

# Shipping Services

30,000  
load cells  
in stock;  
over 95%  
shipped  
same-day.

If you like  
those numbers,  
call one  
of these...

**Orders:**

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**Canada & Mexico:**

**800-321-6703**

**Telephone:**

**715-234-9171**

**24-hour Fax:**

**715-234-6967**

**Web Site:**

**www.rlws.com**

**RICE LAKE WEIGHING SYSTEMS**  
Industrial Solutions on a Global Scale



## COURIER SERVICE - FED EX

| Delivery Type      | Delivery Times                              | Weekends |
|--------------------|---------------------------------------------|----------|
| First Overnight    | 8 a.m.*                                     |          |
| Priority Overnight | 10:30 a.m. *                                | Saturday |
| Standard Overnight | 3 p.m.*                                     |          |
| 2nd Day            | 4:30 p.m.                                   | Saturday |
| Express Saver      | 4:30 p.m.<br>w/in 3 days                    |          |
| Ground             | 1-5 day guaranteed<br>depending on distance |          |

\*Where Available

All FedEx deliveries available in the contiguous USA only.

## COURIER SERVICE - UPS

| Type   | Delivery Times                                                        |                               |                                 |                                    |
|--------|-----------------------------------------------------------------------|-------------------------------|---------------------------------|------------------------------------|
| Red    | Early A.M.*<br>8:30 a.m. (9:30 Sat.)<br>extra charge                  | Next Day Air*<br>10:30 a.m.   | Next Day Air Saver<br>4:30 a.m. | Next Day Air Sat.*<br>extra charge |
| Blue   | 2nd Day Air A.M.*<br>10:30 a.m.                                       | 2nd Day Air<br>2 day delivery |                                 |                                    |
| Orange | 3 Day Select<br>3 day delivery                                        |                               |                                 |                                    |
| Ground | Guaranteed delivery to commercial address* on promised date (see map) |                               |                                 |                                    |

### Express Mail

Air freight via U.S. Postal Service guaranteed to be at most destinations the next business day (contiguous USA only). Canadian deliveries 1 to 3 days. No Sunday deliveries.

### V.I.P. Counter-to-Counter

This is a special small package (up to 100 lb) courier service we offer via commercial airlines for counter-to-counter delivery in the same business day (Monday through Saturday).

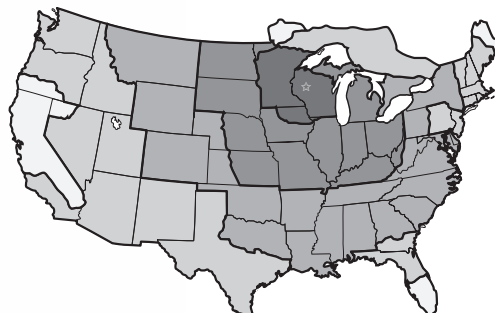
This service does not carry the same service guarantees as standard carriers.

## STANDARD COURIER SHIPPING RATES

When shipping via air services, couriers require that the shipping weight be determined by the greater of the actual weight of the boxed product or its dimensional shipping weight.

The formula for calculating dimensional shipping weight is as follows:  $L \times W \times H / 194$  for domestic air shipments and  $L \times W \times H / 166$  for international air shipments.

RLWS takes the added precaution of double boxing some of our electronic products and balances. This may result in dimensional weight charges by the carrier when shipping by air. Even with this added precaution we suggest that you always ship high precision and fragile products via air service.



*Guaranteed days for  
UPS ground delivery  
from our plant in Rice Lake,  
Wisconsin.*

|        |  |
|--------|--|
| 1 Day  |  |
| 2 Days |  |
| 3 Days |  |
| 4 Days |  |
| 5 Days |  |

*We guarantee next-day delivery on all stock items anywhere in the contiguous USA when UPS Next-Day Air is specified, and ordered prior to 6:00 p.m. Central Time.*

## Shipping Services (continued)...

### INTERNATIONAL COURIER SERVICE

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DHL</b>              | Worldwide Priority Express                                                                                                                                   |
| <b>Emery Worldwide</b>  | Puerto Rico (A.M. & Second Day)<br>Express (Door to Door)<br>Standard Plus (Door to Door)<br>Preferred (Airport to Airport)<br>Standard (Airport to Airport) |
| <b>BAX Global</b>       | Time Definite Premier<br>International Express<br>Standard Air Freight<br>Door to Door<br>Door to Airport<br>Airport to Airport<br>Airport to Door           |
| <b>Airborne Express</b> | International Service                                                                                                                                        |
| <b>Fed Ex</b>           | Priority<br>Economy                                                                                                                                          |
| <b>UPS</b>              | Express*<br>Expedited*<br>Standard (Ground Canada Only)                                                                                                      |
| * Includes Canada       |                                                                                                                                                              |

### DOMESTIC COURIER SERVICE

|                        |                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DHL</b>             | Overnight                                                                                                                                                                             |
| <b>Emery Worldwide</b> | Delivery by Noon next business day<br>Delivery by 9:00 a.m. next business day<br>Delivery by 5:00 p.m. 2nd business day<br>Saturday delivery<br>(all Emery Worldwide where available) |
| <b>BAX Global</b>      | Overnight<br>Second Day<br>Next Flight Available<br>(all Box Global where available)                                                                                                  |
| <b>DBE</b>             | Express<br>Next day<br>Next day after Noon<br>Second Day                                                                                                                              |

### FORWARDERS

We can provide service through a forwarder of your choice, or select one of our preferred forwarders.

**AIR FREIGHT:** BAX Global, Emery Worldwide

**OCEAN FREIGHT:** Superior Freight Services, Kuehne & Nagel  
Overseas ocean freight. Call for estimated delivery.

### TRUCK SERVICE

**ABF, Yellow, Roadway, CCX, American Freightways, Mid-States (LTL)**  
**Stan Koch & Sons Trucking (Truckload)**  
**J&R Schugel, Roehl and Schneider (Flatbed Truckload)**



# Profit from Knowledge

## MS101 "Understanding Mechanical Scales"

This four-day (three-day before 1-1-01) class covers pivots, bearing and levers, scale recognition, maintenance and repair, beams/portable beam scales, dial scales, motor truck scales, and electromechanical conversions.

## ES111 "Fundamentals of Electronic Systems"

This four and one-half day course provides hands-on training on the basics of calibration, configuration, and serial interfacing of electronic components, from load cells and indicators to printers and peripherals.

Spanish Available

## ES222 "Advanced Scale System Troubleshooting"

The principles and theories of ES111 are applied to in-depth troubleshooting in this four and one-half day course. With very little lecture, ample lab work is used so that attendees learn a systematic and methodical approach to troubleshooting.

Spanish Available

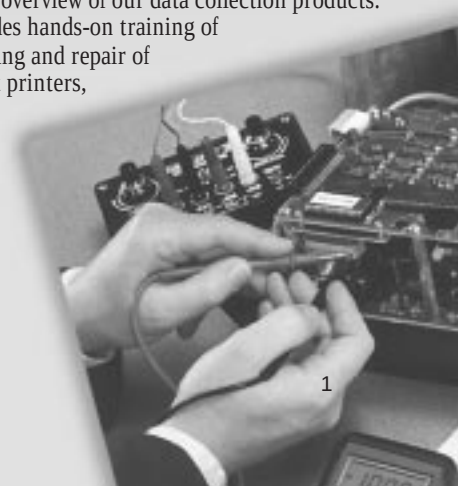
## ES333 "Automation Control"

This four and one-half day course provides experienced scale professionals with the background to solve batching application challenges with the IQ plus® series digital indicators, and controllers such as CB-1, BWC-1, ATS-1, and ATS-2.

Spanish Available

## DC444 "Printer Maintenance and Integration"

This three-day class provides sales and service technicians with a full overview of our data collection products. This class includes hands-on training of both programming and repair of label and impact printers, a complete overview of bar code basics, scanners, software, media, and integration practices.



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# Featured Products

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With the release of each new Load Cell Guide, we add a full assortment of new and exciting products including load cells, innovative new sensors, mounts and other complementary products that were designed specifically because we listen to the needs of our customers. Due to the vast number of products offered in this catalog, this Featured Products section has been added to help you identify these special offerings. A full specification sheet exists for each of the Featured Products in its appropriate catalog section. Our commitment at Rice Lake Weighing Systems is to serving our customers' needs better than anyone in the industry, and these additions are further proof of this point. For unique applications, see the special requirement order form on page 366 for assistance.

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## RL8500HE Ultra Low Profile Mounting Assembly, Stainless Steel, Hermetically Sealed ..... Page 74



This new, innovative mounting assembly incorporates the load cell and mount into the same piece of hardware. The result is an extremely rugged, low-profile assembly that is capable of operating with very high performance levels in the worst of environmental conditions. This assembly is manufactured from stainless steel, and is hermetically sealed to prevent moisture intrusion. Since there is no bulky mounting hardware to deal with, the installation of the product is quick and easy. Additional features include 300% overload capabilities, and a field replaceable, stainless steel braided cable assembly. The standard cable length is 25' (7.6m), but the product can be supplied with varying lengths of cable depending upon the application. Available in capacities from 10,000 to 60,000lb (4535.9 to 27,216.0kg), this product is sure to have a big impact in the marketplace.

**Ultra Low  
Profile**



## RL8000HE Mini Low Profile Mounting Assembly, Stainless Steel, Hermetically Sealed ..... Page 76

Providing the same benefits as the RL8500HE (above), this mounting assembly features a compact design for use in light-to medium-duty applications. The capacity range on this version is 250 lb to 5,000 lb (113.4 to 2268.0kg).

**Ultra Low  
Profile**



## SURVIVOR ITCM HE Isolated Tension Cell Modules, Stainless Steel, Hermetically Sealed ..... Page 28

This mounting assembly is the latest addition to our SURVIVOR HE Weigh Module series. The SURVIVOR series is Rice Lake Weighing Systems signature line of mounting assemblies directed towards highly industrial environments with washdown or corrosive conditions. This assembly is ideal for suspended tank and hopper, as well as mechanical conversion applications. Each assembly features a fully hermetically sealed, stainless steel Flintec UB1 or UB6 load cell and all stainless hardware. The capacity range of this mount is 225 to 4500 lb (102.2 to 2043kg/1kN to 20kN), with each unit being provided with 20' (6.1m) of load cell cable.

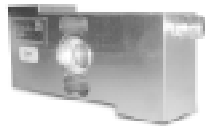


# Featured Products

## Flintec ZLB Single Ended Beam, Aluminum ..... Page 209



The Flintec ZLB is an economical alternative to one of the markets more traditional bending beam design load cells. This version offers anodized aluminum construction with a rugged industrial potting, making it suitable for tough environmental conditions. The load cell is designed to have a much lower profile than traditional cells, and features an improved calibration technique that saves time on corner calibration in multiple cell systems. This model is offered in capacities ranging from 20 to 200kg (44.1 to 441.0lb), and includes 10' (3.1m) of load cell cable.



## Tedea 1510 Single Point, Stainless Steel ..... Page 324

The 1510 is a stainless steel hermetically sealed cell ideally suited for washdown applications. Capacities from 100 kg to 500 kg.

**NEW!**



## RLBTM Mounting Assembly, Mild Steel/Stainless Steel ..... Page 38

The new RLBTM mount was specifically created to take advantage of the improved load introduction accuracy of the ball and cup design. This multi-purpose mount is ideal for both indoor and outdoor applications, and can be used with a variety of single-ended beam load cells. Available in both mild and stainless steel material, this product offers superior accuracy at an affordable price. These assemblies are also quick and easy to install, making the RLBTM the perfect choice for your low-capacity, multi-purpose weighing needs.

**New Lower Prices!**

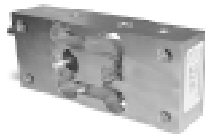


## RL30000W Single-Ended Beam, Alloy Steel ..... Page 103

The RL30000W single ended shear beam is identical to the proven RL30000 with the added feature of a welded gage area. NTEP certified in capacities from 1000 to 10,000 lbs. Alloy steel. Complete with 20' of load cell cable.



**NEW!**



## RL800WT Single Point, Stainless Steel, Hermetically Sealed ..... Page 146

The RL800WT is a rugged single point load cell that is ideal for upgrading platform scales. Modeled after a popular load cell used in Weightronix® platform scales, this model features the additional protection of stainless steel. Available in capacities ranging from 25 to 200 lb (11.3 to 90.7kg), each unit includes 10' (3.1m) of load cell cable

# Featured Products



Celtron LCD Compression Disk, Alloy Steel ..... Page 190

Environmentally-protected low-profile compression disk. 5000 and 10,000 lb models can also be used in tension loading applications. Shear web design provides excellent performance, low-profile feature makes it ideal for applications where height is critical. Capacities from 5000 to 100,000 lb (2268.0 to 45,359.4 kg). Integral 20' (6.1m) cable.



**NEW!**



Sensortronics 65016WH Double Ended Beam, Stainless Steel ..... Page 285

Stainless steel full hermetic version of the popular 650 lb series of load cells capacities from 1000 to 75,000 lbs. Integral 25' of cable.

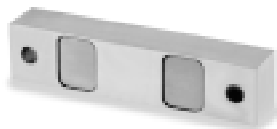


**NEW!**



HBM SB3 Single Ended Beam, Alloy Steel ..... Page 220

Universal low-profile shear beam designed for precision weight and force measurement. Excellent performance and extreme ruggedness. Its unique rectangular construction provides optimum design efficiency. Universal mounting hardware available. Capacities of 1000 to 100,000 lb (453.6 to 45,359.2 kg).



Sensortronics 65061A, Double Ended Beam, Alloy Steel ..... Page 288

This unique loading button double-ended beam has been a standard model in Fairbanks truck scales for years. This NTEP approved, zinc plated, alloy steel load cell is sealed with a potting compound that has been proven through the test of time in numerous applications. This unit is offered in capacities of 40,000 and 50,000 lb (18,143.7 to 22,679.6kg), and is affordably priced compared to other replacement cell options in the marketplace. Each unit is provided standard with 60' (18.2m) of stainless steel braided cable.



RL2200SS Mount, Stainless Steel, Hermetically Sealed ..... Page 46

The RL2200 series was released in 1998, and has quickly become one of our most popular mounts. The extremely low profile of this mount (4.75 inches overall height for a 50,000 lb version) makes it an ideal selection when height must be considered.

# Featured Products

## RL50210SS Mini Single-Ended Beam, Stainless Steel ..... Page 121



The RL50210SS was designed for low profile, single or multiple-cell weighing applications. This model features stainless steel construction, which gives it the additional protection in harsher environments and provides an opportunity to upgrade from the traditional load cell used in most similar applications. Additionally, the unit has the center gauge area protected by a hardened metal cover, which also provides added benefits compared to the traditional model. Available in capacities from 25 to 500 lb (11.3 to 226.8kg), and is provided with a 20' (6.1m) load cell cable.

## RLS1000 Button Sensor & RLS1005 High Capacity Button Sensor, Stainless Steel .... Page 163



These button-type sensors are manufactured from stainless steel, and are available in capacities from 500 to 8000 lb (226.8 to 3628.8 kg). These durable designs are specially coated to provide an accurate, cost-effective solution to very low profile force measurement applications. The RLS1005 miniature button cell is one of the smallest designs with this type of available capacities in the market. The RLS1000 is provided with 20' (6.1m) of cable, while the RLS1005 is furnished with 18" (.45m).



## Tedea-Huntleigh 220, Single Point, Stainless Steel ..... Page 327



The Model 220 is a low profile bending ring load cell designed for high capacity weighing applications including tanks, silos and high capacity platform scales. Its small physical size makes the 220 ideal for low profile weighing applications. It is constructed of stainless steel and has a fully hermetic seal to IP68 protection. Capacities range from 5,000 kg to 30,000 kg.



**NEW!**

## 220 Universal Mount, Stainless Steel ..... Page 50



The 220 Universal Mount is designed to be used with the Model 220 load cell described above. The mount incorporates built-in jacking bolts to prevent damage to the load cell during installation. It's stainless steel construction is designed to be used in the harshest of environments.



**NEW!**

## Flintec PCB Single Point, Stainless Steel, Hermetically Sealed ..... Page 205



The PCB is the first full stainless steel, hermetically sealed "brick" type of load cell on the market. This unique design provides superior protection in applications where moisture and high humidity are problems. This model features both a welded gauge cavity area, and waterproof cable entry for long-lasting performance in almost any platform scale application. Interchangeable with the industry's most popular designs, this model provides the ability to upgrade applications. Available in capacities from 50 to 1000kg, (110.2 to 2205lb), each unit including 1' (3.1m) of cable.





# Featured Products



HBM S35 S-Beam Universal, Stainless Steel ..... Page 214

The S35, Universal "S" cell is constructed in stainless steel and offer dimensional and electrical interchangeability with several load cell manufacturers. Capacities from 100 to 20,000 lbs. Each cell comes with 20' of load cell cable.



**NEW!**



HBM H35 Single Ended Beam, Stainless Steel ..... Page 215

The H35 is the latest introduction to the popular HBM beam line. The H35 offers all stainless steel construction and integral mounting foot as well as dimensional and electrical interchangeability with several load cell manufacturers. Capacities from 1000 to 5000 lbs. Each cell comes with 20' fo load cell cable.



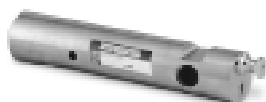
**NEW!**



Celtron PSD, Compression Disk, Alloy Steel ..... Page 190

Environmentally-protected low-profile compression disk. 5000 and 10,000 lb models can also be used in tension loading applications. Shear web design provides excellent performance, low-profile feature makes it ideal for applications where height is critical. Capacities from 2268.0 to 45,359.4 kg (5000 to 100,000 lb) . Integral 6.1m (20 ft) cable.

**NEW!**



RL75000SS Single-Ended Beam, Stainless Steel ..... Page 127

This single-ended beam is a direct replacement for the Weigh-Tronix® WeighBar. This model features full stainless steel construction, and a unique "knob" loading design. The RL75000SS provides a competitive alternative in capacities ranging from 1,250 to 37,500lb (567.0 to 17,045.5kg). Provided complete with a 20' (6.1m) load cell cable.

*Weigh-Tronix is a registered trademark of Weigh-Tronix, Inc.*

# SURVIVOR® HE Weigh Modules

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# Taking Weighing Technology to Extremes<sup>SM</sup>

## Weigh Module Survival in the Harshest Conditions... Guaranteed!



SURVIVOR® HE weigh modules offer weight-derived process and inventory control in hostile environments with up to 10 times the accuracy of other sensors. Designed for dependability, accuracy, and worry-free operation, all SURVIVOR HE models feature stainless steel construction and hermetically sealed, stainless steel load cells for the ultimate in washdown and corrosive environment protection.



### Stainless steel, hermetically sealed, IP67 or greater

- Stainless steel construction ensures corrosion resistance.
- Hermetically sealed—welded gauge cavities and cable entry seals provide moisture and mechanical protection.
- IP ratings—International Protection ratings (see page 9) of IP67 or greater ensure dust and moisture protection including submersion and washdown.

### Guaranteed Waterproof



All SURVIVOR HE weigh modules use load cells that are guaranteed waterproof. Any SURVIVOR HE load cell marked as waterproof will be repaired or replaced if moisture ingress is cited as the reason for failure. This warranty is effective for a period of two years from the date of installation or, when proper documentation of installation cannot be provided, from the date of invoice. Please refer to our Warranty on page 356 for details.

### Designed to last, the difference is in the details...



*Waterproof cable-entry systems provide long-lasting protection in any environment.*



*Laser-fused stainless steel cavity covers provide a true hermetic seal.*



*Weldless stainless steel construction retains less residue and allows fast, thorough cleaning.*

# Using International Protection (IP) Ratings to help select proper equipment for your application...

For hermetically-sealed load cells, Rice Lake Weighing Systems uses the International Protection (IP) rating system. We find the IP numbers and their definitions are suitable for the classification of hermetically-sealed load cells and only apply IP numbers to such cells. The IP numbers on a hermetically-sealed cell further specify the treatment a specific cell can endure in environments more severe than simple washdown. The following table defines the IP numbers alone and in conjunction with the hermetically-sealed rating.

Example: Protection level offered by an IP67 rated product

**IP 67**

► **Protection against solid objects**  
First number (in this case 6)

- 0 No protection
- 1 Protected from solid objects up to 50 mm (e.g., accidental touch by hands)
- 2 Protected from solid objects up to 12 mm (e.g., fingers)
- 3 Protected from solid objects more than 25 mm (e.g., tools and small wires)
- 4 Protected from solid objects more than 1 mm (e.g., small wires)
- 5 Protected from dust; limited entrance (no harmful deposit)
- 6 Totally protected from dust

► **Protection against liquids**  
Second number (in this case 7)

- 0 No protection
- 1 Protected from vertically-falling drops of water (e.g., condensation)
- 2 Protected from direct sprays of water up to 15° from vertical
- 3 Protected from direct sprays of water up to 60° from vertical
- 4 Protected from water sprayed from all directions; limited entrance allowed
- 5 Protected from low pressure jets of water from all directions; limited entrance allowed
- 6 Protected from strong jets of water (e.g., for use on ship decks); limited entrance allowed
- 7 Protected from the effects of immersion between 15cm and 1m
- 8 Protected from extended periods of immersion under pressure

**IP Numbers with Hermetically Sealed (HS) or Environmentally Protected (EP) Ratings**

| Rating  | Protection                                                                                      |
|---------|-------------------------------------------------------------------------------------------------|
| EP      | Dust proof, not protected from moisture or water                                                |
| IP65    | Dust proof, protected from splashes and low-pressure jets                                       |
| IP66    | Dust proof, protected from strong water jets                                                    |
| IP67    | Dust proof, protected from temporary immersion in water 1 meter deep for 30 minutes             |
| IP68    | Dust proof, protected from continuous immersion in water under more severe conditions than IP67 |
| IP66/68 | Dust proof, protected from strong water jets and/or constant immersion                          |

# SURVIVOR<sup>®</sup> HE Weigh Modules

## SURVIVOR ITCM HE - Stainless Steel, Hermetically Sealed Isolated Tension Cell Modules



The ITCM Series utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications and mechanical scale conversions. The SURVIVOR ITCM HE incorporates clevis and unique rod end ball joint assemblies to reduce the overall length to less than half of the traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated\* from stray currents, which are a major cause of load cell failure. To complete the design, a bonding strap connects the two clevis assemblies to further provide safety to your load cells.

Load Cell Certifications:



### *Complete Kit Includes:*

- 3 or 4 ITCM assemblies with UB1/UB6 Flintec Stainless Steel, Hermetically Sealed S-Beam load cells
- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 25' of our Hostile Environment EL147HE SURVIVOR<sup>®</sup> load cell cable

### APPLICATIONS:

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples

### STANDARD FEATURES:

- Capacities (per module): 1KN-20KN (225-4500 lb/102.1-2039.43 kg)
- Clevis mounts with nylon insulating washers
- Teflon<sup>®</sup>-lined rod end ball joints\*
- Load cell is completely isolated from stray currents\*
- Bonding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct loadcell loading even in difficult installations
- Lower overall length compared to other isolated tension assemblies
- Stainless steel, hermetically sealed load cells

Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 367.

\* Excluding 20,000 lb (9071.9 kg) capacity

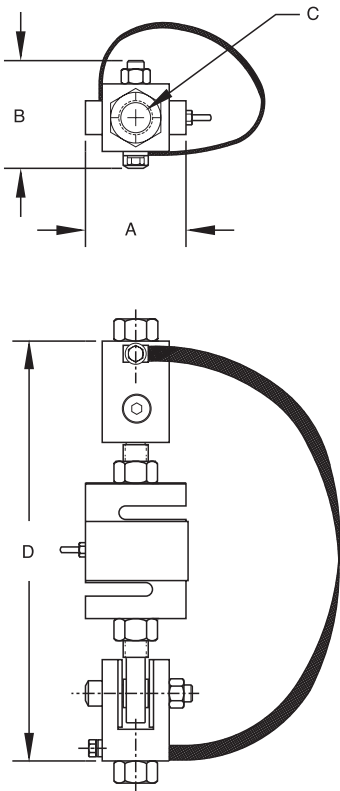
Teflon is a registered trademark of E.I. DuPont



# ITCM HE Specifications

Complete Kit!  
Compare  
& Save!

SURVIVOR Weigh Modules

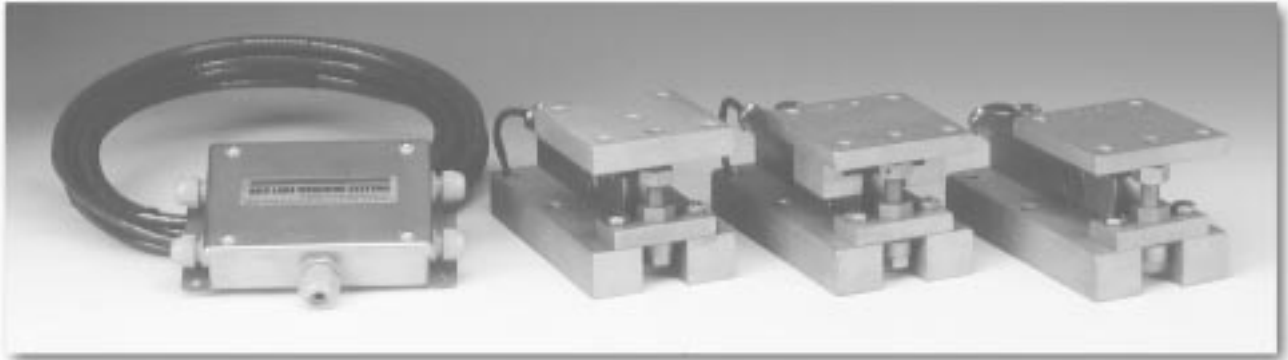


## ITCM HE ORDER INFORMATION

| * LOAD CELL CAPACITY | DIMENSIONS - INCHES (MILLIMETERS) |             |           |                     | Single Module |                      | 3-Module Kits |                      | 4-Module Kits |                      |
|----------------------|-----------------------------------|-------------|-----------|---------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|
|                      | A                                 | B           | C         | D                   | Part #        | Suggested List Price | Part #        | Suggested List Price | Part #        | Suggested List Price |
| 225 lb (102.2 kg)    | 2.42 (61.4)                       | 2.68 (68.1) | 1/2-13 NC | 8.92 (ref) (226.5)  | 53168 .....   | \$995.00             | 53363 .....   | \$3,195.00           | 53358 .....   | \$4,095.00           |
| 520 lb (236.1 kg)    | 2.42 (61.4)                       | 2.68 (68.1) | 1/2-13 NC | 8.92 (ref) (226.5)  | 53170 .....   | \$995.00             | 53364 .....   | \$3,195.00           | 53359 .....   | \$4,095.00           |
| 1125 lb (510.8 kg)   | 2.42 (61.4)                       | 2.68 (68.1) | 1/2-13 NC | 8.92 (ref) (226.5)  | 53167 .....   | \$995.00             | 53365 .....   | \$3,195.00           | 53360 .....   | \$4,095.00           |
| 2250 lb (1021.5 kg)  | 3.38 (85.9)                       | 2.68 (68.1) | 5/8-11 NC | 10.12 (ref) (257.0) | 53171 .....   | \$1,195.00           | 53366 .....   | \$3,695.00           | 53361 .....   | \$4,895.00           |
| 4500 lb (2041.2 kg)  | 3.38 (85.9)                       | 2.68 (68.1) | 3/4-10 NC | 10.12 (ref) (257.0) | 53169 .....   | \$1,395.00           | 53367 .....   | \$3,895.00           | 53362 .....   | \$5,695.00           |

# SURVIVOR® HE Weigh Modules

## Paramounts® Medium-Capacity Weigh Module Systems



Consisting of three different weigh module designs, the Paramounts system offers superior accuracy, even in applications with extreme expansion, contraction and vibration. The fixed-pin module acts as the vessel's primary reference point, enabling rotation. A single side-stop module is then paired with the fixed-pin module to permit mechanical expansion and contraction in one direction. The vessel then becomes a high-accuracy weighing system with the addition of one to six free-sliding modules. This system offers the free motion necessary to eliminate unwanted mechanical side loads, as well as the strength needed to keep the vessel in check. This gives the Paramounts system its industry-leading reputation for exceptional accuracy in unfriendly environments.

Integral jacking/shipping bolts enhance safety by preventing accidental lift-off, facilitate quick field removal of load cells and eliminate load cell damage during transportation. Matched outputs and field-replaceable cable simplify installation and enhance serviceability.

As a system, Paramounts represent the ultimate combination of convenience, accuracy and control.

Load Cell Certifications:



IP66/68

### APPLICATIONS:

- Medium-capacity, high-vibration mixers, blenders and tanks in temperature extremes
- Chemical batching/blending
- Pharmaceutical processing
- Food processing
- Petroleum refining and batching

### *Complete Kit Includes:*

- 1 EL604ETA NEMA 4X stainless steel excitation trim junction box
- 1 fixed-pin module, 1 side-stop module, and 1 or 2 free-sliding assemblies. Each module is complete with a FLINTEC SB4 or SB10 (225 and 520 lb) stainless steel hermetically-sealed load cell
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### STANDARD FEATURES:

- Capacities (per module): 225 lb-22,500 lb (1kN/102.1 kg-100kN/10,205.9 kg)
- All stainless steel construction
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Hermetically-sealed stainless steel load cells
- Load cell outputs are matched to  $\pm 0.07\%$ , minimizing maintenance costs
- Unique design allows for thermal expansion/contraction
- Low-profile, self-checking design
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique patented blind load hole technology minimizes unwanted side and eccentric loading
- Vessel is free to slide laterally on Teflon®-coated surfaces

### OPTIONAL FEATURES:

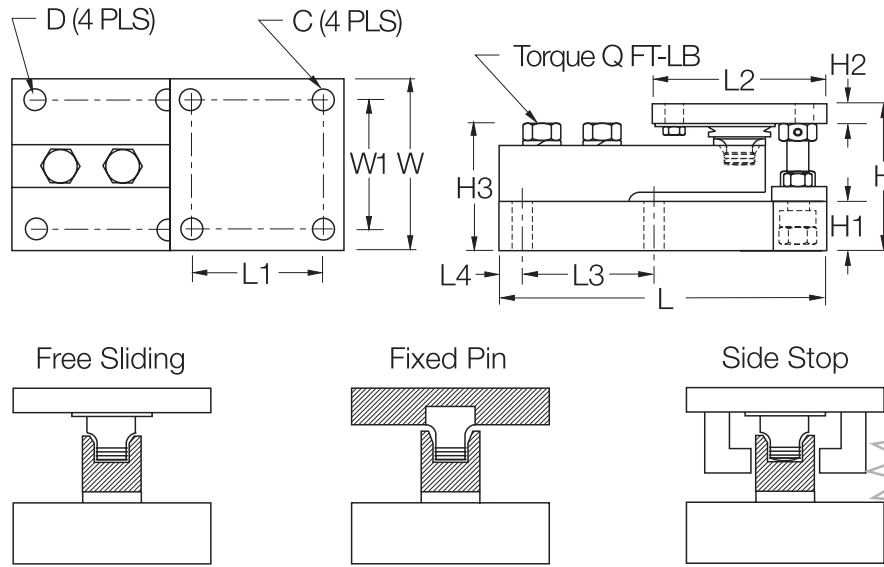
- NTEP-certified load cells available: capacities 1125-11,250 lb
- OIML-certified load cells available: capacities 1125-11,250 lb

*Teflon is a registered trademark of E.I. DuPont*

# Paramounts Stainless Steel Specifications

**Complete Kit!  
Compare  
& Save!**

**SURVIVOR Weigh Modules**



**New  
Lower Price**

| RATED<br>CAPACITY | DIMENSIONS  |      |      |       |      |      |      |       |       |       |       |       |      |       | Q        |     |
|-------------------|-------------|------|------|-------|------|------|------|-------|-------|-------|-------|-------|------|-------|----------|-----|
|                   | C           | D    | H    | H1    | *H2  | **H2 | H3   | L     | L1    | L2    | L3    | L4    | W    | W1    | (FT- LB) |     |
| lb/inches         |             |      |      |       |      |      |      |       |       |       |       |       |      |       |          |     |
| 225 - 520         | (1 - 2.3KN) | .375 | .437 | 3.49  | 1.00 | .50  | .75  | 2.98  | 7.51  | 3.00  | 4.00  | 3.00  | .50  | 4.00  | 3.00     | 65  |
| 1125 - 5200       | (5 - 23KN)  | .437 | .437 | 3.58  | 1.25 | .50  | .75  | 3.06  | 7.51  | 3.00  | 4.00  | 3.00  | .50  | 4.00  | 3.00     | 65  |
| 11,250            | (50KN)      | .562 | .562 | 4.66  | 1.50 | .62  | 1.00 | 4.09  | 9.19  | 3.87  | 5.00  | 3.87  | .56  | 5.00  | 3.87     | 295 |
| 22,500            | (100KN)     | .688 | .688 | 6.41  | 2.00 | .75  | 1.25 | 5.73  | 11.46 | 4.75  | 6.00  | 4.75  | .69  | 6.00  | 4.75     | 515 |
| kg/millimeters    |             |      |      |       |      |      |      |       |       |       |       |       |      |       |          |     |
| 102.2 - 236.1     |             | 9.5  | 11.1 | 88.6  | 25.4 | 12.7 | 19.1 | 75.7  | 190.8 | 76.2  | 101.6 | 76.2  | 12.7 | 101.6 | 76.2     |     |
| 510.8 - 2360      |             | 11.1 | 11.1 | 90.9  | 31.8 | 12.7 | 19.1 | 77.7  | 190.8 | 76.2  | 101.6 | 76.2  | 12.7 | 101.6 | 76.2     |     |
| 5107.5            |             | 14.3 | 14.3 | 118.4 | 38.1 | 15.7 | 25.4 | 103.9 | 233.4 | 98.3  | 127.0 | 98.3  | 14.2 | 127.0 | 98.3     |     |
| 10,215.0          |             | 17.5 | 17.5 | 162.8 | 50.8 | 19.1 | 31.8 | 145.5 | 291.1 | 120.7 | 152.4 | 120.7 | 17.5 | 152.4 | 120.7    |     |

KN = Kilonewtons

\*Side Stop and Free Sliding units.

\*\*Fixed Pin units.

## PARAMOUNTS NTEP/OIML ORDER INFORMATION

| Load Rating<br>(per module)        | Part #      | Suggested<br>List Price |
|------------------------------------|-------------|-------------------------|
| <b>NTEP/OIML C3 3-Module Kits:</b> |             |                         |
| 1125 lb (5KN/510.8 kg) .....       | 29883 ..... | \$3,565.00              |
| 2250 lb (10KN/1021.5 kg) .....     | 29884 ..... | \$3,565.00              |
| 5200 lb (23KN/2360.8 kg) .....     | 29885 ..... | \$3,565.00              |
| 11,250 lb (50KN/5107.5 kg) .....   | 29886 ..... | \$4,795.00              |
| <b>NTEP/OIML C3 4-Module Kits:</b> |             |                         |
| 1125 lb (5KN/510.8 kg) .....       | 29879 ..... | \$4,665.00              |
| 2250 lb (10KN/1021.5 kg) .....     | 29880 ..... | \$4,665.00              |
| 5200 lb (23KN/2360.8 kg) .....     | 29881 ..... | \$4,665.00              |
| 11,250 lb (50KN/5107.5 kg) .....   | 29882 ..... | \$6,020.00              |

## PARAMOUNTS NON-NTEP ORDER INFORMATION

| Load Rating<br>(per module)         | Part #      | Suggested<br>List Price |
|-------------------------------------|-------------|-------------------------|
| <b>Non-NTEP 3-Module Kits:</b>      |             |                         |
| 225 lb (1KN/102.2 kg) .....         | 38203 ..... | \$3,215.00              |
| 520 lb (2.3KN/236.1 kg) .....       | 38207 ..... | \$3,215.00              |
| 1125 lb (5KN/510.8 kg) .....        | 17991 ..... | \$3,365.00              |
| 2250 lb (10KN/1021.5 kg) .....      | 17992 ..... | \$3,365.00              |
| 5200 lb (23KN/2360.8 kg) .....      | 17993 ..... | \$3,365.00              |
| 11,250 lb (50KN/5107.5 kg) .....    | 17994 ..... | \$4,420.00              |
| 22,500 lb (100KN/10,215.0 kg) ..... | 17995 ..... | \$5,275.00              |
| <b>Non-NTEP 4-Module Kits:</b>      |             |                         |
| 225 lb (1KN/102.2 kg) .....         | 38204 ..... | \$4,215.00              |
| 520 lb (2.3KN/236.1 kg) .....       | 38208 ..... | \$4,215.00              |
| 1125 lb (5KN/510.8 kg) .....        | 17998 ..... | \$4,400.00              |
| 2250 lb (10KN/1021.5 kg) .....      | 17999 ..... | \$4,400.00              |
| 5200 lb (23KN/2360.8 kg) .....      | 18000 ..... | \$4,400.00              |
| 11,250 lb (50KN/5107.5 kg) .....    | 18001 ..... | \$5,525.00              |
| 22,500 lb (100KN/10,215.0 kg) ..... | 18002 ..... | \$6,925.00              |

**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**

Prices & Specifications subject to change without notice

# SURVIVOR® HE Weigh Modules

## 1700HE

### Light- to Medium-Capacity Weigh Modules



The 1700HE offers precision-machined, weldless construction to maximize pressure washdown cleaning effectiveness. This design, coupled with integral jacking/shipping bolts, eases installation and minimizes maintenance costs. OIML C3-certified load cells in capacities from 44 lb to 11,000 lb provide accurate, consistent weighments. Ideal for multi-ingredient micro-batching applications, the 1700HE provides exceptional performance in hostile environments.

The unique design of the 1700HE isolates the load cell from side loads, overloads and underloads, minimizing load cell mechanical damage and eliminating the need for extraneous hardware. The 1700HE offers a guaranteed waterproof rating to ensure reliable performance in moisture-laden environments.

### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal-trim junction box
- 3 or 4 1700HE stainless steel compression mounts
- 3 or 4 RLHBB (5-250 kg) or RLHTO (500-5000 kg) stainless steel, hermetically-sealed single-ended beam load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

Load Cell Certifications:



IP66/68



### APPLICATIONS:

- Multi-ingredient micro-batching
- Meat and poultry processing
- Chemical batching/blending
- Dye/ink blending

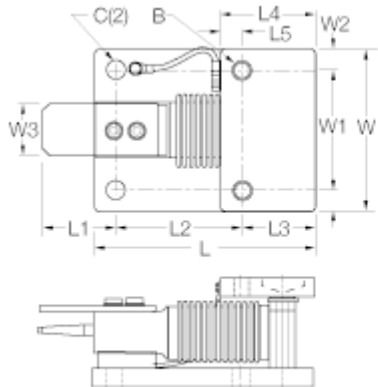
### STANDARD FEATURES:

- All stainless steel construction
- Hermetically-sealed, stainless steel load cells, IP66/68, guaranteed waterproof
- OIML-certified load cells from 44 lb to 11,000 lb
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Self-checking with lift-off/tip-over protection and jacking/shipping bolts
- Load cell is isolated from overload in all directions
- Weldless construction retains less residue and allows fast, thorough cleaning
- 2-year warranty

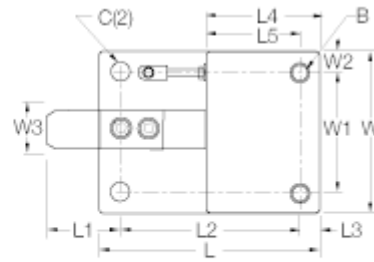
# 1700HE Specifications

**Complete Kit!  
Compare  
& Save!**

**SURVIVOR Weigh Modules**



5 kg-250 kg capacities



500 kg-5000 kg capacities

| RATED<br>CAPACITY | DIMENSIONS |          |       |       |       |      |       |      |      |      |       |      |      |      |  |
|-------------------|------------|----------|-------|-------|-------|------|-------|------|------|------|-------|------|------|------|--|
|                   | C          | B        | *H1   | **H2  | L     | L1   | L2    | L3   | L4   | L5   | W     | W1   | W2   | W3   |  |
| lb/inches         |            |          |       |       |       |      |       |      |      |      |       |      |      |      |  |
| 11-550            | .40        | 1/2-20NF | 3.15  | 3.39  | 5.20  | 2.52 | 2.99  | 1.65 | 2.20 | .55  | 3.78  | 2.76 | .51  | .98  |  |
| 1100-4400         | .78        | 3/4-10NC | 3.93  | 4.25  | 6.50  | 2.76 | 5.12  | .59  | 3.15 | 2.54 | 4.33  | 2.76 | .79  | 1.18 |  |
| 11,000            | .78        | 3/4-10NC | 5.31  | 5.63  | 8.46  | 3.19 | 6.34  | .79  | 3.56 | 2.78 | 5.91  | 3.54 | 1.18 | 1.57 |  |
| kg/millimeters    |            |          |       |       |       |      |       |      |      |      |       |      |      |      |  |
| 5-250             | 10.3       | 1/2-20NF | 80.0  | 86.1  | 132.1 | 64.0 | 76.0  | 42.0 | 56.0 | 14.0 | 96.0  | 70.0 | 13.0 | 25.0 |  |
| 500-2000          | 20.0       | 3/4-10NC | 99.8  | 108.0 | 165.0 | 70.0 | 130.0 | 15.0 | 80.0 | 64.5 | 110.0 | 70.0 | 20.0 | 30.0 |  |
| 5000              | 20.0       | 3/4-10NC | 135.0 | 143.0 | 215.0 | 81.0 | 161.0 | 20.0 | 90.0 | 70.5 | 150.0 | 90.0 | 30.0 | 40.0 |  |

\*In weighing position

\*\*In jacked-up position for load cell shipping or removal

## 1700HE SINGLE MODULE ORDER INFORMATION

| Load Rating<br>(per module)                   | Part #      | Suggested<br>List Price |
|-----------------------------------------------|-------------|-------------------------|
| <b>OIML C3-Certified Load Cells Included:</b> |             |                         |
| 5 kg (11.0 lb) .....                          | 32687 ..... | \$825.00                |
| 10 kg (22.0 lb) .....                         | 32688 ..... | \$825.00                |
| 20 kg (44.1 lb) .....                         | 32689 ..... | \$825.00                |
| 50 kg (110.2 lb) .....                        | 32690 ..... | \$825.00                |
| 100 kg (220.5 lb) .....                       | 32691 ..... | \$825.00                |
| 200 kg (440.9 lb) .....                       | 32692 ..... | \$825.00                |
| 250 kg (551.2 lb) .....                       | 32693 ..... | \$825.00                |
| 500 kg (1102.3 lb) .....                      | 32974 ..... | \$995.00                |
| 1000 kg (2204.6 lb) .....                     | 32973 ..... | \$995.00                |
| 2000 kg (4,409.2 lb) .....                    | 32972 ..... | \$995.00                |
| 5000 kg (11,023.1 lb) .....                   | 32971 ..... | \$1,225.00              |

## 1700HE KIT ORDER INFORMATION

| Load Rating<br>(per module)          | Part #      | Suggested<br>List Price |
|--------------------------------------|-------------|-------------------------|
| <b>3-Module Kits</b>                 |             |                         |
| <b>OIML C3-Certified Load Cells:</b> |             |                         |
| 5 kg (11.0 lb) .....                 | 32920 ..... | \$2,675.00              |
| 10 kg (22.0 lb) .....                | 32921 ..... | \$2,675.00              |
| 20 kg (44.1 lb) .....                | 32922 ..... | \$2,675.00              |
| 50 kg (110.2 lb) .....               | 32923 ..... | \$2,675.00              |
| 100 kg (220.5 lb) .....              | 32924 ..... | \$2,675.00              |
| 200 kg (440.9 lb) .....              | 32925 ..... | \$2,675.00              |
| 250 kg (551.2 lb) .....              | 32926 ..... | \$2,675.00              |
| 500 kg (1102.3 lb) .....             | 32980 ..... | \$3,185.00              |
| 1000 kg (2204.6 lb) .....            | 32981 ..... | \$3,185.00              |
| 2000 kg (4,409.2 lb) .....           | 32982 ..... | \$3,185.00              |
| 5000 kg (11,023.1 lb) .....          | 32983 ..... | \$3,995.00              |

### 4-Module Kits

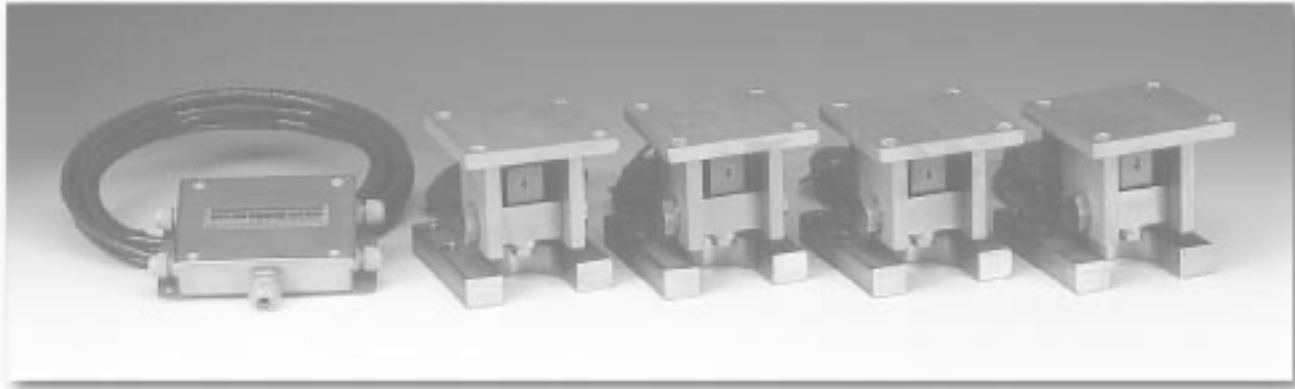
|                                      |             |            |
|--------------------------------------|-------------|------------|
| <b>OIML C3-Certified Load Cells:</b> |             |            |
| 5 kg (11.0 lb) .....                 | 32927 ..... | \$3,500.00 |
| 10 kg (22.0 lb) .....                | 32928 ..... | \$3,500.00 |
| 20 kg (44.1 lb) .....                | 32929 ..... | \$3,500.00 |
| 50 kg (110.2 lb) .....               | 32930 ..... | \$3,500.00 |
| 100 kg (220.5 lb) .....              | 32931 ..... | \$3,500.00 |
| 200 kg (440.9 lb) .....              | 32932 ..... | \$3,500.00 |
| 250 kg (551.2 lb) .....              | 32933 ..... | \$3,500.00 |
| 500 kg (1102.3 lb) .....             | 32984 ..... | \$4,180.00 |
| 1000 kg (2204.6 lb) .....            | 32985 ..... | \$4,180.00 |
| 2000 kg (4,409.2 lb) .....           | 32986 ..... | \$4,180.00 |
| 5000 kg (11,023.1 lb) .....          | 32987 ..... | \$4,895.00 |

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Prices & Specifications subject to change without notice

# SURVIVOR® HE Weigh Modules

## 1855HE Medium-Capacity Weigh Modules



The internal height adjustment feature of the 1855HE eliminates the need for shims or external hardware, simplifying installation. The standard conduit adapter allows for connection to conduit for cable protection. With standard NTEP-certified, 1:5000 division class III load cells, the 1855HE provides up to 0.02% total error. Highly versatile, the 1855HE offers worry-free operation in a wide variety of rugged applications.

Load Cell Certifications:



IP67

### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal-trim junction box
- 3 or 4 1855HE stainless steel compression mounts
- 3 or 4 RL35082 stainless steel, welded seal single-ended beam load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### **APPLICATIONS:**

- Medium-capacity hoppers, bins & tanks
- Chemical batching/blending
- Fertilizer blending

### **STANDARD FEATURES:**

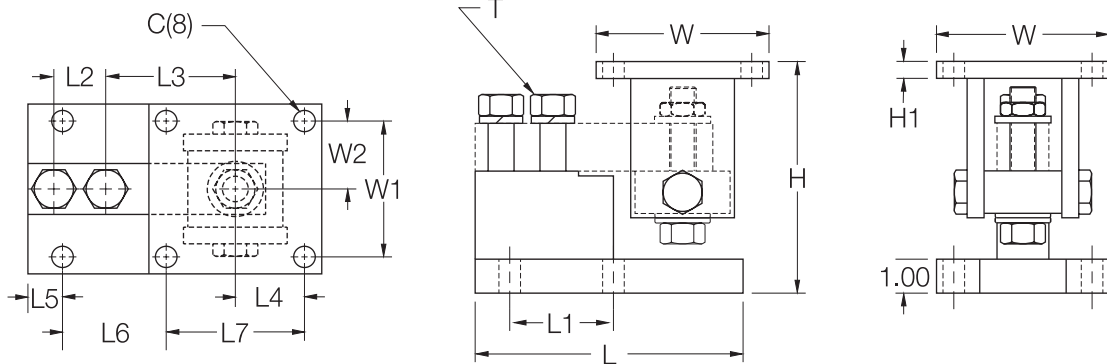
- All stainless steel construction
- Welded seal, stainless steel load cells, IP67, guaranteed waterproof
- NTEP-certified load cells, 5000d, Class III Multiple Cell
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Self-checking design with lift-off/tip-over protection
- 2-year warranty



# 1855HE Specifications

**Complete Kit!  
Compare  
& Save!**

**SURVIVOR Weigh Modules**



| RATED<br>CAPACITY | DIMENSIONS |             |      |       |      |      |      |      |      |      |       |            |       |       |      |  |
|-------------------|------------|-------------|------|-------|------|------|------|------|------|------|-------|------------|-------|-------|------|--|
|                   | C          | H MIN/MAX   | H1   | L     | L1   | L2   | L3   | L4   | L5   | L6   | L7    | T          | W     | W1    | W2   |  |
| lb/inches         |            |             |      |       |      |      |      |      |      |      |       |            |       |       |      |  |
| 1000-4000         | .62        | 5.25/5.56   | .50  | 6.00  | 2.00 | 1.00 | 3.00 | 2.00 | .68  | 1.94 | 4.00  | 1/2-13 UNC | 5.00  | 4.00  | 2.00 |  |
| 5000-10,000       | .62        | 6.12/6.62   | .50  | 7.75  | 3.00 | 1.50 | 3.75 | 2.00 | 1.03 | 2.97 | 4.00  | 3/4-10 UNC | 5.00  | 4.00  | 2.00 |  |
| kg/millimeters    |            |             |      |       |      |      |      |      |      |      |       |            |       |       |      |  |
| 453.6-1814.4      | 15.8       | 133.4/141.2 | 12.7 | 152.4 | 50.8 | 25.4 | 76.2 | 50.8 | 17.3 | 49.3 | 101.6 | 1/2-13 UNC | 127.0 | 101.6 | 50.8 |  |
| 2268.0-4535.9     | 15.8       | 155.4/168.1 | 12.7 | 196.9 | 76.2 | 38.1 | 95.3 | 50.8 | 26.2 | 75.4 | 101.6 | 3/4-10 UNC | 127.0 | 101.6 | 50.8 |  |

## 1855HE SINGLE MODULE ORDER INFORMATION

| Load Rating<br>(per module)                | Part #      | Suggested<br>List Price |
|--------------------------------------------|-------------|-------------------------|
| <b>Single Modules (Include Load Cells)</b> |             |                         |
| 1000 lb (453.6 kg) .....                   | 32975 ..... | \$895.00                |
| 2500 lb (1134.0 kg) .....                  | 32976 ..... | \$895.00                |
| 4000 lb (1814.4 kg) .....                  | 32977 ..... | \$895.00                |
| 5000 lb (2268.0 kg) .....                  | 32978 ..... | \$995.00                |
| 10,000 lb (4535.9 kg) .....                | 32979 ..... | \$995.00                |

## 1855HE KIT ORDER INFORMATION

| Load Rating<br>(per module) | Part #      | Suggested<br>List Price |
|-----------------------------|-------------|-------------------------|
| <b>3-Module Kits:</b>       |             |                         |
| 1000 lb (453.6 kg) .....    | 30390 ..... | \$2,885.00              |
| 2500 lb (1134.0 kg) .....   | 30388 ..... | \$2,885.00              |
| 4000 lb (1814.4 kg) .....   | 30386 ..... | \$2,885.00              |
| 5000 lb (2268.0 kg) .....   | 30384 ..... | \$3,185.00              |
| 10,000 lb (4535.9 kg) ..... | 30382 ..... | \$3,185.00              |
| <b>4-Module Kits:</b>       |             |                         |
| 1000 lb (453.6 kg) .....    | 30389 ..... | \$3,780.00              |
| 2500 lb (1134.0 kg) .....   | 30387 ..... | \$3,780.00              |
| 4000 lb (1814.4 kg) .....   | 30385 ..... | \$3,780.00              |
| 5000 lb (2268.0 kg) .....   | 30383 ..... | \$4,180.00              |
| 10,000 lb (4535.9 kg) ..... | 30381 ..... | \$4,180.00              |

# SURVIVOR® HE Weigh Modules

## 2100HE Heavy-Capacity Weigh Modules



Incorporating an articulating load plate, hardened load pin and double-ended beam load cell into one simple design, the 2100HE tolerates eccentric loads and side loads of up to 100% of capacity.

The 2100HE comes standard with NTEP-certified, 1:5000 division class III load cells, yielding up to 0.02% total error. An integral conduit adapter offers added washdown protection. These standard features give the 2100HE accuracy and dependability in one heavy-weight package.

The simple load introduction and load cell design provides consistent accuracy in washdown applications, making the 2100HE ideal for high-capacity hostile environments.

### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal-trim junction box
- 3 or 4 2100HE stainless steel compression mounts
- 3 or 4 RL75060 or RL75060S stainless steel, welded seal double-ended beam load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

Load Cell Certifications:



### APPLICATIONS:

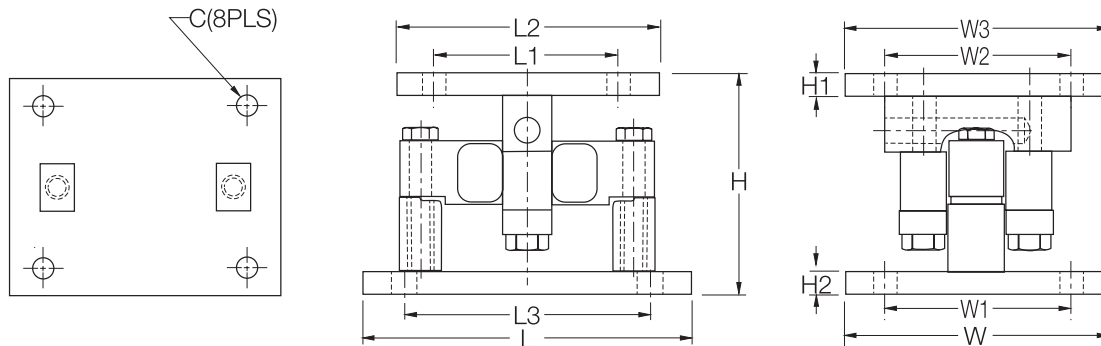
- Heavy-capacity tanks, blenders, reactors and bulk inventory management
- Petroleum refining process control
- Chemical blending/batching
- Hostile environment truck and railroad track weighing

### STANDARD FEATURES:

- All stainless steel construction
- Welded seal, stainless steel load cells, IP67, guaranteed waterproof
- NTEP-certified load cells, 5000d, Class III/10,000d, Class III/L Multiple Cell
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Self-checking design with lift-off/tip-over protection
- 2-year warranty

# 2100HE Specifications

**Complete Kit!  
Compare  
& Save!**



**SURVIVOR Weigh Modules**

| RATED CAPACITY        | C    | H     | H1   | H2   | L     | DIMENSIONS |       |       |       |       |       |       |
|-----------------------|------|-------|------|------|-------|------------|-------|-------|-------|-------|-------|-------|
|                       |      |       |      |      |       | L1         | L2    | L3    | W     | W1    | W2    | W3    |
| <b>lb/inches</b>      |      |       |      |      |       |            |       |       |       |       |       |       |
| 20,000                | .78  | 6.85  | .75  | .75  | 10.00 | 6.00       | 8.00  | 7.50  | 8.00  | 6.00  | 6.00  | 8.00  |
| 35,000-100,000        | 1.13 | 9.42  | 1.00 | 1.00 | 14.00 | 6.50       | 9.00  | 11.50 | 10.00 | 7.50  | 6.50  | 9.00  |
| <b>kg/millimeters</b> |      |       |      |      |       |            |       |       |       |       |       |       |
| 9071.9                | 19.8 | 174.0 | 19.1 | 19.1 | 254.0 | 152.4      | 203.2 | 190.5 | 203.2 | 152.4 | 152.4 | 203.2 |
| 15,875.7-45,359.2     | 28.7 | 239.3 | 25.4 | 25.4 | 355.6 | 165.1      | 228.6 | 292.1 | 254.0 | 190.5 | 165.1 | 228.6 |

## 2100HE SINGLE MODULE ORDER INFORMATION

| Load Rating<br>(per module)               | Part #      | Suggested<br>List Price |
|-------------------------------------------|-------------|-------------------------|
| <b>Single Modules (Include Load Cell)</b> |             |                         |
| 20,000 lb (9071.8 kg) .....               | 32951 ..... | \$1,445.00              |
| 25,000 lb (11,339.8 kg) .....             | 65541 ..... | \$1,445.00              |
| 35,000 lb (15,875.7 kg) .....             | 32952 ..... | \$2,110.00              |
| 50,000 lb (22,679.6 kg) .....             | 32953 ..... | \$2,190.00              |
| 60,000 lb (27,215.5 kg) .....             | 32954 ..... | \$2,190.00              |
| 75,000 lb (34,019.4 kg) .....             | 32955 ..... | \$2,190.00              |
| 100,000 lb (45,359.2 kg) .....            | 32956 ..... | \$3,685.00              |

## 2100HE KIT ORDER INFORMATION

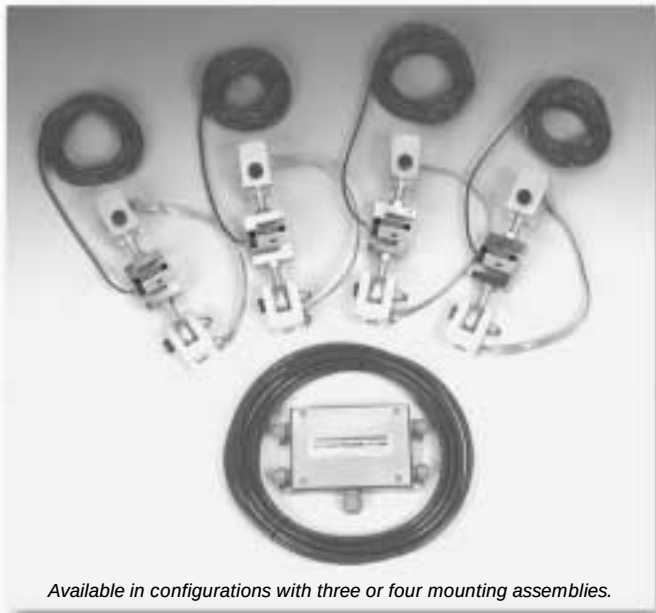
| Load Rating<br>(per module)    | Part #      | Suggested<br>List Price |
|--------------------------------|-------------|-------------------------|
| <b>3-Module Kits</b>           |             |                         |
| 20,000 lb (9071.8 kg) .....    | 32970 ..... | \$4,500.00              |
| 25,000 lb (11,339.8 kg) .....  | 65984 ..... | \$4,500.00              |
| 35,000 lb (15,875.7 kg) .....  | 32969 ..... | \$6,500.00              |
| 50,000 lb (22,679.6 kg) .....  | 32968 ..... | \$6,750.00              |
| 60,000 lb (27,215.5 kg) .....  | 32967 ..... | \$6,750.00              |
| 75,000 lb (34,019.4 kg) .....  | 32966 ..... | \$6,750.00              |
| 100,000 lb (45,359.2 kg) ..... | 32965 ..... | \$11,275.00             |
| <b>4-Module Kits</b>           |             |                         |
| 20,000 lb (9071.8 kg) .....    | 32964 ..... | \$6,000.00              |
| 25,000 lb (11,339.8 kg) .....  | 65983 ..... | \$6,000.00              |
| 35,000 lb (15,875.7 kg) .....  | 32963 ..... | \$8,600.00              |
| 50,000 lb (22,679.6 kg) .....  | 32962 ..... | \$8,900.00              |
| 60,000 lb (27,215.5 kg) .....  | 32961 ..... | \$8,900.00              |
| 75,000 lb (34,019.4 kg) .....  | 32960 ..... | \$8,900.00              |
| 100,000 lb (45,359.2 kg) ..... | 32959 ..... | \$14,900.00             |

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# Weigh Modules • Tank and Hopper Kits

## ITCM Isolated Tension Cell Modules



Available in configurations with three or four mounting assemblies.

The ITCM Series utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications and mechanical scale conversions. The ITCM incorporates clevis and unique rod end ball joint assemblies to reduce the overall length to less than half of the traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated\* from stray currents, which are a major cause of load cell failure. To complete the design, a bonding strap connects the two clevis assemblies to further provide safety to your load cells.

Load Cell Certifications:



Module with  
RL20000 S-Beam  
load cell. Refer to  
page 97 for load  
cell specifications.



### *Complete Kit Includes:*

- 3 or 4 ITCM assemblies with RL20000 NTEP-certified S-Beam load cells
- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples

### STANDARD FEATURES:

- Capacities (per module): 100-20,000 lb (45.4-9071.1 kg)
- Clevis mounts with nylon insulating washers
- Teflon®-lined rod end ball joints\*
- Load cell is completely isolated from stray currents\*
- Bonding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct load cell loading even in difficult installations
- Lower overall length compared to other isolated tension assemblies

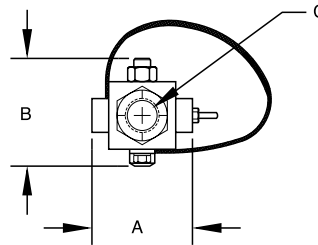
Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 367.

\* Excluding 20,000 lb (9071.9 kg) capacity

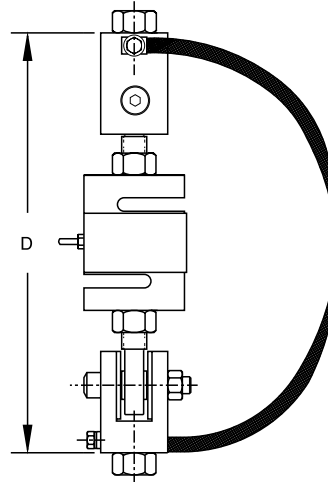
Teflon is a registered trademark of E.I. DuPont

# ITCM Specifications

**Complete Kit!  
Compare  
& Save!**



**NEW  
LOWER  
PRICES**



Weigh Modules

## ITCM ORDER INFORMATION

| * LOAD RATING<br>(LOAD CELL CAPACITY) | DIMENSIONS - INCHES (MILLIMETERS) |              |             |                     | Single Module |                      | 3-Module Kits |                      | 4-Module Kits |                      |
|---------------------------------------|-----------------------------------|--------------|-------------|---------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|
|                                       | A                                 | B            | C           | D                   | Part #        | Suggested List Price | Part #        | Suggested List Price | Part #        | Suggested List Price |
| 100 lb (45.4 kg)                      | 2.00 (50.8)                       | 1.81 (46.0)  | 3/8-16 NC   | 7.00 (ref) (177.8)  | 17851         | \$430.00             | 18003         | \$1,540.00           | 18027         | \$1,970.00           |
| 100 lb (45.4 kg)                      | 2.00 (50.8)                       | 1.81 (46.0)  | 1/2-13 NC   | 7.00 (ref) (177.8)  | 17831         | \$430.00             | 18004         | \$1,540.00           | 18028         | \$1,970.00           |
| 150 lb (68.0 kg)                      | 2.00 (50.8)                       | 1.81 (46.0)  | 3/8-16 NC   | 7.00 (ref) (177.8)  | 30337         | \$430.00             | 30357         | \$1,540.00           | 30359         | \$1,970.00           |
| 150 lb (68.0 kg)                      | 2.00 (50.8)                       | 1.81 (46.0)  | 1/2-13 NC   | 7.00 (ref) (177.8)  | 30336         | \$430.00             | 30358         | \$1,540.00           | 30360         | \$1,970.00           |
| 200 lb (90.7 kg)                      | 2.00 (50.8)                       | 1.81 (46.0)  | 3/8-16 NC   | 7.00 (ref) (177.8)  | 30335         | \$430.00             | 30361         | \$1,540.00           | 30363         | \$1,970.00           |
| 200 lb (90.7 kg)                      | 2.00 (50.8)                       | 1.81 (46.0)  | 1/2-13 NC   | 7.00 (ref) (177.8)  | 30338         | \$430.00             | 30362         | \$1,540.00           | 30364         | \$1,970.00           |
| 250 lb (113.4 kg)                     | 2.00 (50.8)                       | 1.81 (46.0)  | 3/8-16 NC   | 7.00 (ref) (177.8)  | 17852         | \$430.00             | 18005         | \$1,540.00           | 18029         | \$1,970.00           |
| 250 lb (113.4 kg)                     | 2.00 (50.8)                       | 1.81 (46.0)  | 1/2-13 NC   | 7.00 (ref) (177.8)  | 17832         | \$430.00             | 18006         | \$1,540.00           | 18030         | \$1,970.00           |
| 500 lb (226.8 kg)                     | 2.68 (68.1)                       | 2.68 (68.1)  | 1/2-13 NC   | 9.50 (ref) (241.3)  | 17853         | \$460.00             | 18007         | \$1,630.00           | 18031         | \$1,995.00           |
| 500 lb (226.8 kg)                     | 2.68 (68.1)                       | 2.68 (68.1)  | 5/8-11 NC   | 9.50 (ref) (241.3)  | 17858         | \$460.00             | 18008         | \$1,630.00           | 18032         | \$1,995.00           |
| 500 lb (226.8 kg)                     | 2.68 (68.1)                       | 2.68 (68.1)  | 3/4-10 NC   | 9.50 (ref) (241.3)  | 17833         | \$460.00             | 18009         | \$1,630.00           | 18033         | \$1,995.00           |
| 750 lb (340.2 kg)                     | 2.68 (68.1)                       | 2.68 (68.1)  | 1/2-13 NC   | 9.50 (ref) (241.3)  | 17854         | \$460.00             | 18010         | \$1,630.00           | 18034         | \$1,995.00           |
| 750 lb (340.2 kg)                     | 2.68 (68.1)                       | 2.68 (68.1)  | 5/8-11 NC   | 9.50 (ref) (241.3)  | 17859         | \$460.00             | 18011         | \$1,630.00           | 18035         | \$1,995.00           |
| 750 lb (340.2 kg)                     | 2.68 (68.1)                       | 2.68 (68.1)  | 3/4-10 NC   | 9.50 (ref) (241.3)  | 17834         | \$460.00             | 18012         | \$1,630.00           | 18036         | \$1,995.00           |
| 1000 lb (453.6 kg)                    | 2.68 (68.1)                       | 2.68 (68.1)  | 1/2-13 NC   | 9.50 (ref) (241.3)  | 17855         | \$460.00             | 18013         | \$1,630.00           | 18037         | \$1,995.00           |
| 1000 lb (453.6 kg)                    | 2.68 (68.1)                       | 2.68 (68.1)  | 5/8-11 NC   | 9.50 (ref) (241.3)  | 17860         | \$460.00             | 18014         | \$1,630.00           | 18038         | \$1,995.00           |
| 1000 lb (453.6 kg)                    | 2.68 (68.1)                       | 2.68 (68.1)  | 3/4-10 NC   | 9.50 (ref) (241.3)  | 17835         | \$460.00             | 18015         | \$1,630.00           | 18039         | \$1,995.00           |
| 1500 lb (680.4 kg)                    | 2.68 (68.1)                       | 2.68 (68.1)  | 1/2-13 NC   | 9.50 (ref) (241.3)  | 17856         | \$460.00             | 18016         | \$1,630.00           | 18040         | \$1,995.00           |
| 1500 lb (680.4 kg)                    | 2.68 (68.1)                       | 2.68 (68.1)  | 5/8-11 NC   | 9.50 (ref) (241.3)  | 17861         | \$460.00             | 18017         | \$1,630.00           | 18041         | \$1,995.00           |
| 1500 lb (680.4 kg)                    | 2.68 (68.1)                       | 2.68 (68.1)  | 3/4-10 NC   | 9.50 (ref) (241.3)  | 17836         | \$460.00             | 18018         | \$1,630.00           | 18042         | \$1,995.00           |
| 2000 lb (907.2 kg)                    | 2.68 (68.1)                       | 2.68 (68.1)  | 1/2-13 NC   | 9.50 (ref) (241.3)  | 17857         | \$460.00             | 18019         | \$1,630.00           | 18043         | \$1,995.00           |
| 2000 lb (907.2 kg)                    | 2.68 (68.1)                       | 2.68 (68.1)  | 5/8-11 NC   | 9.50 (ref) (241.3)  | 17862         | \$460.00             | 18020         | \$1,630.00           | 18044         | \$1,995.00           |
| 2000 lb (907.2 kg)                    | 2.68 (68.1)                       | 2.68 (68.1)  | 3/4-10 NC   | 9.50 (ref) (241.3)  | 17837         | \$460.00             | 18021         | \$1,630.00           | 18045         | \$1,995.00           |
| 2500 lb (1134.0 kg)                   | 2.68 (68.1)                       | 2.68 (68.1)  | 5/8-11 NC   | 9.50 (ref) (241.3)  | 17863         | \$460.00             | 18022         | \$1,630.00           | 18046         | \$1,995.00           |
| 2500 lb (1134.0 kg)                   | 2.68 (68.1)                       | 2.68 (68.1)  | 3/4-10 NC   | 9.50 (ref) (241.3)  | 17838         | \$460.00             | 18023         | \$1,630.00           | 18047         | \$1,995.00           |
| 3000 lb (1360.8 kg)                   | 3.37 (85.6)                       | 3.37 (85.6)  | 3/4-10 NC   | 12.25 (ref) (311.2) | 30339         | \$500.00             | 30365         | \$1,750.00           | 30366         | \$2,230.00           |
| 5000 lb (2268.0 kg)                   | 3.37 (85.6)                       | 3.37 (85.6)  | 3/4-10 NC   | 12.25 (ref) (311.2) | 17864         | \$675.00             | 18024         | \$2,280.00           | 18048         | \$2,950.00           |
| 5000 lb (2268.0 kg)                   | 3.37 (85.6)                       | 3.37 (85.6)  | 1-8 NC      | 12.25 (ref) (311.2) | 17839         | \$675.00             | 18025         | \$2,280.00           | 18049         | \$2,950.00           |
| 10,000 lb (4535.9 kg)                 | 3.37 (85.6)                       | 3.37 (85.6)  | 1-8 NC      | 12.25 (ref) (311.2) | 17840         | \$675.00             | 18026         | \$2,280.00           | 18050         | \$2,950.00           |
| 15,000 lb (6803.9 kg)                 | 4.00 (101.6)                      | 4.12 (104.6) | 1 1/4-7 NC  | 18.00 (ref) (457.2) | 17960         | \$1,540.00           | 30353         | \$4,975.00           | 30354         | \$6,400.00           |
| 20,000 lb (9071.9 kg)                 | 5.00 (127.0)                      | 4.12 (104.6) | 1 1/2-6 UNC | 20.00 (ref) (508.0) | 17961         | \$1,760.00           | 30355         | \$5,545.00           | 30356         | \$7,295.00           |

\* Load Rating is per module

**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**

Prices & Specifications subject to change without notice



# Weigh Modules • Tank and Hopper Kits

## ITCM SS

### Stainless Steel Isolated Tension Cell Modules



Available in configurations with three or four mounting assemblies.

The ITCM Series utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications and mechanical scale conversions. The ITCM SS incorporates clevis and unique rod end ball joint assemblies to reduce the overall length to less than half of the traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated\* from stray currents, which are a major cause of load cell failure. To complete the design, a bonding strap connects the two clevis assemblies to further provide safety to your load cells.

Load Cell Certifications:



Module with  
RL20000SS S-Beam  
load cell. Refer to  
page 98 for load  
cell specifications.



### *Complete Kit Includes:*

- 3 or 4 ITCM assemblies with RL20000SS NTEP-certified S-Beam load cells
- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples

### STANDARD FEATURES:

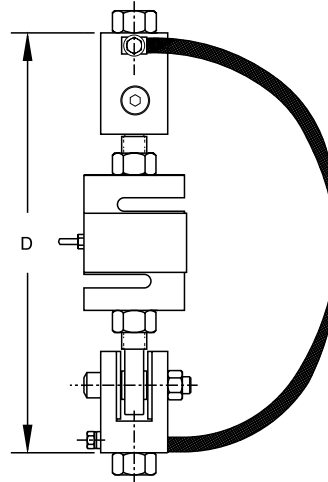
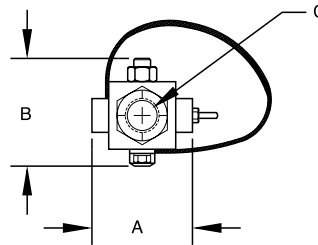
- Capacities (per module): 100-5,000 lb (45.4-2268.0 kg)
- Clevis mounts with nylon insulating washers
- Teflon®-lined rod end ball joints\*
- Load cell is completely isolated from stray currents\*
- Bonding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct load cell loading even in difficult installations
- Lower overall length compared to other isolated tension assemblies

Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 367.

Teflon is a registered trademark of E.I. DuPont

# ITCM SS Specifications

**Complete Kit!  
Compare  
& Save!**



Weigh Modules

## ITCM SS ORDER INFORMATION

| * LOAD RATING<br>(LOAD CELL CAPACITY) | DIMENSIONS - INCHES (MILLIMETERS) |             |           |                     | Single Module |                      | 3-Module Kits |                      | 4-Module Kits |                      |
|---------------------------------------|-----------------------------------|-------------|-----------|---------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|
|                                       | A                                 | B           | C         | D                   | Part #        | Suggested List Price | Part #        | Suggested List Price | Part #        | Suggested List Price |
| 100 lb (45.4 kg)                      | 2.00 (50.8)                       | 1.81 (46.0) | 3/8-16 NC | 7.00 (ref) (177.8)  | 46765 .....   | \$695.00             | 46735 .....   | \$2,295.00           | 46751 .....   | \$2,895.00           |
| 100 lb (45.4 kg)                      | 2.00 (50.8)                       | 1.81 (46.0) | 1/2-13 NC | 7.00 (ref) (177.8)  | 46766 .....   | \$695.00             | 46736 .....   | \$2,295.00           | 46752 .....   | \$2,895.00           |
| 250 lb (113.4 kg)                     | 2.00 (50.8)                       | 1.81 (46.0) | 3/8-16 NC | 7.00 (ref) (177.8)  | 46767 .....   | \$695.00             | 46737 .....   | \$2,295.00           | 46753 .....   | \$2,895.00           |
| 250 lb (113.4 kg)                     | 2.00 (50.8)                       | 1.81 (46.0) | 1/2-13 NC | 7.00 (ref) (177.8)  | 46768 .....   | \$695.00             | 46738 .....   | \$2,295.00           | 46754 .....   | \$2,895.00           |
| 500 lb (226.8 kg)                     | 2.68 (68.1)                       | 2.68 (68.1) | 1/2-13 NC | 9.50 (ref) (241.3)  | 46769 .....   | \$695.00             | 46739 .....   | \$2,295.00           | 46755 .....   | \$2,895.00           |
| 500 lb (226.8 kg)                     | 2.68 (68.1)                       | 2.68 (68.1) | 5/8-11 NC | 9.50 (ref) (241.3)  | 46770 .....   | \$695.00             | 46740 .....   | \$2,295.00           | 46756 .....   | \$2,895.00           |
| 750 lb (340.2 kg)                     | 2.68 (68.1)                       | 2.68 (68.1) | 1/2-13 NC | 9.50 (ref) (241.3)  | 46771 .....   | \$695.00             | 46741 .....   | \$2,295.00           | 46757 .....   | \$2,895.00           |
| 750 lb (340.2 kg)                     | 2.68 (68.1)                       | 2.68 (68.1) | 5/8-11 NC | 9.50 (ref) (241.3)  | 46772 .....   | \$695.00             | 46742 .....   | \$2,295.00           | 46758 .....   | \$2,895.00           |
| 1000 lb (453.6 kg)                    | 2.68 (68.1)                       | 2.68 (68.1) | 1/2-13 NC | 9.50 (ref) (241.3)  | 46773 .....   | \$695.00             | 46743 .....   | \$2,295.00           | 46759 .....   | \$2,895.00           |
| 1000 lb (453.6 kg)                    | 2.68 (68.1)                       | 2.68 (68.1) | 5/8-11 NC | 9.50 (ref) (241.3)  | 46774 .....   | \$695.00             | 46744 .....   | \$2,295.00           | 46760 .....   | \$2,895.00           |
| 2500 lb (1134.0 kg)                   | 2.68 (68.1)                       | 2.68 (68.1) | 5/8-11 NC | 9.50 (ref) (241.3)  | 46775 .....   | \$695.00             | 46745 .....   | \$2,295.00           | 46761 .....   | \$2,895.00           |
| 2500 lb (1134.0 kg)                   | 2.68 (68.1)                       | 2.68 (68.1) | 3/4-10 NC | 9.50 (ref) (241.3)  | 46776 .....   | \$695.00             | 46746 .....   | \$2,295.00           | 46762 .....   | \$2,895.00           |
| 3000 lb (1360.8 kg)                   | 3.37 (85.6)                       | 3.37 (85.6) | 3/4-10 NC | 12.25 (ref) (311.2) | 46777 .....   | \$745.00             | 46747 .....   | \$2,445.00           | 46763 .....   | \$3,095.00           |
| 5000 lb (2268.0 kg)                   | 3.37 (85.6)                       | 3.37 (85.6) | 3/4-10 NC | 12.25 (ref) (311.2) | 46778 .....   | \$1,195.00           | 46748 .....   | \$3,795.00           | 46764 .....   | \$4,995.00           |

\* Load Rating is per module

# Weigh Modules • Tank and Hopper Kits

## ITCM HE - Stainless Steel, Welded Seal

### NTEP Approved Isolated Tension Cell Modules



Available in configurations with three or four mounting assemblies.

### *Complete Kit Includes:*

- 3 or 4 ITCM assemblies with RL20001HE Stainless Steel, Welded Seal NTEP-certified S-Beam load cells
- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

The ITCM Series utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications and mechanical scale conversions. The ITCM HE incorporates clevis and unique rod end ball joint assemblies to reduce the overall length to less than half of the traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated\* from stray currents, which are a major cause of load cell failure. To complete the design, a bonding strap connects the two clevis assemblies to further provide safety to your load cells.

Load Cell Certifications:



### APPLICATIONS:

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples

### STANDARD FEATURES:

- Capacities (per module): 500-5,000 lb (226.8-2268.0 kg)
- Clevis mounts with nylon insulating washers
- Teflon®-lined rod end ball joints\*
- Load cell is completely isolated from stray currents\*
- Bonding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct load-cell loading even in difficult installations
- Lower overall length compared to other isolated tension assemblies

Module with  
RL20001HE S-Beam  
load cell. Refer to  
page 100 for load  
cell specifications.



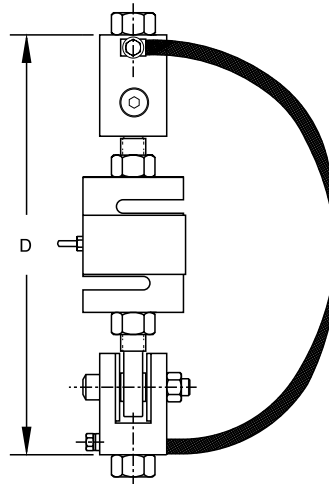
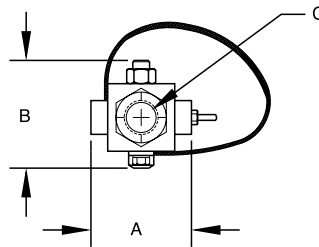
Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 367.

\* Excluding 20,000 lb (9071.9 kg) capacity

Teflon is a registered trademark of E.I. DuPont

# ITCM HE Specifications

**Complete Kit!  
Compare  
& Save!**



Weigh Modules

## ITCM HE ORDER INFORMATION

| * LOAD RATING<br>(LOAD CELL CAPACITY) | DIMENSIONS - INCHES (MILLIMETERS) |             |           |                     | Single Module |                      | 3-Module Kits |                      | 4-Module Kits |                      |
|---------------------------------------|-----------------------------------|-------------|-----------|---------------------|---------------|----------------------|---------------|----------------------|---------------|----------------------|
|                                       | A                                 | B           | C         | D                   | Part #        | Suggested List Price | Part #        | Suggested List Price | Part #        | Suggested List Price |
| 500 lb (226.8 kg)                     | 2.68 (68.1)                       | 2.68 (68.1) | 1/2-13 NC | 9.50 (ref) (241.3)  | 46599 .....   | \$880.00             | 46561 .....   | \$2,995.00           | 46580 .....   | \$3,775.00           |
| 500 lb (226.8 kg)                     | 2.68 (68.1)                       | 2.68 (68.1) | 5/8-11 NC | 9.50 (ref) (241.3)  | 46600 .....   | \$880.00             | 46562 .....   | \$2,995.00           | 46581 .....   | \$3,775.00           |
| 500 lb (226.8 kg)                     | 2.68 (68.1)                       | 2.68 (68.1) | 3/4-10 NC | 9.50 (ref) (241.3)  | 46601 .....   | \$880.00             | 46563 .....   | \$2,995.00           | 46582 .....   | \$3,775.00           |
| 750 lb (340.2 kg)                     | 2.68 (68.1)                       | 2.68 (68.1) | 1/2-13 NC | 9.50 (ref) (241.3)  | 46602 .....   | \$980.00             | 46564 .....   | \$3,195.00           | 46583 .....   | \$4,185.00           |
| 750 lb (340.2 kg)                     | 2.68 (68.1)                       | 2.68 (68.1) | 5/8-11 NC | 9.50 (ref) (241.3)  | 46603 .....   | \$980.00             | 46565 .....   | \$3,195.00           | 46584 .....   | \$4,185.00           |
| 750 lb (340.2 kg)                     | 2.68 (68.1)                       | 2.68 (68.1) | 3/4-10 NC | 9.50 (ref) (241.3)  | 46604 .....   | \$980.00             | 46566 .....   | \$3,195.00           | 46585 .....   | \$4,185.00           |
| 1000 lb (453.6 kg)                    | 2.68 (68.1)                       | 2.68 (68.1) | 1/2-13 NC | 9.50 (ref) (241.3)  | 46605 .....   | \$980.00             | 46567 .....   | \$3,195.00           | 46586 .....   | \$4,185.00           |
| 1000 lb (453.6 kg)                    | 2.68 (68.1)                       | 2.68 (68.1) | 5/8-11 NC | 9.50 (ref) (241.3)  | 46606 .....   | \$980.00             | 46568 .....   | \$3,195.00           | 46587 .....   | \$4,185.00           |
| 1000 lb (453.6 kg)                    | 2.68 (68.1)                       | 2.68 (68.1) | 3/4-10 NC | 9.50 (ref) (241.3)  | 46607 .....   | \$980.00             | 46569 .....   | \$3,195.00           | 46588 .....   | \$4,185.00           |
| 1500 lb (680.4 kg)                    | 2.68 (68.1)                       | 2.68 (68.1) | 1/2-13 NC | 9.50 (ref) (241.3)  | 46608 .....   | \$980.00             | 46570 .....   | \$3,195.00           | 46589 .....   | \$4,185.00           |
| 1500 lb (680.4 kg)                    | 2.68 (68.1)                       | 2.68 (68.1) | 5/8-11 NC | 9.50 (ref) (241.3)  | 46609 .....   | \$980.00             | 46571 .....   | \$3,195.00           | 46590 .....   | \$4,185.00           |
| 1500 lb (680.4 kg)                    | 2.68 (68.1)                       | 2.68 (68.1) | 3/4-10 NC | 9.50 (ref) (241.3)  | 46610 .....   | \$980.00             | 46572 .....   | \$3,195.00           | 46591 .....   | \$4,185.00           |
| 2000 lb (907.2 kg)                    | 2.68 (68.1)                       | 2.68 (68.1) | 1/2-13 NC | 9.50 (ref) (241.3)  | 46611 .....   | \$980.00             | 46573 .....   | \$3,195.00           | 46592 .....   | \$4,185.00           |
| 2000 lb (907.2 kg)                    | 2.68 (68.1)                       | 2.68 (68.1) | 5/8-11 NC | 9.50 (ref) (241.3)  | 46612 .....   | \$980.00             | 46574 .....   | \$3,195.00           | 46593 .....   | \$4,185.00           |
| 2000 lb (907.2 kg)                    | 2.68 (68.1)                       | 2.68 (68.1) | 3/4-10 NC | 9.50 (ref) (241.3)  | 46613 .....   | \$980.00             | 46575 .....   | \$3,195.00           | 46594 .....   | \$4,185.00           |
| 2500 lb (1134.0 kg)                   | 2.68 (68.1)                       | 2.68 (68.1) | 5/8-11 NC | 9.50 (ref) (241.3)  | 46614 .....   | \$980.00             | 46576 .....   | \$3,195.00           | 46595 .....   | \$4,185.00           |
| 2500 lb (1134.0 kg)                   | 2.68 (68.1)                       | 2.68 (68.1) | 3/4-10 NC | 9.50 (ref) (241.3)  | 46615 .....   | \$980.00             | 46577 .....   | \$3,195.00           | 46596 .....   | \$4,185.00           |
| 3000 lb (1360.8 kg)                   | 3.37 (85.6)                       | 3.37 (85.6) | 3/4-10 NC | 12.25 (ref) (311.2) | 46616 .....   | \$980.00             | 46578 .....   | \$3,195.00           | 46597 .....   | \$4,185.00           |
| 5000 lb (2268.0 kg)                   | 3.37 (85.6)                       | 3.37 (85.6) | 3/4-10 NC | 12.25 (ref) (311.2) | 46617 .....   | \$1,420.00           | 46579 .....   | \$4,525.00           | 46598 .....   | \$5,945.00           |

\* Load Rating is per module

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice

# Weigh Modules • Tank and Hopper Kits

## RL50210 TA

### 50-500 lb Capacity Mini Tank Weighing Module, Rice Lake Weighing Systems/Sensortronics



Available in configurations with three or four mounting assemblies.

The RL50210 TA Weigh Module Kit provides a cost-effective alternative for your customers' low-range weighing needs. A variety of features makes this kit easy to install and an exceptional choice for various indoor weighing applications where checking requirements are low. Environmentally protected load cells, neoprene isolation/compression mounts and other Rice Lake Weighing Systems components are the keys to this module's outstanding performance.

Load Cell Certification:



Module with RL50210 or RL50210SS cantilever beam load cell; capacities (per module): 50 lb (22.7 kg), 100 lb (45.4 kg), 150 lb (68.0 kg) and 250 lb (113.4 kg). Refer to page 120 or 121 for load cell specifications. 500 lb model features RL30000 single ended beam load cell; refer to page 102 for load cell specifications.



### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL50210 cantilever beam load cells (50-250 lb models)
- 3 or 4 RL30000 single ended beam load cells (500 lb models)
- 3 or 4 neoprene isolation/compression mounts
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Small tanks and hoppers
- Conveyor/In-motion weighing
- Small platform scales where shock loading may be a problem

### STANDARD FEATURES:

- Zinc plated, mild steel modules
- Lower weighing ranges from 50-500 lb (22.7-226.8 kg) per module
- Environmentally protected load cells
- Neoprene isolation/compression mounts allow for minor misalignment, thermal expansion and shock absorption
- Overload stop for 500 lb (226.8 kg) modules provides durability

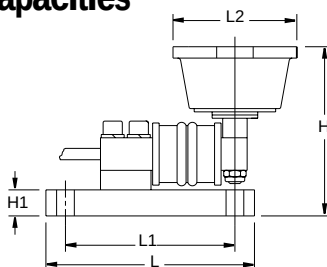
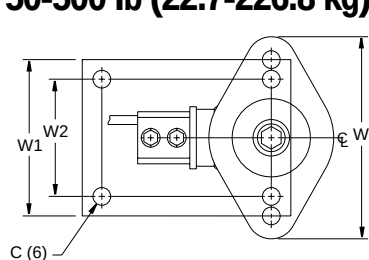
### OPTIONAL FEATURES:

- Stainless steel modules available in 50, 100, 150, 250, and 500 lb (22.7, 45.4, 68.0, 113.4, 226.8 kg) capacity with RL50210SS and RL39123 stainless steel load cells or Sensortronics 65023 SS load cells
- 65059 kits available with Sensortronics 60040 load cells, capacities: 50-250 lb (22.7-113.4 kg) or 65023 load cells, capacity: 500 lb (226.8 kg)

# RL50210 TA Specifications

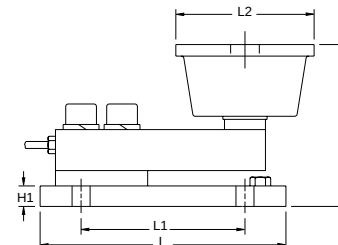
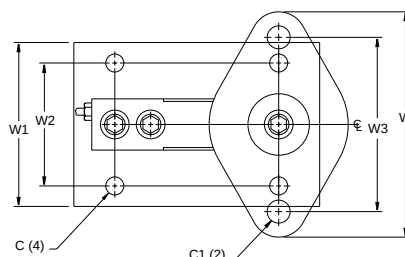
**Complete Kit!  
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& Save!**

## 50-500 lb (22.7-226.8 kg) Capacities



**STAINLESS  
UPGRADE  
NOW  
AVAILABLE**

### 50-250 lb (22.7-113.4 kg)



### 500 lb (226.8 kg)

| RATED CAPACITY        | C    | C1   | H    | H1   | DIMENSIONS |       |      | W     | W1    | W2   | W3    |
|-----------------------|------|------|------|------|------------|-------|------|-------|-------|------|-------|
| <b>lb/inches</b>      |      |      |      |      | L          | L1    | L2   |       |       |      |       |
| 50-250                | .34  | —    | 3.13 | .50  | 4.00       | 3.25  | 2.38 | 3.88  | 3.00  | 2.25 | —     |
| 500                   | .44  | .56  | 3.88 | .50  | 6.00       | 4.00  | 3.38 | 5.50  | 4.00  | 3.00 | 4.13  |
| <b>kg/millimeters</b> |      |      |      |      |            |       |      |       |       |      |       |
| 22.7-113.4            | 8.6  | —    | 79.5 | 12.7 | 101.6      | 82.6  | 60.5 | 98.6  | 76.2  | 57.2 | —     |
| 226.8                 | 11.2 | 14.2 | 98.6 | 12.7 | 152.4      | 101.6 | 85.9 | 139.7 | 101.6 | 76.2 | 104.9 |

### RL50210 TA RLWS ORDER INFORMATION

| *Load Rating<br>(Load Cell Capacity)                  | Part # | Suggested<br>List Price |
|-------------------------------------------------------|--------|-------------------------|
| <b>Mild Steel Single Module (Includes Load Cell):</b> |        |                         |
| 50 lb (22.7 kg)                                       | 17844  | \$395.00                |
| 100 lb (45.4 kg)                                      | 17845  | \$395.00                |
| 150 lb (68.0 kg)                                      | 17846  | \$395.00                |
| 250 lb (113.4 kg)                                     | 17847  | \$395.00                |
| 500 lb (226.8 kg)                                     | 17848  | \$525.00                |
| <b>Mild Steel 3-Module Kit:</b>                       |        |                         |
| 50 lb (22.7 kg)                                       | 18051  | \$1,370.00              |
| 100 lb (45.4 kg)                                      | 18052  | \$1,370.00              |
| 150 lb (68.0 kg)                                      | 18053  | \$1,370.00              |
| 250 lb (113.4 kg)                                     | 18054  | \$1,370.00              |
| 500 lb (226.8 kg)                                     | 18055  | \$1,775.00              |
| <b>Mild Steel 4-Module Kit:</b>                       |        |                         |
| 50 lb (22.7 kg)                                       | 18057  | \$1,760.00              |
| 100 lb (45.4 kg)                                      | 18058  | \$1,760.00              |
| 150 lb (68.0 kg)                                      | 18059  | \$1,760.00              |
| 250 lb (113.4 kg)                                     | 18060  | \$1,760.00              |
| 500 lb (226.8 kg)                                     | 18061  | \$2,250.00              |

|                                                            |       |            |
|------------------------------------------------------------|-------|------------|
| <b>Stainless Steel Single Module (Includes Load Cell):</b> |       |            |
| 50 lb (22.7 kg)                                            | 63033 | \$610.00   |
| 100 lb (45.4 kg)                                           | 63034 | \$610.00   |
| 150 lb (68.0 kg)                                           | 63035 | \$610.00   |
| 250 lb (113.4 kg)                                          | 63036 | \$610.00   |
| 500 lb (226.8 kg)                                          | 17954 | \$610.00   |
| <b>Stainless Steel 3-Module Kit:</b>                       |       |            |
| 500 lb (226.8 kg)                                          | 30394 | \$2,020.00 |
| <b>Stainless Steel 4-Module Kit:</b>                       |       |            |
| 500 lb (226.8 kg)                                          | 30393 | \$2,650.00 |

\*Load Rating is per module.

### 65059 SENSORTRONICS ORDER INFORMATION

| *Load Rating<br>(Load Cell Capacity)                  | Part # | Suggested<br>List Price |
|-------------------------------------------------------|--------|-------------------------|
| <b>Mild Steel Single Module (Includes Load Cell):</b> |        |                         |
| 50 lb (22.7 kg)                                       | 17825  | \$395.00                |
| 100 lb (45.4 kg)                                      | 17826  | \$395.00                |
| 150 lb (68.0 kg)                                      | 17827  | \$395.00                |
| 250 lb (113.4 kg)                                     | 17828  | \$395.00                |
| 500 lb (226.8 kg)                                     | 17829  | \$525.00                |
| <b>Mild Steel 3-Module Kit:</b>                       |        |                         |
| 50 lb (22.7 kg)                                       | 18063  | \$1,370.00              |
| 100 lb (45.4 kg)                                      | 18064  | \$1,370.00              |
| 150 lb (68.0 kg)                                      | 18065  | \$1,370.00              |
| 250 lb (113.4 kg)                                     | 18066  | \$1,370.00              |
| 500 lb (226.8 kg)                                     | 18067  | \$1,775.00              |
| <b>Mild Steel 4-Module Kit:</b>                       |        |                         |
| 50 lb (22.7 kg)                                       | 18069  | \$1,760.00              |
| 100 lb (45.4 kg)                                      | 18070  | \$1,760.00              |
| 150 lb (68.0 kg)                                      | 18071  | \$1,760.00              |
| 250 lb (113.4 kg)                                     | 18072  | \$1,760.00              |
| 500 lb (226.8 kg)                                     | 18073  | \$2,250.00              |

|                                                            |       |            |
|------------------------------------------------------------|-------|------------|
| <b>Stainless Steel Single Module (Includes Load Cell):</b> |       |            |
| 500 lb (226.8 kg)                                          | 17950 | \$610.00   |
| <b>Stainless Steel 3-Module Kit:</b>                       |       |            |
| 500 lb (226.8 kg)                                          | 30392 | \$2,020.00 |
| <b>Stainless Steel 4-Module Kit:</b>                       |       |            |
| 500 lb (226.8 kg)                                          | 30391 | \$2,650.00 |

# Weigh Modules • Tank and Hopper Kits

## RL50210 TA

### 1000-2500 lb Capacity Mini Tank Weighing Module, Rice Lake Weighing Systems/Sensortronics



Available in configurations with three or four mounting assemblies.

The RL50210 TA Weigh Module Kit provides a cost-effective alternative for your customers' medium-range weighing needs. A variety of features makes this kit easy to install and an exceptional choice for various indoor weighing applications where checking requirements are low. Environmentally protected load cells, neoprene isolation/compression mounts and other Rice Lake Weighing Systems components are the keys to this module's performance.

Load Cell Certifications:



Module with RL30000 single-ended shear beam load cell; capacities (per module): NTEP-certified 1000 lb (453.6 kg) load cell shown. Refer to page 102 for load cell specifications.



### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL30000 shear beam load cells
- 3 or 4 neoprene isolation/compression mounts
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Small tanks and hoppers
- Conveyor/In-motion weighing
- Small platform scales where shock loading may be a problem

### STANDARD FEATURES:

- NTEP-certified load cells (alloy steel only), 1:5000d, Class III Multiple Cell
- Zinc plated, mild steel assemblies
- Medium weighing ranges from 1000-2500 lb (453.6-1134.0 kg) per module
- Environmentally protected load cells
- Neoprene isolation/compression mounts allow for minor misalignment, thermal expansion and shock absorption
- Overload stop provides durability
- RL50210 stainless steel mounts use RL35023S stainless steel load cells, capacities: 1000-2500 lb (453.6-1134.0 kg) NTEP cells.
- 65059 stainless steel mounts use Sensortronics 65023 stainless steel load cells.

### OPTIONAL FEATURES:

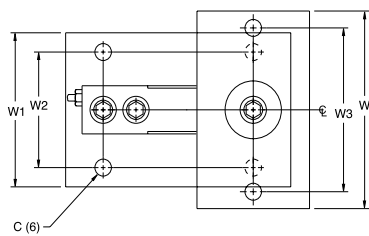
- Welded stainless steel cells available in stainless steel mounts. Consult factory.



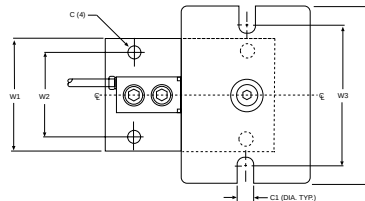
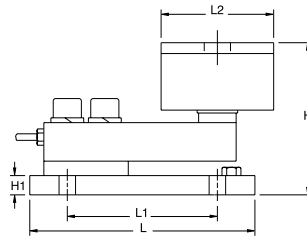
# RL50210 TA Specifications

**Complete Kit!  
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& Save!**

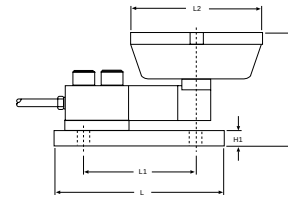
## 1000-2500 lb (453.6-1134.0 kg) Capacities



1000 lb (453.6 kg)



2000 lb-2500 lb (907.2 kg-1134.0 kg)



| RATED<br>CAPACITY     | DIMENSIONS |      |       |      |       |       |       |       |       |      |       |
|-----------------------|------------|------|-------|------|-------|-------|-------|-------|-------|------|-------|
|                       | C          | C1   | H     | H1   | L     | L1    | L2    | W     | W1    | W2   | W3    |
| <b>lb/inches</b>      |            |      |       |      |       |       |       |       |       |      |       |
| 1000                  | .44        | —    | 4.00  | .50  | 6.00  | 4.00  | 3.00  | 5.13  | 4.00  | 3.00 | 4.13  |
| 2000-2500             | .44        | .56  | 4.00  | .50  | 6.00  | 4.00  | 4.62  | 6.25  | 4.00  | 3.00 | 5.00  |
| <b>kg/millimeters</b> |            |      |       |      |       |       |       |       |       |      |       |
| 453.6                 | 11.2       | —    | 101.6 | 12.7 | 152.4 | 101.6 | 76.2  | 130.3 | 101.6 | 76.2 | 104.9 |
| 907.2-1134.0          | 11.2       | 14.2 | 101.6 | 12.7 | 152.4 | 101.6 | 117.3 | 158.8 | 101.6 | 76.2 | 127.0 |

### RL50210 TA ORDER INFORMATION

| * Load Rating<br>(Load Cell Capacity)                      | Part # | Suggested<br>List Price |
|------------------------------------------------------------|--------|-------------------------|
| <b>Mild Steel Single Module (Includes Load Cell):</b>      |        |                         |
| 1000 lb (453.6 kg)                                         | 17849  | \$525.00                |
| 2000 lb (907.2 kg)                                         | 17948  | \$525.00                |
| 2500 lb (1134.0 kg)                                        | 17949  | \$525.00                |
| <b>Mild Steel 3-Module Kit:</b>                            |        |                         |
| 1000 lb (453.6 kg)                                         | 18056  | \$1,775.00              |
| 2000 lb (907.2 kg)                                         | 30398  | \$1,775.00              |
| 2500 lb (1134.0 kg)                                        | 30396  | \$1,775.00              |
| <b>Mild Steel 4-Module Kit:</b>                            |        |                         |
| 1000 lb (453.6 kg)                                         | 18062  | \$2,275.00              |
| 2000 lb (907.2 kg)                                         | 30397  | \$2,275.00              |
| 2500 lb (1134.0 kg)                                        | 30395  | \$2,275.00              |
| <b>Stainless Steel Single Module (Includes Load Cell):</b> |        |                         |
| 1000 lb (453.6 kg)                                         | 17955  | \$610.00                |
| 2000 lb (907.2 kg)                                         | 17956  | \$610.00                |
| 2500 lb (1134.0 kg)                                        | 17957  | \$610.00                |
| <b>Stainless Steel 3-Module Kit:</b>                       |        |                         |
| 1000 lb (453.6 kg)                                         | 30404  | \$2,020.00              |
| 2000 lb (907.2 kg)                                         | 30402  | \$2,020.00              |
| 2500 lb (1134.0 kg)                                        | 30400  | \$2,020.00              |
| <b>Stainless Steel 4-Module Kit:</b>                       |        |                         |
| 1000 lb (453.6 kg)                                         | 30403  | \$2,650.00              |
| 2000 lb (907.2 kg)                                         | 30401  | \$2,650.00              |
| 2500 lb (1134.0 kg)                                        | 30399  | \$2,650.00              |

### 65059 SENSORTRONICS ORDER INFORMATION

| * Load Rating<br>(Load Cell Capacity)                      | Part # | Suggested<br>List Price |
|------------------------------------------------------------|--------|-------------------------|
| <b>Mild Steel Single Module (Includes Load Cell):</b>      |        |                         |
| 1000 lb (453.6 kg)                                         | 17830  | \$525.00                |
| 2000 lb (907.2 kg)                                         | 17946  | \$525.00                |
| 2500 lb (1134.0 kg)                                        | 17947  | \$525.00                |
| <b>Mild Steel 3-Module Kit:</b>                            |        |                         |
| 1000 lb (453.6 kg)                                         | 18068  | \$1,775.00              |
| 2000 lb (907.2 kg)                                         | 30413  | \$1,775.00              |
| 2500 lb (1134.0 kg)                                        | 30412  | \$1,775.00              |
| <b>Mild Steel 4-Module Kit:</b>                            |        |                         |
| 1000 lb (453.6 kg)                                         | 18074  | \$2,275.00              |
| 2000 lb (907.2 kg)                                         | 30414  | \$2,275.00              |
| 2500 lb (1134.0 kg)                                        | 30411  | \$2,275.00              |
| <b>Stainless Steel Single Module (Includes Load Cell):</b> |        |                         |
| 1000 lb (453.6 kg)                                         | 17951  | \$610.00                |
| 2000 lb (907.2 kg)                                         | 17952  | \$610.00                |
| 2500 lb (1134.0 kg)                                        | 17953  | \$610.00                |
| <b>Stainless Steel 3-Module Kit:</b>                       |        |                         |
| 1000 lb (453.6 kg)                                         | 30410  | \$2,020.00              |
| 2000 lb (907.2 kg)                                         | 30408  | \$2,020.00              |
| 2500 lb (1134.0 kg)                                        | 30406  | \$2,020.00              |
| <b>Stainless Steel 4-Module Kit:</b>                       |        |                         |
| 1000 lb (453.6 kg)                                         | 30409  | \$2,650.00              |
| 2000 lb (907.2 kg)                                         | 30407  | \$2,650.00              |
| 2500 lb (1134.0 kg)                                        | 30405  | \$2,650.00              |

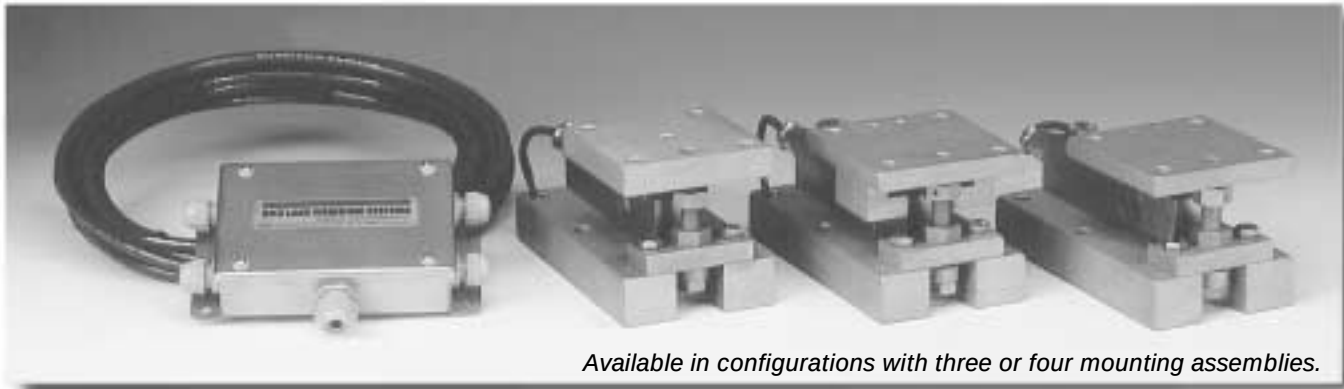
\* Load Rating is per module.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice

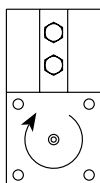
# Weigh Modules • Tank and Hopper Kits

## Paramounts® EP (Environmentally-Protected Load Cells) Mild Steel, Light- to Medium-Capacity Tank Weighing Systems

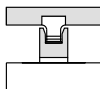


The Paramounts EP system offers all the design advantages of the Paramounts system in applications where the extensive sealing of the SB4 load cell is not necessary. Paramounts EP provides a low-cost alternative for the superior mechanical loading system found in the standard Paramounts. Economy and performance are in one complete weighing system.

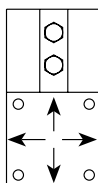
Load Cell Certifications:



A: FIXED PIN



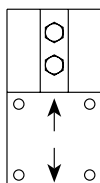
Fixed-Pin Mount



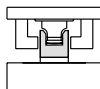
B: FREE SLIDING



Free-Sliding Mount



C: SIDE STOP



Side-Stop Mount

*Free-Sliding Module with Flintec SB5 bending beam load cell. Refer to page 200 for load cell specifications.*



### Complete Kit Includes:

- 1 EL604ETA NEMA 4X stainless steel excitation trim junction box
- 1 fixed-pin module, 1 side-stop module, and 1 or 2 free-sliding assemblies. Each module is complete with a FLINTEC SB5 NTEP-certified 1:5000d, Class III, stainless steel environmentally-protected load cell
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Light- to medium-capacity tanks and hoppers
- High-vibration mixers and blenders
- Process measurement and control

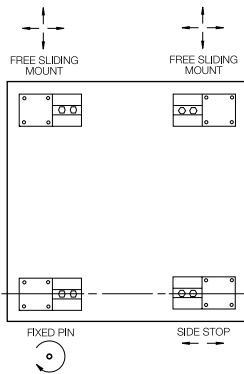
### STANDARD FEATURES:

- Capacities (per module): 1125 lb-22,500 lb (1kN/102.1 kg-100kN/10,205.9 kg)
- NTEP-certified load cells
- Unique design allows for thermal expansion/contraction
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique blind load hole eliminates unwanted side and eccentric loads
- Vessel is free to slide laterally on Teflon®-coated surfaces
- Load cell outputs are matched to  $\pm 0.07\%$  allowing replacement without further calibration

*Teflon is a registered trademark of E.I. DuPont*

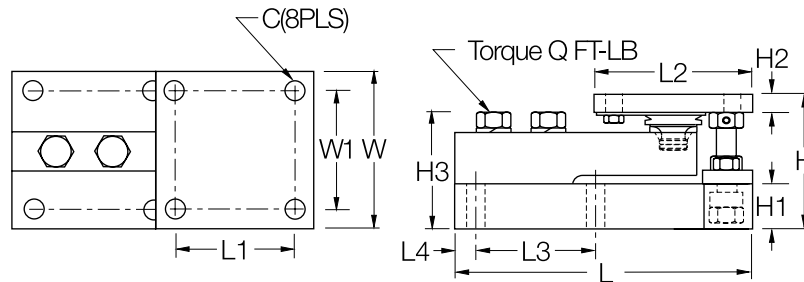
# Paramounts EP Specifications

**Complete Kit!  
Compare  
& Save!**



## VESSEL ARRANGEMENT

When arranged as illustrated, the vessel is fixed at one corner but is able to slide freely as indicated. This ensures that there is minimal side loading on the cells and at the same time the vessel is self-checking. The unique, patented blind load hole technology used in these mounts introduces the load at the neutral axis of the load cell which helps minimize the effects of side loads.



| RATED CAPACITY         | C    | H     | H1   | *H2  | **H2 | H3    | L     | L1    | L2    | L3    | L4   | W     | W1    | Q (FT-LB) |
|------------------------|------|-------|------|------|------|-------|-------|-------|-------|-------|------|-------|-------|-----------|
| <b>lb/inches</b>       |      |       |      |      |      |       |       |       |       |       |      |       |       |           |
| 1125 - 5200 (5 - 23KN) | .437 | 3.58  | 1.25 | .50  | .75  | 3.06  | 7.51  | 3.00  | 4.00  | 3.00  | .50  | 4.00  | 3.00  | 65        |
| 11,250 (50KN)          | .562 | 4.66  | 1.50 | .62  | 1.00 | 4.09  | 9.19  | 3.87  | 5.00  | 3.87  | .56  | 5.00  | 3.87  | 295       |
| 22,500 (100KN)         | .688 | 6.41  | 2.00 | .75  | 1.25 | 5.73  | 11.46 | 4.75  | 6.00  | 4.75  | .69  | 6.00  | 4.75  | 515       |
| <b>kg/millimeters</b>  |      |       |      |      |      |       |       |       |       |       |      |       |       |           |
| 510.8 - 2360           | 11.1 | 90.9  | 31.8 | 12.7 | 19.1 | 77.7  | 190.8 | 76.2  | 101.6 | 76.2  | 12.7 | 101.6 | 76.2  |           |
| 5107.5                 | 14.3 | 118.4 | 38.1 | 15.7 | 25.4 | 103.9 | 233.4 | 98.3  | 127.0 | 98.3  | 14.2 | 127.0 | 98.3  |           |
| 10,215.0               | 17.5 | 162.8 | 50.8 | 19.1 | 31.8 | 145.5 | 291.1 | 120.7 | 152.4 | 120.7 | 17.5 | 152.4 | 120.7 |           |

KN = Kilonewtons. 1 KN = 224.8089 lb

\*Side Stop and Free Sliding units.

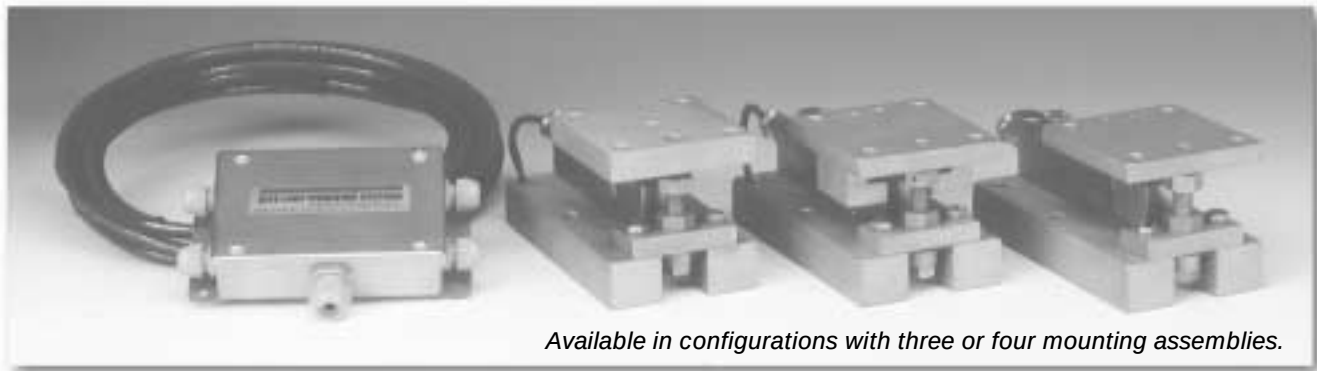
\*\*Fixed Pin units.

## PARAMOUNTS EP MILD STEEL ORDER INFORMATION

| Load Rating (per module)         | Part #      | Suggested List Price |
|----------------------------------|-------------|----------------------|
| <b>NTEP 3-Module Kits:</b>       |             |                      |
| 1125 lb (5KN/510.8 kg) .....     | 33683 ..... | \$1,995.00           |
| 2250 lb (10KN/1021.5 kg) .....   | 33682 ..... | \$1,995.00           |
| 4500 lb (20KN/2041.2 kg) .....   | 33681 ..... | \$1,995.00           |
| 11,250 lb (50KN/5107.5 kg) ..... | 33680 ..... | \$2,195.00           |
| <b>NTEP 4-Module Kits:</b>       |             |                      |
| 1125 lb (5KN/510.8 kg) .....     | 33678 ..... | \$2,665.00           |
| 2250 lb (10KN/1021.5 kg) .....   | 33677 ..... | \$2,665.00           |
| 4500 lb (20KN/2041.2 kg) .....   | 33676 ..... | \$2,665.00           |
| 11,250 lb (50KN/5107.5 kg) ..... | 33675 ..... | \$3,395.00           |
| <b>Non-NTEP 3-Module Kit:</b>    |             |                      |
| 22,500 lb (100KN/10,205.8 kg) .  | 33679 ..... | \$2,925.00           |
| <b>Non-NTEP 4-Module Kit:</b>    |             |                      |
| 22,500 lb (100KN/10,215.0 kg) .  | 33674 ..... | \$4,150.00           |

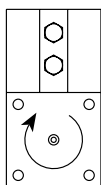
# Weigh Modules • Tank and Hopper Kits

## Paramounts® HS (Hermetically Sealed Load Cells) Mild Steel, Light- to Medium-Capacity Tank Weighing Systems

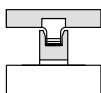


The Paramounts tank weighing system consists of one fixed-pin mount which allows only the top plate to rotate, one side-stop mount which allows the top plate to slide along the cell only, and one or more free-sliding mount(s) which allow the top plate to slide freely in all directions. This system provides self checking in applications of extreme temperature fluctuations and vibration while maintaining unparalleled system accuracy.

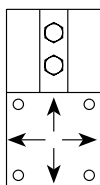
Load Cell Certifications:



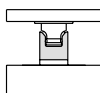
A: FIXED PIN



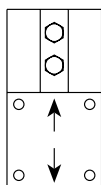
Fixed-Pin Mount



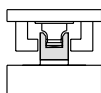
B: FREE SLIDING



Free-Sliding Mount



C: SIDE STOP



Side-Stop Mount

Free-Sliding Module with Flintec  
SB4 bending beam load cell.  
Refer to page 199 for load  
cell specifications.



### Complete Kit Includes:

- 1 EL604ETA NEMA 4X stainless steel excitation trim junction box
- 1 fixed-pin module, 1 side-stop module, and 1 or 2 free-sliding assemblies. Each module is complete with a FLINTEC SB4 or SB10 stainless steel hermetically-sealed load cell
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Light- to medium-capacity tanks and hoppers
- High-vibration mixers and blenders
- Process measurement and control

### STANDARD FEATURES:

- Capacities (per module): 225 lb-22,500 lb (1KN/102.1 kg-100KN/10,205.9 kg)
- Unique design allows for thermal expansion/contraction
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique blind load hole eliminates unwanted side and eccentric loads
- Vessel is free to slide laterally on Teflon®-coated surfaces
- Load cell outputs are matched to  $\pm 0.07\%$ , allowing replacement without further calibration

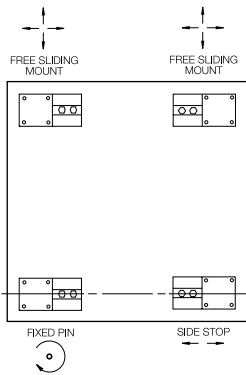
### OPTIONAL FEATURES:

- NTEP-certified load cells available: capacities 1125-11,250 lb

Teflon is a registered trademark of E.I. DuPont

# Paramounts HS Specifications

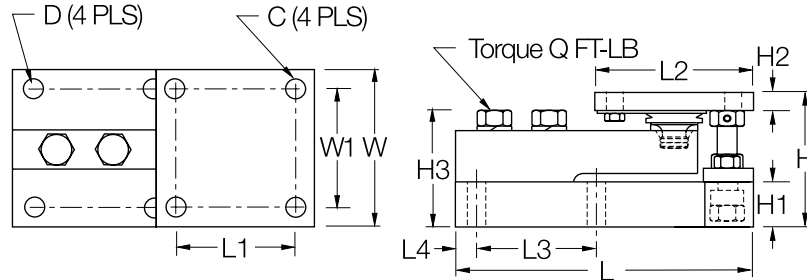
**Complete Kit!  
Compare  
& Save!**



**Prices  
Reduced!**

## VESSEL ARRANGEMENT

When arranged as illustrated, the vessel is fixed at one corner but is able to slide freely as indicated. This ensures that there is minimal side loading on the cells and at the same time the vessel is self-checking. The unique, patented blind load hole technology used in these mounts introduces the load at the neutral axis of the load cell which helps minimize the effects of side loads.



| RATED CAPACITY        |             | C    | D    | H     | H1   | *H2  | **H2 | H3    | L     | L1    | L2    | L3    | L4   | W     | W1    | Q (FT-LB) |
|-----------------------|-------------|------|------|-------|------|------|------|-------|-------|-------|-------|-------|------|-------|-------|-----------|
| <b>lb/inches</b>      |             |      |      |       |      |      |      |       |       |       |       |       |      |       |       |           |
| 225 - 520             | (1 - 2.3KN) | .375 | .437 | 3.49  | 1.00 | .50  | .75  | 2.98  | 7.51  | 3.00  | 4.00  | 3.00  | .50  | 4.00  | 3.00  | 65        |
| 1125 - 5200           | (5 - 23KN)  | .437 | .437 | 3.58  | 1.25 | .50  | .75  | 3.06  | 7.51  | 3.00  | 4.00  | 3.00  | .50  | 4.00  | 3.00  | 65        |
| 11,250                | (50KN)      | .562 | .562 | 4.66  | 1.50 | .62  | 1.00 | 4.09  | 9.19  | 3.87  | 5.00  | 3.87  | .56  | 5.00  | 3.87  | 295       |
| 22,500                | (100KN)     | .688 | .688 | 6.41  | 2.00 | .75  | 1.25 | 5.73  | 11.46 | 4.75  | 6.00  | 4.75  | .69  | 6.00  | 4.75  | 515       |
| <b>kg/millimeters</b> |             |      |      |       |      |      |      |       |       |       |       |       |      |       |       |           |
| 102.2 - 236.1         |             | 9.5  | 11.1 | 88.6  | 25.4 | 12.7 | 19.1 | 75.7  | 190.8 | 76.2  | 101.6 | 76.2  | 12.7 | 101.6 | 76.2  |           |
| 510.8 - 2360          |             | 11.1 | 11.1 | 90.9  | 31.8 | 12.7 | 19.1 | 77.7  | 190.8 | 76.2  | 101.6 | 76.2  | 12.7 | 101.6 | 76.2  |           |
| 5107.5                |             | 14.3 | 14.3 | 118.4 | 38.1 | 15.7 | 25.4 | 103.9 | 233.4 | 98.3  | 127.0 | 98.3  | 14.2 | 127.0 | 98.3  |           |
| 10,215.0              |             | 17.5 | 17.5 | 162.8 | 50.8 | 19.1 | 31.8 | 145.5 | 291.1 | 120.7 | 152.4 | 120.7 | 17.5 | 152.4 | 120.7 |           |

KN = Kilonewtons. 1 KN = 224.8089 lb

\*Side Stop and Free Sliding units.

\*\*Fixed Pin units.

## PARAMOUNTS HS MILD STEEL ORDER INFORMATION

| Load Rating<br>(per module)         | Part #      | Suggested<br>List Price |
|-------------------------------------|-------------|-------------------------|
| <b>NTEP 3-Module Kits</b>           |             |                         |
| 1125 lb (5KN/510.8 kg) .....        | 29871 ..... | \$2,895.00              |
| 2250 lb (10KN/1021.5 kg) .....      | 29872 ..... | \$2,895.00              |
| 5200 lb (23KN/2360.8 kg) .....      | 29873 ..... | \$2,895.00              |
| 11,250 lb (50KN/5107.5 kg) .....    | 29874 ..... | \$3,510.00              |
| <b>NTEP 4-Module Kits</b>           |             |                         |
| 1125 lb (5KN/510.8 kg) .....        | 29875 ..... | \$3,795.00              |
| 2250 lb (10KN/1021.5 kg) .....      | 29876 ..... | \$3,795.00              |
| 5200 lb (23KN/2360.8 kg) .....      | 29877 ..... | \$3,795.00              |
| 11,250 lb (50KN/5107.5 kg) .....    | 29878 ..... | \$4,595.00              |
| <b>Non-NTEP 3-Module Kits</b>       |             |                         |
| 225 lb (1KN/102.2 kg) .....         | 38201 ..... | \$2,695.00              |
| 520 lb (2.3KN/236.1 kg) .....       | 38205 ..... | \$2,695.00              |
| 1125 lb (5KN/510.8 kg) .....        | 17977 ..... | \$2,695.00              |
| 2250 lb (10KN/1021.5 kg) .....      | 17978 ..... | \$2,695.00              |
| 5200 lb (23KN/2360.8 kg) .....      | 17979 ..... | \$2,695.00              |
| 11,250 lb (50KN/5107.5 kg) .....    | 17980 ..... | \$3,145.00              |
| 22,500 lb (100KN/10,215.0 kg) ..... | 17981 ..... | \$3,800.00              |
| <b>Non-NTEP 4-Module Kits</b>       |             |                         |
| 225 lb (1KN/102.2 kg) .....         | 38202 ..... | \$3,525.00              |
| 520 lb (2.3KN/236.1 kg) .....       | 38206 ..... | \$3,525.00              |
| 1125 lb (5KN/510.8 kg) .....        | 17984 ..... | \$3,525.00              |
| 2250 lb (10KN/1021.5 kg) .....      | 17985 ..... | \$3,525.00              |
| 5200 lb (23KN/2360.8 kg) .....      | 17986 ..... | \$3,525.00              |
| 11,250 lb (50KN/5107.5 kg) .....    | 17987 ..... | \$4,095.00              |
| 22,500 lb (100KN/10,215.0 kg) ..... | 17988 ..... | \$4,975.00              |

Conduit Adapter suitable for Flintec SB4 load cell:  
Part Number: 17703  
Sugg. List Price: \$18.00

**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**

Prices & Specifications subject to change without notice

# Weigh Modules • Tank and Hopper Kits

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## RLBTM

### Mild Steel/Stainless Steel Weigh Modules



*\*Does not include load cell.*

The new RLBTM mount was specifically created to take advantage of the improved load introduction accuracy of the ball and cup design. This multi-purpose mount is ideal for both indoor and outdoor applications, and can be used with a variety of single-ended beam load cells. Available in both mild and stainless steel material, this product offers superior accuracy at an affordable price. These assemblies are also quick and easy to install, making the RLBTM the perfect choice for your low-capacity, multi-purpose weighing needs.

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#### APPLICATIONS:

- Light- to medium-capacity tanks and hoppers
- Conveyors

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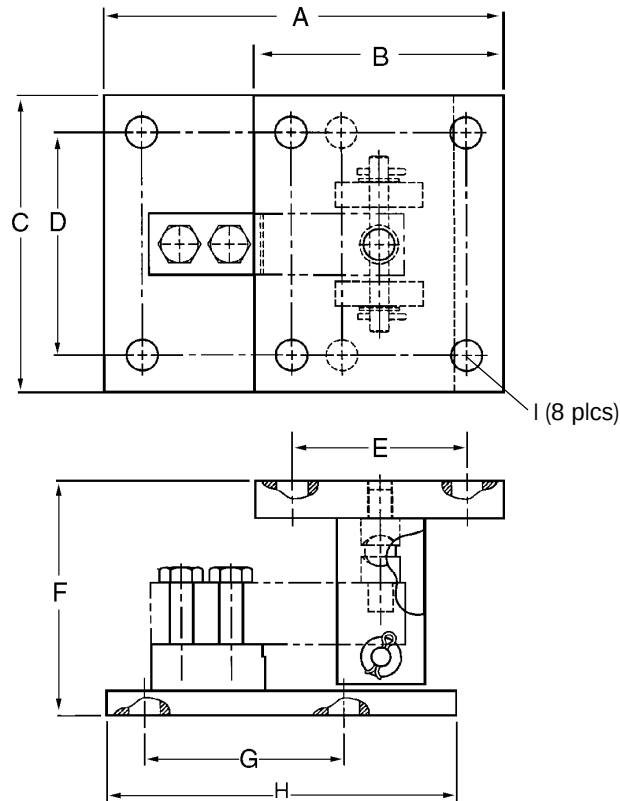
#### STANDARD FEATURES:

- Capacities (per module): 250 lb - 5,000 lbSE mild steel/1,000 lb-4,000 lb SST
- Zinc Plated mild steel construction or stainless steel
- Ball and cup design
- Self-checking, multi-directional movement
- Load is suspended on ball and cup
- Design incorporates a ball and cup for self centering

# RLBTM Specifications

**Complete Kit!  
Compare  
& Save!**

**NEW  
LOWER  
PRICES**



Weigh Modules

| RATED<br>CAPACITY     | DIMENSIONS |      |       |       |      |       |       |       |      |
|-----------------------|------------|------|-------|-------|------|-------|-------|-------|------|
|                       | A          | B    | C     | D     | E    | F     | G     | H     | I    |
| <b>lb/inches</b>      |            |      |       |       |      |       |       |       |      |
| 250-5000SE            | 8.00       | 5.00 | 6.00  | 4.50  | 3.50 | 4.75  | 4.00  | 7.00  | .63  |
| <b>kg/millimeters</b> |            |      |       |       |      |       |       |       |      |
| 113.4/2268.0          | 203.2      | 127  | 152.4 | 114.3 | 88.9 | 120.6 | 101.6 | 177.8 | 16.0 |

## RLBTM MILD STEEL ORDER INFORMATION

| *Load Rating<br>(Load Cell Capacity)             | Part # | Suggested<br>List Price |
|--------------------------------------------------|--------|-------------------------|
| <b>Single Modules (Do NOT include Load Cell)</b> |        |                         |
| 250 lb -5,000 lb (113.4-2268.0kg) ...            | 53059  | \$275.00                |

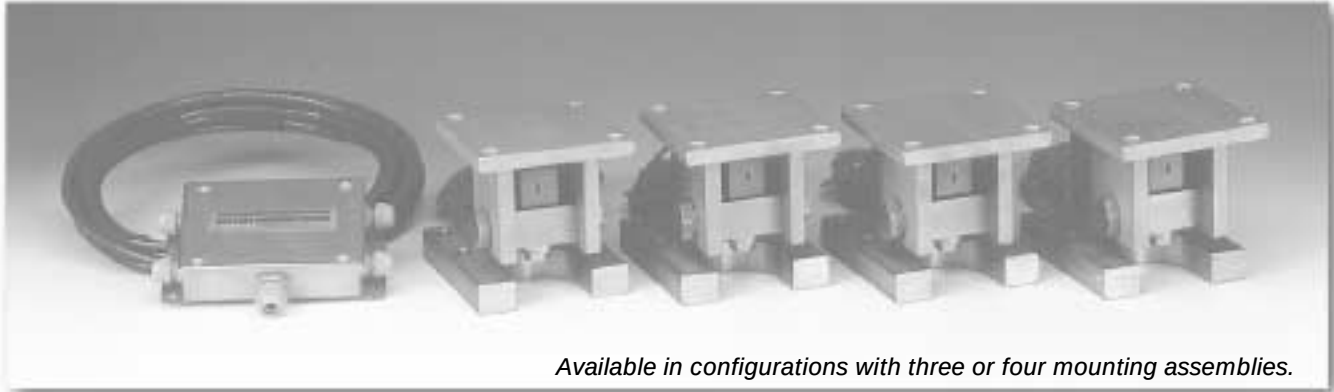
## RLBTM STAINLESS STEEL ORDER INFORMATION

| *Load Rating<br>(Load Cell Capacity)             | Part # | Suggested<br>List Price |
|--------------------------------------------------|--------|-------------------------|
| <b>Single Modules (Do NOT include Load Cell)</b> |        |                         |
| 1,000-4,000 lb (453.6-1814.4kg) ....             | 53066  | \$450.00                |

\* Load Rating is per module

# Weigh Modules • Tank and Hopper Kits

## RL1800 Series Mild Steel/Stainless Steel Weigh Modules



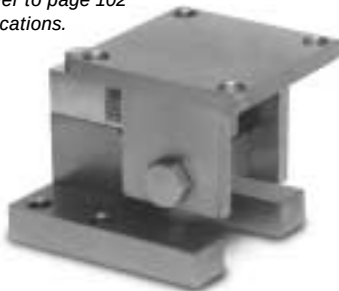
*Available in configurations with three or four mounting assemblies.*

The RL1800 Series Mounting Assembly Kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1800 Series kit is ideally suited for indoor and outdoor process control operations with medium-range capacities. Each module combines multi-directional movement and self-checking capabilities. The RL30000 Series load cells used are NTEP certified in capacities of 1000 lb to 10,000 lb.

Load Cell Certifications:



*Module with RL30000 single-ended beam load cell. Refer to page 102 for load cell specifications.*



### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL1800 mild or stainless steel compression mounts
- 3 or 4 RL30000 single-ended beam load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Conveyors
- Medium-capacity tanks and hoppers

### STANDARD FEATURES:

- Capacities (per module): 250-10,000 lb (113.4-4535.9 kg)
- NTEP-certified cells in 1000-10,000 lb (453.6-4535.9 kg) capacities (except 3000 lb [1360.9 kg])
- Zinc plated mild steel construction
- Center-pivoted, tension loading design
- Self-checking, multi-directional movement
- Load is suspended on high-strength bolt instead of wire rope
- Design incorporates spherical washers for self centering

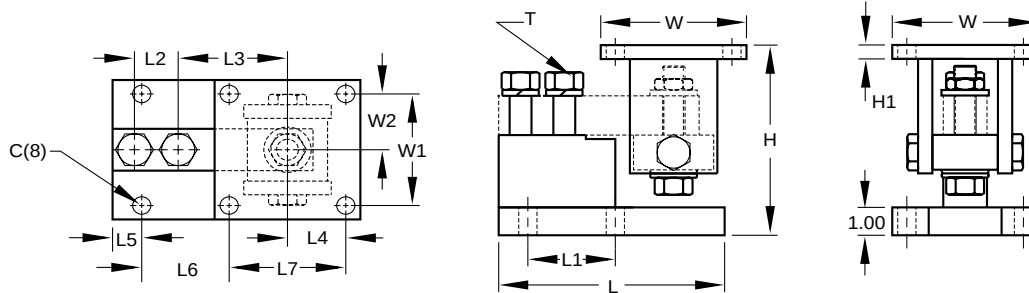
### OPTIONAL FEATURES:

- Modules available in 304 stainless steel construction with stainless steel RL35023S NTEP certified load cells, capacities of 1000-10,000 lb (453.6-4535.9 kg)



# RL1800 Series Specifications

**Complete Kit!  
Compare  
& Save!**



**PRICES  
REDUCED**

| RATED CAPACITY                      | C    | H Min/Max   | H1   | L     | L1   | L2   | L3   | L4   | L5   | L6   | L7    | T          | W     | W1    | W2   |
|-------------------------------------|------|-------------|------|-------|------|------|------|------|------|------|-------|------------|-------|-------|------|
| <b>Mild Steel Construction</b>      |      |             |      |       |      |      |      |      |      |      |       |            |       |       |      |
| <b>lb/inches</b>                    |      |             |      |       |      |      |      |      |      |      |       |            |       |       |      |
| 250-5000SE                          | .62  | 5.25/5.56   | .50  | 6.00  | 2.00 | 1.00 | 3.00 | 2.00 | .68  | 1.94 | 4.00  | 1/2-13 UNC | 5.00  | 4.00  | 2.00 |
| 5000LE-10,000                       | .62  | 6.12/6.62   | .50  | 7.75  | 3.00 | 1.50 | 3.75 | 2.00 | 1.03 | 2.97 | 4.00  | 3/4-10 UNC | 5.00  | 4.00  | 2.00 |
| <b>kg/millimeters</b>               |      |             |      |       |      |      |      |      |      |      |       |            |       |       |      |
| 113.4-2268.0                        | 15.8 | 133.4/141.2 | 12.7 | 152.4 | 50.8 | 25.4 | 76.2 | 50.8 | 17.3 | 49.3 | 101.6 | 1/2-13 UNC | 127.0 | 101.6 | 50.8 |
| 2268.0-4535.9                       | 15.8 | 155.4/168.1 | 12.7 | 196.9 | 76.2 | 38.1 | 95.3 | 50.8 | 26.2 | 75.4 | 101.6 | 3/4-10 UNC | 127.0 | 101.6 | 50.8 |
| <b>Stainless Steel Construction</b> |      |             |      |       |      |      |      |      |      |      |       |            |       |       |      |
| <b>lb/inches</b>                    |      |             |      |       |      |      |      |      |      |      |       |            |       |       |      |
| 1000-4000                           | .62  | 5.25/5.56   | .50  | 6.00  | 2.00 | 1.00 | 3.00 | 2.00 | .68  | 1.94 | 4.00  | 1/2-13 UNC | 5.00  | 4.00  | 2.00 |
| 5000-10,000                         | .62  | 6.12/6.62   | .50  | 7.75  | 3.00 | 1.50 | 3.75 | 2.00 | 1.03 | 2.97 | 4.00  | 3/4-10 UNC | 5.00  | 4.00  | 2.00 |
| <b>kg/millimeters</b>               |      |             |      |       |      |      |      |      |      |      |       |            |       |       |      |
| 453.6-1814.4                        | 15.8 | 133.4/141.2 | 12.7 | 152.4 | 50.8 | 25.4 | 76.2 | 50.8 | 17.3 | 49.3 | 101.6 | 1/2-13 UNC | 127.0 | 101.6 | 50.8 |
| 2268.0-4535.9                       | 15.8 | 155.4/168.1 | 12.7 | 196.9 | 76.2 | 38.1 | 95.3 | 50.8 | 26.2 | 75.4 | 101.6 | 3/4-10 UNC | 127.0 | 101.6 | 50.8 |

## RL1800 MILD STEEL ORDER INFORMATION

| *Load Rating<br>(Load Cell Capacity)             | Part # | Suggested<br>List Price |
|--------------------------------------------------|--------|-------------------------|
| <b>Single Modules (Do NOT include Load Cell)</b> |        |                         |
| 250 -5000 lbSE<br>(113.4-2268.0 kg)              | 17817  | \$325.00                |
| 5000LE-10,000 lb<br>(2268.0-4535.9 kg)           | 17819  | \$350.00                |
| <b>3-Module Kits</b>                             |        |                         |
| 250 lb (113.4 kg)                                | 18075  | \$1,995.00              |
| 500 lb (226.8 kg)                                | 18076  | \$1,995.00              |
| 1000 lb (453.6 kg)                               | 18077  | \$1,995.00              |
| 2000 lb (907.2 kg)                               | 18078  | \$1,995.00              |
| 2500 lb (1134.0 kg)                              | 18079  | \$1,995.00              |
| 3000 lb (1360.8 kg)                              | 18080  | \$1,995.00              |
| 4000 lb (1814.4 kg)                              | 18081  | \$1,995.00              |
| 5000 lbSE (2268.0 kg)                            | 18082  | \$1,995.00              |
| 5000 lbLE (2268.0 kg)                            | 18083  | \$2,295.00              |
| 10,000 lb (4535.9 kg)                            | 18084  | \$2,295.00              |
| <b>4-Module Kits</b>                             |        |                         |
| 250 lb (113.4 kg)                                | 18085  | \$2,595.00              |
| 500 lb (226.8 kg)                                | 18086  | \$2,595.00              |
| 1000 lb (453.6 kg)                               | 18087  | \$2,595.00              |
| 2000 lb (907.2 kg)                               | 18088  | \$2,595.00              |
| 2500 lb (1134.0 kg)                              | 18089  | \$2,595.00              |
| 3000 lb (1360.8 kg)                              | 18090  | \$2,595.00              |
| 4000 lb (1814.4 kg)                              | 18091  | \$2,595.00              |
| 5000 lbSE (2268.0 kg)                            | 18092  | \$2,595.00              |
| 5000 lbLE (2268.0 kg)                            | 18093  | \$3,195.00              |
| 10,000 lb (4535.9 kg)                            | 18094  | \$3,195.00              |

## RL1800 STAINLESS STEEL ORDER INFORMATION

| *Load Rating<br>(Load Cell Capacity)             | Part # | Suggested<br>List Price |
|--------------------------------------------------|--------|-------------------------|
| <b>Single Modules (Do NOT include Load Cell)</b> |        |                         |
| 250-4000 lb<br>(113.4-1814.4 kg)                 | 17818  | \$525.00                |
| 5000-10,000 lb<br>(2268.0-4535.9 kg)             | 17820  | \$550.00                |
| <b>3-Module Kits</b>                             |        |                         |
| 1000 lb (453.6 kg)                               | 18095  | \$2,695.00              |
| 2000 lb (907.2 kg)                               | 18096  | \$2,695.00              |
| 2500 lb (1134.0 kg)                              | 18097  | \$2,695.00              |
| 4000 lb (1814.4 kg)                              | 18099  | \$2,695.00              |
| 5000 lb (2268.0 kg)                              | 18100  | \$2,925.00              |
| 10,000 lb (4535.9 kg)                            | 18101  | \$2,925.00              |
| <b>4-Module Kits</b>                             |        |                         |
| 1000 lb (453.6 kg)                               | 18102  | \$3,595.00              |
| 2000 lb (907.2 kg)                               | 18103  | \$3,595.00              |
| 2500 lb (1134.0 kg)                              | 18104  | \$3,595.00              |
| 4000 lb (1814.4 kg)                              | 18106  | \$3,595.00              |
| 5000 lb (2268.0 kg)                              | 18107  | \$3,910.00              |
| 10,000 lb (4535.9 kg)                            | 18108  | \$3,910.00              |

SE refers to small envelope.  
LE refers to large envelope.

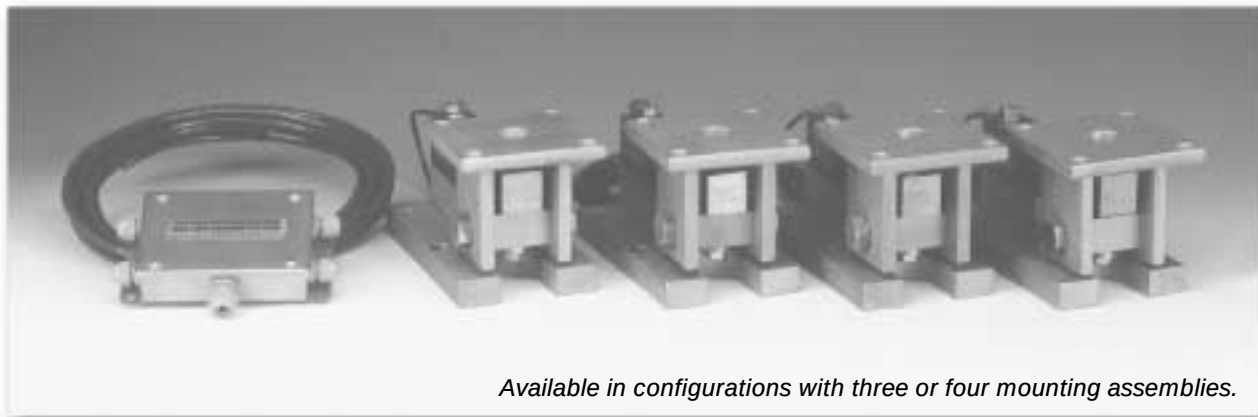
\* Load Rating is per module

**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**

Prices & Specifications subject to change without notice

# Weigh Modules • Tank and Hopper Kits

## RL1900 Series Stainless Steel Weigh Modules



*Available in configurations with three or four mounting assemblies.*

The RL1900 Series Weigh Module Kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1900 kit is ideally suited for tank, hopper and bin weighing operations with medium-range capacities. Each module combines multi-directional movement and self-checking capabilities. The welded seal stainless steel RLSSB load cell withstands high pressure washdown and corrosive environments that may present problems to other cells.

Load Cell Certifications:



Module with hermetically sealed RLSSB single-ended beam load cell. Refer to page 116 for load cell specifications.



### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL1900 stainless steel compression mounts
- 3 or 4 RLSSB welded stainless steel single-ended beam load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### **APPLICATIONS:**

- Medium-capacity tanks, bins and hoppers
- Washdown or corrosive applications

### **STANDARD FEATURES:**

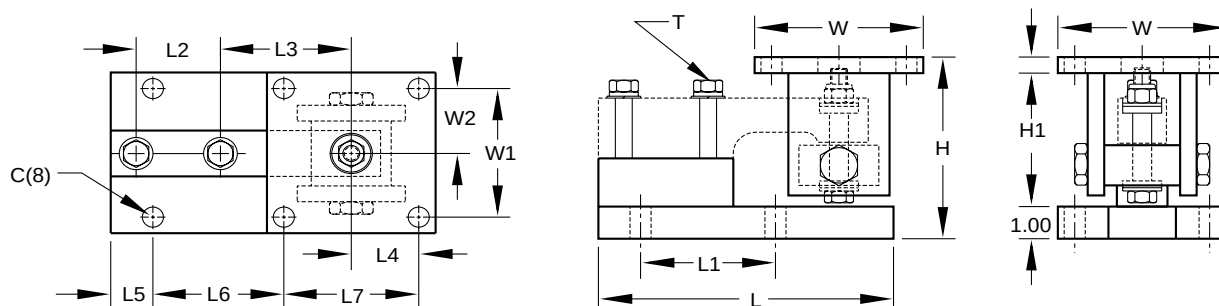
- NTEP-certified load cells, 1:5000d, Class III Single Cell
- Capacities (per module): 1000-10,000 lb (453.6-4535.9 kg)
- 304 stainless steel construction
- Center-pivoted, tension loading design
- Hermetically-sealed stainless steel load cells
- Self-checking, multi-directional movement
- Easy load cell replacement
- Load is suspended on high-strength bolt instead of wire rope
- Design incorporates spherical washers

### **OPTIONAL FEATURES:**

- Also compatible with HBM SB3 load cells
- Also compatible with RTI SSB load cells

# RL1900 Series Specifications

**Complete Kit!  
Compare  
& Save!**



| RATED<br>CAPACITY | DIMENSIONS |             |      |       |       |      |       |      |      |       |       |            |       |       | T    | W | W1 | W2 |
|-------------------|------------|-------------|------|-------|-------|------|-------|------|------|-------|-------|------------|-------|-------|------|---|----|----|
|                   | C          | H Min/Max   | H1   | L     | L1    | L2   | L3    | L4   | L5   | L6    | L7    |            |       |       |      |   |    |    |
| lb/inches         |            |             |      |       |       |      |       |      |      |       |       |            |       |       |      |   |    |    |
| 1000-5000         | .62        | 5.38/5.62   | .50  | 8.75  | 4.00  | 2.50 | 3.88  | 2.00 | 1.12 | 4.00  | 4.00  | 1/2-13 UNC | 5.00  | 4.00  | 2.00 |   |    |    |
| 10,000            | .81        | 6.88/7.50   | 1.00 | 9.75  | 5.00  | 2.63 | 4.88  | 2.25 | 1.00 | 5.00  | 4.50  | 3/4-10 UNC | 6.00  | 4.50  | 2.25 |   |    |    |
| kg/millimeters    |            |             |      |       |       |      |       |      |      |       |       |            |       |       |      |   |    |    |
| 453.6-2268.0      | 15.8       | 136.7/142.9 | 12.7 | 222.3 | 101.6 | 63.5 | 98.6  | 50.8 | 28.4 | 101.6 | 101.6 | 1/2-13 UNC | 127.0 | 101.6 | 50.8 |   |    |    |
| 4535.9            | 20.6       | 174.8/190.5 | 25.4 | 247.7 | 127.0 | 66.8 | 124.0 | 57.2 | 25.4 | 127.0 | 114.3 | 3/4-10 UNC | 152.4 | 114.3 | 57.2 |   |    |    |

## RL1900 ORDER INFORMATION

| Load Rating<br>(Load Cell Capacity)              | Part # | Suggested<br>List Price |
|--------------------------------------------------|--------|-------------------------|
| <b>Single Modules (Do NOT Include Load Cell)</b> |        |                         |
| 1000-5000 lb (453.6-2268.0 kg) .....             | 17841  | \$495.00                |
| 10,000 lb (4535.9 kg) .....                      | 17843  | \$525.00                |
| <b>3-Module Kits</b>                             |        |                         |
| 1000 lb (453.6 kg) .....                         | 18109  | \$3,515.00              |
| 2000 lb (907.2 kg) .....                         | 18110  | \$3,515.00              |
| 5000 lb (2268.0 kg) .....                        | 18111  | \$3,515.00              |
| 10,000 lb (4535.9 kg) .....                      | 18112  | \$3,880.00              |
| <b>4-Module Kits</b>                             |        |                         |
| 1000 lb (453.6 kg) .....                         | 18113  | \$4,595.00              |
| 2000 lb (907.2 kg) .....                         | 18114  | \$4,595.00              |
| 5000 lb (2268.0 kg) .....                        | 18115  | \$4,595.00              |
| 10,000 lb (4535.9 kg) .....                      | 18116  | \$5,040.00              |

\* Load Rating is per module

# Weigh Modules • Tank and Hopper Kits

## RL2200 Series

### Tank, Hopper & Vessel Weighing Assembly, Rice Lake Weighing Systems



*Available in configurations with three or four mounting assemblies.*

The RL2200 Series mounts are ideal for use in tank, hopper, vessel, and many other applications. The low-profile design allows for economical solutions in a competitive marketplace. This rugged, high-precision mount is designed for easy installation and does not require check rods or other stabilizing hardware. The RL2200 mount has the added feature of self centering, allowing for side loads without sacrificing performance.

#### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL2200 high-alloy, zinc-plated steel mounting assemblies
- 3 or 4 RL2200 compression disk load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

#### **APPLICATIONS:**

- Tank, hopper, or vessel weighing
- Belt or roller conveyors
- Scale platforms and screw feeders

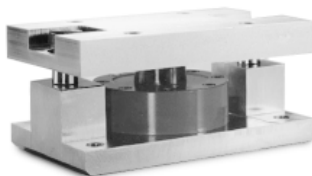
#### **STANDARD FEATURES:**

- Capacities: 5000, 10,000, 25,000, 50,000 lb (2268, 4536, 11,340, 22,680 kg)
- Low-profile design
- High 4 mV/V output
- Self-centering in all directions—able to withstand excessive side loads
- Self-checking assembly

#### **OPTIONAL FEATURES:**

- Stainless steel construction

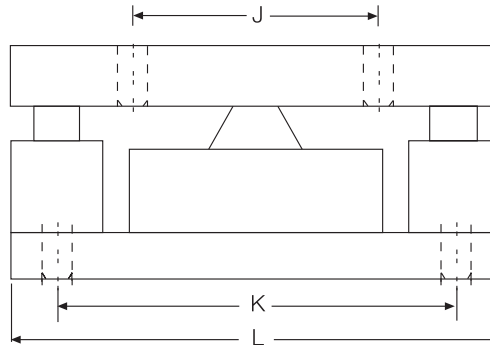
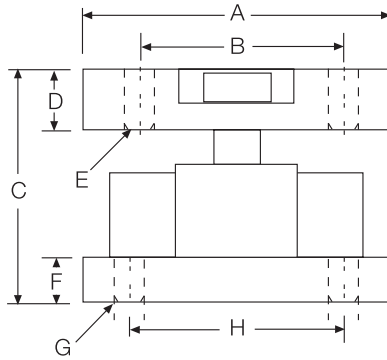
*Assembly with integral RL2200 compression disk load cell. See next page for load cell specifications.*



# RL2200 Series Specifications

**Complete Kit!  
Compare  
& Save!**

**Low  
Profile  
Design!**



| RATED<br>CAPACITY     | DIMENSIONS |       |       |      |      |      |      |       |       |       |       |
|-----------------------|------------|-------|-------|------|------|------|------|-------|-------|-------|-------|
|                       | A          | B     | C     | D    | E    | F    | G    | H     | J     | K     | L     |
| <b>lb/inches</b>      |            |       |       |      |      |      |      |       |       |       |       |
| 5000-10,000           | 5.0        | 3.50  | 4.00  | 1.00 | .52  | 1.0  | .52  | 3.50  | 4.00  | 6.50  | 8.0   |
| 25,000-50,000         | 6.0        | 4.50  | 4.75  | 1.25 | .78  | 1.0  | .78  | 4.50  | 5.00  | 7.75  | 10.0  |
| <b>kg/millimeters</b> |            |       |       |      |      |      |      |       |       |       |       |
| 2268-4536             | 127.0      | 88.9  | 101.6 | 25.4 | 13.2 | 19.0 | 13.2 | 88.9  | 101.6 | 165.1 | 203.2 |
| 11,340-22,679.6       | 152.4      | 114.3 | 120.6 | 31.7 | 19.8 | 25.4 | 19.8 | 114.3 | 127.0 | 196.8 | 254.0 |

## LOAD CELL SPECIFICATIONS:

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Safe Overload:         | 150% Full Scale                                                                                  |
| Full Scale Output:     | 4.0 mV/V                                                                                         |
| Rated Excitation:      | 10 VDC (20 V maximum)                                                                            |
| Nonlinearity:          | 0.05% Full Scale                                                                                 |
| Hysteresis:            | 0.03% Full Scale                                                                                 |
| Temperature:           | Compensated range:<br>15°F to 115°F/-9°C to 46°C                                                 |
| Bridge Resistance:     | 350 ohms nominal                                                                                 |
| Insulation Resistance: | 5000 megohms                                                                                     |
| Material/Finish:       | High-alloy steel, zinc plated                                                                    |
| Seal Type:             | Environmentally protected                                                                        |
| Cable Length:          | 30'/9.1m                                                                                         |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                          |

## RL2200 SERIES ORDER INFORMATION

| Load<br>Rating              | Part #      | Suggested<br>List Price |
|-----------------------------|-------------|-------------------------|
| <b>Single Modules</b>       |             |                         |
| 5000 lb (2268 kg) .....     | 45849 ..... | \$1,125.00              |
| 10,000 lb (4536 kg) .....   | 45848 ..... | \$1,125.00              |
| 25,000 lb (11,340 kg) ..... | 45847 ..... | \$1,580.00              |
| 50,000 lb (22,680 kg) ..... | 45846 ..... | \$1,580.00              |
| <b>3-Module Kits</b>        |             |                         |
| 5000 lb (2268 kg) .....     | 42811 ..... | \$3,575.00              |
| 10,000 lb (4536 kg) .....   | 42812 ..... | \$3,575.00              |
| 25,000 lb (11,340 kg) ..... | 42813 ..... | \$4,940.00              |
| 50,000 lb (22,680 kg) ..... | 42814 ..... | \$4,940.00              |
| <b>4-Module Kits</b>        |             |                         |
| 5000 lb (2268 kg) .....     | 42815 ..... | \$4,700.00              |
| 10,000 lb (4536 kg) .....   | 42816 ..... | \$4,700.00              |
| 25,000 lb (11,340 kg) ..... | 42817 ..... | \$6,520.00              |
| 50,000 lb (22,680 kg) ..... | 42818 ..... | \$6,520.00              |

Weigh Modules

# Weigh Modules • Tank and Hopper Kits

## RL2200 SS Series

### Stainless Steel, Tank, Hopper & Vessel Weighing Assembly, Rice Lake Weighing Systems



*Available in configurations with three or four mounting assemblies.*

The RL2200 SS Series mounts are ideal for use in tank, hopper, vessel, and many other applications. The low-profile design allows for economical solutions in a competitive marketplace. This rugged, high-precision mount is designed for easy installation and does not require check rods or other stabilizing hardware. The RL2200SS mount has the added feature of self centering, allowing for side loads without sacrificing performance.

### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL2200 stainless steel mounting assemblies
- 3 or 4 RL2200 SS stainless steel, hermetically sealed, compression disk load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### **APPLICATIONS:**

- Tank, hopper, or vessel weighing
- Belt or roller conveyors
- Scale platforms and screw feeders

### **STANDARD FEATURES:**

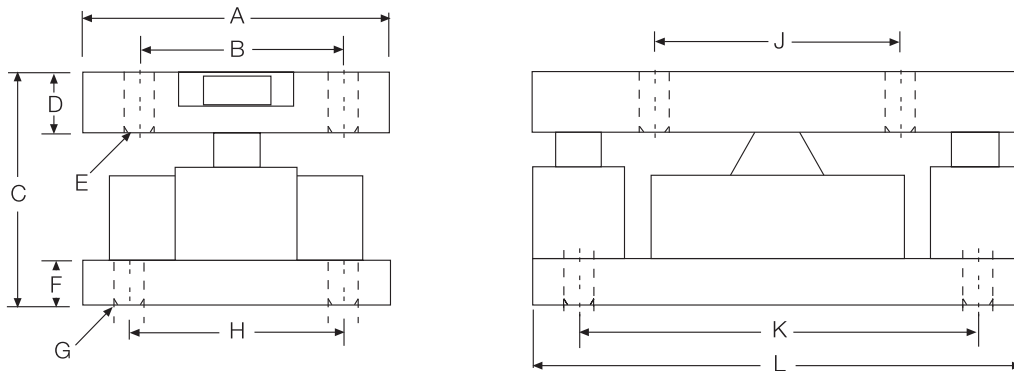
- Capacities: 5000, 10,000, 25,000, 50,000 lb (2268, 4536, 11,340, 22,680 kg)
- Low-profile design
- High 4 mV/V output
- Self-centering in all directions—able to withstand excessive side loads
- Self-checking assembly

*Assembly with integral RL2200 SS compression disk load cell. See next page for load cell specifications.*



# RL2200 SS Series Specifications

**Complete Kit!  
Compare  
& Save!**



**Low  
Profile  
Design!**

| RATED<br>CAPACITY | DIMENSIONS |       |       |      |      |      |      |       |       |       |       |
|-------------------|------------|-------|-------|------|------|------|------|-------|-------|-------|-------|
|                   | A          | B     | C     | D    | E    | F    | G    | H     | J     | K     | L     |
| lb/inches         |            |       |       |      |      |      |      |       |       |       |       |
| 5000-10,000       | 5.0        | 3.50  | 4.00  | 1.00 | .52  | 1.0  | .52  | 3.50  | 4.00  | 6.50  | 8.0   |
| 25,000-50,000     | 6.0        | 4.50  | 4.75  | 1.25 | .78  | 1.0  | .78  | 4.50  | 5.00  | 7.75  | 10.0  |
| kg/millimeters    |            |       |       |      |      |      |      |       |       |       |       |
| 2268-4536         | 127.0      | 88.9  | 101.6 | 25.4 | 13.2 | 19.0 | 13.2 | 88.9  | 101.6 | 165.1 | 203.2 |
| 11,340-22,679.6   | 152.4      | 114.3 | 120.6 | 31.7 | 19.8 | 25.4 | 19.8 | 114.3 | 127.0 | 196.8 | 254.0 |

## LOAD CELL SPECIFICATIONS:

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Safe Overload:         | 150% Full Scale                                                                                  |
| Full Scale Output:     | 4.0 mV/V                                                                                         |
| Rated Excitation:      | 10 VDC (20 V maximum)                                                                            |
| Nonlinearity:          | 0.05% Full Scale                                                                                 |
| Hysteresis:            | 0.03% Full Scale                                                                                 |
| Temperature:           | Compensated range:<br>15°F to 115°F/-9°C to 46°C                                                 |
| Bridge Resistance:     | 350 ohms nominal                                                                                 |
| Insulation Resistance: | 5000 megohms                                                                                     |
| Material/Finish:       | Stainless steel                                                                                  |
| Seal Type:             | Hermetically sealed, IP66/68                                                                     |
| Cable Length:          | 30'/9.1m                                                                                         |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                          |

## RL2200 SS SERIES ORDER INFORMATION

| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| <b>Single Modules</b>       |             |                      |
| 5000 lb (2268 kg) .....     | 45845 ..... | \$1,710.00           |
| 10,000 lb (4536 kg) .....   | 45844 ..... | \$1,710.00           |
| 25,000 lb (11,340 kg) ..... | 45843 ..... | \$2,650.00           |
| 50,000 lb (22,680 kg) ..... | 45842 ..... | \$2,650.00           |
| <b>3-Module Kits</b>        |             |                      |
| 5000 lb (2268 kg) .....     | 46478 ..... | \$5,330.00           |
| 10,000 lb (4536 kg) .....   | 46479 ..... | \$5,330.00           |
| 25,000 lb (11,340 kg) ..... | 46480 ..... | \$8,150.00           |
| 50,000 lb (22,680 kg) ..... | 46481 ..... | \$8,150.00           |
| <b>4-Module Kits</b>        |             |                      |
| 5000 lb (2268 kg) .....     | 46482 ..... | \$7,040.00           |
| 10,000 lb (4536 kg) .....   | 46483 ..... | \$7,040.00           |
| 25,000 lb (11,340 kg) ..... | 46484 ..... | \$10,800.00          |
| 50,000 lb (22,680 kg) ..... | 46485 ..... | \$10,800.00          |

Weigh Modules

# Weigh Modules • Tank and Hopper Kits

## RLC

### Stainless Steel Weigh Modules, Revere Transducers



The RLC self-aligning silo mount, together with the RLC load cell family, are an ideal solution for process control, batch weighing, silo/hopper and belt scale applications.

The RLC mount incorporates a removable "rocker pin" design, that uses hardened stainless steel components on all load-bearing surfaces. The fully stainless steel construction guarantees long-term reliability, even in the most harsh environments.

Load Cell Certifications:



Module with hermetically-sealed RLC compression canister load cell. Refer to page 249 for load cell specifications.



### Complete Kit Includes:

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RLC stainless steel compression mounts
- 3 or 4 RLC stainless steel hermetically-sealed compression disk load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Medium-capacity tanks, bins and hoppers
- Washdown or corrosive applications
- Process control and batch weighing

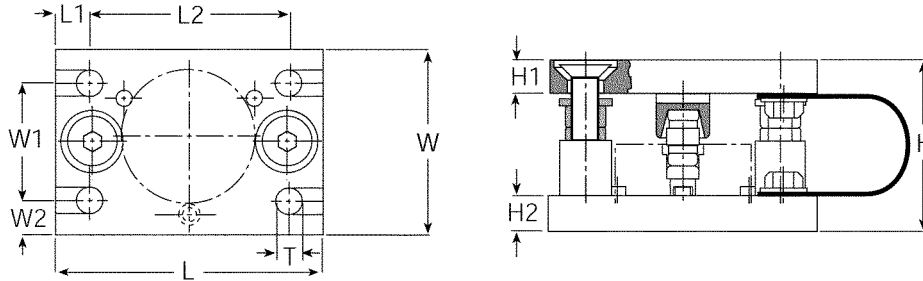
### STANDARD FEATURES:

- Capacities (per module): 500-5000 kg (1102.3-11,023.1 lb)
- Matched output load cells eliminate trimming
- 304 stainless steel construction
- Rocker pin design allows movement in all directions
- Hermetically-sealed, IP66/68 stainless steel load cells
- Easy load cell replacement
- Integral jacking/shipping bolts



## RLC Specifications

**Complete Kit!  
Compare  
& Save!**



| RATED<br>CAPACITY     | H    | H1  | H2  | L    | DIMENSIONS |      | T                   | W    | W1   | W2  |
|-----------------------|------|-----|-----|------|------------|------|---------------------|------|------|-----|
|                       |      |     |     |      | L1         | L2   |                     |      |      |     |
| <b>kg/millimeters</b> |      |     |     |      |            |      |                     |      |      |     |
| 500-1000              | 80   | 20  | 15  | 150  | 15         | 120  | 14 (Top plate)      | 100  | 70   | 15  |
| 2000-5000             | 105  | 20  | 20  | 160  | 20         | 120  | 13.8 (Bottom plate) | 110  | 70   | 20  |
| <b>lb/inches</b>      |      |     |     |      |            |      |                     |      |      |     |
| 1102.3-2204.6         | 3.15 | .79 | .59 | 5.91 | .59        | 4.72 | .55 (Top plate)     | 3.94 | 2.76 | .59 |
| 4409.2-11,023.1       | 4.13 | .79 | .79 | 6.30 | .79        | 4.72 | .54 (Bottom plate)  | 4.33 | 2.76 | .79 |

### RLC ORDER INFORMATION

| Load Rating<br>(Load Cell Capacity)        | Part #      | Suggested<br>List Price |
|--------------------------------------------|-------------|-------------------------|
| <b>Single Modules Load Cells Included:</b> |             |                         |
| 500 kg (1102.3 lb) .....                   | 36401 ..... | \$985.00                |
| 1000 kg (2204.6 lb) .....                  | 36402 ..... | \$985.00                |
| 2000 kg (4409.2 lb) .....                  | 36403 ..... | \$985.00                |
| 3500 kg (7717.5 lb) .....                  | 36404 ..... | \$1,065.00              |
| 5000 kg (11,023.1 lb) .....                | 36405 ..... | \$1,065.00              |
| <b>3-Module Kits</b>                       |             |                         |
| 500 kg (1102.3 lb) .....                   | 36406 ..... | \$3,205.00              |
| 1000 kg (2204.6 lb) .....                  | 36407 ..... | \$3,205.00              |
| 2000 kg (4409.2 lb) .....                  | 36408 ..... | \$3,205.00              |
| 3500 kg (7717.5 lb) .....                  | 36409 ..... | \$3,445.00              |
| 5000 kg (11,023.1 lb) .....                | 36410 ..... | \$3,445.00              |
| <b>4-Module Kits</b>                       |             |                         |
| 500 kg (1102.3 lb) .....                   | 36411 ..... | \$4,190.00              |
| 1000 kg (2204.6 lb) .....                  | 36412 ..... | \$4,190.00              |
| 2000 kg (4409.2 lb) .....                  | 36413 ..... | \$4,190.00              |
| 3500 kg (7717.5 lb) .....                  | 36414 ..... | \$4,495.00              |
| 5000 kg (11,023.1 lb) .....                | 36415 ..... | \$4,495.00              |

\* Load Rating is per module

**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**

Prices & Specifications subject to change without notice

# Weigh Modules • Tank and Hopper Kits

## 220 UNIVERSAL MOUNT Stainless Steel Weigh Modules, TEDEA HUNTLEIGH



*Available in configurations with three or four mounting assemblies.*

The 220 Universal Mount is designed to be used with the Model 220 load cell described above. The mount incorporates built-in jacking bolts to prevent damage to the load cell during installation. It's stainless steel construction is designed to be used in the harshest of environments.

Load Cell Certifications:



*Module with hermetically-sealed  
220 compression load cell. Refer to page  
327 for load cell specifications.*



### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 220 stainless steel compression mounts
- 3 or 4 220 stainless steel hermetically-sealed compression disk load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### **APPLICATIONS:**

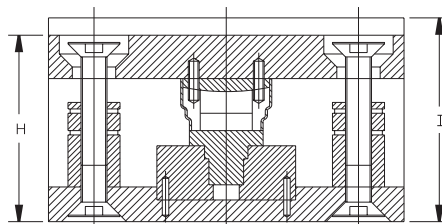
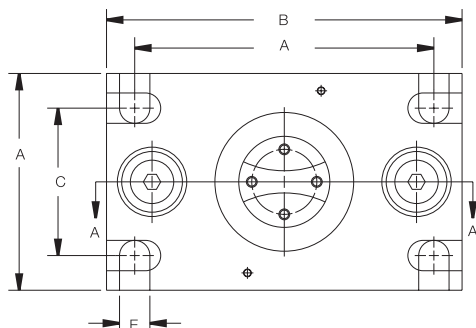
- Medium- to high-capacity tanks, bins and hoppers
- Washdown or corrosive applications
- Process control and batch weighing

### **STANDARD FEATURES:**

- Capacities (per module): 5,000kg to 30,000kg
- Matched output load cells eliminate trimming
- 304 stainless steel construction
- Hermetically-sealed, IP66/68 stainless steel load cells
- Easy load cell replacement
- Integral jacking/shipping bolts

# 220 Universal Mount Specifications

**NEW!**  
PRODUCT



| RATED CAPACITY        | A    | B    | C    | DIMENSIONS D | E   | H    | I    |
|-----------------------|------|------|------|--------------|-----|------|------|
| <b>kg/millimeters</b> |      |      |      |              |     |      |      |
| 5,000                 | 127  | 203  | 90   | 170          | 18  | 107  | 118  |
| 10,000                | 127  | 203  | 90   | 170          | 18  | 107  | 118  |
| 20,000/30,000         | 152  | 245  | 115  | 208          | 24  | 148  | 156  |
| <b>lb/inches</b>      |      |      |      |              |     |      |      |
| 11,023.1              | 5.00 | 8.00 | 3.54 | 6.70         | .71 | 4.21 | 4.65 |
| 22,046.3              | 5.00 | 8.00 | 3.54 | 6.70         | .71 | 4.21 | 4.65 |
| 44,092.7/66,139.0     | 5.98 | 9.65 | 4.53 | 8.19         | .94 | 5.83 | 6.14 |

## SPECIFICATIONS:

|                    |                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                                                                                                                    |
| Bridge Resistance: | 1000 ohms, nominal                                                                                                                          |
| Material/Finish:   | Stainless Steel                                                                                                                             |
| Temperature:       | Operating temperature range<br>14°F to 104°F/-10°C to 40°C                                                                                  |
| Manufacturer:      |                                                                                                                                             |
| Model Number:      |                                                                                                                                             |
| Safe Overload:     | 150% at center loading point, full scale                                                                                                    |
| Rated Excitation:  | 10V DC (15V maximum)                                                                                                                        |
| Total Error:       | 0.020% Full scale                                                                                                                           |
| Seal type:         | 2000 mean sealed, IP68                                                                                                                      |
| Cable Length:      | 5m (5,000kg), 10m (10,000-20,000kg)<br>20m (30,000kg)                                                                                       |
| Cable Color Code:  | Blue ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Sense<br>Grey ..... - Sense<br>White .... + Signal<br>Red ..... - Signal |
| Warranty:          | 2 years                                                                                                                                     |

## 220 UNIVERSAL MOUNT ORDER INFORMATION

| Load Rating<br>(Load Cell Capacity)  | Part # | Suggested<br>List Price |
|--------------------------------------|--------|-------------------------|
| <b>3-Module Load Cells Includes:</b> |        |                         |
| 5000 kg (11,023.1 lb)                | 66208  | \$5,890.00              |
| 10,000 kg (22,046.3 lb)              | 66209  | \$6,190.00              |
| 20,000 kg (44,092.7 lb)              | 66210  | \$7,855.00              |
| 30,000 kg (66,139.0 lb)              | 66211  | \$7,855.00              |
| <b>4-Module Load Cells Includes:</b> |        |                         |
| 5000 kg (11,023.1 lb)                | 66212  | \$7,780.00              |
| 10,000 kg (22,046.3 lb)              | 66213  | \$8,180.00              |
| 20,000 kg (44,092.7 lb)              | 66214  | \$10,400.00             |
| 30,000 kg (66,139.0 lb)              | 66215  | \$10,400.00             |

# Weigh Modules • Tank and Hopper Kits

## EZ Mount 1

### Mild Steel, Rice Lake Weighing Systems/Revere Transducers



The EZ Mount 1 Series weigh modules utilize the double-ended beam design with an articulating top plate to provide superior accuracy in any loading condition.

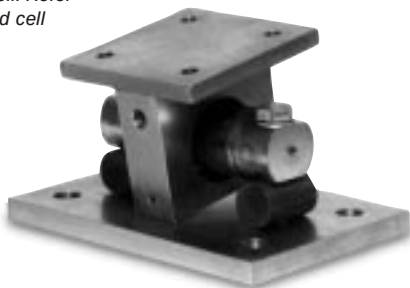
The double-ended beam design means there is less cumbersome hardware and each module has a lower profile than modules of different configurations.

NTEP certified and FM approved RL70000 Series load cells give you accuracy and dependability in any environment, including intrinsically safe and explosion proof areas.

Load Cell Certifications:



Module with RL70000 double-ended shear beam load cell. Refer to page 131 for load cell specifications.



### Complete Kit Includes:

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 EZ Mount 1 mild steel compression mounts
- 3 or 4 RL70000 double-ended shear beam load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Medium- to heavy-capacity tank and hopper weighing applications

### STANDARD FEATURES:

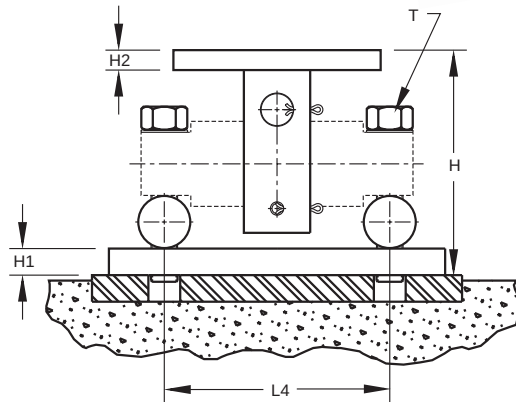
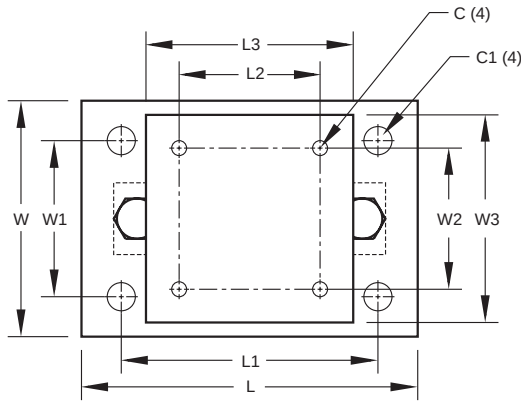
- Capacities (per module): 5000-250,000 lb (2268-113,398.1 kg)
- NTEP-certified load cells
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded double-ended shear beam design
- Low profile design
- Painted mild steel construction (2-part epoxy paint)

### OPTIONAL FEATURES:

- Kits available with Revere Transducers 5103 load cell, capacities in 5000-150,000 lb (2268.0-68,039.0 kg)
- Optional Revere Transducers 9103 stainless steel load cell. Consult Factory

# Mild Steel EZ Mount 1 Specifications

**Complete Kit!  
Compare  
& Save!**



| RATED<br>CAPACITY  | DIMENSIONS |      |       |      |      |       |       |       |       |       |              |       |       |       |       |
|--------------------|------------|------|-------|------|------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
|                    | C          | C1   | H     | H1   | H2   | L     | L1    | L2    | L3    | L4    | T            | W     | W1    | W2    | W3    |
| lb/inches          |            |      |       |      |      |       |       |       |       |       |              |       |       |       |       |
| 5000-20,000        | .56        | 1.06 | 5.31  | .75  | .50  | 11.00 | 8.00  | 3.00  | 6.00  | 6.87  | 5/8-18 UNF   | 7.50  | 4.00  | 3.00  | 6.00  |
| 30,000-60,000      | .68        | 1.19 | 8.43  | 1.00 | .75  | 15.00 | 11.50 | 5.12  | 8.00  | 8.50  | 1-14 UNS     | 10.00 | 6.00  | 5.12  | 8.00  |
| 100,000            | .81        | 1.38 | 10.37 | 1.25 | 1.25 | 18.00 | 14.00 | 7.50  | 10.00 | 9.50  | 1-14 UNS     | 12.00 | 9.00  | 7.50  | 10.00 |
| 150,000            | .81        | 1.38 | 10.37 | 1.25 | 1.25 | 18.00 | 14.00 | 7.50  | 10.00 | 9.50  | 1-14 UNS     | 12.00 | 9.00  | 7.50  | 10.00 |
| 200,000-250,000    | 1.06       | 1.88 | 16.75 | 2.00 | 2.00 | 26.00 | 20.00 | 9.00  | 12.00 | 13.00 | 1 1/2-12 UNS | 12.00 | 6.00  | 9.00  | 12.00 |
| kg/millimeters     |            |      |       |      |      |       |       |       |       |       |              |       |       |       |       |
| 2268.0-9071.9      | 14.2       | 26.9 | 134.9 | 19.1 | 12.7 | 279.4 | 203.2 | 76.2  | 139.7 | 174.5 | 5/8-18 UNF   | 190.5 | 101.6 | 76.2  | 139.7 |
| 13,607.8-27,215.5  | 17.3       | 30.2 | 214.1 | 25.4 | 19.1 | 381.0 | 292.1 | 130.0 | 203.2 | 215.9 | 1-14 UNS     | 254.0 | 152.4 | 130.1 | 203.2 |
| 45,359.2           | 20.6       | 35.1 | 263.4 | 31.8 | 31.8 | 457.2 | 355.6 | 190.5 | 254.0 | 241.3 | 1-14 UNS     | 304.8 | 228.6 | 190.5 | 254.0 |
| 68,039.0           | 20.6       | 35.1 | 263.4 | 31.8 | 31.8 | 457.2 | 355.6 | 190.5 | 254.0 | 241.3 | 1-14 UNS     | 304.8 | 228.6 | 190.5 | 254.0 |
| 90,718.5-113,398.1 | 26.9       | 47.8 | 425.5 | 50.8 | 50.8 | 660.4 | 508.0 | 228.6 | 304.8 | 330.2 | 1 1/2-12 UNS | 304.8 | 152.4 | 228.6 | 304.8 |

NOTES: • Mounting bolts (T) may project on lower side of base plate • Foundation plate not included

## EZ MOUNT 1 MILD STEEL ORDER INFORMATION

| Load Rating<br>(per module)                      | Part # | Suggested<br>List Price |
|--------------------------------------------------|--------|-------------------------|
| <b>Single Modules (Do NOT Include Load Cell)</b> |        |                         |
| 5000-20,000 lb<br>(2268.0-9071.9 kg)             | 17823  | \$295.00                |
| 30,000-60,000 lb<br>(13,607.8-27,215.5 kg)       | 17824  | \$795.00                |
| 100,000 lb (45,359.2 kg)                         | 17850  | \$1,095.00              |
| 150,000 lb (68,039.0 kg)                         | 29012  | \$1,095.00              |
| 200,000-250,000 lb<br>(90,718.7-113,398.4 kg)    | 26068  | \$2,095.00              |
| <b>3-Module Kits</b>                             |        |                         |
| 5000 lb (2268.0 kg)                              | 18163  | \$2,875.00              |
| 10,000 lb (4535.9 kg)                            | 18164  | \$2,875.00              |
| 20,000 lb (9071.9 kg)                            | 18165  | \$2,875.00              |
| 30,000 lb (13,607.8 kg)                          | 32164  | \$4,545.00              |
| 40,000 lb (18,143.7 kg)                          | 32167  | \$4,545.00              |
| 50,000 lb (22,679.6 kg)                          | 18166  | \$4,695.00              |
| 60,000 lb (27,215.5 kg)                          | 18167  | \$4,695.00              |
| 100,000 lb (45,359.2 kg)                         | 18168  | \$7,395.00              |
| 150,000 lb (68,040 kg)                           | 43290  | \$7,395.00              |
| <b>4-Module Kits</b>                             |        |                         |
| 5000 lb (2268.0 kg)                              | 18169  | \$3,735.00              |
| 10,000 lb (4535.9 kg)                            | 18170  | \$3,735.00              |
| 20,000 lb (9071.9 kg)                            | 18171  | \$3,735.00              |
| 30,000 lb (13,607.8 kg)                          | 32165  | \$5,765.00              |
| 40,000 lb (18,143.7 kg)                          | 32166  | \$5,765.00              |
| 50,000 lb (22,679.6 kg)                          | 18172  | \$5,935.00              |
| 60,000 lb (27,215.5 kg)                          | 18173  | \$5,935.00              |
| 100,000 lb (45,359.2 kg)                         | 18174  | \$9,665.00              |
| 150,000 lb (68,040 kg)                           | 43291  | \$9,665.00              |

## RTI EZ MOUNT 1 MILD STEEL ORDER INFORMATION

| Load Rating<br>(per module) | Part # | Suggested<br>List Price |
|-----------------------------|--------|-------------------------|
| <b>3-Module Kits</b>        |        |                         |
| 5000 lb (2268.0 kg)         | 18175  | \$2,975.00              |
| 10,000 lb (4535.9 kg)       | 18176  | \$2,975.00              |
| 20,000 lb (9071.9 kg)       | 18177  | \$2,975.00              |
| 30,000 lb (13,607.8 kg)     | 32169  | \$4,645.00              |
| 40,000 lb (18,143.7 kg)     | 32171  | \$4,645.00              |
| 50,000 lb (22,679.6 kg)     | 18178  | \$4,795.00              |
| 60,000 lb (27,215.5 kg)     | 18179  | \$4,795.00              |
| 100,000 lb (45,359.2 kg)    | 18180  | \$7,495.00              |
| 150,000 lb (68,039.0 kg)    | 18181  | \$7,495.00              |
| <b>4-Module Kits</b>        |        |                         |
| 5000 lb (2268.0 kg)         | 18182  | \$3,835.00              |
| 10,000 lb (4535.9 kg)       | 18183  | \$3,835.00              |
| 20,000 lb (9071.9 kg)       | 18184  | \$3,835.00              |
| 30,000 lb (13,607.8 kg)     | 32170  | \$5,865.00              |
| 40,000 lb (18,143.7 kg)     | 32172  | \$5,865.00              |
| 50,000 lb (22,679.6 kg)     | 18185  | \$6,035.00              |
| 60,000 lb (27,215.5 kg)     | 18186  | \$6,035.00              |
| 100,000 lb (45,359.2 kg)    | 18187  | \$9,765.00              |
| 150,000 lb (68,039.0 kg)    | 18188  | \$9,765.00              |

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Prices & Specifications subject to change without notice

# Weigh Modules • Tank and Hopper Kits

## EZ Mount 1 Stainless Steel, Rice Lake Weighing Systems



*Available in configurations with three or four mounting assemblies.*

The EZ Mount 1 Series weigh modules utilize the double-ended beam design with an articulating top plate to provide superior accuracy in any loading condition.

