

RL70000 SS Double-Ended Beam

Stainless Steel



APPROVALS



STANDARD FEATURES

- Truck, track, and process weighing
- Full scale output: 3.0mV/V
- Bridge resistance: 700 ohms, nominal
- Stainless steel
- Environmentally sealed, IP67

SPECIFICATIONS

FULL SCALE OUTPUT:

3.0mV/V

BRIDGE RESISTANCE:

700 ohms, nominal

MATERIAL/FINISH:

Stainless steel

TEMPERATURE:

Compensated range
0°F to 150°F (-18°C to 65°C)

SAFE OVERLOAD:

150% Full scale

RATED EXCITATION:

10VAC/DC (15V max)

NON-REPEATABILITY:

0.02% Full scale

COMBINED ERROR:

0.1% Full scale

INSULATION RESISTANCE:

5000 megohms

DEFLECTION AT CAPACITY:

5000 lb = .02 in (.5 mm)
10,000 lb = .025 in (.6 mm)
20,000 lb = .042 in (1.1 mm)
30,000-50,000 lb = .02 in (.5 mm)
60,000 lb = .025 in (.6 mm)
100,000-150,000 lb = .02 in (.5 mm)

SEAL TYPE:

Environmentally sealed, IP67

CABLE LENGTH:

30 ft (9.2 m)

CABLE COLOR CODE:

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

WARRANTY:

Two-year limited warranty

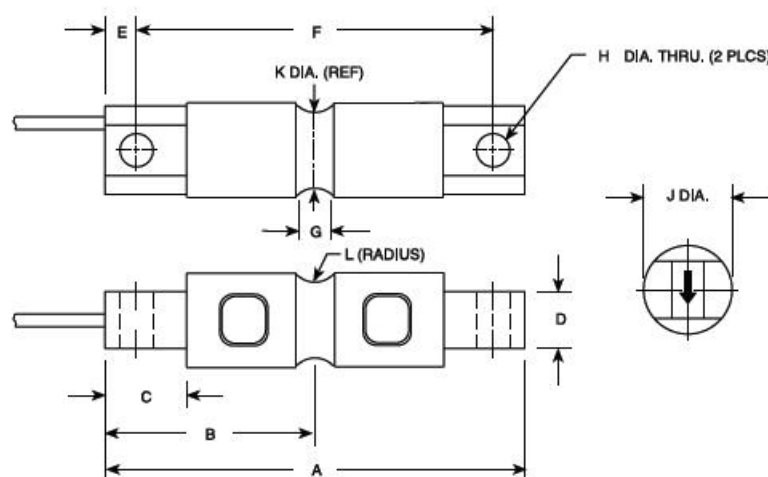
DIMENSIONS

RATED CAPACITY lb/inches	A	B	C	D	E	F	G	H	J	K	L
5000-10,000	8.12	4.06	1.44	1.12	.62	6.88	.62	.66	1.83	1.48	.50
20,000	8.12	4.06	1.44	1.12	.84	6.88	.84	.66	2.08	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
kg/mm											
2268.0-4535.9	206.3	103.1	36.6	28.5	15.8	174.8	15.8	16.8	55.9	37.6	12.7
9071.9	206.3	103.1	36.6	14.2	21.3	174.8	21.3	16.8	52.8	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

LOAD RATING

	PART
5000 lb (2268.0 kg)	30431
10,000 lb (4535.9 kg)	30432
20,000 lb (9071.9 kg)	30433
30,000 lb (13,607.8 kg)	30434
40,000 lb (18,143.7 kg)	30435
50,000 lb (22,679.6 kg)	30436
60,000 lb (27,215.5 kg)	30437
100,000 lb (45,359.2 kg)	30444
150,000 lb (68,038.9 kg)	30445
Conduit Adapter Kit* (must be factory installed to maintain warranty)	
3/8-24 Nipple	31533*
3/8-24 to 1/4-18 NPT	31534*
5/8-18 UNF/1/2-14 NPT	31535**

* On capacities of 5000 to 20,000 lb, parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit ** On capacities of 30,000 to 200,000 lb, order part #31535.



Load Cells