

Rice Lake RL70000 Coated Alloy Steel, Double-Ended Beam Load Cell



As of: Monday, July 27,
2026



Standard Features

A coated alloy steel, double-ended beam load cell designed for tank and hopper applications. Available in capacities ranging from 5,000 lb to 250,000 lb and complete with 30 ft of load cell cable. Ideal for fertilizer applications.

Approvals



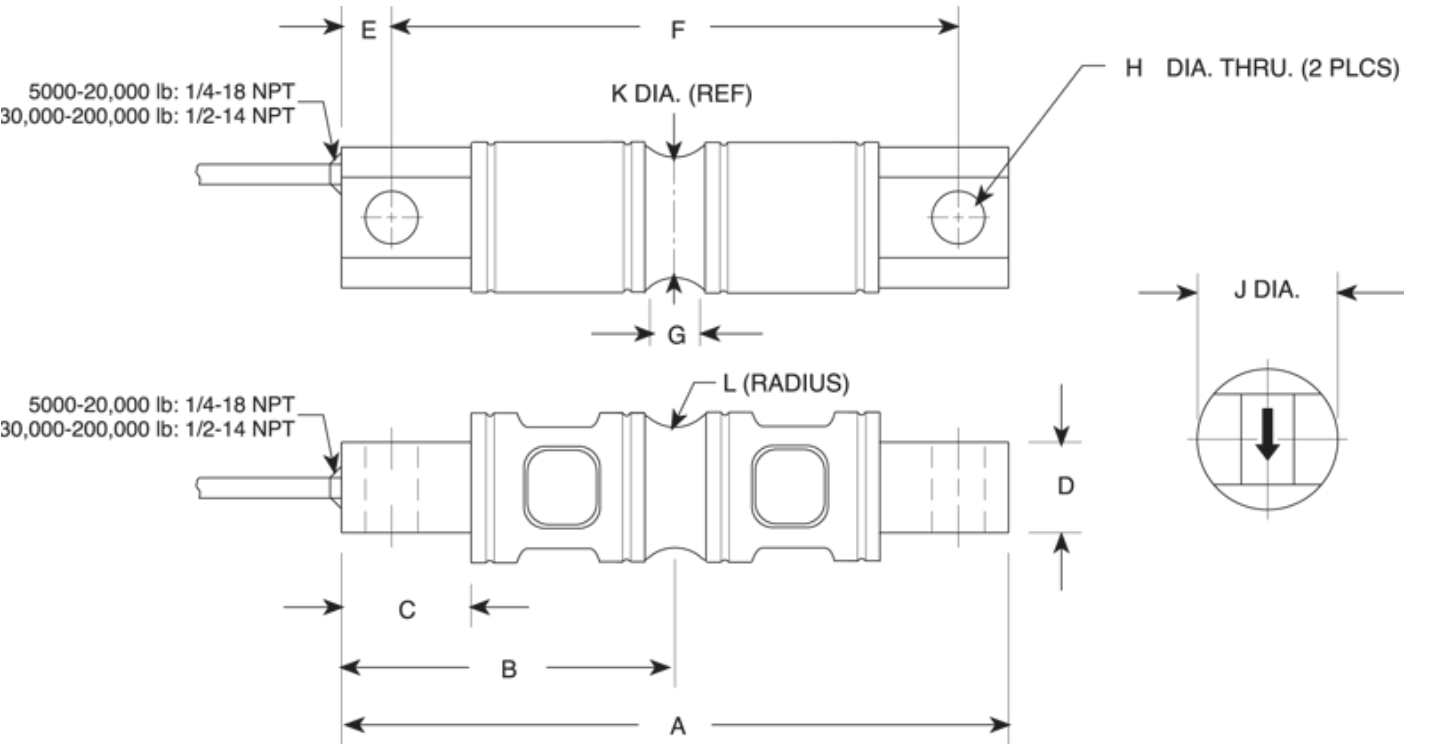


WARNING: Cancer and
Reproductive Harm
California Proposition
65

RL70000 Coated Load Cell Specifications

Full Scale Output: 3.0 mV/V Output Resistance: 5 to 10 k: 703 (± 4) ohm 20 to 150 k: 700 (± 5) ohm 200 to 250 k: 700 (± 5) ohm Input Resistance: 5 to 10 k: 700 (± 14) ohm 20 to 150 k: 770 (± 10) ohm 200 to 250 k: 700 (± 14) ohm Material/Finish: Alloy steel, coated Temperature: Compensated range 14 °F to 104 °F (-10 °C to 40 °C) Operating range 0 °F to 150 °F (-18 °C to 65 °C) Seal Type: Environmentally sealed, IP67	Safe Overload: 150% full scale Safe Sideload: 100% full scale Rated Excitation: 5 to 10 VDC (15 V maximum) Combined Error: 0.02% full scale Insulation Resistance: 5,000 megohm Deflection at Capacity: 5,000 lb: 0.02 in 10,000 lb: 0.025 in 20,000 lb: 0.042 in 30,000 to 50,000 lb: 0.02 in 60,000 lb: 0.025 in 100,000 lb: 0.02 in	Cable Length: 30 ft Cable Diameter: 5,000 to 20,000 lb: 0.200 in 30,000 to 250,000 lb: 0.305 in Polyurethane jacket Cable Color Code: Red +Excitation Black –Excitation Green +Signal White –Signal Warranty: Two-year limited Approvals: cFMus NTEP 97-125
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RL70000 Coated Load Cell Dimensions



RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	L
LB/IN											
5,000	8.12	4.06	1.44	1.12	0.62	6.88	0.62	0.66	1.70	1.48	0.50
30,000 to 50,000	10.25	5.12	1.88	2.37	0.88	8.50	1.00	1.06	3.20	2.73	1.00
250,000	16.10	8.05	3.05	4.60	1.55	13.00	1.30	1.56	5.38	5.17	2.00

PART #	DESCRIPTION	LIST PRICE
198196	5k 5000lb 30ft 3mv/v 700 Ohm NTEP III/IIIL 10S WW FM MLC coated	List Price: \$720.00
198199	30k 30000lb 30ft 3mv/v 700 Ohm NTEP III/IIIL 10S WW FM MLC coated	List Price: \$826.00
198201	50k 50000lb 30ft 3mv/v 700 Ohm NTEP III/IIIL 10S WW FM MLC coated	List Price: \$826.00
198206	250k 250000lb 30ft 3mv/v 700 Ohm NTEP III/IIIL 10S WW FM MLC coated	List Price: \$2,990.00

www.ricelake.com | 800-472-6703

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