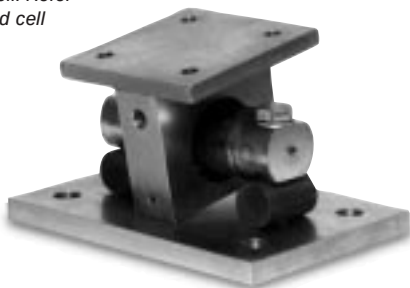
The double-ended beam design means there is less cumbersome hardware and each module has a lower profile than modules of different configurations.

FM approved RL70000 SS Series load cells give you accuracy and dependability in any environment, including intrinsically safe and explosion proof areas.

Load Cell Certifications:



*Module with RL70000 SS double-ended shear beam load cell. Refer to page 132 for load cell specifications.*



### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 EZ Mount 1 stainless steel compression mounts
- 3 or 4 RL70000 SS stainless steel double-ended shear beam load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Medium- to heavy-capacity tank and hopper weighing applications

### STANDARD FEATURES:

- Capacities (per module): 5000-150,000 lb (2268-60,039.0 kg)
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded double-ended shear beam design
- Low-profile design
- 304 stainless steel construction

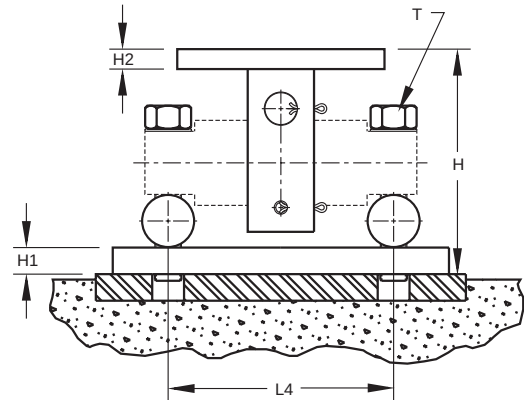
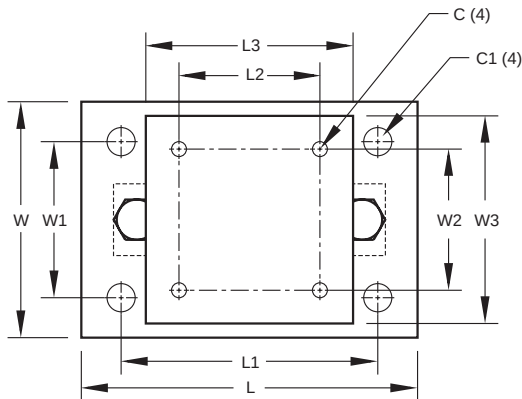
### OPTIONAL FEATURES:

- Kits available with Revere Transducers 9103 load cell, capacities in 5000-150,000 lb (2268.0-68,039.0 kg)

# Stainless Steel EZ Mount 1 Specifications

**Complete Kit!  
Compare  
& Save!**

**PRICES  
REDUCED**



| RATED<br>CAPACITY     | DIMENSIONS |      |       |      |      |       |       |       |       |       |            |       |       |       |       |
|-----------------------|------------|------|-------|------|------|-------|-------|-------|-------|-------|------------|-------|-------|-------|-------|
|                       | C          | C1   | H     | H1   | H2   | L     | L1    | L2    | L3    | L4    | T          | W     | W1    | W2    | W3    |
| <b>lb/inches</b>      |            |      |       |      |      |       |       |       |       |       |            |       |       |       |       |
| 5000-20,000           | .56        | 1.06 | 5.31  | .75  | .50  | 11.00 | 8.00  | 3.00  | 6.00  | 6.87  | 5/8-18 UNF | 7.50  | 4.00  | 3.00  | 6.00  |
| 30,000-60,000         | .68        | 1.19 | 8.43  | 1.00 | .75  | 15.00 | 11.50 | 5.12  | 8.00  | 8.50  | 1-14 UNS   | 10.00 | 6.00  | 5.12  | 8.00  |
| 100,000               | .81        | 1.38 | 10.37 | 1.25 | 1.25 | 18.00 | 14.00 | 7.50  | 10.00 | 9.50  | 1-14 UNS   | 12.00 | 9.00  | 7.50  | 10.00 |
| 150,000               | .81        | 1.38 | 10.37 | 1.25 | 1.25 | 18.00 | 14.00 | 7.50  | 10.00 | 9.50  | 1-14 UNS   | 12.00 | 9.00  | 7.50  | 10.00 |
| <b>kg/millimeters</b> |            |      |       |      |      |       |       |       |       |       |            |       |       |       |       |
| 2268.0-9071.9         | 14.2       | 26.9 | 134.9 | 19.1 | 12.7 | 279.4 | 203.2 | 76.2  | 139.7 | 174.5 | 5/8-18 UNF | 190.5 | 101.6 | 76.2  | 139.7 |
| 13,607.8-27,215.5     | 17.3       | 30.2 | 214.1 | 25.4 | 19.1 | 381.0 | 292.1 | 130.0 | 203.2 | 215.9 | 1-14 UNS   | 254.0 | 152.4 | 130.1 | 203.2 |
| 45,359.2              | 20.6       | 35.1 | 263.4 | 31.8 | 31.8 | 457.2 | 355.6 | 190.5 | 254.0 | 241.3 | 1-14 UNS   | 304.8 | 228.6 | 190.5 | 254.0 |
| 68,039.0              | 20.6       | 35.1 | 263.4 | 31.8 | 31.8 | 457.2 | 355.6 | 190.5 | 254.0 | 241.3 | 1-14 UNS   | 304.8 | 228.6 | 190.5 | 254.0 |

NOTES: • Mounting bolts (T) may project on lower side of base plate • Foundation plate not included

## EZ MOUNT 1 STAINLESS STEEL ORDER INFORMATION

| Load Rating<br>(per module)                      | Part #      | Suggested<br>List Price |
|--------------------------------------------------|-------------|-------------------------|
| <b>Single Modules (Do NOT Include Load Cell)</b> |             |                         |
| 5000-20,000 lb<br>(2268.0-9071.9 kg) .....       | 17943 ..... | \$650.00                |
| 30,000-60,000 lb<br>(13,607.8-27,215.5 kg) ..... | 17944 ..... | \$1,895.00              |
| 100,000 lb (45,359.2 kg) .....                   | 17945 ..... | \$3,495.00              |
| 150,000 lb (68,039.0 kg) .....                   | 29011 ..... | \$3,495.00              |
| <b>3-Module Kits</b>                             |             |                         |
| 5000 lb (2268.0 kg) .....                        | 36195 ..... | \$4,250.00              |
| 10,000 lb (4535.9 kg) .....                      | 36196 ..... | \$4,250.00              |
| 20,000 lb (9071.9 kg) .....                      | 36197 ..... | \$4,250.00              |
| 30,000 lb (13,607.8 kg) .....                    | 36198 ..... | \$8,100.00              |
| 40,000 lb (18,143.7 kg) .....                    | 36199 ..... | \$8,100.00              |
| 50,000 lb (22,679.6 kg) .....                    | 36200 ..... | \$8,250.00              |
| 60,000 lb (27,215.5 kg) .....                    | 36201 ..... | \$8,250.00              |
| 100,000 lb (45,359.2 kg) .....                   | 36202 ..... | \$13,150.00             |
| 150,000 lb (68,039.0 kg) .....                   | 43288 ..... | \$13,350.00             |
| <b>4-Module Kits</b>                             |             |                         |
| 5000 lb (2268.0 kg) .....                        | 36203 ..... | \$5,600.00              |
| 10,000 lb (4535.9 kg) .....                      | 36204 ..... | \$5,600.00              |
| 20,000 lb (9071.9 kg) .....                      | 36205 ..... | \$5,600.00              |
| 30,000 lb (13,607.8 kg) .....                    | 36206 ..... | \$11,075.00             |
| 40,000 lb (18,143.7 kg) .....                    | 36207 ..... | \$11,075.00             |
| 50,000 lb (22,679.6 kg) .....                    | 36208 ..... | \$11,350.00             |
| 60,000 lb (27,215.5 kg) .....                    | 36209 ..... | \$11,350.00             |
| 100,000 lb (45,359.2 kg) .....                   | 36210 ..... | \$17,450.00             |
| 150,000 lb (68,039.0 kg) .....                   | 43289 ..... | \$17,450.00             |

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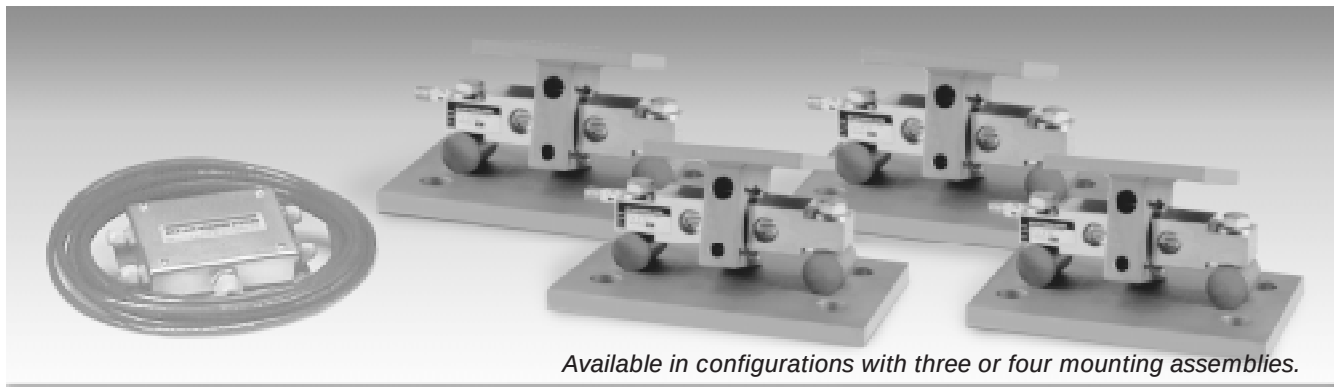
Prices & Specifications subject to change without notice



# Weigh Modules • Tank and Hopper Kits

## EZ Mount 1 HE

### Stainless Steel, Hermetically Sealed, Rice Lake Weighing Systems



*Available in configurations with three or four mounting assemblies.*

The EZ Mount 1 HE Series weigh modules utilize the double-ended beam design with an articulating top plate to provide superior accuracy in any loading condition.

The double-ended beam design means there is less cumbersome hardware and each module has a lower profile than modules of different configurations.

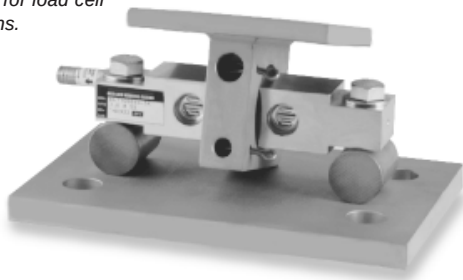
FM-approved RL71000 HE Series load cells give you accuracy and dependability in any environment, including intrinsically-safe and explosion-proof areas.

Their stainless steel, hermetically-sealed design also make them the ideal solution in harsh environments where moisture is apparent.

Load Cell Certifications:



*Module with RL71000 HE double-ended shear beam load cell. Refer to page 133 for load cell specifications.*



### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 EZ Mount 1 stainless steel compression mounts
- 3 or 4 RL71000 HE hermetically-sealed stainless steel double-ended shear beam load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Medium- to heavy-capacity tank and hopper weighing applications

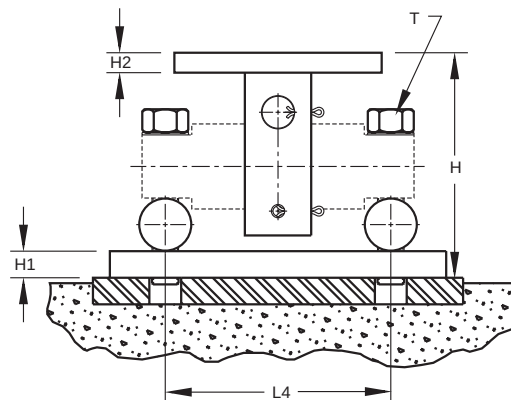
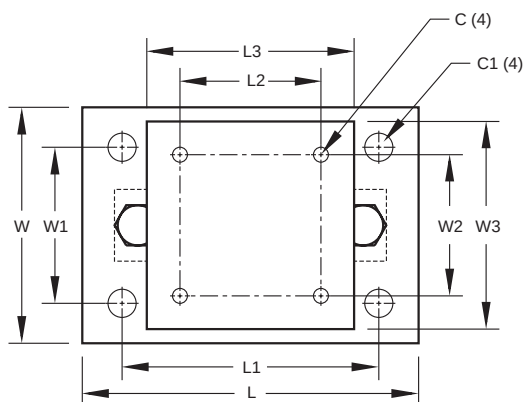
### STANDARD FEATURES:

- Capacities (per module): 5000-60,000 lb (2268-27,216.0 kg)
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded double-ended shear beam design
- Low-profile design
- 304 stainless steel construction



# Stainless Steel, Hermetically Sealed, EZ Mount 1 HE Specifications

**Complete Kit!  
Compare  
& Save!**



| RATED<br>CAPACITY     | DIMENSIONS |      |       |      |      |       |       |       |       |       |            |       |       |       |       |
|-----------------------|------------|------|-------|------|------|-------|-------|-------|-------|-------|------------|-------|-------|-------|-------|
|                       | C          | C1   | H     | H1   | H2   | L     | L1    | L2    | L3    | L4    | T          | W     | W1    | W2    | W3    |
| <b>lb/inches</b>      |            |      |       |      |      |       |       |       |       |       |            |       |       |       |       |
| 5000-20,000           | .56        | 1.06 | 5.31  | .75  | .50  | 11.00 | 8.00  | 3.00  | 6.00  | 6.87  | 5/8-18 UNF | 7.50  | 4.00  | 3.00  | 6.00  |
| 30,000-60,000         | .68        | 1.19 | 8.43  | 1.00 | .75  | 15.00 | 11.50 | 5.12  | 8.00  | 8.50  | 1-14 UNS   | 10.00 | 6.00  | 5.12  | 8.00  |
| <b>kg/millimeters</b> |            |      |       |      |      |       |       |       |       |       |            |       |       |       |       |
| 2268.0-9071.9         | 14.2       | 26.9 | 134.9 | 19.1 | 12.7 | 279.4 | 203.2 | 76.2  | 139.7 | 174.5 | 5/8-18 UNF | 190.5 | 101.6 | 76.2  | 139.7 |
| 13,607.8-27,215.5     | 17.3       | 30.2 | 214.1 | 25.4 | 19.1 | 381.0 | 292.1 | 130.0 | 203.2 | 215.9 | 1-14 UNS   | 254.0 | 152.4 | 130.1 | 203.2 |

NOTES: • Mounting bolts (T) may project on lower side of base plate • Foundation plate not included

## EZ HE MOUNT 1 STAINLESS STEEL ORDER INFORMATION

| Load Rating<br>(per module)   | Part #      | Suggested<br>List Price |
|-------------------------------|-------------|-------------------------|
| <b>3-Module Kits</b>          |             |                         |
| 5000 lb (2268.0 kg) .....     | 46695 ..... | \$4,370.00              |
| 10,000 lb (4535.9 kg) .....   | 46696 ..... | \$4,370.00              |
| 20,000 lb (9071.9 kg) .....   | 46697 ..... | \$4,370.00              |
| 30,000 lb (13,607.8 kg) ..... | 46698 ..... | \$8,320.00              |
| 40,000 lb (18,143.7 kg) ..... | 46699 ..... | \$8,320.00              |
| 50,000 lb (22,679.6 kg) ..... | 46700 ..... | \$8,385.00              |
| 60,000 lb (27,215.5 kg) ..... | 46701 ..... | \$8,385.00              |
| <b>4-Module Kits</b>          |             |                         |
| 5000 lb (2268.0 kg) .....     | 46702 ..... | \$5,795.00              |
| 10,000 lb (4535.9 kg) .....   | 46703 ..... | \$5,795.00              |
| 20,000 lb (9071.9 kg) .....   | 46704 ..... | \$5,795.00              |
| 30,000 lb (13,607.8 kg) ..... | 46705 ..... | \$11,295.00             |
| 40,000 lb (18,143.7 kg) ..... | 46706 ..... | \$11,295.00             |
| 50,000 lb (22,679.6 kg) ..... | 46707 ..... | \$11,415.00             |
| 60,000 lb (27,215.5 kg) ..... | 46708 ..... | \$11,415.00             |

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice

# Weigh Modules • Tank and Hopper Kits

## RL1600 Series

### Cast Iron, Rice Lake Weighing Systems/Sensortronics



Available in configurations with three or four mounting assemblies.

The RL1600 Series Mounting Module Kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1600 Series kit is ideally suited for indoor and outdoor process control operations in the medium- to high-capacity ranges. Each module incorporates self-checking capabilities for thermal expansion and contraction.

Load Cell Certifications:



Cast iron module with RL75016 double-ended beam load cell. Refer to page 134 for load cell specifications.



### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL1600 cast iron compression mounts
- 3 or 4 RL75016 double-ended shear beam load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Medium- to heavy-capacity tanks, bins, and hoppers
- Bulk material management
- Dry ingredient batching, mixing, and blending

### STANDARD FEATURES:

- Capacities (per module): 1000-25,000 lb (453.6-11,339.8 kg)
- Cast iron construction
- Self-checking easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Environmentally protected load cells
- Double-ended beam design, center loaded

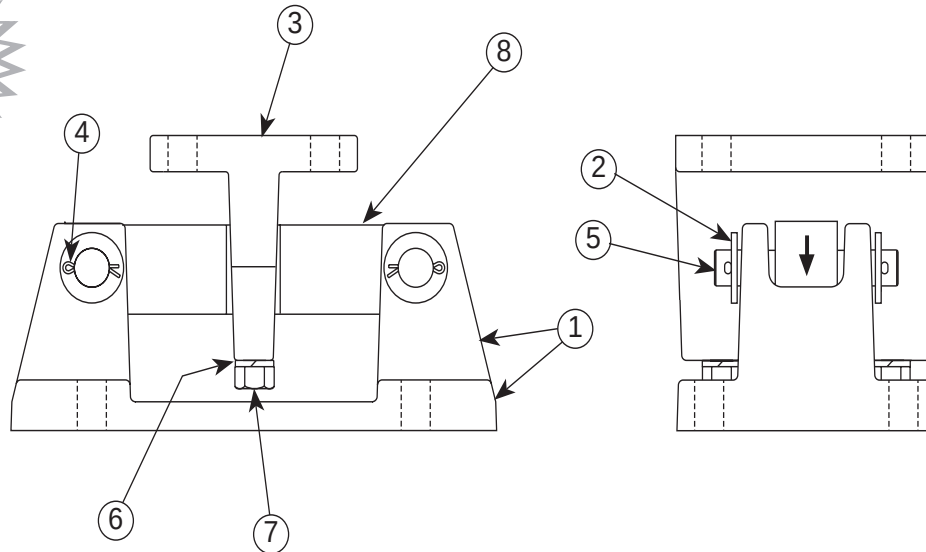
### OPTIONAL FEATURES:

- Kits available with Sensortronics 65016 load cells, capacities (per module): 1000-25,000 lb (453.6-11,339.8 kg)

# Cast Iron RL1600 Series Specifications

**Complete Kit!  
Compare  
& Save!**

**NEW  
LOWER  
PRICES**



| RATED<br>CAPACITY     | DIMENSIONS |       |      |      |       |       |       |       |            |       |       |       |       |
|-----------------------|------------|-------|------|------|-------|-------|-------|-------|------------|-------|-------|-------|-------|
|                       | C          | H     | H1   | H2   | L     | L1    | L2    | L3    | T          | W     | W1    | W2    | W3    |
| <b>lb/inches</b>      |            |       |      |      |       |       |       |       |            |       |       |       |       |
| 1000-5000             | .56        | 5.00  | .50  | .50  | 9.31  | 2.75  | 4.00  | 6.25  | 1/2-13 UNC | 5.00  | 3.75  | 2.75  | 4.00  |
| 10,000-25,000         | .78        | 7.89  | .75  | .75  | 12.00 | 6.00  | 8.00  | 7.50  | 3/4-10 UNC | 8.00  | 6.00  | 6.00  | 8.00  |
| <b>kg/millimeters</b> |            |       |      |      |       |       |       |       |            |       |       |       |       |
| 453.6-2268.0          | 14.2       | 127.0 | 12.7 | 12.7 | 236.5 | 69.9  | 101.6 | 158.8 | 1/2-13 UNC | 127.0 | 95.3  | 69.9  | 101.6 |
| 4535.9-11,339.8       | 19.8       | 200.4 | 19.1 | 19.1 | 304.8 | 152.4 | 203.2 | 190.5 | 3/4-10 UNC | 203.2 | 152.4 | 152.4 | 203.2 |

## RL1600 ORDER INFORMATION

| Load Rating<br>(per module)                      | Part # | Suggested<br>List Price |
|--------------------------------------------------|--------|-------------------------|
| <b>Single Modules (Do NOT Include Load Cell)</b> |        |                         |
| 1000-5000 lb<br>(453.6-2268.0 kg)                | 17964  | \$150.00                |
| 10,000-25,000 lb<br>(4535.9-11,339.8 kg)         | 17965  | \$290.00                |
| <b>3-Module Kits</b>                             |        |                         |
| 1000 lb (453.6 kg)                               | 25663  | \$1,995.00              |
| 1500 lb (680.4 kg)                               | 25664  | \$1,995.00              |
| 2000 lb (907.2 kg)                               | 25665  | \$1,995.00              |
| 2500 lb (1134.0 kg)                              | 25666  | \$1,995.00              |
| 3000 lb (1360.8 kg)                              | 25667  | \$1,995.00              |
| 5000 lb (2268.0 kg)                              | 25668  | \$1,995.00              |
| 10,000 lb (4535.9 kg)                            | 25669  | \$2,595.00              |
| 15,000 lb (6803.9 kg)                            | 25671  | \$2,595.00              |
| 20,000 lb (9071.9 kg)                            | 25672  | \$2,595.00              |
| 25,000 lb (11,339.8 kg)                          | 25674  | \$2,595.00              |
| <b>4-Module Kits</b>                             |        |                         |
| 1000 lb (453.6 kg)                               | 25675  | \$2,550.00              |
| 1500 lb (680.4 kg)                               | 25676  | \$2,550.00              |
| 2000 lb (907.2 kg)                               | 25677  | \$2,550.00              |
| 2500 lb (1134.0 kg)                              | 25678  | \$2,550.00              |
| 3000 lb (1360.8 kg)                              | 25679  | \$2,550.00              |
| 5000 lb (2268.0 kg)                              | 25680  | \$2,550.00              |
| 10,000 lb (4535.9 kg)                            | 25681  | \$3,350.00              |
| 15,000 lb (6803.9 kg)                            | 25682  | \$3,350.00              |
| 20,000 lb (9071.9 kg)                            | 25683  | \$3,350.00              |
| 25,000 lb (11,339.8 kg)                          | 25684  | \$3,350.00              |

## SENSORTRONICS 65016 ORDER INFORMATION

| Load Rating<br>(per module) | Part # | Suggested<br>List Price |
|-----------------------------|--------|-------------------------|
| <b>3-Module Kits</b>        |        |                         |
| 1000 lb (453.6 kg)          | 25685  | \$2,350.00              |
| 1500 lb (680.4 kg)          | 25686  | \$2,350.00              |
| 2500 lb (1134.0 kg)         | 25688  | \$2,350.00              |
| 5000 lb (2268.0 kg)         | 25690  | \$2,350.00              |
| 10,000 lb (4535.9 kg)       | 25691  | \$2,950.00              |
| 15,000 lb (6803.9 kg)       | 25692  | \$2,950.00              |
| 20,000 lb (9071.9 kg)       | 25693  | \$2,950.00              |
| 25,000 lb (11,339.8 kg)     | 25694  | \$2,950.00              |
| <b>4-Module Kits</b>        |        |                         |
| 1000 lb (453.6 kg)          | 25695  | \$3,050.00              |
| 1500 lb (680.4 kg)          | 25696  | \$3,050.00              |
| 2500 lb (1134.0 kg)         | 25698  | \$3,050.00              |
| 5000 lb (2268.0 kg)         | 25700  | \$3,050.00              |
| 10,000 lb (4535.9 kg)       | 25701  | \$3,875.00              |
| 15,000 lb (6803.9 kg)       | 25702  | \$3,875.00              |
| 20,000 lb (9071.9 kg)       | 25703  | \$3,875.00              |
| 25,000 lb (11,339.8 kg)     | 25704  | \$3,875.00              |

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Prices & Specifications subject to change without notice

# Weigh Modules • Tank and Hopper Kits

## RL1600 Series

Mild Steel, Rice Lake Weighing Systems/Sensortronics



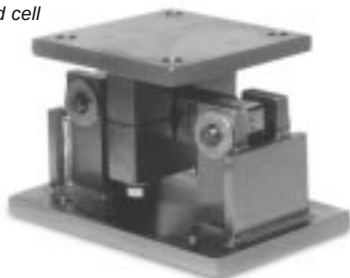
Available in configurations with three or four mounting assemblies.

The RL1600 Series Mounting Module Kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1600 Series kit is ideally suited for indoor and outdoor process control operations in the medium- to high-capacity ranges. Each module incorporates self-checking capabilities for thermal expansion and contraction.

Load Cell Certifications:



Mild steel module with RL75016 double-ended beam load cell. Refer to page 134 for load cell specifications.



### Complete Kit Includes:

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL1600 zinc-plated mild steel compression mounts
- 3 or 4 RL75016 double-ended shear beam load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### APPLICATIONS:

- Medium- to heavy-capacity tanks, bins, and hoppers
- Bulk material management
- Dry ingredient batching, mixing, and blending

### STANDARD FEATURES:

- Capacities (per module): 1000-75,000 lb (453.6-34,019.5 kg)
- Zinc plated, mild steel construction
- Self-checking easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Environmentally protected load cells
- Double-ended shear beam design, center loaded

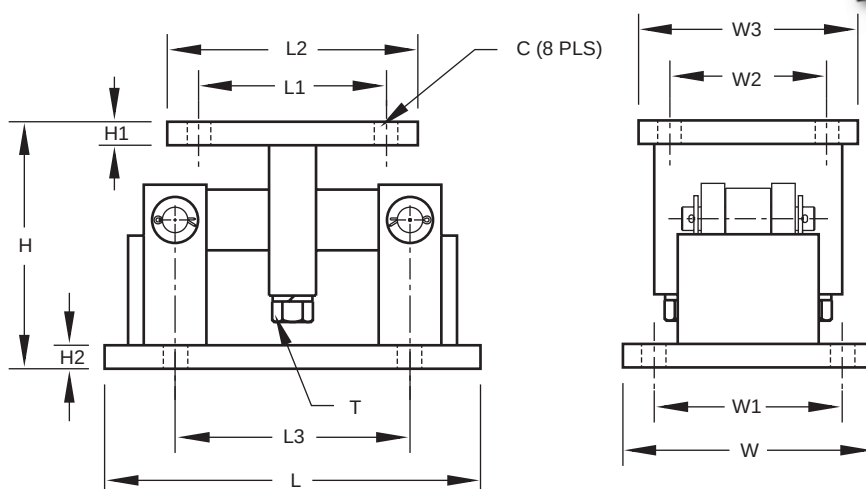
### OPTIONAL FEATURES:

- Kits available with Sensortronics 65016 load cells, capacities (per module): 1000-75,000 lb (453.6-34,019.5 kg)

# Mild Steel RL1600 Series Specifications

**Complete Kit!  
Compare  
& Save!**

**NEW  
LOWER  
PRICES**



| RATED CAPACITY        | C    | H     | H1   | H2   | L     | DIMENSIONS |       |       | T           | W     | W1    | W2    | W3    |
|-----------------------|------|-------|------|------|-------|------------|-------|-------|-------------|-------|-------|-------|-------|
| <b>lb/inches</b>      |      |       |      |      |       |            |       |       |             |       |       |       |       |
| 1000-5000             | .56  | 5.00  | .50  | .50  | 9.25  | 2.75       | 4.00  | 6.25  | 1/2-13 UNC  | 5.00  | 3.75  | 2.75  | 4.00  |
| 10,000-25,000         | .78  | 7.87  | .75  | .75  | 12.00 | 6.00       | 8.00  | 7.50  | 3/4-10 UNC  | 8.00  | 6.00  | 6.00  | 8.00  |
| 50,000-75,000         | .78  | 9.31  | 1.00 | 1.00 | 16.25 | 6.50       | 9.00  | 11.50 | 1 1/4-7 UNC | 12.00 | 9.50  | 6.50  | 9.00  |
| <b>kg/millimeters</b> |      |       |      |      |       |            |       |       |             |       |       |       |       |
| 453.6-2268.0          | 14.2 | 127.0 | 12.7 | 12.7 | 235.0 | 69.9       | 101.6 | 158.8 | 1/2-13 UNC  | 127.0 | 95.3  | 69.9  | 101.6 |
| 4535.9-11,339.8       | 19.8 | 199.9 | 19.1 | 19.1 | 304.8 | 152.4      | 203.2 | 190.5 | 3/4-10 UNC  | 203.2 | 152.4 | 152.4 | 203.2 |
| 22,679.7-34,019.5     | 19.8 | 236.5 | 25.4 | 25.4 | 412.8 | 165.1      | 228.6 | 292.1 | 1 1/4-7 UNC | 304.8 | 241.3 | 165.1 | 228.6 |

## RL1600 ORDER INFORMATION

| Load Rating<br>(per module)                      | Part # | Suggested<br>List Price |
|--------------------------------------------------|--------|-------------------------|
| <b>Single Modules (Do NOT Include Load Cell)</b> |        |                         |
| 1000-5000 lb<br>(453.6-2268.0 kg)                | 17812  | \$150.00                |
| 10,000-25,000 lb<br>(4535.9-11,339.8 kg)         | 17814  | \$290.00                |
| 50,000 lb (22,679.6 kg)                          | 17816  | \$875.00                |
| 75,000 lb (34,019.5 kg)                          | 25346  | \$975.00                |
| <b>3-Module Kits</b>                             |        |                         |
| 1000 lb (453.6 kg)                               | 18117  | \$1,995.00              |
| 1500 lb (680.4 kg)                               | 18118  | \$1,995.00              |
| 2000 lb (907.2 kg)                               | 18119  | \$1,995.00              |
| 2500 lb (1134.0 kg)                              | 18120  | \$1,995.00              |
| 3000 lb (1360.8 kg)                              | 18121  | \$1,995.00              |
| 5000 lb (2268.0 kg)                              | 18122  | \$1,995.00              |
| 10,000 lb (4535.9 kg)                            | 18123  | \$2,595.00              |
| 15,000 lb (6803.9 kg)                            | 18124  | \$2,595.00              |
| 20,000 lb (9071.9 kg)                            | 18125  | \$2,595.00              |
| 25,000 lb (11,339.8 kg)                          | 18126  | \$2,595.00              |
| 50,000 lb (22,679.6 kg)                          | 18127  | \$5,350.00              |
| 75,000 lb (34,019.5 kg)                          | 25348  | \$5,350.00              |
| <b>4-Module Kits</b>                             |        |                         |
| 1000 lb (453.6 kg)                               | 18129  | \$2,550.00              |
| 1500 lb (680.4 kg)                               | 18130  | \$2,550.00              |
| 2000 lb (907.2 kg)                               | 18131  | \$2,550.00              |
| 2500 lb (1134.0 kg)                              | 18132  | \$2,550.00              |
| 3000 lb (1360.8 kg)                              | 18133  | \$2,550.00              |
| 5000 lb (2268.0 kg)                              | 18134  | \$2,550.00              |
| 10,000 lb (4535.9 kg)                            | 18135  | \$3,350.00              |
| 15,000 lb (6803.9 kg)                            | 18136  | \$3,350.00              |
| 20,000 lb (9071.9 kg)                            | 18137  | \$3,350.00              |
| 25,000 lb (11,339.8 kg)                          | 18138  | \$3,350.00              |
| 50,000 lb (22,679.6 kg)                          | 18139  | \$7,150.00              |
| 75,000 lb (34,019.5 kg)                          | 25349  | \$7,150.00              |

## SENSORTRONICS 65016 ORDER INFORMATION

| Load Rating<br>(per module) | Part # | Suggested<br>List Price |
|-----------------------------|--------|-------------------------|
| <b>3-Module Kits</b>        |        |                         |
| 1000 lb (453.6 kg)          | 18189  | \$2,350.00              |
| 1500 lb (680.4 kg)          | 18190  | \$2,350.00              |
| 2500 lb (1134.0 kg)         | 18192  | \$2,350.00              |
| 5000 lb (2268.0 kg)         | 18194  | \$2,350.00              |
| 10,000 lb (4535.9 kg)       | 18195  | \$2,950.00              |
| 15,000 lb (6803.9 kg)       | 18196  | \$2,950.00              |
| 20,000 lb (9071.9 kg)       | 18197  | \$2,950.00              |
| 25,000 lb (11,339.8 kg)     | 18198  | \$2,950.00              |
| 50,000 lb (22,679.6 kg)     | 18199  | \$5,795.00              |
| 75,000 lb (34,019.5 kg)     | 25350  | \$5,795.00              |
| <b>4-Module Kits</b>        |        |                         |
| 1000 lb (453.6 kg)          | 18201  | \$3,050.00              |
| 1500 lb (680.4 kg)          | 18202  | \$3,050.00              |
| 2500 lb (1134.0 kg)         | 18204  | \$3,050.00              |
| 5000 lb (2268.0 kg)         | 18206  | \$3,050.00              |
| 10,000 lb (4535.9 kg)       | 18207  | \$3,875.00              |
| 15,000 lb (6803.9 kg)       | 18208  | \$3,875.00              |
| 20,000 lb (9071.9 kg)       | 18209  | \$3,875.00              |
| 25,000 lb (11,339.8 kg)     | 18210  | \$3,875.00              |
| 50,000 lb (22,679.6 kg)     | 18211  | \$7,595.00              |
| 75,000 lb (34,019.5 kg)     | 25351  | \$7,595.00              |

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# Weigh Modules • Tank and Hopper Kits

## RL1600 Series

### Stainless Steel, Rice Lake Weighing Systems/Sensortronics



Available in configurations with three or four mounting assemblies.

The RL1600 Series Mounting Module Kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1600 Series kit is ideally suited for indoor and outdoor process control operations in the medium- to high-capacity ranges. Each module incorporates self-checking capabilities for thermal expansion and contraction.

Load Cell Certifications:



*Fabricated stainless steel module with RL75016 SS double-ended beam load cell. Refer to page 135 for load cell specifications.*



### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL1600 stainless steel compression mounts
- 3 or 4 RL75016SS stainless steel double-ended shear beam load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### **APPLICATIONS:**

- Medium- to heavy-capacity tanks, bins, and hoppers
- Bulk material management
- Dry ingredient batching, mixing, and blending

### **STANDARD FEATURES:**

- Capacities (per module): 1000-75,000 lb (453.6-34,019.5 kg)
- 304 stainless steel construction
- Self-checking easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Environmentally protected load cells
- Double-ended shear beam design, center loaded

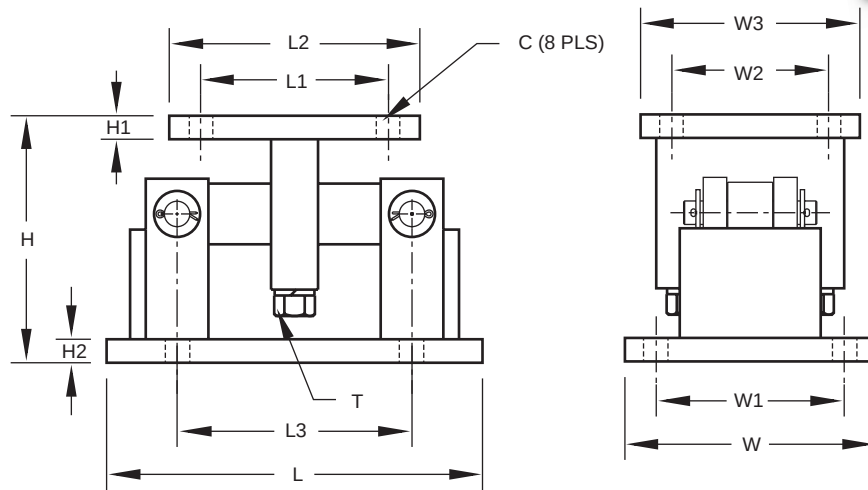
### **OPTIONAL FEATURES:**

- Kits available with Sensortronics 65016W SS load cells

# 304 Stainless Steel RL1600 Series Specifications

**Complete Kit!  
Compare  
& Save!**

**NEW  
LOWER  
PRICES**



| RATED<br>CAPACITY | DIMENSIONS |       |      |      |       |       |       |       |             |       |       |       |       |
|-------------------|------------|-------|------|------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|
|                   | C          | H     | H1   | H2   | L     | L1    | L2    | L3    | T           | W     | W1    | W2    | W3    |
| lb/inches         |            |       |      |      |       |       |       |       |             |       |       |       |       |
| 1000-5000         | .56        | 5.00  | .50  | .50  | 9.25  | 2.75  | 4.00  | 6.25  | 1/2-13 UNC  | 5.00  | 3.75  | 2.75  | 4.00  |
| 10,000-25,000     | .78        | 7.87  | .75  | .75  | 12.00 | 6.00  | 8.00  | 7.50  | 3/4-10 UNC  | 8.00  | 6.00  | 6.00  | 8.00  |
| 50,000-75,000     | .78        | 9.31  | 1.00 | 1.00 | 16.25 | 6.50  | 9.00  | 11.50 | 1 1/4-7 UNC | 12.00 | 9.50  | 6.50  | 9.00  |
| kg/millimeters    |            |       |      |      |       |       |       |       |             |       |       |       |       |
| 453.6-2268.0      | 14.2       | 127.0 | 12.7 | 12.7 | 235.0 | 69.9  | 101.6 | 158.8 | 1/2-13 UNC  | 127.0 | 95.3  | 69.9  | 101.6 |
| 4535.9-11,339.8   | 19.8       | 199.9 | 19.1 | 19.1 | 304.8 | 152.4 | 203.2 | 190.5 | 3/4-10 UNC  | 203.2 | 152.4 | 152.4 | 203.2 |
| 22,679.7-34,019.5 | 19.8       | 236.5 | 25.4 | 25.4 | 412.8 | 165.1 | 228.6 | 292.1 | 1 1/4-7 UNC | 304.8 | 241.3 | 165.1 | 228.6 |

## RL1600 ORDER INFORMATION

| Load Rating<br>(per module)                      | Part # | Suggested<br>List Price |
|--------------------------------------------------|--------|-------------------------|
| <b>Single Modules (Do NOT Include Load Cell)</b> |        |                         |
| 1000-5000 lb<br>(453.6-2268.0 kg)                | 17813  | \$565.00                |
| 10,000-25,000 lb<br>(4535.9-11,339.8 kg)         | 17815  | \$995.00                |
| 50,000 lb (22,679.6 kg)                          | 17842  | \$2,195.00              |
| 75,000 lb (34,019.5 kg)                          | 25347  | \$2,195.00              |
| <b>3-Module Kits</b>                             |        |                         |
| 1000 lb (453.6 kg)                               | 18141  | \$2,995.00              |
| 1500 lb (680.4 kg)                               | 18142  | \$2,995.00              |
| 2000 lb (907.2 kg)                               | 18143  | \$2,995.00              |
| 2500 lb (1134.0 kg)                              | 18144  | \$2,995.00              |
| 5000 lb (2268.0 kg)                              | 18145  | \$2,995.00              |
| 10,000 lb (4535.9 kg)                            | 18146  | \$4,595.00              |
| 15,000 lb (6803.9 kg)                            | 18147  | \$4,595.00              |
| 20,000 lb (9071.9 kg)                            | 18148  | \$4,595.00              |
| 25,000 lb (11,339.8 kg)                          | 18149  | \$4,595.00              |
| 50,000 lb (22,679.6 kg)                          | 18150  | \$8,995.00              |
| 75,000 lb (34,019.5 kg)                          | 25352  | \$8,995.00              |
| <b>4-Module Kits</b>                             |        |                         |
| 1000 lb (453.6 kg)                               | 18152  | \$3,850.00              |
| 1500 lb (680.4 kg)                               | 18153  | \$3,850.00              |
| 2000 lb (907.2 kg)                               | 18154  | \$3,850.00              |
| 2500 lb (1134.0 kg)                              | 18155  | \$3,850.00              |
| 5000 lb (2268.0 kg)                              | 18156  | \$3,850.00              |
| 10,000 lb (4535.9 kg)                            | 18157  | \$6,150.00              |
| 15,000 lb (6803.9 kg)                            | 18158  | \$6,150.00              |
| 20,000 lb (9071.9 kg)                            | 18159  | \$6,150.00              |
| 25,000 lb (11,339.8 kg)                          | 18160  | \$6,150.00              |
| 50,000 lb (22,679.6 kg)                          | 18161  | \$13,150.00             |
| 75,000 lb (34,019.5 kg)                          | 25353  | \$13,150.00             |

## SENSORTRONICS 65016SS ORDER INFORMATION

| Load Rating<br>(per module) | Part # | Suggested<br>List Price |
|-----------------------------|--------|-------------------------|
| <b>3-Module Kits</b>        |        |                         |
| 1000 lb (453.6 kg)          | 18213  | \$3,425.00              |
| 1500 lb (680.4 kg)          | 18214  | \$3,425.00              |
| 2500 lb (1134.0 kg)         | 18216  | \$3,425.00              |
| 5000 lb (2268.0 kg)         | 18217  | \$3,425.00              |
| 10,000 lb (4535.9 kg)       | 18218  | \$5,095.00              |
| 15,000 lb (6803.9 kg)       | 18219  | \$5,095.00              |
| 20,000 lb (9071.9 kg)       | 18220  | \$5,095.00              |
| 25,000 lb (11,339.8 kg)     | 18221  | \$5,095.00              |
| 50,000 lb (22,679.6 kg)     | 18222  | \$10,250.00             |
| 75,000 lb (34,019.5 kg)     | 25354  | \$10,250.00             |
| <b>4-Module Kits</b>        |        |                         |
| 1000 lb (453.6 kg)          | 18224  | \$4,550.00              |
| 1500 lb (680.4 kg)          | 18225  | \$4,550.00              |
| 2500 lb (1134.0 kg)         | 18227  | \$4,550.00              |
| 5000 lb (2268.0 kg)         | 18228  | \$4,550.00              |
| 10,000 lb (4535.9 kg)       | 18229  | \$6,775.00              |
| 15,000 lb (6803.9 kg)       | 18230  | \$6,775.00              |
| 20,000 lb (9071.9 kg)       | 18231  | \$6,775.00              |
| 25,000 lb (11,339.8 kg)     | 18232  | \$6,775.00              |
| 50,000 lb (22,679.6 kg)     | 18233  | \$13,695.00             |
| 75,000 lb (34,019.5 kg)     | 25355  | \$13,695.00             |

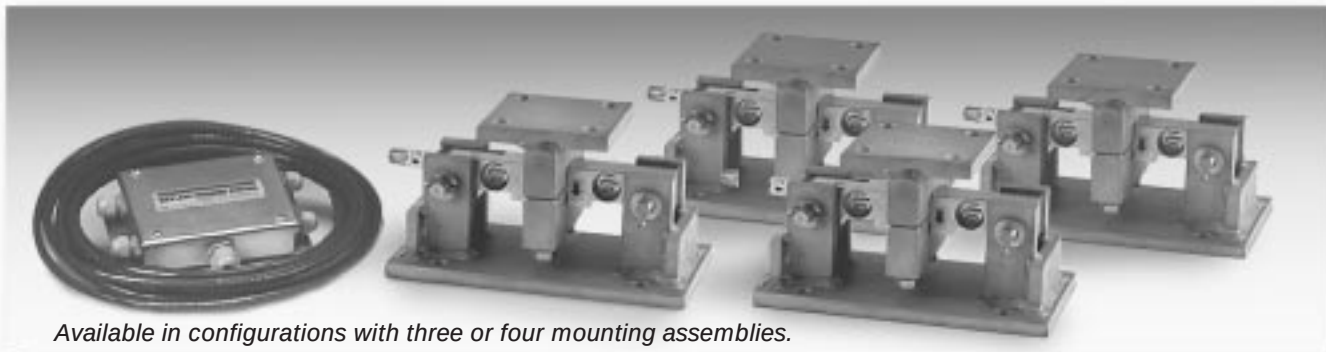
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Prices & Specifications subject to change without notice



# Weigh Modules • Tank and Hopper Kits

## RL1600 HE Series Stainless Steel, Hermetically Sealed



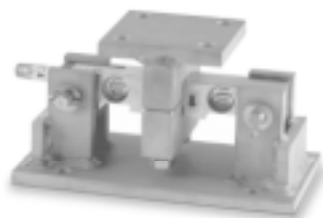
*Available in configurations with three or four mounting assemblies.*

The RL1600 HE Series Mounting Module Kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1600 HE Series kit is ideally suited for indoor and outdoor process control operations in the medium-capacity ranges. Each module incorporates self-checking capabilities for thermal expansion and contraction.

Load Cell Certifications:



*Fabricated stainless steel module with RL75016 HE double-ended beam load cell. Refer to page 136 for load cell specifications.*



### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL1600 stainless steel compression mounts
- 3 or 4 RL75016 HE stainless steel, hermetically sealed double-ended shear beam load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

### **APPLICATIONS:**

- Medium-capacity tanks, bins, and hoppers
- Bulk material management
- Dry ingredient batching, mixing, and blending

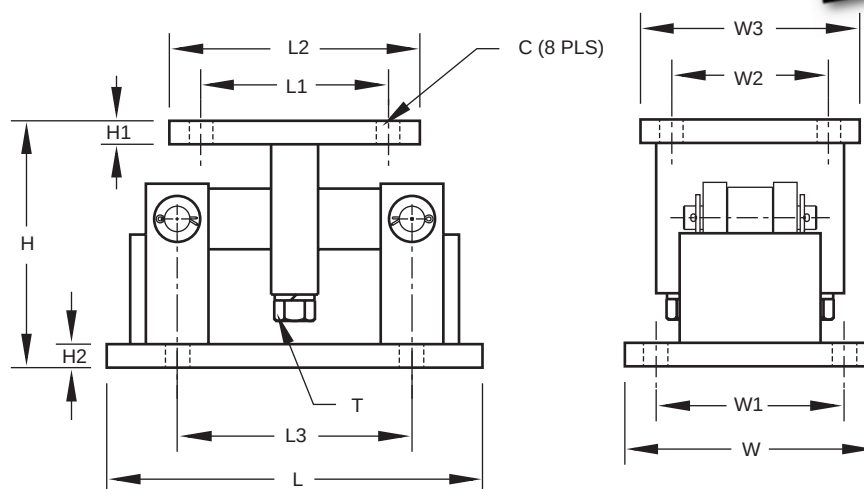
### **STANDARD FEATURES:**

- Capacities (per module): 1000-25,000 lb (453.6-11,339.8 kg)
- 304 stainless steel construction
- Self-checking easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Hermetically-sealed IP66/68 protected load cells
- Double-ended shear beam design, center loaded



# 304 Stainless Steel, Hermetically Sealed RL1600 HE Series Specifications

**Complete Kit!  
Compare  
& Save!**



| RATED<br>CAPACITY     | DIMENSIONS |       |      |      |       |       |       |       |            |       |       |       |       |
|-----------------------|------------|-------|------|------|-------|-------|-------|-------|------------|-------|-------|-------|-------|
|                       | C          | H     | H1   | H2   | L     | L1    | L2    | L3    | T          | W     | W1    | W2    | W3    |
| <b>lb/inches</b>      |            |       |      |      |       |       |       |       |            |       |       |       |       |
| 1000-5000             | .56        | 5.00  | .50  | .50  | 9.25  | 2.75  | 4.00  | 6.25  | 1/2-13 UNC | 5.00  | 3.75  | 2.75  | 4.00  |
| 10,000-25,000         | .78        | 7.87  | .75  | .75  | 12.00 | 6.00  | 8.00  | 7.50  | 3/4-10 UNC | 8.00  | 6.00  | 6.00  | 8.00  |
| <b>kg/millimeters</b> |            |       |      |      |       |       |       |       |            |       |       |       |       |
| 453.6-2268.0          | 14.2       | 127.0 | 12.7 | 12.7 | 235.0 | 69.9  | 101.6 | 158.8 | 1/2-13 UNC | 127.0 | 95.3  | 69.9  | 101.6 |
| 4535.9-11,339.8       | 19.8       | 199.9 | 19.1 | 19.1 | 304.8 | 152.4 | 203.2 | 190.5 | 3/4-10 UNC | 203.2 | 152.4 | 152.4 | 203.2 |

## RL1600 HE ORDER INFORMATION

| Load Rating<br>(per module)   | Part #      | Suggested<br>List Price |
|-------------------------------|-------------|-------------------------|
| <b>3-Module Kits</b>          |             |                         |
| 1000 lb (453.6 kg) .....      | 46723 ..... | \$3,100.00              |
| 2500 lb (1134.0 kg) .....     | 46724 ..... | \$3,100.00              |
| 5000 lb (2268.0 kg) .....     | 46725 ..... | \$3,100.00              |
| 10,000 lb (4535.9 kg) .....   | 46726 ..... | \$4,700.00              |
| 15,000 lb (6803.9 kg) .....   | 46727 ..... | \$4,700.00              |
| 25,000 lb (11,339.8 kg) ..... | 46728 ..... | \$4,700.00              |
| <b>4-Module Kits</b>          |             |                         |
| 1000 lb (453.6 kg) .....      | 46729 ..... | \$4,275.00              |
| 2500 lb (1134.0 kg) .....     | 46730 ..... | \$4,275.00              |
| 5000 lb (2268.0 kg) .....     | 46731 ..... | \$4,275.00              |
| 10,000 lb (4535.9 kg) .....   | 46732 ..... | \$6,475.00              |
| 15,000 lb (6803.9 kg) .....   | 46733 ..... | \$6,475.00              |
| 25,000 lb (11,339.8 kg) ..... | 46734 ..... | \$6,475.00              |

# Weigh Modules • Tank and Hopper Kits

---

## 65092 TWA

### Heavy-Capacity Tank Weighing Assembly, Sensortronics



*Available in configurations with three or four mounting assemblies.*

The 65092 Tank Weighing Assembly is designed for use with tanks, bins and large-capacity storage silos. Features include low-profile design for easy installation and self-checking capability with freedom of movement to accommodate for thermal expansion. Also features off-center loading/side load capabilities of up to 30% of full scale capacity. Mounting hardware is hardened alloy steel with zinc plating. The load cell is alloy steel with nickel plating. The 65092 is supplied with 25 feet of load cell cable.

#### *Complete Kit Includes:*

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 65092 zinc-plated mild steel mounting assemblies
- 3 or 4 65094 nickel plated high-alloy steel compression load cells
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

#### **APPLICATIONS:**

---

- Tank, bin and silo weighing
- Bulk inventory management

#### **STANDARD FEATURES:**

---

- Capacities: 50,000-500,000lb (22,679.7-226,796.9kg)
- Mounts directly to foundation or structural support
- Free-floating top mounting plate provides side checking with provisions for thermal expansion
- No check rods required
- Lift-off protected
- Low profile/low deflection
- Symmetrical mounting bolt pattern simplifies installation
- Integral conduit adaptor
- Accommodates Sensortronics 65094 load cell

#### **OPTIONAL FEATURES:**

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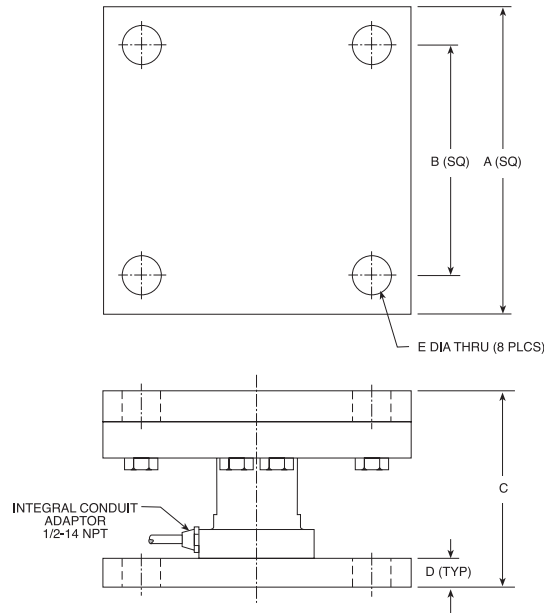
- Stainless steel versions available. Consult factory.
- High-temperature versions available. Consult factory.
- Custom mounting bolt patterns are available. Consult factory.

*Assembly with integral 65094 compression canister load cell. See next page for load cell specifications.*



# 65092 TWA Specifications

**Complete Kit!  
Compare  
& Save!**



## LOAD CELL SPECIFICATIONS:

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Safe Overload:         | 200% Full Scale Compression,<br>100% Full Scale Tension                                          |
| Full Scale Output:     | 2.0 mV/V                                                                                         |
| Rated Excitation:      | 10 VDC (25 V maximum)                                                                            |
| Nonlinearity:          | 0.1% Full Scale                                                                                  |
| Combined Error:        | 0.1% Full Scale                                                                                  |
| Temperature:           | Compensated range:<br>14°F to 104°F/10°C to 40°C                                                 |
| Bridge Resistance:     | 350 ohms                                                                                         |
| Insulation Resistance: | 5000 megohms                                                                                     |
| Material/Finish:       | High-alloy steel, nickel plated                                                                  |
| Seal Type:             | Environmentally protected                                                                        |
| Cable Length:          | 25'/7.6m                                                                                         |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                          |

| RATED<br>CAPACITY     | DIMENSIONS |       |       |      | TOTAL TOP PLATE<br>MOVEMENT |      |
|-----------------------|------------|-------|-------|------|-----------------------------|------|
|                       | A          | B     | C     | D    | E                           |      |
| <b>lb/inches</b>      |            |       |       |      |                             |      |
| 50,000                | 8.00       | 6.00  | 5.13  | 0.94 | 0.78                        | .75  |
| 100,000               | 10.00      | 7.50  | 7.38  | 1.19 | 1.12                        | 1.00 |
| 200,000               | 12.00      | 8.50  | 9.50  | 1.44 | 1.63                        | 1.00 |
| 300,000               | 14.00      | 9.50  | 11.00 | 1.94 | 1.63                        | 1.00 |
| 500,000               | 17.00      | 12.00 | 12.63 | 2.44 | 2.13                        | 1.00 |
| <b>kg/millimeters</b> |            |       |       |      |                             |      |
| 22,679.6              | 203.2      | 152.4 | 130.3 | 23.9 | 19.8                        | 19.1 |
| 45,359.4              | 254.0      | 190.5 | 187.5 | 30.2 | 28.4                        | 25.4 |
| 90,718.7              | 304.8      | 215.9 | 241.3 | 36.6 | 41.4                        | 25.4 |
| 136,078.1             | 355.6      | 241.3 | 279.4 | 49.3 | 41.4                        | 25.4 |
| 226,796.9             | 431.8      | 304.8 | 320.8 | 62.0 | 54.1                        | 25.4 |

## 65092 TWA ORDER INFORMATION

| Load Rating<br>(per module)                | Part # | Suggested<br>List Price |
|--------------------------------------------|--------|-------------------------|
| <b>Single Modules (Include Load Cell):</b> |        |                         |
| 50,000 lb (22,679.6 kg)                    | 29866  | \$1,525.00              |
| 100,000 lb (45,359.4 kg)                   | 29867  | \$2,595.00              |
| 200,000 lb (90,718.7 kg)                   | 29868  | \$4,025.00              |
| 300,000 lb (136,078.1 kg)                  | 29869  | \$4,650.00              |
| 500,000 lb (226,796.9 kg)                  | 29870  | \$5,925.00              |
| <b>3-Module Kits:</b>                      |        |                         |
| 50,000 lb (22,679.6 kg)                    | 29857  | \$4,775.00              |
| 100,000 lb (45,359.4 kg)                   | 29858  | \$7,985.00              |
| 200,000 lb (90,718.7 kg)                   | 29859  | \$12,275.00             |
| 300,000 lb (136,078.1 kg)                  | 29860  | \$14,150.00             |
| 500,000 lb (226,796.9 kg)                  | 29861  | \$17,995.00             |
| <b>4-Module Kits:</b>                      |        |                         |
| 50,000 lb (22,679.6 kg)                    | 29852  | \$6,300.00              |
| 100,000 lb (45,359.4 kg)                   | 29853  | \$10,580.00             |
| 200,000 lb (90,718.7 kg)                   | 29854  | \$16,300.00             |
| 300,000 lb (136,078.1 kg)                  | 29855  | \$18,800.00             |
| 500,000 lb (226,796.9 kg)                  | 29856  | \$23,995.00             |

**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**

Prices & Specifications subject to change without notice

# Weigh Modules

## Rocker Column Truck Scale Kit Stainless Steel, Hermetically-Sealed Load Cells



*Available in configurations with six or eight mounting assemblies.*

Some customers have existing equipment capabilities or local machining facilities that they would rather use than purchasing a complete truck scale from any supplier. For those customers, we've introduced a complete truck scale component kit. Both economical and convenient, the kit is available in 6 or 8 mount versions and installs easily. It includes new rocker column load cell technology and a low-profile mild steel construction mount.

### *Complete Kit Includes:*

- 6 or 8 Flintec RCI stainless steel, hermetically-sealed rocker column load cells
- 6 or 8 mild steel rocker column mounts
- 1 JB-808S NEMA 4 signal-trim junction box with individual and section trimming capability or 2 EL304A NEMA 4 signal-trim junction boxes with individual and section trimming capabilities
- 100' of our Hostile Environment EL147HE SURVIVOR® load cell cable

Load Cell Certifications



*Assembly with integral RC1 rocker column load cell. See page 204 for load cell specifications.*



### **APPLICATIONS:**

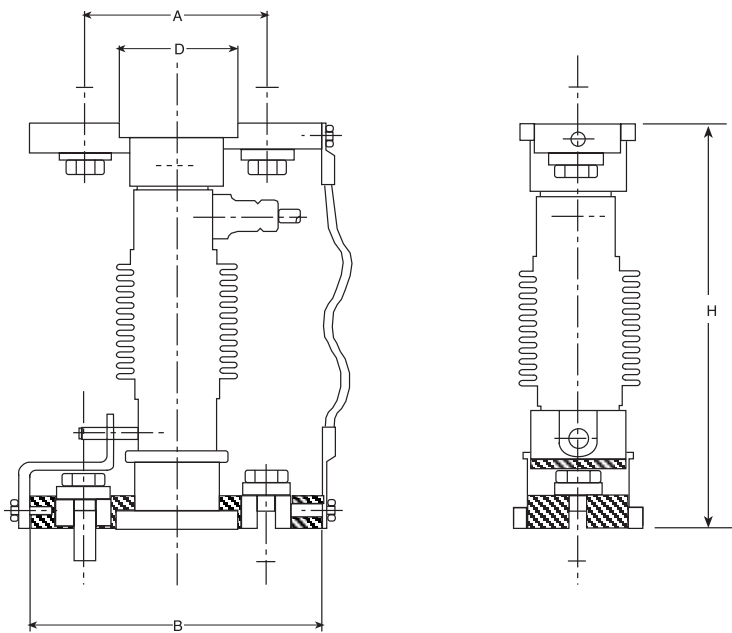
- New truck scale installations
- Updating existing electronic or mechanical truck scales

### **STANDARD FEATURES:**

- The convenience and savings of buying your components in kit form
- Mild steel mounts
- Hermetically-sealed load cells
- Lower profile than traditional alternatives
- Easier to install than canisters or double-ended beams
- Completely self centering
- Anti-rotation protection

# Rocker Column Truck Scale Kit Specifications

Complete Kit!  
Compare  
& Save!



Weigh Modules

| RATED<br>CAPACITY     | DIMENSIONS |       |      |      |      |       |
|-----------------------|------------|-------|------|------|------|-------|
|                       | A          | B     | C    | D    | E    | H     |
| <b>lb/inches</b>      |            |       |      |      |      |       |
| 100,000               | 4.33       | 6.85  | 1.97 | 2.68 | .98  | 9.92  |
| <b>kg/millimeters</b> |            |       |      |      |      |       |
| 45,359.4              | 115.1      | 174.0 | 50.0 | 68.0 | 24.9 | 252.0 |

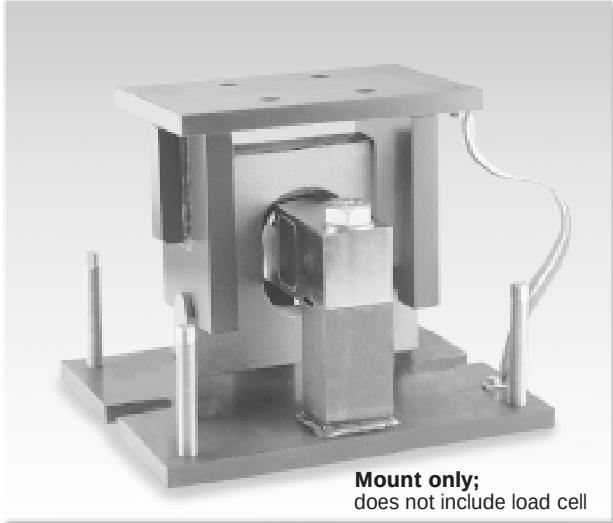
| ROCKER COLUMN TRUCK SCALE KIT ORDER INFORMATION |                           |        |                      |
|-------------------------------------------------|---------------------------|--------|----------------------|
| Scale Capacity                                  | Capacity Per Weigh Module | Part # | Suggested List Price |

|                                |                             |             |             |
|--------------------------------|-----------------------------|-------------|-------------|
| <b>6-Module Kits:</b>          |                             |             |             |
| 100,000 lb (45,359.4 kg) ..... | 50,000 lb (22,679.6 kg) ... | 48025 ..... | \$8,295.00  |
| <b>8-Module Kits:</b>          |                             |             |             |
| 100,000 lb (45,359.4 kg) ..... | 50,000 lb (22,679.6 kg) ... | 48024 ..... | \$10,775.00 |

# Weigh Modules

---

## MVS Mount Motor Vehicle/Truck Scale



Designed for the Rice Lake Weighing Systems SURVIVOR® Truck Scale product line, the MVS can also be purchased independently to support existing designs or applications. Built to withstand the punishment of the most severe environments, the MVS utilizes the center-loaded double-ended shear beam design. The mount is self-centering, which eliminates the need of costly check rods. This results in a pendulum suspension effect that eliminates binding, protects the load cells from damaging side load shocks common on truck scales, and automatically returns the mount to dead center. The mount is easy to install, and promises high performance and long life.

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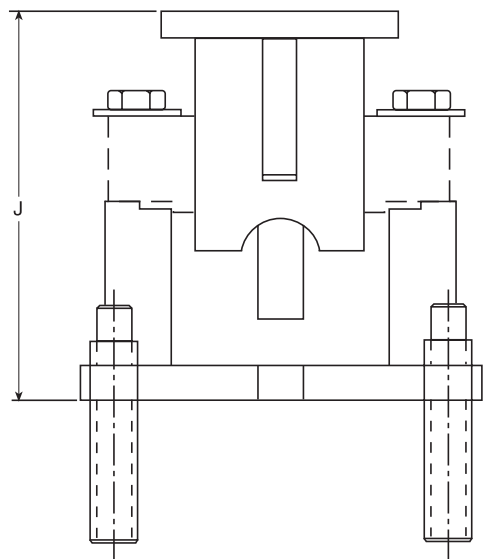
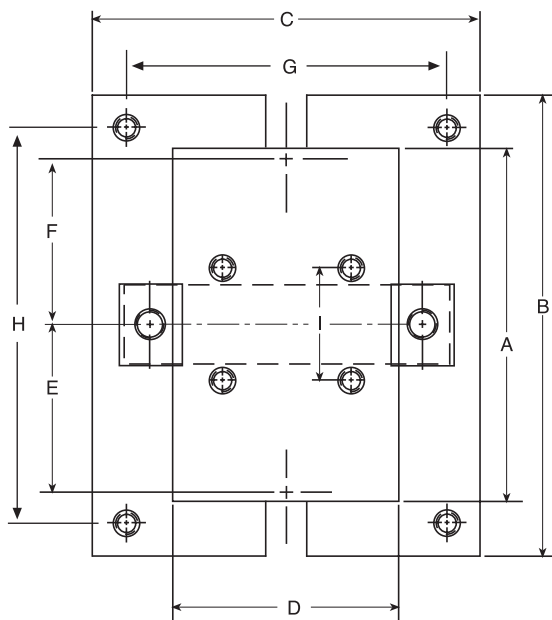
### STANDARD FEATURES:

- Capacity Design: 50,000-75,000 lb (22,680.0-34,019.4 kg)
- Mild steel construction
- Specially hardened center link
- Self-checking design
- Self-centering design
- Accommodates thermal expansion and contraction

---

### OPTIONAL FEATURES:

- Rice Lake Weighing Systems RL75058, Sensortronics 65058, Celtron CLB or Tedeo-Huntleigh 4158 load cells
- NTEP-certified versions of the above load cells available



Weigh Modules

| RATED<br>CAPACITY     | DIMENSIONS |       |       |       |       |       |       |      |       |       |
|-----------------------|------------|-------|-------|-------|-------|-------|-------|------|-------|-------|
|                       | A          | B     | C     | D     | E     | F     | G     | I    | J     | H     |
| <b>lb/inches</b>      |            |       |       |       |       |       |       |      |       |       |
| 50,000-75,000         | 11.00      | 14.25 | 12.00 | 7.00  | 5.50  | 5.50  | 7.25  | 3.50 | 11.53 | 12.25 |
| <b>kg/millimeters</b> |            |       |       |       |       |       |       |      |       |       |
| 22,679.6-34,019.4     | 279.4      | 362.0 | 304.8 | 177.8 | 139.7 | 139.7 | 184.2 | 88.9 | 292.9 | 387.4 |

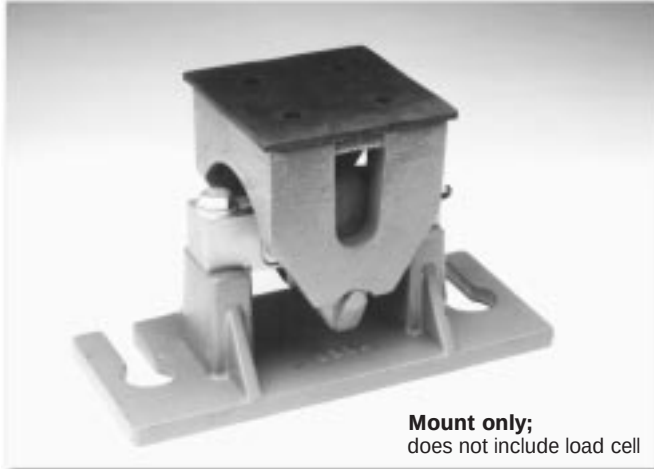
| MVS ORDER INFORMATION                    |        |                      |
|------------------------------------------|--------|----------------------|
| Load Rating                              | Part # | Suggested List Price |
| 50,000-75,000lb<br>(22,679.6-34,019.4kg) | 46441  | \$585.00             |

\* Mount only; does not include load cell.

# Weigh Modules

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## TSA Truck Scale Assembly, Sensortronics



The TSA truck scale assembly is designed for use with Rice Lake Weighing Systems RL75058, Sensortronics 65058, or Teda-Huntleigh 4158. The “Unilink” suspension design checks lateral movement of the assembly, while controlled floating of the scale deck is allowed. The effective integration of the TSA mount and the 65058 double-ended shear beam load cell eliminates the need for troublesome check rods, links, expansion assemblies and other peripheral hardware.

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### APPLICATIONS:

- Truck, track, horizontal tank or general purpose
- From light-duty livestock to heavy-duty vehicle scales

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### STANDARD FEATURES:

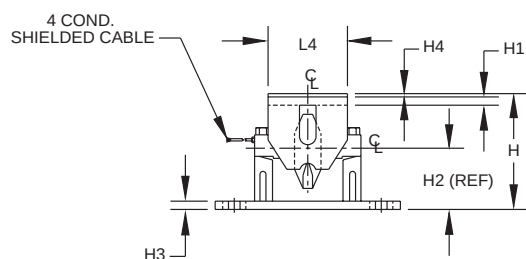
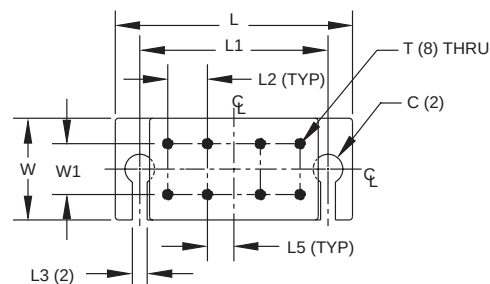
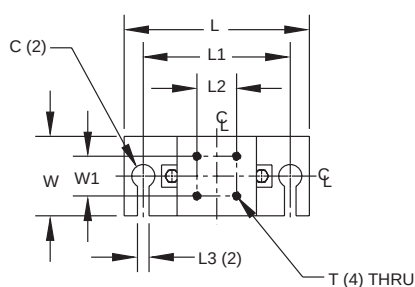
- Capacities: 10,000-75,000 lb (4535.9-34,019.4 kg)
- Constructed of cast steel and iron with primer coating
- Unique high-performance “Unilink” suspension system
- Center-loaded double-ended shear beam design
- Self-checking design
- Rubber pad provided for mounting

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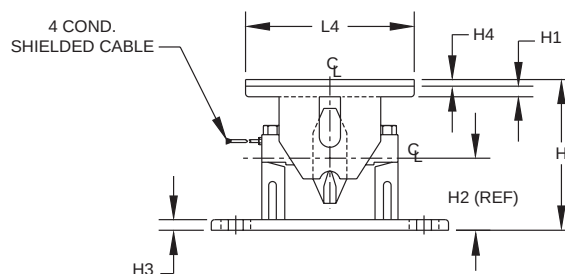
### OPTIONAL FEATURES:

- NTEP-certified load cells available for 1:10,000d, Class IIIL





10,000 lb-25,000 lb  
(4535.9 kg-11,339.8 kg)



50,000 lb-75,000 lb  
(22,679.6 kg-34,019.4 kg)

| RATED<br>CAPACITY     | DIMENSIONS |       |      |       |      |      |       |       |      |      |       |      |               |       |      |
|-----------------------|------------|-------|------|-------|------|------|-------|-------|------|------|-------|------|---------------|-------|------|
|                       | C          | H     | H1   | H2    | H3   | H4   | L     | L1    | L2   | L3   | L4    | L5   | T             | W     | W1   |
| <b>lb/inches</b>      |            |       |      |       |      |      |       |       |      |      |       |      |               |       |      |
| 10,000-25,000         | 1.75 DIA.  | 8.75  | .62  | 4.62  | .62  | .25  | 14.00 | 11.00 | 3.00 | .88  | 6.00  | —    | 5/8-11 UNC-2B | 6.00  | 3.00 |
| 50,000-75,000         | 2.00 DIA.  | 11.00 | .75  | 5.44  | .75  | .50  | 18.00 | 14.00 | 3.00 | .88  | 12.75 | 2.00 | 3/4-10 UNC-2B | 7.00  | 3.50 |
| <b>kg/millimeters</b> |            |       |      |       |      |      |       |       |      |      |       |      |               |       |      |
| 4535.9-11,339.8       | 44.5 DIA.  | 222.3 | 15.7 | 117.3 | 15.7 | 6.4  | 355.6 | 279.4 | 76.2 | 22.4 | 152.4 | —    | 5/8-11 UNC-2B | 152.4 | 76.2 |
| 22,679.6-34,019.4     | 50.8 DIA.  | 279.4 | 19.1 | 138.2 | 19.1 | 12.7 | 457.2 | 355.6 | 76.2 | 22.4 | 323.9 | 50.8 | 3/4-10 UNC-2B | 177.8 | 88.9 |

## TSA ORDER INFORMATION

| Load Rating                                                    | Part #      | Suggested List Price |
|----------------------------------------------------------------|-------------|----------------------|
| 10,000-20,000-25,000lb .....<br>(4535.9-9071.9-11,339.8kg)     | 17821 ..... | \$625.00             |
| 50,000-60,000-75,000lb .....<br>(22,679.6-27,215.5-34,019.4kg) | 17822 ..... | \$650.00             |

\* Mount only; does not include load cell. See page 286 for Sensortronics load cell model 65058 specifications. See page 137 for Rice Lake Weighing Systems load cell model RL75058 specifications. See page 311 for TedeA-Huntleigh load cell model 4158 specifications. See page 138 for HERMETIC RL75060 cell.

# Weigh Modules

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## RL8500 HE

### Stainless Steel, Hermetically Sealed, Rice Lake



This new innovative mounting assembly incorporates the load cell and mount into the same piece of hardware. The result is an extremely rugged, low-profile assembly that is capable of operating with very high performance levels in the worst of environmental conditions. This assembly is manufactured from stainless steel, and is hermetically sealed to prevent moisture intrusion. Since there is no bulky mounting hardware to deal with, the installation of the product is quick and easy. Additional features include 300% overload capabilities, and a field replaceable, stainless steel braided cable assembly. The standard cable length is 25' (7.6m), but the product can be supplied with varying lengths of cable depending upon the application. Available in capacities from 10,000 to 60,000lb (4535.9 to 27,216.0kg), this product is sure to have a big impact in the marketplace.

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#### APPLICATIONS:

- Heavy-capacity tanks, blenders, bins and hoppers
- Chemical blending/batching and mixing

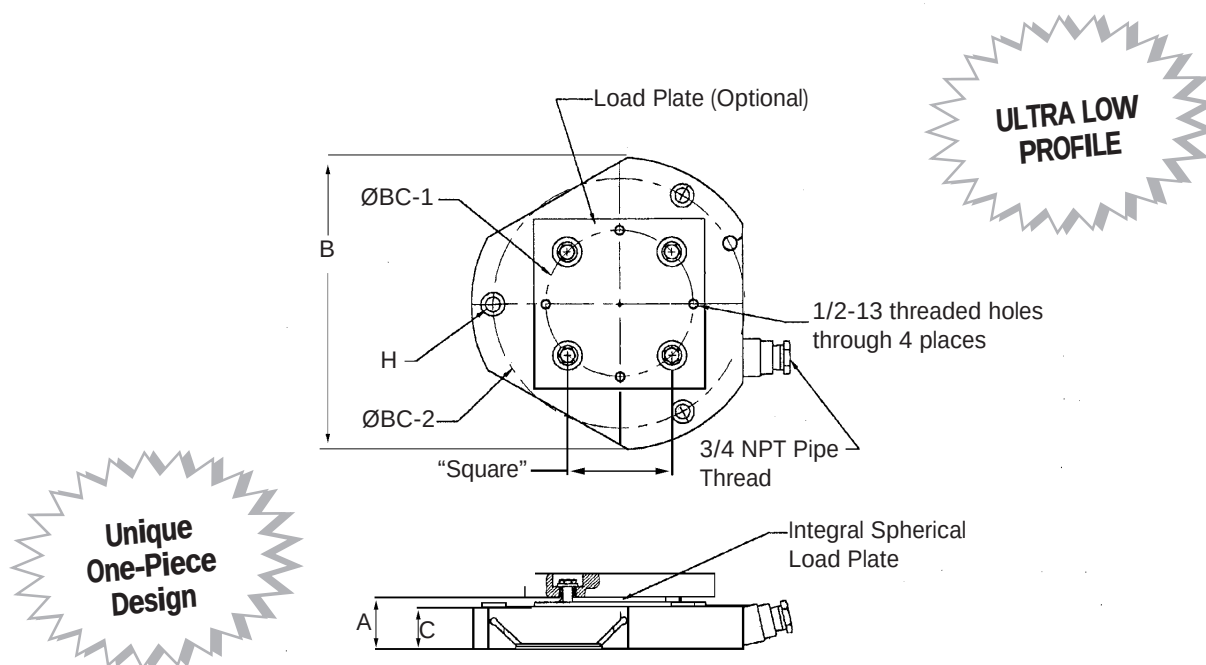
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#### STANDARD FEATURES:

- Capacities from 10,000-60,000 lb
- Stainless steel
- Hermetically sealed
- Moment corrected
- Low profile
- 300% compression overload protection
- Easy installation
- Field-replaceable, stainless steel overbraid cable
- IP66/68



# RL8500HE Specifications



| RATED<br>CAPACITY     | DIMENSIONS |       |      |        |       |       |      |
|-----------------------|------------|-------|------|--------|-------|-------|------|
|                       | A          | B     | C    | SQUARE | BC-1  | BC-2  | H    |
| <b>lb/inches</b>      |            |       |      |        |       |       |      |
| 10,000-30,000         | 2.185      | 12.00 | 1.74 | 4.00   | 5.66  | 10.25 | .781 |
| 50,000-60,000         | 2.750      | 15.50 | 2.25 | 5.50   | 7.76  | 13.30 | .781 |
| <b>kg/millimeters</b> |            |       |      |        |       |       |      |
| 4535.9-13,607.8       | 55.5       | 304.8 | 44.2 | 101.6  | 143.8 | 260.4 | 19.8 |
| 22,679.6-27,215.5     | 69.9       | 393.7 | 57.2 | 139.7  | 197.1 | 337.8 | 19.8 |

## SPECIFICATIONS:

|                        |                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                                                                          |
| Bridge Resistance:     | 1000 ohms, nominal with voltage applied                                                           |
| Material/Finish:       | Stainless steel                                                                                   |
| Temperature:           | Compensated range<br>0°F to 150°F/-18°C to 65°C                                                   |
| Safe Overload:         | 300% Full scale                                                                                   |
| Safe Sideload:         | 200% Full scale                                                                                   |
| Rated Excitation:      | 10V DC (15V maximum)                                                                              |
| Nonlinearity:          | 0.03% Full scale                                                                                  |
| Hysteresis:            | 0.03% Full scale                                                                                  |
| Insulation Resistance: | 1000 megohms                                                                                      |
| Seal Type:             | Hermetically sealed, IP66/68                                                                      |
| Cable Length:          | 25' (7.6m) Stainless steel overbraid                                                              |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                           |

## RL8500HE ORDER INFORMATION

| Load Rating                  | Part #      | Suggested List Price |
|------------------------------|-------------|----------------------|
| <b>RL8500HE</b>              |             |                      |
| 10,000 lb (4535.9kg) .....   | 53346 ..... | \$2,195.00           |
| 15,000 lb (6803.9kg) .....   | 53347 ..... | \$2,195.00           |
| 20,000 lb (9071.9kg) .....   | 53348 ..... | \$2,195.00           |
| 25,000 lb (11,339.8kg) ..... | 53349 ..... | \$2,195.00           |
| 30,000 lb (13,607.8kg) ..... | 53350 ..... | \$2,195.00           |
| 50,000 lb (22,679.6kg) ..... | 53351 ..... | \$2,195.00           |
| 60,000 lb (27,215.5kg) ..... | 53352 ..... | \$2,195.00           |
| Replacement Cable .....      | 63121 ..... | \$125.00             |

# Weigh Modules

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## RL8000 HE

### Stainless Steel, Hermetically Sealed, Rice Lake



This is the miniature version of the RL8500HE and features all of the same benefits. This new innovative mounting assembly incorporates the load cell and mount into the same piece of hardware. The result is an extremely rugged, low-profile assembly that is capable of operating with very high performance levels in the worst of environmental conditions. This assembly is manufactured from stainless steel, and is hermetically sealed to prevent moisture intrusion. Since there is no bulky mounting hardware to deal with, the installation of the product is quick and easy. The capacity range on this version is 250 to 5,000lb (113.4 to 2268.0kg).



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#### APPLICATIONS:

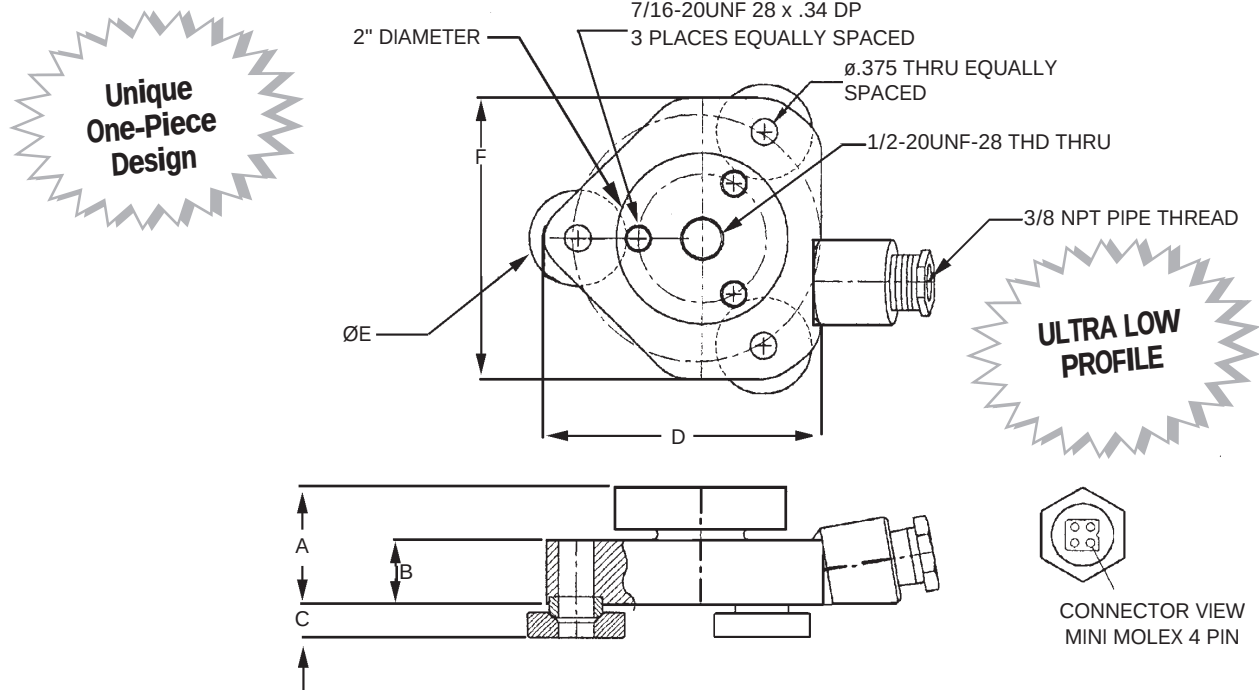
- Light- to medium-capacity tanks, bins and hoppers
- Chemical blending, batching and mixing

---

#### STANDARD FEATURES:

- Capacities from 250-5,000 lb
- Stainless steel
- Hermetically sealed
- Moment corrected
- Low profile
- 300% compression overload protection
- Easy installation
- Field-replaceable, stainless overbraid cable
- IP66/68

# RL8000HE Specifications



| RATED<br>CAPACITY                     | DIMENSIONS |      |      |      |      |      |
|---------------------------------------|------------|------|------|------|------|------|
|                                       | A          | B    | C    | D    | E    | F    |
| <b>lb/inches</b><br>250-5000          | 1.38       | .75  | .40  | 3.22 | 1.13 | 3.28 |
| <b>kg/millimeters</b><br>113.4-2268.0 | 35.1       | 19.1 | 10.2 | 81.8 | 28.7 | 83.3 |

## SPECIFICATIONS:

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                                                                         |
| Bridge Resistance:     | 1000 ohms, nominal with voltage applied                                                          |
| Material/Finish:       | Stainless steel                                                                                  |
| Temperature:           | Compensated range<br>0°F to 150°F/-18°C to 65°C                                                  |
| Safe Overload:         | 300% Full scale                                                                                  |
| Safe Sideload:         | 200% Full scale                                                                                  |
| Rated Excitation:      | 10V DC (15V maximum)                                                                             |
| Nonlinearity:          | 0.03% Full scale                                                                                 |
| Hysteresis:            | 0.03% Full scale                                                                                 |
| Insulation Resistance: | 1000 megohms                                                                                     |
| Seal Type:             | Hermetically sealed, IP66/68                                                                     |
| Cable Length:          | 25'(7.6m) Stainless steel overbraid                                                              |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |

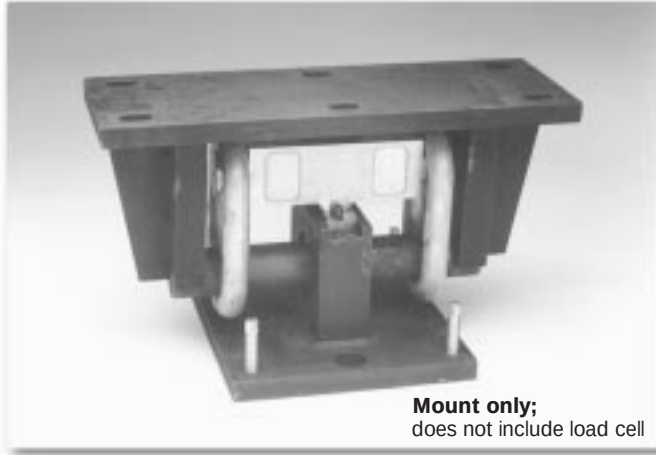
## RL8000HE ORDER INFORMATION

| Load<br>Rating           | Part #      | Suggested<br>List Price |
|--------------------------|-------------|-------------------------|
| <b>RL8000HE</b>          |             |                         |
| 250 lb (113.4kg) .....   | 53353 ..... | \$795.00                |
| 500 lb (226.8kg) .....   | 53354 ..... | \$795.00                |
| 1000 lb (453.6kg) .....  | 53355 ..... | \$795.00                |
| 2500 lb (1134.0kg) ..... | 53356 ..... | \$795.00                |
| 5000 lb (2268.0kg) ..... | 53357 ..... | \$795.00                |
| Replacement Cable .....  | 63121 ..... | \$125.00                |

# Weigh Modules

## TRANSLINK™

### Parallel Link Truck Scale Assembly, Rice Lake Weighing Systems



The TRANSLINK parallel link truck scale assembly is designed for use with Rice Lake Weighing Systems' RL75223 and RL75040A, Revere Transducer's 5223 or Sensortronics' 65040A load cells. This design allows the scale platform to move freely in all directions in a horizontal plane while causing the platform to self-center because of the pendulous action of the links.

