

# Load Cell Central

1-800-LOADCEL

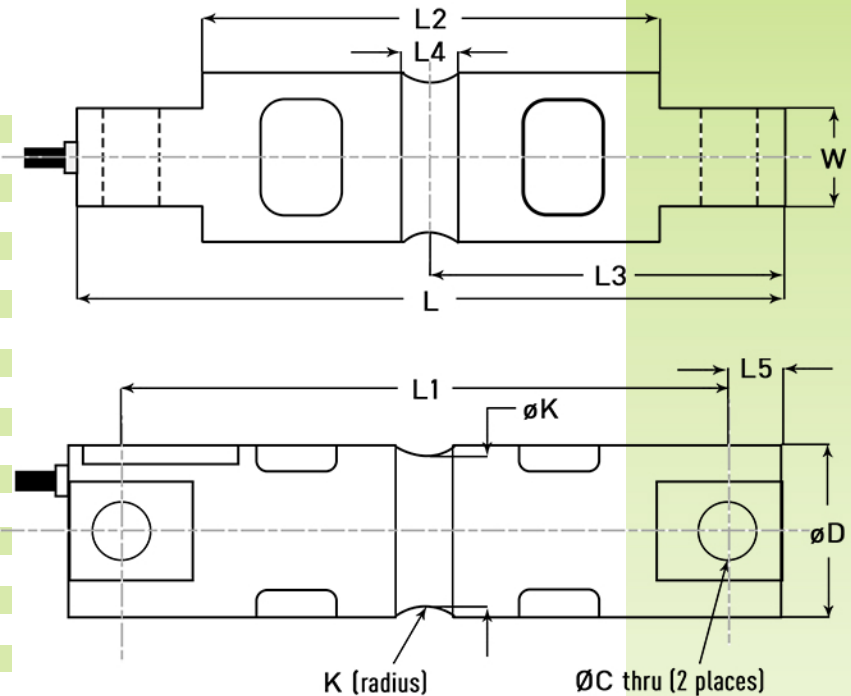
## Model: RVSF/RVSF-SS

- Double-ended shear beam
- Compression
- Nickel plated alloy steel or stainless steel
- IP67 environmental protection rating
- Capacities (lb): 5K, 10K, 20K, 30K, 40K, 50K, 60K, 75K, 100K, 150K, 200K, 250K



## Specifications:

|                               |                                        |
|-------------------------------|----------------------------------------|
| Full scale output             | 3.0 mV/ V nom.                         |
| Combined error                | $\leq \pm 0.03\%$ FSO                  |
| Non-linearity                 | $\leq \pm 0.03\%$ FSO                  |
| Hysteresis                    | $\leq \pm 0.03\%$ FSO                  |
| Non-repeatability             | $\leq \pm 0.01\%$ FSO                  |
| Creep error                   | $\leq \pm 0.02\%$ FSO in 30 min        |
| Zero balance                  | $\pm 1.0\%$ FSO                        |
| Compensated temperature range | -10°C - 40°C (14°F - 104°F)            |
| Operating temperature range   | -35°C - 70°C (-31°F - 158°F)           |
| Temperature effect on output  | $\leq 0.011\%$ FSO / 10°C (18°F)       |
| Temperature effect on zero    | $\leq 0.015\%$ FSO / 10°C (18°F)       |
| Input resistance              | 700 $\Omega \pm 7 \Omega$              |
| Output resistance             | 703 $\Omega \pm 4 \Omega$              |
| Insulation resistance         | $\geq 5,000 \text{ M}\Omega$ at 50 VDC |
| Recommended excitation        | 10 VDC (15 VDC Maximum)                |
| Cable length                  | 9.3 m (30 ft)                          |
| Safe overload                 | 150% FS                                |
| Ultimate overload             | 300% FS                                |
| Material                      | Alloy steel or stainless steel         |



## Dimensions:

| Rated capacity (lb) | Dimensions (in) |      |       |      |      |      |      |      |      |      |      |
|---------------------|-----------------|------|-------|------|------|------|------|------|------|------|------|
|                     | L               | L1   | L2    | L3   | L4   | L5   | W    | ØD   | K    | ØK   | ØC   |
| 5K, 10K             | 8.12            | 6.87 | 5.24  | 4.06 | 0.62 | 0.62 | 1.12 | 1.70 | 0.50 | 1.48 | 0.65 |
| 20K                 | 8.12            | 6.87 | 5.24  | 4.06 | 0.84 | 0.62 | 1.12 | 1.95 | 0.50 | 1.48 | 0.65 |
| 30K - 75K           | 10.25           | 8.50 | 6.50  | 5.12 | 1.00 | 0.88 | 2.37 | 3.00 | 1.00 | 2.73 | 1.06 |
| 100K                | 11.25           | 9.50 | 7.50  | 5.62 | 1.22 | 0.88 | 2.50 | 3.50 | 1.50 | 3.24 | 1.06 |
| 150K                | 11.25           | 9.50 | 7.50  | 5.62 | 1.22 | 0.88 | 2.80 | 3.90 | 1.50 | 3.64 | 1.06 |
| 200K, 250K          | 16.10           | 3.00 | 10.00 | 8.05 | 1.25 | 1.55 | 4.60 | 5.37 | 2.00 | 5.17 | 1.56 |

## Wiring Code

|             |       |
|-------------|-------|
| +Excitation | Red   |
| -Excitation | Black |
| +Signal     | Green |
| -Signal     | White |
| +Sense      | N/A   |
| -Sense      | N/A   |

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Load Cell Central  
28175 Route 220  
Milan, PA 18831

Web: [www.800loadcel.com](http://www.800loadcel.com)  
Email: [sales@800loadcel.com](mailto:sales@800loadcel.com)

Toll Free: 1-800-562-3235  
Phone: 1-570-731-7048  
Fax: 1-570-731-7054