

Load Cells/Weigh Modules

RL70000 Double-Ended Beam

Alloy Steel



5k & 10k Class III 5000 Divisions

APPROVALS



SPECIFICATIONS

FULL SCALE OUTPUT:

3.0mV/V
With voltage applied 25+37.5K only

BRIDGE RESISTANCE:

700 ohms, nominal

MATERIAL/FINISH:

High-alloy steel, nickel plated

TEMPERATURE:

Compensated range
14°F to 104°F (-10°C to 40°C)

SAFE OVERLOAD:

150% Full scale

RATED EXCITATION:

10VDC (15V maximum)

NON-REPEATABILITY:

0.01% Full scale

INSULATION RESISTANCE:

5000 megohms

DEFLECTION AT CAPACITY:

5000lb = .02in (.5mm)
10,000lb = .025in (.6mm)
20,000lb = .042in (1.1mm)
30,000-50,000lb = .02in (.5mm)
60,000lb = .025in (.6mm)
100,000lb = .02in (.5mm)

SEAL TYPE:

Environmentally sealed, IP67

CABLE LENGTH:

30ft (9.1m)

CABLE COLOR CODE:

Red + Excitation
Black - Excitation
Green + Signal
White - Signal

WARRANTY:

Two-year limited warranty

DIMENSIONS

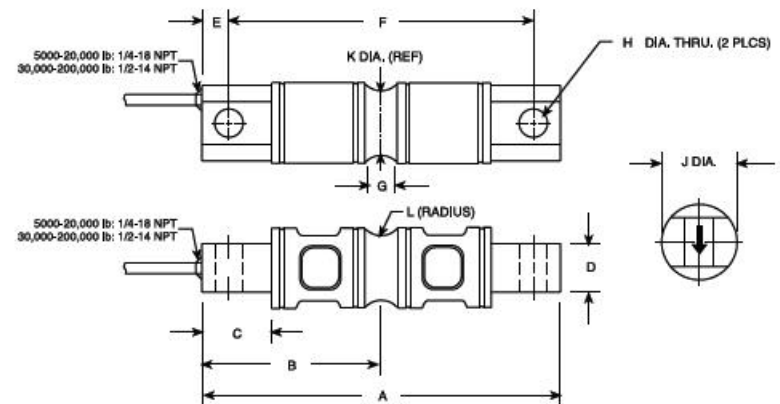
RATED CAPACITY lb/inches	A	B	C	D	E	F	G	H	J	K	L
5000-20,000	8.12	4.06	1.44	1.12	.62	6.88	.62	.66	1.83	1.48	.50
30,000-60,000	10.25	5.12	1.88	2.37	.88	8.50	1.00	1.06	3.20	2.73	1.00
100,000	11.25	5.62	1.88	2.50	.88	9.50	1.00	1.06	3.75	3.24	1.50
150,000	11.25	5.62	1.88	2.80	.88	9.50	1.25	1.06	3.90	3.64	1.50
200,000-250,000	16.10	8.05	3.05	4.60	1.55	13.00	1.30	1.56	5.38	5.17	2.00
kg/mm											
2268.0-9071.9	206.3	103.1	36.6	28.5	15.8	174.8	15.8	16.8	55.9	37.6	12.7
13,607.8-27,215.6	260.4	130.1	47.8	60.2	22.4	215.9	25.4	26.9	81.3	69.3	25.4
45,359.4	285.8	142.8	47.8	63.5	22.4	241.3	25.4	26.9	95.3	82.3	25.4
68,093.1	285.8	142.8	47.8	63.5	22.4	241.3	31.8	26.9	95.3	92.5	38.1
90,718.5-113,398	409.0	204.5	77.5	116.8	39.4	330.2	33.0	39.6	136.7	131.3	50.8

LOAD RATING

PART

NTEP

5000lb (2268.0kg)	36263
10,000lb (4535.9kg)	36264
20,000lb (9071.9kg)	36265
30,000lb (13,607.8kg)	36266
40,000lb (18,143.7kg)	36267
50,000lb (22,679.6kg)	36268
60,000lb (27,215.5kg)	36269
100,000lb (45,359.2kg)	36270
150,000lb (68,038.8kg)	36976
200,000lb (90,718.4kg)	36977
Non-NTEP	
250,000lb (113,398.0kg)	36978



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