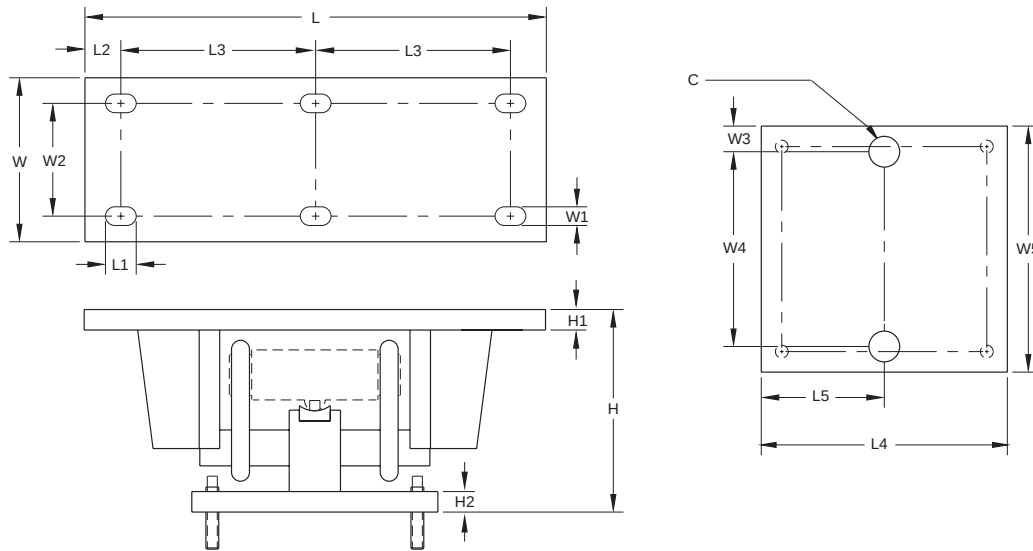
The unique parallel link design eliminates the need for costly and troublesome checkrods. Simply install platform bumpers and forget about over-travel. This mount is ideal for heavy-capacity weigh bridges.

#### APPLICATIONS:

- Truck scale mount
- Heavy-capacity horizontal tanks

#### STANDARD FEATURES:

- Capacities: 25,000-100,000lb (11,339.8-45,359.4kg)
- Center-supported, end-loaded double-ended shear beam design
- Free movement in all directions in the horizontal plane with virtually no friction
- Links provide optimal loading conditions for the cell
- Completely self-centering
- Requires no check rods
- Utilizes cells with 3mV/V output
- Models available for RLWS RL75223 and RL75040A, RTI 5223 and Sensortronics 65040A load cells



| RATED<br>CAPACITY                | DIMENSIONS |       |      |      |       |      |      |       |       |       |       |      |       |      |       |       |  |
|----------------------------------|------------|-------|------|------|-------|------|------|-------|-------|-------|-------|------|-------|------|-------|-------|--|
|                                  | C          | H     | H1   | H2   | L     | L1   | L2   | L3    | L4    | L5    | W     | W1   | W2    | W3   | W4    | W5    |  |
| lb/inches                        |            |       |      |      |       |      |      |       |       |       |       |      |       |      |       |       |  |
| 50,000-100,000 (RL75223, 5223)   | 1.50       | 12.93 | 1.00 | 1.00 | 22.50 | 1.50 | 1.75 | 9.50  | 11.75 | 5.88  | 7.75  | .91  | 5.25  | 1.25 | 9.25  | 11.75 |  |
| 25,000-40,000 (RL75040A, 65040A) | 1.50       | 9.88  | 1.00 | 1.00 | 18.50 | 1.50 | 1.75 | 7.50  | 11.75 | 5.88  | 7.75  | .91  | 5.25  | 1.25 | 9.25  | 11.75 |  |
| 50,000-75,000 (RL75040A, 65040A) | 1.50       | 12.82 | 1.00 | 1.00 | 22.50 | 1.50 | 1.75 | 9.50  | 11.75 | 5.88  | 7.75  | .91  | 5.25  | 1.25 | 9.25  | 11.75 |  |
| kg/millimeters                   |            |       |      |      |       |      |      |       |       |       |       |      |       |      |       |       |  |
| 22,679.6-45,359.4                | 38.1       | 328.4 | 25.4 | 25.4 | 571.5 | 37.5 | 44.5 | 241.3 | 298.5 | 149.4 | 196.9 | 23.1 | 133.4 | 31.8 | 235.0 | 298.4 |  |
| 11,339.8-18,143.7                | 38.1       | 251.0 | 25.4 | 25.4 | 469.9 | 37.5 | 44.5 | 190.5 | 298.5 | 149.4 | 196.9 | 23.1 | 133.4 | 31.8 | 235.0 | 298.4 |  |
| 22,679.6-34,019.4                | 38.1       | 325.6 | 25.4 | 25.4 | 571.5 | 37.5 | 44.5 | 241.3 | 298.5 | 149.4 | 196.9 | 23.1 | 133.4 | 31.8 | 235.0 | 298.4 |  |

## TRANSLINK ORDER INFORMATION

| Load Rating                                      | Part # | Suggested List Price |
|--------------------------------------------------|--------|----------------------|
| <b>For use with RL75223, 5223 Load Cells:</b>    |        |                      |
| 50,000-100,000lb<br>(22,679.6-45,359.4kg)        | 17970  | \$675.00             |
| <b>For use with RL75040A, 65040A Load Cells:</b> |        |                      |
| 25,000-40,000lb<br>(11,339.8-18,143.7kg)         | 17971  | \$675.00             |
| 50,000-75,000lb<br>(22,679.6-34,019.4kg)         | 17972  | \$675.00             |

\* Mount only; does not include load cell. See page 139 for load cell model RL75223 (RLWS), page 140 for load cell model RL75040A (RLWS), page 248 for load cell model 5223 (RTI) and page 289 for model 65040A (Sensortronics) specifications.

# Weigh Modules

## Motor Truck Scale Electronic Conversion Kit

### Rice Lake Weighing Systems



Full electronic performance can be achieved at a fraction of the cost of a new scale and pit. The MOTOR TRUCK SCALE (MTS) ELECTRONIC CONVERSION KIT is designed to transform an existing scale pit and weighbridge into a fully-electronic vehicle scale. Designed for quick installation without removing the platform or reconfiguring the pit, the conversion kit can often be installed in a matter of days, minimizing downtime. This ease of installation is important when considering installations where it is not feasible to completely remove the existing scale.

The IQ plus® 310A and IQ plus® 800 digital indicators are type approved for 10,000 divisions, as are the load cells.

*Consult your local Weights & Measures Authorities for local legal-for-trade requirements.*

#### STANDARD FEATURES:

- Cost- and time-efficient installation; no need to remove weighbridge
- Converts existing scale capacities of 40,000-300,000lb (18,143.7-90,718.7kg)
- 4-, 6- or 8-mount kits for 2-, 3- or 4-section conversions
- Translink™ heavy-capacity mounting assemblies
- Free movement in all directions in the horizontal plane with virtually no friction
- Completely self-centering
- Indicator and load cells are NTEP-certified 1:10,000 divisions, Class III L
- Requires no check rods
- Capacity per mount: 25,000-100,000 lb (11,339.8-45,359.4kg)
- Utilizes cells with 3mV/V output

#### *Complete Kit Includes:*

- 1 IQ plus 310A or IQ plus 800 digital weight indicator
- 1 TM-295 ticket printer with interface cable
- 1 JB-808S NEMA 4X signal-trim junction box with individual and section trimming capability (6- and 8-mount kits) or 1 EL211A NEMA 4X signal-trim junction box (4-mount kits)
- 1 UJB3T6 DC transient protector
- 4, 6 or 8 Translink mounting assemblies with RL75040A load cells
- 100' of Hostile Environment EL147HE SURVIVOR® load cell cable

#### APPLICATIONS:

- Updating existing mechanical motor truck scales
- Replacing unsatisfactory electronic motor truck scales
- Conversion of heavy-capacity scales into fully-electronic vehicle scales where the existing scale cannot be removed

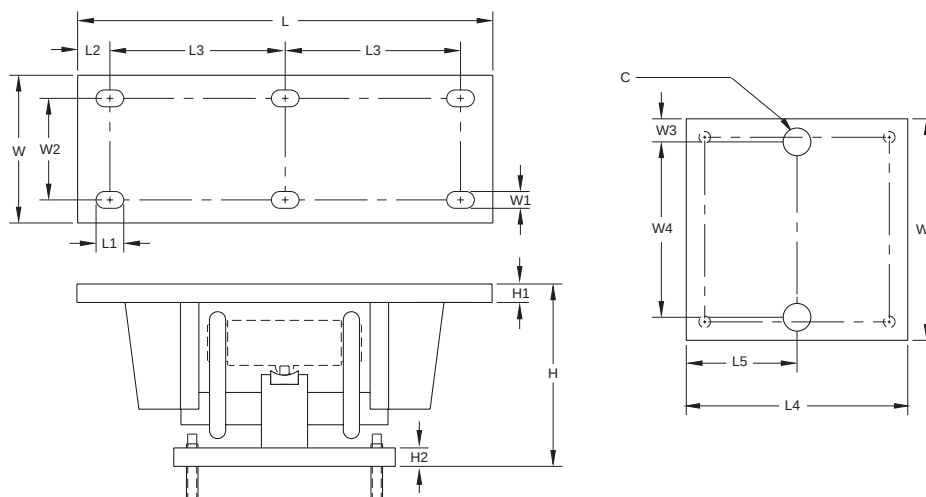
#### OPTIONAL FEATURES:

- Custom height available; consult Factory.
- RLWS RL75223 hermetically-sealed, Sensortronics 65040A or RTI 5223 load cells; consult Factory
- Available without printer and indicator



# MTS Conversion Kit Specifications

**Complete Kit!  
Compare  
& Save!**



| RATED<br>CAPACITY            | DIMENSIONS |       |      |      |       |      |      |       |       |       |       |      |       |      |       |        |
|------------------------------|------------|-------|------|------|-------|------|------|-------|-------|-------|-------|------|-------|------|-------|--------|
|                              | C          | H*    | H1   | H2   | L     | L1   | L2   | L3    | L4    | L5    | W     | W1   | W2    | W3   | W4**  | W5     |
| lb/inches                    |            |       |      |      |       |      |      |       |       |       |       |      |       |      |       |        |
| 50,000-100,000 (RL75223)     | 1.50       | 12.93 | 1.00 | 1.00 | 22.50 | 1.50 | 1.75 | 9.50  | 11.75 | 5.88  | 7.75  | .91  | 5.25  | 1.25 | 9.25  | 11.75  |
| 25,000-40,000 (RL75040A)     | 1.50       | 9.88  | 1.00 | 1.00 | 18.50 | 1.50 | 1.75 | 7.50  | 11.75 | 5.88  | 7.75  | .91  | 5.25  | 1.25 | 9.25  | 11.75  |
| 50,000-75,000 (RL75040A)     | 1.50       | 12.82 | 1.00 | 1.00 | 22.50 | 1.50 | 1.75 | 9.50  | 11.75 | 5.88  | 7.75  | .91  | 5.25  | 1.25 | 9.25  | 11.75  |
| kg/millimeters               |            |       |      |      |       |      |      |       |       |       |       |      |       |      |       |        |
| 22,679.6-45,400.00 (RL75223) | 38.1       | 328.4 | 25.4 | 25.4 | 571.5 | 37.5 | 44.5 | 241.3 | 298.5 | 149.4 | 196.9 | 23.1 | 133.4 | 31.8 | 235.0 | 298.45 |
| 11,339.8-18,143.7 (RL75040A) | 38.1       | 251.0 | 25.4 | 25.4 | 469.9 | 37.5 | 44.5 | 190.5 | 298.5 | 149.4 | 196.9 | 23.1 | 133.4 | 31.8 | 235.0 | 298.45 |
| 22,679.6-34,019.4 (RL75040A) | 38.1       | 325.6 | 25.4 | 25.4 | 571.5 | 37.5 | 44.5 | 241.3 | 298.5 | 149.4 | 196.9 | 23.1 | 133.4 | 31.8 | 235.0 | 298.45 |

\* Custom heights available; consult Factory.

\*\* Custom hole spacing for existing bolt patterns is available; consult Factory.

## MTS COMPLETE KIT ORDER INFORMATION

| Scale Capacity                                               | Capacity Per Weigh Module    | Part #      | Suggested List Price |
|--------------------------------------------------------------|------------------------------|-------------|----------------------|
| <b>Kits Including Weigh Modules, IQ plus 310A and TM-295</b> |                              |             |                      |
| <b>4-Module Kits:</b>                                        |                              |             |                      |
| 40,000 lb (18,143.7 kg) .....                                | 25,000 lb (11,339.8 kg) .... | 30519 ..... | \$7,495.00           |
| 60,000 lb (27,215.6 kg) .....                                | 40,000 lb (18,143.7 kg) .... | 30521 ..... | \$7,995.00           |
| <b>6-Module Kits:</b>                                        |                              |             |                      |
| 100,000 lb (45,359.4 kg) .....                               | 50,000 lb (22,679.6 kg) .... | 30523 ..... | \$11,595.00          |
| 120,000 lb (54,431.2 kg) .....                               | 60,000 lb (27,215.6 kg) .... | 30525 ..... | \$11,595.00          |
| <b>8-Module Kits:</b>                                        |                              |             |                      |
| 120,000 lb (54,431.2 kg) .....                               | 60,000 lb (27,215.6 kg) .... | 30527 ..... | \$14,695.00          |
| 200,000 lb (90,718.7 kg) .....                               | 75,000 lb (34,019.4 kg) .... | 30529 ..... | \$14,695.00          |
| <b>Kits Including Weigh Modules, IQ plus 800 and TM-295</b>  |                              |             |                      |
| <b>4-Module Kits:</b>                                        |                              |             |                      |
| 60,000 lb (27,215.6 kg) .....                                | 40,000 lb (18,143.7 kg) .... | 30520 ..... | \$8,295.00           |
| <b>6-Module Kits:</b>                                        |                              |             |                      |
| 100,000 lb (45,359.4 kg) .....                               | 50,000 lb (22,679.6 kg) .... | 30522 ..... | \$11,895.00          |
| 120,000 lb (54,431.2 kg) .....                               | 60,000 lb (27,215.6 kg) .... | 30524 ..... | \$11,895.00          |
| <b>8-Module Kits:</b>                                        |                              |             |                      |
| 120,000 lb (54,431.2 kg) .....                               | 60,000 lb (27,215.6 kg) .... | 30526 ..... | \$14,995.00          |
| 200,000 lb (90,718.7 kg) .....                               | 75,000 lb (34,019.4 kg) .... | 30528 ..... | \$14,995.00          |

## MTS WEIGH MODULES ORDER INFORMATION

| Scale Capacity                           | Capacity Per Weigh Module    | Part #      | Suggested List Price |
|------------------------------------------|------------------------------|-------------|----------------------|
| <b>Kits Including Weigh Modules Only</b> |                              |             |                      |
| <b>4-Module Kits:</b>                    |                              |             |                      |
| 40,000 lb (18,143.7 kg) .....            | 25,000 lb (11,339.8 kg) ...  | 30513 ..... | \$5,895.00           |
| 60,000 lb (27,215.6 kg) .....            | 40,000 lb (18,143.7 kg) ...  | 30514 ..... | \$6,395.00           |
| <b>6-Module Kits:</b>                    |                              |             |                      |
| 100,000 lb (45,359.4 kg) .....           | 50,000 lb (22,679.6 kg) ...  | 30515 ..... | \$9,995.00           |
| 120,000 lb (54,431.2 kg) .....           | 60,000 lb (27,215.6 kg) ...  | 30516 ..... | \$9,995.00           |
| <b>8-Module Kits:</b>                    |                              |             |                      |
| 120,000 lb (54,431.2 kg) .....           | 60,000 lb (27,215.6 kg) ...  | 30517 ..... | \$12,995.00          |
| 200,000 lb (90,718.7 kg) .....           | 75,000 lb (34,019.4 kg) ...  | 30518 ..... | \$12,995.00          |
| 300,000lbSD (136,078.1 kg) .             | 100,000 lb (45,359.4 kg) ... | 30512 ..... | \$15,995.00          |

SD denotes Super Duty, 100,000 lb (45,359.4 kg) capacity hermetically-sealed load cells

# Weigh Modules

## MagnaMount<sup>®</sup>

### Tank, Truck & Railroad Track Assembly, Rice Lake Weighing Systems



The MagnaMount tank, truck and railroad scale assembly is designed for use with Rice Lake Weighing Systems' RLCSP1 or Revere Transducer's CP1 or CSP1 load cells. The "Shielded Cell" load cell mounting assembly is a highly reliable design that shields the load cell from shock and side load effects, assuring accurate weighing even under adverse loading conditions.

#### APPLICATIONS:

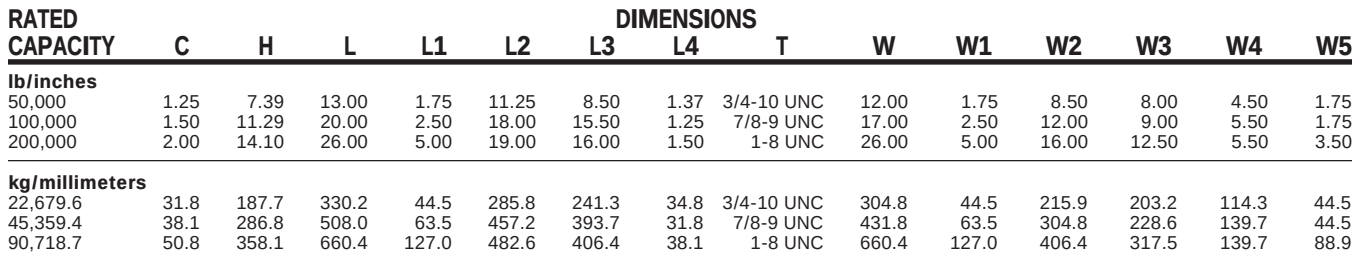
- Truck scale mount
- Heavy-capacity horizontal tanks
- Railroad track mount

#### STANDARD FEATURES:

- Capacities: 50,000, 100,000 and 200,000 lb (22,679.6, 45,359.4 and 90,718.7 kg)
- Protects load cell from shock and side loads
- Low-profile design
- High-strength load bearing plate made of high-grade carbon steel hardened to Rockwell C 48-54
- Teflon<sup>®</sup>-coated shock absorbers
- Compatible with Revere Transducer's CP1 and CSP1 and Rice Lake Weighing Systems' RLCSP1 NTEP-certified load cells

*Teflon is a registered trademark of E.I. DuPont*

## Weigh Modules



| Load Rating              | Part # | Suggested List Price |
|--------------------------|--------|----------------------|
| 50,000 lb (22,679.6 kg)  | 21723  | \$795.00             |
| 100,000 lb (45,359.4 kg) | 21724  | \$1,095.00           |
| 200,000 lb (90,718.7 kg) | 17974  | \$1,895.00           |

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# Weigh Modules • Electronic Floor Scale Underdeck Kits

COMPLETE  
KITS

## Rice Lake Weighing Systems

### Industrial Applications, Alloy Steel Load Cells

#### Kit Includes:

- (4) Celtron SQB alloy steel NTEP 5000 Divisions, Class III certified load cells
- (1) 4-channel signal trim junction box
- (4) Surefoot™ high-accuracy stainless steel support feet
- 20' / 6.1m EL147HE load cell cable
- (4) Mounting plates & (8) Load cell bolts



### High-Precision Applications, Alloy Steel NTEP-certified Load Cells

#### Kit Includes:

- (4) RL30000 alloy steel NTEP 5000 Divisions, Class III certified load cells
- (1) 4-channel signal trim junction box
- (4) Surefoot™ high-accuracy stainless steel support feet
- 20' / 6.1m EL147HE load cell cable
- (4) Mounting plates & (8) Load cell bolts

NOTES: • For complete load cell specifications, see RL30000 on page 102.  
• The use of NTEP-certified load cells in a scale base does not constitute approval of the completed base. Consult with local or state jurisdiction for compliance requirements.

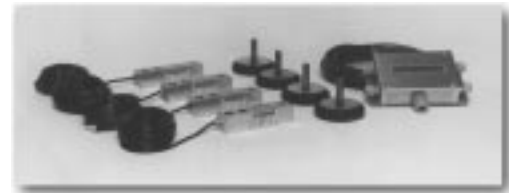


### Chemical, Dry Corrosive & Non-washdown Applications, Stainless Steel Load Cells

#### Kit Includes:

- (4) RL39123 stainless steel load cells
- (1) EL604STA stainless steel NEMA 4X junction box
- (4) Surefoot™ high-accuracy stainless steel support feet
- 20' / 6.1m EL147HE load cell cable
- (4) Mounting plates & (8) Load cell bolts

NOTES: • For complete load cell specifications, see RL39123 on page 104.



### Washdown & Wet Corrosive Applications, Welded Seal Stainless Steel Load Cells

#### Kit Includes:

- (4) RL35083 welded-seal stainless steel load cells
- (1) EL604STA stainless steel NEMA 4X junction box
- (4) Surefoot™ high-accuracy stainless steel support feet
- 20' / 6.1m EL147HE load cell cable
- (4) Mounting plates & (8) Load cell bolts

NOTES: • For complete load cell specifications, see RL35083 on page 109.



#### UNDERDECK KITS ORDER INFORMATION

| Load Cell/<br>Base Capacity                                              | Part #      | Suggested<br>List Price |
|--------------------------------------------------------------------------|-------------|-------------------------|
| <b>Kits Including Celtron SQB NTEP-certified Alloy Steel Load Cells:</b> |             |                         |
| 1000 lb for 2000 lb base (453.6 kg for 907.2 kg base).....               | 26436 ..... | \$1,095.00              |
| 2500 lb for 5000 lb base (1134.0 kg for 2268.0 kg base) ..               | 26437 ..... | \$1,095.00              |
| 4000 lb for 10,000 lb base (1814.4 kg for 4535.9 kg base) ..             | 26438 ..... | \$1,095.00              |
| <b>Kits Including RL30000 Alloy Steel NTEP-certified Load Cells:</b>     |             |                         |
| 1000 lb for 2000 lb base (453.6 kg for 907.2 kg base).....               | 19032 ..... | \$1,175.00              |
| 2500 lb for 5000 lb base (1134.0 kg for 2268.0 kg base) ..               | 19033 ..... | \$1,175.00              |
| 4000 lb for 10,000 lb base (1814.4 kg for 4535.9 kg base) ..             | 19034 ..... | \$1,175.00              |
| <b>Kits Including RL39123 Stainless Steel Load Cells:</b>                |             |                         |
| 1000 lb for 2000 lb base (453.6 kg for 907.2 kg base).....               | 19035 ..... | \$1,375.00              |
| 2500 lb for 5000 lb base (1134.0 kg for 2268.0 kg base) ..               | 19036 ..... | \$1,375.00              |
| 4000 lb for 10,000 lb base (1814.4 kg for 4535.9 kg base) ..             | 19037 ..... | \$1,375.00              |
| <b>Kits Including RL35083 Welded-Seal Load Cells:</b>                    |             |                         |
| 1000 lb for 2000 lb base (453.6 kg for 907.2 kg base).....               | 19038 ..... | \$1,595.00              |
| 2500 lb for 5000 lb base (1134.0 kg for 2268.0 kg base) ..               | 19039 ..... | \$1,595.00              |
| 4000 lb for 10,000 lb base (1814.4 kg for 4535.9 kg base) ..             | 19040 ..... | \$1,595.00              |

Scale "Underdeck" Kits are provided to meet the application needs of the electronic floor scale producer and are an easy source for rebuilding existing floor scales. Underdeck kits are provided with mounting plates and load cell bolts for easy installation.

To select the proper kit for your use, determine your application—high precision, chemical or dry corrosive, or washdown and wet corrosive—then select the appropriate kit.

## S-Beams



RL20000, Alloy Steel ..... Page 97

Ideally suited for scale conversions and general-purpose weighing. Compact and rugged design. Capacities from 25 to 20,000 lb (11.3 to 9071.9 kg). Complete with 20' (6.1m) of load cell cable.



RL20000 SS, Stainless Steel ..... Page 98

For the very first time, we are offering the RL20000SS with *NTEP certification*. This upgraded version is immediately available from stock, and is ideal for all of your tension applications. Whether it is a suspended application or mechanical scale conversion, this model provides the additional protection necessary in wet, corrosive environments. Available in capacities ranging from 50 to 10,000 lb. (22.7 to 4535.9 kg).



RL20001, Alloy Steel ..... Page 99

Ideally suited for scale conversions, tension applications and general-purpose weighing. Compact and rugged design. Capacities from 250 to 20,000 lb (113.4 to 9071.9 kg). Complete with 20' (6.1m) of load cell cable.



RL20001 HE, Stainless Steel ..... Page 100

Our fastest growing S-Beam product now has NTEP certification to go along with its unrivaled protection against the elements. The RL20001HE is a full stainless, welded seal S-Beam available in capacities ranging from 500 to 20,000 (226.8 to 9071.9 kg). This model is featured in our new ITCM HE products, and is ideal for the harshest tension mounting applications. NTEP approval from 500 to 5000 lbs.



RLETS, Alloy Steel ..... Page 101

Ideally suited for scale conversions and general-purpose weighing. OIML approved and metric envelope capacities from 250 to 2500 kg (551.2 to 5512.5 lb). Complete with 6m (19.7') of load cell cable.



## Single-Ended Beams



RL30000, RL30002, Alloy Steel Threaded/Thru ..... Page 102

Single-ended beam designed for low-profile scales and process applications. NTEP-certified cells in capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg); Non-NTEP cells from 250 to 20,000 lb (113.4 to 9071.9 kg). Complete with 20' (6.1m) of load cell cable.



RL30000W ..... Featured Products Section Page 5, Page 103

# RICE LAKE WEIGHING SYSTEMS

## Single-Ended Beams (Continued)

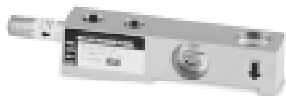
RL39123, Stainless Steel ..... Page 104



Single-ended beam in stainless steel. Designed for low-profile scales and process applications. Capacities from 250 to 10,000 lb (113.4 to 4535.9 kg). Complete with 20' (6.1m) of load cell cable.



RL30745 Single-Ended Beam, Stainless Steel, Hermetically Sealed ..... Page 105



This stainless steel, hermetically-sealed single-ended beam provides excellent protection against corrosive and washdown environments. This model is also a direct replacement cell for the Mettler-Toledo® 745 Mount. It is ideally suited for low-profile platforms and vessel weighing. Available in capacities from 1,000 to 10,000 lb (453.6 to 4535.9 kg). Complete with 20' (6.1m) of load cell cable.



RLBLC, Stainless Steel ..... Page 106



Single-ended beam in stainless steel. Designed for low-profile scales and process applications. Capacities from 1000 to 4000 lb (1134.0 to 1714.4 kg) with 10' (3.1m) of load cell cable; 5000 to 10,000 lb (2268.0 to 4535.9 kg) with 20' (6.1m) of load cell cable.

RL35023, Alloy Steel ..... Page 107



Single-ended beam designed for low-profile scales and a variety of process applications. NTEP-certified capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg); Non-NTEP cells from 500 to 20,000 lb (226.8 to 9071.9 kg). Complete with 20' (6.1m) of load cell cable.



RL35023S, Stainless Steel ..... Page 108



Single-ended beam offers stainless steel construction for corrosion resistance. Designed for low-profile scales and a variety of process applications. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg). Complete with 20' (6.1m) of load cell cable.



RL35083, Stainless Steel ..... Page 109



Model RL35083 stainless steel, welded seal single-ended beam is a precision load cell offering exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single or multiple load cell installations, the RL35083 is provided with a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg). Integral 20' (6.1m) cable.



## Single-Ended Beams (Continued)

RL35082, Stainless Steel ..... Page 110

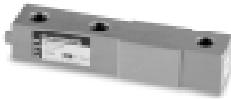


Model RL35082 stainless steel, welded seal, single-ended beam is a precision load cell offering exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single or multiple load cell installations, the RL35082 is provided with a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg). Integral 20' (6.1m) cable.



IP 66/68 Model

RL65044, Alloy Steel ..... Page 111



Designed for low-profile scales and a variety of process applications. Capacity of 4000 lb (1814.4 kg). Complete with 20' (6.1m) of load cell cable. RL65044 is a replacement for Electroscale Model 20099-002.

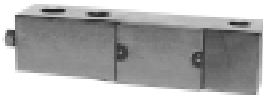
RL39523, Stainless Steel ..... Page 112



Single-ended beam offers stainless steel construction and welded sealing for use in most hostile environments. Applications include platform scales and process weighing. Suitable for washdown environments. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg). Complete with 20' (6.1m) of load cell cable.



RLETB, Alloy Steel ..... Page 113



Single-ended beam designed for low-profile scales and process applications. OIML approved and metric envelope capacities of 500 to 5000 kg (1102.3 to 11,023.1 lb). Complete with 6m (19.7') of load cell cable.



RLHTO, Stainless Steel ..... Page 114



The industry's only 6000 division OIML-approved single-ended beam. Low profile and hermetic sealing combined with high accuracy makes the RLHTO ideally suited for low-profile platforms, pallet truck weighers, tanks and silos. Hermetically sealed and polyurethane shielded cable enable it to function in harsh environments while maintaining its operating specifications. Capacities from 500 to 5000 kg (1102.3 to 11,023.1 lb). Complete with 16.4' (5m) cable.



RLHSS, Stainless Steel ..... Page 115



Stainless steel, welded seal, single-ended beam provides protection against corrosion and washdown environments. Ideally suited for low-profile platforms and vessel weighing. OIML approved and metric envelope capacities of 500 to 5000 kg (1102.3 to 11,023.1 lb). Complete with integral conduit adapter and 6m (19.7') of load cell cable.

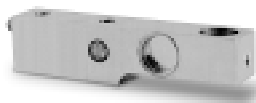




# RICE LAKE WEIGHING SYSTEMS

## Single-Ended Beams (Continued)

RLSSB, Stainless Steel ..... Page 116



Rugged and precise single-ended beam offers welded seal protection and stainless steel construction. Designed for use in the most hostile environments. Applications include platform scales, materials testing and process weighing. Capacities from 1000 to 10,000 lb (453.6-4535.9 kg). Complete with 15' (4.5m) of load cell cable.



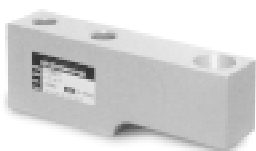
RLSB250, Stainless Steel ..... Page 117



Interchangeable with Cardinal® SB2500. Stainless steel construction with welded seal. NTEP certification capacity of 2500 lb (1134.0 kg) available. Complete with 10' (3.1m) of load cell cable.



RLSB2, Alloy Steel ..... Page 118



Single-ended beam designed as a replacement for Masstron® cells, the RLSB2 series provides a cost-effective alternative. The series features a unique patented blind load hole to increase system accuracy, and epoxy coating for added corrosion protection. Capacities from 1000 to 5000 lb (453.6 to 2268.0 kg) with 10' (3.1m) of load cell cable; 10,000 to 20,000 lb (4535.9 to 9071.9 kg) with 15' (4.6m) of load cell cable; 35,000 to 45,000 lb (15,875.7 to 20,411.9 kg) with 30' (9.2m) of load cell cable.

RLSB2L/RLSB2M, Alloy Steel/Stainless Steel ..... Page 119



Single-ended beam designed as a replacement for Masstron® cells, the RLSB2L series provides a cost-effective alternative. The series features a unique patented blind load hole to increase system accuracy. 1000, 5000 and 10,000 lb versions are constructed of stainless steel; 20,000, 35,000 and 45,000 lb are epoxy-coated alloy steel. Capacities from 1000 to 5000 lb (453.6 to 2268.0 kg) with 10' (3.1m) of load cell cable; 10,000 to 20,000 lb (4535.9 to 9071.9 kg) with 15' (4.6m) of load cell cable; 35,000 to 45,000 lb (15,875.7 to 20,411.9 kg) with 30' (9.2m) of load cell cable.



RL50210, Alloy Steel ..... Page 120



Designed for tension- or compression-loading applications. Capacities from 25 to 500 lb (11.3 to 226.8 kg). Complete with 20' (6.1m) of load cell cable.



RL50210SS, Stainless Steel ..... Featured Products Section Page 7, Page 121



## Single-Ended Beams (Continued)



RL40BBS, Alloy Steel ..... Page 122

Designed for precision force and weight measurement. Capacities from 50 to 2500 lb (22.7 to 1134.0 kg). Complete with 10' (3.1m) of load cell cable.



RLHBB, Stainless Steel ..... Page 123

Stainless steel construction, hermetic sealing and polyurethane shielded cable enable the RLHBB to function in harsh environments while maintaining its operating specifications. Suitable for low-profile platforms, weighing and packing machines, electro-mechanical conversions and general-purpose weighing applications. OIML C4-certified capacities from 5 to 500 kg (11.0 to 1102.3 lb). Complete with 10' (3.1m) of load cell cable.



RLMK15, Alloy Steel ..... Page 124

Designed as a replacement for NCI®/Weigh-Tronix® Mark 15 floor scale load cell. The RLMK15 provides a full-featured, cost-effective alternative. Capacities of 500 lb to 4000 lb (453.6 to 1134.0 kg). Complete with 20' (6.1m) of load cell cable.



RL32155, Stainless Steel ..... Page 125

Designed as a replacement for Mettler-Toledo® 2155 and 2885 platform load cells. Stainless steel construction and epoxy potting provide a more durable, cost-effective alternative. Load cups used in Toledo platforms are also available. Capacities from 500 to 2000 lb (226.8 to 907.2 kg). Complete with 15' (4.6m) of load cell cable.



RL50500, Stainless Steel ..... Page 126

Extremely low profile stainless steel design offers a highly-versatile, accurate and durable product. Designed as a replacement for the Electroscale 017116-001, the RL50500 is also well suited to many OEM applications where a low profile, durable, accurate load cell is needed. Capacity of 500 lb (226.8 kg). Complete with 15' (4.6m) of load cell cable.



RL75000 SS, Stainless Steel ..... Featured Products Section Page 8, Page 127



RLSBF, Stainless Steel ..... Page 128

Bending beam replacement for the Fairbanks low profile floor scale. Stainless steel in capacities of 1500 lb (680.4 kg) and 2500 lb (1,134 kg). 20' (6.1m) of cable.



RLBLF, Stainless Steel ..... Page 129

Stainless steel bending beam replacement for the Fairbanks low profile floor scales. Capacities of 1500 lb (680.4 kg) and 2500 lb (1,134 kg). 20' (6.1m) of cable.

# RICE LAKE WEIGHING SYSTEMS

## Single-Ended Beams (continued)

RLBEAM, Stainless Steel ..... Page 130



This is an interchangeable load cell with a popular industry standard, except this version has been upgraded with hermetic sealing. Hermetic sealing delivers a longer life cycle, as well as superior protection against corrosive, wet, humid environments. Another unique feature of this design is the 300% safe overload rating. A 1/4" NPT threaded, welded pipe nipple is also a standard feature of the RLKIS. This model is intended as a replacement load cell, although mounting hardware can be fabricated for new applications. Available in capacities ranging from 10 kN to 200 kN (2,248 to 44,960 lb). Complete with 30' (9.2 m) of cable.



## Double-Ended Beams

RL70000, Alloy Steel ..... Page 131



Double-ended beam with center loading. Designed for truck, tank and hopper applications. Capacities from 5000 to 250,000 lb (2268.0 to 113,400 kg). Complete with 30' (9.2m) load cell cable.



RL70000 SS, Stainless Steel ..... Page 132



Stainless steel double-ended beam load cell designed for truck, track, and process weighing. High accuracy, low profile, and tolerances to non-axial loading and redundant seal. Capacities from 5000 to 150,000 lb (2268.0 to 68,038.9 kg). Complete with 30' (9.2m) of load cell cable.



RL71000HE, Stainless Steel ..... Page 133



This hermetically-sealed stainless steel double-ended beam is an ideal replacement for the RL70000SS or RTI 9103 where moisture is a concern. Although this design is square instead of round, these cells will fit into the popular EZ Mount 1. Capacities from 5000 to 60,000 lb (2268.0 to 27,216.0 kg). Complete with 25' (9.2m) load cell cable.



RL75016, Alloy Steel ..... Page 134



Double-ended beam with center loading. Designed for tank and hopper applications. Capacities from 1000 to 75,000 lb (453.6 to 34,019.4 kg). Complete with 25' (7.6m) of load cell cable.

## Double-Ended Beams (Continued)

RL75016 SS, Stainless Steel ..... Page 135



Double-ended beam with center loading. Designed for tank and hopper applications. Stainless steel provides protection against corrosive materials. Capacities from 1000 to 75,000 lb (453.6 to 34,019.4 kg). Complete with 25' (7.6m) of load cell cable.



RL75016HE, Stainless Steel ..... Page 136



Double-ended beam with center loading. Designed for tank and hopper applications. Stainless steel construction and hermetic sealing provide protection in hostile environments. Capacities from 1000 to 25,000 lb (453.6 to 11,339.8 kg). Complete with 25' (7.6m) of load cell cable.

RL75058, Alloy Steel ..... Page 137



Nickel plated and environmentally protected with stainless steel side plates. Designed for center link loading and compatibility with the Unilink or similar suspension systems up to 75,000 lb (34,019.4 kg). Capacities from 20,000 to 125,000 lb (9071.9 to 56,699.1 kg). Complete with 25' (7.6m) of load cell cable.



RL75060S, Stainless Steel ..... Page 138



With welded seal and NTEP certification to 10,000 divisions, the RL75060S provides the ultimate in durability and accuracy in high-capacity process measurement and control. It is also ideal for vehicle weighing in hostile environments. Capacities from 20,000 to 100,000 lb (9071.9 to 45,359.4 kg). Complete with 35' (6.1m) of load cell cable.



RL75223, Alloy Steel ..... Page 139



Very high performance end-loaded, center-supported shear beam designed for low-profile truck and track scales in harsh environments. Welded seal provides superior protection. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Compatible with Translink Mounts. Capacities from 50,000 to 100,000 lb (22,679.6 to 45,359.2 kg). Complete with 40' (12.2m) of load cell cable.



RL75040A, Alloy Steel ..... Page 140



Double-ended beam load cell. Nickel plated and environmentally protected with stainless steel plates. Designed for center mounting and double link loading, compatible with Unilink/Translink suspension up to 75,000 lb (34,019.4 kg). Capacities from 25,000 to 125,000 lb (11,339.8 to 56,699.1 kg). Integral 35' (10.6m) cable. Optional 50' (15.3m) cable with 50,000 and 60,000 lb (22,679.6 and 27,215.5 kg) capacity load cells.



# RICE LAKE WEIGHING SYSTEMS

## Compression Canisters



RLCSP1, Stainless Steel ..... Page 141

Welded seal, stainless steel canister cell designed for vehicle and process applications. High-capacity load cell is built for reliability, durability and extreme precision. RLCSP1 cells are ideal for applications where optimum precision and durability are needed. Capacities from 25,000 to 200,000 lb (11,339.8 to 90,718.5 kg). Complete with 30' (9.2m) of load cell cable.



RL8C2P1SS, Stainless Steel ..... Page 142

Single-column design with low deflection, hermetically sealed for trouble-free operation. Stainless steel for use in harsh environments. Compact and rugged. Capacities from 50,000 to 200,000 lb (22,679.6 to 90,718.5 kg). Complete with 35' (10.6m) of load cell cable.



RL90000, Alloy Steel ..... Page 143

Environmentally-protected low-profile compression disk. 5000 and 10,000 lb models can also be used in tension loading applications. Shear web design provides excellent performance, low-profile feature makes it ideal for applications where height is critical. Capacities from 5000 to 100,000 lb (2268.0 to 45,359.4 kg). Integral 20' (6.1m) cable.



## Single-Points



RL1521A, Aluminum ..... Page 144

The RL1521A is a very low-profile single-point load cell designed for electronic bench scales and platform scales where only one load cell is used. Intended as a replacement for the BLH and NMB® C2G1, capacities range from 3 to 35 kg (6.6 to 77.2 lb). Integral 17.8" (450mm) load cell cable.



RL1010, Aluminum, Potted/Unpotted ..... Page 145

Off-center loading load cell. Designed for direct mounting of the weighing platform and simplifying construction of platform scales. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments. Potted models in capacities from 7 to 90 kg (15.4 to 198.4 lb) with 10' (3.1m) cable; unpotted models in capacities of 3 and 5 kg (6.6 and 11.0 lb) with 3' (.9m) cable, NTEP certified from 10 kg - 50 kg.



RL800WT Single Point, Stainless Steel, Hermetically Sealed ..... Page 146

The RL800WT is a rugged single point load cell that is ideal for upgrading platform scales. Modeled after a popular load cell used in Weightronix® platform scales, this model features the additional protection of stainless steel. Available in capacities ranging from 25 to 200 lb (11.3 to 90.7kg), with each unit being provided with 10' (3.1m) of load cell cable

## Single Points (Continued)

RLHPS Single Point, Stainless Steel, Hermetically Sealed ..... Page 147



This low-profile single point load cell was specifically designed for checkweighing or bench scale applications. The product features a full stainless steel, hermetically sealed design that is ideal for applications in the harshest of environments. This model is available in capacities of 13.2 and 33.1 lb (6kg and 15kg), with each unit being provided with 10' (3m) of load cell cable.

RL1042, Aluminum ..... Page 148



A low-profile single point for platform weighing, this model is constructed of aluminum, and is a two-beam design. This design offers high immunity to side forces and is specially coated to provide humidity resistance. The unit is available in a capacity range from 1 to 100 kg (2.2 to 220.5 lb). Complete with 10' (3.1m) load cell cable.



RL1040, Aluminum, Potted and Unpotted ..... Page 149



Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform, hanging scales, and other low-capacity beam applications. Long-term stability and durability are maintained. Potted cavities provide improved performance in damp environments. NTEP-certified capacities from 7 to 100 kg (15.4 to 220.5 lb); non-NTEP capacities of 3 and 5kg (6.6 and 11lb). Integral 10' (3.1m) load cell cable.



RL1140, Stainless Steel, Potted ..... Page 150



Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform, hanging scales and other low-capacity beam applications. Stainless steel construction and a unique humidity-resistant protective coating provides long-term stability, even in harsh environments. Potted cavities provide improved performance in damp environments. Capacities from 15 to 150 kg (33.1 to 330.7 lb). Integral 10' (3.1m) load cell cable.



RL1380, Stainless Steel ..... Page 151



This single-point cell is constructed of stainless steel and designed to perform in harsh, high shock-load environments. These features make the RL1380 ideal for platform scales and packaging and process weighing equipment. Capacities from 7 to 60 kg (15.4 to 132.3 lb). Complete with 3.1m (10') of load cell cable.



RL1385, Stainless Steel ..... Page 152



This single-point cell is constructed of stainless steel, and is designed for high performance in harsh environments. These features provide an excellent option when stainless steel is required for an application. The RL1385 is available in capacities ranging from 6 to 200 kg (13.2 to 441.0 lb). Complete with 10' (3.1m) of load cell cable.



# RICE LAKE WEIGHING SYSTEMS

## Single Points (Continued)

RL1260, Aluminum ..... Page 153



High-capacity, off-center-loading aluminium load cell. This model is of the two-beam design, and is specially coated to assure durability in harsh environments. Capacities from 50 to 635 kg (110.2 to 1400.0 lb). Complete with 10' (3.1m) load cell cable.



RL1250, Potted, Aluminum ..... Page 154



High-capacity, off-center-loading load cell accurately weighs loads from 50 to 1000 kg (110.2 to 2204.6 lb). Long-term stability and durability are maintained. These load cells with potted cavities offer excellent performance in damp environments.



RLMK21, Stainless Steel ..... Page 155



The RLMK21's single-point design is a durable, accurate and cost-effective alternative for Weigh-Tronix® 3270 Series check weighers. Integral overload protection and redundant sealing provide durability in washdown applications. Capacities from 4.5 to 35 kg (9.9 to 77.2 lb). Complete with 10' (3.1m) of load cell cable.

RLMK4, Alloy Steel and Stainless Steel ..... Page 156



With capacities ranging from 10 to 100 lb (4.5 to 45.3 kg), these load cells are plated and have special moisture-resistance encapsulants for damp environments. Interchangeable with NCI® Model MK4. Integral 10' (3.1m) load cell cable.



RLMK1, Alloy Steel ..... Page 157



Low-capacity, off-center-loading load cell. Interchangeable with NCI® Model MK1. Capacities from 50 to 3000 lb (22.7 to 1360.8 kg). Integral 10' (3.1m) cable.



## Sensors

RLS1101, Stainless Steel ..... Page 158



This planar beam sensor is a popular OEM industry standard that we have taken to the next level by providing in stainless steel. This sensor is offered in capacities ranging from 2 to 40 lb (0.9 to 18.1kg). With proper mounting configurations, this cell will not only measure force, but also pressure, displacement and acceleration. This product includes a fully integrated strain gauge that provides for self-balancing and compensation of the sensor. Each unit is provided with an 18" (.45m) standard cable.



## Sensors (Continued)

RLS3020 ..... Page 159



This product is available in capacities ranging from 1 to 25 lb (0.5 to 11.3 kg) for use in the lowest of weighing applications. Black anodized aluminum construction provides protection against corrosion. This sensor can also be provided with a number of optional coatings for additional protection against specific environments. Comes complete with 18" (.45m) of cable.

RLS2732, Stainless Steel ..... Page 160



The RL2732 force sensor is a low profile, light capacity product that can be made into an inexpensive weighing device. Easy to mount, this model can be couple with a small hook to be used to weigh just about any light-weight material in tension. The unit is manufactured from aluminum, and has an endless number of potential uses in the OEM marketplace. This model is available in capacities ranging from 1 to 10lb (0.5 to 4.5kg), and is provided standard with an 18' (.45m) cable.



RLS3010, Aluminum/Stainless Steel ..... Page 161



Available in capacities from 2 to 10 lb (0.9 to 4.5 kg) in aluminum, and 25 to 250 lb (11.3 to 113.4 kg) in stainless steel. This sensor is ideal for use in a wide array of medical, exercise equipment and other OEM applications. The unit is very low-profile, and offers both a rugged design and high accuracy. An added feature with this unit is that it can be coated with various materials that will provide optimum corrosion protection in harsh environments. Each unit comes with a standard 3' (1m) cable.

RLS3030, Aluminum ..... Page 162



A unique product that performs perfectly in both tension and compression applications, this sensor is available in capacities ranging from 2 to 300 lb (0.9 to 136.0 kg). This unit performs much like an industry-standard S-beam, and can prove to be a much lower profile alternative. Complete with 18" (.45m) of cable.

RLS1000 & RLS1005, Stainless Steel ..... Featured Products Section Page 7, Page 163

# RICE LAKE WEIGHING SYSTEMS

## Sensors (Continued)

RLS7000, Stainless Steel ..... Page 164



This unit is a washer force sensor that is designed to measure the pressure put upon a bolt. The bolt size range of this product is from a #10 to 1". Each sensor is thermally-compensated to assure high accuracy for multiple applications. Some popular applications for this product are fastener testing and measuring torque on a specific apparatus. Each unit is provided with 18" (.45m) of cable.

RLS2101, Alloy Steel ..... Page 165



This tension link sensor is made from stainless steel, and is available in capacities ranging from 250 to 5000 lb (113.4 to 2268.0 kg). This unit is ideal for applications in the automotive, process control, and robotics industries. The sensor uses a compact tension measurement design that is both reliable and accurate. Standard cable length is 18" (.45m).

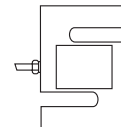
RLS8010, ..... Page 166



The RLS8010 is an inclinometer/gravity sensor that measures angles up to  $\pm 40^\circ$ . Ideal applications for this product include the measuring of angle while weighing material with either a forklift or crane scale. This product is made of a thermoplastic that helps maintain accuracy while protecting the unit against the elements. Each unit is furnished complete with 18" (.45m) of cable.







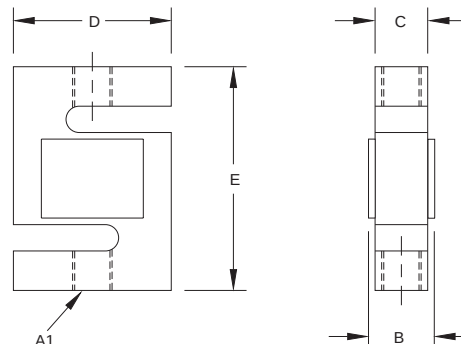
## RL20000 S-Beam, Alloy Steel

### NTEP 1:5000 Class III/1:10000 Class IIIL Single Cell/ IP67



#### SPECIFICATIONS:

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                                                                         |
| Bridge Resistance:     | 350 ohms, nominal                                                                                |
| Material/Finish:       | High-alloy steel, nickel plated                                                                  |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C                                                 |
| Seal Type:             | Environmentally protected, IP67                                                                  |
| Safe Overload:         | 150% Full scale                                                                                  |
| Rated Excitation:      | 10V DC (15V maximum)                                                                             |
| Nonlinearity:          | 0.03% Full scale                                                                                 |
| Hysteresis:            | 0.02% Full scale                                                                                 |
| Insulation Resistance: | 5000 megohms                                                                                     |
| Cable Length:          | 20'/6.1m                                                                                         |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                          |



| RATED CAPACITY        | A1              | B    | C    | D     | E     |
|-----------------------|-----------------|------|------|-------|-------|
| <b>lb/inches</b>      |                 |      |      |       |       |
| 25-300                | 1/4-28 UNF-2B   | .75  | .50  | 2.00  | 2.50  |
| 500-1500              | 1/2-20 UNF-2B   | 1.00 | .75  | 2.00  | 2.50  |
| 2000-2500             | 1/2-20 UNF-2B   | 1.25 | 1.00 | 2.00  | 2.50  |
| 3000                  | 1/2-20 UNF-2B   | 1.25 | 1.00 | 3.00  | 4.00  |
| 5000-10,000           | 3/4-16 UNF-2B   | 1.25 | 1.00 | 3.00  | 4.00  |
| 15,000                | 1-12 UNF-2B     | 1.50 | 1.25 | 4.00  | 5.50  |
| 20,000                | 1 1/4-12 UNF-2B | 2.25 | 2.00 | 5.00  | 7.00  |
| <b>kg/millimeters</b> |                 |      |      |       |       |
| 11.3-136.1            | 1/4-28 UNF-2B   | 19.1 | 12.7 | 50.8  | 63.5  |
| 226.8-680.4           | 1/2-20 UNF-2B   | 25.4 | 19.1 | 50.8  | 63.5  |
| 907.2-1134.0          | 1/2-20 UNF-2B   | 31.8 | 25.4 | 50.8  | 63.5  |
| 1360.8                | 1/2-20 UNF-2B   | 31.8 | 25.4 | 76.2  | 101.6 |
| 2268.0-4535.9         | 3/4-16 UNF-2B   | 31.8 | 25.4 | 76.2  | 101.6 |
| 6803.9                | 1-12 UNF-2B     | 38.1 | 31.8 | 101.6 | 139.7 |
| 9071.9                | 1 1/4-12 UNF-2B | 57.2 | 50.8 | 127.0 | 177.8 |

#### RL20000 ORDER INFORMATION

| Load Rating           | Part # | Suggested List Price |
|-----------------------|--------|----------------------|
| 25 lb (11.3 kg)       | 21428  | \$275.00             |
| 50 lb (22.7 kg)       | 21429  | \$275.00             |
| 75 lb (34.0 kg)       | 21430  | \$275.00             |
| 100 lb (45.4 kg)      | 21431  | \$275.00             |
| 150 lb (68.0 kg)      | 21432  | \$275.00             |
| 200 lb (90.7 kg)      | 21433  | \$275.00             |
| 250 lb (113.4 kg)     | 21434  | \$275.00             |
| 300 lb (136.1 kg)     | 21435  | \$275.00             |
| 500 lb (226.8 kg)     | 21436  | \$275.00             |
| 750 lb (340.2 kg)     | 21437  | \$275.00             |
| 1000 lb (453.6 kg)    | 21438  | \$275.00             |
| 1500 lb (680.4 kg)    | 21439  | \$275.00             |
| 2000 lb (907.2 kg)    | 21440  | \$275.00             |
| 2500 lb (1134.0 kg)   | 21441  | \$275.00             |
| 3000 lb (1360.8 kg)   | 21442  | \$315.00             |
| 5000 lb (2268.0 kg)   | 21443  | \$440.00             |
| 10,000 lb (4535.9 kg) | 21444  | \$440.00             |
| 15,000 lb (6803.9 kg) | 21445  | \$555.00             |
| 20,000 lb (9071.9 kg) | 21446  | \$875.00             |

**Conduit Adapter Kit\*** (must be factory installed to maintain warranty)

3/8-24 Nipple ..... 31533\* ..... \$15.00

3/8-24 to 1/4-18 NPT ..... 31534\* ..... \$15.00

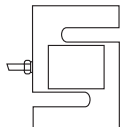
\*Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.

#### INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model                           |
|--------------------------|---------------------------------|
| Celtron .....            | (see page 174) STC Low-Capacity |
| Revere Transducers ..... | (see page 234) 9363             |
| Sensortronics .....      | (see page 271) 60036            |
| Artech .....             | 20210                           |

#### WEIGH MODULE AVAILABLE

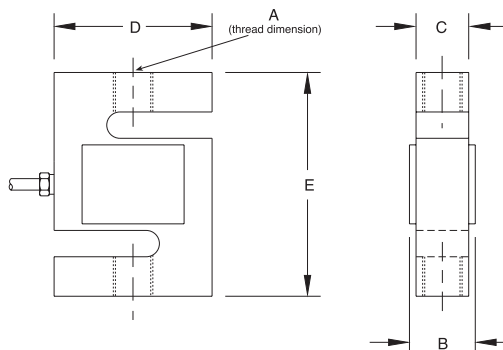
| Model                                  | Page #        |
|----------------------------------------|---------------|
| ITCM Isolated Tension Cell Mount ..... | 335 or pg. 24 |



# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RL20000 SS S-Beam, Stainless Steel NTEP 1:10000 Class IIIL Single Cell, IP 67



### SPECIFICATIONS:

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                                                                         |
| Bridge Resistance:     | 350 ohms, nominal                                                                                |
| Material/Finish:       | Stainless steel                                                                                  |
| Temperature:           | Compensated range<br>0°F to 150°F/-18°C to 65°C                                                  |
| Seal Type:             | Environmentally protected, IP67                                                                  |
| Safe Overload:         | 150% Full scale                                                                                  |
| Rated Excitation:      | 10V DC (15V maximum)                                                                             |
| Nonlinearity:          | 0.03% Full scale                                                                                 |
| Hysteresis:            | 0.02% Full scale                                                                                 |
| Insulation Resistance: | 5000 megohms                                                                                     |
| Cable Length:          | 20'±6.1m                                                                                         |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                          |

### RATED CAPACITY

|                       | A1            | B    | C    | D    | E    |
|-----------------------|---------------|------|------|------|------|
| <b>lb/inches</b>      |               |      |      |      |      |
| 50-250                | 1/4-28 UNF-2B | .65  | .46  | 2.00 | 2.40 |
| 500-1000              | 1/2-20 UNF-2B | .90  | .71  | 2.00 | 2.40 |
| 2500                  | 1/2-20 UNF-2B | 1.15 | .96  | 2.00 | 2.40 |
| 3000                  | 1/2-20 UNF-2B | 1.15 | .96  | 3.00 | 3.90 |
| 5000-10,000           | 3/4-16 UNF-2B | 1.15 | .96  | 3.00 | 3.90 |
| <b>kg/millimeters</b> |               |      |      |      |      |
| 22.7-113.4            | 1/4-28 UNF-2B | 16.5 | 11.7 | 50.8 | 61.0 |
| 226.8-453.6           | 1/2-20 UNF-2B | 22.9 | 18.0 | 50.8 | 61.0 |
| 1134.0                | 1/2-20 UNF-2B | 29.2 | 24.4 | 50.8 | 61.0 |
| 1360.8                | 1/2-20 UNF-2B | 29.2 | 24.4 | 76.2 | 99.1 |
| 2268.0-4535.9         | 3/4-16 UNF-2B | 29.2 | 24.4 | 76.2 | 99.1 |

### RL20000 SS ORDER INFORMATION

| Load Rating           | Part # | Suggested List Price |
|-----------------------|--------|----------------------|
| <b>RL20000SS NTEP</b> |        |                      |
| 100 lb (45.4 kg)      | 46511  | \$345.00             |
| 250 lb (113.4 kg)     | 46503  | \$345.00             |
| 500 lb (226.8 kg)     | 46504  | \$345.00             |
| 750 lb (340.2 kg)     | 46505  | \$345.00             |
| 1000 lb (453.6 kg)    | 46506  | \$345.00             |
| 2500 lb (1134.0 kg)   | 46507  | \$345.00             |
| 3000 lb (1360.8 kg)   | 46508  | \$395.00             |
| 5000 lb (2268.0 kg)   | 46509  | \$550.00             |
| 10,000 lb (4535.9 kg) | 46510  | \$570.00             |

### RL20000SS Non-NTEP

|                                                                              |        |          |
|------------------------------------------------------------------------------|--------|----------|
| 50 lb (22.9 kg)                                                              | 17013  | \$325.00 |
| <b>Conduit Adapter Kit*</b> (must be factory installed to maintain warranty) |        |          |
| 3/8-24 Nipple                                                                | 31533* | \$15.00  |
| 3/8-24 to 1/4-18 NPT                                                         | 31534* | \$15.00  |

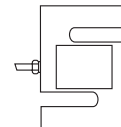
\*Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.

### INTERCHANGEABLE PRODUCTS

| Manufacturer       | Model               |
|--------------------|---------------------|
| Revere Transducers | (see page 236) 9363 |
| Artech             | SS20210             |

### WEIGH MODULE AVAILABLE

| Model                            | Page #        |
|----------------------------------|---------------|
| ITCM Isolated Tension Cell Mount | 335 or pg. 24 |



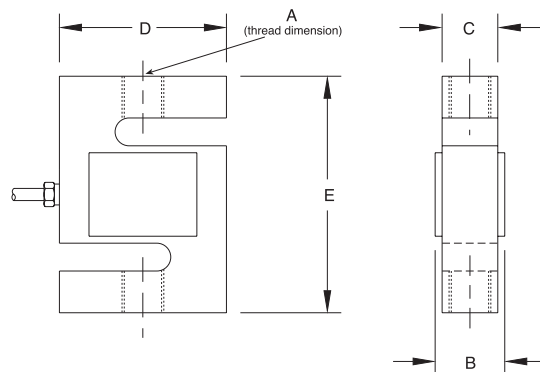
## RL20001 S-Beam, Alloy Steel

### NTEP 1:10,000 III L S, IP67



#### SPECIFICATIONS:

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                                                                         |
| Bridge Resistance:     | 350 ohms, nominal                                                                                |
| Material/Finish:       | High-alloy steel, nickel plated                                                                  |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C                                                 |
| Seal Type:             | Environmentally protected, IP67                                                                  |
| Safe Overload:         | 150% Full scale                                                                                  |
| Rated Excitation:      | 15V AC/DC                                                                                        |
| Nonlinearity:          | 0.03% Full scale                                                                                 |
| Hysteresis:            | 0.02% Full scale                                                                                 |
| Insulation Resistance: | 2000 megohms                                                                                     |
| Cable Length:          | 20'/6.1m                                                                                         |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                          |



| RATED CAPACITY        | DIMENSIONS      |      |      |       |       |
|-----------------------|-----------------|------|------|-------|-------|
|                       | A1              | B    | C    | D     | E     |
| <b>lb/inches</b>      |                 |      |      |       |       |
| 250                   | 3/8-24 UNF-2B   | .75  | .50  | 2.00  | 3.00  |
| 500-2000              | 1/2-20 UNF-2B   | 1.00 | .75  | 2.00  | 3.00  |
| 2500-3000             | 1/2-20 UNF-2B   | 1.25 | 1.00 | 2.00  | 3.00  |
| 5000                  | 3/4-16 UNF-2B   | 1.25 | 1.00 | 3.00  | 4.25  |
| 10,000                | 3/4-16 UNF-2B   | 1.25 | 1.00 | 3.50  | 4.75  |
| 15,000                | 1-14 UNS-2B     | 1.50 | 1.25 | 4.00  | 5.50  |
| 20,000                | 1 1/4-12 UNF-2B | 2.25 | 2.00 | 5.00  | 7.00  |
| <b>kg/millimeters</b> |                 |      |      |       |       |
| 113.4                 | 3/8-24 UNF-2B   | 19.1 | 12.7 | 50.8  | 76.2  |
| 226.8-907.2           | 1/2-20 UNF-2B   | 25.4 | 19.1 | 50.8  | 76.2  |
| 1134.0-1360.8         | 1/2-20 UNF-2B   | 31.8 | 25.4 | 50.8  | 76.2  |
| 2268.0                | 3/4-16 UNF-2B   | 31.8 | 25.4 | 76.2  | 108.8 |
| 4535.9                | 3/4-16 UNF-2B   | 31.8 | 25.4 | 88.9  | 120.7 |
| 6803.9                | 1-14 UNS-2B     | 38.1 | 31.8 | 101.6 | 139.7 |
| 9071.9                | 1 1/4-12 UNF-2B | 57.2 | 50.8 | 127.0 | 177.8 |

#### RL20001 ORDER INFORMATION

| Load Rating           | Part # | Suggested List Price |
|-----------------------|--------|----------------------|
| 250 lb (113.4 kg)     | 21402  | \$275.00             |
| 500 lb (226.8 kg)     | 21403  | \$275.00             |
| 750 lb (340.2 kg)     | 21404  | \$275.00             |
| 1000 lb (453.6 kg)    | 21405  | \$275.00             |
| 1500 lb (680.4 kg)    | 21406  | \$275.00             |
| 2000 lb (907.2 kg)    | 21407  | \$275.00             |
| 2500 lb (1134.0 kg)   | 21408  | \$275.00             |
| 3000 lb (1360.8 kg)   | 21409  | \$315.00             |
| 5000 lb (2268.0 kg)   | 21410  | \$440.00             |
| 10,000 lb (4535.9 kg) | 21411  | \$440.00             |
| 15,000 lb (6803.9 kg) | 21412  | \$555.00             |
| 20,000 lb (9071.9 kg) | 21413  | \$875.00             |

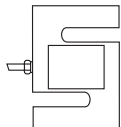
**Conduit Adapter Kit\*** (must be factory installed to maintain warranty)  
 3/8-24 Nipple ..... 31533\* ..... \$15.00  
 3/8-24 to 1/4-18 NPT ..... 31534\* ..... \$15.00  
 \*Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.

#### INTERCHANGEABLE PRODUCTS

| Manufacturer  | Model                |
|---------------|----------------------|
| Celtron       | (see page 176) STC   |
| Sensortronics | (see page 270) 60001 |

#### WEIGH MODULE AVAILABLE

| Model                            | Page #       |
|----------------------------------|--------------|
| ITCM Isolated Tension Cell Mount | 24-29 or 335 |

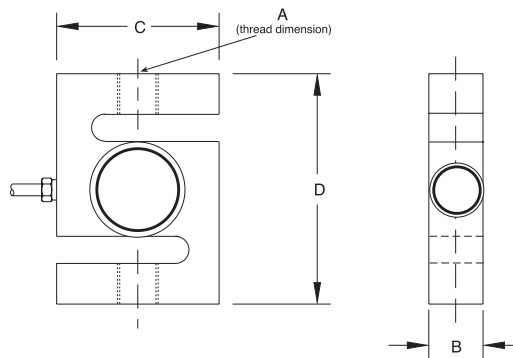


# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RL20001 HE S-Beam, Stainless Steel

### Welded Seal, IP67, NTEP 1:5000 Class III/1:10000 Class IIIL Single Cell



#### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 350 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: 10V DC (15V maximum)  
 Nonlinearity: 0.03% Full scale  
 Hysteresis: 0.02% Full scale  
 Insulation Resistance: 5000 megohms  
 Seal Type: Welded seal, IP67  
 Cable Length: 20'/6.1m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 2 years

#### RATED CAPACITY

|                  | A        | B    | C    | D    |
|------------------|----------|------|------|------|
| <b>lb/inches</b> |          |      |      |      |
| 500-3000         | 1/2-20   | 1.00 | 2.00 | 3.00 |
| 5000-10,000      | 3/4-16   | 1.00 | 3.50 | 4.75 |
| 15,000           | 1-14     | 1.25 | 4.00 | 5.50 |
| 20,000           | 1 1/4-12 | 2.00 | 5.00 | 7.00 |

#### kg/millimeters

|               |          |      |       |       |
|---------------|----------|------|-------|-------|
| 226.8-1360.8  | 1/2-20   | 25.4 | 50.8  | 76.2  |
| 2268.0-4535.9 | 3/4-16   | 25.4 | 88.9  | 120.7 |
| 6803.9        | 1-14     | 31.8 | 101.6 | 139.7 |
| 9071.9        | 1 1/4-12 | 76.2 | 127.0 | 177.8 |

#### RL20001 HE ORDER INFORMATION

| Load Rating           | Part # | Suggested List Price |
|-----------------------|--------|----------------------|
| <b>RL20001HE NTEP</b> |        |                      |
| 500 lb (226.8 kg)     | 46469  | \$495.00             |
| 750 lb (340.2 kg)     | 46470  | \$495.00             |
| 1000 lb (453.6 kg)    | 46471  | \$495.00             |
| 1500 lb (680.4 kg)    | 46472  | \$495.00             |
| 2000 lb (907.2 kg)    | 46473  | \$495.00             |
| 2500 lb (1134.0 kg)   | 46474  | \$495.00             |
| 3000 lb (1360.8 kg)   | 46475  | \$495.00             |
| 5000 lb (2268.0 kg)   | 46476  | \$725.00             |

#### RL20001HE Non-NTEP

|                       |       |            |
|-----------------------|-------|------------|
| 10,000 lb (4535.9 kg) | 36292 | \$635.00   |
| 15,000 lb (6803.9 kg) | 36293 | \$895.00   |
| 20,000 lb (9071.9 kg) | 36294 | \$1,025.00 |

#### Conduit Adapter Kit\* (must be factory installed to maintain warranty)

|                      |        |         |
|----------------------|--------|---------|
| 3/8-24 Nipple        | 31533* | \$15.00 |
| 3/8-24 to 1/4-18 NPT | 31534* | \$15.00 |

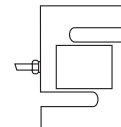
\*Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.

#### INTERCHANGEABLE PRODUCTS

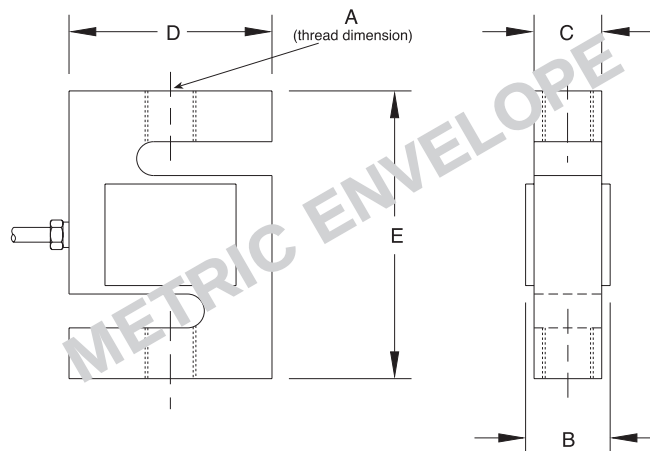
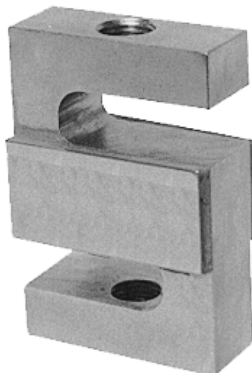
| Manufacturer  | Model                |
|---------------|----------------------|
| Sensortronics | (see page 272) 60063 |

#### WEIGH MODULE AVAILABLE

| Model                            | Page #        |
|----------------------------------|---------------|
| ITCM Isolated Tension Cell Mount | 335 or pg. 24 |



## RLETS S-Beam, Alloy Steel, Environmentally Protected, OIML C3, IP67



| RATED CAPACITY        | DIMENSIONS    |      |      |      |       |
|-----------------------|---------------|------|------|------|-------|
|                       | A             | B    | C    | D    | E     |
| <b>kg/millimeters</b> |               |      |      |      |       |
| 250-1000              | M12 x 1.75-6H | 25.4 | 19.1 | 50.8 | 76.0  |
| 2500                  | M20 x 1.5-6H  | 31.8 | 25.4 | 76.2 | 108.0 |
| <b>lb/inches</b>      |               |      |      |      |       |
| 551.2-2205.0          | M12 x 1.75-6H | 1.00 | .75  | 2.00 | 3.00  |
| 5512.5                | M20 x 1.5-6H  | 1.25 | 1.00 | 3.00 | 4.25  |

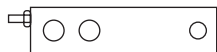
### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  $\pm$ 0.25%  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: Alloy steel  
 Temperature: Compensated range  
 14°F to 104°F/-10°C to 40°C  
 Seal Type: Environmentally protected, IP67  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V AC/DC (15V maximum)  
 Combined Error: 0.02% Full scale

Insulation Resistance: 5000 megohms  
 Cable Length: 6m/19.7'  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 2 years

### RLETS ORDER INFORMATION

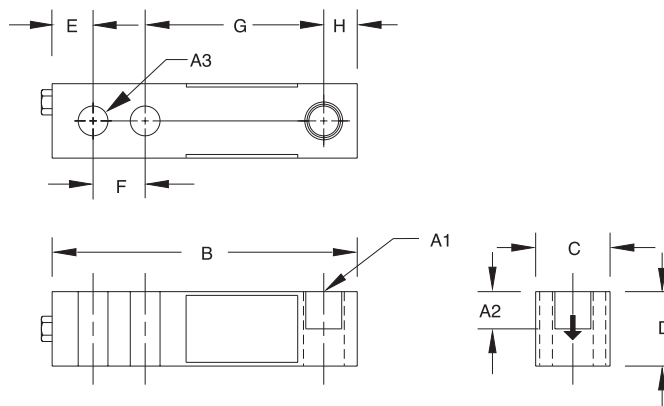
| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| 250 kg (551.2 lb) .....   | 31254 ..... | \$295.00             |
| 500 kg (1102.3 lb) .....  | 31255 ..... | \$295.00             |
| 1000 kg (2205.0 lb) ..... | 31256 ..... | \$295.00             |
| 2500 kg (5512.5 lb) ..... | 31257 ..... | \$460.00             |



# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RL30000 Single-Ended Beam, Alloy Steel NTEP 1:5000 Class III Multiple Cell, IP67



| RATED<br>CAPACITY     | DIMENSIONS    |      |      |       |      |      |      |      |       |      |
|-----------------------|---------------|------|------|-------|------|------|------|------|-------|------|
|                       | A1*           | A2†  | A3*  | B     | C    | D    | E    | F    | G     | H    |
| <b>lb/inches</b>      |               |      |      |       |      |      |      |      |       |      |
| 250-5000SE            | 1/2-20 UNF-2B | .60  | .53  | 5.12  | 1.25 | 1.25 | .62  | 1.00 | 3.00  | .50  |
| 5000LE-10,000         | 3/4-16 UNF-2B | .75  | .78  | 6.75  | 1.50 | 1.50 | .75  | 1.50 | 3.75  | .75  |
| 15,000-20,000         | 1-12 UNF-2B   | 1.00 | 1.03 | 8.75  | 2.00 | 2.00 | 1.00 | 2.00 | 4.75  | 1.00 |
| <b>kg/millimeters</b> |               |      |      |       |      |      |      |      |       |      |
| 113.4-2059.3SE        | 1/2-20 UNF-2B | 15.2 | 13.5 | 130.1 | 31.8 | 31.8 | 15.8 | 25.4 | 76.2  | 12.7 |
| 2268.0LE-4535.9       | 3/4-16 UNF-2B | 19.1 | 19.8 | 171.5 | 38.1 | 38.1 | 19.1 | 38.1 | 95.3  | 19.1 |
| 6803.9-9071.9         | 1-12 UNF-2B   | 25.4 | 26.2 | 222.3 | 50.8 | 50.8 | 25.4 | 50.8 | 120.7 | 25.4 |

\* Dimension A1 is identical to A3 on the RL30002 Thru-Hole Model. † Dimension A2 applies to RL30000 Threaded-Hole Model ONLY.

### SPECIFICATIONS:

|                    |                                                  |                         |                                                                                                                                            |
|--------------------|--------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                         | Insulation Resistance:  | 5000 megohms                                                                                                                               |
| Bridge Resistance: | 350 ohms, nominal                                | Deflection at Capacity: | 250-1000 lb = .013"/.33mm, 2000-3000 lb = .015"/.38mm, 4000-5000 lb = .025"/.64mm, 10,000 lb = .032"/.81mm, 15,000-20,000 lb = .038"/.97mm |
| Material/Finish:   | High-alloy steel, nickel plated                  | Cable Length:           | 20'/6.1m                                                                                                                                   |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal                                         |
| Seal Type:         | Environmentally protected, IP67                  | Warranty:               | 2 years                                                                                                                                    |
| Safe Overload:     | 150% Full scale                                  |                         |                                                                                                                                            |
| Rated Excitation:  | 10V DC (15V maximum)                             |                         |                                                                                                                                            |
| Nonlinearity:      | 0.03% Full scale                                 |                         |                                                                                                                                            |
| Hysteresis:        | 0.02% Full scale                                 |                         |                                                                                                                                            |

### RL30000 (THREADED HOLE) ORDER INFORMATION

| Load Rating                                                                  | Part # | Suggested List Price |
|------------------------------------------------------------------------------|--------|----------------------|
| <b>RL30000 NTEP, Threaded-Hole Design:</b>                                   |        |                      |
| 1000 lb (453.6 kg)                                                           | 21491  | \$295.00             |
| 2000 lb (907.2 kg)                                                           | 21493  | \$295.00             |
| 2500 lb (1134.0 kg)                                                          | 21495  | \$295.00             |
| 3000 lb (1360.8 kg)                                                          | 21497  | \$295.00             |
| 4000 lb (1814.4 kg)                                                          | 21498  | \$295.00             |
| 5000 lb-SE** (2268.0 kg)                                                     | 21500  | \$295.00             |
| 5000 lb-LE (2268.0 kg)                                                       | 21501  | \$375.00             |
| 10,000 lb (4535.9 kg)                                                        | 21503  | \$375.00             |
| <b>RL30000 Non-NTEP, Threaded-Hole Design:</b>                               |        |                      |
| 250 lb (113.4 kg)                                                            | 17341  | \$295.00             |
| 500 lb (226.8 kg)                                                            | 17342  | \$295.00             |
| 15,000 lb (6803.9 kg)                                                        | 28759  | \$645.00             |
| 20,000 lb (9071.9 kg)                                                        | 17109  | \$645.00             |
| <b>Conduit Adapter Kit*</b> (must be factory installed to maintain warranty) |        |                      |
| 3/8-24 Nipple                                                                | 31533* | \$15.00              |
| 3/8-24 to 1/4-18 NPT                                                         | 31534* | \$15.00              |

\* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.

\*\* SE: Denotes small envelope

### RL30002 (THRU HOLE) ORDER INFORMATION

| Load Rating                                                                  | Part # | Suggested List Price |
|------------------------------------------------------------------------------|--------|----------------------|
| <b>RL30002 NTEP, Thru-Hole Design:</b>                                       |        |                      |
| 1000 lb (453.6 kg)                                                           | 21521  | \$295.00             |
| 2000 lb (907.2 kg)                                                           | 21522  | \$295.00             |
| 2500 lb (1134.0 kg)                                                          | 21523  | \$295.00             |
| 4000 lb (1814.4 kg)                                                          | 21524  | \$295.00             |
| 5000 lb-SE** (2268.0 kg)                                                     | 21525  | \$295.00             |
| <b>Conduit Adapter Kit*</b> (must be factory installed to maintain warranty) |        |                      |
| 3/8-24 Nipple                                                                | 31533* | \$15.00              |
| 3/8-24 to 1/4-18 NPT                                                         | 31534* | \$15.00              |

\* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.

### INTERCHANGEABLE PRODUCTS

| Manufacturer                 | Model               |
|------------------------------|---------------------|
| <b>Threaded-Hole Design:</b> |                     |
| Revere Transducers           | (see page 238) 5123 |
| Tedea-Huntleigh              | (see page 306) 3411 |
| Artech                       | 30310               |

### WEIGH MODULE AVAILABLE

| Model         | Page # |
|---------------|--------|
| RL1800 Series | 40     |
| RL50210TA     | 30     |

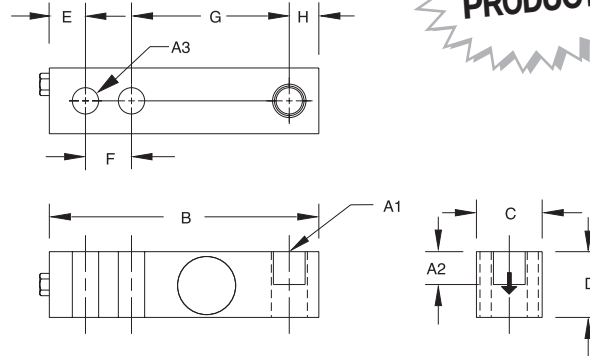
USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice



## RL30000W Single-Ended Beam, Alloy Steel NTEP 1:5000 Class III Multiple Cell, IP67

**NEW  
PRODUCT**



| RATED CAPACITY        | A1            | A2   | A3   | B     | C    | D    | E    | F    | G    | H    |
|-----------------------|---------------|------|------|-------|------|------|------|------|------|------|
| <b>lb/inches</b>      |               |      |      |       |      |      |      |      |      |      |
| 1000-5000SE           | 1/2-20 UNF-2B | .60  | .53  | 5.12  | 1.25 | 1.25 | .62  | 1.00 | 3.00 | .50  |
| 5000LE-10,000         | 3/4-16 UNF-2B | .75  | .78  | 6.75  | 1.50 | 1.50 | .75  | 1.50 | 3.75 | .75  |
| <b>kg/millimeters</b> |               |      |      |       |      |      |      |      |      |      |
| 2205.0-2059.3SE       | 1/2-20 UNF-2B | 15.2 | 13.5 | 130.1 | 31.8 | 31.8 | 15.8 | 25.4 | 76.2 | 12.7 |
| 2268.0LE-4535.9       | 3/4-16 UNF-2B | 19.1 | 19.8 | 171.5 | 38.1 | 38.1 | 19.1 | 38.1 | 95.3 | 19.1 |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: High-alloy steel, nickel plated  
 Temperature: Compensated range  
 14°F to 104°F/-10°C to 40°C  
 Seal Type: Welded seal, IP67  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V DC (15V maximum)  
 Nonlinearity: 0.03% Full scale  
 Hysteresis: 0.02% Full scale

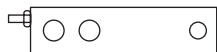
Insulation Resistance: 5000 megohms  
 Deflection at Capacity: 1000 lb = .013"/.33mm, 2000-3000 lb = .015"/.38mm,  
 4000-5000 lb = .025"/.64mm, 10,000 lb = .032"/.81mm  
 Cable Length: 20'/6.1m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 5 years

### RL30000W ORDER INFORMATION

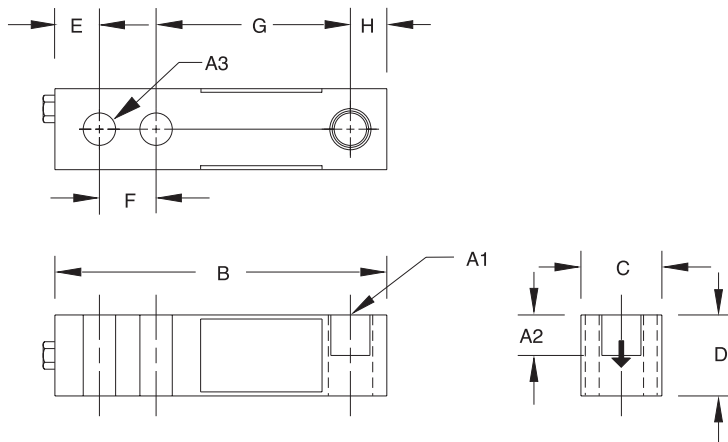
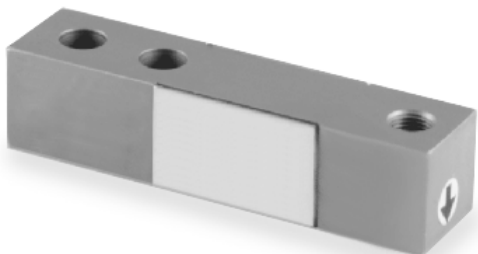
| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 1000 lb (453.6 kg) .....       | 64944 ..... | \$295.00             |
| 2000 lb (907.2 kg) .....       | 64945 ..... | \$295.00             |
| 2500 lb (1134.0 kg) .....      | 64946 ..... | \$295.00             |
| 3000 lb (1360.8 kg) .....      | 64950 ..... | \$295.00             |
| 4000 lb (1814.4 kg) .....      | 64795 ..... | \$295.00             |
| 5000 lb-SE** (2268.0 kg) ..... | 64801 ..... | \$295.00             |
| 5000 lb-LE (2268.0 kg) .....   | 64885 ..... | \$375.00             |
| 10,000 lb (4535.9 kg) .....    | 64886 ..... | \$375.00             |

\*\* SE denotes small envelope





# RL39123 Single-Ended Beam, Stainless Steel



| RATED<br>CAPACITY     | DIMENSIONS    |      |      |       |      |      |      |      |       |      |
|-----------------------|---------------|------|------|-------|------|------|------|------|-------|------|
|                       | A1            | A2   | A3   | B     | C    | D    | E    | F    | G     | H    |
| <b>lb/inches</b>      |               |      |      |       |      |      |      |      |       |      |
| 250-4000              | 1/2-20 UNF-2B | .60  | .53  | 5.12  | 1.25 | 1.25 | .62  | 1.00 | 3.00  | .50  |
| 5000-10,000           | 3/4-16 UNF-2B | .75  | .78  | 6.75  | 1.50 | 1.50 | .75  | 1.50 | 3.75  | .75  |
| 15,000-20,000         | 1-12 UNF-2B   | 1.00 | 1.03 | 8.75  | 2.00 | 2.00 | 1.00 | 2.00 | 4.75  | 1.00 |
| <b>kg/millimeters</b> |               |      |      |       |      |      |      |      |       |      |
| 113.4-1814.4          | 1/2-20 UNF-2B | 15.2 | 13.5 | 130.1 | 31.8 | 31.8 | 15.8 | 25.4 | 76.2  | 12.7 |
| 2268.0-4535.9         | 3/4-16 UNF-2B | 19.1 | 19.8 | 171.5 | 38.1 | 38.1 | 19.1 | 38.1 | 95.3  | 19.1 |
| 6803.9-9071.9         | 1-12 UNF-2B   | 25.4 | 26.2 | 222.3 | 50.8 | 50.8 | 25.4 | 50.8 | 120.7 | 25.4 |

**SPECIFICATIONS:**

|                    |                                                 |                         |                                                                                                                                           |
|--------------------|-------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                        | Hysteresis:             | 0.02% Full scale                                                                                                                          |
| Bridge Resistance: | 350 ohms, nominal                               | Insulation Resistance:  | 5000 megohms                                                                                                                              |
| Material/Finish:   | Stainless steel                                 | Deflection at Capacity: | 250-1000 lb = .013"/.33mm, 2000-3000 lb = .015"/.38mm, 4000-5000 lb = .025"/.64mm, 10,000 lb = .32"/.81mm, 15,000-20,000 lb = .038"/.97mm |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C | Cable Length:           | 20'/6.1m                                                                                                                                  |
| Seal Type:         | Environmentally protected                       | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White ..... - Signal                                         |
| Safe Overload:     | 150% Full scale                                 | Warranty:               | 2 years                                                                                                                                   |
| Rated Excitation:  | 10V DC (15V maximum)                            |                         |                                                                                                                                           |
| Nonlinearity:      | 0.03% Full scale                                |                         |                                                                                                                                           |

**RL39123 ORDER INFORMATION**

| Load Rating                                                                  | Part #       | Suggested List Price |
|------------------------------------------------------------------------------|--------------|----------------------|
| 250 lb (113.4 kg) .....                                                      | 17386 .....  | \$350.00             |
| 500 lb (226.8 kg) .....                                                      | 17387 .....  | \$350.00             |
| 1,000 lb (453.6 kg) .....                                                    | 17189 .....  | \$350.00             |
| 2,000 lb (907.2 kg) .....                                                    | 17190 .....  | \$350.00             |
| 2,500 lb (1134.0 kg) .....                                                   | 17191 .....  | \$350.00             |
| 3,000 lb (1360.8 kg) .....                                                   | 17192 .....  | \$350.00             |
| 4,000 lb (1814.4 kg) .....                                                   | 17193 .....  | \$350.00             |
| 5,000 lb (2268.0 kg) .....                                                   | 17194 .....  | \$420.00             |
| 10,000 lb (4535.9 kg) .....                                                  | 17195 .....  | \$420.00             |
| 15,000 lb (6803.9 kg) .....                                                  | 17196 .....  | \$795.00             |
| <b>Conduit Adapter Kit*</b> (must be factory installed to maintain warranty) |              |                      |
| 3/8-24 Nipple .....                                                          | 31533* ..... | \$15.00              |
| 3/8-24 to 1/4-18 NPT .....                                                   | 31534* ..... | \$15.00              |

\* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.

