

Load Cells/Weigh Modules

RL75016 SS Double-Ended Beam

Stainless Steel



APPROVALS



STANDARD FEATURES

- Tank and hopper applications
- 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:

10VDC (15V maximum)

NONLINEARITY:

0.07% Full scale

HYSTERESIS:

0.02% Full scale

INSULATION RESISTANCE:

2000 megohms

DEFLECTION AT CAPACITY:

1000-3000lb = .01 in (.3 mm)
5000lb = .015 in (.4 mm)
10,000-20,000lb = .022 in (.6 mm) 25,000lb =
.036 in (.9 mm)
50,000lb = .052 in (1.3 mm)
75,000lb = .07 in (1.8 mm)

SEAL TYPE:

Environmentally sealed, IP67

CABLE LENGTH:

25ft (7.6m)

CABLE COLOR CODE:

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

WARRANTY:

Two-year limited warranty

DIMENSIONS

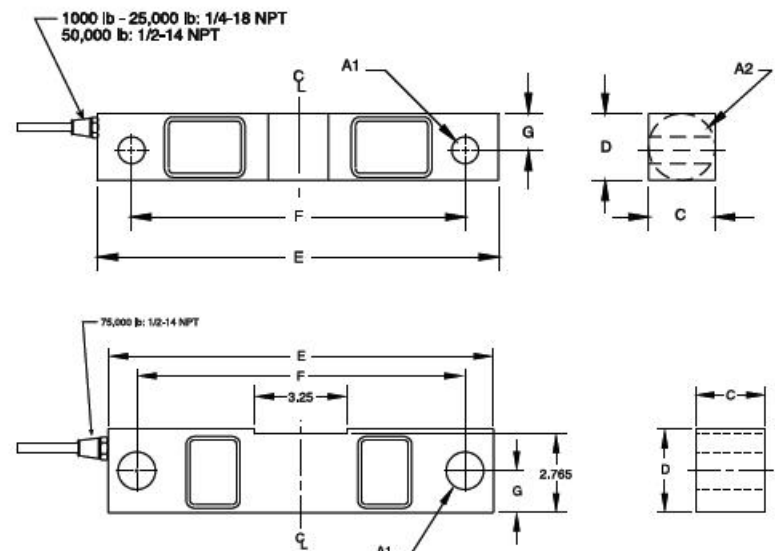
RATED CAPACITY lb/inches	A1	A2	C	D	E	F	G
1000-5000	.50	1.25	1.25	1.25	7.50	6.25	.69
10,000-25,000	.81	1.99	1.44	1.94	8.75	7.50	.96
50,000	1.31	3.00	2.44	2.94	13.50	11.50	1.50
75,000	1.31	—	2.44	2.94	13.50	11.50	1.47
kg/mm							
453.6-2268.0	12.7	31.8	31.8	31.8	190.5	158.8	17.5
4535.9-11,339.8	20.6	50.8	36.6	49.3	222.3	190.5	24.4
22,679.6	33.3	76.2	62.0	74.7	342.9	292.1	38.1
34,019.4	33.3	—	62.0	74.7	342.9	292.1	37.3

LOAD RATING

PART

1000lb (453.6kg)	17301
1500lb (680.4kg)	17303
2000lb (907.2kg)	17305
2500lb (1134.0kg)	17307
5000lb (2268.0kg)	17310
10,000lb (4535.9kg)	17312
15,000lb (6803.9kg)	17314
20,000lb (9071.9kg)	17316
25,000lb (11,334.8kg)	17318
50,000lb (22,679.6kg)	17320
*75,000lb (34,019.4kg)	25356

* 75,000lb capacity has a square center



Load Cells