

**Description**

70510 Pin Load cells are used where pins or large bolts would generally be carrying the load. Typically this will include shackle pin, clevis pins & pulley shafts. This is constructed from heat treated stainless steel, suitable for food industries & harsh corrosive environment. Load pin is provided with slot for keeper plate for load directions, anti rotations & retaining purposes.

**Features**

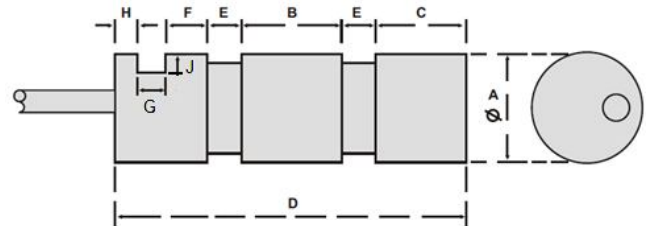
- ❖ Available in capacity of 0.5 to 400 Tf, higher capacity available on request.
- ❖ Standard output 1.0mV/V
- ❖ Meets complete environment protection IP 65 class.
- ❖ Optional IP 67 available on request.

**Applications**

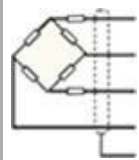
- ❖ Elevator, Hoist & Crane Load monitor
- ❖ Rope/Cable tension measurement by inserting as D-Shackle pin
- ❖ Tow bar Connection
- ❖ Front end Loader
- ❖ Rail road coupling
- ❖ Process & Automation

**Performance Specification**

Standard Capacity	Tf	0.5,1,2,3,5,10,20,30,50,,75,100,150,200,300,400
Excitation Voltage		10 VDC- Maximum 15 VDC
Nominal Output		1.0 m V/ V
Non - Linearity		< ±0.5% FSO (Full Scale Output)
Hysteresis		< ±0.3% FSO
Non-Repeatability		< ±0.2% FSO
Creep (30 minutes)		< ±0.10% FSO
Zero Balance		±1.0% FSO
Input Resistance		770 ± 20 Ohms
Output Resistance		700 ± 5 Ohms
Insulation Resistance (50 VDC)		> 1000 Mega Ohms
Cable Length (4 Core Screened)		5 Meters
Safe Overload of Rated Capacity		100%
Ultimate Overload of Rated Capacity		200%
Temp. Compensated Range		0-60 °C
Temperature Effect on Output		< 0.005% FSO/ °C
Temperature Effect on Zero		< 0.005% FSO/ °C
Deflection		< 0.4 mm at FSO
Finish & Construction		Stainless Steel 17 – 4 PH
Environmental Protection Class		Meets IP 65



**Electrical Termination**



<b>+Input</b>	Red
<b>+Output</b>	Green
<b>-Input</b>	Black
<b>-Output</b>	White
<b>Shield</b>	

Capacity Tf	A	B	C	D	E	F	G	H	J
0.5,1,2	25	23	21	81	8	9.5	6.5	5	4.5
3,5	35	37	26.5	110	10	13	6.5	7	6
10	50	52	38.5	157	14	20	8.5	10	7
20	65	72	42	192	18	23.5	8.5	10	9.5
30	75	82	53.5	225	18	31	10.5	12	10.5
50	85	97	61.5	260	20	39	10.5	12	12
75,100	100	102.5	78	328	35	55	10.5	12	14
150, 200	120	144	95	429	40	75	15	20	15
300	150	168	120	521	45	98	20	25	17.5
400	177	160	160	615	50	140	25	30	20

All Dimensions are in mm



**SEEGATE CORPORATION**

Swastik House , Building No.382 , 3rd Floor,  
Room No.7 , Near Lamington Road Police  
Station , Grant Road (E) . Mumbai -400007.

Tel - 022-40044443 Mobile - 7021525891 , 797338650

Email -sales@seegatecorp.com. Website - www.seegateloadcell.com

