Single-Ended Bending Beam

FEATURES

- Standard capacity: 6150 kg
  - Other capacities are available upon request
- Coated alloy steel construction
- EDOC (Electrodeposited organic coating)

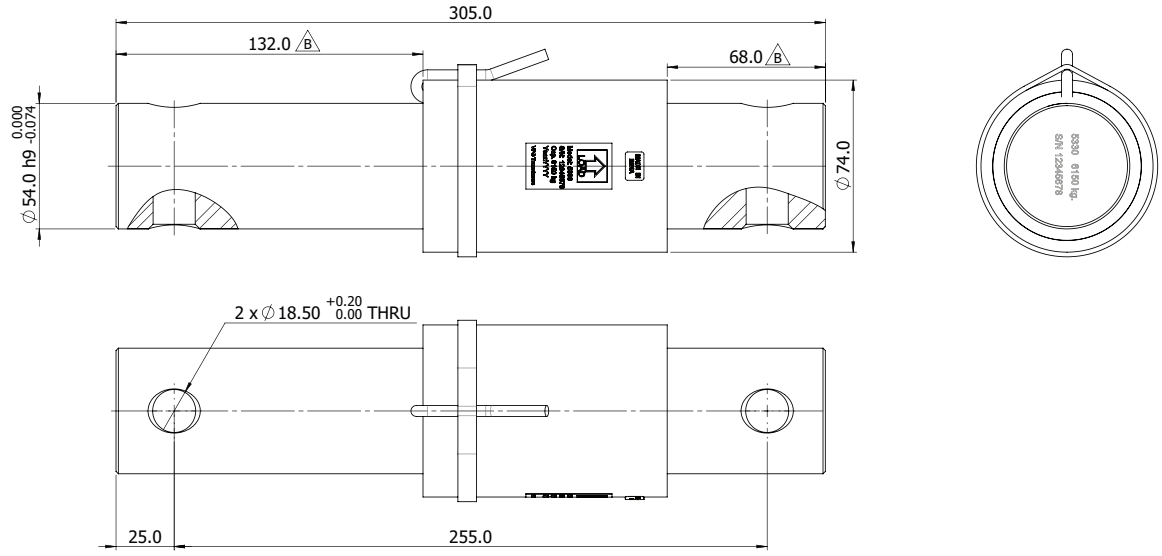
APPLICATIONS

- Feed and stationary mixers
- Manure spreaders
- Harvest trailer
- Bins, tanks and grain carts
- TMR mixers and feedlot spreaders

DESCRIPTION

The Model 5330 Agribar™ is a heavy-duty, single-ended bending beam load cell, specifically designed for use in the agricultural industry. The beam is constructed from alloy steel with an electrodeposited organic coating, resulting in superior resistance against corrosion and abrasion. This load cell is highly durable and delivers an impressive temperature tolerance and maximum weight capacity. It is best suited for installation into large agricultural machinery, where it can be used to measure and control dispensing and accumulation of commodity, and more.

OUTLINE DIMENSIONS in millimeters (dimensions may vary for other capacities)



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SPECIFICATIONS		
PARAMETER	**VALUE**	**UNIT**
Rated capacity—R.C. (E_{max}) **Static** **Dynamic**	 6150* (4100)	kg
Rated output—R.O. **Static** **Dynamic**	 1.45±0.007 (0.966)	mV/V
Zero balance	±0.0100	mV/V
Sensor error	±0.10	% of R.O.
Creep (30 min.)	±0.08	% of load
Zero return (30 min.)	±0.08	% of load
Temperature effect on zero	±0.010	% of R.O./°C
Temperature effect on output	±0.010	% of load/°C
Temperature range, compensated	0 to +50	°C
Temperature range, service	–20 to +60	°C
Temperature range, storage	–30 to +70	°C
Maximum safe static overload	9225	kg
Ultimate static overload	15375	kg
Excitation, recommended	10	VDC
Excitation, range	5–15	VDC
Input impedance	349–450	Ω
Output impedance	349–356	Ω
Insulation resistance	>2000	MΩ @ 50 VDC
Cable length	6.5	m
Cable type	4 conductor, 24 AWG, polyurethane jacket, floating shield	
Color code (4 conductors)	+exc – red, +sig – grn, –exc – blk, –sig – wht	
Construction	Coated alloy steel	
Compensation circuit type	Unbalanced on +Exc terminal	
Environmental protection	IP67/IP69K	

* Other capacities are available upon request.

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