**INTERCHANGEABLE PRODUCTS**

| Manufacturer             | Model               |
|--------------------------|---------------------|
| Revere Transducers ..... | (see page 239) 9123 |
| Artech .....             | SS30310             |
| HBM .....                | (see page 216) B35  |

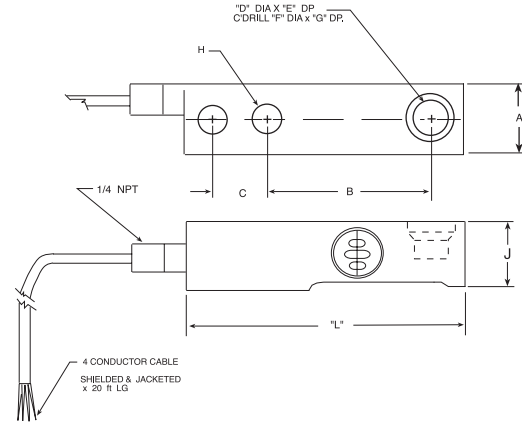
**WEIGH MODULE AVAILABLE**

| Model               | Page # |
|---------------------|--------|
| RL1800 Series ..... | 40     |
| RL50210TA .....     | 30     |





## RL30745 Single-Ended Beam, Stainless Steel Welded Seal, IP67



| RATED CAPACITY        | DIMENSIONS |      |      |      |      |      |      |      |       |      |
|-----------------------|------------|------|------|------|------|------|------|------|-------|------|
|                       | A          | B    | C    | D    | E    | F    | G    | H    | I     | J    |
| <b>lb/inches</b>      |            |      |      |      |      |      |      |      |       |      |
| 1,000-4,000           | 1.20       | 2.88 | 1.00 | .63  | .69  | .88  | .20  | .500 | 5.18  | 1.20 |
| 5,000                 | 1.46       | 3.00 | 1.00 | .63  | .92  | .88  | .38  | .500 | 5.38  | 1.46 |
| 10,000                | 1.68       | 3.75 | 1.50 | .88  | 1.17 | 1.38 | .44  | .750 | 6.87  | 1.68 |
| <b>kg/millimeters</b> |            |      |      |      |      |      |      |      |       |      |
| 453.6-1814.2          | 30.5       | 73.2 | 25.4 | 16.0 | 17.5 | 22.4 | 5.1  | 12.7 | 131.6 | 30.1 |
| 2268                  | 37.1       | 76.2 | 25.4 | 16.0 | 23.4 | 22.4 | 9.7  | 12.7 | 136.7 | 37.1 |
| 4536                  | 42.7       | 95.3 | 38.1 | 22.4 | 29.7 | 35.1 | 11.8 | 19.1 | 174.5 | 42.7 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: Stainless steel  
 Temperature: Compensated range  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V DC (15V maximum)  
 Combined Error: 0.03%  
 Non-repeatability: 0.01% Full scale  
 Insulation Resistance: 0.01% Full scale

Seal Type: Welded seal, IP67  
 Cable Length: 20'/6.1m  
 Conduit Adapter Size: 1/4 - 18 NPT  
 Cable Color Code: Green ... + Excitation  
 Black ..... - Excitation  
 White .... + Signal  
 Red ..... - Signal  
 Orange ..... Shield  
 Warranty: 2 years

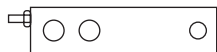
### RL30745 ORDER INFORMATION

| Load Rating           | Part # | Suggested List Price |
|-----------------------|--------|----------------------|
| 1,000 lb (453.6 kg)   | 45462  | \$450.00             |
| 1,250 lb (567.0 kg)   | 47946  | \$450.00             |
| 2,500 lb (1,134 kg)   | 45463  | \$450.00             |
| 4,000 lb (1,814.4 kg) | 45464  | \$450.00             |
| 5,000 lb (2,268 kg)   | 45465  | \$575.00             |
| 10,000 lb (4,536 kg)  | 45466  | \$695.00             |

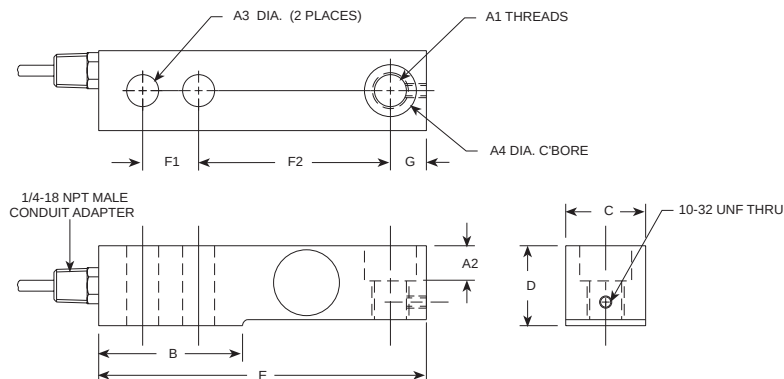
### INTERCHANGEABLE PRODUCTS

| Manufacturer   | Model     |
|----------------|-----------|
| Mettler-Toledo | 745 Mount |

Toledo is a registered trademark of Mettler-Toledo, Inc.



# RLBLC Single-Ended Beam, Stainless Steel With Counter Bore



| RATED<br>CAPACITY     | DIMENSIONS    |      |      |      |      |      |      |       |      |      |      |
|-----------------------|---------------|------|------|------|------|------|------|-------|------|------|------|
|                       | A1            | A2   | A3   | A4   | B    | C    | D    | E     | F1   | F2   | G    |
| <b>lb/inches</b>      |               |      |      |      |      |      |      |       |      |      |      |
| 1000-4000             | 1/2-20 UNF-2B | .56  | .53  | .81  | 2.25 | 1.19 | 1.19 | 5.25  | 1.00 | 3.00 | .50  |
| 5000                  | 3/4-16 UNF-2B | .67  | .78  | 1.19 | 3.00 | 1.44 | 1.44 | 6.75  | 1.50 | 3.75 | .75  |
| 10,000                | 3/4-16 UNF-2B | .79  | .78  | 1.19 | 3.00 | 1.44 | 1.94 | 6.75  | 1.50 | 3.75 | .75  |
| <b>kg/millimeters</b> |               |      |      |      |      |      |      |       |      |      |      |
| 453.6-1814.4          | 1/2-20 UNF-2B | 14.2 | 13.5 | 20.6 | 57.2 | 30.2 | 30.2 | 130.1 | 25.4 | 76.2 | 12.7 |
| 2268.0                | 3/4-16 UNF-2B | 17.0 | 19.8 | 30.2 | 76.2 | 36.6 | 36.6 | 171.5 | 38.1 | 95.3 | 19.1 |
| 4535.9                | 3/4-16 UNF-2B | 20.1 | 19.8 | 30.2 | 76.2 | 36.6 | 49.3 | 171.5 | 38.1 | 95.3 | 19.1 |

**SPECIFICATIONS:**

Full Scale Output: 3.0 mV/V nominal  
Bridge Resistance: 1000 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
15°F to 115°F/-9°C to 46°C  
Seal Type: Environmentally protected  
Safe Overload: 150% Full scale  
Rated Excitation: 10V AC/DC (15V maximum)  
Nonlinearity: 0.03% Full scale  
Hysteresis: 0.05% Full scale

Insulation Resistance: 5000 megohms  
Deflection at Capacity: 1000-4000 lb = .010"/.25mm,  
5000-10,000 lb = .012"/.30mm  
Cable Length: 1000-4000 lb = 10'/3.1m  
5000-10,000 lb = 20'/6.1m  
Cable Color Code: Green ... + Excitation  
Black ..... - Excitation  
White ..... + Signal  
Red ..... - Signal  
Warranty: 2 years

**RLBLC ORDER INFORMATION**

| Load Rating                                         | Part #      | Suggested List Price |
|-----------------------------------------------------|-------------|----------------------|
| 1,000 lb (453.6 kg) .....                           | 17091 ..... | \$275.00             |
| 2,500 lb (1134.0 kg) .....                          | 17096 ..... | \$275.00             |
| 4,000 lb (1814.4 kg) .....                          | 17101 ..... | \$275.00             |
| 5,000 lb (2268.0 kg) .....                          | 17104 ..... | \$365.00             |
| 10,000 lb (4535.9 kg) .....                         | 17108 ..... | \$465.00             |
| <b>Bushing</b> (for conversion to non-counter base) |             |                      |
| 1000 lb - 4000 lb, SST .....                        | 17691 ..... | \$8.00               |
| 5000 lb - 10,000 lb, SST .....                      | 17702 ..... | \$15.00              |

**INTERCHANGEABLE PRODUCTS**

| Manufacturer | Model              |
|--------------|--------------------|
| HBM .....    | (see page 217) BLC |

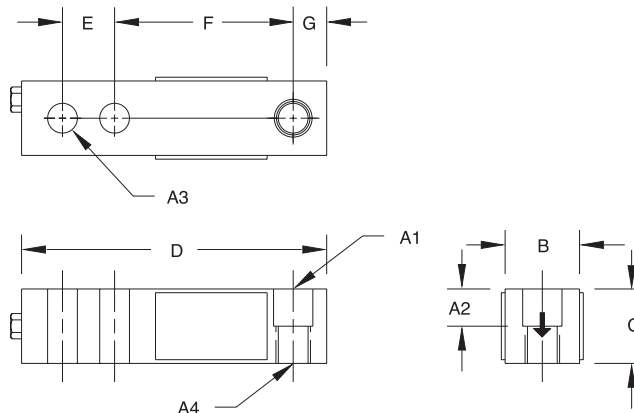
**WEIGH MODULE AVAILABLE**

| Model               | Page # |
|---------------------|--------|
| RL1800 Series ..... | 40     |
| RL50210TA .....     | 30     |



## RL35023 Single-Ended Beam, Alloy Steel

### NTEP 1:5000 Class III Multiple Cell, IP67



| RATED CAPACITY        | A1            | A2   | A3   | A4   | B    | C    | D     | E    | F     | G    |
|-----------------------|---------------|------|------|------|------|------|-------|------|-------|------|
| <b>lb/inches</b>      |               |      |      |      |      |      |       |      |       |      |
| 500                   | 1/2-20 UNF-2B | .50  | .53  | .53  | 1.25 | 1.00 | 5.12  | 1.00 | 3.00  | .50  |
| 1000-5000SE           | 1/2-20 UNF-2B | .62  | .53  | .53  | 1.25 | 1.25 | 5.12  | 1.00 | 3.00  | .50  |
| 5000LE-10,000         | 3/4-16 UNF-2B | .75  | .78  | .78  | 1.50 | 1.50 | 6.75  | 1.50 | 3.75  | .75  |
| 15,000-20,000         | 1-14 UNS-2B   | 1.00 | 1.03 | 1.03 | 2.00 | 2.00 | 8.88  | 2.00 | 4.88  | 1.00 |
| <b>kg/millimeters</b> |               |      |      |      |      |      |       |      |       |      |
| 226.8                 | 1/2-20 UNF-2B | 12.7 | 13.5 | 1.35 | 31.8 | 25.4 | 130.1 | 25.4 | 76.2  | 12.7 |
| 453.6-2268.0SE        | 1/2-20 UNF-2B | 15.8 | 13.5 | 13.5 | 31.8 | 31.8 | 130.1 | 25.4 | 76.2  | 12.7 |
| 2268.0LE-4535.9       | 3/4-16 UNF-2B | 19.1 | 19.8 | 19.8 | 38.1 | 38.1 | 171.5 | 38.1 | 95.3  | 19.1 |
| 6803.9-9071.9         | 1-14 UNS-2B   | 25.4 | 26.2 | 26.2 | 50.8 | 50.8 | 225.6 | 50.8 | 124.0 | 25.4 |

#### SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                         |
| Bridge Resistance: | 350 ohms, nominal                                |
| Material/Finish:   | High-alloy steel, nickel plated                  |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Safe Overload:     | 150% Full scale                                  |
| Rated Excitation:  | 10VDC (15V maximum)                              |
| Nonlinearity:      | 0.03% Full scale                                 |
| Hysteresis:        | 0.02% Full scale                                 |

|                         |                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------|
| Insulation Resistance:  | 5000 megohms                                                                                                    |
| Deflection at Capacity: | 500-1000 lb = .013"/.3mm,<br>2000-3000 lb = .015"/.4mm,<br>4000-5000 lb = .025"/.6mm,<br>10,000 lb = .035"/.9mm |
| Seal Type:              | Environmentally protected, IP67                                                                                 |
| Cable Length:           | 20'/6.1m                                                                                                        |
| Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal                |
| Warranty:               | 2 years                                                                                                         |

#### RL35023 ORDER INFORMATION

| Load Rating                                                                  | Part #       | Suggested List Price |
|------------------------------------------------------------------------------|--------------|----------------------|
| 1,000 lb (453.6 kg) .....                                                    | 21528 .....  | \$295.00             |
| 2,000 lb (907.2 kg) .....                                                    | 21529 .....  | \$295.00             |
| 2,500 lb (1134.0 kg) .....                                                   | 21530 .....  | \$295.00             |
| 3,000 lb (1360.8 kg) .....                                                   | 21531 .....  | \$295.00             |
| 4,000 lb (1814.4 kg) .....                                                   | 21532 .....  | \$295.00             |
| 5,000 lb-SE** (2268.0 kg) .....                                              | 21535 .....  | \$295.00             |
| 5,000 lb-LE (2268.0 kg) .....                                                | 21533 .....  | \$375.00             |
| 10,000 lb (4535.9 kg) .....                                                  | 21534 .....  | \$375.00             |
| <b>Non-NTEP cells:</b>                                                       |              |                      |
| 500 lb (226.8 kg) .....                                                      | 17181 .....  | \$290.00             |
| 15,000 lb (6803.9 kg) .....                                                  | 17186 .....  | \$645.00             |
| 20,000 lb (9071.9 kg) .....                                                  | 17187 .....  | \$645.00             |
| <b>Conduit Adapter Kit* (must be factory installed to maintain warranty)</b> |              |                      |
| 3/8-24 Nipple .....                                                          | 31533* ..... | \$15.00              |
| 3/8-24 to 1/4-18 NPT .....                                                   | 31534* ..... | \$15.00              |

\* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.

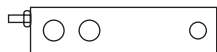
\*\* SE: Denotes small envelope

#### INTERCHANGEABLE PRODUCTS

| Manufacturer        | Model                |
|---------------------|----------------------|
| Celtron .....       | (see page 179) SQB   |
| Sensortronics ..... | (see page 274) 65023 |
| Artech .....        | 30310                |

#### WEIGH MODULE AVAILABLE

| Model               | Page # |
|---------------------|--------|
| RL1800 Series ..... | 40     |
| RL50210TA .....     | 30     |

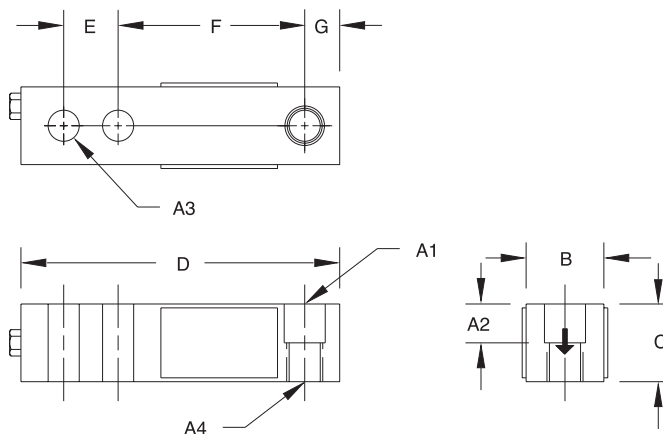


# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RL35023S Single-Ended Beam, Stainless Steel

### NTEP 1:5000 Class III Multiple Cell, IP67



| RATED<br>CAPACITY     | DIMENSIONS    |      |      |           |      |      |       |      |      |      |
|-----------------------|---------------|------|------|-----------|------|------|-------|------|------|------|
|                       | A1            | A2   | A3   | A4        | B    | C    | D     | E    | F    | G    |
| <b>lb/inches</b>      |               |      |      |           |      |      |       |      |      |      |
| 1000-4000             | 1/2-20 UNF-2B | .62  | .53  | .53 DIA.  | 1.25 | 1.25 | 5.12  | 1.00 | 3.00 | .50  |
| 5000-10,000           | 3/4-16 UNF-2B | .75  | .78  | .78 DIA.  | 1.50 | 1.50 | 6.75  | 1.50 | 3.75 | .75  |
| <b>kg/millimeters</b> |               |      |      |           |      |      |       |      |      |      |
| 453.6-1814.4          | 1/2-20 UNF-2B | 15.8 | 13.5 | 13.5 DIA. | 31.8 | 31.8 | 130.1 | 25.4 | 76.2 | 12.7 |
| 2268.0-4535.9         | 3/4-16 UNF-2B | 19.1 | 19.8 | 19.8 DIA. | 38.1 | 38.1 | 171.5 | 38.1 | 95.3 | 19.1 |

#### SPECIFICATIONS:

|                    |                                               |                         |                                                                                                        |
|--------------------|-----------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                      | Insulation Resistance:  | 5000 megohms                                                                                           |
| Bridge Resistance: | 350 ohms, nominal                             | Deflection at Capacity: | 1000 lb = .013"/.33mm, 2000-2500 lb = .015"/.38mm, 4000-5000 lb = .025"/.64mm, 10,000 lb = .32"/.81mm, |
| Material/Finish:   | Stainless steel                               | Seal Type:              | Environmentally protected, IP67                                                                        |
| Temperature:       | Compensated range 14°F to 104°F/-10°C to 40°C | Cable Length:           | 20'/6.1m                                                                                               |
| Safe Overload:     | 150% Full scale                               | Cable Coloring:         | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal       |
| Rated Excitation:  | 10V DC (15V maximum)                          | Warranty:               | 2 years                                                                                                |
| Nonlinearity:      | 0.03% Full scale                              |                         |                                                                                                        |
| Hysteresis:        | 0.02% Full scale                              |                         |                                                                                                        |

#### RL35023S ORDER INFORMATION

| Load Rating                                                                  | Part #       | Suggested List Price |
|------------------------------------------------------------------------------|--------------|----------------------|
| 1000 lb (453.6 kg) .....                                                     | 30649 .....  | \$365.00             |
| 2000 lb (907.2 kg) .....                                                     | 30650 .....  | \$365.00             |
| 2500 lb (1134.0 kg) .....                                                    | 30651 .....  | \$365.00             |
| 4000 lb (1814.4 kg) .....                                                    | 30652 .....  | \$365.00             |
| 5000 lb (2268.0 kg) .....                                                    | 30653 .....  | \$430.00             |
| 10,000 lb (4535.9 kg) .....                                                  | 30654 .....  | \$430.00             |
| <b>Conduit Adapter Kit*</b> (must be factory installed to maintain warranty) |              |                      |
| 3/8-24 Nipple .....                                                          | 31533* ..... | \$15.00              |
| 3/8-24 to 1/4-18 NPT .....                                                   | 31534* ..... | \$15.00              |

\* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.

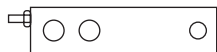
#### INTERCHANGEABLE PRODUCTS

| Manufacturer        | Model                   |
|---------------------|-------------------------|
| Sensortronics ..... | (see page 276) 65023S   |
| Sensortronics ..... | (see page 275) 65023 SS |

#### WEIGH MODULE AVAILABLE

| Model               | Page # |
|---------------------|--------|
| RL1800 Series ..... | 40     |
| RL50210TA .....     | 30     |

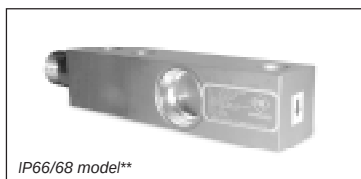




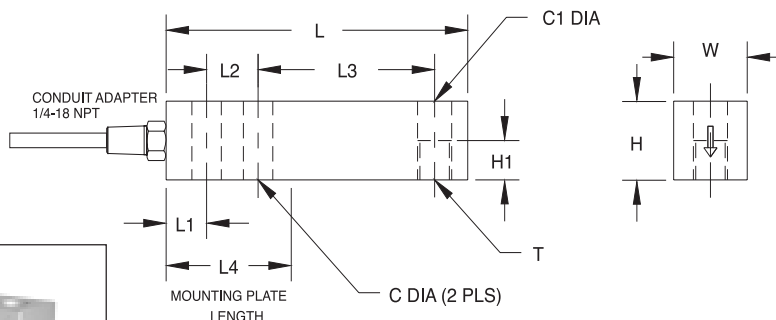
# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RL35082 Single-Ended Beam, Stainless Steel Welded Seal, IP67, IP66/68, NTEP 1:5000 Class III Multiple Cell



IP66/68 model\*\*



| RATED CAPACITY        | C    | C1   | H    | H1   | L     | L1   | L2   | L3   | L4   | T             | W    |
|-----------------------|------|------|------|------|-------|------|------|------|------|---------------|------|
| <b>lb/inches</b>      |      |      |      |      |       |      |      |      |      |               |      |
| 1000-4000             | .53  | .53  | 1.22 | .61  | 5.12  | .62  | 1.00 | 3.00 | 2.25 | 1/2-20 UNF-2B | 1.22 |
| 5000-10,000           | .78  | .78  | 1.50 | .75  | 6.75  | .75  | 1.50 | 3.75 | 3.00 | 3/4-16 UNF-2B | 1.50 |
| <b>kg/millimeters</b> |      |      |      |      |       |      |      |      |      |               |      |
| 453.6-1814.4          | 13.5 | 13.5 | 31.0 | 15.5 | 130.0 | 15.7 | 25.4 | 76.2 | 57.2 | 1/2-20 UNF-2B | 31.0 |
| 2268.0-4535.9         | 19.8 | 19.8 | 38.1 | 19.1 | 171.5 | 19.1 | 38.1 | 95.3 | 76.2 | 3/4-16 UNF-2B | 38.1 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V (35082)  
 Bridge Resistance: 350 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: 10V DC (15V maximum)  
 Combined Error: 0.02% Full scale  
 Non-Repeatability: 0.01% Full scale  
 Insulation Resistance: 5000 megohms

Deflection at Capacity: 1000 lb = .013"/.33mm, 2500 lb = .015"/.38mm, 4000-5000 lb = .025"/.64mm, 10,000 lb = .032"/.81mm  
 Seal Type: Welded seal strain gauge\*, IP67  
 Cable Length: 20'/6.1m Teflon coated cable  
 Conduit Adapter Size: 1/4-18 NPT  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green .... + Signal  
 White ..... - Signal  
 Warranty: 2 years

### RL35082 ORDER INFORMATION

| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| <b>IP67:</b>                |             |                      |
| 1000 lb (453.6 kg) .....    | 31283 ..... | \$425.00             |
| 2500 lb (1134.0 kg) .....   | 31282 ..... | \$425.00             |
| 4000 lb (1814.4 kg) .....   | 31281 ..... | \$425.00             |
| 5000 lb (2268.0 kg) .....   | 31280 ..... | \$475.00             |
| 10,000 lb (4535.9 kg) ..... | 31279 ..... | \$475.00             |
| <b>IP66/68:</b>             |             |                      |
| 1000 lb (453.6 kg) .....    | 34702 ..... | \$505.00             |
| 2500 lb (1134.0 kg) .....   | 34703 ..... | \$505.00             |
| 4000 lb (1814.4 kg) .....   | 34704 ..... | \$505.00             |
| 5000 lb (2268.0 kg) .....   | 34705 ..... | \$555.00             |
| 10,000 lb (4535.9 kg) ..... | 34706 ..... | \$555.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer          | Model                   |
|-----------------------|-------------------------|
| Sensortronics .....   | (see page 278) 65083S   |
| Tedea-Huntleigh ..... | (see page 307) 3510-lbs |

### WEIGH MODULE AVAILABLE

| Model               | Page # |
|---------------------|--------|
| RL1800 Series ..... | 40     |
| RL50210TA .....     | 30     |

\*\*IP66/68 versions have 1/2-14 NPT conduit adapter

Teflon is a registered trademark of E.I. DuPont.

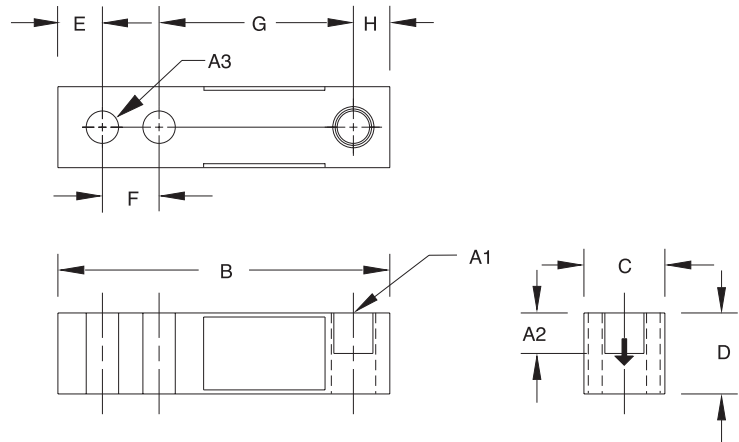
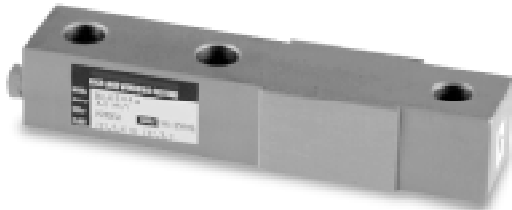
\*Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice



## RL65044 Single-Ended Beam, Alloy Steel



| RATED CAPACITY | A1            | A2   | A3   | DIMENSIONS |      |      |      |      |      |      |
|----------------|---------------|------|------|------------|------|------|------|------|------|------|
| lb/inches      |               |      |      | B          | C    | D    | E    | F    | G    | H    |
| 4000           | 1/2-20 UNF-2B | .60  | .53  | 6.00       | 1.25 | 1.25 | .61  | 1.75 | 3.00 | .63  |
| kg/millimeters |               |      |      | B          | C    | D    | E    | F    | G    | H    |
| 1814.4         | 1/2-20 UNF-2B | 15.2 | 13.5 | 152.4      | 31.8 | 31.8 | 15.5 | 44.5 | 76.2 | 16.0 |

### SPECIFICATIONS:

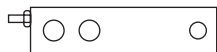
|                    |                                                 |                        |                                                                                                  |
|--------------------|-------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                        | Nonlinearity:          | 0.01% Full scale                                                                                 |
| Bridge Resistance: | 350 ohms, nominal                               | Hysteresis:            | 0.01% Full scale                                                                                 |
| Material/Finish:   | High-alloy steel, nickel plated                 | Insulation Resistance: | 5000 megohms                                                                                     |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C | Cable Length:          | 20'/6.1m                                                                                         |
| Seal Type:         | Environmentally protected                       | Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Safe Overload:     | 150% Full scale                                 | Warranty:              | 2 years                                                                                          |
| Rated Excitation:  | 10VDC (15V maximum)                             |                        |                                                                                                  |

### RL65044 ORDER INFORMATION

| Load Rating         | Part # | Suggested List Price |
|---------------------|--------|----------------------|
| 4000 lb (1814.4 kg) | 17110  | \$550.00             |

### INTERCHANGEABLE PRODUCTS

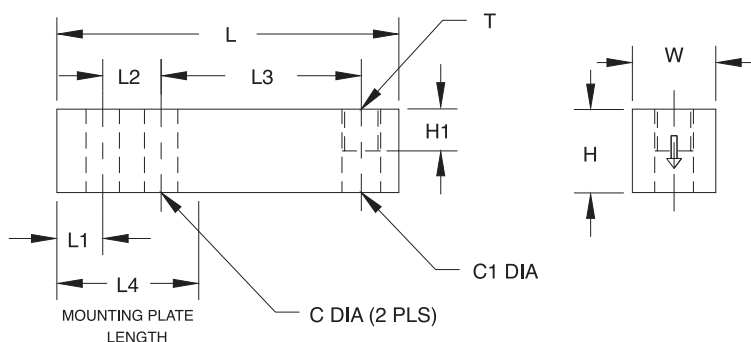
| Manufacturer | Model           |
|--------------|-----------------|
| Electroscale | 017116-002      |
| Electroscale | Slimline Series |
| HBM          | SBTE            |

**RICE LAKE WEIGHING SYSTEMS**

Industrial Solutions on a Global Scale®

# RL39523 Single-Ended Beam, Stainless Steel

## Welded Seal, IP67



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |       |      |      |      |       |            |      |
|-----------------------|------------|------|------|------|-------|------|------|------|-------|------------|------|
|                       | C          | C1   | H    | H1   | L     | L1   | L2   | L3   | L4    | T          | W    |
| <b>lb/inches</b>      |            |      |      |      |       |      |      |      |       |            |      |
| 1000-4000             | .53        | .53  | 1.25 | .62  | 6.12  | 1.62 | 1.00 | 3.00 | 3.38  | 1/2-20 UNF | 1.25 |
| 5000-10,000           | .78        | .78  | 1.50 | .74  | 7.71  | 1.71 | 1.50 | 3.75 | 4.08  | 3/4-16 UNF | 1.50 |
| <b>kg/millimeters</b> |            |      |      |      |       |      |      |      |       |            |      |
| 453.6-1814.4          | 13.5       | 13.5 | 31.8 | 15.8 | 155.5 | 41.2 | 25.4 | 76.2 | 85.9  | 1/2-20 UNF | 31.8 |
| 2268.0-4535.9         | 19.8       | 19.8 | 38.1 | 18.8 | 195.8 | 43.4 | 38.1 | 95.3 | 103.6 | 3/4-16 UNF | 38.1 |

### SPECIFICATIONS:

|                    |                                                                |                         |                                                                                                                   |
|--------------------|----------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                                       | Insulation Resistance:  | 5000 megohms                                                                                                      |
| Bridge Resistance: | 350 ohms, nominal                                              | Deflection at Capacity: | 1000 lb = .016"/1.4mm, 2500 lb = .41"/1.0mm, 4000 lb = .041"/1.0mm, 5000 lb = .035"/.9mm, 10,000 lb = .042"/1.1mm |
| Material/Finish:   | Stainless steel                                                | Cable Length:           | 20'/6.1m                                                                                                          |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C                | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal                  |
| Seal Type:         | Welded seal strain gauge*, IP67                                | Warranty:               | 2 years                                                                                                           |
| Safe Overload:     | 150% Full scale                                                |                         |                                                                                                                   |
| Rated Excitation:  | 10V AC/DC (15V maximum)                                        |                         |                                                                                                                   |
| Non-repeatability: | 0.02% Full scale (RL39523-D1)<br>0.01% Full scale (RL39523-D3) |                         |                                                                                                                   |
| Combined Error:    | 0.1% Full scale (RL39523-D1)<br>0.03% Full scale (RL39523-D3)  |                         |                                                                                                                   |

### RL39523 ORDER INFORMATION

| Load Rating                                                                   | Part #       | Suggested List Price |
|-------------------------------------------------------------------------------|--------------|----------------------|
| <b>RL39523-D3</b>                                                             |              |                      |
| 1000 lb (453.6 kg) .....                                                      | 17241 .....  | \$525.00             |
| 2500 lb (1134.0 kg) .....                                                     | 17242 .....  | \$525.00             |
| 4000 lb (1814.4 kg) .....                                                     | 17243 .....  | \$525.00             |
| 5000 lb (2268.0 kg) .....                                                     | 17244 .....  | \$595.00             |
| 10,000 lb (4535.9 kg) .....                                                   | 17245 .....  | \$600.00             |
| <b>Conduit Adapter Kit**</b> (must be factory installed to maintain warranty) |              |                      |
| 3/8-24 Nipple .....                                                           | 31533* ..... | \$15.00              |
| 3/8-24 to 1/4-18 NPT .....                                                    | 31534* ..... | \$15.00              |

\* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.

### INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model                                               |
|--------------------------|-----------------------------------------------------|
| Revere Transducers ..... | (see page 240) 9523<br>(has counterbored load hole) |

\*\* Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

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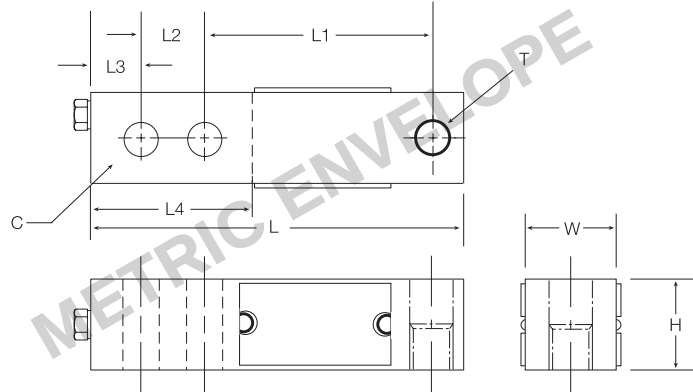
Prices & Specifications subject to change without notice





## RLETB Single-Ended Beam, Alloy Steel

### Environmentally Protected, OIML C3, IP67



| RATED<br>CAPACITY     | DIMENSIONS |      |       |      |      |      |      |      |               |
|-----------------------|------------|------|-------|------|------|------|------|------|---------------|
|                       | C          | H    | L     | L1   | L2   | L3   | L4   | W    | T             |
| <b>kg/millimeters</b> |            |      |       |      |      |      |      |      |               |
| 500-2000              | 57.0       | 32.0 | 130.0 | 76.0 | 25.0 | 16.0 | 13.0 | 32.0 | M12 x 1.75-6H |
| 5000                  | 76.0       | 38.0 | 171.0 | 95.0 | 38.0 | 19.0 | 20.7 | 38.0 | M20 x 1.5-6H  |
| <b>lb/inches</b>      |            |      |       |      |      |      |      |      |               |
| 1102.3-4409.2         | 2.25       | 1.25 | 5.12  | 3.00 | .98  | .63  | .51  | 1.25 | M12 x 1.75-6H |
| 11,023.1              | 3.00       | 1.50 | 6.73  | 3.74 | 1.50 | .75  | .81  | 3.75 | M20 x 1.5-6H  |

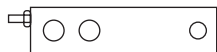
#### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: Alloy steel  
 Temperature: Compensated range  
 14°F to 104°F/-10°C to 40°C  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V AC/DC (15V maximum)  
 Combined Error: 0.03% Full scale

Insulation Resistance: 5000 megohms  
 Seal Type: Environmentally protected, IP67  
 Cable Length: 6m/19.7'  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ..... + Signal  
 White ..... - Signal  
 Warranty: 2 years

#### RLETB ORDER INFORMATION

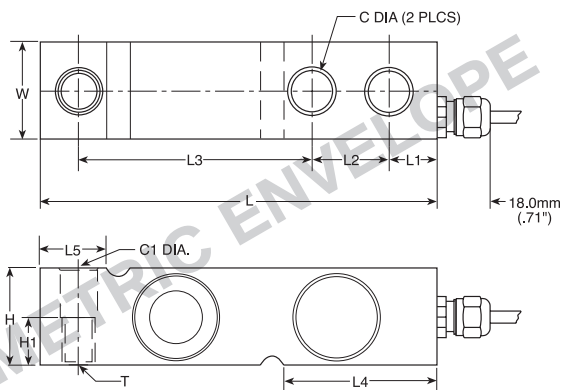
| Load<br>Rating              | Part #      | Suggested<br>List Price |
|-----------------------------|-------------|-------------------------|
| 500 kg (1102.5 lb) .....    | 31249 ..... | \$325.00                |
| 1000 kg (2205.0 lb) .....   | 31248 ..... | \$325.00                |
| 2000 kg (4410.0 lb) .....   | 31247 ..... | \$325.00                |
| 5000 kg (11,025.0 lb) ..... | 31246 ..... | \$405.00                |

**RICE LAKE WEIGHING SYSTEMS**

Industrial Solutions on a Global Scale®

# RLHTO Single-Ended Beam, Stainless Steel

## Hermetically Sealed, IP66/68, OIML C6/C3



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |       |      |      |      |      |      |                  |      |
|-----------------------|------------|------|------|------|-------|------|------|------|------|------|------------------|------|
|                       | C          | C1   | H    | H1   | L     | L1   | L2   | L3   | L4   | L5   | T                | W    |
| <b>kg/millimeters</b> |            |      |      |      |       |      |      |      |      |      |                  |      |
| 500-2000              | 13.5       | 13.5 | 32.0 | 16.0 | 130.0 | 15.8 | 25.4 | 76.2 | 50.5 | 23.5 | M12 x 1.75 Thrd. | 32.0 |
| 5000                  | 20.5       | 20.5 | 48.0 | —    | 171.5 | 19.0 | 38.1 | 95.3 | 70.0 | 37.0 | —                | 36.5 |
| <b>lb/inches</b>      |            |      |      |      |       |      |      |      |      |      |                  |      |
| 1102.3-4409.2         | .53        | .53  | 1.26 | .63  | 5.12  | .62  | 1.00 | 3.00 | 1.99 | .93  | M12 X 1.75 Thrd. | 1.26 |
| 11,023.1              | .80        | .80  | 1.89 | —    | 6.75  | .75  | 1.50 | 3.75 | 2.76 | 1.46 | —                | 1.44 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 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: 10V AC/DC (15V maximum)  
Total Error: 0.02% Applied Load  
Insulation Resistance: 1000 megohms

Deflection at Capacity: 500-5000 kg = .4mm/.015"  
Seal Type: Hermetically sealed, IP66/68  
Cable Length: 5m/16.4'  
Cable Color Code: Blue ..... + Excitation  
Black ..... - Excitation  
Green ... + Sense  
Grey ..... - Sense  
White .... + Signal  
Red ..... - Signal  
Warranty: 2 years

### RLHTO ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| C6 500 kg (1102.5 lb) .....    | 31253 ..... | \$485.00             |
| C6 1000 kg (2205.0 lb) .....   | 31250 ..... | \$485.00             |
| C3 2000 kg (4410.0 lb) .....   | 31251 ..... | \$485.00             |
| C3 5000 kg (11,025.0 lb) ..... | 31252 ..... | \$555.00             |

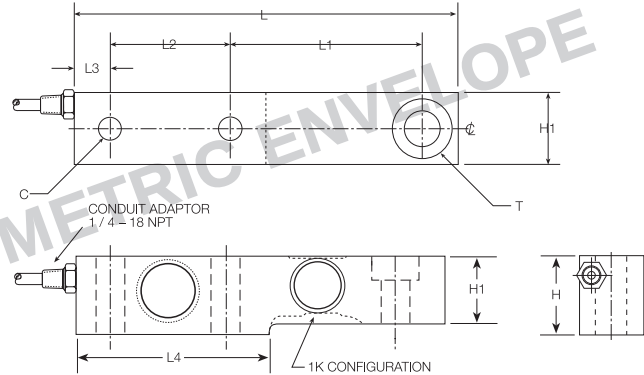
### INTERCHANGEABLE PRODUCTS

| Manufacturer          | Model                  |
|-----------------------|------------------------|
| Tedea-Huntleigh ..... | (see page 308) 3510-kg |



## RLHSS Single-Ended Beam, Stainless Steel

### Welded Seal, IP67, OIML C3



| RATED<br>CAPACITY     | DIMENSIONS |      |      |       |       |      |      |       |                                 |
|-----------------------|------------|------|------|-------|-------|------|------|-------|---------------------------------|
|                       | C          | H    | H1   | L     | L1    | L2   | L3   | L4    | T                               |
| <b>kg/millimeters</b> |            |      |      |       |       |      |      |       |                                 |
| 500-2000              | 17.5       | 47.6 | 36.5 | 202.2 | 98.4  | 63.5 | 19.0 | 101.6 | 17.5 THRU C'BORE 30.2x11.9 DEEP |
| 5000                  | 25.4       | 16.0 | 47.6 | 234.9 | 123.9 | 66.8 | 20.6 | 117.3 | 25.4 THRU C'BORE 41.4x15.7 DEEP |
| <b>lb/inches</b>      |            |      |      |       |       |      |      |       |                                 |
| 1102.3-4409.2         | .69        | 1.87 | 1.44 | 7.96  | 3.87  | 2.50 | .75  | 4.00  | .69 THRU C'BORE 1.19x.47 DEEP   |
| 11,023.1              | 1.00       | .63  | 1.87 | 9.25  | 4.88  | 2.63 | .81  | 4.62  | 1.00 THRU C'BORE 1.63x.62 DEEP  |

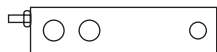
#### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: Alloy steel  
 Temperature: Compensated range  
 14°F to 104°F/-10°C to 40°C  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V AC/DC (15V maximum)  
 Combined Error: 0.03% Full scale

Insulation Resistance: 5000 megohms  
 Seal Type: Welded seal, IP67  
 Cable Length: 6m/19.7'  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green .... + Signal  
 White ..... - Signal  
 Warranty: 2 years

#### RLHSS ORDER INFORMATION

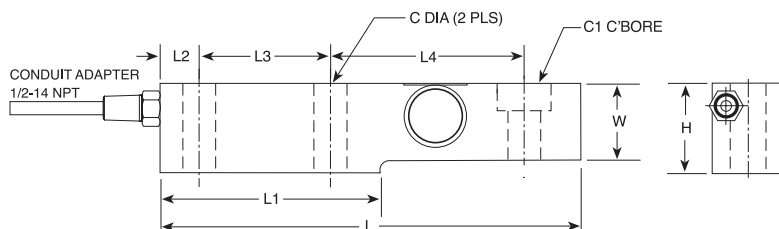
| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| 500 kg (1102.5 lb) .....    | 31245 ..... | \$695.00             |
| 1000 kg (2205.0 lb) .....   | 31242 ..... | \$695.00             |
| 2000 kg (4410.0 lb) .....   | 31243 ..... | \$695.00             |
| 5000 kg (11,025.0 lb) ..... | 31244 ..... | \$795.00             |



# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RLSSB Single-Ended Beam, Stainless Steel Welded Seal, NTEP 1:5000 Class III Multiple Cell, IP67



| RATED<br>CAPACITY     | DIMENSIONS |                             |      |       |       |      |      |       |      |
|-----------------------|------------|-----------------------------|------|-------|-------|------|------|-------|------|
|                       | C          | C1                          | H    | L     | L1    | L2   | L3   | L4    | W    |
| <b>lb/inches</b>      |            |                             |      |       |       |      |      |       |      |
| 1000-5000             | .53        | .68 THRU C'BORE 1.19x.47DP  | 1.88 | 8.00  | 4.00  | .75  | 2.50 | 3.88  | 1.44 |
| 10,000                | .88        | 1.00 THRU C'BORE 1.63x.62DP | 2.75 | 9.25  | 4.62  | .81  | 2.63 | 4.88  | 1.88 |
| <b>kg/millimeters</b> |            |                             |      |       |       |      |      |       |      |
| 453.6-2268.0          | 13.5       | .68 THRU C'BORE 1.19x.47DP  | 47.8 | 203.2 | 101.6 | 19.1 | 63.5 | 98.6  | 36.6 |
| 4535.9                | 22.4       | 1.00 THRU C'BORE 1.63x.62DP | 69.9 | 235.0 | 117.3 | 20.6 | 66.8 | 124.0 | 47.8 |

### SPECIFICATIONS:

|                    |                                                |
|--------------------|------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                       |
| Bridge Resistance: | 350 ohms, nominal                              |
| Material/Finish:   | Stainless steel                                |
| Temperature:       | Operating range<br>14°F to 104°F/-10°C to 40°C |
| Safe Overload:     | 150% Full scale                                |
| Rated Excitation:  | 10V DC (15V maximum)                           |
| Combined Error:    | 0.02%                                          |
| Non-repeatability: | 0.01% Full scale                               |

|                        |                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------|
| Insulation Resistance: | 5000 megohms                                                                                    |
| Seal Type:             | Welded seal, IP67                                                                               |
| Cable Length:          | 20'/6.1m                                                                                        |
| Cable Color Code:      | Green ... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal |
| Warranty:              | 2 years                                                                                         |

### RLSSB ORDER INFORMATION

| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| 1000 lb (453.6 kg) .....    | 34310 ..... | \$600.00             |
| 2000 lb (907.2 kg) .....    | 34311 ..... | \$600.00             |
| 5000 lb (2268.0 kg) .....   | 34312 ..... | \$600.00             |
| 10,000 lb (4535.9 kg) ..... | 34313 ..... | \$715.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model              |
|--------------------------|--------------------|
| HBM .....                | (see page 220) SB3 |
| Revere Transducers ..... | (see page 245) SSB |
| Artech .....             | SS30610            |

### WEIGH MODULE AVAILABLE

| Model                  | Page # |
|------------------------|--------|
| Mount Kit RL1900 ..... | 42     |

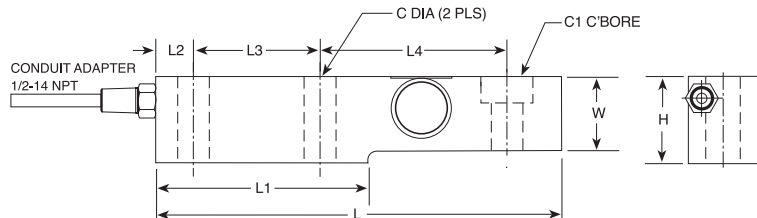
Teflon is a registered trademark of E.I. DuPont.

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Prices & Specifications subject to change without notice



## RLSB250 Single-Ended Beam, Stainless Steel Welded Seal, NTEP 1:5000 Class III Multiple Cell, IP67



| RATED<br>CAPACITY     | DIMENSIONS |                            |      |       |       |      |      |      |      |
|-----------------------|------------|----------------------------|------|-------|-------|------|------|------|------|
|                       | C          | C1                         | H    | L     | L1    | L2   | L3   | L4   | W    |
| <b>lb/inches</b>      |            |                            |      |       |       |      |      |      |      |
| 2500                  | .53        | .68 THRU C'BORE 1.19x.47DP | 1.88 | 8.00  | 4.00  | .75  | 2.50 | 3.88 | 1.44 |
| <b>kg/millimeters</b> |            |                            |      |       |       |      |      |      |      |
| 1134.0                | 13.5       | .68 THRU C'BORE 1.19x.47DP | 47.8 | 203.2 | 101.6 | 19.1 | 63.5 | 98.6 | 36.6 |

### SPECIFICATIONS:

|                    |                                                |
|--------------------|------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                       |
| Bridge Resistance: | 350 ohms, nominal                              |
| Material/Finish:   | Stainless steel                                |
| Temperature:       | Operating range<br>14°F to 104°F/-10°C to 40°C |
| Safe Overload:     | 150% Full scale                                |
| Rated Excitation:  | 10V DC (15V maximum)                           |
| Combined Error:    | 0.02%                                          |
| Non-repeatability: | 0.01% Full scale                               |

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Insulation Resistance: | 5000 megohms                                                                                     |
| Seal Type:             | Welded seal, IP67                                                                                |
| Cable Length:          | 20'/6.2m                                                                                         |
| Cable Color Code:      | Green ... + Excitation<br>Black ..... - Excitation<br>White ..... + Signal<br>Red ..... - Signal |
| Warranty:              | 2 years                                                                                          |

### RLSB250 ORDER INFORMATION

| Load<br>Rating      | Part # | Suggested<br>List Price |
|---------------------|--------|-------------------------|
| 2500 lb (1134.0 kg) | 34482  | \$595.00                |

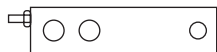
### INTERCHANGEABLE PRODUCTS

| Manufacturer | Model  |
|--------------|--------|
| Cardinal®    | SB2500 |

### WEIGH MODULE AVAILABLE

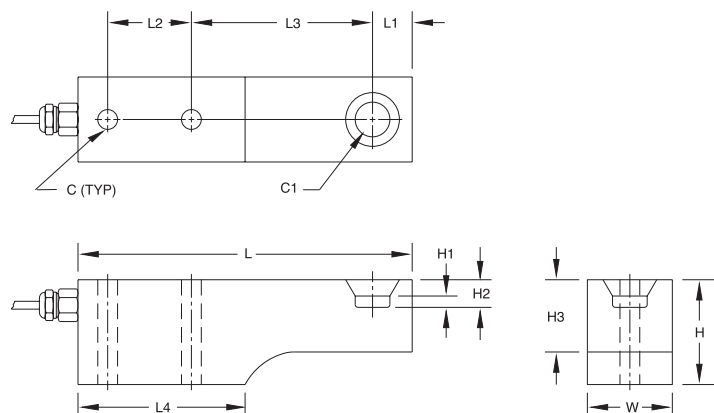
| Model            | Page # |
|------------------|--------|
| Mount Kit RL1900 | 42     |

Cardinal is a registered trademark of Cardinal Scale Manufacturing Co.



# RLSB2 Single-Ended Beam

## Alloy Steel with Blind Load Hole, IP67



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |      |       |      |      |       |       |      |
|-----------------------|------------|------|------|------|------|------|-------|------|------|-------|-------|------|
|                       | C          | C1   | H    | H1   | H2   | H3   | L     | L1   | L2   | L3    | L4    | W    |
| <b>lb/inches</b>      |            |      |      |      |      |      |       |      |      |       |       |      |
| 1000-5000             | .53        | .87  | 1.87 | .25  | .47  | 1.43 | 8.00  | .87  | 2.50 | 3.87  | 4.00  | 1.43 |
| 10,000                | .87        | 1.00 | 2.75 | .25  | .62  | 1.85 | 9.25  | .87  | 2.62 | 4.87  | 4.62  | 1.87 |
| 20,000                | 1.06       | 1.25 | 3.25 | .37  | .81  | 2.50 | 11.00 | 1.25 | 3.25 | 5.50  | 5.50  | 2.37 |
| 35,000                | 1.31       | 1.50 | 3.75 | .46  | .91  | 2.68 | 12.50 | 1.50 | 3.50 | 6.25  | 6.25  | 2.75 |
| 45,000                | 1.31       | 1.50 | 3.75 | .46  | .87  | 2.68 | 12.50 | 1.50 | 3.50 | 6.25  | 6.25  | 2.75 |
| <b>kg/millimeters</b> |            |      |      |      |      |      |       |      |      |       |       |      |
| 453.6-2268.0          | 13.5       | 22.1 | 47.5 | 6.4  | 11.9 | 36.3 | 203.2 | 22.1 | 63.5 | 98.3  | 101.6 | 36.3 |
| 4535.9                | 22.1       | 25.4 | 69.9 | 6.4  | 15.8 | 47.0 | 235.0 | 22.1 | 66.6 | 123.7 | 117.4 | 47.5 |
| 9071.9                | 26.9       | 31.8 | 82.6 | 9.4  | 20.6 | 63.5 | 279.4 | 31.8 | 82.6 | 139.7 | 139.7 | 60.2 |
| 15,875.7              | 33.3       | 38.1 | 95.3 | 11.7 | 23.1 | 68.1 | 317.5 | 38.1 | 88.9 | 158.8 | 158.8 | 69.9 |
| 20,411.7              | 33.3       | 38.1 | 95.3 | 11.7 | 22.1 | 68.1 | 317.5 | 38.1 | 88.9 | 158.8 | 158.8 | 69.9 |

**SPECIFICATIONS:**

|                    |                                                 |                        |                                                                                                  |
|--------------------|-------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V ± .07%*                                | Insulation Resistance: | 10000 megohms                                                                                    |
| Bridge Resistance: | 350 ohms, nominal                               | Seal Type:             | 35,000 & 45,000 lb/15,875.7 & 20,411.7 kg,<br>Hermetically sealed, IP66                          |
| Material/Finish:   | High-alloy steel, epoxy coated                  |                        | All others, Environmentally protected                                                            |
| Temperature:       | Compensated range<br>15°F to 115°F/-9°C to 46°C | Cable Length:          | 1000-5000 lb=10'/3.1m, 10,000-20,000 lb=15'/4.6m,<br>35,000-45,000 lb=30'/9.2m                   |
| Safe Overload:     | 150% Full scale                                 | Cable Color Code:      | Green .... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal |
| Rated Excitation:  | 10V DC or AC (18V maximum)                      | Warranty:              | 2 years                                                                                          |
| Nonlinearity:      | 0.03% Full scale                                |                        |                                                                                                  |
| Hysteresis:        | 0.02% Full scale                                |                        |                                                                                                  |

**RLSB2 ORDER INFORMATION**

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 1000 lb (453.6 kg) .....      | 17211 ..... | \$1,295.00           |
| 2000 lb (907.2 kg) .....      | 17212 ..... | \$1,295.00           |
| 5000 lb (2268.0 kg) .....     | 17213 ..... | \$1,295.00           |
| 10,000 lb (4535.9 kg) .....   | 17214 ..... | \$1,295.00           |
| 20,000 lb (9071.9 kg) .....   | 17215 ..... | \$1,495.00           |
| 35,000 lb (15,875.7 kg) ..... | 17216 ..... | \$1,595.00           |
| 45,000 lb (20,411.7 kg) ..... | 17217 ..... | \$1,595.00           |

\* Matched outputs

**INTERCHANGEABLE PRODUCTS**

| Manufacturer    | Model          | Capacity                |
|-----------------|----------------|-------------------------|
| Masstron® ..... | ML1310 .....   | 1000 lb (453.6 kg)      |
| Masstron® ..... | ML1320 .....   | 2000 lb (907.2 kg)      |
| Masstron® ..... | ML1350 .....   | 5000 lb (2268.0 kg)     |
| Masstron® ..... | ML1410 .....   | 10,000 lb (4535.9 kg)   |
| Masstron® ..... | ML1420 .....   | 20,000 lb (9071.9 kg)   |
| Masstron® ..... | ML1435 .....   | 35,000 lb (15,875.7 kg) |
| Masstron® ..... | ML1437** ..... | 35,000 lb (15,875.7 kg) |
| Masstron® ..... | ML1445 .....   | 45,000 lb (20,411.7 kg) |
| Masstron® ..... | ML1447** ..... | 45,000 lb (20,411.7 kg) |

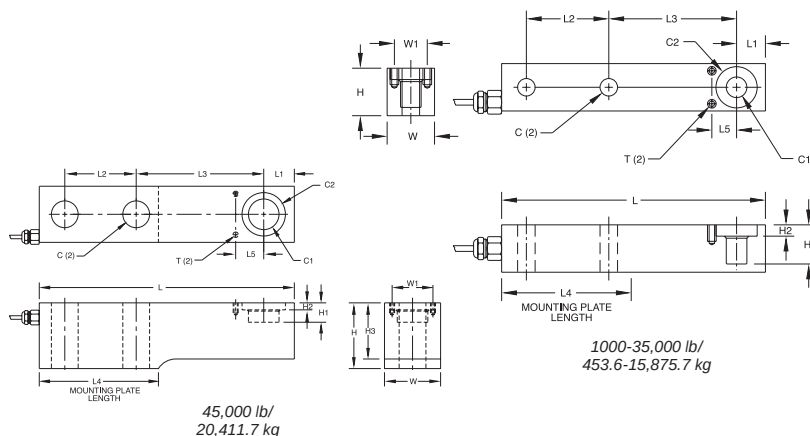
\*\* Load cells were originally equipped with spark gaps and stainless steel outer sheath cable.

Masstron is a registered trademark of Mettler-Toledo Inc.



## RLSB2L/RLSB2M Single-Ended Beam

### Alloy Steel/Stainless Steel with Blind Load Hole, IP67



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |     |      |       |      |      |       |       |      |      |      |              |
|-----------------------|------------|------|------|------|------|-----|------|-------|------|------|-------|-------|------|------|------|--------------|
|                       | C          | C1   | C2   | H    | H1   | H2  | H3   | L     | L1   | L2   | L3    | L4    | L5   | W    | W1   | T            |
| <b>lb/inches</b>      |            |      |      |      |      |     |      |       |      |      |       |       |      |      |      |              |
| 1000-5000             | .53        | .62  | 1.25 | 1.43 | 1.18 | .34 | —    | 8.00  | .87  | 2.50 | 3.87  | 4.00  | .75  | 1.43 | 1.00 | 8-32X.37DP   |
| 10,000                | .84        | .87  | 1.50 | 1.70 | 1.08 | .39 | —    | 9.25  | .87  | 2.62 | 4.87  | 4.62  | .87  | 1.68 | 1.12 | 10-32X.37DP  |
| 20,000                | 1.06       | 1.25 | 1.87 | 2.37 | .81  | .37 | —    | 11.00 | 1.25 | 3.25 | 5.50  | 5.50  | 1.25 | 2.37 | 1.75 | 10-32X.37DP  |
| 35,000                | 1.31       | 1.50 | 2.12 | 2.75 | .95  | .37 | —    | 12.50 | 1.50 | 3.50 | 6.25  | 6.00  | 1.37 | 2.75 | 2.00 | 10-32X.50DP  |
| 45,000                | 1.31       | 1.50 | 2.12 | 3.22 | .95  | .37 | 2.75 | 12.50 | 1.50 | 3.50 | 6.25  | 5.84  | 1.37 | 2.75 | 2.00 | 10-32X.50DP  |
| <b>kg/millimeters</b> |            |      |      |      |      |     |      |       |      |      |       |       |      |      |      |              |
| 453.6-2268.0          | 13.5       | 15.8 | 31.8 | 36.3 | 30.0 | 8.6 | —    | 203.2 | 22.1 | 63.5 | 98.3  | 101.6 | 19.1 | 36.3 | 25.4 | 8-32X9.4DP   |
| 4535.9                | 21.3       | 22.1 | 38.1 | 43.2 | 27.4 | 9.9 | —    | 235.0 | 22.1 | 66.6 | 123.7 | 117.4 | 22.1 | 42.7 | 28.5 | 10-32X9.4DP  |
| 9071.9                | 26.9       | 31.8 | 47.5 | 60.2 | 20.8 | 9.4 | —    | 279.4 | 31.8 | 82.6 | 139.7 | 139.7 | 31.8 | 60.2 | 44.5 | 10-32X9.4DP  |
| 15,875.7              | 33.3       | 38.1 | 53.9 | 69.9 | 24.1 | 9.4 | —    | 317.5 | 38.1 | 88.9 | 158.8 | 152.4 | 34.8 | 69.9 | 50.8 | 10-32X12.7DP |
| 20,411.7              | 33.3       | 38.1 | 53.9 | 81.8 | 24.1 | 9.4 | 69.9 | 317.5 | 38.1 | 88.9 | 158.8 | 148.3 | 34.8 | 69.9 | 50.8 | 10-32X12.7DP |

#### SPECIFICATIONS:

|                    |                                                                                                                            |                        |                                                                                                                   |
|--------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V ± .07% (Matched)                                                                                                  | Insulation Resistance: | 10000 megohms                                                                                                     |
| Bridge Resistance: | 350 ohms, nominal (RLSB2L)<br>2000 ohms (RLSB2M)                                                                           | Seal Type:             | 35,000 & 45,000 lb/15,875.7 & 20,411.7 kg,<br>Hermetically sealed, IP67<br>All others - environmentally protected |
| Material/Finish:   | 1000-10,000 lb - Stainless steel<br>20,000-45,000 lb - High-alloy steel, epoxy coated<br>45,000 lb (2000Ω)-Stainless steel | Cable Length:          | 1000-5000 lb=10'/3.1m, 10,000-20,000 lb=15'/4.6m,<br>35,000-45,000 lb=30'/9.2m                                    |
| Temperature:       | Compensated range<br>15°F to 115°F/-9°C to 46°C                                                                            | Cable Color Code:      | Green ... + Excitation<br>Black ..... Excitation<br>White .... + Signal<br>Red ..... - Signal                     |
| Safe Overload:     | 150% Full scale                                                                                                            | Warranty:              | 2 years                                                                                                           |
| Rated Excitation:  | 10V DC/AC (18V maximum)                                                                                                    |                        |                                                                                                                   |
| Nonlinearity:      | 0.03% Full scale                                                                                                           |                        |                                                                                                                   |
| Hysteresis:        | 0.03% Full scale                                                                                                           |                        |                                                                                                                   |

#### RLSB2L/RLSB2M ORDER INFORMATION

| Load Rating                     | Part # | Suggested List Price |
|---------------------------------|--------|----------------------|
| <b>RLSB2L</b>                   |        |                      |
| 1000 lb (453.6 kg)              | 17204  | \$865.00             |
| 3000 lb (1360.8 kg)             | 17205  | \$865.00             |
| 5000 lb (2268.0 kg)             | 17206  | \$865.00             |
| 10,000 lb (4535.9 kg)           | 17207  | \$965.00             |
| 20,000 lb (9071.9 kg)           | 17208  | \$995.00             |
| 35,000 lb (15,875.7 kg)         | 65234  | \$1,495.00           |
| <b>RLSB2M</b>                   |        |                      |
| 45,000 lb (20,411.7 kg) 350Ω .. | 22279  | \$1,565.00           |
| 45,000* lb (20,411.7 kg) 2000Ω  | 31915  | \$1,565.00           |

\* Hermetically sealed

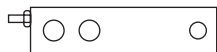
Masstron is a registered trademark of Mettler-Toledo Inc.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

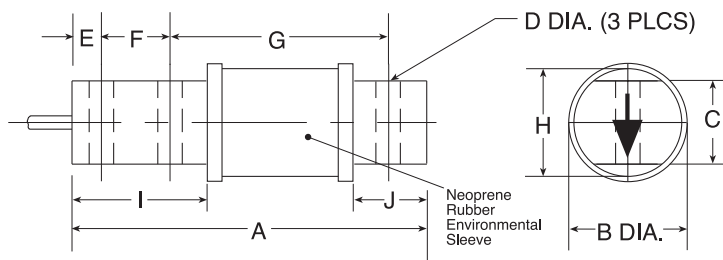
Prices & Specifications subject to change without notice

#### INTERCHANGEABLE PRODUCTS

| Manufacturer | Model  | Capacity                |
|--------------|--------|-------------------------|
| Masstron®    | ML4311 | 1000 lb (453.6 kg)      |
| Masstron®    | ML4331 | 3000 lb (1360.8 kg)     |
| Masstron®    | ML4350 | 5000 lb (2268.0 kg)     |
| Masstron®    | ML4410 | 10,000 lb (4535.9 kg)   |
| Masstron®    | ML4420 | 20,000 lb (9071.9 kg)   |
| Masstron®    | ML4437 | 35,000 lb (15,875.7 kg) |
| Masstron®    | ML4447 | 45,000 lb (20,411.7 kg) |
| Masstron®    | ML4449 | 45,000 lb (20,411.7 kg) |



# RL50210 Single-Ended Beam, Alloy Steel, IP65

**RATED CAPACITY****lb/inches**  
25-500

| DIMENSIONS |      |     |     |     |     |      |      |      |     |
|------------|------|-----|-----|-----|-----|------|------|------|-----|
| A          | B    | C   | D   | E   | F   | G    | H    | I    | J   |
| 2.81       | 1.30 | .62 | .26 | .25 | .50 | 1.81 | 1.00 | 1.00 | .50 |

**kg/millimeters**  
11.3-226.8

|      |      |      |     |     |      |      |      |      |      |
|------|------|------|-----|-----|------|------|------|------|------|
| 71.4 | 33.0 | 15.8 | 6.6 | 6.4 | 12.7 | 46.0 | 25.4 | 25.4 | 12.7 |
|------|------|------|-----|-----|------|------|------|------|------|

**SPECIFICATIONS:**

|                        |                                                 |                         |                                                                                                                |
|------------------------|-------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                        | Deflection at Capacity: | 25-50 lb = .008"/.20mm, 100 lb = .010"/.25mm, 150 lb = .012"/.30mm, 250 lb = .016"/.41mm, 500 lb = .025"/.64mm |
| Bridge Resistance:     | 350 ohms, nominal                               | Seal Type:              | Environmentally protected with neoprene sleeve, IP67                                                           |
| Material/Finish:       | High-alloy steel, nickel plated                 | Cable Length:           | 20'/6.1m                                                                                                       |
| Temperature:           | Compensated range<br>0°F to 150°F/-18°C to 65°C | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal               |
| Safe Overload:         | 150% Full scale                                 | Warranty:               | 2 years                                                                                                        |
| Rated Excitation:      | 10V DC (15V maximum)                            |                         |                                                                                                                |
| Nonlinearity:          | 0.03% Full scale                                |                         |                                                                                                                |
| Hysteresis:            | 0.02% Full scale                                |                         |                                                                                                                |
| Insulation Resistance: | 5000 megohms                                    |                         |                                                                                                                |

**RL50210 ORDER INFORMATION**

| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 25 lb (11.3 kg) .....   | 17385 ..... | \$245.00             |
| 50 lb (22.7 kg) .....   | 17380 ..... | \$245.00             |
| 100 lb (45.4 kg) .....  | 17381 ..... | \$245.00             |
| 150 lb (68.0 kg) .....  | 17382 ..... | \$245.00             |
| 250 lb (113.4 kg) ..... | 17383 ..... | \$245.00             |
| 500 lb (226.8 kg) ..... | 17384 ..... | \$245.00             |

**INTERCHANGEABLE PRODUCTS**

| Manufacturer             | Model                    |
|--------------------------|--------------------------|
| Sensortronics .....      | (see page 280) 60040     |
| Artech .....             | 50210                    |
| Revere Transducers ..... | 5503                     |
| Rice Lake .....          | (see page 121) RL50210SS |

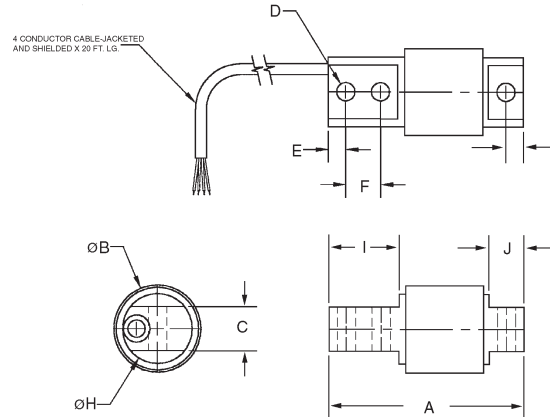
**WEIGH MODULE AVAILABLE**

| Model            | Page # |
|------------------|--------|
| RL50210 TA ..... | 30     |





## RL50210SS Single-Ended Beam, Stainless Steel, IP67



### RATED CAPACITY

**lb/inches**  
25-500

| A    | B    | C   | D   | E   | F   | G    | H    | I    | J   |
|------|------|-----|-----|-----|-----|------|------|------|-----|
| 2.81 | 1.30 | .62 | .26 | .25 | .50 | 1.81 | 1.00 | 1.00 | .50 |

**kg/millimeters**  
11.3-226.8

| A    | B    | C    | D   | E   | F    | G    | H    | I    | J    |
|------|------|------|-----|-----|------|------|------|------|------|
| 71.4 | 33.0 | 15.8 | 6.6 | 6.4 | 12.7 | 46.0 | 25.4 | 25.4 | 12.7 |

### DIMENSIONS

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
 Bridge Resistance: 350 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: 10V DC (15V maximum)  
 Nonlinearity: 0.03% Full scale  
 Hysteresis: 0.05% Full scale  
 Insulation Resistance: 5000 megohms

Deflection at Capacity: 25-50 lb = .008"/.20mm, 100 lb = .010"/.25mm,  
 150 lb = .012"/.30mm, 250 lb = .016"/.41mm,  
 500 lb = .025"/.64mm

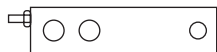
Seal Type: Environmentally protected with stainless sleeve, IP67  
 Cable Length: 20'/6.1m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 2 years

### RL50210SS ORDER INFORMATION

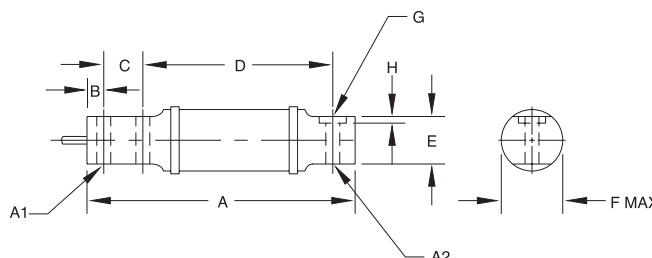
| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 25 lb (11.3 kg) .....   | 53209 ..... | \$285.00             |
| 50 lb (22.7 kg) .....   | 53210 ..... | \$285.00             |
| 75 lb (34.0 kg) .....   | 53211 ..... | \$285.00             |
| 100 lb (45.4 kg) .....  | 53212 ..... | \$285.00             |
| 150 lb (68.0 kg) .....  | 53213 ..... | \$285.00             |
| 250 lb (113.4 kg) ..... | 53214 ..... | \$285.00             |
| 500 lb (226.8 kg) ..... | 53215 ..... | \$285.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model                  |
|--------------------------|------------------------|
| Sensortronics .....      | (see page 280) 60040   |
| Artech .....             | 50210                  |
| Revere Transducers ..... | 5503                   |
| Rice Lake .....          | (see page 120) RL50210 |



# RL40BBS Single-Ended Beam, Alloy Steel, IP65



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |       |      |      |      |     |
|-----------------------|------------|------|------|------|------|-------|------|------|------|-----|
|                       | A          | A1   | A2   | B    | C    | D     | E    | F    | G    | H   |
| <b>lb/inches</b>      |            |      |      |      |      |       |      |      |      |     |
| 50-100                | 6.00       | .31  | .31  | .38  | .88  | 4.25  | 1.06 | 1.41 | —    | —   |
| 200-1000              | 6.62       | .52  | .52  | .50  | 1.12 | 4.25  | 1.06 | 1.41 | —    | —   |
| 2500                  | 11.38      | .53  | .62  | .50  | 1.75 | 8.25  | 1.25 | 2.19 | 1.19 | .12 |
| <b>kg/millimeters</b> |            |      |      |      |      |       |      |      |      |     |
| 22.7-45.4             | 52.4       | 7.9  | 7.9  | 9.7  | 22.4 | 108.0 | 26.9 | 35.8 | —    | —   |
| 90.7-453.6            | 168.2      | 13.2 | 13.2 | 12.7 | 28.5 | 108.0 | 26.9 | 35.8 | —    | —   |
| 1134.0                | 289.1      | 13.5 | 15.8 | 12.7 | 44.5 | 209.6 | 31.8 | 55.6 | 30.3 | 3.0 |

**SPECIFICATIONS:**

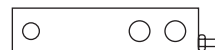
|                    |                                                           |                         |                                                                                                                                                  |
|--------------------|-----------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                                  | Insulation Resistance:  | 5000 megohms                                                                                                                                     |
| Bridge Resistance: | 50-1000 lb/750 ohms, nominal<br>2500 lb/347 ohms, nominal | Deflection at Capacity: | 50 lb = .015"/.38mm, 100 lb = .005"/.127mm,<br>200-250 lb = .030"/.76mm, 500 lb = .020"/.51mm,<br>1000 lb = .040"/1.02mm, 2500 lb = .120"/3.05mm |
| Material/Finish:   | High-alloy steel, nickel plated                           | Seal Type:              | Environmentally protected with neoprene sleeve, IP65                                                                                             |
| Temperature:       | Compensated range<br>15°F to 115°F/-9°C to 46°C           | Cable Length:           | 10'/3.1m                                                                                                                                         |
| Safe Overload:     | 150% Full scale                                           | Cable Color Code:       | Green ... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red ..... - Signal                                                   |
| Rated Excitation:  | 10V AC/DC (15V maximum)                                   | Warranty:               | 2 years                                                                                                                                          |
| Nonlinearity:      | 0.03% Full scale                                          |                         |                                                                                                                                                  |
| Hysteresis:        | 0.02% Full scale                                          |                         |                                                                                                                                                  |

**RL40BBS ORDER INFORMATION**

| Load Rating         | Part # | Suggested List Price |
|---------------------|--------|----------------------|
| 50 lb (22.7 kg)     | 17395  | \$375.00             |
| 100 lb (45.4 kg)    | 17343  | \$375.00             |
| 200 lb (90.7 kg)    | 17396  | \$375.00             |
| 250 lb (113.4 kg)   | 17397  | \$375.00             |
| 500 lb (226.8 kg)   | 17398  | \$375.00             |
| 1000 lb (453.6 kg)  | 17344  | \$375.00             |
| 2500 lb (1134.0 kg) | 17345  | \$595.00             |

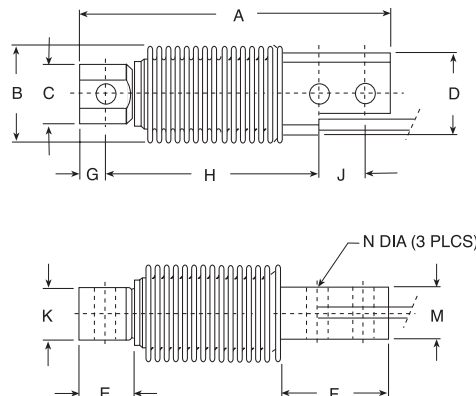
**INTERCHANGEABLE PRODUCTS**

| Manufacturer  | Model              |
|---------------|--------------------|
| HBM           | (see page 218) BBS |
| Sensortronics | 60007              |
| BLH®          | LBG1, LBP1 Series  |
| Fairbanks®    | 3-481XX-1          |
| Fairbanks®    | 3-48660-1          |



## RLHBB Single-Ended Beam, Stainless Steel

### Hermetically Sealed, IP68, NTEP 1:5000 Class III Multiple Cell, OIML C3



| RATED CAPACITY | DIMENSIONS |      |      |      |      |      |      |      |      |      |      |      |
|----------------|------------|------|------|------|------|------|------|------|------|------|------|------|
|                | A          | B    | C    | D    | E    | F    | G    | H    | J    | K    | M    | N    |
| kg/millimeters |            |      |      |      |      |      |      |      |      |      |      |      |
| 5-500          | 120.0      | 40.0 | 23.0 | 32.0 | 20.5 | 45.5 | 10.0 | 82.0 | 18.0 | 20.0 | 20.0 | 8.20 |
| lb/inches      |            |      |      |      |      |      |      |      |      |      |      |      |
| 11.0-1102.3    | 4.72       | 1.61 | .91  | 1.26 | .81  | 1.79 | .39  | 3.23 | .71  | .79  | .79  | .32  |

#### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 350 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: 10V AC/DC (15V maximum)  
 Total Error: 0.02% Full scale  
 Insulation Resistance: 1000 megohms

Deflection at Capacity: 5-250 kg ≤ .4mm/.015"  
 Seal Type: Hermetically sealed, IP68  
 Cable Length: 3m/10'  
 Cable Color Code: Blue ..... + Excitation  
 Black ..... - Excitation  
 White ..... + Signal  
 Red ..... - Signal  
 Green ..... + Sense  
 Gray ..... - Sense  
 Warranty: 2 years

#### RLHBB ORDER INFORMATION

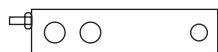
| Load Rating              | Part #      | Suggested List Price |
|--------------------------|-------------|----------------------|
| <b>OIML</b>              |             |                      |
| 5 kg (11.0 lb) .....     | 32678 ..... | \$525.00             |
| 10 kg (22.0 lb) .....    | 32677 ..... | \$525.00             |
| 20 kg (44.1 lb) .....    | 31259 ..... | \$525.00             |
| 50 kg (110.2 lb) .....   | 31260 ..... | \$525.00             |
| 100 kg (220.5 lb) .....  | 31261 ..... | \$525.00             |
| 200 kg (441.0 lb) .....  | 31262 ..... | \$525.00             |
| 250 kg (551.2 lb) .....  | 31263 ..... | \$525.00             |
| 500 kg (1102.5 lb) ..... | 36462 ..... | \$525.00             |
| <b>NTEP</b>              |             |                      |
| 5 kg (11.0 lb) .....     | 41113 ..... | \$525.00             |
| 10 kg (22.0 lb) .....    | 41114 ..... | \$525.00             |
| 20 kg (44.1 lb) .....    | 41115 ..... | \$525.00             |
| 50 kg (110.2 lb) .....   | 41116 ..... | \$525.00             |
| 100 kg (220.5 lb) .....  | 41117 ..... | \$525.00             |
| 200 kg (441.0 lb) .....  | 41118 ..... | \$525.00             |
| 250 kg (551.2 lb) .....  | 41119 ..... | \$525.00             |
| 500 kg (1102.5 lb) ..... | 41120 ..... | \$525.00             |

#### INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model              |
|--------------------------|--------------------|
| HBM .....                | (see page 222) Z6  |
| Revere Transducers ..... | (see page 244) SHB |
| Tedea-Huntleigh .....    | (see page 310) 355 |

#### WEIGH MODULE AVAILABLE

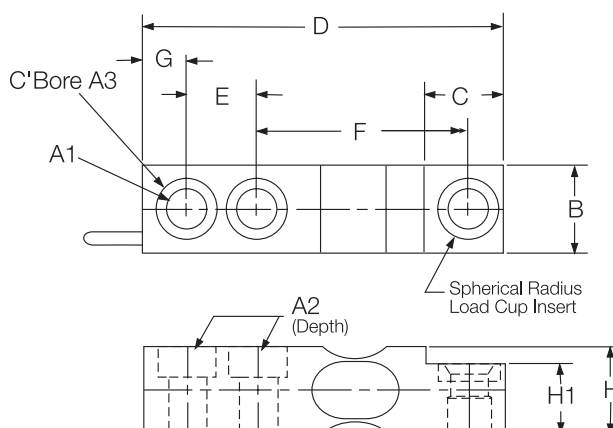
| Model               | Page # |
|---------------------|--------|
| 1700HE Series ..... | 16     |



# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RLMK15 Single-Ended Beam, Alloy Steel, IP67



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |       |      |      |      |      |      |
|-----------------------|------------|------|------|------|------|-------|------|------|------|------|------|
|                       | A1         | A2   | A3   | B    | C    | D     | E    | F    | G    | H    | H1   |
| <b>lb/inches</b>      |            |      |      |      |      |       |      |      |      |      |      |
| 500-4000              | .53 DIA.   | .44  | .84  | 1.25 | 1.12 | 5.13  | 1.00 | 3.00 | .63  | 1.25 | 1.00 |
| <b>kg/millimeters</b> |            |      |      |      |      |       |      |      |      |      |      |
| 226.8-1814.4          | 13.4 DIA.  | 11.2 | 21.3 | 31.8 | 28.4 | 130.3 | 25.4 | 76.2 | 16.0 | 31.8 | 25.4 |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: Alloy steel  
Temperature: Compensated range  
0°F to 150°F/-18°C to 65°C  
Safe Overload: 150% Full scale  
Rated Excitation: 15V AC/DC  
Nonlinearity: 0.02% Full scale  
Hysteresis: 0.03% Full scale

Insulation Resistance: >2000 megohms  
Seal Type: Environmentally protected, IP67  
Cable Length: 20'/6.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ... + Signal  
White ..... - Signal  
Orange ... Shield  
Warranty: 2 years

### RLMK15 ORDER INFORMATION

| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| 500 lb (226.8 kg) .....   | 47945 ..... | \$665.00             |
| 1000 lb (453.6 kg) .....  | 33295 ..... | \$665.00             |
| 2500 lb (1134.0 kg) ..... | 33294 ..... | \$665.00             |
| 4000 lb (1814.4 kg) ..... | 47949 ..... | \$665.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer | Model  |
|--------------|--------|
| NCI® .....   | Mark15 |

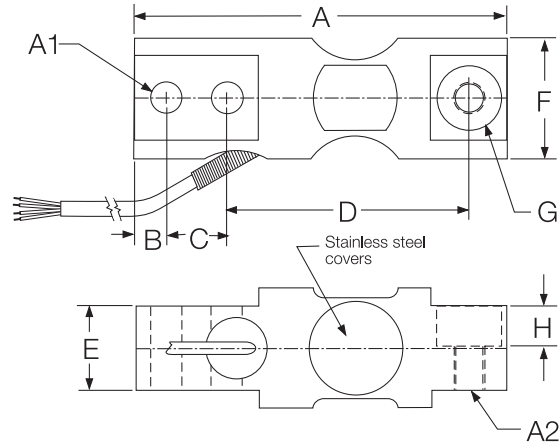
NCI is a registered trademark of Weigh-Tronix, Inc.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice



## RL32155 Single-Ended Beam, Stainless Steel, IP67



| RATED CAPACITY        | DIMENSIONS |       |               |      |      |       |      |      |           |      |
|-----------------------|------------|-------|---------------|------|------|-------|------|------|-----------|------|
|                       | A          | A1    | A2            | B    | C    | D     | E    | F    | G         | H    |
| <b>lb/inches</b>      |            |       |               |      |      |       |      |      |           |      |
| 500-2000              | 6.13       | .515  | 1/2 20 UNF-2B | .50  | 1.00 | 4.00  | 1.40 | 1.99 | 1.07 DIA. | .67  |
| <b>kg/millimeters</b> |            |       |               |      |      |       |      |      |           |      |
| 226.8-907.2           | 155.7      | 13.08 | 1/2 20 UNF-2B | 12.7 | 25.4 | 101.6 | 35.6 | 50.5 | 27.2 DIA. | 17.0 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 440 ohms, nominal w/voltage applied  
 Material/Finish: Stainless steel  
 Temperature: Compensated range  
 0°F to 150°F/-18°C to 65°C  
 Safe Overload: 150% Full scale  
 Rated Excitation: 15V AC/DC  
 Nonlinearity: 0.02% Full scale  
 Hysteresis: 0.03% Full scale

Insulation Resistance: 5000 megohms  
 Seal Type: Environmentally protected, IP67  
 Cable Length: 15'/4.6m  
 Cable Color Code:  
 White .... + Excitation  
 Blue ..... - Excitation  
 Green ... + Signal  
 Black ..... - Signal  
 Yellow .. + Sense  
 Red ..... - Sense  
 Orange ... Shield  
 Warranty: 2 years

### RL32155 ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 500 lb (226.8 kg) .....       | 31914 ..... | \$525.00             |
| 1000 lb (453.9 kg) .....      | 31912 ..... | \$525.00             |
| 2000 lb (907.2 kg) .....      | 31913 ..... | \$525.00             |
| Load Cup (See page 309) ..... | 31911 ..... | \$35.00              |

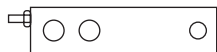
### INTERCHANGEABLE PRODUCTS

| Manufacturer  | Model                |
|---------------|----------------------|
| Toledo® ..... | 2155, 2855 Bases     |
| Toledo® ..... | 11785600A, 12744300B |
| Toledo® ..... | 11786900A, 11788500A |

Toledo is a registered trademark of Mettler-Toledo Inc.

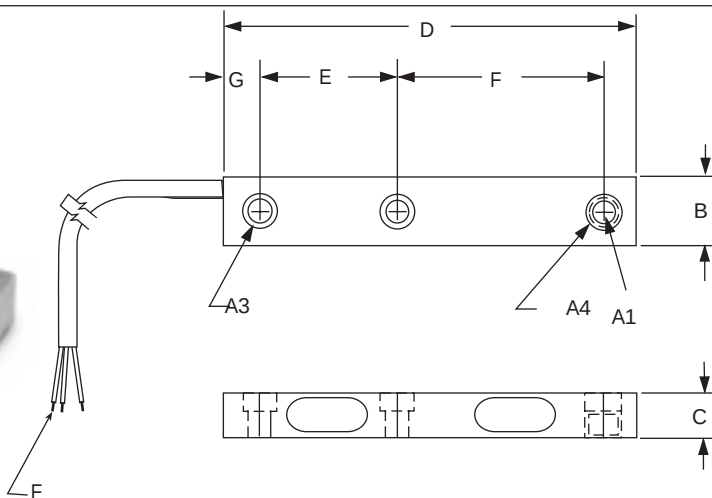
USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice

**RICE LAKE WEIGHING SYSTEMS**

Industrial Solutions on a Global Scale®

# RL50500 Single-Ended Beam, Stainless Steel, IP67



| RATED<br>CAPACITY     | DIMENSIONS       |     |          |          |      |      |       |      |      |      |
|-----------------------|------------------|-----|----------|----------|------|------|-------|------|------|------|
|                       | A1               | A2  | A3       | A4       | B    | C    | D     | E    | F    | G    |
| <b>lb/inches</b>      |                  |     |          |          |      |      |       |      |      |      |
| 500                   | 3/8-16 Thd. Thru | .20 | .26 DIA. | .39 DIA. | .73  | .49  | 4.50  | 1.50 | 2.25 | .40  |
| <b>kg/millimeters</b> |                  |     |          |          |      |      |       |      |      |      |
| 226.8                 | 3/8-16 Thd. Thru | 5.1 | 6.6 DIA. | 9.9 DIA. | 18.5 | 12.4 | 114.3 | 38.1 | 57.2 | 10.2 |

**SPECIFICATIONS:**

Full Scale Output: 3.0 mV/V  
Bridge Resistance: 350 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: 15V AC/DC  
Nonlinearity: 0.02% Full scale  
Hysteresis: 0.03% Full scale

Insulation Resistance: >2000 megohms  
Seal Type: Environmentally protected, IP67  
Cable Length: 15'/4.6m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green .... + Signal  
White ..... - Signal  
Orange ... Shield  
Warranty: 2 years

**RL50500 ORDER INFORMATION**

| Load<br>Rating    | Part # | Suggested<br>List Price |
|-------------------|--------|-------------------------|
| 500 lb (226.8 kg) | 33300  | \$530.00                |

**INTERCHANGEABLE PRODUCTS**

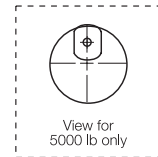
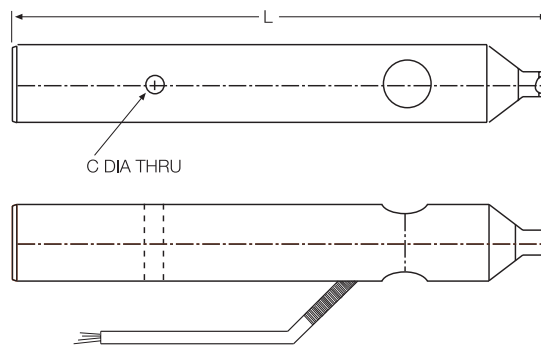
| Manufacturer | Model      |
|--------------|------------|
| Electroscale | 017116-001 |



## RL75000SS Single-Ended Beam, Stainless Steel, IP67



5000 lb model shown



### RATED CAPACITY

#### lb/inches

|               | C    | D    | F    | L     | T       |
|---------------|------|------|------|-------|---------|
| 1250          | .312 | 1.25 | .63  | 11.50 | #8-32   |
| 2500          | .375 | 1.62 | .70  | 11.50 | #6-32   |
| 5000          | .375 | 2.00 | .88  | 10.88 | #8-32   |
| 10,000        | .50  | 2.50 | .88  | 12.63 | #8-32   |
| 25,000-37,500 | .50  | 3.50 | 1.75 | 15.00 | 5/16-18 |

#### kg/millimeters

|                   | C    | D    | F    | L     | T       |
|-------------------|------|------|------|-------|---------|
| 567.0             | 7.9  | 31.7 | 16.0 | 292.1 | #8-32   |
| 1134.0            | 9.5  | 41.1 | 17.7 | 292.1 | #6-32   |
| 2268.0            | 9.5  | 50.8 | 22.3 | 276.3 | #8-32   |
| 4535.9            | 12.7 | 63.5 | 22.3 | 320.8 | #8-32   |
| 11,339.8-17,009.7 | 12.7 | 88.9 | 44.4 | 381.0 | 5/16-18 |

### SPECIFICATIONS:

|                    |                                                |
|--------------------|------------------------------------------------|
| Full Scale Output: | 2.0 mV/V (3.0 mV/V (37,500lb))                 |
| Bridge Resistance: | 350 ohms, nominal                              |
| Material/Finish:   | Stainless steel                                |
| Temperature:       | Compensated range<br>0°F to 150°F/18°C to 65°C |
| Safe Overload:     | 150% Full scale                                |
| Rated Excitation:  | 15V DC                                         |
| Nonlinearity:      | 0.02% Full scale                               |

|                   |                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------|
| Hysteresis:       | 0.03% Full scale                                                                                                     |
| Seal Type:        | Environmentally protected, IP67                                                                                      |
| Cable Length:     | 20'/6.1m                                                                                                             |
| Cable Color Code: | Green ... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Orange ... Shield |
| Warranty:         | 2 years                                                                                                              |

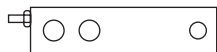
### RL75000 SS ORDER INFORMATION

| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| 1250 lb (567 kg) .....      | 42501 ..... | \$495.00             |
| 2500 lb (1134 kg) .....     | 42502 ..... | \$495.00             |
| 5000 lb (2268 kg) .....     | 42503 ..... | \$550.00             |
| 10,000 lb (4536 kg) .....   | 42504 ..... | \$595.00             |
| 25,000 lb (11,340 kg) ..... | 42505 ..... | \$885.00             |
| 37,500 lb (17,010 kg) ..... | 47950 ..... | \$885.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer        | Model     |
|---------------------|-----------|
| Weigh-Tronix® ..... | Weigh Bar |

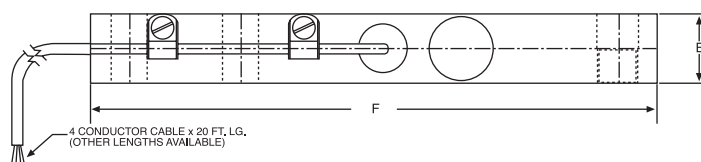
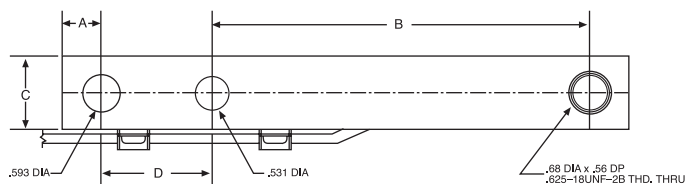
Weigh-Tronix is a registered trademark of Weigh-Tronix, Inc.



# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RLSBF Single-Ended Beam, Stainless Steel, IP67



### RATED CAPACITY

lb/inches  
1500-2500

A

B

C

D

E

F

.63

6.00

1.19

1.75

1.13

9.00

### kg/millimeters

680.4-1134.0

16.0

152.4

30.2

44.4

28.7

228.6

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
Bridge Resistance: 1000 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
-40°F to 180°F/-40°C-82°C  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC  
Nonlinearity: 0.03% Full scale  
Hysteresis: 0.05% Full scale

Insulation Resistance: >2000 megohms  
Seal Type: Environmentally protected, IP67  
Cable Length: 20'  
Cable Color Code: Green ... + Excitation  
Black ..... - Excitation  
White ... + Signal  
Red ..... - Signal  
Orange ... Shield  
Warranty: 2 years

### RLSBF ORDER INFORMATION

| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| 1500 lb (680.4 kg) .....  | 53284 ..... | \$535.00             |
| 2500 lb (1134.0 kg) ..... | 53283 ..... | \$535.00             |

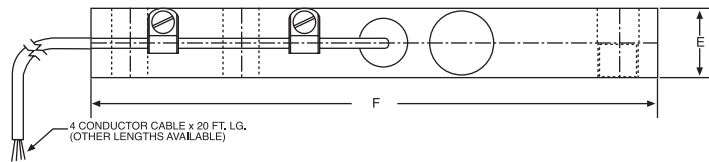
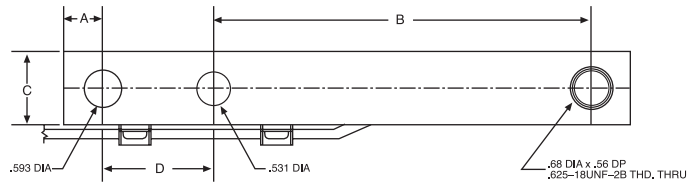
### INTERCHANGEABLE PRODUCTS

| Manufacturer    | Model                 |
|-----------------|-----------------------|
| Fairbanks ..... | 3-48424-X, 3-48363-1A |





## RLBLF Single-Ended Beam, Stainless Steel, IP67



| RATED CAPACITY        | DIMENSIONS |       |      |      |      |       |
|-----------------------|------------|-------|------|------|------|-------|
|                       | A          | B     | C    | D    | E    | F     |
| <b>lb/inches</b>      |            |       |      |      |      |       |
| 1500-2500             | .63        | 6.00  | 1.19 | 1.75 | 1.13 | 9.00  |
| <b>kg/millimeters</b> |            |       |      |      |      |       |
| 680.4-1134.0          | 16.0       | 152.4 | 30.2 | 44.4 | 28.7 | 228.6 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: Stainless steel  
 Temperature: Compensated range  
 -40°F to 180°F/-40°C to 82°C  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V DC (15V maximum)  
 Nonlinearity: 0.03% Full scale

Hysteresis: 0.05% Full scale  
 Insulation Resistance: 5000 megohms  
 Seal Type: Environmentally protected, IP67  
 Cable Length: 20'  
 Cable Color Code: Green ... + Excitation  
 Black .... - Excitation  
 White .... + Signal  
 Red ..... - Signal  
 Orange ... Shield  
 Warranty: 2 years

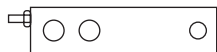
### RLBLF SS ORDER INFORMATION

| Load Rating              | Part #      | Suggested List Price |
|--------------------------|-------------|----------------------|
| 1500 lb (680.4 kg) ..... | 53285 ..... | \$535.00             |
| 2500 lb (1134 kg) .....  | 53286 ..... | \$535.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer     | Model                |
|------------------|----------------------|
| Fairbanks® ..... | 3-53581-X, 3-52921-1 |

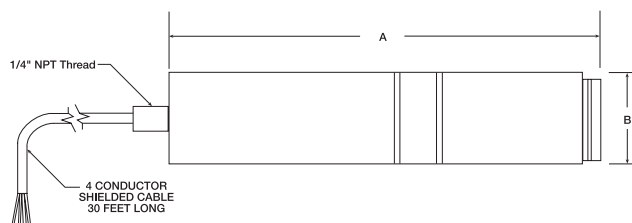
Fairbanks is a registered trademark of Fairbanks, Inc.

**RICE LAKE WEIGHING SYSTEMS**

Industrial Solutions on a Global Scale®

# RLBEAM Single-Ended Beam, Stainless Steel, IP68

## Hermetically Sealed

**RATED  
CAPACITY****lb/inches**

|           |                  |
|-----------|------------------|
| 2250-4500 | (10 kN - 20 kN*) |
| 11,250    | (50 kN*)         |
| 22,500    | (100 kN*)        |
| 45,000    | (200 kN*)        |

**A**

8.38  
11.6  
12.6  
13.8

**DIMENSIONS  
B**

1.96  
2.95  
3.54  
3.93

**kg/millimeters**

|               |                  |
|---------------|------------------|
| 1020.6-2041.2 | (10 kN - 20 kN*) |
| 5102.9        | (50 kN*)         |
| 10,205.8      | (100 kN*)        |
| 20,411.7      | (200 kN*)        |

212.9  
294.6  
320.0  
350.5

49.8  
74.9  
89.9  
99.8

**SPECIFICATIONS:**

|                    |                                                |
|--------------------|------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                       |
| Bridge Resistance: | 350 ohms, nominal                              |
| Material/Finish:   | Stainless steel                                |
| Temperature:       | Compensated range<br>0°F to 150°F/18°C to 65°C |
| Safe Overload:     | 300% Full scale                                |
| Rated Excitation:  | 15V DC                                         |
| Nonlinearity:      | 0.02% Full scale                               |
| Hysteresis:        | 0.02% Full scale                               |

|                   |                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------|
| Seal Type:        | Hermetically sealed, IP68                                                                       |
| Cable Length:     | 30'/9.1m                                                                                        |
| Cable Color Code: | Green ... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal |
| Warranty:         | 2 years                                                                                         |

**RLBEAM ORDER INFORMATION**

| Load Rating                           | Part #      | Suggested List Price |
|---------------------------------------|-------------|----------------------|
| 2,250 lb (10kN*) (1020.6 kg) .....    | 47845 ..... | \$1,210.00           |
| 4,500 lb (20kN*) (2041.2 kg) .....    | 47846 ..... | \$1,210.00           |
| 11,250 lb (50kN*) (5,102.9 kg) .....  | 47847 ..... | \$1,810.00           |
| 22,500 lb (100kN*) (10,205.8 kg) .... | 47848 ..... | \$1,865.00           |
| 45,000 lb (200kN*) (20,411.7 kg) .... | 47849 ..... | \$2,490.00           |

\*kN = Kilonewtons, 1 kN = 224.8089 lb

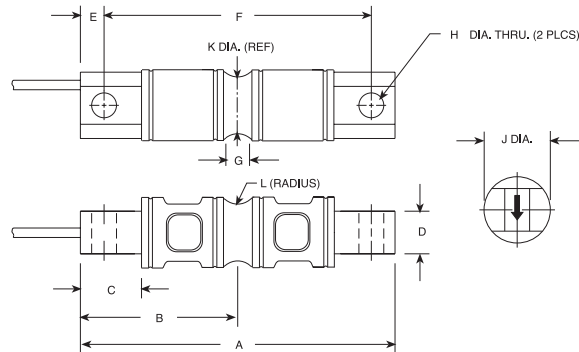
BLH and KIS Beam are registered trademarks of BLH Electronics.

**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**

Prices &amp; Specifications subject to change without notice



## RL70000 Double-Ended Beam, Alloy Steel NTEP 1:10,000 Class IIIL Multiple Cell, IP67



| RATED CAPACITY        | DIMENSIONS |       |      |       |      |       |      |      |       |       |      |
|-----------------------|------------|-------|------|-------|------|-------|------|------|-------|-------|------|
|                       | A          | B     | C    | D     | E    | F     | G    | H    | J     | K     | L    |
| <b>lb/inches</b>      |            |       |      |       |      |       |      |      |       |       |      |
| 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  | 1.00 |
| 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               | 16.10      | 8.05  | 3.05 | 4.60  | 1.55 | 13.00 | 1.30 | 1.56 | 5.38  | 5.17  | 2.00 |
| <b>kg/millimeters</b> |            |       |      |       |      |       |      |      |       |       |      |
| 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 |
| 68,038.8              | 285.8      | 142.8 | 47.8 | 63.5  | 22.4 | 241.3 | 31.8 | 26.9 | 99.1  | 92.5  | 38.1 |
| 90,718.5              | 409.0      | 204.5 | 77.5 | 116.8 | 39.4 | 330.2 | 33.0 | 39.6 | 136.7 | 131.3 | 50.8 |

### SPECIFICATIONS:

|                         |                                                  |                                                                                                                    |
|-------------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:      | 3.0 mV/V                                         | 20,000 lb = .042"/1.1mm, 30,000-50,000 lb = .02"/.5mm, 60,000lb = .025"/.6mm, 100,000 lb = .02"/.5mm               |
| Bridge Resistance:      | 700 ohms, nominal                                |                                                                                                                    |
| Material/Finish:        | High-alloy steel, nickel plated                  | Seal Type: Environmentally protected, IP67                                                                         |
| Temperature:            | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Length: 30'/9.1m                                                                                             |
| Safe Overload:          | 150% Full scale                                  | Cable Color Code: Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Rated Excitation:       | 10VDC (15V maximum)                              | Warranty: 2 years                                                                                                  |
| Non-Repeatability:      | 0.01% Full scale                                 |                                                                                                                    |
| Insulation Resistance:  | 5000 megohms                                     |                                                                                                                    |
| Deflection at Capacity: | 5000 lb = .02"/.5mm, 10,000 lb = .025"/.6mm,     |                                                                                                                    |

### RL70000 ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| <b>NTEP:</b>                   |             |                      |
| 5000 lb (2268.0 kg) .....      | 36263 ..... | \$655.00             |
| 10,000 lb (4535.9 kg) .....    | 36264 ..... | \$655.00             |
| 20,000 lb (9071.9 kg) .....    | 36265 ..... | \$655.00             |
| 30,000 lb (13,607.8 kg) .....  | 36266 ..... | \$755.00             |
| 40,000 lb (18,143.7 kg) .....  | 36267 ..... | \$755.00             |
| 50,000 lb (22,679.6 kg) .....  | 36268 ..... | \$845.00             |
| 60,000 lb (27,215.5 kg) .....  | 36269 ..... | \$845.00             |
| 100,000 lb (45,359.2 kg) ..... | 36270 ..... | \$1,475.00           |
| 150,000 lb (68,038.8 kg) ..... | 36976 ..... | \$1,475.00           |
| 200,000 lb (90,718.5 kg) ..... | 36977 ..... | \$2,450.00           |

**Non-NTEP:**  
250,000 lb (113,398.0 kg) ..... 36978 ..... \$2,775.00

**Conduit Adapter Kit\*** (must be factory installed to maintain warranty)  
3/8-24 Nipple ..... 31533\* ..... \$15.00  
3/8-24 to 1/4-18 NPT ..... 31534\* ..... \$15.00  
5/8-18 UNF/1/2-14 NPT ..... 31535\*\* ..... \$30.00

\* 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.

**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**

Prices & Specifications subject to change without notice

### INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model               |
|--------------------------|---------------------|
| Celtron .....            | (see page181) CSB   |
| Revere Transducers ..... | (see page 246) 5103 |
| Artech .....             | 70210               |

### WEIGH MODULE AVAILABLE

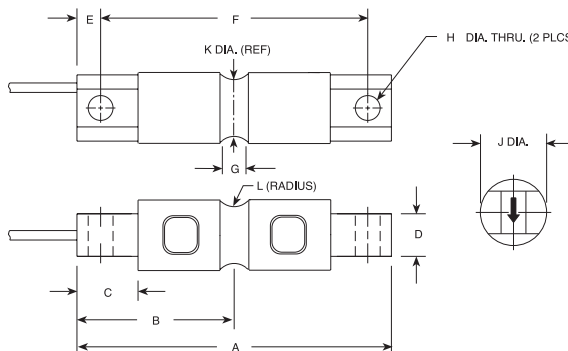
| Model            | Page # |
|------------------|--------|
| EZ Mount 1 ..... | 52     |



# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RL70000 SS Double-Ended Beam, Stainless Steel, IP67



| RATED<br>CAPACITY     | DIMENSIONS |       |      |      |      |       |      |      |      |      |      |
|-----------------------|------------|-------|------|------|------|-------|------|------|------|------|------|
|                       | A          | B     | C    | D    | E    | F     | G    | H    | J    | K    | L    |
| <b>lb/inches</b>      |            |       |      |      |      |       |      |      |      |      |      |
| 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 | 1.00 |
| 150,000               | 11.25      | 5.62  | 1.88 | 2.80 | .88  | 9.50  | 1.25 | 1.06 | 3.90 | 3.64 | 1.50 |
| <b>kg/millimeters</b> |            |       |      |      |      |       |      |      |      |      |      |
| 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 |

### SPECIFICATIONS:

|                        |                                              |                         |                                                                                                                                                           |
|------------------------|----------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                     | Deflection at Capacity: | 5000 lb = .02"/.5mm, 10,000 lb = .025"/.6mm, 20,000 lb = .042"/1.1mm, 30,000-50,000 lb = .02"/.5mm, 60,000lb = .025"/.6mm, 100,000-150,000 lb = .02"/.5mm |
| Bridge Resistance:     | 700 ohms, nominal                            | Seal Type:              | Environmentally protected, IP67                                                                                                                           |
| Material/Finish:       | Stainless steel                              | Cable Length:           | 30'/9.2m                                                                                                                                                  |
| Temperature:           | Compensated range 0°F to 150°F/-18°C to 65°C | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal<br>Orange ... Shield                                     |
| Safe Overload:         | 150% Full scale                              | Warranty:               | 2 years                                                                                                                                                   |
| Rated Excitation:      | 10V AC/DC (15V max)                          |                         |                                                                                                                                                           |
| Non-repeatability:     | 0.02% Full scale                             |                         |                                                                                                                                                           |
| Combined Error:        | 0.1% Full scale                              |                         |                                                                                                                                                           |
| Insulation Resistance: | 5000 megohms                                 |                         |                                                                                                                                                           |

### RL70000 SS ORDER INFORMATION

| Rated Capacity                                                               | Part #        | Suggested List Price |
|------------------------------------------------------------------------------|---------------|----------------------|
| 5000 lb (2268.0kg) .....                                                     | 30431 .....   | \$700.00             |
| 10,000 lb (4535.9 kg) .....                                                  | 30432 .....   | \$750.00             |
| 20,000 lb (9071.9 kg) .....                                                  | 30433 .....   | \$750.00             |
| 30,000 lb (13,607.8 kg) .....                                                | 30434 .....   | \$825.00             |
| 40,000 lb (18,143.7 kg) .....                                                | 30435 .....   | \$825.00             |
| 50,000 lb (22,679.6 kg) .....                                                | 30436 .....   | \$925.00             |
| 60,000 lb (27,215.5 kg) .....                                                | 30437 .....   | \$925.00             |
| 100,000 lb (45,359.2 kg) .....                                               | 30444 .....   | \$1,825.00           |
| 150,000 lb (68,038.9 kg) .....                                               | 30445 .....   | \$1,895.00           |
| <b>Conduit Adapter Kit*</b> (must be factory installed to maintain warranty) |               |                      |
| 3/8-24 Nipple .....                                                          | 31533* .....  | \$15.00              |
| 3/8-24 to 1/4-18 NPT .....                                                   | 31534* .....  | \$15.00              |
| 5/8-18 UNF/1/2-14 NPT .....                                                  | 31535** ..... | \$30.00              |

\* 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 150,000 lb, order part #31535.

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                    |
|----------------------------------|--------------------------|
| Rice Lake Weighing Systems ..... | (see page 133) RL71000HE |
| Revere Transducers .....         | (see page 247) 9103      |
| Artech .....                     | SS70210                  |

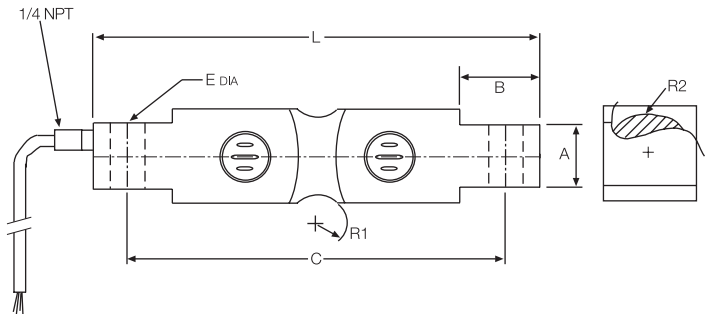
### WEIGH MODULE AVAILABLE

| Model            | Page # |
|------------------|--------|
| EZ Mount 1 ..... | 52     |

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171



## RL71000 HE Double-Ended Beam, Stainless Steel Hermetically Sealed, IP66/68



### SPECIFICATIONS:

|                        |                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                                                                                              |
| Bridge Resistance:     | 700 ohms, nominal with voltage applied                                                                                |
| Material/Finish:       | Stainless steel                                                                                                       |
| Temperature:           | Compensated range<br>0°F to 150°F/-18°C to 65°C                                                                       |
| Safe Overload:         | 300% Full scale                                                                                                       |
| Side Load:             | 100% Full scale                                                                                                       |
| Rated Excitation:      | 4-18 VDC                                                                                                              |
| Nonlinearity:          | 0.03% Full scale                                                                                                      |
| Hysteresis:            | 0.02% Full scale                                                                                                      |
| Insulation Resistance: | 5000 megohms                                                                                                          |
| Seal Type:             | Hermetically sealed, IP66/68                                                                                          |
| Cable Length:          | 25'/7.6m                                                                                                              |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal<br>Orange ... Shield |
| Warranty:              | 2 years                                                                                                               |

### RATED CAPACITY

### DIMENSIONS

|                       | A    | B    | C     | E    | R1   | R2   | L     |
|-----------------------|------|------|-------|------|------|------|-------|
| <b>lb/inches</b>      |      |      |       |      |      |      |       |
| 5000-20,000           | 1.14 | 1.44 | 6.88  | .68  | .50  | 1.48 | 8.12  |
| 30,000-60,000         | 2.38 | 1.88 | 8.50  | 1.06 | 1.00 | 2.73 | 10.25 |
| <b>kg/millimeters</b> |      |      |       |      |      |      |       |
| 2268-9072             | 28.9 | 36.5 | 174.7 | 17.2 | 12.7 | 37.5 | 206.2 |
| 13,608-27,216         | 60.4 | 47.7 | 215.9 | 26.9 | 25.4 | 69.3 | 260.3 |

### RL71000HE ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 5000 lb (2268.0 kg) .....     | 42131 ..... | \$725.00             |
| 10,000 lb (4535.9 kg) .....   | 42132 ..... | \$775.00             |
| 20,000 lb (9071.9 kg) .....   | 42133 ..... | \$775.00             |
| 30,000 lb (13,608.0 kg) ..... | 42134 ..... | \$850.00             |
| 40,000 lb (18,144.0 kg) ..... | 42135 ..... | \$850.00             |
| 50,000 lb (22,679.6 kg) ..... | 42136 ..... | \$950.00             |
| 60,000 lb (27,216.0 kg) ..... | 42137 ..... | \$950.00             |

### INTERCHANGEABLE PRODUCTS

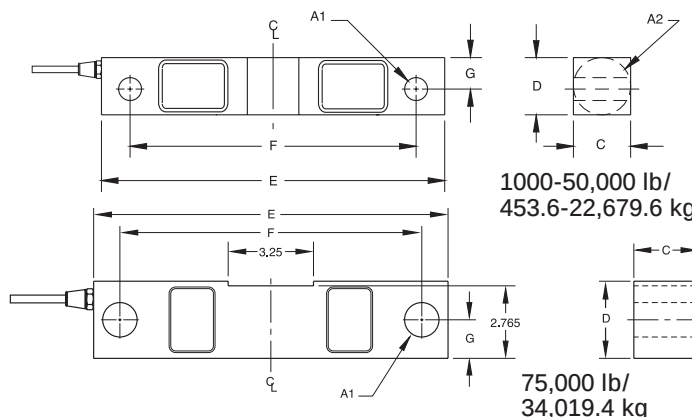
| Manufacturer                     | Model                     |
|----------------------------------|---------------------------|
| Rice Lake Weighing Systems ..... | (see page 133) RL70000 SS |
| Revere Transducers .....         | (see page 247) 9103       |

### WEIGH MODULE AVAILABLE

| Model            | Page # |
|------------------|--------|
| EZ Mount 1 ..... | 52     |



## RL75016 Double-Ended Beam, Alloy Steel, IP67



### SPECIFICATIONS:

|                         |                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:      | 3.0 mV/V                                                                                                                                                   |
| Bridge Resistance:      | 700 ohms, nominal                                                                                                                                          |
| Material/Finish:        | High-alloy steel, nickel plated                                                                                                                            |
| Temperature:            | Compensated range<br>0°F to 150°F/-18°C to 65°C                                                                                                            |
| Safe Overload:          | 150% Full scale                                                                                                                                            |
| Rated Excitation:       | 15V AC/DC (25V maximum)                                                                                                                                    |
| Nonlinearity:           | 0.03% Full scale                                                                                                                                           |
| Hysteresis:             | 0.02% Full scale                                                                                                                                           |
| Insulation Resistance:  | 2000 megohms                                                                                                                                               |
| Deflection at Capacity: | 1000-3000 lb = .01"/.3mm, 5000 lb = .015"/.4mm<br>10,000-20,000 lb = .022"/.6mm, 25,000 lb = .036"/.9mm<br>50,000 lb = .052"/1.3mm, 75,000 lb = .07"/1.8mm |
| Seal Type:              | Environmentally protected, IP67                                                                                                                            |
| Cable Length:           | 25'/7.6m                                                                                                                                                   |
| Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White ..... - Signal                                                          |
| Warranty:               | 2 years                                                                                                                                                    |

### RATED CAPACITY

|                       | A1   | A2   | C    | D    | E     | F     | G    |
|-----------------------|------|------|------|------|-------|-------|------|
| <b>lb/inches</b>      |      |      |      |      |       |       |      |
| 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 |
| <b>kg/millimeters</b> |      |      |      |      |       |       |      |
| 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 |

### RL75016 ORDER INFORMATION

| Load Rating                                                                  | Part #       | Suggested List Price |
|------------------------------------------------------------------------------|--------------|----------------------|
| 1000 lb (453.6 kg) .....                                                     | 17300 .....  | \$525.00             |
| 1500 lb (680.4 kg) .....                                                     | 17302 .....  | \$525.00             |
| 2000 lb (907.2 kg) .....                                                     | 17304 .....  | \$525.00             |
| 2500 lb (1134.0 kg) .....                                                    | 17306 .....  | \$525.00             |
| 3000 lb (1360.8 kg) .....                                                    | 17308 .....  | \$525.00             |
| 5000 lb (2268.0 kg) .....                                                    | 17309 .....  | \$525.00             |
| 10,000 lb (4535.9 kg) .....                                                  | 17311 .....  | \$600.00             |
| 15,000 lb (6803.9 kg) .....                                                  | 17313 .....  | \$600.00             |
| 20,000 lb (9071.9 kg) .....                                                  | 17315 .....  | \$600.00             |
| 25,000 lb (11,339.8 kg) .....                                                | 17317 .....  | \$600.00             |
| 50,000 lb (22,679.6 kg) .....                                                | 17319 .....  | \$925.00             |
| 75,000 lb (34,019.4 kg) .....                                                | 25357 .....  | \$925.00             |
| <b>Conduit Adapter Kit* (must be factory installed to maintain warranty)</b> |              |                      |
| 3/8-24 Nipple .....                                                          | 31533* ..... | \$15.00              |
| 3/8-24 to 1/4-18 NPT .....                                                   | 31534* ..... | \$15.00              |

\* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.

NOTE: 75,000 lb capacity has a square center.

### INTERCHANGEABLE PRODUCTS

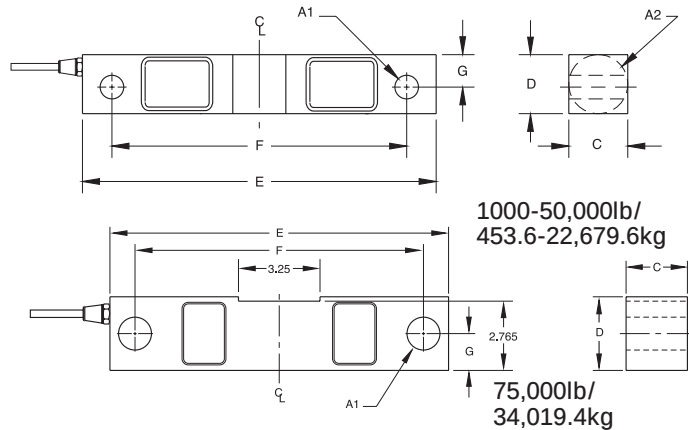
| Manufacturer             | Model                |
|--------------------------|----------------------|
| Celtron .....            | (see page 182) DSR   |
| Sensortronics .....      | (see page 283) 65016 |
| Artech .....             | 70510                |
| Revere Transducers ..... | 5203                 |

### WEIGH MODULE AVAILABLE

| Model               | Page # |
|---------------------|--------|
| RL1600 Series ..... | 58-64  |



## RL75016 SS Double-Ended Beam, Stainless Steel, IP67



### SPECIFICATIONS:

|                         |                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:      | 3.0 mV/V                                                                                                                                                   |
| Bridge Resistance:      | 700 ohms, nominal                                                                                                                                          |
| Material/Finish:        | Stainless steel                                                                                                                                            |
| Temperature:            | Compensated range<br>0°F to 150°F/-18°C to 65°C                                                                                                            |
| Safe Overload:          | 150% Full scale                                                                                                                                            |
| Rated Excitation:       | 15V AC/DC (25V maximum)                                                                                                                                    |
| Nonlinearity:           | 0.03% Full scale                                                                                                                                           |
| Hysteresis:             | 0.02% Full scale                                                                                                                                           |
| Insulation Resistance:  | 2000 megohms                                                                                                                                               |
| Deflection at Capacity: | 1000-3000 lb = .01"/.3mm, 5000 lb = .015"/.4mm<br>10,000-20,000 lb = .022"/.6mm, 25,000 lb = .036"/.9mm<br>50,000 lb = .052"/1.3mm, 75,000 lb = .07"/1.8mm |
| Seal Type:              | Environmentally protected, IP67                                                                                                                            |
| Cable Length:           | 25'/7.6m                                                                                                                                                   |
| Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal                                                           |
| Warranty:               | 2 years                                                                                                                                                    |

### RATED CAPACITY

|                       | A1   | A2   | C    | D    | E     | F     | G    |
|-----------------------|------|------|------|------|-------|-------|------|
| <b>lb/inches</b>      |      |      |      |      |       |       |      |
| 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 |
| <b>kg/millimeters</b> |      |      |      |      |       |       |      |
| 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 |

### RL75016 SS ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 1000 lb (453.6 kg) .....      | 17301 ..... | \$550.00             |
| 1500 lb (680.4 kg) .....      | 17303 ..... | \$550.00             |
| 2000 lb (907.2 kg) .....      | 17305 ..... | \$550.00             |
| 2500 lb (1134.0 kg) .....     | 17307 ..... | \$550.00             |
| 5000 lb (2268.0 kg) .....     | 17310 ..... | \$550.00             |
| 10,000 lb (4535.9 kg) .....   | 17312 ..... | \$625.00             |
| 15,000 lb (6803.9 kg) .....   | 17314 ..... | \$625.00             |
| 20,000 lb (9071.9 kg) .....   | 17316 ..... | \$625.00             |
| 25,000 lb (11,334.8 kg) ..... | 17318 ..... | \$625.00             |
| 50,000 lb (22,679.6 kg) ..... | 17320 ..... | \$1,225.00           |
| 75,000 lb (34,019.4 kg) ..... | 25356 ..... | \$1,225.00           |

**Conduit Adapter Kit\*** (must be factory installed to maintain warranty)  
 3/8-24 Nipple ..... 31533\* ..... \$15.00  
 3/8-24 to 1/4-18 NPT ..... 31534\* ..... \$15.00

\* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.

NOTE: 75,000 lb capacity has a square center.

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                     |
|----------------------------------|---------------------------|
| Rice Lake Weighing Systems ..... | (see page 136) RL75016 HE |
| Sensortronics .....              | (see page 284) 65016W     |
| Sensortronics .....              | (see page 285) 65016WH    |
| Revere Transducers .....         | 9203                      |

### WEIGH MODULE AVAILABLE

| Model               | Page # |
|---------------------|--------|
| RL1600 Series ..... | 58-64  |



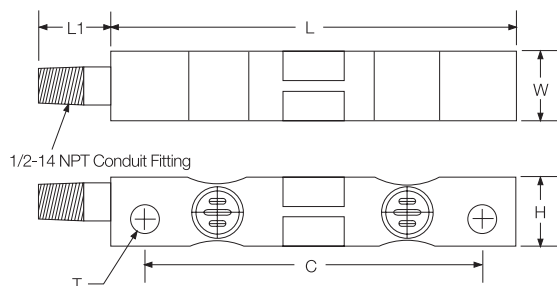
## RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

# RL75016 HE Double-Ended Beam, Stainless Steel

## Hermetically Sealed, IP66/68

**EXPANDED!**  
Capacity Range



### SPECIFICATIONS:

|                        |                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                                                                          |
| Bridge Resistance:     | 700 ohms nominal                                                                                  |
| Material/Finish:       | Stainless steel                                                                                   |
| Temperature:           | Compensated range<br>0°F to 150°F/-18°C to 65°C                                                   |
| Safe Overload:         | 180% Full scale                                                                                   |
| Rated Excitation:      | 5V min DC (15V maximum)                                                                           |
| Total Error:           | 0.03% Full scale                                                                                  |
| Insulation Resistance: | >2000 megohms                                                                                     |
| Seal Type:             | Hermetically sealed, IP66/68                                                                      |
| Cable Length:          | 25'/7.6m                                                                                          |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                           |

| RATED<br>CAPACITY     | DIMENSIONS |      |       |      |          |      |
|-----------------------|------------|------|-------|------|----------|------|
|                       | C          | H    | L     | L1   | T        | W    |
| <b>lb/inches</b>      |            |      |       |      |          |      |
| 1000-5000             | 6.25       | 1.25 | 7.50  | 2.00 | .50 DIA  | 1.25 |
| 10,000-25,000         | 7.50       | 2.00 | 8.75  | 2.00 | .75 DIA  | 1.50 |
| <b>kg/millimeters</b> |            |      |       |      |          |      |
| 453.6-2268.0          | 158.8      | 31.8 | 190.5 | 50.8 | 12.7 DIA | 31.8 |
| 4535.9-11,339.8       | 190.5      | 50.8 | 222.3 | 50.8 | 19.1 DIA | 38.1 |

### RL75016 HE ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 1000 lb (453.6 kg) .....      | 33607 ..... | \$595.00             |
| 1500 lb (680.4 kg) .....      | 65838 ..... | \$595.00             |
| 2000 lb (907.2 kg) .....      | 65839 ..... | \$595.00             |
| 2500 lb (1124.0 kg) .....     | 33608 ..... | \$595.00             |
| 5000 lb (2268.0 kg) .....     | 33609 ..... | \$595.00             |
| 10,000 lb (4535.9 kg) .....   | 33610 ..... | \$675.00             |
| 15,000 lb (6803.9 kg) .....   | 33611 ..... | \$675.00             |
| 20,000 lb (9071.8 kg) .....   | 65840 ..... | \$675.00             |
| 25,000 lb (11,339.8 kg) ..... | 33612 ..... | \$675.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                      |
|----------------------------------|----------------------------|
| Rice Lake Weighing Systems ..... | (see page 135) RL75016 SS* |
| Sensortronics .....              | (see page 284) 65016W      |
| Sensortronics .....              | (see page 285) 65016WH     |

### WEIGH MODULE AVAILABLE

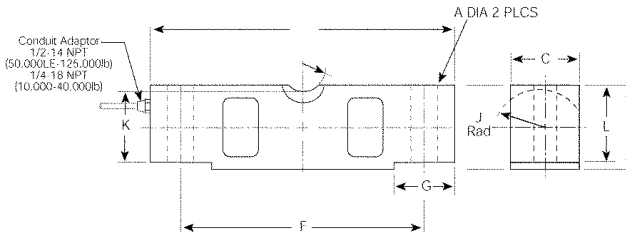
| Model               | Page # |
|---------------------|--------|
| RL1600 Series ..... | 58-64  |





## RL75058 Double-Ended Beam, Alloy Steel

### NTEP 1:10,000 Class IIIL Multiple Cell, IP67



| RATED CAPACITY        | A    | C    | D    | E     | F     | G    | H    | J    | K    | L    |
|-----------------------|------|------|------|-------|-------|------|------|------|------|------|
| <b>lb/inches</b>      |      |      |      |       |       |      |      |      |      |      |
| 20,000-25,000         | .68  | 1.69 | 1.94 | 7.75  | 6.50  | 1.38 | .75  | .90  | 1.63 | 1.70 |
| 40,000                | .81  | 1.94 | 2.44 | 10.25 | 8.50  | 1.93 | 1.00 | 1.12 | 2.00 | 2.10 |
| 50,000LE-75,000       | 1.06 | 2.44 | 2.94 | 10.25 | 8.50  | 1.93 | 1.00 | 1.37 | 2.54 | 2.65 |
| 100,000-125,000       | 1.62 | 2.90 | 3.86 | 15.25 | 12.75 | 3.13 | 1.50 | 1.80 | 3.30 | 3.43 |
| <b>kg/millimeters</b> |      |      |      |       |       |      |      |      |      |      |
| 9071.9-11,339.8       | 17.3 | 42.9 | 49.3 | 196.9 | 165.1 | 35.1 | 19.1 | 22.9 | 41.4 | 43.2 |
| 18,143.7              | 20.6 | 49.3 | 62.0 | 260.4 | 215.9 | 49.0 | 25.4 | 28.5 | 50.8 | 53.3 |
| 22,679.6LE-34,019.4   | 26.9 | 62.0 | 74.7 | 260.4 | 215.9 | 49.0 | 25.4 | 34.8 | 64.5 | 67.3 |
| 45,359.4-56,699.1     | 41.2 | 737  | 980  | 387.4 | 323.9 | 79.5 | 38.1 | 45.7 | 83.8 | 87.1 |

#### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
 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: 10V DC (25V maximum)  
 Nonlinearity: 0.03% Full scale  
 Hysteresis: 0.02% Full scale

Insulation Resistance: 5000 megohms  
 Seal Type: Environmentally protected, IP67  
 Cable Length: 35'/10.6m  
 Cable Coloring: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 2 years

#### RL75058 ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| <b>NTEP 1:10,000</b>           |             |                      |
| 20,000 lb (9071.9 kg) .....    | 34314 ..... | \$635.00             |
| 25,000 lb (11,339.8 kg) .....  | 34315 ..... | \$635.00             |
| 40,000 lb (18,143.7 kg) .....  | 34316 ..... | \$760.00             |
| 50,000 lb (22,679.6 kg) .....  | 34317 ..... | \$835.00             |
| 60,000 lb (27,215.5 kg) .....  | 34318 ..... | \$835.00             |
| 75,000 lb (34,019.4 kg) .....  | 34319 ..... | \$835.00             |
| 100,000 lb (45,359.4 kg) ..... | 34320 ..... | \$1,575.00           |
| 125,000 lb (56,699.1 kg) ..... | 34321 ..... | \$1,575.00           |
| <b>Non-NTEP</b>                |             |                      |
| 10,000 lb (4536.0 kg) .....    | 41890 ..... | \$615.00             |
| <b>60' Cables</b>              |             |                      |
| 50,000 lb (22,679.6 kg) .....  | 53417 ..... | \$975.00             |
| 75,000 lb (34,019.4 kg) .....  | 39516 ..... | \$975.00             |

#### INTERCHANGEABLE PRODUCTS

| Manufacturer          | Model                |
|-----------------------|----------------------|
| Sensortronics .....   | (see page 286) 65058 |
| Tedea-Huntleigh ..... | (see page 311) 4158  |
| Celtron .....         | (see page 183) CLB   |

#### WEIGH MODULE AVAILABLE

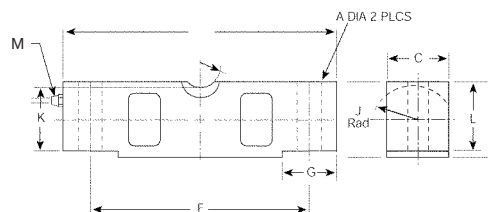
| Model         | Page # |
|---------------|--------|
| 2100 HE ..... | 20     |
| TSA .....     | 72     |



# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RL75060/ RL75060S Double-Ended Beam, Stainless Steel Welded Seal, IP67, NTEP 1:5000 Class III/1:10,000 Class IIIL Multiple Cell



| RATED CAPACITY        | DIMENSIONS |      |      |       |       |      |      |      |      |      |            |
|-----------------------|------------|------|------|-------|-------|------|------|------|------|------|------------|
|                       | A          | C    | D    | E     | F     | G    | H    | J    | K    | L    | M          |
| <b>lb/inches</b>      |            |      |      |       |       |      |      |      |      |      |            |
| 20,000-35,000         | .68        | 1.69 | 1.94 | 7.75  | 6.50  | 1.38 | .75  | .90  | 1.63 | 1.70 | 1/4-18 NPT |
| 40,000-75,000         | 1.06       | 2.44 | 2.94 | 10.25 | 8.50  | 1.93 | 1.00 | 1.37 | 2.54 | 2.65 | 1/2-14 NPT |
| 100,000               | 1.06       | 2.44 | 3.44 | 10.25 | 8.50  | 1.93 | 1.00 | 1.37 | 2.54 | 2.65 | 1/2-14 NPT |
| <b>kg/millimeters</b> |            |      |      |       |       |      |      |      |      |      |            |
| 9071.9                | 17.3       | 42.9 | 49.3 | 196.9 | 165.1 | 35.1 | 19.1 | 22.9 | 41.4 | 43.2 | 1/4-18 NPT |
| 15,875.7-34,019.4     | 26.9       | 62.0 | 74.7 | 260.4 | 215.9 | 49.0 | 25.4 | 34.8 | 64.5 | 67.3 | 1/2-14 NPT |
| 45,359.4              | 26.9       | 62.0 | 87.4 | 260.4 | 215.9 | 49.0 | 25.4 | 34.8 | 64.5 | 67.3 | 1/2-14 NPT |

### SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 2.0 mV/V 3.0mV/V (RL75060S)                      |
| Bridge Resistance: | 700 ohms, nominal                                |
| Material/Finish:   | Stainless steel                                  |
| Temperature:       | Compensated range<br>14°F to 104°F/-18°C to 65°C |
| Safe Overload:     | 150% Full scale                                  |
| Rated Excitation:  | 10V DC (25V maximum)                             |
| Nonlinearity:      | 0.03% Full scale                                 |

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Hysteresis:            | 0.02% Full scale                                                                                 |
| Insulation Resistance: | 1000 megohms                                                                                     |
| Seal Type:             | Hermetically sealed, IP67                                                                        |
| Cable Length:          | 35'/10.6m                                                                                        |
| Cable Coloring:        | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                          |

### RL75060 ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| <b>2mV/V</b>                   |             |                      |
| 20,000 lb (9071.9 kg) .....    | 30877 ..... | \$765.00             |
| 35,000 lb (15,875.7 kg) .....  | 30876 ..... | \$915.00             |
| 50,000 lb (22,679.6 kg) .....  | 30875 ..... | \$995.00             |
| 60,000 lb (27,215.5 kg) .....  | 30874 ..... | \$995.00             |
| 75,000 lb (34,019.4 kg) .....  | 30878 ..... | \$995.00             |
| 100,000 lb (45,359.4 kg) ..... | 32950 ..... | \$1,890.00           |

### RL75060S ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| <b>3mV/V</b>                   |             |                      |
| 20,000 lb (9071.9 kg) .....    | 53481 ..... | \$765.00             |
| 25,000 lb (11,339.8 kg) .....  | 50559 ..... | \$765.00             |
| 35,000 lb (15,875.7 kg) .....  | 50560 ..... | \$915.00             |
| 50,000 lb (22,679.6 kg) .....  | 50561 ..... | \$995.00             |
| 60,000 lb (27,215.5 kg) .....  | 50562 ..... | \$995.00             |
| 75,000 lb (34,019.4 kg) .....  | 50563 ..... | \$995.00             |
| 100,000 lb (45,359.4 kg) ..... | 50564 ..... | \$1,890.00           |

### INTERCHANGEABLE PRODUCTS

| Manufacturer        | Model                           |
|---------------------|---------------------------------|
| Sensortronics ..... | (see page 287) 65058S (3.0mV/V) |

### WEIGH MODULE AVAILABLE

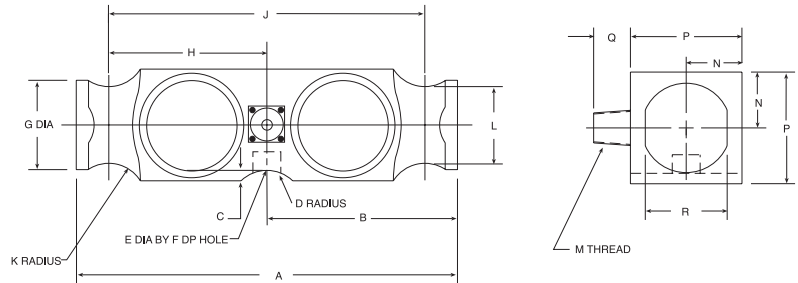
| Model        | Page # |
|--------------|--------|
| 2100HE ..... | 20     |
| TSA .....    | 72     |

Teflon is a registered trademark of E.I. DuPont.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171



## RL75223 Double-Ended Beam, Alloy Steel Welded Seal, IP67, NTEP 1:10,000 Class IIIL Multiple Cell



| RATED CAPACITY        | DIMENSIONS |       |     |      |      |      |      |       |       |      |      |            |      |      |      |      |
|-----------------------|------------|-------|-----|------|------|------|------|-------|-------|------|------|------------|------|------|------|------|
|                       | A          | B     | C   | D    | E    | F    | G    | H     | J     | K    | L    | M          | N    | P    | Q    | R    |
| <b>lb/inches</b>      |            |       |     |      |      |      |      |       |       |      |      |            |      |      |      |      |
| 50,000-65,000         | 10.25      | 5.12  | .28 | 1.00 | .75  | .78  | 2.40 | 4.25  | 8.50  | 1.00 | 2.06 | 1/2-14 NPT | 1.50 | 3.00 | 1.03 | 2.20 |
| 100,000               | 10.25      | 5.12  | .28 | 1.00 | —    | —    | 2.40 | 4.25  | 8.50  | 1.00 | 2.06 | 1/2-14 NPT | 1.50 | 3.00 | 1.03 | 2.20 |
| <b>kg/millimeters</b> |            |       |     |      |      |      |      |       |       |      |      |            |      |      |      |      |
| 22,679.6-29,483.5     | 260.4      | 130.1 | 7.1 | 25.4 | 19.1 | 19.8 | 61.0 | 108.0 | 215.9 | 25.4 | 5.2  | 1/2-14 NPT | 38.1 | 76.2 | 26.2 | 55.9 |
| 45,359.2              | 260.4      | 130.1 | 7.1 | 25.4 | —    | —    | 61.0 | 108.0 | 215.9 | 25.4 | 5.2  | 1/2-14 NPT | 38.1 | 76.2 | 26.2 | 55.9 |

### SPECIFICATIONS:

|                    |                                                                                                     |                         |                                                                                                  |
|--------------------|-----------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                                                                            | Combined Error:         | 0.03% Full scale                                                                                 |
| Bridge Resistance: | 700 ohms, nominal                                                                                   | Insulation Resistance:  | 5000 megohms                                                                                     |
| Material/Finish:   | High-alloy steel, nickel plated                                                                     | Deflection at Capacity: | 50,000 lb = .018"/.5mm, 65,000 lb = .022"/.6mm, 100,000 lb = .034"/.9mm                          |
| Temperature:       | Operating range<br>-65°F to 200°F/-54°C to 93°C<br>Compensated range<br>14°F to 104°F/-10°C to 40°C | Seal Type:              | Welded seal strain gauge*, IP67                                                                  |
| Safe Overload:     | 150% Full scale                                                                                     | Cable Length:           | 40'/12.2m                                                                                        |
| Rated Excitation:  | 10V AC/DC (20V maximum)                                                                             | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Non-repeatability: | 0.01% Full scale                                                                                    | Warranty:               | 2 years                                                                                          |

### RL75223 ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 50,000 lb (22,679.6 kg) .....  | 21611 ..... | \$850.00             |
| 65,000 lb (29,483.5 kg) .....  | 21612 ..... | \$850.00             |
| 100,000 lb (45,359.2 kg) ..... | 21613 ..... | \$1,200.00           |

### INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model               |
|--------------------------|---------------------|
| Revere Transducers ..... | (see page 248) 5223 |
| Artech .....             | 80210               |
| Thurman® .....           | TSC 800             |
| Celtron .....            | (page 184) HED      |

### WEIGH MODULE AVAILABLE

| Model           | Page # |
|-----------------|--------|
| Translink ..... | 80     |

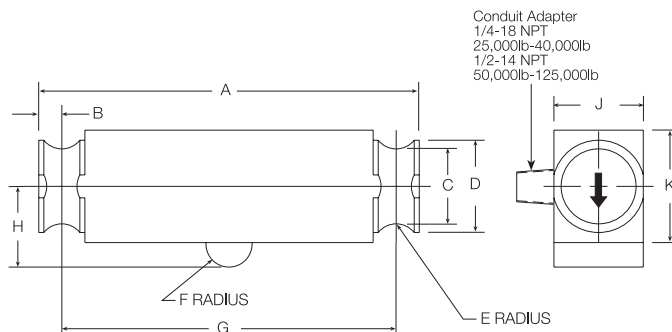
\* NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.



# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RL75040A Double-Ended Beam, Alloy Steel NTEP 1:10,000 Class IIIL Multiple Cell, IP67



| RATED CAPACITY        | DIMENSIONS |      |      |      |      |      |       |      |      |      |
|-----------------------|------------|------|------|------|------|------|-------|------|------|------|
|                       | A          | B    | C    | D    | E    | F    | G     | H    | J    | K    |
| <b>lb/inches</b>      |            |      |      |      |      |      |       |      |      |      |
| 25,000-40,000         | 8.25       | .50  | 1.63 | 2.00 | .50  | .50  | 7.25  | 1.75 | 1.94 | 2.44 |
| 50,000-75,000         | 11.50      | .75  | 1.70 | 2.20 | .75  | 1.00 | 10.00 | 2.00 | 1.94 | 2.94 |
| 100,000-125,000       | 14.50      | 1.00 | 2.44 | 3.20 | 1.00 | 1.50 | 12.50 | 2.75 | 2.90 | 3.86 |
| <b>kg/millimeters</b> |            |      |      |      |      |      |       |      |      |      |
| 11,339.8-18,143.7     | 209.6      | 12.7 | 41.4 | 50.8 | 12.7 | 12.7 | 184.2 | 44.5 | 49.3 | 62.0 |
| 22,679.6-34,019.4     | 292.1      | 19.1 | 43.2 | 55.9 | 19.1 | 25.4 | 254.0 | 50.8 | 49.3 | 74.7 |
| 45,359.2-56,699.1     | 368.3      | 25.4 | 62.0 | 81.3 | 25.4 | 38.1 | 317.5 | 69.9 | 73.7 | 98.0 |

### SPECIFICATIONS:

|                    |                                                  |                        |                                                                                                  |
|--------------------|--------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                         | Insulation Resistance: | 1000 megohms                                                                                     |
| Bridge Resistance: | 700 ohms, nominal                                | Seal Type:             | Environmentally protected, IP67                                                                  |
| Material/Finish:   | High-alloy steel, nickel plated                  | Cable Length:          | 35'/10.6m or 50'/15.2m—See order information, below                                              |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Coloring:        | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Safe Overload:     | 150% Full scale                                  | Warranty:              | 2 years                                                                                          |
| Rated Excitation:  | 10V DC (25V maximum)                             |                        |                                                                                                  |
| Nonlinearity:      | 0.03% Full scale                                 |                        |                                                                                                  |
| Hysteresis:        | 0.02% Full scale                                 |                        |                                                                                                  |

### RL75040A ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| <b>35 ft Cables:</b>           |             |                      |
| 25,000 lb (11,339.8 kg) .....  | 21614 ..... | \$635.00             |
| 40,000 lb (18,143.7 kg) .....  | 21615 ..... | \$760.00             |
| 50,000 lb (22,679.6 kg) .....  | 21616 ..... | \$835.00             |
| 60,000 lb (27,215.5 kg) .....  | 21617 ..... | \$835.00             |
| 75,000 lb (34,019.4 kg) .....  | 21618 ..... | \$835.00             |
| 100,000 lb (45,359.2 kg) ..... | 21619 ..... | \$1,575.00           |
| 125,000 lb (56,699.1 kg) ..... | 21620 ..... | \$1,575.00           |
| <b>40 ft Cables:</b>           |             |                      |
| 60,000SE* (27,215.5 kg) .....  | 53593 ..... | \$760.00             |
| <b>50 ft Cables:</b>           |             |                      |
| 50,000 lb (22,679.6 kg) .....  | 21621 ..... | \$865.00             |
| 60,000 lb (27,215.5 kg) .....  | 21622 ..... | \$865.00             |
| 75,000 lb (34,020 kg) .....    | 40951 ..... | \$865.00             |

\* Denotes smaller envelope

### INTERCHANGEABLE PRODUCTS

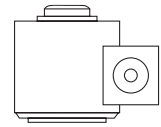
| Manufacturer        | Model                 |
|---------------------|-----------------------|
| Sensortronics ..... | (see page 289) 65040A |
| Artech .....        | 80310                 |
| Thurman® .....      | TSC 840               |
| Celtron .....       | (page 185) DLB        |

### WEIGH MODULE AVAILABLE

| Model           | Page # |
|-----------------|--------|
| Translink ..... | 78     |

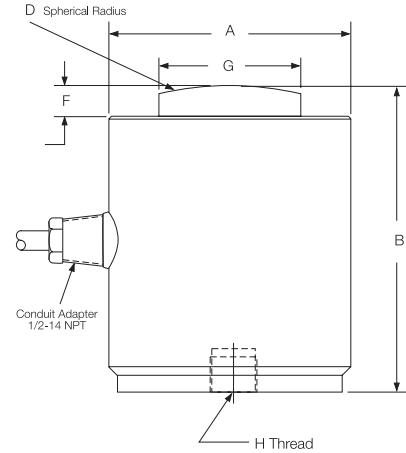
Thurman is a registered trademark of Thurman Scale Co.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171



## RLCSP1 Compression Canister, Stainless Steel

### Welded Seal, IP67, NTEP 1:10,000 Class IIIL Multiple Cell



| RATED CAPACITY        | A     | B     | D     | DIMENSIONS F | G    | H             | DEPTH |
|-----------------------|-------|-------|-------|--------------|------|---------------|-------|
| <b>lb/inches</b>      |       |       |       |              |      |               |       |
| 25,000-50,000         | 3.00  | 3.25  | 6.00  | .40          | 1.25 | 1/2-20 UNF-2B | .31   |
| 100,000               | 4.00  | 5.00  | 6.00  | .51          | 2.31 | 3/4-16 UNF-2B | .56   |
| 200,000               | 6.00  | 7.25  | 17.00 | 1.04         | 3.13 | 3/4-16 UNF-2B | .75   |
| <b>kg/millimeters</b> |       |       |       |              |      |               |       |
| 11,339.8-22,679.6     | 76.2  | 82.6  | 152.4 | 10.2         | 31.8 | 1/2-20 UNF-2B | 7.9   |
| 45,359.2              | 101.6 | 127.0 | 152.4 | 13.0         | 58.7 | 3/4-16 UNF-2B | 14.2  |
| 90,718.5              | 152.4 | 184.2 | 431.8 | 26.4         | 79.5 | 3/4-16 UNF-2B | 19.1  |

#### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 480 ohms, nominal  
 Material/Finish: Stainless steel  
 Temperature: Operating range 14°F to 104°F/-10°C to 40°C  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V AC/DC (25V maximum)  
 Combined Error: 0.03% Full scale  
 Non-repeatability: 0.01% Full scale  
 Insulation Resistance: 1000 megohms

Deflection at Capacity: 25,000-50,000 lb = .003"/.076mm  
 100,000-200,000 lb = .006"/.152mm  
 Seal Type: Welded seal, IP67  
 Cable Length: 35'/10.7m  
 Cable Color Code: Green .... + Excitation  
 Black .... - Excitation  
 White .... + Signal  
 Red .... - Signal  
 Orange ... Shield  
 Warranty: 2 years

#### RLCSP1 ORDER INFORMATION

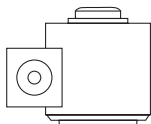
| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 25,000 lb (11,339.8 kg) .....  | 32702 ..... | \$1,505.00           |
| 50,000 lb (22,679.6 kg) .....  | 32701 ..... | \$1,505.00           |
| 100,000 lb (45,359.2 kg) ..... | 32700 ..... | \$1,685.00           |
| 200,000 lb (90,718.5 kg) ..... | 32699 ..... | \$2,205.00           |

#### INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model               |
|--------------------------|---------------------|
| Sensortronics .....      | 65088-1000          |
| Revere Transducers ..... | (see page 251) CSP1 |
| Revere Transducers ..... | 692B                |
| Howe Richardson® .....   | 244699-000X         |
| Streeter Amet .....      | 3760XXX             |

#### WEIGH MODULE AVAILABLE

| Model             | Page # |
|-------------------|--------|
| MagnaMount® ..... | 82     |

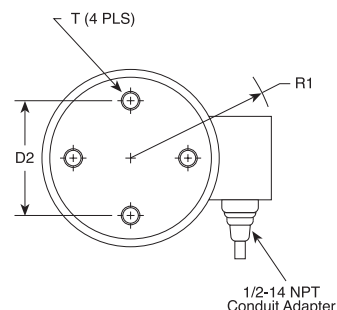
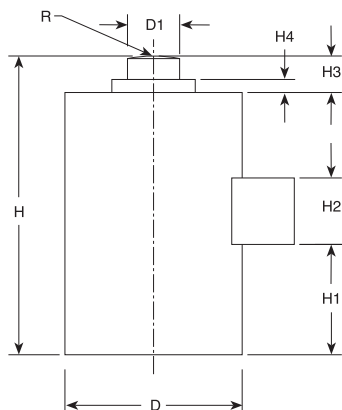


# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RL8C2P1SS Compression Canister, Stainless Steel

### Hermetically Sealed, IP68, NTEP 1:10,000 Class IIIL Multiple Cell



| RATED CAPACITY        | D     | D1   | D2    | DIMENSIONS |           |           | R     | T                      |
|-----------------------|-------|------|-------|------------|-----------|-----------|-------|------------------------|
| <b>lb/inches</b>      |       |      |       | <b>H</b>   | <b>H1</b> | <b>H2</b> |       |                        |
| 50,000                | 4.50  | 1.25 | 2.38  | 7.50       | 1.17      | .75       | 8.00  | 3/8-24 UNF-2B X .63 D  |
| 100,000               | 5.75  | 1.75 | 4.00  | 9.13       | 2.00      | .87       | 12.00 | 1/2-20 UNF-2B X .75 D  |
| 200,000               | 7.50  | 2.50 | 5.50  | 11.63      | 2.93      | .97       | 12.00 | 5/8-18 UNF-2B X 1.00 D |
| <b>kg/millimeters</b> |       |      |       |            |           |           |       |                        |
| 22,679.6              | 114.3 | 31.8 | 53.4  | 190.5      | 77.7      | 19.1      | 203.2 | 3/8-24 UNF-2B X .63 D  |
| 45,359.2              | 146.1 | 44.5 | 101.6 | 231.9      | 66.0      | 22.1      | 304.8 | 1/2-20 UNF-2B X .75 D  |
| 90,718.5              | 190.5 | 63.5 | 139.7 | 295.4      | 100.0     | 24.6      | 304.8 | 5/8-18 UNF-2B X 25.4 D |

#### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: Stainless steel  
 Temperature: Operating range  
 -65°F to 200°F/-54°C to 93°C  
 Compensated range  
 14°F to 104°F/-10°C to 40°C  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V AC/DC (25V maximum)  
 Non-repeatability: 0.01% Full scale  
 Combined Error: 0.03% Full scale

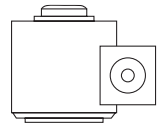
Insulation Resistance: >1000 megohms  
 Deflection at Capacity: 50,000 lb = .004"/102mm,  
 100,000 lb = .006"/.152mm,  
 200,000 lb = .009"/.228mm  
 Seal Type: Hermetically sealed, IP68  
 Cable Length: 35'/10.7m  
 Cable Color Code: Green .... + Excitation  
 Black .... - Excitation  
 White .... + Signal  
 Red .... - Signal  
 Orange ... Shield  
 Warranty: 2 years

#### RL8C2P1SS ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 50,000 lb (22,679.6 kg) .....  | 34855 ..... | \$1,400.00           |
| 100,000 lb (45,359.2 kg) ..... | 34856 ..... | \$1,400.00           |
| 200,000 lb (90,718.5 kg) ..... | 34857 ..... | \$1,900.00           |

BLH is a registered trademark of BLH Electronics.

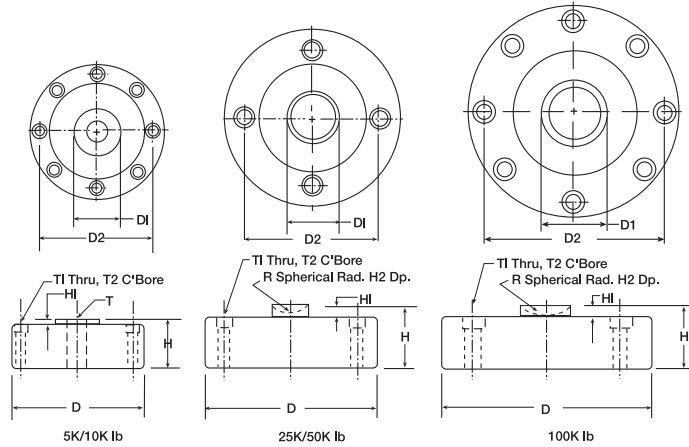
USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171



## RL90000 Compression\* Disk, Alloy Steel



25,000 lb model shown. Load cup sold separately on 5,000 and 10,000 lb models.



| RATED CAPACITY        | DIMENSIONS    |      |       |       |      |      |      |      |                |
|-----------------------|---------------|------|-------|-------|------|------|------|------|----------------|
|                       | T             | R    | D     | D2    | H    | H1   | H2   | T1   | T2             |
| <b>lb/inches</b>      |               |      |       |       |      |      |      |      |                |
| 5000*-10,000*         | 5/8-18 UNF-3B | —    | 4.12  | 3.50  | 1.37 | .12  | —    | .28  | .406 x .283 DP |
| 25,000-50,000         | —             | .875 | 4.75  | 4.00  | 2.12 | .50  | .30  | .34  | .508 x .38 DP  |
| 100,000               | —             | .875 | 5.50  | 4.60  | 2.25 | .25  | .30  | .41  | .626 x .4 DP   |
| <b>kg/millimeters</b> |               |      |       |       |      |      |      |      |                |
| 2268.0*-4539.9*       | 5/8-18 UNF-3B | —    | 104.6 | 34.8  | 34.8 | 3.05 | 7.6  | 7.2  | 10.3 x 7.2 DP  |
| 11,339.8-22,679.7     | —             | 22.2 | 120.7 | 101.6 | 53.8 | 12.7 | 12.7 | 8.7  | 12.9 x 9.7 DP  |
| 45,359.4              | —             | 22.2 | 139.7 | 116.8 | 57.2 | 6.4  | 7.6  | 10.3 | 10.3 x 10.2 DP |

### SPECIFICATIONS:

|                    |                                                  |                        |                                                                                                    |
|--------------------|--------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------|
| Full Scale Output: | 4.0 mV/V                                         | Hysteresis:            | 0.02% Full scale                                                                                   |
| Bridge Resistance: | 350 ohms (100,000lb=700 ohms), nominal           | Insulation Resistance: | 2000 megohms                                                                                       |
| Material/Finish:   | High-alloy steel, nickel plated                  | Seal Type:             | Environmentally protected                                                                          |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Length:          | 50'/15.2m                                                                                          |
| Safe Overload:     | 150% Full scale                                  | Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal |
| Rated Excitation:  | 15V DC (25V maximum)                             | Warranty:              | 2 years                                                                                            |
| Nonlinearity       | 0.05% Full scale                                 |                        |                                                                                                    |

### RL90000 ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 5000 lb* (2268.0 kg) .....     | 33061 ..... | \$650.00             |
| 10,000 lb* (4535.9 kg) .....   | 33062 ..... | \$650.00             |
| 25,000 lb (11,339.8 kg) .....  | 33063 ..... | \$795.00             |
| 50,000 lb (22,679.7 kg) .....  | 33064 ..... | \$795.00             |
| 100,000 lb (45,359.4 kg) ..... | 33065 ..... | \$935.00             |
| Load Cup* .....                | 33616 ..... | \$35.00              |

\* 5000 lb and 10,000 lb models can be used in compression and tension load applications. Load cup, Part #33616, is required for compression applications.

### INTERCHANGEABLE PRODUCTS

| Manufacturer     | Model |
|------------------|-------|
| Celtron .....    | LCD   |
| Interface® ..... | 1121  |

Interface is a registered trademark of Interface Inc.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

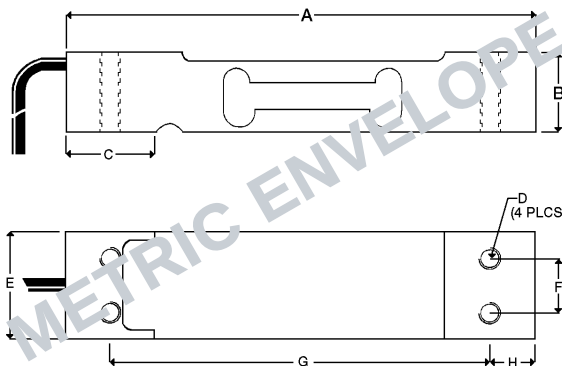
Prices & Specifications subject to change without notice





# RL1521A Single Point, Aluminum

## NTEP 1:5000 Class III Single Cell



| RATED<br>CAPACITY     | DIMENSIONS |      |      |          |      |      |       |      |
|-----------------------|------------|------|------|----------|------|------|-------|------|
|                       | A          | B    | C    | D        | E    | F    | G     | H    |
| <b>kg/millimeters</b> |            |      |      |          |      |      |       |      |
| 3-7                   | 130.0      | 22.0 | 25.0 | M6 x 1.0 | 25.4 | 15.0 | 106.0 | 12.0 |
| 10-30                 | 130.0      | 22.0 | 25.0 | M6 x 1.0 | 30.0 | 15.0 | 106.0 | 12.0 |
| 35                    | 130.0      | 22.0 | 25.0 | M6 x 1.0 | 40.0 | 15.0 | 106.0 | 12.0 |
| <b>lb/inches</b>      |            |      |      |          |      |      |       |      |
| 6.6-15.4              | 5.12       | .87  | .99  | M6 x 1.0 | 1.00 | .59  | 4.17  | .47  |
| 22.0-66.2             | 5.12       | .87  | .99  | M6 x 1.0 | 1.18 | .59  | 4.17  | .47  |
| 77.2                  | 5.12       | .87  | .99  | M6 x 1.0 | 1.57 | .59  | 4.17  | .47  |

**SPECIFICATIONS:**

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohm  
Material/Finish: Aluminum  
Temperature: Compensated range  
-10°C to 40°C/14°F to 104°F  
Safe Overload: 150% Full scale  
Rated Excitation: 10V AC/DC (15V maximum)  
Total Error: 0.03% Full scale

Insulation Resistance: 2000 megohms  
Seal Type: Environmentally protected  
Cable Length: 450mm/17.8"  
Cable Color Code: Green ..... + Excitation  
Black ..... - Excitation  
Blue ..... + Sense  
Brown ..... - Sense  
Red ..... + Signal  
White ..... - Signal

Warranty: 2 year

**RL1521A ORDER INFORMATION5**

| Load<br>Rating        | Part #      | Suggested<br>List Price |
|-----------------------|-------------|-------------------------|
| 3 kg (6.6 lb) .....   | 50620 ..... | \$140.00                |
| 5kg (11 lb) .....     | 50619 ..... | \$140.00                |
| 7kg (15.4 lb) .....   | 50621 ..... | \$140.00                |
| 10 kg (22.1 lb) ..... | 50622 ..... | \$140.00                |
| 15 kg (33.1 lb) ..... | 50623 ..... | \$140.00                |
| 20 kg (44.1 lb) ..... | 50624 ..... | \$140.00                |
| 30 kg (66.1 lb) ..... | 50625 ..... | \$140.00                |
| 35kg (110.2 lb) ..... | 50626 ..... | \$140.00                |

**INTERCHANGEABLE PRODUCTS**

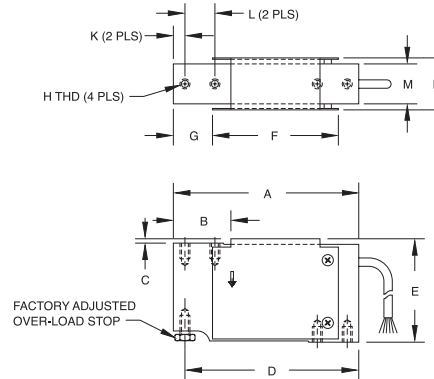
| Manufacturer          | Model                     |
|-----------------------|---------------------------|
| Celtron .....         | (see page 186) LPS        |
| BLH® .....            | C2G1                      |
| Fairbanks® .....      | 4900 Series Checkweighers |
| NMB® .....            | C2G1                      |
| Tedea-Huntleigh ..... | (see page 312) 1022       |

Fairbanks is a registered trademark of Fairbanks Scales  
NMB is a registered trademark of NMB Technologies Inc.  
BLH is a registered trademark of BLH Electronics.





## RL1010 Potted and Unpotted Single Point, Aluminum NTEP 1:5000 Class III Single Cell (Available)



| RATED<br>CAPACITY     | DIMENSIONS |      |     |       |      |      |      |                      |     |      |      |      |
|-----------------------|------------|------|-----|-------|------|------|------|----------------------|-----|------|------|------|
|                       | A          | B    | C   | D     | E    | F    | G    | H                    | K   | L    | M    | N    |
| <b>kg/millimeters</b> |            |      |     |       |      |      |      |                      |     |      |      |      |
| 3-90                  | 118.1      | 34.0 | 3.0 | 110.5 | 66.0 | 80.0 | 25.0 | 1/4-20 UNC X 13 DP   | 7.5 | 19.1 | 25.4 | 33.5 |
| <b>lb/inches</b>      |            |      |     |       |      |      |      |                      |     |      |      |      |
| 6.6-198.4             | 4.65       | 1.34 | .12 | 4.35  | 2.60 | 3.15 | .98  | 1/4-20 UNC X 0.50 DP | .30 | .75  | 1.00 | 1.32 |

### SPECIFICATIONS:

|                        |                                                  |                         |                                                                                                                                             |
|------------------------|--------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                         | Deflection at Capacity: | 3-90 kg ≤ .4mm/.015"                                                                                                                        |
| Bridge Resistance:     | 350 ohms, nominal                                | Seal Type:              | Potted & unpotted models available                                                                                                          |
| Material/Finish:       | Anodized aluminum                                | Cable Length:           | Potted 3.1m/10', unpotted 0.9m/3"                                                                                                           |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>Blue ..... + Sense<br>Brown .... - Sense<br>Red ..... + Signal<br>White .... - Signal |
| Safe Overload:         | 200% at center of loading point, full scale      | Warranty:               | 2 years                                                                                                                                     |
| Rated Excitation:      | 10V DC/AC (20V maximum)                          |                         |                                                                                                                                             |
| Total Error:           | .02% Full scale                                  |                         |                                                                                                                                             |
| Insulation Resistance: | 5000 megohms                                     |                         |                                                                                                                                             |

### RL1010 ORDER INFORMATION

| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| <b>Potted: Non-NTEP</b>     |             |                      |
| 7 kg (15.4 lb) .....        | 17529 ..... | \$195.00             |
| 10 kg (22.1 lb) .....       | 17530 ..... | \$195.00             |
| 15 kg (33.1 lb) .....       | 17531 ..... | \$195.00             |
| 20 kg (44.1 lb) .....       | 17532 ..... | \$195.00             |
| 30 kg (66.1 lb) .....       | 17533 ..... | \$195.00             |
| 50 kg (110.2 lb) .....      | 17534 ..... | \$195.00             |
| 90 kg (198.4 lb) .....      | 17535 ..... | \$195.00             |
| <b>Unpotted:</b>            |             |                      |
| 3 kg (6.6 lb) .....         | 17527 ..... | \$180.00             |
| 5 kg (11.0 lb) .....        | 17528 ..... | \$180.00             |
| <b>NTEP 1:5000, Potted:</b> |             |                      |
| 10 kg (22.1 lb) .....       | 50819 ..... | \$195.00             |
| 15 kg (33.1 lb) .....       | 50820 ..... | \$195.00             |
| 20 kg (44.1 lb) .....       | 50821 ..... | \$195.00             |
| 30 kg (66.1 lb) .....       | 50822 ..... | \$195.00             |
| 50 kg (110.2 lb) .....      | 50823 ..... | \$195.00             |

### INTERCHANGEABLE PRODUCTS

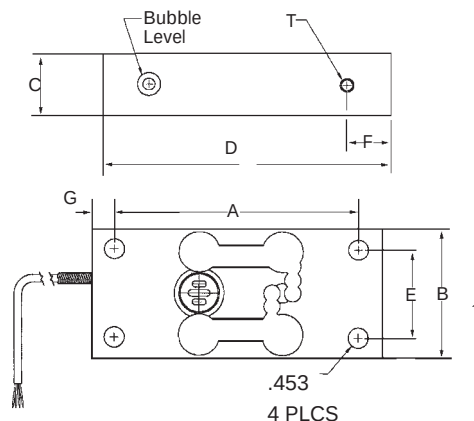
| Manufacturer          | Model               |
|-----------------------|---------------------|
| Tedea-Huntleigh ..... | (see page 313) 1010 |



# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RL800WT Single Point, Stainless Steel, IP67



| RATED<br>CAPACITY     | DIMENSIONS |      |       |       |      |      |                     |
|-----------------------|------------|------|-------|-------|------|------|---------------------|
|                       | A          | B    | C     | D     | E    | F    | T                   |
| <b>lb/inches</b>      |            |      |       |       |      |      |                     |
| 25-50                 | 5.50       | 2.90 | .735  | 6.50  | 2.00 | 1.00 | 5/16-18UNC x .50 DP |
| 100-200               | 5.50       | 2.90 | 1.460 | 6.50  | 2.00 | 1.00 | 5/16-18UNC x .50 DP |
| <b>kg/millimeters</b> |            |      |       |       |      |      |                     |
| 11.3-22.7             | 165.1      | 73.6 | 18.7  | 139.7 | 50.8 | 11.5 | _____               |
| 45.4-90.7             | 165.1      | 73.6 | 37.1  | 139.7 | 50.8 | 11.5 | _____               |

### SPECIFICATIONS:

Full Scale Output: 1.0 mV/V  
Bridge Resistance: 350 ohm  
Material/Finish: Stainless Steel  
Temperature: Compensated range  
-40°F to 180°F/-40°C-82°C  
Safe Overload: 200% Full scale  
Rated Excitation: 10V DC (15V maximum)  
Total Error: 0.02% Full scale

Hysteresis: 0.02% Full scale  
Insulation Resistance: 5000 megohms  
Seal Type: Environmentally protected, IP67  
Cable Length: 10'/3.1m  
Cable Color Code: Green ... + Excitation  
Black ..... - Excitation  
White .... + Signal  
Red ..... - Signal  
Orange ... Shield  
Warranty: 2 years

### RL800WT ORDER INFORMATION

| Load Rating      | Part # | Suggested List Price |
|------------------|--------|----------------------|
| 25 lb (11.3 kg)  | 53295  | \$695.00             |
| 50 lb (22.7 kg)  | 53296  | \$695.00             |
| 100 lb (45.4kg)  | 53297  | \$695.00             |
| 200 lb (90.7 kg) | 53298  | \$695.00             |

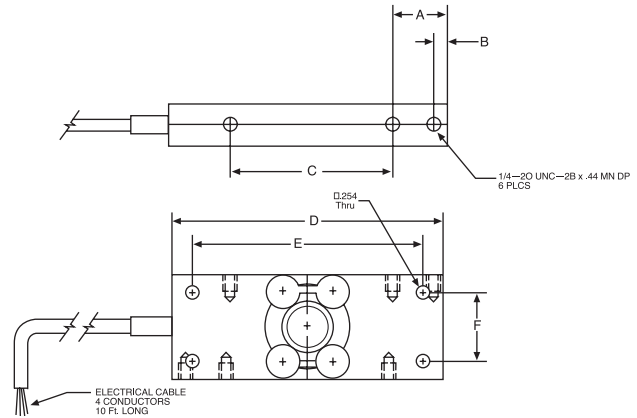
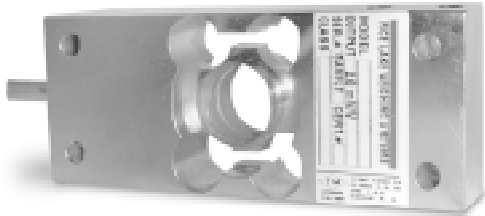
### INTERCHANGEABLE PRODUCTS

| Manufacturer | Model |
|--------------|-------|
| Weightronix  | FLS   |



## RLHPS Single Point, Stainless Steel

### Hermetically Sealed, IP68



| RATED CAPACITY        | DIMENSIONS |      |      |       |       |       |      |      |
|-----------------------|------------|------|------|-------|-------|-------|------|------|
|                       | A          | B    | C    | D     | E     | F     | G    | H    |
| <b>kg/millimeters</b> |            |      |      |       |       |       |      |      |
| 6.0-15                | 25.4       | 6.35 | 76.2 | 127.0 | 108.0 | 31.75 | 4.25 | 50.8 |
| <b>lb/inches</b>      |            |      |      |       |       |       |      |      |
| 13.2-33.1             | 5.00       | 4.25 | 3.00 | 1.25  | .73   | 1.00  | .25  | 1.98 |

#### SPECIFICATIONS:

|                    |                                                |
|--------------------|------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                       |
| Bridge Resistance: | 350 ohms, nominal                              |
| Material/Finish:   | Stainless Steel                                |
| Temperature:       | Compensated range<br>-40°F to 180°F/-40°C-82°C |
| Safe Overload:     | 150% Full scale                                |
| Rated Excitation:  | 10V DC/AC (15V maximum)                        |
| Linearity:         | .015% Full scale                               |
| Hysteresis:        | 0.15 % Full scale                              |

|                         |                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------|
| Insulation Resistance:  | 5000 megohms                                                                                     |
| Deflection at Capacity: | 3-90 kg ≤ .4mm/.015"                                                                             |
| Seal Type:              | Hermetically sealed, IP68                                                                        |
| Cable Length:           | 10'/3.1m                                                                                         |
| Cable Color Code:       | Green .... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal |
| Platform Size:          | 14 x 14                                                                                          |
| Warranty:               | 2 years                                                                                          |

#### RLHPS ORDER INFORMATION

| Load Rating     | Part # | Suggested List Price |
|-----------------|--------|----------------------|
| 6 kg (13.2 lb)  | 53282  | \$650.00             |
| 15 kg (33.1 lb) | 53281  | \$650.00             |

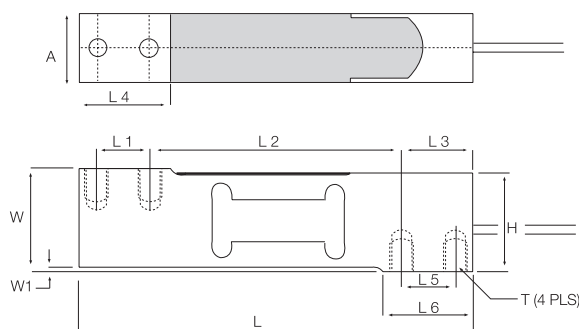
#### INTERCHANGEABLE PRODUCTS

| Manufacturer      | Model              |
|-------------------|--------------------|
| Revere-Transducer | (see page 263) HPS |



# RL1042 Single Point, Aluminum

## NTEP 1:5000 Class III Single Cell



| RATED<br>CAPACITY     | DIMENSIONS |       |       |      |       |      |       |      |       |       |      |               |
|-----------------------|------------|-------|-------|------|-------|------|-------|------|-------|-------|------|---------------|
|                       | A          | H     | L     | L1   | L2    | L3   | L4    | L5   | L6    | W     | W1   | T             |
| <b>kg/millimeters</b> |            |       |       |      |       |      |       |      |       |       |      |               |
| 1-30                  | 20.0       | 37.9  | 150.0 | 19.0 | 100.0 | 25.0 | 34.0  | 19.0 | 34.0  | 40.0  | 1.0  | 1/4-20 UNC-2B |
| 50-100                | 25.2       | 37.9  | 150.0 | 19.0 | 100.0 | 25.0 | 34.0  | 19.0 | 34.0  | 40.0  | 1.0  | 1/4-20 UNC-2B |
| <b>lb/inches</b>      |            |       |       |      |       |      |       |      |       |       |      |               |
| 2.2-66.1              | .787       | 1.496 | 5.91  | .75  | 3.937 | .984 | 1.339 | .75  | 1.339 | 1.575 | .040 | 1/4-20 UNC-2B |
| 110.2-220.5           | .992       | 1.496 | 5.91  | .75  | 3.937 | .984 | 1.339 | .75  | 1.339 | 1.575 | .040 | 1/4-20 UNC-2B |

### SPECIFICATIONS:

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                                     |
| Bridge Resistance: | 350 ohms, nominal                                            |
| Material/Finish:   | Aluminum                                                     |
| Temperature:       | Compensated temperature range<br>14°F to 104°F/-10°C to 40°C |
| Manufacturer       |                                                              |
| Model Number:      | 1042-XXXX-001                                                |
| Safe Overload:     | 150% Full scale                                              |
| Rated Excitation:  | 10V DC (15V maximum)                                         |
| Total Error:       | 0.02% Full scale                                             |

|                         |                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Deflection at Capacity: | 1-100 kg ≤ .4mm/.015"                                                                                                                       |
| Insulation Resistance:  | 5000 megohms                                                                                                                                |
| Seal Type:              | Environmentally protected                                                                                                                   |
| Cable Length:           | 3.1m/10'                                                                                                                                    |
| Cable Color Code:       | Green ... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown ... - Sense<br>Red ..... + Signal<br>White ..... - Signal |
| Warranty:               | 2 years                                                                                                                                     |

### RL1042 ORDER INFORMATION

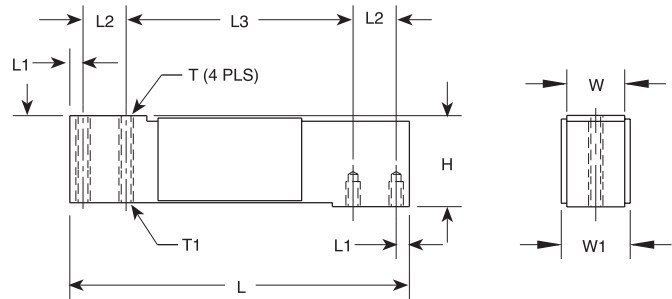
| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 1 kg (2.2 lb) .....     | 40955 ..... | \$180.00             |
| 3 kg (6.6 lb) .....     | 40956 ..... | \$180.00             |
| 5 kg (11.0 lb) .....    | 40957 ..... | \$180.00             |
| 10 kg (22.0 lb) .....   | 40958 ..... | \$180.00             |
| 15 kg (33.1 lb) .....   | 40959 ..... | \$180.00             |
| 20 kg (44.1 lb) .....   | 40960 ..... | \$180.00             |
| 30 kg (66.1 lb) .....   | 40961 ..... | \$180.00             |
| 50 kg (110.2 lb) .....  | 40962 ..... | \$180.00             |
| 75 kg (165.4 lb) .....  | 40963 ..... | \$180.00             |
| 100 kg (220.5 lb) ..... | 40964 ..... | \$180.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer          | Model               |
|-----------------------|---------------------|
| Tedea-Huntleigh ..... | (see page 315) 1042 |
| Revere .....          | (see page 260) 642  |
| HBM .....             | (see page 224) SP4  |



## RL1040 Potted and Unpotted Single Point, Aluminum NTEP 1:5000 Class III Single Cell, IP65



| RATED CAPACITY        | H    | L     | L1   | L2    | L3    | DIMENSIONS<br>T      | T1                   | W    | W1   |
|-----------------------|------|-------|------|-------|-------|----------------------|----------------------|------|------|
| <b>kg/millimeters</b> |      |       |      |       |       |                      |                      |      |      |
| 3-100                 | 40.0 | 150.0 | 5.95 | 19.05 | 100.0 | 1/4-20 UNC X 10 DP   | 1/4-28 UNF X 10 DP   | 25.4 | 29.4 |
| <b>lb/inches</b>      |      |       |      |       |       |                      |                      |      |      |
| 6.6-220.5             | 1.57 | 5.91  | .23  | .75   | 3.94  | 1/4-20 UNC X 0.39 DP | 1/4-28 UNF X 0.39 DP | 1.00 | 1.16 |

### SPECIFICATIONS:

|                        |                                                  |                         |                                                                                                                                             |
|------------------------|--------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                         | Deflection at Capacity: | 3-100 kg ≤ .4mm/.015"                                                                                                                       |
| Bridge Resistance:     | 350 ohms, nominal                                | Seal Type:              | Environmentally protected, potted & unpotted models, IP65                                                                                   |
| Material/Finish:       | Anodized aluminum                                | Cable Length:           | 3.1m/10'                                                                                                                                    |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:       | Green ... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown ... - Sense<br>Red ..... + Signal<br>White ..... - Signal |
| Safe Overload:         | 200% at center loading point, full scale         | Warranty:               | 2 years                                                                                                                                     |
| Rated Excitation:      | 10V DC/AC (15V maximum)                          |                         |                                                                                                                                             |
| Total Error:           | .02% Full scale                                  |                         |                                                                                                                                             |
| Insulation Resistance: | 5000 megohms                                     |                         |                                                                                                                                             |

### RL1040 ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| <b>NTEP 1:5000, Potted:</b>   |             |                      |
| 7 kg (15.4 lb) .....          | 32860 ..... | \$195.00             |
| 10 kg (22.1 lb) .....         | 32861 ..... | \$195.00             |
| 15 kg (33.1 lb) .....         | 32862 ..... | \$195.00             |
| 20 kg (44.1 lb) .....         | 32863 ..... | \$195.00             |
| 30 kg (66.1 lb) .....         | 32864 ..... | \$195.00             |
| 50 kg (110.2 lb) .....        | 32865 ..... | \$195.00             |
| 100 kg (220.5 lb) .....       | 32866 ..... | \$195.00             |
| <b>NTEP 1:5000, Unpotted:</b> |             |                      |
| 5 kg (11.0 lb) .....          | 32859 ..... | \$190.00             |

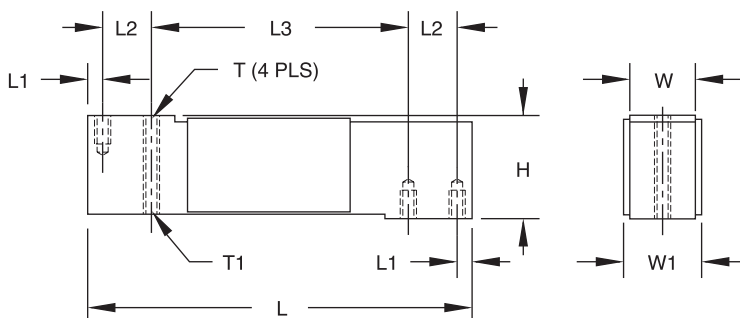
### INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model               |
|--------------------------|---------------------|
| Celtron .....            | (see page 187) LOC  |
| Revere Transducers ..... | (see page 260) 642  |
| Tedea-Huntleigh .....    | (see page 316) 1040 |
| HBM .....                | (see page 224) SP4  |

**RICE LAKE WEIGHING SYSTEMS**

Industrial Solutions on a Global Scale®

# RL1140 Potted Single Point, Stainless Steel, IP65



| RATED<br>CAPACITY     | DIMENSIONS |       |      |       |       |                      |                      |      |      |
|-----------------------|------------|-------|------|-------|-------|----------------------|----------------------|------|------|
|                       | H          | L     | L1   | L2    | L3    | T                    | T1                   | W    | W1   |
| <b>kg/millimeters</b> |            |       |      |       |       |                      |                      |      |      |
| 15-150                | 40.0       | 150.0 | 5.95 | 19.05 | 100.0 | 1/4-20 UNC X 10 DP   | 1/4-28 UNF X 10 DP   | 25.4 | 29.4 |
| <b>lb/inches</b>      |            |       |      |       |       |                      |                      |      |      |
| 33.1-330.7            | 1.57       | 5.91  | .23  | .75   | 3.94  | 1/4-20 UNC X 0.39 DP | 1/4-28 UNF X 0.39 DP | 1.00 | 1.16 |

## SPECIFICATIONS:

|                        |                                                  |                         |                                                                                                                                             |
|------------------------|--------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                         | Deflection at Capacity: | 15-150 kg ≤ .4mm/.015"                                                                                                                      |
| Bridge Resistance:     | 350 ohms, nominal                                | Seal Type:              | Environmentally protected, potted, IP65                                                                                                     |
| Material/Finish:       | Stainless steel                                  | Cable Length:           | 3.1m/10'                                                                                                                                    |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>Blue ..... + Sense<br>Brown .... - Sense<br>Red ..... + Signal<br>White .... - Signal |
| Safe Overload:         | 200% at center loading point, full scale         | Warranty:               | 2 years                                                                                                                                     |
| Rated Excitation:      | 10V DC/AC (15V maximum)                          |                         |                                                                                                                                             |
| Total Error:           | .02% Full scale                                  |                         |                                                                                                                                             |
| Insulation Resistance: | 5000 megohms                                     |                         |                                                                                                                                             |

## RL1140 ORDER INFORMATION

| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 15 kg (33.1 lb) .....   | 17544 ..... | \$320.00             |
| 30 kg (66.1 lb) .....   | 17545 ..... | \$320.00             |
| 50 kg (110.2 lb) .....  | 17546 ..... | \$320.00             |
| 75 kg (165.4 lb) .....  | 17547 ..... | \$320.00             |
| 100 kg (220.5 lb) ..... | 17548 ..... | \$320.00             |
| 150 kg (330.7 lb) ..... | 36467 ..... | \$320.00             |

