

Shear Beam Load Cell

FEATURES

- Rated capacities of 250 to 20,000 pounds, 125 to 10,000 kg
- "Thru" or "threaded" load hole configurations
- Low sensitivity to axial loads
- Low profile (ultra low available in 1000 to 2500 pound ranges)
- Sensorgage™ sealed to IP67 standards
- Factory Mutual System Approved for Classes I, II, III; Divisions 1 and 2; Groups A through G. Also, non-incendive ratings (No barriers!).
- Trade certified for NTEP Class III: 5000d, III: 10000d and OIML R-60 3000d available
- **Optional**
 - Stainless steel versions available
 - 65059 TWA companion weighing assemblies available



APPLICATIONS

- Floor scales
- Tank weighing
- Bin and hopper weighing

It has high immunity to shock or side loading and is available in 2 or 3 mV/V sensitivity. Approved to OIML, NTEP standards. For hazardous environments this load cell is available with EEx ia IIC T6 level of European approval.

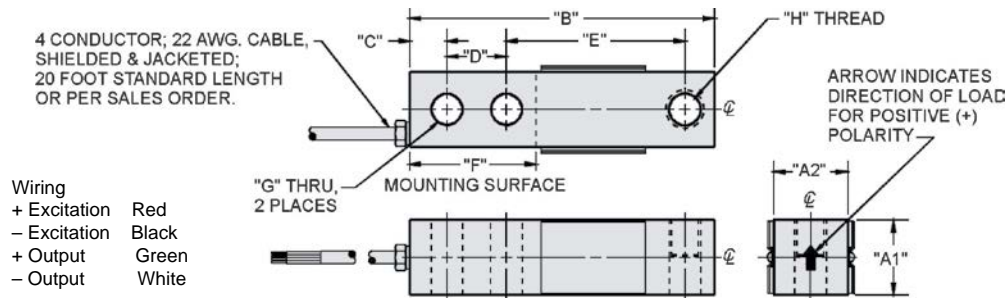
Nickel plating and full environmental sealing assures long-term reliability. A stainless steel option is available for the lb versions for use in harsh or corrosive environments.

DESCRIPTION

Model 65023 is a low profile shear beam load cell designed for high accuracy platform scales, pallet scales and process weighing applications.

The two additional sense wires feed back the voltage reaching the load cell. Complete compensation of changes in lead resistance due to temperature change and/or cable extension is achieved by feeding this voltage into the appropriate electronics.

OUTLINE DIMENSIONS in inches [millimeters]



CAPACITY	A1	A2	B	C	D	E	F	G	H	DEFLECTION	WEIGHT
250-500 lbs	1.00	1.25	5.12	0.62	1.00	3.00	2.25	0.53	1/2-20 UNF-2B, Ø0.53 x 0.50 DP C'BORE	0.013	1.7
1-4k	1.25	1.25	5.12	0.62	1.00	3.00	2.25	0.53	1/2-20 UNF-2B, Ø0.53 x 0.62 DP C'BORE	0.017-0.025	4.0
5k-10k	1.50	1.50	6.75	0.75	1.50	3.75	3.00	0.78	3/4-16 UNF-2B, Ø0.78 x 0.75 DP C'BORE	0.025-0.035	6.5
15k-20k	2.00	2.00	8.88	1.00	2.00	4.88	4.00	1.03	1"-14 UNF-2B, Ø1.03 x 1.00 DP C'BORE	0.048-0.063	9.0
[125-250 kg]	[25.0]	[31.0]	[130.0]	[16.0]	[25.0]	[76.0]	[57.0]	[13.0]	M12 x 1.75-6H, Ø13 x 15 DP C'BORE	[0.33]	[0.8]
[500-2T]	[32.0]	[32.0]	[130.0]	[16.0]	[25.0]	[76.0]	[57.0]	[13.0]	M12 x 1.75-6H, Ø13 x 15 DP C'BORE	[0.432-0.635]	[1.8]
[3T-5T]	[38.0]	[38.0]	[171.0]	[19.0]	[38.0]	[95.0]	[76.0]	[20.7]	M20 x 2.5-6H, Ø20.5 x 19 DP C'BORE	[0.635-0.889]	[2.9]
[10T]	[51.0]	[51.0]	[226.0]	[25.0]	[51.0]	[124.0]	[102.0]	[25.0]	M24 x 2-6H, Ø25.4 x 25 DP C'BORE	[1.219-1.600]	[4.1]

Capacities are in pounds [kg/T]. Deflection is ±10%. Certified drawings are available.

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