

# Double Ended Shear Beam

## Applications

- Tank, silo and hopper weighing
- Truck and track scales
- Batching system

## Features

- Center-loaded double-ended shear beam design
- Free of horizontal movement, insensitive to side load
- Electroless nickel plated high alloy tool steel
- NTEP Class III L 10,000 available from 20K lb to 125K lb

## Description

- The double-ended mounting provides good restraint for possible movement of 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 IP65 to protect the cell from water and moisture attack.
- CLB Interchangeable products:
  - Rice Lake Weighing Systems RL 75058
  - Sensortronics 65068

## Specifications

Standard Capacity	20K, 25K, 40K, 50K, 60K, 75K, 100K, 125K 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**