

Cylindrical Double-Ended Shear Beam

Applications

- Hopper, silo and vessel weighing
- Track and truck scales

Features

- Center-loaded double-ended shear beam design
- Free of horizontal movement, insensitive to side load
- Electroless nickel plated alloy steel construction
- NTEP 10,000 Class IIIIL from 20K lb to 200K lb.

Description

- The double-ended mounting provides good restraint for possible movement of the tanks and, in many cases, with elimination of check rods. The Shear Beam design gives excellent performance for high capacity loading.
- The cylindrical construction provides easy installation for simple loading features.
- CSB is constructed of alloy steel and is fully potted and sealed with special chemical compounds to IP65 to protect the cell from water and moisture attack.

Specifications

Standard Capacity	5K, 10K, 20K, 30K, 40K, 50K, 60K, 100K, 150K lb		
Recommended Excitation	10 V AC/DC	Compensated Temp. Range	-10°C to +40°C
Maximum Excitation	15 V AC/DC	Operating Temp. Range	-20°C to +60°C
Output at Rated Load	3 mV/V±0.25%	Zero Balance	±1%
Combined Error	0.025%	Input Resistance	770±10Ω
Non Repeatability	0.02%	Output Resistance	700± 5Ω
Creep (20 minutes)	0.03%	Insulation Resistance(50VDC)	>5000 MΩ
Zero Return (20 minutes)	0.03%	Deflection at Rated Load	<0.5mm
Temp. Effect/10°C on Span	0.015%	Safe Overload	150%
Temp. Effect/10°C on Zero	0.026%	Ultimate Overload	300%

All Specifications Listed Subject To Change Without Notice