WITH THE ADI ARTECH WM-V-WEIGH MOUNT – at an extra cost.

<b>Features</b>	
<ul style="list-style-type: none"> <li>❖ <b>CE Rated</b> ❖ 5 Tf to 100 Tf capacities offered</li> <li>❖ Triple-Sealing</li> <li>❖ Electroless Nickel Plated</li> </ul>	
<b>Applications</b>	
<ul style="list-style-type: none"> <li>❖ Truck, Tank &amp; Hopper weighing</li> <li>❖ Tensile Testing</li> <li>❖ Weighbridge</li> </ul>	
<b>Performance Specification</b>	
Standard Capacities	5,10,15,20,23,30,40, 50,75,100 Tf.
Excitation Voltage	10VDC-Maximum 15VDC
Nominal Output	3.0 mV/V
Non - Linearity	<±0.0025% FSO (Full Scale Output)
Hysteresis	<±0.02% FSO
Non-Repeatability	<±0.01% FSO
Creep (30 minutes)	<±0.03% FSO
Zero Balance	± 1% FSO
Input Resistance	770 ± 20.0 Ohms
Output Resistance	700 ± 2 Ohms
Insulation Resistance (50V)	>1000 Mega Ohms
Safe Overload	150% of Rated Capacity
Ultimate Overload of Rated	300% of Rated Capacity
Allowable Side Load	50% of Rated Capacity
Side Load Discrimination	500:1
Temp. Compensated Range	0-50 °C
Temperature Effect on Output	< 0.0015% FSO/°C
Temperature Effect on Zero	< 0.0020% FSO/°C
Deflection	< 0.5 mm at FSO
Material of Construction	Electroless Nickel Plated Tool Steel
Environmental Protection Class	IP 68
<b>Electrical Termination</b>	<b>Options</b>
 <ul style="list-style-type: none"> <li>+ Input - Red</li> <li>+ Output - Green</li> <li>- Input - Black</li> <li>- Output - White</li> <li>Shield - Floated</li> </ul>	<ul style="list-style-type: none"> <li>* Mounting Module WM-V</li> <li>* Compatible Instruments with Relay output, 4-20 mA or 0-2 Volt Output</li> <li>* Digital Version with RS-485 interface / USB output / Blue Tooth Telemetry / Wireless Telemetry</li> <li>* Software for Graphic, Tabulation and Reporting</li> </ul>



Capacity Tf	A	B	C	D	E	F	G	J	R	K	Cable Mtrs.
5 to 10	197	165	50	43	43	41	17	30	22	35	10
15 to 30	261	216	75	62	67	65	25	30	35	49	15
40 to 50	388	324	98	74	87	84	41	40	45	80	15
75 to 100	490	387	133	108	104	98	41	50	60	102	15

Specifications are subject to change.

All Dimensions are in mm.

	<p>Made in INDIA by:</p> <p><b>ADI ARTECH</b></p> <p><b>TRANSDUCERS PVT. LTD.</b></p> <p>(An ISO 9001:2015 Certified Company)</p>	<p>917/1, G.I.D.C. Estate, Makarpura, Vadodara - 390 010, Gujarat, INDIA</p> <p><b>Mobile</b> : +91-9374068998, 9879444551, 9054467370</p> <p><b>Email</b> : sales@adiartech.com, adiartech@adiartech.com</p> <p><b>Website</b> : www.adiartech.com</p>
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