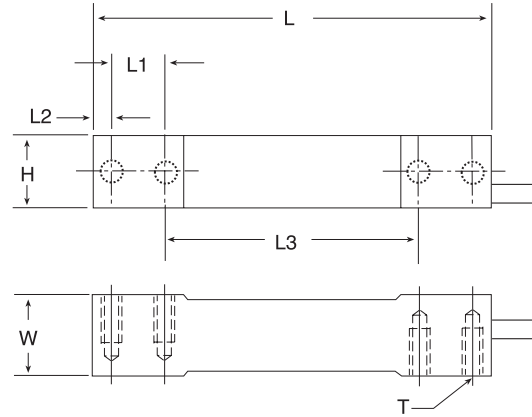
## INTERCHANGEABLE PRODUCTS

| Manufacturer          | Model               |
|-----------------------|---------------------|
| Tedea-Huntleigh ..... | (see page 317) 1140 |
| Flintec .....         | (see page 206) PC1  |



## RL1380 Single Point, Stainless Steel

### NTEP 1:3000 Class III Single Cell, IP65



| RATED CAPACITY        | H    | L     | L1   | DIMENSIONS L2 | L3   | T                | W    |
|-----------------------|------|-------|------|---------------|------|------------------|------|
| <b>kg/millimeters</b> |      |       |      |               |      |                  |      |
| 7-15                  | 19.1 | 139.7 | 19.1 | 6.4           | 88.9 | 1/4-20 X 19.1 DP | 30.2 |
| 30-60                 | 23.9 | 139.7 | 19.1 | 6.4           | 88.9 | 1/4-20 X 19.1 DP | 30.2 |
| <b>lb/inches</b>      |      |       |      |               |      |                  |      |
| 15.4-33.1             | .75  | 5.50  | .75  | .25           | 3.50 | 1/4-20 X .75 DP  | 1.19 |
| 66.1-132.3            | .94  | 5.50  | .75  | .25           | 3.50 | 1/4-20 X .75 DP  | 1.19 |

#### SPECIFICATIONS

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 350 ohms  
 Material/Finish: Stainless steel  
 Temperature: Compensated range  
 14°F to 104°F/-10°C to 40°C  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V AC/DC (15V maximum)  
 Combined Error: 0.03% Full scale

Insulation Resistance: 1000 megohms  
 Seal Type: Environmentally protected, IP65  
 Cable Length: 10'/3.1m  
 Cable Color Code: Green .... + Excitation  
 Black ..... - Excitation  
 White .... + Signal  
 Red ..... - Signal  
 Yellow .... Shield  
 Warranty: 2 years

#### RL1380 ORDER INFORMATION

| Load Rating            | Part #      | Suggested List Price |
|------------------------|-------------|----------------------|
| 7 kg (15.4 lb) .....   | 30783 ..... | \$295.00             |
| 10 kg (22.0 lb) .....  | 30782 ..... | \$295.00             |
| 15 kg (33.1 lb) .....  | 30781 ..... | \$295.00             |
| 30 kg (66.1 lb) .....  | 30780 ..... | \$295.00             |
| 60 kg (132.3 lb) ..... | 30779 ..... | \$295.00             |

#### INTERCHANGEABLE PRODUCTS

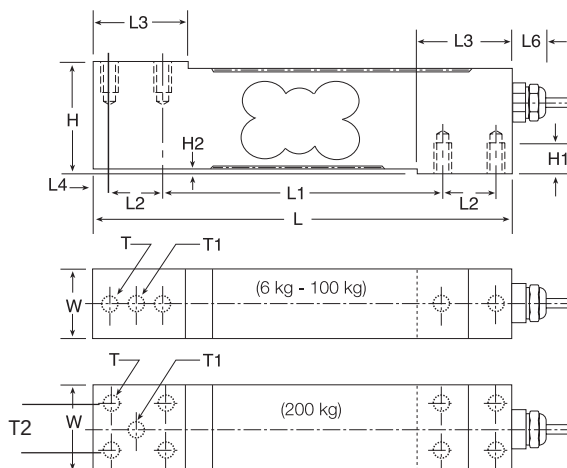
| Manufacturer | Model              |
|--------------|--------------------|
| HBM .....    | (see page 225) PWS |



# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RL1385 Single-Point, Stainless Steel NTEP 1:3000 Class III Single Cell, IP65



| RATED<br>CAPACITY | DIMENSIONS |      |     |       |       |      |      |     |      |      |      |                  |      |      |  |
|-------------------|------------|------|-----|-------|-------|------|------|-----|------|------|------|------------------|------|------|--|
|                   | H          | H1   | H2  | L     | L1    | L2   | L3   | L4  | L5   | L6   | W    | T                | T2   | T1   |  |
| kg/millimeters    |            |      |     |       |       |      |      |     |      |      |      |                  |      |      |  |
| 6-100             | 40.0       | 10.0 | 1.5 | 150.0 | 100.0 | 19.0 | 32.0 | 6.0 | 15.5 | 20.0 | 25.4 | 1/4-20 X 19.1 DP | N/A  | 47.8 |  |
| 200               | 40.0       | 10.0 | 1.5 | 150.0 | 100.0 | 19.0 | 32.0 | 6.0 | 15.5 | 20.0 | 38.1 | 1/4-20 X 19.1 DP | 25.4 | 47.8 |  |
| lb/inches         |            |      |     |       |       |      |      |     |      |      |      |                  |      |      |  |
| 13.2-220.5        | 1.57       | .40  | .06 | 5.90  | 3.93  | .75  | 1.26 | .24 | .61  | .79  | 1.00 | 1/4-20 X .75 DP  | N/A  | 1.19 |  |
| 441.0             | 1.57       | .40  | .06 | 5.90  | 3.93  | .75  | 1.26 | .24 | .61  | .79  | 1.50 | 1/4-20 X .75 DP  | 1.00 | 1.19 |  |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
14°F to 104°F/-10°C to 40°C  
Safe Overload: 200% Full scale  
Rated Excitation: 5V AC/DC (15V maximum)  
Combined Error: 0.02% Full scale

Insulation Resistance: 5000 megohms  
Seal Type: Environmentally protected, IP65  
Cable Length: 10'/3.1m  
Cable Color Code: Green ... + Excitation  
Black ..... - Excitation  
White .... + Signal  
Red ..... - Signal  
Yellow .... Shield  
Warranty: 2 years

### RL1385 ORDER INFORMATION

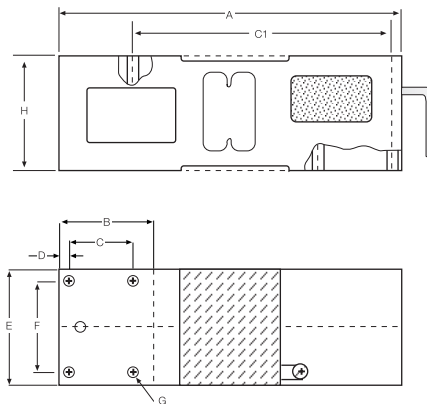
| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 6 kg (13.2 lb) .....    | 41232 ..... | \$295.00             |
| 10 kg (22.0 lb) .....   | 41405 ..... | \$295.00             |
| 15 kg (33.1 lb) .....   | 41233 ..... | \$295.00             |
| 30 kg (66.1 lb) .....   | 41234 ..... | \$295.00             |
| 50 kg (110.2 lb) .....  | 41235 ..... | \$295.00             |
| 75 kg (165.4 lb) .....  | 41236 ..... | \$295.00             |
| 100 kg (220.5 lb) ..... | 41237 ..... | \$295.00             |
| 200 kg (441.0 lb) ..... | 41406 ..... | \$440.00             |

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171





## RL1260 Single Point, Aluminum NTEP 1:5000 Class III Single Cell, IP65



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |     |      |      |                |      |
|-----------------------|------------|------|------|------|-----|------|------|----------------|------|
|                       | A          | B    | C    | C1   | D   | E    | F    | G              | H    |
| <b>kg/millimeters</b> |            |      |      |      |     |      |      |                |      |
| 50-635                | 188        | 52   | 35   | 14.2 | 5.5 | 63.3 | 50   | 5/16-18 UNC-2B | 62.3 |
| <b>lb/inches</b>      |            |      |      |      |     |      |      |                |      |
| 110.2-1400.2          | 7.40       | 2.05 | 1.38 | 5.59 | .22 | 2.49 | 1.97 | 5/16-18 UNC-2B | 2.45 |

### SPECIFICATIONS:

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                                     |
| Bridge Resistance:     | 350 ohms, nominal                                            |
| Material/Finish:       | Anodized aluminum                                            |
| Temperature:           | Compensated temperature range<br>14°F to 122°F/-10°C to 50°C |
| Safe Overload:         | 200% of full scale at center loading point                   |
| Rated Excitation:      | 10V DC (20V maximum)                                         |
| Total Error:           | 0.02% Full scale                                             |
| Insulation Resistance: | 5000 megohms                                                 |

|                   |                                                                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Seal Type:        | Environmentally protected, IP65                                                                                                             |
| Cable Length:     | 10'/3.1m                                                                                                                                    |
| Cable Color Code: | Green ... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown ... - Sense<br>Red ..... + Signal<br>White ..... - Signal |
| Warranty:         | 2 years                                                                                                                                     |

### RL1260 ORDER INFORMATION

| Load Rating              | Part #      | Suggested List Price |
|--------------------------|-------------|----------------------|
| 50 kg (110.2 lb) .....   | 41020 ..... | \$310.00             |
| 75 kg (165.4 lb) .....   | 41021 ..... | \$310.00             |
| 100 kg (220.5 lb) .....  | 41022 ..... | \$310.00             |
| 200 kg (440.9 lb) .....  | 41023 ..... | \$310.00             |
| 250 kg (551.2 lb) .....  | 41024 ..... | \$310.00             |
| 300 kg (661.4 lb) .....  | 41025 ..... | \$310.00             |
| 500 kg (1102.3 lb) ..... | 41026 ..... | \$310.00             |
| 635 kg (1400 lb) .....   | 41027 ..... | \$310.00             |

### INTERCHANGEABLE PRODUCTS

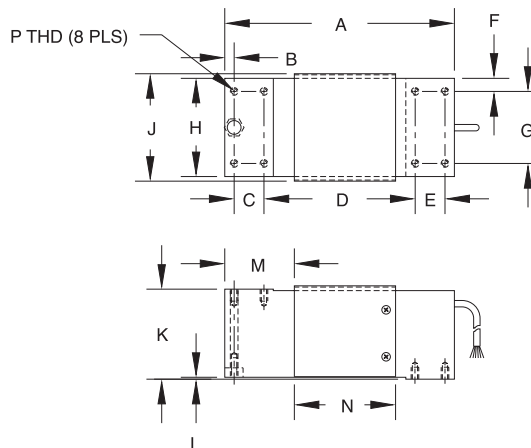
| Manufacturer          | Model               |
|-----------------------|---------------------|
| Tedea-Huntleigh ..... | (see page 321) 1260 |

**RICE LAKE WEIGHING SYSTEMS**

Industrial Solutions on a Global Scale®

# RL1250 Potted Single Point, Aluminum

## NTEP 1:5000 Class III Single Cell



| RATED<br>CAPACITY     | DIMENSIONS |     |      |       |      |     |      |      |      |      |     |      |      |                      |
|-----------------------|------------|-----|------|-------|------|-----|------|------|------|------|-----|------|------|----------------------|
|                       | A          | B   | C    | D     | E    | F   | G    | H    | J    | K    | L   | M    | N    | P                    |
| <b>kg/millimeters</b> |            |     |      |       |      |     |      |      |      |      |     |      |      |                      |
| 50-635                | 191.0      | 7.8 | 25.0 | 125.0 | 25.0 | 7.5 | 60.0 | 75.0 | 82.0 | 75.0 | 1.5 | 57.5 | 85.0 | 5/16-18UNC X 15 DP   |
| 1000                  | 191.0      | 7.8 | 25.0 | 125.0 | 25.0 | 7.5 | 60.0 | 75.0 | 82.0 | 75.0 | 1.5 | 57.5 | 85.0 | 3/8-16UNC X 15 DP    |
| <b>lb/inches</b>      |            |     |      |       |      |     |      |      |      |      |     |      |      |                      |
| 110.2-1400.2          | 7.52       | .31 | .98  | 4.92  | .98  | .30 | 2.36 | 2.95 | 3.23 | 2.95 | .06 | 2.26 | 3.35 | 5/16-18UNC X 0.59 DP |
| 2204.6                | 7.52       | .31 | .98  | 4.92  | .98  | .30 | 2.36 | 2.95 | 3.23 | 2.95 | .06 | 2.26 | 3.35 | 3/8-16UNC X 0.59 DP  |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: Anodized aluminum  
Temperature: Compensated range  
14°F to 104°F/-10°C to 40°C  
Safe Overload: 200% of full scale at center loading point  
Rated Excitation: 10V AC/DC (20V maximum)  
Total Error: .02% Full scale  
Insulation Resistance: 5000 megohms

Deflection at Capacity: 50-1000 kg ≤ .4mm/.015"  
Seal Type: Environmentally protected, potted  
Cable Length: 3.1m/10'  
Cable Color Code: Green ... + Excitation  
Black ..... - Excitation  
Blue ..... + Sense  
Brown ... - Sense  
Red ..... + Signal  
White ..... - Signal  
Warranty: 2 years

### RL1250 ORDER INFORMATION

| Load Rating              | Part #      | Suggested List Price |
|--------------------------|-------------|----------------------|
| <b>NTEP 1:5000:</b>      |             |                      |
| 50 kg (110.2 lb) .....   | 32849 ..... | \$315.00             |
| 75 kg (165.4 lb) .....   | 32856 ..... | \$315.00             |
| 100 kg (220.5 lb) .....  | 32855 ..... | \$315.00             |
| 150 kg (330.7 lb) .....  | 32854 ..... | \$315.00             |
| 200 kg (440.9 lb) .....  | 32853 ..... | \$315.00             |
| 250 kg (551.2 lb) .....  | 32852 ..... | \$315.00             |
| 300 kg (661.4 lb) .....  | 32851 ..... | \$315.00             |
| 500 kg (1102.3 lb) ..... | 32850 ..... | \$315.00             |
| 635 kg (1400 lb) .....   | 32857 ..... | \$315.00             |
| 1000 kg (2205 lb) .....  | 32858 ..... | \$315.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model               |
|--------------------------|---------------------|
| Revere Transducers ..... | (see page 261) 652  |
| Tedea-Huntleigh .....    | (see page 322) 1250 |
| Celtron .....            | (see page 188) LOC  |
| Flintec .....            | (see page 205) PCB* |

\* Stainless steel, hermetically sealed

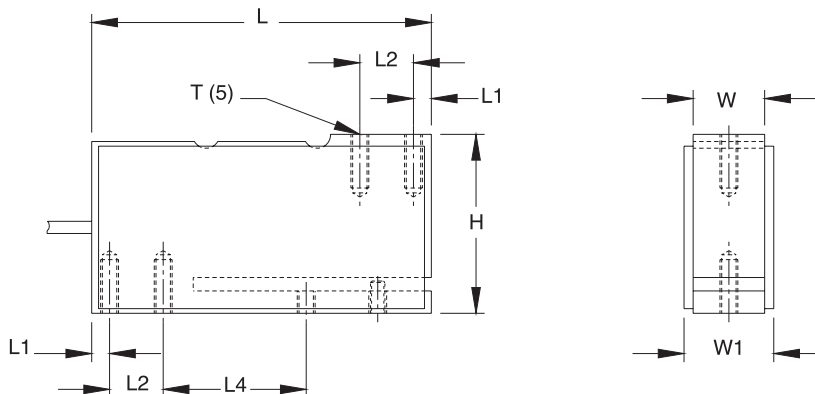




# RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

## RLMK4 Single Point, Alloy Steel/Stainless Steel



| RATED CAPACITY        | H    | L     | L1  | L2   | L4   | T                | W    | W1   |
|-----------------------|------|-------|-----|------|------|------------------|------|------|
| <b>lb/inches</b>      |      |       |     |      |      |                  |      |      |
| 10-100                | 2.50 | 4.75  | .25 | .75  | 2.00 | 1/4-20 X 0.50 DP | 1.00 | 1.26 |
| <b>kg/millimeters</b> |      |       |     |      |      |                  |      |      |
| 4.5-45.3              | 63.5 | 120.7 | 6.4 | 19.1 | 0.08 | 1/4-20 X 12.7 DP | 25.4 | 31.9 |

### SPECIFICATIONS:

|                    |                                                 |                        |                                                                                                                           |
|--------------------|-------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                        | Insulation Resistance: | 1000 megohms                                                                                                              |
| Bridge Resistance: | 350 ohms, nominal                               | Cable Length:          | 10'/3.1m                                                                                                                  |
| Material/Finish:   | Alloy steel or Stainless steel                  | Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>White ..... + Signal*<br>Green ..... - Signal*<br>Orange ... Shield |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C | Warranty:              | 2 years                                                                                                                   |
| Safe Overload:     | 500% Full scale                                 |                        | *Cell is wired for negative reading                                                                                       |
| Rated Excitation:  | 0-15 VDC                                        |                        |                                                                                                                           |
| Total Error:       | .03% Full scale                                 |                        |                                                                                                                           |
| Seal Type:         | Environmentally protected                       |                        |                                                                                                                           |

### RLMK4 ORDER INFORMATION

| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| <b>Alloy steel:</b>     |             |                      |
| 10 lb (4.5 kg) .....    | 17576 ..... | \$395.00             |
| 15 lb (6.8 kg) .....    | 17577 ..... | \$395.00             |
| 25 lb (11.3 kg) .....   | 17578 ..... | \$395.00             |
| 30 lb (13.6 kg) .....   | 17579 ..... | \$395.00             |
| 50 lb (22.7 kg) .....   | 17580 ..... | \$395.00             |
| 100 lb (45.3 kg) .....  | 17581 ..... | \$395.00             |
| <b>Stainless steel:</b> |             |                      |
| 10 lb (4.5 kg) .....    | 25375 ..... | \$445.00             |
| 15 lb (6.8 kg) .....    | 25376 ..... | \$445.00             |
| 25 lb (11.3 kg) .....   | 25377 ..... | \$445.00             |
| 30 lb (13.6 kg) .....   | 25378 ..... | \$445.00             |
| 50 lb (22.7 kg) .....   | 25379 ..... | \$445.00             |
| 100 lb (45.3 kg) .....  | 25380 ..... | \$445.00             |

### INTERCHANGEABLE PRODUCTS

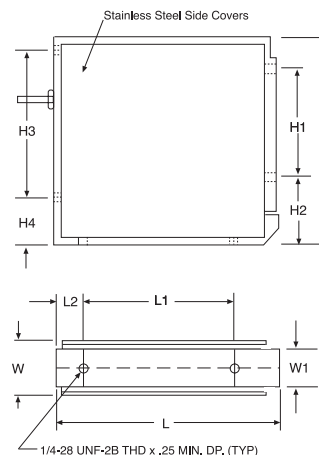
| Manufacturer            | Model   |
|-------------------------|---------|
| NCI/Weigh-Tronix® ..... | Mark IV |

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USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171



## RLMK1 Single Point, Alloy Steel



### RATED CAPACITY

**lb/inches**  
50-3000

**kg/millimeters**  
22.7-1360.8

### DIMENSIONS

|                | H     | H1   | H2   | H3   | H4   | L     | L1    | L2   | W    | W1   |
|----------------|-------|------|------|------|------|-------|-------|------|------|------|
| lb/inches      | 5.3   | 2.75 | 1.72 | 3.74 | 1.22 | 5.9   | 4.00  | .70  | 1.29 | .89  |
| kg/millimeters | 134.6 | 69.9 | 43.7 | 95.0 | 31.0 | 149.9 | 101.6 | 17.8 | 32.8 | 22.6 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/ V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: High-alloy steel, nickel plated  
 Temperature: Compensated range  
 0°F to 150°F/-18°C to 65°C  
 Safe Overload: 200% Full scale  
 Rated Excitation: 10V AC/DC (15V maximum)  
 Nonlinearity: 0.02% Full scale  
 Hysteresis: 0.02% Full scale  
 Insulation Resistance: 1000 megohms

Seal Type: Environmentally protected  
 Cable Length: 25'/7.6m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 White ..... + Signal  
 Green ..... - Signal  
 Yellow .. + Sense  
 Blue ..... - Sense  
 Orange ... Shield  
 Warranty: 2 years

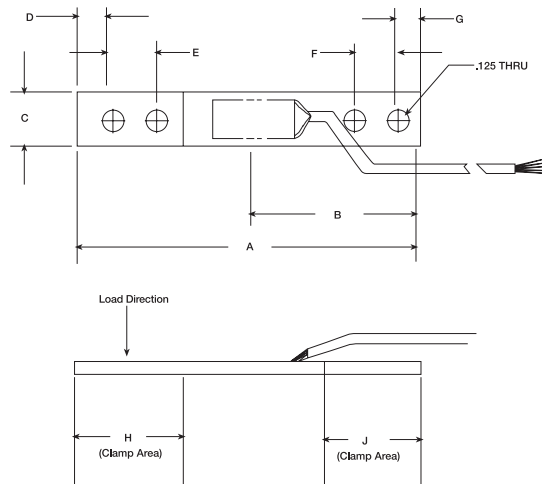
### RLMK1 ORDER INFORMATION

| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| 50 lb (22.7 kg) .....     | 26226 ..... | \$860.00             |
| 100 lb (45.3 kg) .....    | 26227 ..... | \$860.00             |
| 200 lb (90.7 kg) .....    | 26228 ..... | \$860.00             |
| 500 lb (226.8 kg) .....   | 26229 ..... | \$860.00             |
| 1000 lb (453.6 kg) .....  | 26230 ..... | \$860.00             |
| 2000 lb (907.2 kg) .....  | 26231 ..... | \$860.00             |
| 3000 lb (1360.8 kg) ..... | 26232 ..... | \$860.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer            | Model  |
|-------------------------|--------|
| NCI/Weigh-Tronix® ..... | Mark I |

## RLS1101 Planar Beam Sensor, Stainless Steel



| RATED<br>CAPACITY     | DIMENSIONS |      |      |     |     |     |     |      |      |
|-----------------------|------------|------|------|-----|-----|-----|-----|------|------|
|                       | A          | B    | C    | D   | E   | F   | G   | H    | J    |
| <b>lb/inches</b>      |            |      |      |     |     |     |     |      |      |
| 1-40                  | 2.35       | 1.13 | .375 | .20 | .35 | .30 | .15 | .75  | .65  |
| <b>kg/millimeters</b> |            |      |      |     |     |     |     |      |      |
| 0.5-18.1              | 59.6       | 28.7 | 9.5  | 5.0 | 8.8 | 7.6 | 3.8 | 19.0 | 16.5 |

### SPECIFICATIONS:

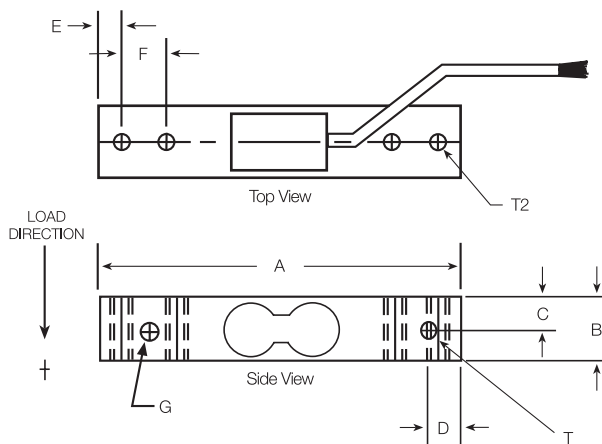
|                    |                                                |                   |                                                                                                  |
|--------------------|------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 1.5 mV/V nominal                               | Hysteresis:       | 0.03% Full scale                                                                                 |
| Bridge Resistance: | 1000 ohms, nominal                             | Seal Type:        | Environmentally protected                                                                        |
| Material/Finish:   | Stainless steel                                | Cable Length:     | 18"/.45m                                                                                         |
| Temperature:       | Compensated range<br>0°F to 150°F/18°C to 65°C | Cable Color Code: | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Safe Overload:     | 150% Full scale                                | Warranty:         | 1 year                                                                                           |
| Rated Excitation:  | 10V DC                                         |                   |                                                                                                  |
| Nonlinearity:      | 0.02% Full scale                               |                   |                                                                                                  |

### RLS1101 ORDER INFORMATION

| Load<br>Rating        | Part #      | Suggested<br>List Price |
|-----------------------|-------------|-------------------------|
| 1 lb (0.5 kg) .....   | 47944 ..... | \$70.00                 |
| 2 lb (0.9 kg) .....   | 42290 ..... | \$70.00                 |
| 5 lb (2.3 kg) .....   | 42291 ..... | \$70.00                 |
| 10 lb (4.5 kg) .....  | 42292 ..... | \$70.00                 |
| 20 lb (9.0 kg) .....  | 42293 ..... | \$70.00                 |
| 40 lb (18.1 kg) ..... | 42294 ..... | \$70.00                 |



## RLS3020 Mini Beam Sensor, Aluminum



| RATED<br>CAPACITY     | DIMENSIONS |      |      |     |     |      |     |               |                |
|-----------------------|------------|------|------|-----|-----|------|-----|---------------|----------------|
|                       | A          | B    | C    | D   | E   | F    | G   | T             | T2             |
| <b>lb/inches</b>      |            |      |      |     |     |      |     |               |                |
| 1-50                  | 3.14       | .550 | .275 | .30 | .20 | .40  | .19 | 10-32UNF THRU | 8-32UNF-2 THRU |
| <b>kg/millimeters</b> |            |      |      |     |     |      |     |               |                |
| 0.5-22.7              | 79.7       | 13.9 | 6.9  | 7.6 | 5.0 | 10.1 | 4.8 | 10-32UNF THRU | 8-32UNF-2 THRU |

### SPECIFICATIONS:

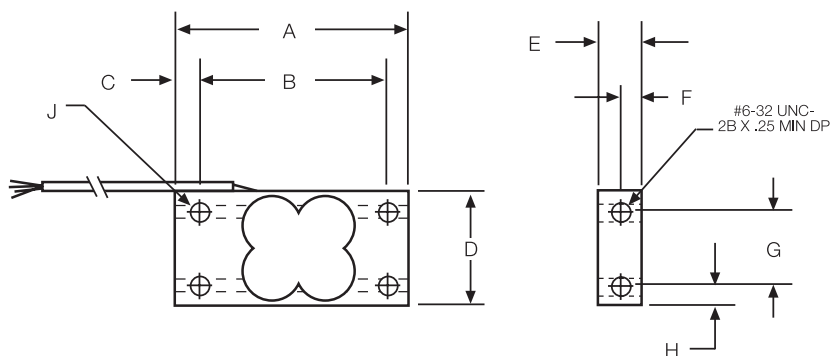
Full Scale Output: 1.5 mV/V nominal  
 Bridge Resistance: 1000 ohms, nominal  
 Material/Finish: Aluminum, black anodized  
 Temperature: Compensated range  
 0°F to 150°F/-18°C to 65°C  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V DC  
 Nonlinearity: 0.02% Full scale  
 Hysteresis: 0.03% Full scale

Insulation Resistance: 2000 megohms  
 Seal Type: Environmentally protected  
 Cable Length: 18"/.45m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 1 year

### RLS3020 ORDER INFORMATION

| Load Rating           | Part #      | Suggested List Price |
|-----------------------|-------------|----------------------|
| 2 lb (0.9 kg) .....   | 42527 ..... | \$120.00             |
| 5 lb (2.3 kg) .....   | 42528 ..... | \$120.00             |
| 10 lb (4.5 kg) .....  | 42529 ..... | \$120.00             |
| 15 lb (6.8 kg) .....  | 47947 ..... | \$120.00             |
| 25 lb (11.3 kg) ..... | 42530 ..... | \$120.00             |
| 50 lb (22.7 kg) ..... | 47948 ..... | \$120.00             |

## RLS2732 Force Load Sensor, Aluminum



| RATED CAPACITY        | DIMENSIONS |       |      |      |      |      |      |      |      |
|-----------------------|------------|-------|------|------|------|------|------|------|------|
|                       | A          | B     | C    | D    | E    | F    | G    | H    | J    |
| <b>lb/inches</b>      |            |       |      |      |      |      |      |      |      |
| 1-10                  | 2.0        | 1.625 | .188 | .970 | .375 | .188 | .625 | .173 | .113 |
| <b>kg/millimeters</b> |            |       |      |      |      |      |      |      |      |
| 0.5-4.5               | 50.8       | 41.2  | 4.7  | 24.6 | 9.5  | 4.7  | 15.8 | 4.3  | 2.8  |

### SPECIFICATIONS:

|                    |                                                |                   |                                                                                                  |
|--------------------|------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 1.5 mV/V nominal                               | Nonlinearity:     | 0.02% Full scale                                                                                 |
| Bridge Resistance: | 1000 ohms, nominal                             | Hysteresis:       | 0.03% Full scale                                                                                 |
| Material/Finish:   | Anodized aluminum                              | Seal Type:        | Environmentally protected                                                                        |
| Temperature:       | Compensated range<br>0°F to 150°F/18°C to 65°C | Cable Length:     | 18"/.45m                                                                                         |
| Safe Overload:     | 150% Full scale                                | Cable Color Code: | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Rated Excitation:  | 1-10V DC                                       | Warranty:         | 1 year                                                                                           |

### RLS2732 ORDER INFORMATION

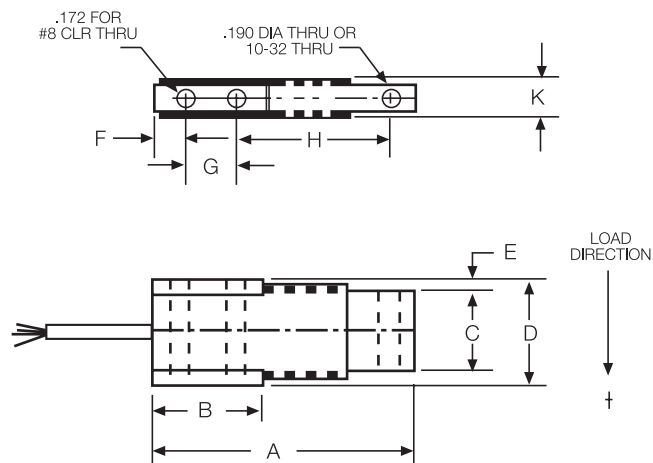
| Load Rating          | Part #      | Suggested List Price |
|----------------------|-------------|----------------------|
| 1 lb (0.5 kg) .....  | 42531 ..... | \$120.00             |
| 5 lb (2.2 kg) .....  | 42532 ..... | \$120.00             |
| 10 lb (4.5 kg) ..... | 42533 ..... | \$120.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model |
|--------------------------|-------|
| Revere Transducers ..... | FT50  |



## RLS3010 Load Sensor, Aluminum/Stainless Steel



| RATED<br>CAPACITY                  | DIMENSIONS |      |      |      |     |     |      |       |         |          |
|------------------------------------|------------|------|------|------|-----|-----|------|-------|---------|----------|
|                                    | A          | B    | C    | D    | E   | F   | G    | H     | K (SST) | K (ALUM) |
| <b>lb/inches</b><br>2-250          | 2.38       | 1.0  | .75  | 1.0  | .13 | .25 | .50  | 1.312 | .63     | .50      |
| <b>kg/millimeters</b><br>0.9-113.4 | 60.7       | 25.4 | 19.0 | 25.4 | 3.3 | 6.3 | 12.7 | 33.3  | 16.0    | 12.7     |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V nominal, 5# + 10#  
3.0 mV/V, 25# - 250#

Bridge Resistance: R in 350 ohms, nominal  
R out 400 ohms, nominal

Material/Finish: 2 - 10 lb – Aluminum  
25 - 250 lb – Stainless steel

Temperature: Compensated range  
0°F to 150°F/18°C to 65°C

Safe Overload: 150% Full scale

Rated Excitation: 10V DC

Nonlinearity: 0.03% Full scale

Hysteresis: 0.03% Full scale

Seal Type: Environmentally protected

Cable Length: 3'/1m

Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ... + Signal  
White ..... - Signal

Warranty: 1 year

### RLS3010 ORDER INFORMATION

| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 2 lb (0.9 kg) .....     | 42156 ..... | \$325.00             |
| 5 lb (2.3 kg) .....     | 42157 ..... | \$325.00             |
| 10 lb (4.5 kg) .....    | 42158 ..... | \$325.00             |
| 25 lb (11.3 kg) .....   | 42159 ..... | \$325.00             |
| 50 lb (22.6 kg) .....   | 42160 ..... | \$325.00             |
| 100 lb (45.3 kg) .....  | 42161 ..... | \$325.00             |
| 150 lb (68.0 kg) .....  | 42162 ..... | \$325.00             |
| 250 lb (113.4 kg) ..... | 42163 ..... | \$325.00             |

### INTERCHANGEABLE PRODUCTS

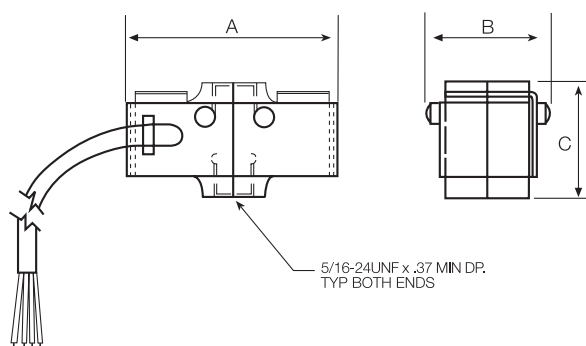
| Manufacturer        | Model                |
|---------------------|----------------------|
| Interface® .....    | MB                   |
| Sensortronics ..... | (see page 279) 65007 |
| Celtron .....       | (see page 180) MBB   |

Interface is a registered trademark of Interface, Inc.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice

## RLS3030 Low-Profile Load Sensor, Aluminum Tension and Compression



| RATED CAPACITY        | A    | B    | C    |
|-----------------------|------|------|------|
| <b>lb/inches</b>      |      |      |      |
| 2-300                 | 1.86 | 1.05 | 1.0  |
| <b>kg/millimeters</b> |      |      |      |
| 0.9-136.0             | 47.2 | 26.6 | 25.4 |

### SPECIFICATIONS:

|                    |                                                 |                   |                                                                                                  |
|--------------------|-------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V nominal                                | Hysteresis:       | 0.02% Full scale                                                                                 |
| Bridge Resistance: | 350 ohms, nominal                               | Seal Type:        | Environmentally protected                                                                        |
| Material/Finish:   | Black anodized aluminum                         | Cable Length:     | 18"/.45m                                                                                         |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C | Cable Color Code: | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Safe Overload:     | 150% Full scale                                 | Warranty:         | 1 year                                                                                           |
| Rated Excitation:  | 1-10V DC                                        |                   |                                                                                                  |
| Nonlinearity:      | 0.02% Full scale                                |                   |                                                                                                  |

### RLS3030 ORDER INFORMATION

| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 10 lb (4.5 kg) .....    | 42546 ..... | \$335.00             |
| 25 lb (11.3 kg) .....   | 42547 ..... | \$335.00             |
| 50 lb (22.6 kg) .....   | 42548 ..... | \$335.00             |
| 100 lb (45.3 kg) .....  | 42549 ..... | \$335.00             |
| 150 lb (68.0 kg) .....  | 42550 ..... | \$335.00             |
| 200 lb (90.7 kg) .....  | 42551 ..... | \$335.00             |
| 250 lb (113.4 kg) ..... | 42552 ..... | \$335.00             |
| 300 lb (136.0 kg) ..... | 42553 ..... | \$335.00             |



## RLS1000 Button Sensor, Stainless Steel

## RLS1005 High-Capacity Button Sensor, Stainless Steel



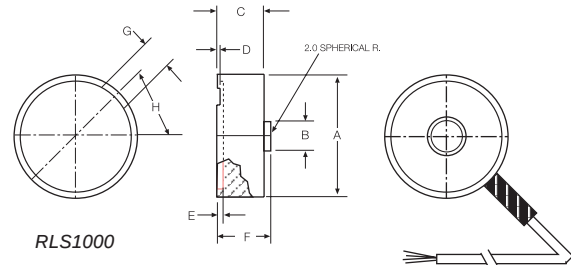
RLS1000



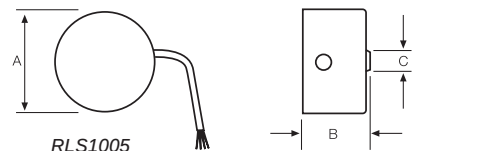
RLS1005



(RLS1000 only)



RLS1000



RLS1005

| RATED CAPACITY        | DIMENSIONS |      |      |      |      |      |      |     |
|-----------------------|------------|------|------|------|------|------|------|-----|
|                       | A          | B    | C    | D    | E    | F    | G    | H   |
| <b>RLS1000</b>        |            |      |      |      |      |      |      |     |
| <b>lb/inches</b>      |            |      |      |      |      |      |      |     |
| 500-5000              | 1.25       | .30  | .485 | .032 | .062 | .562 | .312 | 45% |
| <b>kg/millimeters</b> |            |      |      |      |      |      |      |     |
| 226.8-2268.0          | 31.7       | 7.6  | 12.3 | .812 | 1.5  | 14.2 | 7.9  | 45% |
| <b>RLS1005</b>        |            |      |      |      |      |      |      |     |
| <b>lb/inches</b>      |            |      |      |      |      |      |      |     |
| 1000-8000             | .875       | .55  | .165 | -    | -    | -    | -    | -   |
| <b>kg/millimeters</b> |            |      |      |      |      |      |      |     |
| 453.6-3628.8          | 22.2       | 13.9 | 4.1  | -    | -    | -    | -    | -   |

### RLS1000 SPECIFICATIONS:

|                    |                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V nominal                                                                                 |
| Bridge Resistance: | 350 ohms, nominal                                                                                |
| Material/Finish:   | Stainless steel                                                                                  |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C                                                  |
| Safe Overload:     | 150% Full scale                                                                                  |
| Rated Excitation:  | 15V DC                                                                                           |
| Nonlinearity:      | 0.02% Full scale                                                                                 |
| Hysteresis:        | 0.03% Full scale                                                                                 |
| Seal Type:         | Environmentally protected                                                                        |
| Cable Length:      | 20'/6.1m                                                                                         |
| Cable Color Code:  | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:          | 1 year                                                                                           |

### RLS1005 SPECIFICATIONS:

|                    |                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 1.5 mV/V nominal                                                                                 |
| Bridge Resistance: | 350 ohms, nominal                                                                                |
| Material/Finish:   | Stainless steel                                                                                  |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C                                                  |
| Safe Overload:     | 150% Full scale                                                                                  |
| Rated Excitation:  | 10V DC                                                                                           |
| Nonlinearity:      | 0.8% Full scale                                                                                  |
| Hysteresis:        | 0.8% Full scale                                                                                  |
| Seal Type:         | Environmentally protected                                                                        |
| Cable Length:      | 18"/.45m                                                                                         |
| Cable Color Code:  | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:          | 1 year                                                                                           |

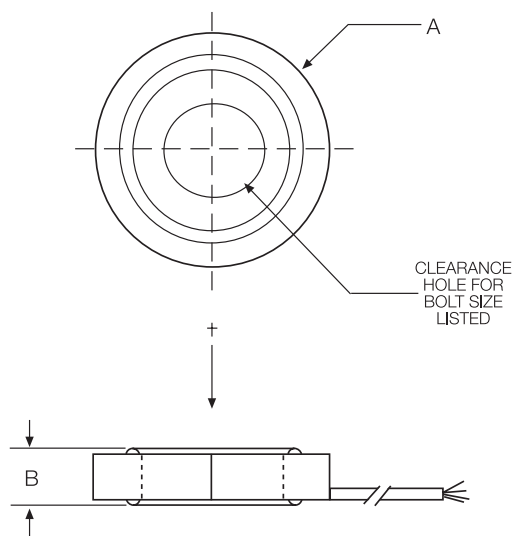
### RLS1000 ORDER INFORMATION

| Load Rating         | Part # | Suggested List Price |
|---------------------|--------|----------------------|
| 500 lb (226.8 kg)   | 42150  | \$350.00             |
| 1000 lb (453.6 kg)  | 42151  | \$350.00             |
| 2000 lb (907.2 kg)  | 42152  | \$350.00             |
| 3000 lb (1360.8 kg) | 42153  | \$350.00             |
| 4000 lb (1814.4 kg) | 42154  | \$350.00             |
| 5000 lb (2268.0 kg) | 42155  | \$350.00             |

### RLS1005 ORDER INFORMATION

| Load Rating         | Part # | Suggested List Price |
|---------------------|--------|----------------------|
| 1000 lb (453.6 kg)  | 42534  | \$425.00             |
| 2500 lb (1134.0 kg) | 42535  | \$425.00             |
| 5000 lb (2268.0 kg) | 42536  | \$425.00             |
| 8000 lb (3628.8 kg) | 42537  | \$425.00             |

## RLS7000 Washer Force Sensor, Stainless Steel



| DIMENSIONS          | #10   | 1/4   | 5/16   | 3/8    | 7/16   | 1/2    | 9/16   | 5/8    | 3/4    | 7/8    | 1.0     |
|---------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Outer Diameter (A)  | 1.077 | 1.077 | 1.077  | 1.077  | 1.598  | 1.598  | 1.598  | 1.598  | 2.413  | 2.413  | 2.413   |
| Overall Height (B)  | .42   | .42   | .42    | .42    | .50    | .50    | .50    | .50    | .50    | .50    | .50     |
| Operating Load (lb) | 3400  | 6500  | 8500   | 10,200 | 16,200 | 21,000 | 26,000 | 32,000 | 43,000 | 62,000 | 81,000  |
| Maximum Load (lb)   | 5000  | 9500  | 12,300 | 15,000 | 24,000 | 31,000 | 38,500 | 47,500 | 64,000 | 92,000 | 120,000 |

### SPECIFICATIONS:

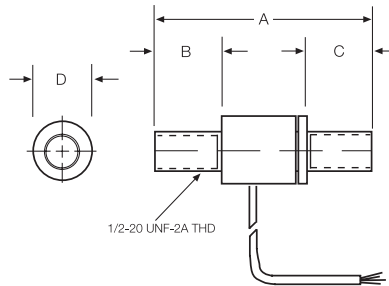
|                    |                                                 |                   |                                                                                                  |
|--------------------|-------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 1.5 mV/V nominal                                | Hysteresis:       | .03% Full scale                                                                                  |
| Bridge Resistance: | 1000 ohms                                       | Seal Type:        | Environmentally protected                                                                        |
| Material/Finish:   | Stainless steel                                 | Cable Length:     | 18"/.45m                                                                                         |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C | Cable Color Code: | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Safe Overload:     | 150% Full scale                                 | Warranty:         | 1 year                                                                                           |
| Rated Excitation:  | 10V DC                                          |                   |                                                                                                  |
| Nonlinearity:      | .5% Full scale                                  |                   |                                                                                                  |

### RLS7000 ORDER INFORMATION

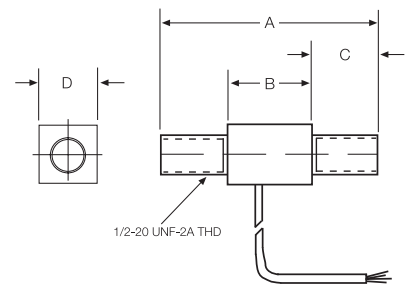
| Bolt Size  | Part #      | Suggested List Price |
|------------|-------------|----------------------|
| #10 .....  | 42295 ..... | \$450.00             |
| 1/4 .....  | 42296 ..... | \$450.00             |
| 5/16 ..... | 42297 ..... | \$450.00             |
| 3/8 .....  | 42298 ..... | \$450.00             |
| 7/16 ..... | 42299 ..... | \$450.00             |
| 1/2 .....  | 42300 ..... | \$450.00             |
| 9/16 ..... | 42301 ..... | \$450.00             |
| 5/8 .....  | 42302 ..... | \$450.00             |
| 3/4 .....  | 42303 ..... | \$450.00             |
| 7/8 .....  | 42304 ..... | \$450.00             |
| 1.0 .....  | 42305 ..... | \$450.00             |



## RLS2101 Tension Link, Stainless Steel



250-1000 lb/113.4-453.6 kg



2000-5000 lb/907.2-2268.0 kg

| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |
|-----------------------|------------|------|------|------|
|                       | A          | B    | C    | D    |
| <b>lb/inches</b>      |            |      |      |      |
| 250-1000              | 2.75       | .75  | .65  | 1.00 |
| 2000-5000             | 2.75       | 1.05 | .85  | .75  |
| <b>kg/millimeters</b> |            |      |      |      |
| 113.4-453.6           | 69.8       | 25.4 | 16.5 | 25.4 |
| 907.2-2268.0          | 69.8       | 26.6 | 21.5 | 19.1 |

### SPECIFICATIONS:

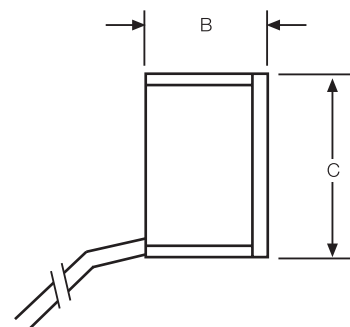
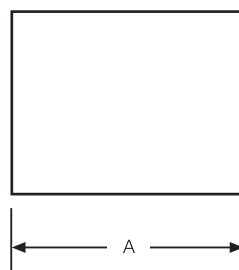
|                    |                                                |                   |                                                                                                 |
|--------------------|------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------|
| Full Scale Output: | 1.5 mV/V nominal                               | Hysteresis:       | 0.10% Full scale                                                                                |
| Bridge Resistance: | 1000 ohms, nominal                             | Seal Type:        | Environmentally protected                                                                       |
| Material/Finish:   | Stainless steel                                | Cable Length:     | 18"/.45m                                                                                        |
| Temperature:       | Compensated range<br>0°F to 150°F/18°C to 65°C | Cable Color Code: | Green ... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal |
| Safe Overload:     | 150% Full scale                                | Warranty:         | 1 year                                                                                          |
| Rated Excitation:  | 10V DC                                         |                   |                                                                                                 |
| Nonlinearity:      | 0.25% Full scale                               |                   |                                                                                                 |

### RLS2101 ORDER INFORMATION

| Load<br>Rating            | Part #      | Suggested<br>List Price |
|---------------------------|-------------|-------------------------|
| 250 lb (113.4 kg) .....   | 42538 ..... | \$395.00                |
| 500 lb (226.8 kg) .....   | 42539 ..... | \$395.00                |
| 1000 lb (453.6 kg) .....  | 42540 ..... | \$395.00                |
| 2000 lb (907.2 kg) .....  | 42541 ..... | \$395.00                |
| 3000 lb (1360.8 kg) ..... | 42542 ..... | \$395.00                |
| 4000 lb (1814.4 kg) ..... | 42543 ..... | \$395.00                |
| 5000 lb (2268.0 kg) ..... | 42544 ..... | \$395.00                |

# RLS8010 Inclinometer-Gravity Sensor

## Angle Measurement Device



| DIMENSIONS  | A    | B    | C    |
|-------------|------|------|------|
| Inches      | 2.0  | 1.0  | 1.5  |
| Millimeters | 50.8 | 25.4 | 38.1 |

### SPECIFICATIONS:

|                    |                           |                   |                           |
|--------------------|---------------------------|-------------------|---------------------------|
| Angle Range:       | ± 45° angle               | Cable Length:     | 18"/.45m                  |
| Ratiometric Range: | .003V/V degree            | Cable Color Code: | Red ..... + Input         |
| Supply Voltage:    | 8-13V regulated           |                   | White ..... - Input       |
| Freq. Response:    | Less than 1.0 Hz          |                   | Green ..... Signal Output |
| Material/Finish:   | ABS Thermoplastic         |                   | Black ..... Ground        |
| Seal Type:         | Environmentally protected | Warranty:         | 1 year                    |

### RLS8010 ORDER INFORMATION

| Angle     | Part #      | Suggested List Price |
|-----------|-------------|----------------------|
| 45° ..... | 42488 ..... | \$225.00             |

# Compression Canisters



C2P1, Alloy Steel ..... Page 168

Single-column design with low deflection and trouble-free operation. High-alloy steel, epoxy coated for use in harsh environments. Compact and rugged. NTEP-certified capacities from 20,000 to 200,000 lb (9071.9 to 90,718.5 kg); non-NTEP capacity of 300,000 lb (136,078.1 kg). Integral 10' (3.1m) or 35' (10.7m) cable.



C3P1, Alloy Steel ..... Page 169

Single-column, environmentally-protected design provides low deflection and trouble-free operation. High-alloy steel, epoxy coated for corrosion resistance. Compact and rugged. Capacities from 500 to 10,000 lb (226.8 to 4535.9 kg). Complete with 35' (10.7m) of load cell cable.



# Tension Canisters



T2P1, Alloy Steel ..... Page 170

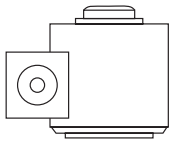
Single-column, environmentally-protected design provides low deflection and trouble-free operation. High-alloy steel, epoxy-coated construction yields trouble-free performance in harsh environments. Designed for high-capacity tension applications. Capacities of 20,000 and 50,000 lb (9071.9 and 22,679.6 kg). Integral 35' (10.7m) cable.



T3P1, Alloy Steel ..... Page 171

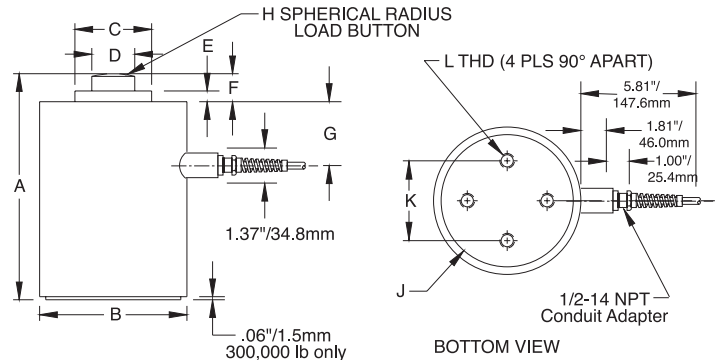
Single-column design provides low deflection and trouble-free operation. High-alloy steel, epoxy-coated construction yields trouble-free performance in harsh environments. Designed for high accuracy in light- to medium-capacity tension or compression applications. Capacities of 400 to 10,000 lb (226.87 to 3424.9 kg). Complete with 35' (10.7m) of load cell cable.





# C2P1 Compression Canister, Alloy Steel

## NTEP 1:4500 Class IIIL Multiple Cell, IP67



| RATED CAPACITY        | A     | B     | C     | D    | E    | F    | G     | H     | J     | K     | L                        |
|-----------------------|-------|-------|-------|------|------|------|-------|-------|-------|-------|--------------------------|
| <b>lb/inches</b>      |       |       |       |      |      |      |       |       |       |       |                          |
| 20,000-50,000         | 7.50  | 4.50  | 2.25  | 1.25 | .50  | .75  | 2.50  | 6.00  | —     | 2.38  | 3/8-24 UNF-2 X 3/8 DP    |
| 100,000               | 9.13  | 6.00  | 3.13  | 1.75 | .63  | 1.06 | 2.50  | 12.00 | —     | 4.00  | 1/2-20 UNF-2B X 3/4 DP   |
| 200,000               | 11.63 | 8.00  | 4.50  | 2.50 | .63  | 1.06 | 3.50  | 12.00 | —     | 5.50  | 5/8-18 UNF-2B X 1 DP     |
| 300,000               | 14.00 | 10.00 | 5.00  | 3.00 | .75  | 1.31 | 4.31  | 15.00 | 8.00  | 5.50  | 3/4-16 UNF-2B X 1 1/4 DP |
| <b>kg/millimeters</b> |       |       |       |      |      |      |       |       |       |       |                          |
| 9071.9-22,679.6       | 190.5 | 114.3 | 57.2  | 31.8 | 12.7 | 19.1 | 63.5  | 152.4 | —     | 60.3  | 3/8-24 UNF-2 X 3/8 DP    |
| 45,359.2              | 231.8 | 152.4 | 79.4  | 44.5 | 15.9 | 27.0 | 63.5  | 304.8 | —     | 101.6 | 1/2-20 UNF-2B X 3/4 DP   |
| 90,718.5              | 295.3 | 203.2 | 114.3 | 63.5 | 15.9 | 27.0 | 88.9  | 304.8 | —     | 139.7 | 5/8-18 UNF-2B X 1 DP     |
| 136,078.1             | 295.3 | 203.2 | 114.3 | 63.5 | 19.1 | 27.0 | 109.5 | 304.8 | 203.2 | 139.7 | 3/4-16 UNF-2B X 1 1/4 DP |

### SPECIFICATIONS:

|                    |                                              |                         |                                                                                                                      |
|--------------------|----------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                     | Insulation Resistance:  | 5000 megohms                                                                                                         |
| Bridge Resistance: | 350 ohms, nominal                            | Deflection at Capacity: | 20,000-30,000 lb = .0075\"/>                                                                                         |
| Material/Finish:   | High-alloy steel, epoxy coated               |                         |                                                                                                                      |
| Temperature:       | Compensated range 15°F to 115°F/-9°C to 46°C | Cable Length:           | 10' or 35'/3.0m or 10.7m, See below                                                                                  |
| Seal Type:         | NEMA 6 environmentally protected             | Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red .... - Signal<br>Yellow .... Shield |
| Safe Overload:     | 150% Full scale                              | Warranty:               | 1 year                                                                                                               |
| Rated Excitation:  | 10V DC (20V maximum)                         |                         |                                                                                                                      |
| Nonlinearity:      | 0.03% Full scale                             |                         |                                                                                                                      |
| Hysteresis:        | 0.02% Full scale                             |                         |                                                                                                                      |

### C2P1 ORDER INFORMATION

| Load Rating                       | Part #      | Suggested List Price |
|-----------------------------------|-------------|----------------------|
| <b>NTEP 1:4500, 10 ft Cables:</b> |             |                      |
| 20,000 lb (9071.9 kg) .....       | 21625 ..... | \$1,480.00           |
| 30,000 lb (13,607.8 kg) .....     | 21629 ..... | \$1,480.00           |
| 50,000 lb (22,679.6 kg) .....     | 21626 ..... | \$1,505.00           |
| 100,000 lb (45,359.2 kg) .....    | 21627 ..... | \$1,650.00           |
| 200,000 lb (90,718.5 kg) .....    | 21628 ..... | \$2,100.00           |
| <b>NTEP 1:4500, 35 ft Cables:</b> |             |                      |
| 20,000 lb (9071.9 kg) .....       | 21630 ..... | \$1,625.00           |
| 30,000 lb (13,607.8 kg) .....     | 21631 ..... | \$1,625.00           |
| 50,000 lb (22,679.6 kg) .....     | 21632 ..... | \$1,725.00           |
| 100,000 lb (45,359.2 kg) .....    | 21633 ..... | \$1,850.00           |
| 200,000 lb (90,718.5 kg) .....    | 21634 ..... | \$2,395.00           |

|                                 |             |            |
|---------------------------------|-------------|------------|
| <b>Non-NTEP, 10 ft Cables:</b>  |             |            |
| 300,000 lb (13,6078.1 kg) ..... | 17670 ..... | \$3,995.00 |
| <b>Non-NTEP, 35 ft Cables:</b>  |             |            |
| 300,000 lb (136,078.1 kg) ..... | 17671 ..... | \$4,095.00 |

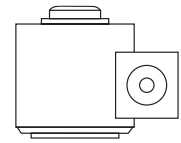
Fairbanks is a registered trademark of Fairbanks Scales  
Toledo is a registered trademark of Mettler-Toledo, Inc.

### INTERCHANGEABLE PRODUCTS

| Manufacturer              | Model                     |
|---------------------------|---------------------------|
| Fairbanks® .....          | 3-38065-X, 3-38066-X      |
| HBM .....                 | C10                       |
| Streeter Richardson ..... | 2011611, 2011612          |
| Streeter Richardson ..... | 2011613, 2011614, 2011617 |
| Toledo® .....             | 10049200A, 10014900A      |
| Toledo® .....             | 10011900A, 10049300A      |

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

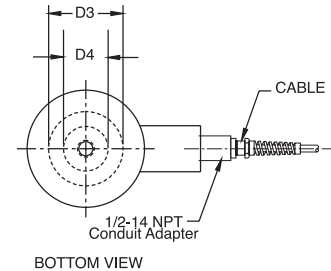
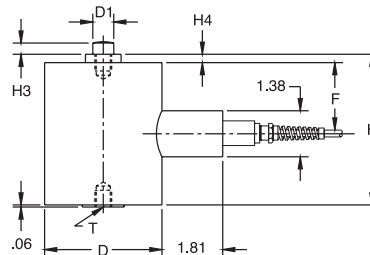




# C3P1 Compression Canister, Alloy Steel IP67



HOLES CAN BE DRILLED WITHIN THIS AREA TO RECEIVE LOCKING SCREWS. MAX. DEPTH OF HOLES IS "L" DIM.



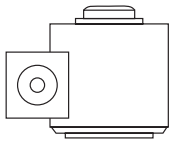
| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |       |      |     |      |                        |
|-----------------------|------------|------|------|------|------|-------|------|-----|------|------------------------|
|                       | D          | D1   | D3   | D4   | F    | H     | H3   | H4  | L    | T                      |
| <b>lb/inches</b>      |            |      |      |      |      |       |      |     |      |                        |
| 500-3000              | 3.50       | .62  | 1.25 | —    | 2.25 | 4.56  | .38  | .25 | —    | 1/2-20 UNF-2B X .50 DP |
| 5000-10,000           | 3.50       | 1.06 | 2.50 | 1.75 | 2.66 | 5.94  | .62  | .38 | .50  | 1-14 UNS-2B X 1.25 DP  |
| <b>kg/millimeters</b> |            |      |      |      |      |       |      |     |      |                        |
| 226.8-1360.8          | 88.9       | 15.7 | 31.8 | —    | 57.2 | 115.8 | 9.5  | 6.4 | —    | 1/2-20 UNF-2B X .50 DP |
| 2268.0-4535.9         | 88.9       | 27.0 | 63.5 | 44.5 | 67.6 | 150.9 | 15.7 | 9.7 | 12.7 | 1-14 UNS-2B X 1.25 DP  |

## SPECIFICATIONS

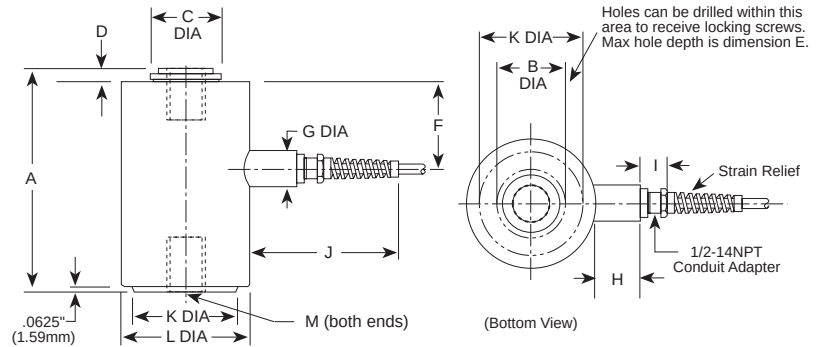
|                        |                                                                |                         |                                                                                                                         |
|------------------------|----------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                                       | Deflection at Capacity: | 500 lb = .007"/.18mm, 1000 lb = .006"/.15mm, 2000-3000 lb = .005"/.13mm, 5000 lb = .007"/.18mm, 10,000 lb = .005"/.13mm |
| Bridge Resistance:     | 350 ohms, nominal                                              | Seal Type:              | NEMA 6 environmentally protected                                                                                        |
| Material/Finish:       | High-alloy steel, epoxy coated                                 | Cable Length:           | 35'/10.7m                                                                                                               |
| Temperature:           | Compensated range 15°F to 115°F/-9°C to 46°C                   | Cable Color Code:       | Green .. + Excitation<br>Black .... - Excitation<br>White ... + Signal<br>Red ..... - Signal<br>Yellow ... Shield       |
| Safe Overload:         | 150% Full scale                                                | Warranty:               | 1 year                                                                                                                  |
| Rated Excitation:      | 10V DC (20V maximum)                                           |                         |                                                                                                                         |
| Nonlinearity:          | 0.05% Full scale                                               |                         |                                                                                                                         |
| Hysteresis:            | 500 lb = 0.05% Full scale<br>1000-10,000 lb = 0.02% Full scale |                         |                                                                                                                         |
| Insulation Resistance: | 5000 megohms                                                   |                         |                                                                                                                         |

| C3P1 ORDER INFORMATION |        |                      |  |
|------------------------|--------|----------------------|--|
| Load Rating            | Part # | Suggested List Price |  |
| 500 lb (226.8 kg)      | 17672  | \$1,805.00           |  |
| 1000 lb (453.6 kg)     | 17673  | \$1,805.00           |  |
| 2000 lb (907.2 kg)     | 17674  | \$1,805.00           |  |
| 3000 lb (1360.8 kg)    | 17675  | \$1,805.00           |  |
| 5000 lb (2268.0 kg)    | 17676  | \$1,895.00           |  |
| 10,000 lb (4535.9 kg)  | 17677  | \$1,895.00           |  |

| INTERCHANGEABLE PRODUCTS |                     |
|--------------------------|---------------------|
| Manufacturer             | Model               |
| Fairbanks®               | 3-38054-X           |
| Toledo®                  | 1004400A, KN713700  |
| Toledo®                  | KB200570, 10049100A |



# T2P1 Tension Canister, Alloy Steel



| RATED<br>CAPACITY     | DIMENSIONS |      |       |      |      |       |      |      |      |       |       |       |                          |
|-----------------------|------------|------|-------|------|------|-------|------|------|------|-------|-------|-------|--------------------------|
|                       | A          | B    | C     | D    | E    | F     | G    | H    | I    | J     | K     | L     | M                        |
| <b>lb/inches</b>      |            |      |       |      |      |       |      |      |      |       |       |       |                          |
| 20,000                | 8.50       | 2.63 | 2.75  | .50  | 1.00 | 3.38  | 1.38 | 1.81 | 1.00 | 5.81  | 4.00  | 5.00  | 1 1/2-12 UNF-2B x 2DP    |
| 50,000                | 11.44      | 3.75 | 4.00  | .63  | 1.00 | 5.00  | 1.38 | 1.81 | 1.00 | 5.81  | 5.75  | 6.50  | 2-12UNF-2B x 2.63DP      |
| <b>kg/millimeters</b> |            |      |       |      |      |       |      |      |      |       |       |       |                          |
| 9071.9                | 215.9      | 66.8 | 69.9  | 12.7 | 25.4 | 85.9  | 35.1 | 46.0 | 25.4 | 147.6 | 101.6 | 127.0 | 1 1/2-12 UNF-2B x 50.8DP |
| 22,679.7              | 290.6      | 95.3 | 101.6 | 16.0 | 25.4 | 127.0 | 35.1 | 46.0 | 25.4 | 147.6 | 146.1 | 165.1 | 2-12 UNF-2B x 66.7DP     |

## SPECIFICATIONS:

|                    |                                                 |
|--------------------|-------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                        |
| Bridge Resistance: | 350 ohms, nominal                               |
| Material/Finish:   | High-alloy steel, epoxy coated                  |
| Temperature:       | Compensated range<br>15°F to 115°F/-9°C to 46°C |
| Seal Type:         | Environmentally protected                       |
| Safe Overload:     | 150% Full scale                                 |
| Rated Excitation:  | 10V AC/DC (20V maximum)                         |
| Combined Error:    | ±0.03% Full scale                               |
| Repeatability:     | 0.02% Full scale                                |

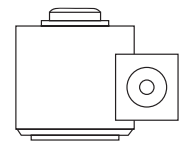
|                         |                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance:  | 5000 megohms                                                                                                         |
| Deflection at Capacity: | 20,000 lb = .0075"/.191mm,<br>50,000 lb = .0100"/.254mm                                                              |
| Cable Length:           | 35'/10.7m                                                                                                            |
| Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red .... - Signal<br>Yellow .... Shield |
| Warranty:               | 1 year                                                                                                               |

## T2P1 ORDER INFORMATION

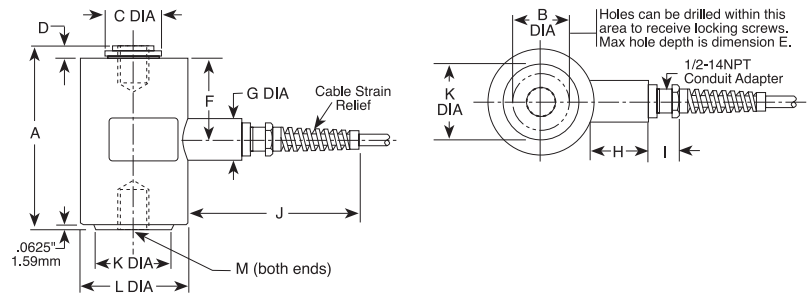
| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 20,000 lb (9071.9 kg) .....   | 17660 ..... | \$2,810.00           |
| 50,000 lb (22,679.6 kg) ..... | 17661 ..... | \$3,610.00           |

## INTERCHANGEABLE PRODUCTS

| Manufacturer              | Model            |
|---------------------------|------------------|
| Fairbanks® .....          | 657090, 657091   |
| Streeter Richardson ..... | 2011711, 2011712 |



# T3P1 Tension Canister, Alloy Steel



| RATED CAPACITY        | A     | B    | C    | D   | E    | F    | G    | H    | I    | J     | K    | L    | M                      |
|-----------------------|-------|------|------|-----|------|------|------|------|------|-------|------|------|------------------------|
| <b>lb/inches</b>      |       |      |      |     |      |      |      |      |      |       |      |      |                        |
| 500-3000              | 4.56  | —    | 1.06 | .25 | —    | 2.25 | 1.38 | 1.81 | 1.00 | 5.81  | 1.25 | 3.50 | 1/2-20 UNF-2B x .5 DP  |
| 5000-10,000           | 5.93  | 1.75 | 1.87 | .38 | .50  | 2.66 | 1.38 | 1.81 | 1.00 | 5.81  | 2.50 | 3.50 | 1-14 UNS-2B x 1.25 DP  |
| <b>kg/millimeters</b> |       |      |      |     |      |      |      |      |      |       |      |      |                        |
| 226.8-1360.8          | 115.8 | —    | 26.9 | 6.4 | —    | 57.2 | 35.1 | 46.0 | 25.4 | 147.6 | 31.8 | 88.9 | 1/2-20 UNF-2B x 12.7DP |
| 2268.0-4535.9         | 150.6 | 44.4 | 47.5 | 9.7 | 12.7 | 67.6 | 35.1 | 46.0 | 25.4 | 147.6 | 63.5 | 88.9 | 1-14 UNS-2B x 31.8DP   |

## SPECIFICATIONS:

|                    |                                                                |                         |                                                                                                                         |
|--------------------|----------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                                       | Insulation Resistance:  | 5000 megohms                                                                                                            |
| Bridge Resistance: | 350 ohms, nominal                                              | Deflection at Capacity: | 500 lb = .007"/.18mm, 1000 lb = .006"/.15mm, 2000-3000 lb = .005"/.13mm, 5000 lb = .007"/.18mm, 10,000 lb = .005"/.13mm |
| Material/Finish:   | High-alloy steel, epoxy coated                                 | Cable Length:           | 35'/10.7m                                                                                                               |
| Temperature:       | Compensated range<br>15°F to 115°F/-9°C to 46°C                | Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red .... - Signal<br>Yellow .... Shield    |
| Seal Type:         | Environmentally protected                                      | Warranty:               | 1 year                                                                                                                  |
| Safe Overload:     | 150% Full scale                                                |                         |                                                                                                                         |
| Rated Excitation:  | 10V AC/DC (20V maximum)                                        |                         |                                                                                                                         |
| Nonlinearity:      | 0.05% Full scale                                               |                         |                                                                                                                         |
| Hysteresis:        | 0.05% Full scale (500 lb)<br>0.02% Full scale (1000-10,000 lb) |                         |                                                                                                                         |

## T3P1 ORDER INFORMATION

| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| 500 lb (226.8 kg) .....     | 17654 ..... | \$1,810.00           |
| 1000 lb (453.6 kg) .....    | 17655 ..... | \$1,810.00           |
| 2000 lb (907.2 kg) .....    | 17656 ..... | \$1,810.00           |
| 3000 lb (1360.8 kg) .....   | 17657 ..... | \$1,810.00           |
| 5000 lb (2268.0 kg) .....   | 17658 ..... | \$1,905.00           |
| 10,000 lb (4535.9 kg) ..... | 17659 ..... | \$1,905.00           |

## INTERCHANGEABLE PRODUCTS

| Manufacturer              | Model                |
|---------------------------|----------------------|
| Fairbanks® .....          | 3-39897-X, 3-40766-X |
| Streeter Richardson ..... | 20117XX              |
| Toledo® .....             | 10048X00A, KN75066   |

## S-Beams



STC, Low-Capacity, Alloy Steel ..... Page 176

Ideally suited for batching and filling, conveyor and hopper/tank weighing. Nickel plated, high-alloy steel construction. Capacities from 50 to 200 lb (22.7 to 90.7 kg). Complete with 10' (3.1m) of load cell cable.



STC, Alloy Steel ..... Page 177

Ideally suited for batching and filling and hopper/tank weighing. Nickel plated, alloy steel construction. Capacities from 250 to 40,000 lb (113.4 to 18,144 kg). Complete with 20' (6.1m) of load cell cable.



STC SS, Stainless Steel ..... Page 178

The Celtron STC has been a popular industry S-beam for some time, and for the first time is available in a stainless steel version. This high-quality product is ideal for tension applications, and provides the additional protection of being manufactured from stainless. Capacities from 200 to 10,000 lb (90.7 to 4535.9 kg). Each unit is provided with a standard 20' (6.1m) cable.



## Single-Ended Beams



SQB, Alloy Steel ..... Page 179

Single-ended beam designed for low-profile scales and platform, hopper and tank weighing applications. NTEP-certified cells in capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg); Non-NTEP cells from 500 to 20,000 lb (226.8 to 9071.9 kg). Complete with 20' (6.1m) of load cell cable.



MBB, Alloy Steel ..... Page 180

Ultra-small load cell designed for bench, platform, tank and conveyor weighing applications. Nickel plated and environmentally protected with a stainless steel side plate. Capacities from 50 to 250 lb (22.7 to 113.4 kg). Complete with 3' (0.9m) of load cell cable.



## Double-Ended Beams



CSB, Alloy Steel ..... Page 181

This double-ended beam with center loading is an optional replacement for many popular cells in the industry. Designed for truck, tank, and hopper applications. Capacities from 5000 to 150,000 lb (2268.0 to 68,040 kg). Complete with 30' (9.1m) of load cell cable.



## Double-Ended Beams (Continued)

DSR, Alloy Steel ..... Page 182



Double-ended beam with center loading. Designed for tank, hopper and silo applications. Capacities from 1000 to 75,000 lb (453.6 to 34,019.5 kg). Complete with 25' (7.6m) load cell cable.



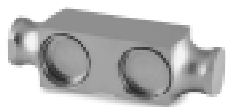
CLB, Alloy Steel ..... Page 183



The Celtron CLB is an alloy steel, nickel-plated, double-ended beam that is ideal for applications in truck, track, tank and hopper applications. This product is of the center-loaded design, and is compatible with both the MVS and TSA mounting assemblies. The price has recently been reduced, and it should be competitive with any similar load cell on the market today. Available in capacities from 20,000 to 125,000 lb (9071.9 to 56,699.1kg), with all units being provided with a 25' (7.6m) cable.



HED, Alloy Steel ..... Page 184



This double-ended beam is intended for use in parallel link applications. The advantages to this method of loading is that the link design provides free movement in all horizontal directions with virtually no binding or friction points. This load cell is made of high-alloy steel that has been nickel plated, and is hermetically sealed to provide superior protection against the elements. Capacities range from 50,000 to 100,000 lb (22,679.6 to 45,359.2 kg). Each unit is provided with 40' (12.2m) of cable.



DLB, Alloy Steel ..... Page 185



Designed for center mounting and double-link loading, the DLB is a high-accuracy solution for many weighing applications. This alloy steel, nickel-plated load cell is compatible with Unilink/Translink mounting configurations. Available in capacities from 25,000 to 125,000 lb (11,339.8 to 56,699.1 kg). Units are provided with a standard 25' (7.6m) cable.

## Single Points

LPS, Aluminum ..... Page 186



Designed for counting and bench weighing applications. Capacities from 3 to 100 kg (6.6 to 220.5 lb). Complete with 450mm (17.8") of load cell cable.



LOC, Aluminum ..... Page 187



Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform, hanging scales, and other low-capacity beam applications. Long-term stability and durability are maintained. Capacities from 5 to 100 kg (11.0 to 220.5 lb). Complete with 1m (3.3') of load cell cable.



**Single Points (Continued)**

LOC, Aluminum, Heavy Capacity ..... Page 188



Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform and hanging scales. Long-term stability and durability are maintained. Capacities from 100 to 500 kg (220.5 to 1102.3 lb). Complete with 3.1m (10') of load cell cable.



HOC, Aluminum ..... Page 189

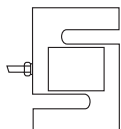


The model HOC is a high-capacity single point made of aluminum. Direct mounting of low-profile platforms simplifies the construction of floor scales, weigh bars, and hanging scales. Capacities from 750 to 2000 kg (1653.7 to 4410.0 lb). Complete with 3.1m (10') of load cell cable.

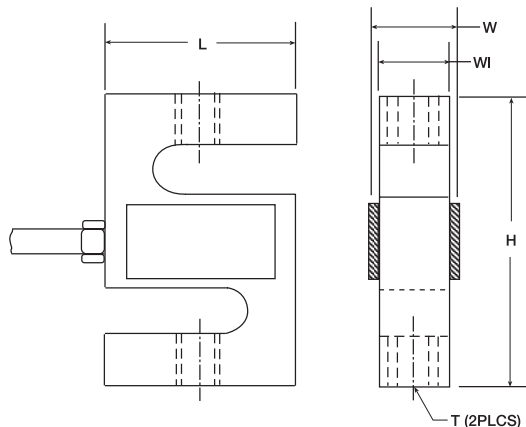


LCD Compression Disk, Alloy Steel ..... Featured Products Section Page 6, Page 190

PSD Compression Disk, Alloy Steel ..... Featured Products Section Page 8, Page 191



## STC Low-Capacity S-Beam, Alloy Steel, IP67



### RATED CAPACITY

**lb/inches**  
50-200

**H**

**L**

### DIMENSIONS

**T**

**W**

**W1**

**kg/millimeters**  
22.7-90.7

63.5

50.8

1/4-28 UNF

19.1

12.7

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V (50 lb capacity, 2.0 mV/V)  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: High-alloy steel, nickel plated  
Temperature: Compensated range  
14°F to 104°F/-10°C to 40°C  
Safe Overload: 200% Full scale  
Rated Excitation: 10V AC/DC (15V maximum)  
Nonlinearity: 0.03% Full scale  
Hysteresis: 0.02% Full scale

Insulation Resistance: 2000 megohms  
Seal Type: Environmentally protected, IP67  
Cable Length: 10'/3.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ... + Signal  
White ..... - Signal  
Warranty: 1 year

### STC ORDER INFORMATION

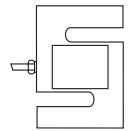
| Load Rating            | Part #      | Suggested List Price |
|------------------------|-------------|----------------------|
| 50 lb (22.7 kg) .....  | 30044 ..... | \$165.00             |
| 100 lb (45.4 kg) ..... | 30045 ..... | \$165.00             |
| 150 lb (68.0 kg) ..... | 30046 ..... | \$165.00             |
| 200 lb (90.7 kg) ..... | 35787 ..... | \$165.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 97) RL20000 |
| Revere Transducers .....         | (see page 236) 9363   |
| Sensortronics .....              | (see page 273) 60036  |

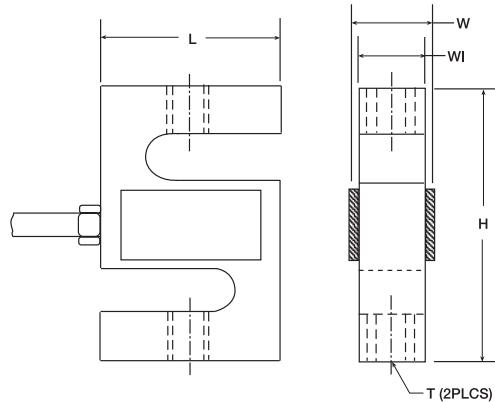
### WEIGH MODULE AVAILABLE

| Model                                    | Page #        |
|------------------------------------------|---------------|
| ITCM - Isolated Tension Cell Mount ..... | 24-29, or 335 |



# STC S-Beam, Alloy Steel

## NTEP 1:10,000 Class IIIL Single Cell, IP67



| RATED CAPACITY        | T            | L     | DIMENSIONS<br>W | W1   | H     |
|-----------------------|--------------|-------|-----------------|------|-------|
| <b>lb/inches</b>      |              |       |                 |      |       |
| 250                   | 3/8-24 UNF   | 2.00  | .75             | .50  | 3.00  |
| 500-1500              | 1/2-20 UNF   | 2.00  | 1.00            | .75  | 3.00  |
| 2000-3000             | 1/2-20 UNF   | 2.00  | 1.25            | 1.00 | 3.00  |
| 5000                  | 3/4-16 UNF   | 3.00  | 1.25            | 1.00 | 4.25  |
| 10,000                | 3/4-16 UNF   | 3.00  | 1.25            | 1.00 | 4.75  |
| 15,000                | 1-14 UNS     | 3.95  | 1.50            | 1.25 | 5.50  |
| 20,000                | 1 1/4-12 UNF | 4.94  | 2.19            | 1.94 | 7.00  |
| 40,000                | 1 1/2-12 UNF | 6.00  | 2.75            | 2.50 | 10.00 |
| <b>kg/millimeters</b> |              |       |                 |      |       |
| 113.4                 | 3/8-24 UNF   | 50.8  | 19.1            | 12.7 | 76.2  |
| 226.8-907.2           | 1/2-20 UNF   | 50.8  | 25.4            | 19.1 | 76.2  |
| 1134.0-1360.8         | 3/4-16 UNF   | 50.8  | 31.8            | 25.4 | 76.2  |
| 2268.0                | 1/2-20 UNF   | 76.2  | 31.8            | 25.4 | 107.9 |
| 4535.9                | 1/2-20 UNF   | 88.9  | 31.8            | 25.4 | 107.9 |
| 6803.9                | 1-14 UNS     | 100.3 | 38.1            | 31.8 | 139.7 |
| 9071.9                | 1 1/4-12 UNF | 125.5 | 55.7            | 49.3 | 177.8 |
| 18,144.0              | 1 1/2-12 UNF | 152.4 | 69.9            | 63.5 | 254.0 |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V nominal  
 Bridge Resistance: 350 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: 10V AC/DC (15V maximum)  
 Non-Repeatability: 0.01% Full scale  
 Combined error: 0.02% Full scale

Insulation Resistance: 2000 megohms  
 Seal Type: Environmentally protected, IP67  
 Cable Length: 20'/6.1m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green .... + Signal  
 White ..... - Signal  
 Warranty: 1 year

### STC ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 250 lb (113.4 kg) .....       | 30047 ..... | \$195.00             |
| 500 lb (226.8 kg) .....       | 30051 ..... | \$195.00             |
| 750 lb (340.2 kg) .....       | 30054 ..... | \$195.00             |
| 1000 lb (453.6 kg) .....      | 30067 ..... | \$195.00             |
| 1500 lb (680.4 kg) .....      | 30069 ..... | \$195.00             |
| 2000 lb (907.2 kg) .....      | 30072 ..... | \$195.00             |
| 2500 lb (1134.0 kg) .....     | 30073 ..... | \$195.00             |
| 3000 lb (1360.8 kg) .....     | 30074 ..... | \$235.00             |
| 5000 lb (2268.0 kg) .....     | 30076 ..... | \$325.00             |
| 10,000 lb (4535.9 kg) .....   | 30077 ..... | \$325.00             |
| 15,000 lb (6803.9 kg) .....   | 30078 ..... | \$455.00             |
| 20,000 lb (9071.9 kg) .....   | 30079 ..... | \$685.00             |
| 40,000 lb (18,144.0 kg) ..... | 46674 ..... | \$955.00*            |

\* Non-NTEP

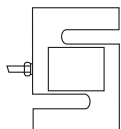
### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 99) RL20001 |
| Sensortronics .....              | (see page 270) 60001  |

### WEIGH MODULE AVAILABLE

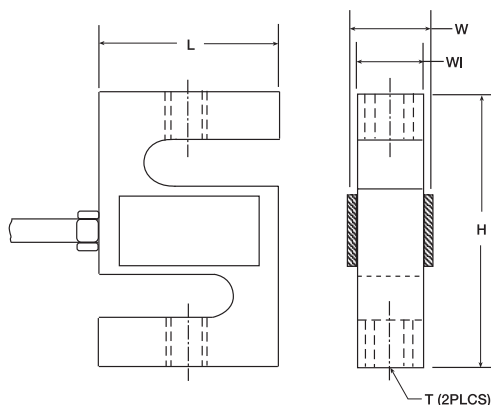
| Model                                    | Page #        |
|------------------------------------------|---------------|
| ITCM - Isolated Tension Cell Mount ..... | 24-29, or 335 |





## STC SS S-Beam, Stainless Steel, IP67

**EXPANDED!**  
Capacity Range!



| RATED CAPACITY        | T          | L    | DIMENSIONS<br>W | W1   | H     |
|-----------------------|------------|------|-----------------|------|-------|
| <b>lb/inches</b>      |            |      |                 |      |       |
| 250                   | 3/8-24 UNF | 2.00 | .75             | .50  | 3.00  |
| 500-1500              | 1/2-20 UNF | 2.00 | 1.00            | .75  | 3.00  |
| 2000-3000             | 1/2-20 UNF | 2.00 | 1.25            | 1.00 | 3.00  |
| 5000                  | 3/4-16 UNF | 3.00 | 1.25            | 1.00 | 4.25  |
| 10,000                | 3/4-16 UNF | 3.50 | 1.25            | 1.00 | 4.25  |
| <b>kg/millimeters</b> |            |      |                 |      |       |
| 113.4                 | 3/8-24 UNF | 50.8 | 19.1            | 12.7 | 76.2  |
| 226.8-907.2           | 1/2-20 UNF | 50.8 | 25.4            | 19.1 | 76.2  |
| 1134.0-1360.8         | 1/2-20 UNF | 50.8 | 31.8            | 25.4 | 76.2  |
| 2268.0                | 3/4-16 UNF | 76.2 | 31.8            | 25.4 | 107.9 |
| 4535.9                | 3/4-16 UNF | 88.9 | 31.8            | 25.4 | 107.9 |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V nominal  
 Bridge Resistance: 350 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: 10V AC/DC (15V maximum)  
 Nonlinearity: 0.03% Full scale  
 Hysteresis: 0.02% Full scale

Insulation Resistance: 2000 megohms  
 Seal Type: Environmentally protected, IP67  
 Cable Length: 20'/6.1m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green .... + Signal  
 White ..... - Signal  
 Warranty: 1 year

### STC SS ORDER INFORMATION

| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| 250 lb (113.4 kg) .....     | 46659 ..... | \$295.00             |
| 500 lb (226.8 kg) .....     | 46661 ..... | \$295.00             |
| 750 lb (340.2 kg) .....     | 46662 ..... | \$295.00             |
| 1000 lb (453.6 kg) .....    | 46663 ..... | \$295.00             |
| 1500 lb (680.4 kg) .....    | 46664 ..... | \$295.00             |
| 2000 lb (907.2 kg) .....    | 46665 ..... | \$295.00             |
| 2500 lb (1134.0 kg) .....   | 46666 ..... | \$315.00             |
| 3000 lb (1360.8 kg) .....   | 46667 ..... | \$315.00             |
| 5000 lb (2268.0 kg) .....   | 46668 ..... | \$445.00             |
| 10,000 lb (4535.9 kg) ..... | 46669 ..... | \$455.00             |

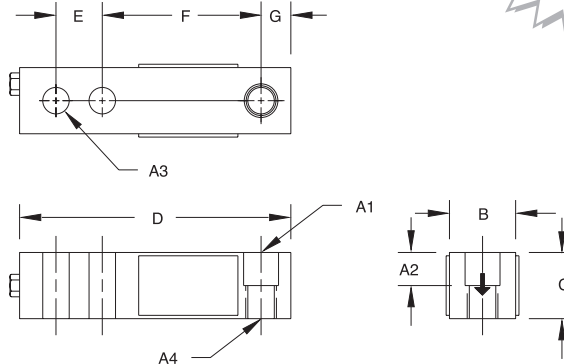
### INTERCHANGEABLE PRODUCTS

| Manufacturer        | Model                |
|---------------------|----------------------|
| Sensortronics ..... | (see page 271) 60050 |

## SQB Single-Ended Shear Beam, Alloy Steel

### NTEP 1:5000 Class III Multiple Cell, IP67

**Dramatically  
Reduced  
Prices!**



| RATED<br>CAPACITY     | DIMENSIONS |      |      |               |      |      |       |      |       |      |
|-----------------------|------------|------|------|---------------|------|------|-------|------|-------|------|
|                       | A1         | A2   | A3   | A4            | B    | C    | D     | E    | F     | G    |
| <b>lb/inches</b>      |            |      |      |               |      |      |       |      |       |      |
| 500                   | .53 DIA.   | .50  | .53  | 1/2-20 UNF-2B | 1.25 | 1.00 | 5.12  | 1.00 | 3.00  | .50  |
| 1000-5000SE           | .53 DIA.   | .62  | .53  | 1/2-20 UNF-2B | 1.25 | 1.25 | 5.12  | 1.00 | 3.00  | .50  |
| 5000LE-10,000         | .78 DIA.   | .75  | .78  | 3/4-16 UNF-2B | 1.50 | 1.50 | 6.75  | 1.50 | 3.75  | .75  |
| 15,000-20,000         | 1.03 DIA.  | 1.00 | 1.03 | 1-14 UNF-2B   | 2.00 | 2.00 | 8.88  | 2.00 | 4.88  | 1.00 |
| <b>kg/millimeters</b> |            |      |      |               |      |      |       |      |       |      |
| 226.8                 | 13.5 DIA.  | 12.7 | 13.5 | 1/2-20 UNF-2B | 31.8 | 25.4 | 130.0 | 25.4 | 76.2  | 12.7 |
| 453.6-2268.0SE        | 13.5 DIA.  | 15.8 | 13.5 | 1/2-20 UNF-2B | 31.8 | 31.8 | 130.0 | 25.4 | 76.2  | 12.7 |
| 2268.0LE-4535.9       | 19.8 DIA.  | 19.1 | 19.8 | 3/4-16 UNF-2B | 38.1 | 38.1 | 171.5 | 38.1 | 95.3  | 19.1 |
| 6803.9-9071.9         | 26.2 DIA.  | 25.4 | 26.2 | 1-14 UNF-2B   | 50.8 | 50.8 | 225.6 | 50.8 | 124.0 | 25.4 |

#### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: High-alloy steel, nickel plated  
 Temperature: Compensated range  
 14°F to 104°F/-10°C to 40°C  
 Safe Overload: 200% Full scale  
 Rated Excitation: 10V AC/DC (15V maximum)  
 Nonlinearity: 0.03% Full scale  
 Hysteresis: 0.02% Full scale

