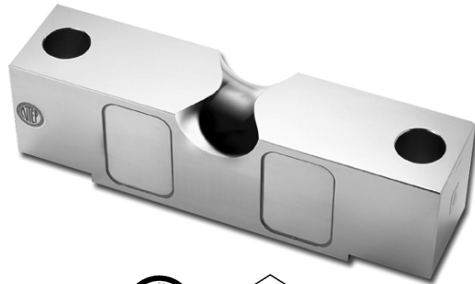


Double Ended Shear Beam



FEATURES

- Capacities 20K-125Klb
- Free of horizontal movement
- Insensitive to side load
- Electroless nickel plated alloy tool steel
- NTEP Class IIIL 10000 approval from 20Klb to 125Klb

OPTIONAL FEATURE

- FM approval available

DESCRIPTION

The double-ended mounting provides good restraint for 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

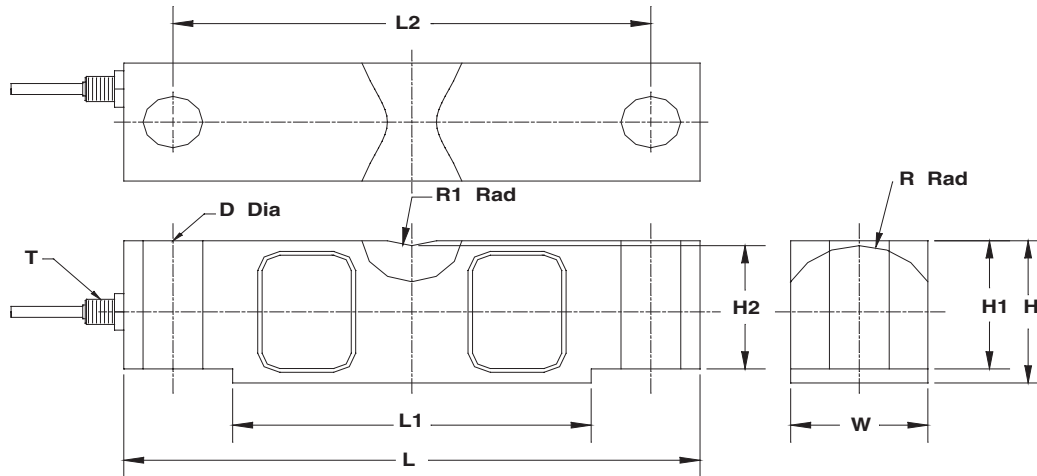
CLB is constructed of alloy steel and is fully potted with special chemical compounds to

IP67 providing excellent protection against moisture and humidity.

APPLICATIONS

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

OUTLINE DIMENSIONS



All Capacity
Cable Length: 25/7.6m

Wiring diagram

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

CAPACITY		L	L1	L2	W	H	H1	H2	D	R	R1	T
20K/ 25Klb	mm	196.9	126.7	165.1	42.9	49.3	43.2	41.4	17.3	22.9	19.1	1/4-18NPT
	(inch)	7.75	4.99	6.50	1.69	1.94	1.70	1.63	0.68	0.90	0.75	
40Klb	mm	260.4	162.3	215.9	49.3	62.0	53.3	50.8	20.6	28.5	25.4	1/4-18NPT
	(inch)	10.25	6.39	8.50	1.94	2.44	2.10	2.00	0.81	1.12	1.00	
50K/ 60K/ 75Klb	mm	260.4	162.3	215.9	62.0	74.7	67.3	64.5	26.9	34.8	25.4	1/2-14NPT
	(inch)	10.25	6.39	8.50	2.44	2.94	2.65	2.54	1.06	1.37	1.00	
100K/ 125Klb	mm	387.4	228.4	323.9	73.7	98.0	87.1	83.8	41.2	45.7	38.1	1/2-14NPT
	(inch)	15.25	8.99	12.75	2.90	3.86	2.43	3.30	1.62	1.80	1.50	

**SPECIFICATIONS**

PARAMETER	VALUE		UNIT
	NTEP IIII	Non-Approved	
NTEP/OIML Accuracy class			
Maximum no. of intervals (n)	10000 multiple	1000	
$Y = E_{max}/V_{min}$	14000	5000	Maximum available
Standard capacities (E_{max})	20K, 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

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



Notice

Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.