

# Load Cells/Weigh Modules

## RLDB50000S Double-Ended Beam

Stainless Steel



### STANDARD FEATURES

- Stainless steel, welded load cell
- NTEP approved for 10,000 divisions
- 35 ft of cable standard
- Bridge resistance: 700 ohms, nominal
- Full scale output:  $2 \pm 0.1\%$  mV/V

### APPROVALS



### SPECIFICATIONS

#### FULL SCALE OUTPUT:

$2 \pm 0.1\%$  mV/V

#### BRIDGE RESISTANCE:

700 ohms, nominal

#### MATERIAL/FINISH:

Stainless Steel

#### TEMPERATURE:

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

#### SAFE OVERLOAD:

150% Full scale

#### RATED EXCITATION:

10VAC/DC (15V maximum)

#### NON-REPEATABILITY:

0.01% Full scale

#### COMBINED ERROR:

0.03% Full scale

#### INSULATION RESISTANCE:

5000 megohms

#### DEFLECTION AT CAPACITY:

0.01 in (0.38 mm)

#### SEAL TYPE:

Environmentally sealed, NEMA 6P/IP67

#### CABLE LENGTH:

35 ft (11 m)

#### CABLE COLOR CODE:

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

#### WARRANTY:

Two-year limited warranty

### DIMENSIONS

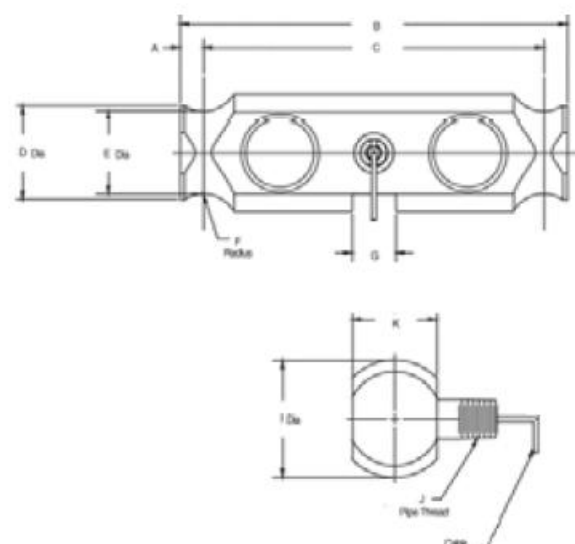
RATED  
CAPACITY  
lb/inches

|       | A    | B      | C      | D    | E    | F    | G    | J      | K     | I    |
|-------|------|--------|--------|------|------|------|------|--------|-------|------|
|       | 0.50 | 8.25   | 7.25   | 2.0  | 1.76 | 0.75 | 0.93 | 1/2-14 | 1.8   | 2.5  |
| kg/mm | 12.7 | 209.55 | 184.15 | 50.8 | 44.7 | 19   | 23.6 | 1/2-14 | 45.72 | 63.5 |

### LOAD RATING

### PART #

50,000 lb (22,679.5 kg) ..... 91765



Load Cells