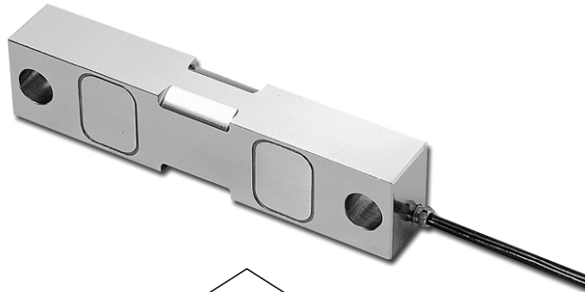


## Double Ended Shear Beam



### 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.

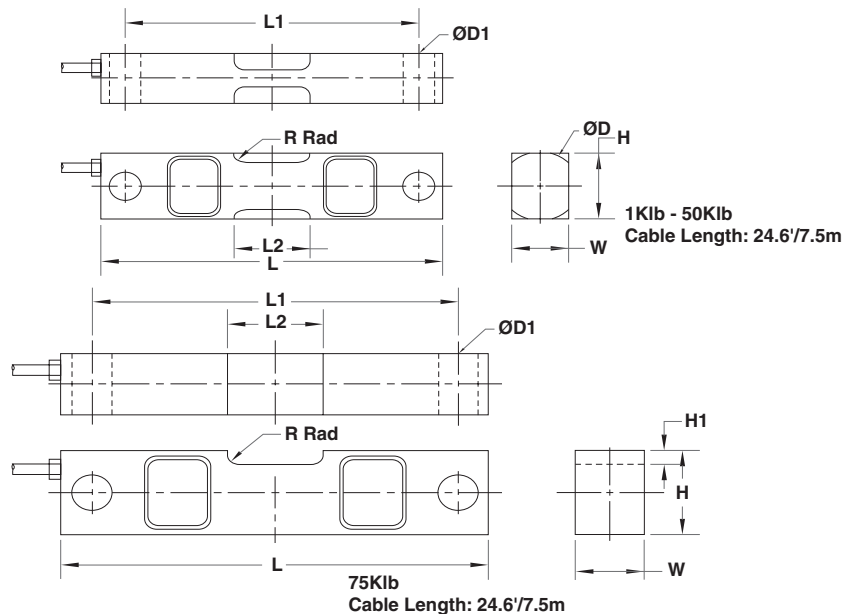
The output is rationalized to facilitate multiple-cell application.

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

## VISHAY TRANSDUCERS (VT) SALES OFFICES

**VT Americas**  
 City of Industry, CA  
 PH: +1-626-858-8899  
 FAX: +1-626-332-3418  
 vt.us@vishaymg.com

**VT Netherlands**  
 Breda  
 PH: +31-76-548-0700  
 FAX: +31-76-541-2854  
 vt.nl@vishaymg.com

**VMG UK**  
 Basingstoke  
 PH: +44-125-646-2131  
 FAX: +44-125-647-1441  
 vt.uk@vishaymg.com

**VMG Israel**  
 Netanya  
 PH: +972-9-863-8888  
 FAX: +972-9-863-8800  
 vt.il@vishaymg.com

**VMG Germany**  
 Heilbronn  
 PH: +49-7131-3901-260  
 FAX: +49-7131-3901-2666  
 vt.de@vishaymg.com

**VT China**  
 Tianjin  
 PH: +86-22-2835-3503  
 FAX: +86-22-2835-7261  
 vt.prc@vishaymg.com

**VMG France**  
 Chartres  
 PH: +33-2-37-33-31-20  
 FAX: +33-2-37-33-31-29  
 vt.fr@vishaymg.com

**VT Taiwan\***  
 Taipei  
 PH: +886-2-2696-0168  
 FAX: +886-2-2696-4965  
 vt.roc@vishaymg.com  
 \*Asia except China



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