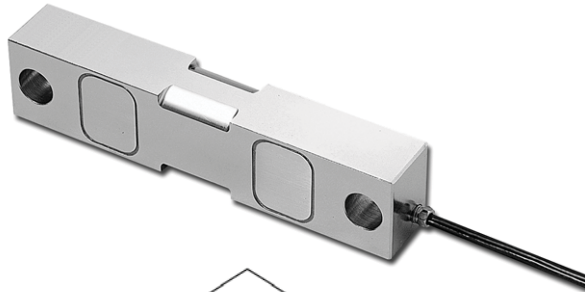


Double Ended Shear Beam



FEATURES

- Capacities 1K-75Klb
- Double-ended center-load shear beam design
- Rationalized outputs
- Free of horizontal movement
- Insensitive to side load
- Electroless nickel plated alloy tool steel

OPTIONAL FEATURES

- Hermetically sealed available
- Stainless steel available
- FM approval available

DESCRIPTION

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

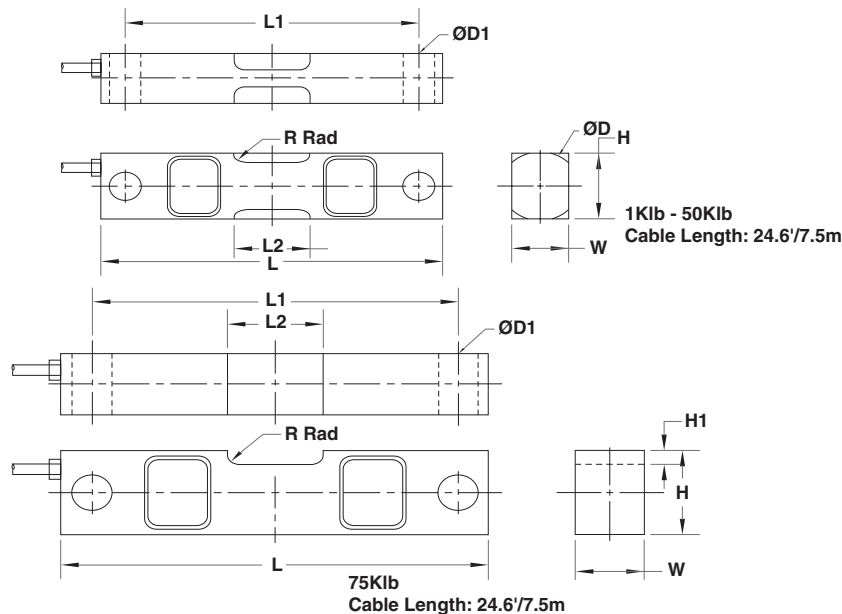
The output is rationalized to facilitate multi-cell application.

DSR is constructed of alloy tool steel and is potted to IP67 providing excellent protection against moisture and humidity.

APPLICATIONS

- Silo / hopper / tank weighing

OUTLINE DIMENSIONS



Wiring diagram

- + Excitation Red
- Excitation Black
- + Signal Green
- Signal White

CAPACITY		L	L1	L2	W	H	H1	D	D1	R
1K/ 1.5K/ 2K/ 2.5K/ 3K/ 5Klb	mm	190.5	158.8	35.4	31.7	31.7	-	31.7	12.7	5.0
	(inch)	7.50	6.25	1.39	1.25	1.25	-	1.25	0.50	0.20
10K/ 15K/ 20K/ 25Klb	mm	222.3	190.5	50.0	36.6	49.3	-	50.8	20.6	5.0
	(inch)	8.75	7.50	1.97	1.44	1.94	-	2.00	0.81	0.20
50K/ 75Klb	mm	342.9	292.1	82.6	62.0	74.7	4.6	76.2	33.3	5.0
	(inch)	13.50	11.50	3.25	2.44	2.94	0.18	3.00	1.31	0.20



SPECIFICATIONS

PARAMETER	VALUE	UNIT
NTEP/OIML Accuracy class	Non-Approved	
$Y = E_{max}/V_{min}$	5000	Maximum available
Standard capacities (E_{max})	1K, 1.5K, 2K, 3K, 5K, 10K, 15K, 20K, 25K, 50K, 75K	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	0.030 (SS: 0.07%)	±% of rated output
Hysteresis	0.030 (SS: 0.07%)	±% 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	0.0026	±% of rated output/°C
Temperature effect on sensitivity	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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