

## Cylindrical Double Ended Shear Beam



### FEATURES

- Capacities 5K-150Klb
- Center-loaded double-ended shear beam design
- Free of horizontal movement
- Insensitive to side load
- Electroless nickel plated alloy tool steel
- NTEP Class III L 10000 approval from 20Klb to 200Klb

### OPTIONAL FEATURE

- FM approval available

### DESCRIPTION

The double-ended mounting provides good restraint for possible movement of tanks and, in many cases, eliminates the need for check rods. The Shear Beam design gives excellent performance for high capacity loading

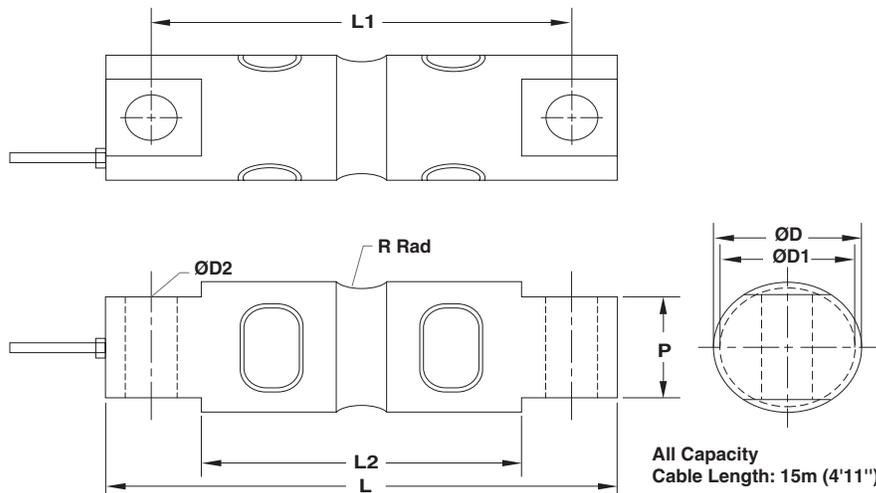
The cylindrical construction provides easy installation with simple loading features.

CSB is constructed of alloy steel and is fully potted with special chemical compounds to IP67 providing excellent protection against moisture and humidity.

### APPLICATIONS

- Truck/rail scales
- Silo/hopper/tank weighing
- Fork-lift scales

### OUTLINE DIMENSIONS



CAPACITY		L	L1	L2	D	D1	D2	P	R
5K/10Klb	mm	206.3	174.8	133.1	43.2	37.7	16.8	28.5	12.7
	(inch)	8.12	6.88	5.24	1.70	1.48	0.66	1.12	0.50
20Klb	mm	206.3	174.8	133.1	49.5	37.9	16.8	28.5	12.7
	(inch)	8.12	6.88	5.24	1.95	1.49	0.66	1.12	0.50
30K/40K/50K/60Klb	mm	260.4	215.9	164.8	76.2	69.4	26.9	60.2	25.4
	(inch)	10.25	8.50	6.49	3.20	2.73	1.06	2.37	1.00
100Klb	mm	285.8	241.3	190.2	88.9	82.3	26.9	63.5	25.4
	(inch)	11.25	9.50	7.49	3.5	3.24	1.06	2.50	1.00
150Klb	mm	285.8	241.3	190.2	99.1	92.5	26.9	71.1	38.1
	(inch)	11.25	9.50	7.49	3.90	3.64	1.06	2.80	1.50

## SPECIFICATIONS

PARAMETER	VALUE		UNIT
	NTEP IIII	Non-Approved	
NTEP/OIML Accuracy class			
Maximum no. of intervals (n)	10000 multiple*		
$Y = E_{max}/V_{min}$	14000	5000	Maximum available
Standard capacities ( $E_{max}$ )	5K, 10K, 20K, 30K, 40K, 50K, 60K, 100K, 150K		lbs
Rated output-R.O.	3.0		mV/V
Rated output tolerance	0.25		±% of rated output
Zero balance	1		±% of rated output
Non linearity	0.025		±% of rated output
Hysteresis	0.025		±% of rated output
Non-repeatability	0.02		±% of rated output
Creep error (20 minutes)	0.030		±% of rated output
Zero return (20 minutes)	0.030		±% of rated output
Temperature effect on min. dead load output	0.0010	0.0026	±% of rated output/°C
Temperature effect on sensitivity	0.0010	0.0015	±% of applied load/°C
Compensated temperature range	-10 to +40		°C
Operating temperature range	-20 to +60		°C
Safe overload	150		% of R.C.
Ultimate overload	300		% of R.C.
Excitation, recommended	10		Vdc or Vac rms
Excitation, maximum	15		Vdc or Vac rms
Input impedance	770±10		Ohms
Output impedance	700±5		Ohms
Insulation resistance	>5000		Mega-Ohms
Construction	Nickel plated alloy steel		
Environmental protection	IP67		

\* Capacities 20K-150Klb only

All specifications listed subject to change without notice.

FM Approval

Intrinsically Safe: Class I, II, III; Div. 1 Groups A-G

Non-Incendive: Class I; Div. 2 Groups A-D

## Disclaimer

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