



CARDINAL®

200K-SCA

Compression Weighing Load Cells



- 200,000 lb/90,720 kg capacity
- Environmentally-sealed (IP68)
- Stainless steel construction
- 35'/10m integral shielded cable

These heavy-capacity compression load cells are ideal for multi-cell applications including truck scales, railroad track scales, and heavy-duty tank weighing systems.

Load cells are fabricated from stainless steel to provide the ultimate in protection when caustic, corrosive or wet environments are encountered.

Load cells are environmentally-sealed for absolute water protection.

MECHANICAL DATA

Rated Capacity, (R.C.) E _{max}	200,000 lb / 90,720 kg
Minimum Dead Load	1,500 lb / 680 kg
Safe Load Limit	150% R.C.
Ultimate Load	300% R.C.
Deflection at R.C.	.01 in / 0.25 mm
Net Weight	33 lb / 15 kg

CERTIFICATE DATA

Issuing Body	NTEP
Certificate Number	89-042A4
Accuracy Class	III L
Maximum Number of Load Cell Intervals, n _{max}	10,000
Single/Multiple	M
Minimum Load Cell Verification Interval V _{min} NTEP	6 lb / 2.72 kg

ELECTRICAL DATA

Rated Output	2mV/V
Excitation Voltage, Minimum	10 VDC
Excitation Voltage, Maximum	15 VDC
Cable Length	35 ft / 10 m
Terminal Resistance	
Excitation	1,600
Signal	1,400
Zero Load Output	>2% R.C.
Insulation Resistance	>5000 megohms at 50 VDC

ENVIRONMENTAL DATA

Temperature Compensation Range	-10 to +40°C
Operating Temperature Range	-29 to +93°C
Construction & Protection Code	CP-67 HU, IP68
Barometric Pressure Effect on Zero Load Output	<1 v (min)/1kPa

SCALE

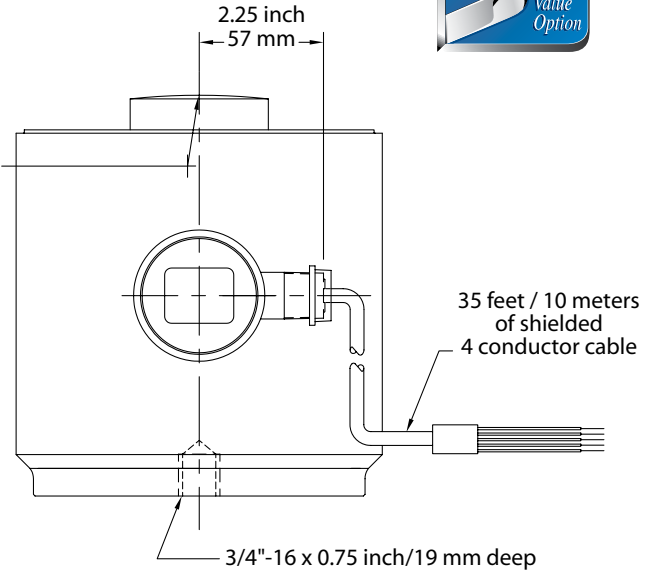
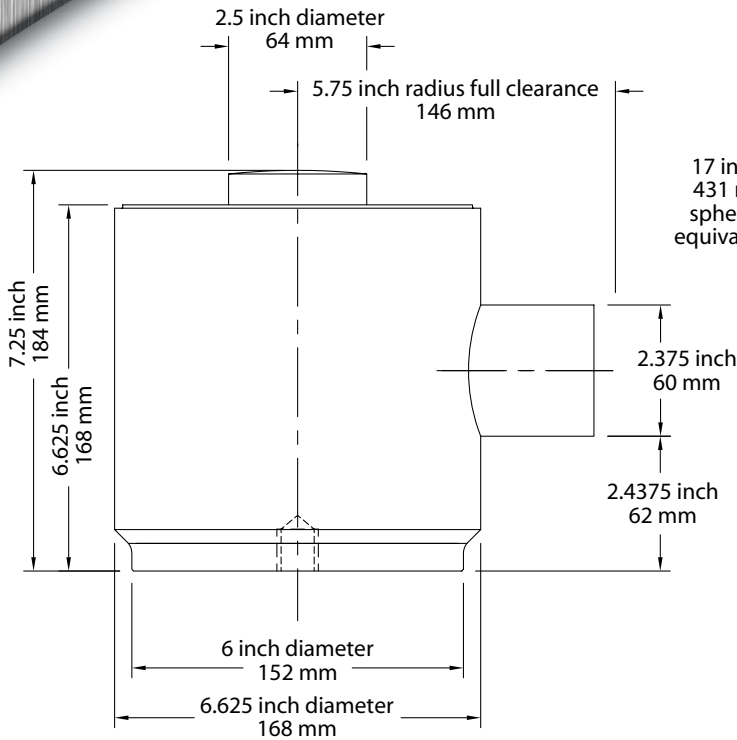
SCA

Model 200K-SCA

Compression Weighing Load Cells

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Capacity: 200,000 lb/90,720 kg



ELECTRICAL INFORMATION



State-of-the-Art Load Cell Manufacturing Facility

ISO 9001 Quality Environment



CERTIFICATIONS

The Model 200K-SCA Load Cell meets or exceeds Class III, 10,000 division accuracy requirements in accordance with NIST Handbook 44. A Certificate of Conformance (Number 89-042A4) has been issued under the National Type Evaluation Program (NTEP) of the National Conference on Weights and Measures.



VCAP CERTIFIED

Cardinal Scale has been found to fully comply with the Verified Conformity Assessment Program (VCAP) administered by the National Type Evaluation Program (NTEP) of the National Conference on Weights and Measures (NCWM).

Cardinal Scale reserves the right to improve, enhance or modify features and specifications without prior notice. All registered trademarks are the property of their respective owners.



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