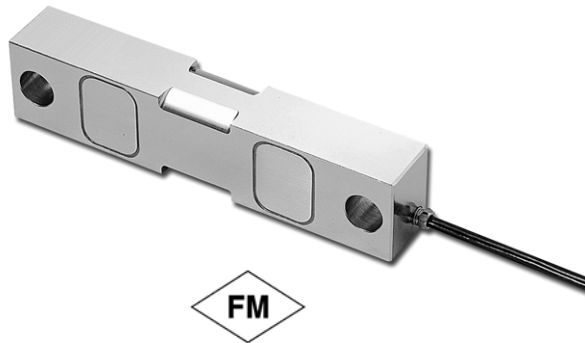


## Double Ended Shear Beam



### 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.

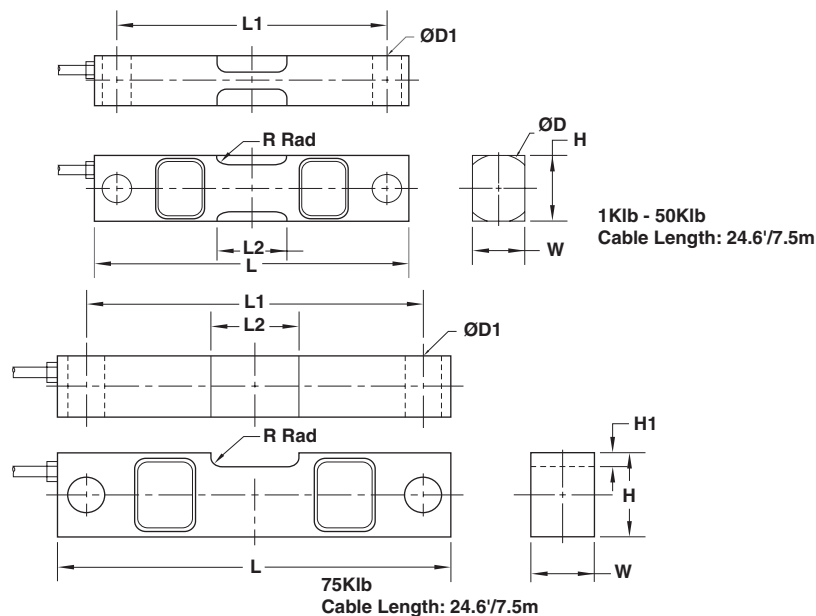
The output is rationalized to facilitate multiple-cell application.

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

## Disclaimer

All product specifications and data are subject to change without notice.

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