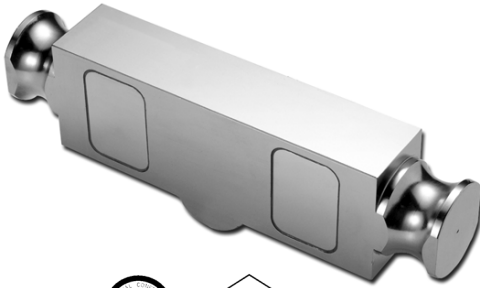


## Double-Ended Link Shear Beam



### FEATURES

- Capacities 25K-125Klb
- Center-mounted with double-linked shear beam design
- Free of horizontal movement
- Insensitive to side load
- Electroless nickel plated alloy tool steel
- NTEP Class III L 10000 for whole series
- Surge protection optional for 60Klb

### OPTIONAL FEATURE

- FM approval available

### DESCRIPTION

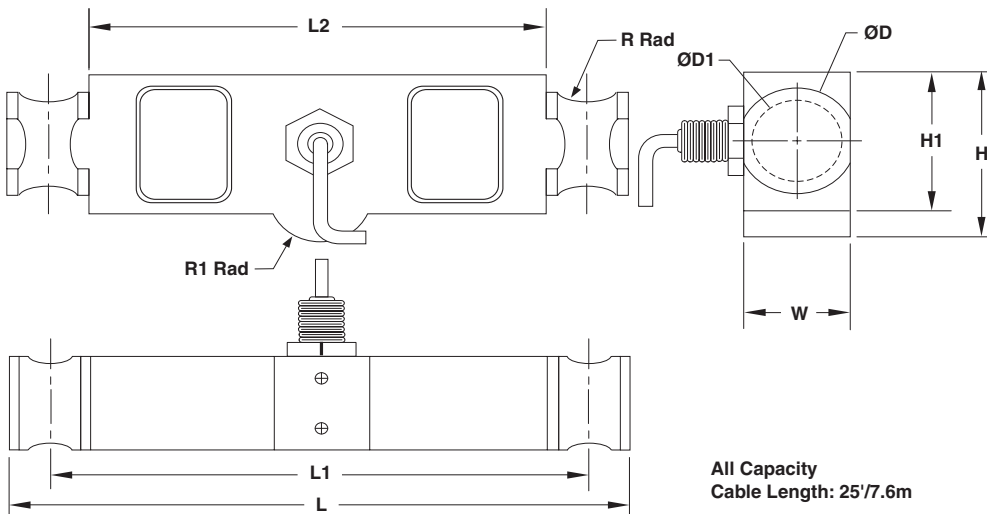
DLB is designed to be center-mounted with double-linked loading. This design provides free movement in all horizontal directions virtually eliminating binding or friction points. The Shear Beam design gives excellent performance for high capacity loading

DLB is constructed of alloy steel and fully potted sealed 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	W	H	H1	D	D1	R	R1
25K/ 40Klb	mm	209.6	184.2	158.8	49.3	75.5	62.0	50.8	41.4	12.7	12.7
	(inch)	8.25	7.25	6.25	1.94	2.97	2.44	2.00	1.63	0.50	0.50
50K/ 60K/ 75Klb	mm	292.1	254.0	215.9	49.3	88.2	74.7	55.9	43.2	19.1	25.4
	(inch)	11.50	10.00	8.50	1.94	3.47	2.94	2.20	1.70	0.75	1.00
100K/ 125Klb	mm	368.3	317.5	266.7	73.7	118.9	98.0	81.3	62.0	25.4	38.1
	(inch)	14.50	12.50	10.5	2.90	4.68	3.86	3.20	2.44	1.00	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 ( $E_{max}$ )	25K, 40K, 50K, 60K, 75K, 100K, 125K		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		

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

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