Insulation Resistance: 2000 megohms  
 Deflection at Capacity: 500-1000 lb = .013"/.3mm,  
 2000-3000 lb = .015"/.4mm,  
 4000-5000 lb = .025"/.6mm,  
 10,000 lb = .035"/.9mm  
 Seal Type: Environmentally protected, IP67  
 Cable Length: 20'/6.1m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green .... + Signal  
 White ..... - Signal  
 Warranty: 1 year

#### SQB ORDER INFORMATION

| Load Rating            | Part # | Suggested List Price |
|------------------------|--------|----------------------|
| <b>NTEP 1:5000</b>     |        |                      |
| 1000 lb (453.6 kg)     | 30106  | \$195.00             |
| 2000 lb (907.2 kg)     | 30109  | \$195.00             |
| 2500 lb (1134.0 kg)    | 30112  | \$195.00             |
| 3000 lb (1360.8 kg)    | 30113  | \$195.00             |
| 4000 lb (1814.4 kg)    | 30270  | \$195.00             |
| 5000 lb-SE (2268.0 kg) | 30114  | \$195.00             |
| 5000 lb-LE (2268.0 kg) | 30115  | \$330.00             |
| 10,000 lb (4535.9 kg)  | 30117  | \$330.00             |
| <b>Non-NTEP</b>        |        |                      |
| 500 lb (226.8 kg)      | 30101  | \$185.00             |
| 15,000 lb (6803.9 kg)  | 30118  | \$430.00             |
| 20,000 lb (9071.9 kg)  | 30121  | \$445.00             |

SE refers to small envelope  
 LE refers to large envelope

#### INTERCHANGEABLE PRODUCTS

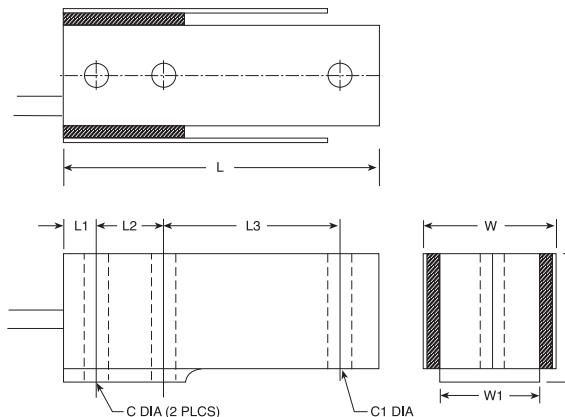
| Manufacturer               | Model                  |
|----------------------------|------------------------|
| Rice Lake Weighing Systems | (see page 107) RL35023 |
| Sensortronics              | (see page 274) 65023   |

#### WEIGH MODULE AVAILABLE

| Model         | Page # |
|---------------|--------|
| RL1800 Series | 40     |
| RL50210TA     | 30     |

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

# MBB Single-Ended Beam, Alloy Steel



| RATED<br>CAPACITY     | DIMENSIONS |       |      |      |      |      |      |      |      |
|-----------------------|------------|-------|------|------|------|------|------|------|------|
|                       | C          | C1    | W    | W1   | H    | L    | L1   | L2   | L3   |
| <b>lb/inches</b>      |            |       |      |      |      |      |      |      |      |
| 50-150                | 0.172      | 0.172 | 0.70 | 0.50 | 1.00 | 2.38 | 0.25 | 0.50 | 1.31 |
| 250                   | 0.172      | 0.172 | 1.00 | 0.75 | 1.00 | 2.38 | 0.25 | 0.50 | 1.31 |
| <b>kg/millimeters</b> |            |       |      |      |      |      |      |      |      |
| 22.7-68.0             | 4.37       | 4.37  | 17.8 | 12.7 | 25.4 | 60.5 | 6.4  | 12.7 | 33.3 |
| 113.4                 | 4.37       | 4.37  | 25.4 | 19.1 | 25.4 | 60.5 | 6.4  | 12.7 | 33.3 |

## SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: High-alloy steel, nickel plated  
 Temperature: Compensated range  
 14°F to 104°F/-10°C to 40°C  
 Safe Overload: 200% Full scale  
 Rated Excitation: 10V DC (15V maximum)  
 Nonlinearity: 0.03% Full scale  
 Hysteresis: 0.02% Full scale

Insulation Resistance: 2000 megohms  
 Seal Type: Environmentally protected  
 Cable Length: 3'/0.9m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 1 year

## MBB ORDER INFORMATION

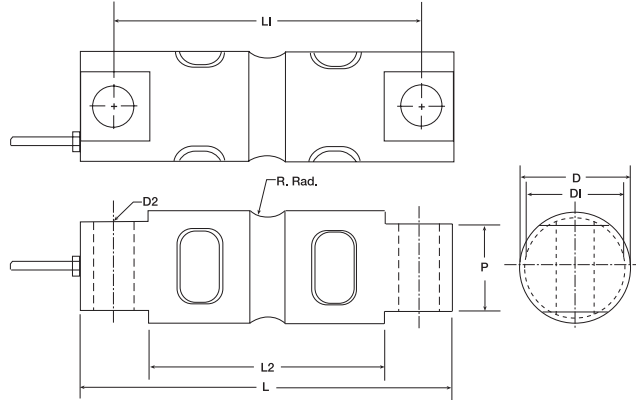
| Load<br>Rating          | Part #      | Suggested<br>List Price |
|-------------------------|-------------|-------------------------|
| 50 lb (22.7 kg) .....   | 30130 ..... | \$195.00                |
| 100 lb (45.4 kg) .....  | 30131 ..... | \$195.00                |
| 150 lb (68.0 kg) .....  | 30132 ..... | \$195.00                |
| 250 lb (113.4 kg) ..... | 35786 ..... | \$195.00                |

## INTERCHANGEABLE PRODUCT INFORMATION

| Manufacturer        | Model                |
|---------------------|----------------------|
| Sensortronics ..... | (see page 279) 65007 |
| Interface® .....    | MB                   |
| Revere .....        | CBU                  |

# CSB Double-Ended Shear Beam, Alloy Steel

## NTEP 1:10,000 Class IIIL Multiple Cell, IP67



| RATED CAPACITY        | DIMENSIONS |       |       |      |      |      |      |      |
|-----------------------|------------|-------|-------|------|------|------|------|------|
|                       | L          | L1    | L2    | D    | D1   | D2   | P    | R    |
| <b>lb/inches</b>      |            |       |       |      |      |      |      |      |
| 5000-20,000           | 8.12       | 6.88  | 5.24  | 1.83 | 1.61 | .66  | 1.12 | .50  |
| 30,000-60,000         | 10.25      | 8.50  | 6.49  | 3.20 | 2.93 | 1.06 | 2.37 | 1.00 |
| 100,000               | 11.25      | 9.50  | 7.49  | 3.75 | 3.24 | 1.06 | 2.50 | 1.00 |
| 150,000               | 11.25      | 9.50  | 7.49  | 3.90 | 3.64 | 1.06 | 2.80 | 1.50 |
| <b>kg/millimeters</b> |            |       |       |      |      |      |      |      |
| 2268.0-9071.9         | 206.3      | 174.8 | 133.1 | 46.5 | 41.0 | 16.8 | 28.5 | 12.7 |
| 13,607.8-27,215.6     | 260.4      | 215.9 | 164.8 | 81.3 | 74.5 | 26.9 | 60.2 | 25.4 |
| 45,359.4              | 285.8      | 241.3 | 190.2 | 95.3 | 88.7 | 26.9 | 63.5 | 25.4 |
| 68,040.0              | 285.8      | 241.3 | 190.2 | 99.1 | 92.5 | 26.9 | 71.1 | 38.1 |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
 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: 10V AC/DC (15V maximum)  
 Combined error: 0.25% Full scale  
 Non-Repeatability: 0.02% Full scale

Insulation Resistance: 5000 megohms  
 Seal Type: Environmentally protected, IP67  
 Cable Length: 30'/9.1m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 1 year

### CSB ORDER INFORMATION

| Load Rating              | Part # | Suggested List Price |
|--------------------------|--------|----------------------|
| 5000 lb (2268.0 kg)      | 42120  | \$635.00             |
| 10,000 lb (4536.0 kg)    | 42121  | \$635.00             |
| 20,000 lb (9072.0 kg)    | 42122  | \$635.00             |
| 30,000 lb (13,608.0 kg)  | 42123  | \$735.00             |
| 40,000 lb (18,144.0 kg)  | 42124  | \$735.00             |
| 50,000 lb (22,679.6 kg)  | 42125  | \$815.00             |
| 60,000 lb (27,216.0 kg)  | 42126  | \$815.00             |
| 100,000 lb (45,360.0 kg) | 42127  | \$1,410.00           |
| 150,000 lb (68,040.0 kg) | 46683  | \$1,610.00           |

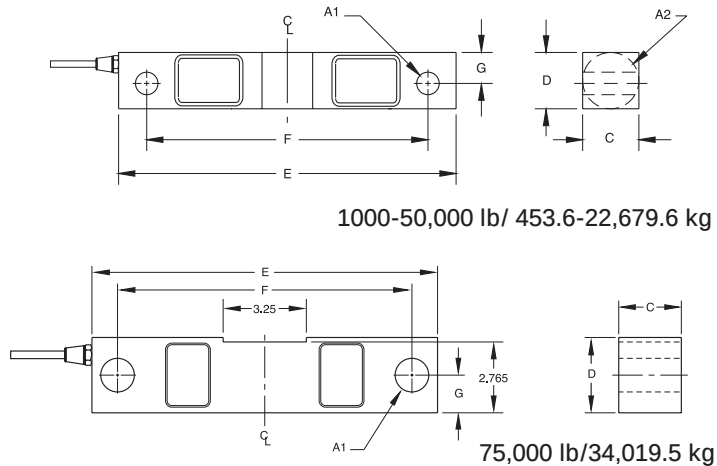
### INTERCHANGEABLE PRODUCTS

| Manufacturer               | Model                  |
|----------------------------|------------------------|
| Rice Lake Weighing Systems | (see page 131) RL70000 |
| Revere Transducers         | (see page 246) 5103    |

### WEIGH MODULE AVAILABLE

| Model      | Page # |
|------------|--------|
| EZ Mount 1 | 52     |

# DSR Double-Ended Shear Beam, Alloy Steel, IP67



| RATED CAPACITY        | A1   | A2   | C    | D    | E     | F     | G    |
|-----------------------|------|------|------|------|-------|-------|------|
| <b>lb/inches</b>      |      |      |      |      |       |       |      |
| 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 |
| <b>kg/millimeters</b> |      |      |      |      |       |       |      |
| 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 |
| 22,679.7              | 33.3 | 76.2 | 62.0 | 74.7 | 342.9 | 292.1 | 38.1 |
| 34,019.5              | 33.3 | -    | 62.0 | 74.7 | 342.9 | 292.1 | 37.3 |

## SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
 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: 10V AC/DC (25V maximum)  
 Nonlinearity: 0.03% Full scale  
 Hysteresis: 0.02% Full scale

Insulation Resistance: 2000 megohms  
 Deflection at Capacity: 1000-3000 lb = .01"/.3mm, 5000 lb = .015"/.4mm, 10,000 - 20,000 lb = .022"/.6mm, 25,000 lb = .036"/.9mm, 50,000 lb = .052"/1.3mm, 75,000 lb = .07"/1.8mm  
 Seal Type: Environmentally protected, IP67  
 Cable Length: 25'/7.6m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 1 year

| DSR ORDER INFORMATION   |        |                      |  |
|-------------------------|--------|----------------------|--|
| Load Rating             | Part # | Suggested List Price |  |
| 1000 lb (453.6 kg)      | 30080  | \$495.00             |  |
| 1500 lb (680.4 kg)      | 30081  | \$495.00             |  |
| 2000 lb (907.2 kg)      | 30088  | \$495.00             |  |
| 2500 lb (1134.0 kg)     | 30089  | \$495.00             |  |
| 3000 lb (1360.8 kg)     | 30091  | \$495.00             |  |
| 5000 lb (2268.0 kg)     | 30094  | \$495.00             |  |
| 10,000 lb (4535.9 kg)   | 30095  | \$575.00             |  |
| 15,000 lb (6803.9 kg)   | 30096  | \$575.00             |  |
| 20,000 lb (9071.9 kg)   | 30097  | \$575.00             |  |
| 25,000 lb (11,339.8 kg) | 30098  | \$575.00             |  |
| 50,000 lb (22,679.6kg)  | 30099  | \$825.00             |  |
| 75,000 lb (34,019.5 kg) | 30100  | \$825.00             |  |

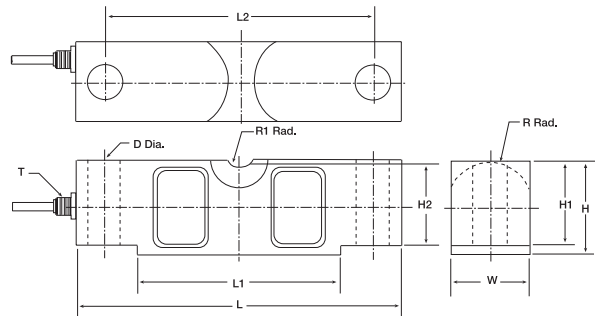
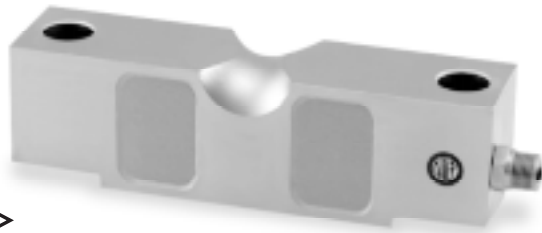
| INTERCHANGEABLE PRODUCTS   |                        |
|----------------------------|------------------------|
| Manufacturer               | Model                  |
| Rice Lake Weighing Systems | (see page 134) RL75016 |
| Sensortronics              | (see page 283) 65016   |
| Revere                     | 5203                   |

| WEIGH MODULE AVAILABLE |        |
|------------------------|--------|
| Model                  | Page # |
| RL1600 Series          | 58-64  |

NOTE: 75,000 lb capacity has a square center

# CLB Double-Ended Beam, Alloy Steel

## NTEP 1:10,000 Class IIIL Multiple Cell, IP67



| RATED<br>CAPACITY     | DIMENSIONS |       |       |      |      |      |      |      |      |      |           |
|-----------------------|------------|-------|-------|------|------|------|------|------|------|------|-----------|
|                       | L          | L1    | L2    | W    | H    | H1   | H2   | D    | R    | R1   | T         |
| <b>lb/inches</b>      |            |       |       |      |      |      |      |      |      |      |           |
| 20,000-25,000         | 7.75       | 4.99  | 6.50  | 1.69 | 1.94 | 1.70 | 1.63 | .68  | .90  | .75  | 1/4-18NPT |
| 40,000                | 10.25      | 6.39  | 8.50  | 1.94 | 2.44 | 2.10 | 2.00 | .81  | 1.12 | 1.00 | 1/4-18NPT |
| 50,000-75,000         | 10.25      | 6.39  | 8.50  | 2.44 | 2.94 | 2.65 | 2.54 | 1.06 | 1.37 | 1.00 | 1/2-14NPT |
| 100,000-125,000       | 15.25      | 8.99  | 12.75 | 2.90 | 3.86 | 2.43 | 3.30 | 1.62 | 1.80 | 1.50 | 1/2-14NPT |
| <b>kg/millimeters</b> |            |       |       |      |      |      |      |      |      |      |           |
| 9072.0-11,340.0       | 196.9      | 126.7 | 165.1 | 42.9 | 49.3 | 43.2 | 41.4 | 17.3 | 22.9 | 19.1 | 1/4-18NPT |
| 18,144.0              | 260.4      | 162.3 | 215.9 | 49.3 | 62.0 | 53.3 | 50.8 | 20.6 | 28.5 | 25.4 | 1/4-18NPT |
| 22,680.0-34,020.0     | 260.4      | 162.3 | 215.9 | 62.0 | 74.7 | 67.3 | 64.5 | 26.9 | 34.8 | 25.4 | 1/2-14NPT |
| 45,360.0-56,700.0     | 387.4      | 228.4 | 323.9 | 73.7 | 98.0 | 87.1 | 83.8 | 41.2 | 45.7 | 38.1 | 1/2-14NPT |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
 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: 10V AC/DC (15V maximum)  
 Combined Error: 0.025%  
 Insulation Resistance: 5000 megohms

Seal Type: Environmentally sealed, IP67  
 Cable Length: 25'/7.6m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 1 year

### CLB ORDER INFORMATION

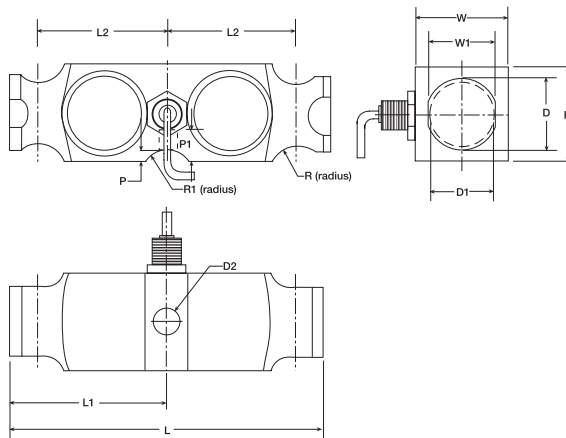
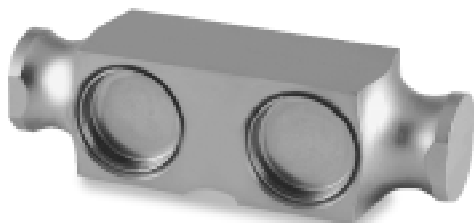
| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 20,000 lb (9071.9 kg) .....    | 46675 ..... | \$610.00             |
| 25,000 lb (11,339.8 kg) .....  | 46676 ..... | \$625.00             |
| 40,000 lb (18,144.0 kg) .....  | 46677 ..... | \$745.00             |
| 50,000 lb (22,679.6 kg) .....  | 46678 ..... | \$810.00             |
| 60,000 lb (27,216.0 kg) .....  | 46679 ..... | \$810.00             |
| 75,000 lb (34,019.5 kg) .....  | 46680 ..... | \$810.00             |
| 100,000 lb (45,360.0 kg) ..... | 46681 ..... | \$1,475.00           |
| 125,000 lb (56,700.0 kg) ..... | 46682 ..... | \$1,475.00           |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                  |
|----------------------------------|------------------------|
| Rice Lake Weighing Systems ..... | (see page 137) RL75058 |
| Sensortronics .....              | (see page 286) 65068   |
| Tedea .....                      | (see page 311) 4158    |

# HED Double-Ended Beam, Alloy Steel

## Welded Seal, IP67, NTEP 1:10,000 Class IIIL Multiple Cell



| RATED CAPACITY        | L     | L1    | L2    | W    | WI   | H    | D    | D1   | P   | P1   | R    | R1   | T         |
|-----------------------|-------|-------|-------|------|------|------|------|------|-----|------|------|------|-----------|
| <b>lb/inches</b>      |       |       |       |      |      |      |      |      |     |      |      |      |           |
| 50,000-100,000        | 10.25 | 5.13  | 4.25  | 3.00 | 2.20 | 3.00 | 2.40 | 2.06 | .28 | .96  | 1.00 | 1.00 | 1/2-14NPT |
| <b>kg/millimeters</b> |       |       |       |      |      |      |      |      |     |      |      |      |           |
| 22,680.0-45,360.0     | 260.4 | 130.2 | 107.9 | 76.2 | 55.9 | 76.2 | 61.0 | 52.3 | 7.1 | 24.4 | 25.4 | 25.4 | 1/2-14NPT |

### SPECIFICATIONS:

|                    |                                                                                                    |                        |                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                                                                           | Combined Error:        | 0.025% Full Scale                                                                                  |
| Bridge Resistance: | 700 ohms, nominal                                                                                  | Insulation Resistance: | 5000 Ohms                                                                                          |
| Material/Finish:   | High-alloy steel, nickel plated                                                                    | Deflection at Cap:     | <0.4 mm                                                                                            |
| Temperature:       | Operating range<br>-4°F to 140°F/-20°C to 60°C<br>Compensated range<br>14°F to 104°F/-10°C to 40°C | Seal Type:             | Welded seal, IP67                                                                                  |
|                    |                                                                                                    | Cable Length:          | 50'/15.2m                                                                                          |
| Safe Overload:     | 150% Full scale                                                                                    | Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal |
| Rated Excitation:  | 10V AC/DC (20V maximum)                                                                            | Warranty:              | 1 year                                                                                             |
| Non-Repeatability: | 0.02% Full Scal                                                                                    |                        |                                                                                                    |

### HED ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 50,000 lb (22,679.6 kg) .....  | 46691 ..... | \$850.00             |
| 65,000 lb (29,484.0 kg) .....  | 46692 ..... | \$850.00             |
| 100,000 lb (45,360.0 kg) ..... | 46693 ..... | \$1,165.00           |

### INTERCHANGEABLE PRODUCTS

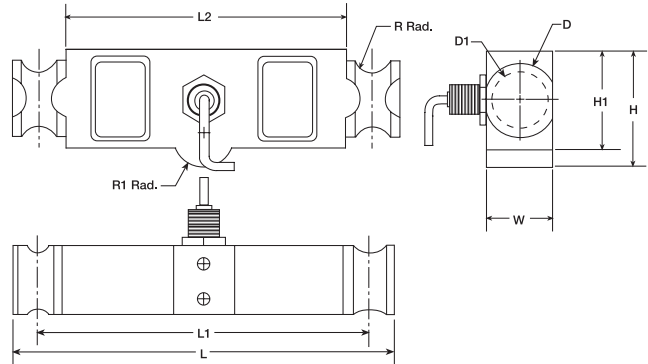
| Manufacturer                     | Model                  |
|----------------------------------|------------------------|
| Rice Lake Weighing Systems ..... | (see page 139) RL75223 |
| Revere Transducers .....         | (see page 248) 5223    |
| Thurman .....                    | TSC 800                |

### WEIGH MODULE AVAILABLE

| Model           | Page # |
|-----------------|--------|
| Translink ..... | 78     |

# DLB Double-Ended Beam, Alloy Steel

## NTEP 1:10,000 Class IIIL Multiple Cell, IP67



| RATED<br>CAPACITY     | DIMENSIONS |       |       |      |       |      |      |      |      |      |
|-----------------------|------------|-------|-------|------|-------|------|------|------|------|------|
|                       | L          | L1    | L2    | W    | H     | H1   | D    | D1   | R    | R1   |
| <b>lb/inches</b>      |            |       |       |      |       |      |      |      |      |      |
| 25,000-40,000         | 8.25       | 7.25  | 6.25  | 1.94 | 2.97  | 2.44 | 2.00 | 1.63 | .50  | .50  |
| 50,000-75,000         | 11.50      | 10.00 | 8.50  | 1.94 | 3.47  | 2.94 | 2.20 | 1.70 | .75  | 1.00 |
| 100,000-125,000       | 14.50      | 12.50 | 10.5  | 2.90 | 4.68  | 3.86 | 3.20 | 2.44 | 1.00 | 1.50 |
| <b>kg/millimeters</b> |            |       |       |      |       |      |      |      |      |      |
| 11,339.8-18,144.0     | 209.6      | 184.2 | 158.8 | 49.3 | 75.5  | 62.0 | 50.8 | 41.4 | 12.7 | 12.7 |
| 22,679.6-34,019.5     | 292.1      | 254.0 | 215.9 | 49.3 | 88.2  | 74.7 | 55.9 | 43.2 | 19.1 | 25.4 |
| 45,360.0-56,700.0     | 368.3      | 317.5 | 266.7 | 73.7 | 118.9 | 98.0 | 81.3 | 62.0 | 25.4 | 38.1 |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
 Bridge Resistance: 700 ohms, nominal  
 Material/Finish: High-alloy steel, nickel plated  
 Temperature: Operating range  
 -4°F to 140°F/-20°C to 60°C  
 Compensated range  
 14°F to 104°F/-10°C to 40°C  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V AC/DC (15V maximum)  
 Combined Error: 0.025% Full Scale

Insulation Resistance: 5000 megohms  
 Seal Type: Environmentally protected, IP67  
 Cable Length: 25'/7.6m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 1 year

### DLB ORDER INFORMATION

| Load Rating              | Part # | Suggested List Price |
|--------------------------|--------|----------------------|
| 25,000 lb (11,339.8 kg)  | 46684  | \$615.00             |
| 40,000 lb (18,144.0 kg)  | 46685  | \$740.00             |
| 50,000 lb (22,679.6 kg)  | 46686  | \$825.00             |
| 60,000 lb (27,216.0 kg)  | 46687  | \$825.00             |
| 75,000 lb (34,019.5 kg)  | 46688  | \$825.00             |
| 100,000 lb (45,360.0 kg) | 46689  | \$1,475.00           |
| 125,000 lb (56,700.0 kg) | 46690  | \$1,475.00           |

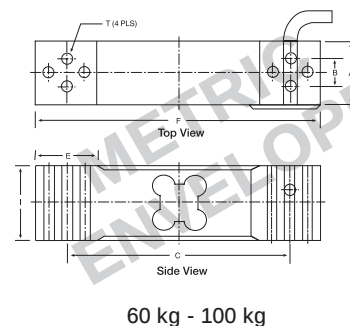
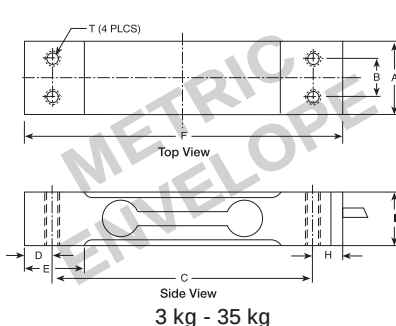
### INTERCHANGEABLE PRODUCTS

| Manufacturer               | Model                   |
|----------------------------|-------------------------|
| Rice Lake Weighing Systems | (see page 140) RL75040A |
| Sensortronics              | (see page 289) 65040A   |
| Thurman                    | TSC 840                 |



# LPS Single Point, Aluminum

## NTEP 1:5000 Class III Single Cell



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |       |      |      |         |
|-----------------------|------------|------|------|------|------|-------|------|------|---------|
|                       | A          | B    | C    | D    | E    | F     | H    | I    | T       |
| <b>kg/millimeters</b> |            |      |      |      |      |       |      |      |         |
| 3                     | 15.0       | 7.0  | 106  | 6.0  | 12.0 | 70.0  | 6.0  | 22.0 | M3 THRU |
| 6-20                  | 30.0       | 15.0 | 106  | 12.0 | 25.0 | 130.0 | 12.0 | 22.0 | M6 THRU |
| 30-35                 | 40.0       | 15.0 | 106  | 12.0 | 25.0 | 130.0 | 12.0 | 22.0 | M6 THRU |
| 60-100                | 35.0       | 15.0 | 117  | N/A  | 33.0 | 150.0 | N/A  | 40.0 | M6 THRU |
| <b>lb/inches</b>      |            |      |      |      |      |       |      |      |         |
| 6.6                   | 0.59       | 0.28 | 4.17 | 0.24 | 0.47 | 2.76  | 0.24 | 0.87 | M3 THRU |
| 13.2-44.1             | 1.18       | 0.59 | 4.17 | 0.47 | 0.98 | 5.12  | 0.47 | 0.87 | M6 THRU |
| 66.2-77.2             | 1.57       | 0.59 | 4.17 | 0.47 | 0.98 | 5.12  | 0.47 | 0.87 | M6 THRU |
| 132.3-220.5           | 1.38       | 0.59 | 4.61 | N/A  | 1.30 | 5.91  | N/A  | 1.57 | M6 THRU |

### SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         |
| Bridge Resistance: | 350 ohms, nominal                                |
| Material/Finish:   | Aluminum                                         |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Safe Overload:     | 150% Full scale                                  |
| Rated Excitation:  | 10V AC/DC (15V maximum)                          |
| Combined Error:    | 0.25% Full scale                                 |
| Non-Repeatability: | 0.02%                                            |

|                        |                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------|
| Insulation Resistance: | 2000 megohms                                                                                    |
| Seal Type:             | Environmentally protected                                                                       |
| Cable Length:          | 450mm/17.8"                                                                                     |
| Cable Color Code:      | Red ..... + Excitation<br>Blue ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 1 year                                                                                          |

### LPS ORDER INFORMATION

| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| <b>NTEP 1:5000</b>      |             |                      |
| 3 kg (6.6 lb) .....     | 41822 ..... | \$130.00             |
| 6 kg (13.2 lb) .....    | 41823 ..... | \$130.00             |
| 10 kg (22.0 lb) .....   | 41824 ..... | \$130.00             |
| 15 kg (33.1 lb) .....   | 41825 ..... | \$130.00             |
| 20 kg (44.1 lb) .....   | 41826 ..... | \$130.00             |
| <b>Non-NTEP</b>         |             |                      |
| 3 kg (6.6 lb) .....     | 30143 ..... | \$120.00             |
| 10 kg (22.0 lb) .....   | 30145 ..... | \$120.00             |
| 15 kg (33.1 lb) .....   | 30146 ..... | \$120.00             |
| 20 kg (44.1 lb) .....   | 30147 ..... | \$120.00             |
| 30 kg (66.2 lb) .....   | 46502 ..... | \$120.00             |
| 35 kg (77.2 lb) .....   | 30148 ..... | \$120.00             |
| 60 kg (132.3 lb) .....  | 41149 ..... | \$120.00             |
| 100 kg (220.5 lb) ..... | 41150 ..... | \$120.00             |

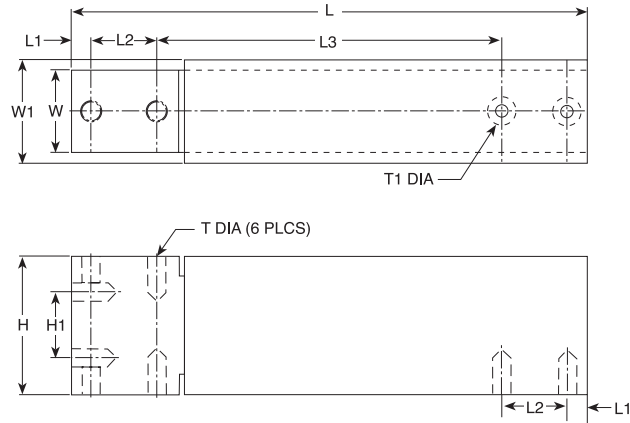
### INTERCHANGEABLE PRODUCT INFORMATION

| Manufacturer                     | Model                     |
|----------------------------------|---------------------------|
| Rice Lake Weighing Systems ..... | (see page 144) RL1521     |
| BLH® .....                       | C2G1                      |
| Fairbanks® .....                 | 4900 Series Checkweighers |
| NMB® .....                       | C2G1                      |
| Tedea-Huntleigh .....            | (see page 312) 1022       |

BLH is a registered trademark of BLH Electronics  
Fairbanks is a registered trademark of Fairbanks Scales  
NMB is a registered trademark of NMB Technologies Inc.

# LOC Single Point, Aluminum

## NTEP 1:5000 Class III Single Cell



| RATED<br>CAPACITY     | DIMENSIONS |      |       |     |      |       |            |            |      |      |
|-----------------------|------------|------|-------|-----|------|-------|------------|------------|------|------|
|                       | H          | H1   | L     | L1  | L2   | L3    | T          | T1         | W    | W1   |
| <b>kg/millimeters</b> |            |      |       |     |      |       |            |            |      |      |
| 5-100                 | 40.0       | 19.0 | 150.0 | 6.0 | 19.0 | 100.0 | 1/4-20 UNC | 1/4-28 UNF | 30.0 | 25.0 |
| <b>lb/inches</b>      |            |      |       |     |      |       |            |            |      |      |
| 11.0-220.5            | 1.57       | .75  | 5.91  | .24 | .75  | 3.94  | 1/4-20 UNC | 1/4-28 UNF | 1.18 | 1.00 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: Aluminum  
 Temperature: Compensated range  
 14°F to 104°F/-10°C to 40°C  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V AC/DC (15V maximum)  
 Combined Error: 0.25% Full scale

Non-repeatability: 0.02%  
 Insulation Resistance: 2000 megohms  
 Seal Type: Environmentally protected  
 Cable Length: 1m/3.3'  
 Cable Color Code:  
 Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 1 year

### LOC ORDER INFORMATION

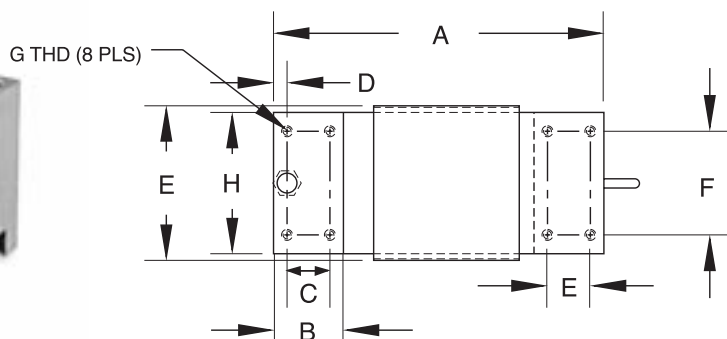
| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| <b>NTEP 1:5000</b>      |             |                      |
| 5 kg (11 lb) .....      | 39810 ..... | \$175.00             |
| 7 kg (15.4 lb) .....    | 39809 ..... | \$175.00             |
| 10 kg (22.0 lb) .....   | 39808 ..... | \$175.00             |
| 15 kg (33.1 lb) .....   | 39807 ..... | \$175.00             |
| 20 kg (44.1 lb) .....   | 39806 ..... | \$175.00             |
| 30 kg (66.1 lb) .....   | 39805 ..... | \$175.00             |
| 50 kg (110.2 lb) .....  | 39804 ..... | \$175.00             |
| 100 kg (220.5 lb) ..... | 39803 ..... | \$175.00             |
| <b>Non-NTEP</b>         |             |                      |
| 5 kg (11 lb) .....      | 30134 ..... | \$150.00             |
| 7 kg (15.4 lb) .....    | 30135 ..... | \$150.00             |
| 10 kg (22.0 lb) .....   | 30136 ..... | \$150.00             |
| 15 kg (33.1 lb) .....   | 30137 ..... | \$150.00             |
| 20 kg (44.1 lb) .....   | 30138 ..... | \$150.00             |
| 30 kg (66.1 lb) .....   | 30139 ..... | \$150.00             |
| 50 kg (110.2 lb) .....  | 30140 ..... | \$150.00             |
| 100 kg (220.5 lb) ..... | 30141 ..... | \$150.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 149) RL1040 |
| Rice Lake Weighing Systems ..... | (see page 148) RL1042 |
| Revere Transducers .....         | (see page 260) 642    |
| Tedea-Huntleigh .....            | (see page 316) 1040   |
| Tedea-Huntleigh .....            | (see page 315) 1042   |
| HBM .....                        | (see page 224) SP4    |

# LOC Single Point, Aluminum, Heavy Capacity

## NTEP 1:5000 Class III Single Cell



| RATED CAPACITY        | DIMENSIONS |   |      |      |      |      |                      |      |
|-----------------------|------------|---|------|------|------|------|----------------------|------|
|                       | A          | B | C    | D    | E    | F    | G                    | H    |
| <b>kg/millimeters</b> |            |   |      |      |      |      |                      |      |
| 100 - 500             | 191.0      | – | 25.0 | 11.0 | 82.0 | 60.0 | 5/16-18UNC X 20 DP   | 75.0 |
| <b>lb/inches</b>      |            |   |      |      |      |      |                      |      |
| 220.5 -1102.5         | 7.52       | – | .98  | .31  | 3.23 | 2.36 | 5/16-18UNC X 0.59 DP | 2.95 |

### SPECIFICATIONS:

|                    |                                                              |                        |                                                                                                                                             |
|--------------------|--------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                                     | Insulation Resistance: | 5000 megohms                                                                                                                                |
| Bridge Resistance: | 350 ohms, nominal                                            | Seal Type:             | Environmentally protected                                                                                                                   |
| Material/Finish:   | Aluminum                                                     | Cable Length:          | 100 kg = 1m/3.3'<br>150-500 kg & 100 -500 kg = 2m/6.6'                                                                                      |
| Temperature:       | Compensated temperature range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:      | Green ... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown ... - Sense<br>Red ..... + Signal<br>White ..... - Signal |
| Safe Overload:     | 150% Full scale                                              | Warranty:              | 1 year                                                                                                                                      |
| Rated Excitation:  | 10V DC (15V maximum)                                         |                        |                                                                                                                                             |
| Combined Error:    | 0.025% Full scale                                            |                        |                                                                                                                                             |
| Non-Repeatability: | 0.02%                                                        |                        |                                                                                                                                             |

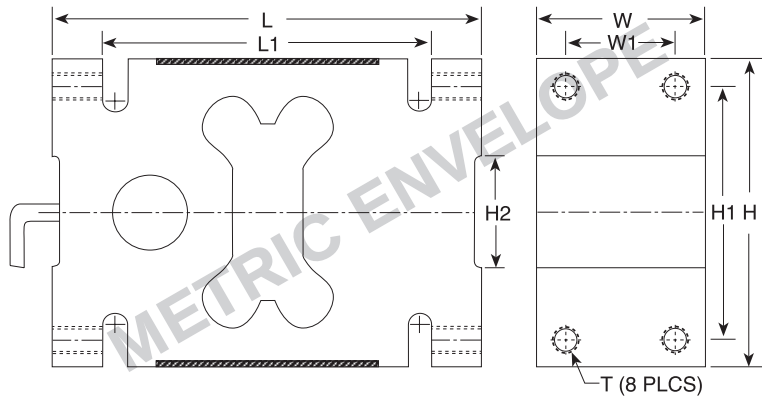
### LOC ORDER INFORMATION

| Load Rating              | Part #      | Suggested List Price |
|--------------------------|-------------|----------------------|
| 100 kg (220.5 lb) .....  | 39797 ..... | \$295.00             |
| 150 kg (330.7 lb) .....  | 39796 ..... | \$295.00             |
| 250 kg (551.2 lb) .....  | 39795 ..... | \$295.00             |
| 300 kg (661.4 lb) .....  | 39794 ..... | \$295.00             |
| 500 kg (1102.3 lb) ..... | 39793 ..... | \$295.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 154) RL1250 |
| Tedea-Huntleigh .....            | (see page 322) 1250   |
| Revere .....                     | (see page 261) 652    |
| Flintec .....                    | (see page 205) PCB    |

# HOC Single Point, Aluminum



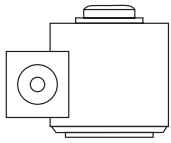
| RATED<br>CAPACITY     | DIMENSIONS |      |      |       |       |          |      |      |
|-----------------------|------------|------|------|-------|-------|----------|------|------|
|                       | H          | H1   | H2   | L     | L1    | T        | W    | W1   |
| <b>kg/millimeters</b> |            |      |      |       |       |          |      |      |
| 750-2000              | 126.0      | 95.0 | 45.0 | 176.0 | 135.0 | M16X2-6H | 76.0 | 46.0 |
| <b>lb/inches</b>      |            |      |      |       |       |          |      |      |
| 1653.8-4409.2         | 4.96       | 3.74 | 1.77 | 6.93  | 5.31  | M16X2-6H | 2.99 | 1.81 |

## SPECIFICATIONS:

|                        |                                                  |                   |                                                                                                                                             |
|------------------------|--------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                         | Seal Type:        | Environmentally protected, potted                                                                                                           |
| Bridge Resistance:     | 350 ohms, nominal                                | Cable Length:     | 6m/19.7'                                                                                                                                    |
| Material/Finish:       | Anodized aluminum                                | Cable Color Code: | Green ... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown ... - Sense<br>Red ..... + Signal<br>White ..... - Signal |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C | Warranty:         | 1 year                                                                                                                                      |
| Safe Overload:         | 150% Full scale                                  |                   |                                                                                                                                             |
| Rated Excitation:      | 10V AC/DC (15V maximum)                          |                   |                                                                                                                                             |
| Total Error:           | 0.02% Full scale                                 |                   |                                                                                                                                             |
| Insulation Resistance: | 5000 megohms                                     |                   |                                                                                                                                             |

| HOC ORDER INFORMATION     |             |                      |  |
|---------------------------|-------------|----------------------|--|
| Load Rating               | Part #      | Suggested List Price |  |
| 750 kg (1653.8 lb) .....  | 42117 ..... | \$400.00             |  |
| 1000 kg (2205.0 lb) ..... | 42118 ..... | \$400.00             |  |
| 2000 kg (4410.0 lb) ..... | 42119 ..... | \$400.00             |  |

| INTERCHANGEABLE PRODUCTS |                     |
|--------------------------|---------------------|
| Manufacturer             | Model               |
| Tedea-Huntleigh .....    | (see page 323) 1320 |

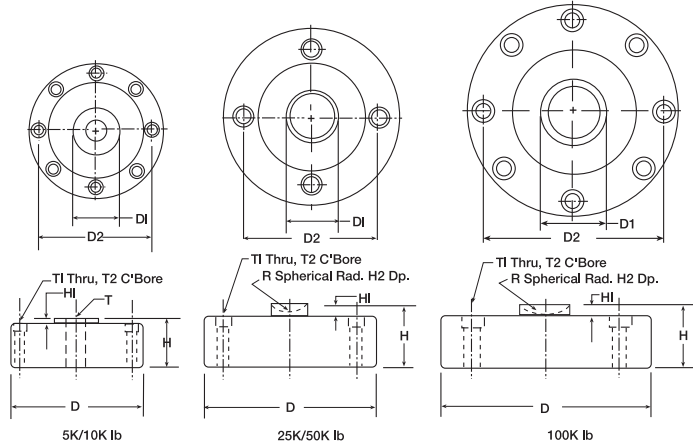


## LCD Compression\* Disk, Alloy Steel

**NEW  
PRODUCT**



25,000 lb model shown. Load cup sold separately on 5,000 and 10,000 lb models.



| RATED<br>CAPACITY     | DIMENSIONS    |      |       |       |      |      |      |      |                |
|-----------------------|---------------|------|-------|-------|------|------|------|------|----------------|
|                       | T             | R    | D     | D2    | H    | H1   | H2   | T1   | T2             |
| <b>lb/inches</b>      |               |      |       |       |      |      |      |      |                |
| 5,000-10,000          | 5/8-18 UNF-3B | —    | 4.12  | 3.50  | 1.37 | .12  | —    | .28  | .406 x .283 DP |
| 25,000-50,000         | —             | .875 | 4.75  | 4.00  | 2.12 | .50  | .30  | .34  | .508 x .38 DP  |
| 100,000               | —             | .875 | 5.50  | 4.60  | 2.25 | .25  | .30  | .41  | .626 x .4 DP   |
| <b>kg/millimeters</b> |               |      |       |       |      |      |      |      |                |
| 2268.0*-4539.9*       | 5/8-18 UNF-3B | —    | 104.6 | 34.8  | 34.8 | 3.05 | 7.6  | 7.2  | 10.3 x 7.2 DP  |
| 11,339.8-22,679.7     | —             | 22.2 | 120.7 | 101.6 | 53.8 | 12.7 | 12.7 | 8.7  | 12.9 x 9.7 DP  |
| 45,359.4              | —             | 22.2 | 139.7 | 116.8 | 57.2 | 6.4  | 7.6  | 10.3 | 10.3 x 10.2 DP |

### SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 4.0 mV/V                                         |
| Bridge Resistance: | 350 ohms (100,000lb=700 ohms), nominal           |
| Material/Finish:   | High-alloy steel, nickel plated                  |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Safe Overload:     | 150% Full scale                                  |
| Rated Excitation:  | 15V DC (25V maximum)                             |
| Nonlinearity       | 0.05% Full scale                                 |

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Hysteresis:            | 0.02% Full scale                                                                                 |
| Insulation Resistance: | 2000 megohms                                                                                     |
| Seal Type:             | Environmentally protected                                                                        |
| Cable Length:          | 50'/15.2m                                                                                        |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                          |

### LCD ORDER INFORMATION

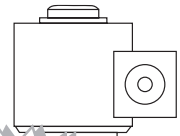
| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 5000 lb* (2268.0 kg) .....     | 41966 ..... | \$600.00             |
| 10,000 lb* (4535.9 kg) .....   | 41967 ..... | \$600.00             |
| 25,000 lb (11,339.8 kg) .....  | 41968 ..... | \$775.00             |
| 50,000 lb (22,679.7 kg) .....  | 41969 ..... | \$775.00             |
| 100,000 lb (45,359.4 kg) ..... | 41970 ..... | \$920.00             |
| Load Cup* .....                | 33616 ..... | \$35.00              |

\* 5000 lb and 10,000 lb models can be used in compression and tension load applications. Load cup, Part #33616, is required for compression applications.

### INTERCHANGEABLE PRODUCTS

| Manufacturer     | Model |
|------------------|-------|
| Celtron .....    | LCD   |
| Interface® ..... | 1121  |

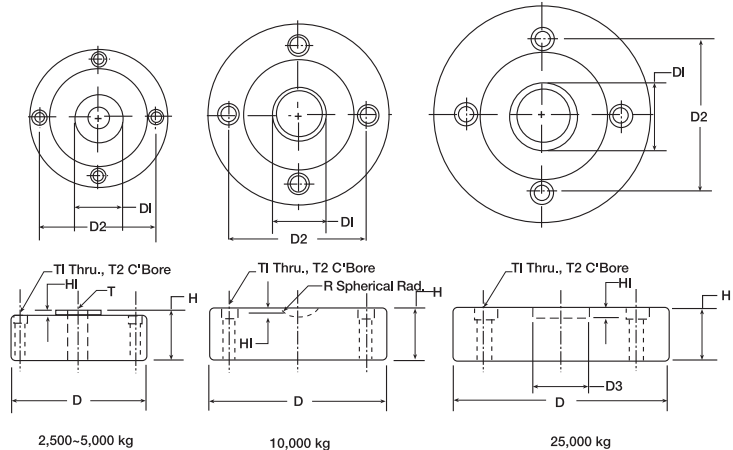
Interface is a registered trademark of Interface Inc.



# PSD Compression\* Disk, Alloy Steel

## OIML, C3

**NEW  
PRODUCT**



### RATED CAPACITY

**kg/millimeters**  
2500-5,000  
10,000  
25,000

**T**

**R**

**D**

**D1**

**D2**

### DIMENSIONS

**D3**

**H**

**H1**

**T1**

**T2**

|           |      |       |      |       |      |      |      |      |               |
|-----------|------|-------|------|-------|------|------|------|------|---------------|
| M16 x 1.5 | —    | 104.7 | 32.0 | 88.9  | —    | 34.8 | 3.05 | 7.2  | 10.5 X 7.2DP  |
| —         | 22.2 | 138.0 | 38.9 | 106.4 | —    | 41.1 | 7.62 | 8.7  | 13.5 X 9.7DP  |
| —         | —    | 165.0 | 50.4 | 116.8 | 42.0 | 41.1 | 8.0  | 10.3 | 0.63 X 0.40DP |

### SPECIFICATIONS:

|                    |                                                  |                        |                                                                                                  |
|--------------------|--------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                         | Hysteresis:            | 0.02% Full scale                                                                                 |
| Bridge Resistance: | 350 ohms, nominal                                | Insulation Resistance: | 2000 megohms                                                                                     |
| Material/Finish:   | High-alloy steel, nickel plated                  | Seal Type:             | Environmentally protected                                                                        |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Length:          | 50'/15.2m                                                                                        |
| Safe Overload:     | 150% Full scale                                  | Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Rated Excitation:  | 10V DC (15V maximum)                             | Warranty:              | 2 years                                                                                          |
| Nonlinearity       | 0.05% Full scale                                 |                        |                                                                                                  |

### PSD ORDER INFORMATION

| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| 2500 kg* (5512 lb) .....    | 46670 ..... | \$700.00             |
| 5000 kg* (11,023 lb) .....  | 46671 ..... | \$700.00             |
| 10,000 kg (22,046 lb) ..... | 46672 ..... | \$875.00             |
| 25,000 kg (55,116 lb) ..... | 46673 ..... | \$875.00             |
| Load Cup* .....             | 33616 ..... | \$35.00              |

\* 2500 kg and 5000 kg models can be used in compression and tension load applications.

## S-Beams

UB1, Stainless Steel ..... Page 196



The UB1 stainless steel S-beam is designed for single- or multiple-cell tension load applications. Millivolt/volt/ohm factory calibration assures matched outputs for easy calibration in multiple-cell applications. It features true hermetic sealing of both the strain gauge area and the cable entry, providing the ultimate in protection from outside elements. Exclusive 20' (6.1m) field-replaceable load cell cable simplifies cable and load cell repairs. Capacities from 1125 to 11,250 lb (1 kN to 50 kN/102.1 to 5102.9 kg).



UB6, Stainless Steel ..... Page 197



The UB6 stainless steel S-beam is designed to meet the most stringent accuracy requirements. Exclusive 10' (3.1m) field-replaceable load cell cable simplifies cable and load cell repairs. Capacities from 225 to 1125 lb (1kN to 5kN/102.1 to 510.3 kg).



## Single-Ended Beams

SLB, Stainless Steel ..... Page 198



This stainless steel single-ended beam has one of the highest NTEP ratings in the industry. A new generation of potting makes this cell suitable for tough industrial environments. Capacities from 200 to 5000 lb (440.0 to 2268 kg). Complete with 10' (3.1m) of load cell cable.



SB4, Stainless Steel ..... Page 199



The SB4 stainless steel single-ended beam is designed for multiple-cell applications such as floor scales and tank, bin and hopper weighing systems. It is used exclusively in Rice Lake Weighing Systems' Paramounts® HS mounting systems. Millivolt/volt/ohm factory calibration assures matched outputs for easy calibration. It features true hermetic sealing of both the strain gauge area and the cable entry, providing the ultimate in protection from outside elements. Exclusive field-replaceable load cell cable simplifies cable and load cell repairs. NTEP-certified capacities from 1125 to 22,500 lb (5 kN to 100 kN/510.3 to 10,205.8 kg).



SB5, Stainless Steel ..... Page 200



The SB5 stainless steel single-ended beam is designed for multiple-cell applications such as floor scales and tank, bin and hopper weighing systems. It is used exclusively in Rice Lake Weighing Systems' Paramounts® EP mounting systems. Millivolt/volt/ohm factory calibration assures matched outputs for easy calibration. NTEP-certified capacities from 1125 to 11,250 lb (5 kN to 50 kN/510.3 to 5102.9 kg); Non-NTEP capacity of 22,500 lb (100 kN/ 10,202.5 kg).



## Single-Ended Beams (Continued)

SB6, Stainless Steel ..... Page 201



The SB6 load cell is a stainless steel, fully hermetically-sealed single-ended beam suitable for the harshest environments. The special loading hole provides an excellent price-to-performance ratio; it also allows a very low-profile design. Capacities from 20 to 200 kg (44.1 to 441.0 lb). Complete with 10' (3.1m) of load cell cable.



SB10, Stainless Steel ..... Page 202



The SB10 load cell is used in the 1kN and 2.3kN Paramount assemblies. This stainless steel, hermetically-sealed load cell provides full IP68 sealing protection for the harshest environments. Ideal for use in multiple cell floor scale, tank and hopper applications. The unique millivolt/volt/ohm factory calibration assures matched outputs for easy field replacement and calibrations. The capacities of this model are 225 and 520 lb (1 and 2.5 kN). Each unit is supplied complete with 10' (3.1m) of load cell cable.



SB14, Stainless Steel ..... Page 203



The SB14 load cell is a stainless steel, fully hermetically-sealed single-ended beam suitable for the harshest environments. Capacities from 1000 to 5000 kg (2205.0 to 11,025 lb). Complete with 10' (3.1m) load cell cable.



## Compression Canisters

RC1, Stainless Steel ..... Page 204



The RC1 load cell offers stainless steel and real hermetic sealing, making these cells suitable for use in tough industrial environments. Exclusive field-replaceable load cell cable simplifies cable and load cell repairs. Capacities of 56,000 and 90,000 lb (250 kN and 400 kN/25,401.6 and 40,824.0 kg). Each unit is supplied complete with 32' (9.8m)





## Single Points

PCB Stainless Steel ..... Featured Products Section Page7, Page 205

PC1, Stainless Steel ..... Page 206



The PC1 load cells offer stainless steel and environmentally protected seal, making these cells suitable for use in tough industrial environments. Capacities from 15 to 200 kg (33.1 to 441.0 lb).



PC2, Stainless Steel ..... Page 207



This high-accuracy stainless steel single-point load cell is an ideal replacement cell for hopper applications where damaged bellows are a problem. This cell also features complete hermetic sealing, making it suitable for use in the toughest environments. This product is offered at 150 lb (68.0 kg), and comes complete with 10' (3.1m) of load cell cable.



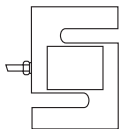
PC6, Stainless Steel ..... Page 208



The PC6 load cells offer stainless steel and real hermetic sealing, making these cells suitable for use in tough industrial environments. Exclusive 1m (3.3') field-replaceable load cell cable simplifies cable and load cell repairs. Capacities from 20 to 100 kg (44.1 to 220.5 lb).

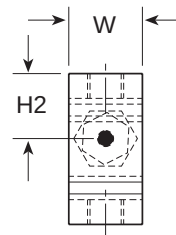
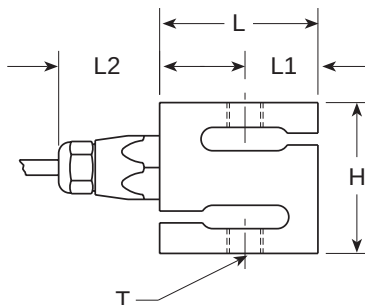


ZLB Aluminum ..... Featured Products Section Page 5, Page 209



# FLINTEC

## UB1 S-Beam, Stainless Steel Hermetically Sealed IP68



| RATED CAPACITY |                | H     | H2   | DIMENSIONS |      |      | T*         | W    |
|----------------|----------------|-------|------|------------|------|------|------------|------|
| lb/inches      |                |       |      | L          | L1   | L2   |            |      |
| 225-1125       | (1 kN-5 kN*)   | 2.42  | 1.04 | 2.42       | 1.05 | 1.60 | 1/2-20 UNF | 1.18 |
| 2250-5200      | (10 kN-23 kN*) | 3.62  | 1.81 | 3.38       | 1.69 | 1.60 | 5/8-18 UNF | 1.18 |
| 11,250         | (50 kN*)       | 5.37  | 2.68 | 5.62       | 2.81 | 1.60 | 1-12 UNF   | 1.69 |
| kg/millimeters |                |       |      |            |      |      |            |      |
| 102.1-510.3    | (1 kN-5 kN*)   | 61.5  | 26.4 | 61.5       | 26.7 | 40.6 | 1/2-20 UNF | 30.0 |
| 1020.6-2358.7  | (10 kN-23 kN*) | 92.0  | 46.0 | 85.9       | 42.9 | 40.6 | 5/8-18 UNF | 30.0 |
| 5102.9         | (50 kN*)       | 136.4 | 68.1 | 142.8      | 71.4 | 40.6 | 1-12 UNF   | 42.9 |

\* Also available with metric threads

### SPECIFICATIONS:

|                    |                                                  |                        |                                                                                                                        |
|--------------------|--------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V **                                      | Total Error:           | ±.03%                                                                                                                  |
| Bridge Resistance: | 1000 ohms, nominal                               | Insulation Resistance: | 10,000 megohms                                                                                                         |
| Material/Finish:   | Stainless steel                                  | Seal Type:             | Hermetically sealed, IP68                                                                                              |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Length:          | 20'/6.1m                                                                                                               |
| Safe Overload:     | 200% Full scale                                  | Cable Color Code:      | Green .... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Rated Excitation:  | 10V AC/DC (15V maximum)                          | Warranty:              | 1 year                                                                                                                 |
| Nonlinearity:      | 0 to -0.03% Full scale                           |                        |                                                                                                                        |
| Hysteresis:        | 0 to +0.05% Full scale                           |                        |                                                                                                                        |

### UB1 ORDER INFORMATION

| Load Rating                         | Part #                   | Suggested List Price |
|-------------------------------------|--------------------------|----------------------|
| 1125 lb (5 kN*) (510.3 kg) .....    | 17072 .....              | \$495.00             |
| 2250 lb (10 kN*) (1020.6 kg) .....  | 17073 .....              | \$595.00             |
| 5200 lb (23 kN*) (2358.7 kg) .....  | 17074 .....              | \$595.00             |
| 11,250 lb(50 kN*) (5102.9 kg) ..... | 17075 .....              | \$795.00             |
| Conduit Adapter .....               | 17703 (1/2-14 NPT) ..... | \$18.00              |

### WEIGH MODULE AVAILABLE

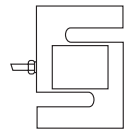
| Model                                                   | Page #        |
|---------------------------------------------------------|---------------|
| ITCM - Isolated Tension Cell Mount .....                | 27-29, or 335 |
| (225 lb, 520 lb, 1125 lb and 11,250 lb capacities only) |               |

\* kN = Kilonewtons, 1 kN = 224.8089 lb

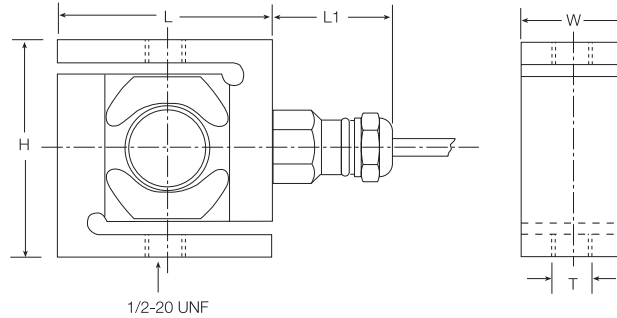
\*\* Matched outputs via mV/V/ohm calibration

See page 347 for information on Cable Replacement Kits.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171



## UB6 S-Beam, Stainless Steel Hermetically Sealed IP68, OIML C3



| RATED<br>CAPACITY                                 | H    | L    | DIMENSIONS<br>L1 | W    | T          |
|---------------------------------------------------|------|------|------------------|------|------------|
| <b>lb/inches</b><br>225-1125 (1 kN-5 kN*)         | 2.42 | 2.42 | 1.61             | 1.20 | 1/2-20 UNF |
| <b>kg/millimeters</b><br>102.1-510.3 (1 kN-5 kN*) | 61.5 | 61.5 | 41.0             | 30.0 | 1/2-20 UNF |

\* Also available with metric threads

### SPECIFICATIONS:

|                    |                                                  |                        |                                                                                                                        |
|--------------------|--------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V **                                      | Insulation Resistance: | 5,000 megohms                                                                                                          |
| Bridge Resistance: | 1000 ohms, nominal                               | Seal Type:             | Hermetically sealed, IP68                                                                                              |
| Material/Finish:   | Stainless steel                                  | Cable Length:          | 10'/3m                                                                                                                 |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:      | Green .... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Safe Overload:     | 200% Full scale                                  | Warranty:              | 1 year                                                                                                                 |
| Rated Excitation:  | 5V AC/DC (15V maximum)                           |                        |                                                                                                                        |
| Combined Error:    | 0.02% Full scale                                 |                        |                                                                                                                        |

### UB6 ORDER INFORMATION

| Load<br>Rating                   | Part #      | Suggested<br>List Price |
|----------------------------------|-------------|-------------------------|
| 225 lb (1 kN*) (102.1 kg) .....  | 36214 ..... | \$495.00                |
| 450 lb (2kN*) (204.1 kg) .....   | 36215 ..... | \$495.00                |
| 1125 lb (5 kN*) (510.3 kg) ..... | 36216 ..... | \$495.00                |

### WEIGH MODULE AVAILABLE

| Model                                            | Page #        |
|--------------------------------------------------|---------------|
| ITCM - Isolated Tension Cell Mount .....         | 27-29, or 335 |
| (225 lb, 520 lb, 1125 lb and lb capacities only) |               |

\* kN = Kilonewtons, 1 kN = 224.8089 lb



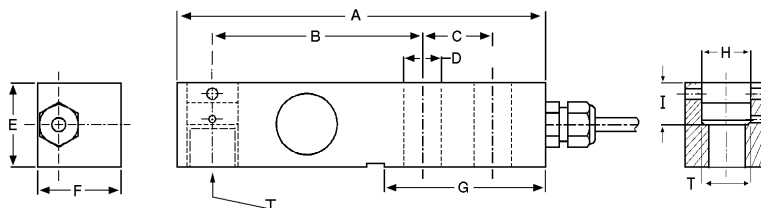
# FLINTEC

## SLB Single-Ended Beam, Stainless Steel

### NTEP, 1:4000 Class III Single Cell/1:7500 Class III Multiple Cell



APPROVED



#### RATED CAPACITY

kg/millimeters  
91-2268

A

B

C

D

#### DIMENSIONS

E

F

G

H

I

T

136.4

76.2

25.4

13.5

30.1

30.0

61.5

13.5

15.0

1/2-20 UNF

lb/inches

200-5000

5.25

3.00

1.00

.53

1.19

1.18

2.30

.53

.59

1/2-20 UNF

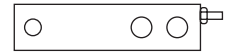
#### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 1000 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
14°F to 104°F/-10°C to 40°C  
Safe Overload: 200% Full scale  
Rated Excitation: 10V DC (15V maximum)  
Insulation Resistance: 5000 megohms  
Combined Error: 0.01% Full scale

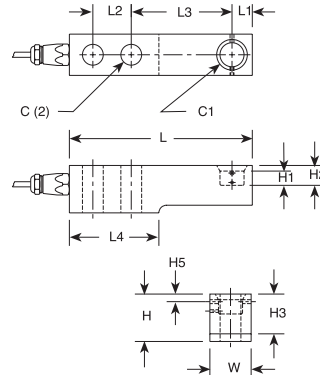
Seal Type: Environmentally protected  
Cable Length: 3m/10'  
Cable Color Code: Green .... + Excitation  
Black .... - Excitation  
White .... + Signal  
Red .... - Signal  
Yellow .... Shield  
Warranty: 1 year

#### SLB ORDER INFORMATION

| Load Rating              | Part #      | Suggested List Price |
|--------------------------|-------------|----------------------|
| 200 lb (440.9 kg) .....  | 64691 ..... | \$295.00             |
| 500 lb (226.8 kg) .....  | 41172 ..... | \$295.00             |
| 1000 lb (453.6 kg) ..... | 41173 ..... | \$295.00             |
| 2500 lb (1134 kg) .....  | 41174 ..... | \$295.00             |
| 5000 lb (2268 kg) .....  | 41175 ..... | \$295.00             |



## SB4 Single-Ended Beam, Stainless Steel Hermetically Sealed IP68, NTEP 1:3000 Class III Single Cell



1125 lb-22,500 lb  
(5 kN-100 kN\*)

| RATED CAPACITY |             | C    | C1   | H    | H1   | H2   | H3   | H5  | L     | L1   | L2   | L3    | L4    | W    |
|----------------|-------------|------|------|------|------|------|------|-----|-------|------|------|-------|-------|------|
| lb/inches      |             |      |      |      |      |      |      |     |       |      |      |       |       |      |
| 1125-5200      | (5-23 kN*)  | .53  | .71  | 1.42 | .39  | .59  | 1.19 | .16 | 6.10  | .59  | 1.38 | 3.15  | 2.98  | 1.18 |
| 11,250         | (50 kN*)    | .85  | .98  | 1.93 | .58  | .81  | 1.62 | .31 | 7.48  | .83  | 1.57 | 4.13  | 3.66  | 1.69 |
| 22,500         | (100 kN*)   | 1.06 | 1.18 | 2.87 | .82  | 1.21 | 2.43 | —   | 9.65  | 1.19 | 1.97 | 5.31  | 4.72  | 2.36 |
| kg/millimeters |             |      |      |      |      |      |      |     |       |      |      |       |       |      |
| 102.1-235.9    | (1-2.3 kN*) | —    | 8.6  | 30.0 | —    | 14.2 | 4.8  | 3.1 | 129.8 | 9.7  | 18.0 | 82.0  | 50.8  | 30.0 |
| 510.3-2358.7   | (5-23 kN*)  | 13.5 | 18.0 | 36.1 | 9.9  | 15.0 | 30.2 | 4.1 | 154.9 | 15.0 | 35.1 | 80.0  | 75.7  | 30.0 |
| 5102.9         | (50 kN*)    | 21.6 | 24.9 | 49.0 | 14.7 | 20.6 | 41.2 | 7.9 | 190.0 | 21.1 | 39.9 | 104.9 | 93.0  | 42.9 |
| 10,205.8       | (100 kN*)   | 26.9 | 30.0 | 72.9 | 20.8 | 30.7 | 61.7 | —   | 245.1 | 30.2 | 50.0 | 134.9 | 119.9 | 59.9 |

### SPECIFICATIONS:

|                                                       |                                                  |
|-------------------------------------------------------|--------------------------------------------------|
| Full Scale Output:                                    | 2.0 mV/V $\pm$ .07%**                            |
| Bridge Resistance:                                    | 1000 ohms, nominal                               |
| Material/Finish:                                      | Stainless steel                                  |
| Temperature:                                          | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Safe Overload:                                        | 200% Full scale                                  |
| Rated Excitation:                                     | 10V AC/DC (15V maximum)                          |
| Nonlinearity:                                         | 0 to -0.03% Full scale                           |
| Hysteresis:                                           | 0 to +0.05% Full scale                           |
| Combined Effect of<br>Nonlinearity and<br>Hysteresis: | $\pm$ .03% Full scale                            |

|                         |                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance:  | 10,000 megohms                                                                                                        |
| Deflection at Capacity: | 2250 lb = .012"/.3mm, 5200 lb = .02"/.5mm,<br>11,250 lb = .012"/.3mm, 22,500 lb = .016"/.4mm                          |
| Seal Type:              | Hermetically sealed, IP68                                                                                             |
| Cable Length:           | 225-5200 lb = 10'/3.1m<br>11,250- 22,500 lb = 15'/4.6m                                                                |
| Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Warranty:               | 1 year                                                                                                                |

### SB4 ORDER INFORMATION

| Load Rating                        | Part #      | Suggested List Price |
|------------------------------------|-------------|----------------------|
| <b>NTEP 1:3000:</b>                |             |                      |
| 1125 lb (5 kN*/510.3 kg) .....     | 26662 ..... | \$755.00             |
| 2250 lb (10 kN*/1020.6 kg) .....   | 26663 ..... | \$755.00             |
| 5200 lb (23 kN*/2358.7 kg) .....   | 26664 ..... | \$755.00             |
| 11,250 lb (50 kN*/5102.9 kg) ..... | 26665 ..... | \$895.00             |

|                                     |             |            |
|-------------------------------------|-------------|------------|
| <b>Non-NTEP:</b>                    |             |            |
| 1125 lb (5 kN*/510.3 kg) .....      | 17390 ..... | \$685.00   |
| 2250 lb (10 kN*/1020.6 kg) .....    | 17391 ..... | \$685.00   |
| 5200 lb (23 kN*/2358.7 kg) .....    | 17392 ..... | \$685.00   |
| 11,250 lb (50 kN*/5102.9 kg) .....  | 17393 ..... | \$765.00   |
| 22,500 lb (100 kN*/10,205.8 kg) ... | 17394 ..... | \$1,095.00 |

Conduit Adapter ..... 17703 (1/2-14 NPT) ..... \$18.00

See page 337 for information on Cable Replacement Kits.

\* kN = Kilonewtons, 1 kN = 224.8089 lb

\*\*Matched outputs via mV/V ohm calibration

### WEIGH MODULE AVAILABLE

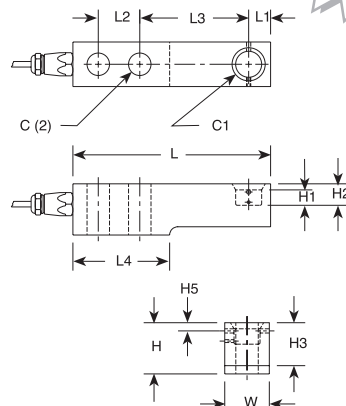
| Model                | Page # |
|----------------------|--------|
| Paramounts® HS ..... | 36     |



# FLINTEC

## SB5 Single-Ended Beam, Stainless Steel NTEP 1:5000 Class III Single Cell

**MORE  
OPTIONS  
AVAILABLE**



| RATED CAPACITY        |            | DIMENSIONS |      |      |      |      |      |     |       |      |      |       |       |      |
|-----------------------|------------|------------|------|------|------|------|------|-----|-------|------|------|-------|-------|------|
|                       |            | C          | C1   | H    | H1   | H2   | H3   | H5  | L     | L1   | L2   | L3    | L4    | W    |
| <b>lb/inches</b>      |            |            |      |      |      |      |      |     |       |      |      |       |       |      |
| 1125-4500             | (5-20 kN*) | .53        | .71  | 1.42 | .39  | .59  | 1.19 | .16 | 6.10  | .59  | 1.38 | 3.15  | 2.98  | 1.18 |
| 11,250                | (50 kN*)   | .85        | .98  | 1.93 | .58  | .81  | 1.62 | .31 | 7.48  | .83  | 1.57 | 4.13  | 3.66  | 1.69 |
| 22,500                | (100 kN*)  | 1.06       | 1.18 | 2.87 | .82  | 1.21 | 2.43 | —   | 9.65  | 1.19 | 1.97 | 5.31  | 4.72  | 2.36 |
| <b>kg/millimeters</b> |            |            |      |      |      |      |      |     |       |      |      |       |       |      |
| 510.3-2041.2          | (5-20 kN*) | 13.5       | 18.0 | 36.1 | 9.9  | 15.0 | 30.2 | 4.1 | 154.9 | 15.0 | 35.1 | 80.0  | 75.7  | 30.0 |
| 5102.9                | (50 kN*)   | 21.6       | 24.9 | 49.0 | 14.7 | 20.6 | 41.2 | 7.9 | 190.0 | 21.1 | 39.9 | 104.9 | 93.0  | 42.9 |
| 10,205.8              | (100 kN*)  | 26.9       | 30.0 | 72.9 | 20.8 | 30.7 | 61.7 | —   | 245.1 | 30.2 | 50.0 | 134.9 | 119.9 | 59.9 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  $\pm$  .07%\*\*  
 Bridge Resistance: 1000 ohms, nominal  
 Material/Finish: Stainless steel  
 Temperature: Compensated range 14°F to 104°F/-10°C to 40°C  
 Safe Overload: 200% Full scale  
 Rated Excitation: 10V AC/DC (15V maximum)  
 Nonlinearity: 0 to -0.03% Full scale  
 Hysteresis: 0 to +0.05% Full scale  
 Combined Effect of Nonlinearity and Hysteresis:  $\pm$ .03% Full scale

Insulation Resistance: 10,000 megohms  
 Deflection at Capacity: 1125 lb = .008"/.2mm, 2250 lb = .012"/.3mm, 4500 lb = .02"/.5mm, 11,250 lb = .012"/.3mm  
 Seal Type: Environmentally protected  
 Cable Length: 1125-4500 lb = 10'/3.1m, 11,250- 22,500 lb = 15'/4.6m  
 Cable Color Code: Green .... + Excitation, Black .... - Excitation, White .... + Signal, Red .... - Signal, Yellow .... Shield  
 Warranty: 1 year

### SB5 ORDER INFORMATION

| Load Rating                        | Part #      | Suggested List Price |
|------------------------------------|-------------|----------------------|
| <b>NTEP 1:5000</b>                 |             |                      |
| 1125 lb (5 kN*/510.3 kg) .....     | 33387 ..... | \$395.00             |
| 2250 lb (10 kN*/1020.6 kg) ...     | 33388 ..... | \$395.00             |
| 4500 lb (20 kN*/2041.2 kg) ...     | 33389 ..... | \$395.00             |
| 11,250 lb (50 kN*/5102.9 kg) ...   | 33390 ..... | \$525.00             |
| <b>Non-NTEP:</b>                   |             |                      |
| 22,500 lb (100 kN*/10,205.8 kg) .. | 33391 ..... | \$795.00             |

|                              |             |          |
|------------------------------|-------------|----------|
| <b>SB5 - T:***</b>           |             |          |
| 1125 lb (SB5-5 kN*-T) .....  | 50629 ..... | \$395.00 |
| 2250 lb (SB5-10 kN*-T) ..... | 50628 ..... | \$395.00 |
| 4500 lb (SB5-20 kN*-T) ..... | 50627 ..... | \$395.00 |

\* kN = Kilonewtons, 1 kN = 224.8089 lb  
 \*\* Matched outputs via mV/V ohm calibration  
 \*\*\* T versions have a threaded load hole

### WEIGH MODULE AVAILABLE

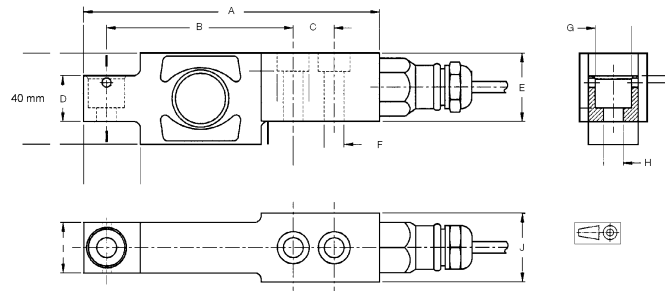
| Model                | Page # |
|----------------------|--------|
| Paramounts® EP ..... | 34     |

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171



## SB6 Single-Ended Beam, Stainless Steel

### Hermetically Sealed IP68, OIML C3



| RATED CAPACITY        | A     | B    | C    | D    | E    | F   | G    | H   | I    | J    |
|-----------------------|-------|------|------|------|------|-----|------|-----|------|------|
| <b>kg/millimeters</b> |       |      |      |      |      |     |      |     |      |      |
| 20-200                | 130.0 | 82.0 | 18.0 | 20.0 | 30.0 | 8.7 | 16.0 | 8.7 | 22.0 | 30.0 |
| <b>lb/inches</b>      |       |      |      |      |      |     |      |     |      |      |
| 44.1-441.0            | 5.12  | 3.23 | .71  | .79  | 1.18 | .34 | .63  | .34 | .87  | 1.18 |

#### SPECIFICATIONS:

|                    |                                                  |                        |                                                                                                                      |
|--------------------|--------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         | Insulation Resistance: | 5000 megohms                                                                                                         |
| Bridge Resistance: | 1000 ohms, nominal                               | Seal Type:             | Hermetically sealed, IP68                                                                                            |
| Material/Finish:   | Stainless steel                                  | Cable Length:          | 3m/10'                                                                                                               |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:      | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red .... - Signal<br>Yellow .... Shield |
| Safe Overload:     | 200% Full scale                                  | Warranty:              | 1 year                                                                                                               |
| Rated Excitation:  | 5V AC/DC (15V maximum)                           |                        |                                                                                                                      |
| Combined Error:    | 0.01% Full scale                                 |                        |                                                                                                                      |

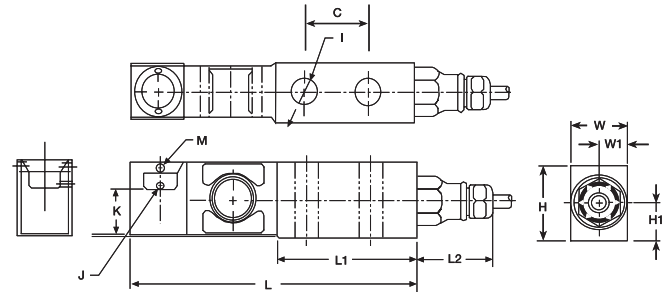
#### SB6 ORDER INFORMATION

| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 20 kg (44.1 lb) .....   | 41163 ..... | \$410.00             |
| 50 kg (110.2 lb) .....  | 41164 ..... | \$410.00             |
| 100 kg (220.5 lb) ..... | 41165 ..... | \$410.00             |
| 200 kg (440.9 lb) ..... | 41166 ..... | \$410.00             |



# FLINTEC

## SB10 Single-Ended Beam, Stainless Steel Hermetically Sealed IP68



| RATED<br>CAPACITY | DIMENSIONS |      |      |      |      |      |      |            |     |      |     |       |
|-------------------|------------|------|------|------|------|------|------|------------|-----|------|-----|-------|
|                   | L          | L1   | L2   | H    | H1   | W    | W1   | I          | J   | K    | M   | C     |
| kg/millimeters    |            |      |      |      |      |      |      |            |     |      |     |       |
| 102.1-235.9       | 155.0      | 75.7 | 40.6 | 40.1 | 20.6 | 15.0 | 30.0 | 0.520±.005 | 2.8 | 25.1 | 4.1 | 35.0  |
| lb/inches         |            |      |      |      |      |      |      |            |     |      |     |       |
| 225-520           | 6.10       | 2.98 | 1.60 | 1.58 | .81  | .59  | 1.18 | 0.520±.005 | .11 | .99  | .16 | 1.387 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 1000 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
14°F to 104°F/-10°C to 40°C  
Safe Overload: 200% Full scale  
Rated Excitation: 10V AC/DC (15V maximum)  
Nonlinearity: 0 to -0.03% Full Scale  
Hysteresis: 0 to +0.05% Full Scale  
Combined Effect of  
Nonlinearity and  
Hysteresis: ± .03% Full Scale

Insulation Resistance: 10,000 megohms  
Deflection at Capacity: 225 lb .006"/.15mm  
520 lb .008"/.15mm  
Seal Type: Hermetically sealed, IP68  
Cable Length: 10'/3.1m  
Cable Color Code: Green .... + Excitation  
Black .... - Excitation  
White .... + Signal  
Red ..... - Signal  
Yellow .... Shield  
Warranty: 1 year

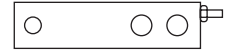
### SB10 ORDER INFORMATION

| Load<br>Rating                 | Part #                   | Suggested<br>List Price |
|--------------------------------|--------------------------|-------------------------|
| 225 lb (1 kN/102.1 kg) .....   | 38214 .....              | \$680.00                |
| 520 lb (2.3 kN/235.9 kg) ..... | 38215 .....              | \$680.00                |
| Conduit Adapter .....          | 17703 (1/2-14 NPT) ..... | \$18.00                 |

### WEIGH MODULE AVAILABLE

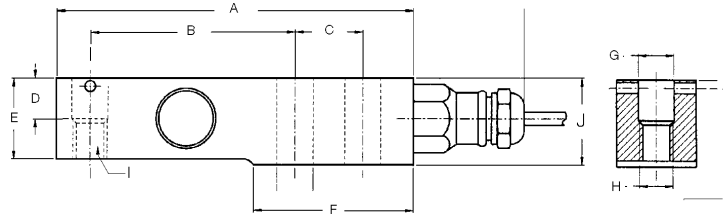
| Model                | Page # |
|----------------------|--------|
| Paramounts® HS ..... | 36     |





## SB14 Single-Ended Beam, Stainless Steel

### Hermetically Sealed IP68, NTEP 1:5000 Class III Multiple Cell



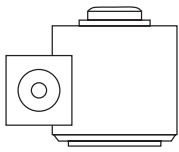
| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |      |      |      |            |      |
|-----------------------|------------|------|------|------|------|------|------|------|------------|------|
|                       | A          | B    | C    | D    | E    | F    | G    | H    | I          | J    |
| <b>kg/millimeters</b> |            |      |      |      |      |      |      |      |            |      |
| 226.8-453.6           | 133.4      | 76.2 | 25.4 | 15.2 | 29.5 | 60.0 | 18.0 | 30.0 | 1/2-20 UNF | 31.0 |
| 1134.0                | 133.4      | 76.2 | 25.4 | 15.2 | 30.7 | 60.0 | 18.0 | 30.0 | 1/2-20 UNF | 31.0 |
| 2268.0                | 133.4      | 76.2 | 25.4 | 15.2 | 30.9 | 60.0 | 18.0 | 30.0 | 1/2-20 UNF | 31.0 |
| <b>lb/inches</b>      |            |      |      |      |      |      |      |      |            |      |
| 500-1000              | 5.25       | 3.00 | 1.00 | .60  | 1.16 | 2.36 | .71  | 1.18 | 1/2-20 UNF | 1.22 |
| 2500                  | 5.25       | 3.00 | 1.00 | .60  | 1.21 | 2.36 | .71  | 1.18 | 1/2-20 UNF | 1.22 |
| 5000                  | 5.25       | 3.00 | 1.00 | .60  | 1.22 | 2.36 | .71  | 1.18 | 1/2-20 UNF | 1.22 |

#### SPECIFICATIONS:

|                                                     |                                                  |                   |                                                                                                                        |
|-----------------------------------------------------|--------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:                                  | 2.0 mV/V                                         | Seal Type:        | Hermetically sealed, IP68                                                                                              |
| Bridge Resistance:                                  | 1000 ohms, nominal                               | Cable Length:     | 3m/10'                                                                                                                 |
| Material/Finish:                                    | Stainless steel                                  | Cable Color Code: | Green .... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Temperature:                                        | Compensated range<br>14°F to 104°F/-10°C to 40°C | Warranty:         | 1 year                                                                                                                 |
| Safe Overload:                                      | 200% Full scale                                  |                   |                                                                                                                        |
| Rated Excitation:                                   | 5V AC (15V maximum)                              |                   |                                                                                                                        |
| Insulation Resistance:                              | 5000 megohms                                     |                   |                                                                                                                        |
| Combined Effect of<br>Nonlinearity &<br>Hysteresis: | ± 0.03% Full scale                               |                   |                                                                                                                        |

#### SB14 ORDER INFORMATION

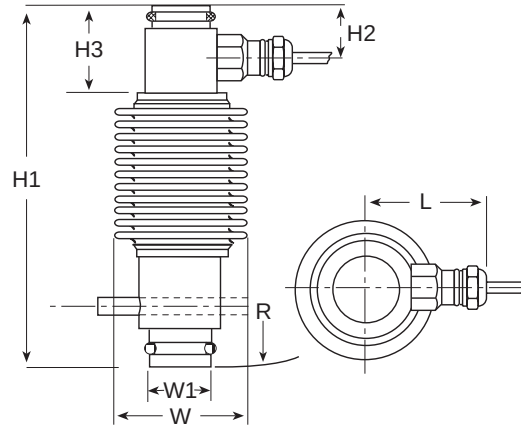
| Load<br>Rating           | Part #      | Suggested<br>List Price |
|--------------------------|-------------|-------------------------|
| 500 lb (453.6 kg) .....  | 41167 ..... | \$445.00                |
| 1000 lb (453.6 kg) ..... | 41168 ..... | \$445.00                |
| 2500 lb (1134 kg) .....  | 41169 ..... | \$445.00                |
| 5000 lb (2268 kg) .....  | 41170 ..... | \$445.00                |



# FLINTEC

## RC1 Rocker Column, Stainless Steel

### Hermetically Sealed IP68, NTEP 1:10,000, OIML C3



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |       |      |      |
|-----------------------|------------|------|------|------|-------|------|------|
|                       | H1         | H2   | H3   | L    | R     | W    | W1   |
| <b>lb/inches</b>      |            |      |      |      |       |      |      |
| 56,000                | 7.56       | 1.22 | 2.01 | 2.44 | 10.98 | 2.83 | 1.46 |
| 90,000                | 8.86       | 1.34 | 2.24 | 2.72 | 14.02 | 3.35 | 2.52 |
| <b>kg/millimeters</b> |            |      |      |      |       |      |      |
| 25,401.6              | 192.0      | 31.0 | 51.0 | 62.0 | 279.0 | 72.0 | 50.0 |
| 40,824.0              | 225.0      | 34.0 | 57.0 | 69.0 | 356.0 | 85.0 | 64.0 |

#### SPECIFICATIONS:

|                    |                                                  |                        |                                                                                                                       |
|--------------------|--------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         | Insulation Resistance: | 5000 megohms                                                                                                          |
| Bridge Resistance: | 350 ohms, nominal                                | Seal Type:             | Hermetically sealed, IP68                                                                                             |
| Material/Finish:   | Stainless steel                                  | Cable Length:          | 56,000 lb 32.8'/10m,<br>90,000 lb 59.1'/18m                                                                           |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:      | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Safe Overload:     | 200% Full scale                                  | Warranty:              | 1 year                                                                                                                |
| Rated Excitation:  | 5V AC/DC (15V maximum)                           |                        |                                                                                                                       |
| Combined Error:    | 0.02% Full scale                                 |                        |                                                                                                                       |

#### RC1 ORDER INFORMATION

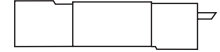
| Load<br>Rating                         | Part #      | Suggested<br>List Price |
|----------------------------------------|-------------|-------------------------|
| 56,000 lb (250 kN*) (25,401.6 kg)..... | 36217 ..... | \$750.00                |
| 90,000 lb (400kN*) (40,824.0 kg).....  | 36218 ..... | \$995.00                |

Conduit Adapter ..... 17703 (1/2-14 NPT) ..... \$18.00

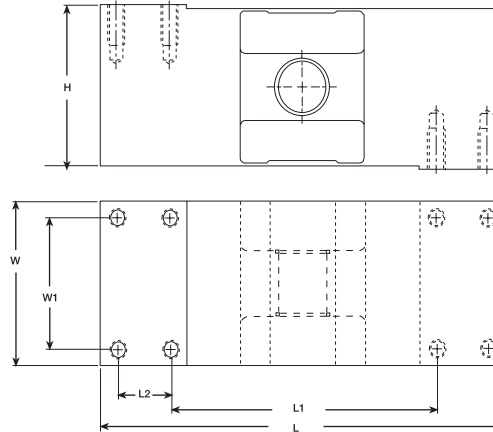
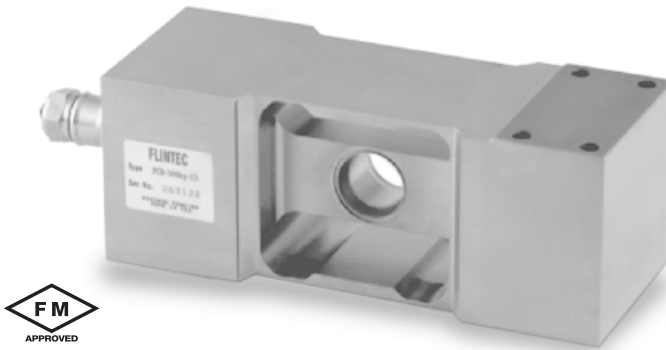
\* kN = Kilonewtons, 1 kN = 224.8089 lb

#### WEIGH MODULE AVAILABLE

| Model                               | Page # |
|-------------------------------------|--------|
| Rocker Column Truck Scale Kit ..... | 68     |



## PCB Single-Point, Stainless Steel (IP 68 Rated) Hermetically Sealed



| RATED CAPACITY        | DIMENSIONS |       |      |      |      |      |
|-----------------------|------------|-------|------|------|------|------|
|                       | L          | L1    | L2   | W    | W1   | H    |
| <b>kg/millimeters</b> |            |       |      |      |      |      |
| 50-1000               | 190.5      | 124.8 | 24.9 | 74.9 | 59.9 | 74.9 |
| <b>lb/inches</b>      |            |       |      |      |      |      |
| 110.3-2205            | 7.50       | 4.92  | .98  | 2.95 | 2.36 | 2.95 |

### SPECIFICATIONS:

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                         |
| Bridge Resistance:     | 1000 ohms, nominal                               |
| Material/Finish:       | Stainless steel                                  |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Safe Overload:         | 200% Full scale                                  |
| Rated Excitation:      | 10V AC/DC (20V maximum)                          |
| Total Error:           | 0.02% Full scale                                 |
| Insulation Resistance: | 5000 megohms                                     |

|                         |                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Deflection at Capacity: | 50-1000 kg ≤ .4mm/.015"                                                                                               |
| Seal Type:              | Hermetically sealed                                                                                                   |
| Cable Length:           | 10'/3.1m                                                                                                              |
| Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Platform Size:          | 24" x 24"                                                                                                             |
| Warranty:               | 1 year                                                                                                                |

### PCB ORDER INFORMATION

| Load Rating               | Part #                   | Suggested List Price |
|---------------------------|--------------------------|----------------------|
| 50 kg (110.3 lb) .....    | 45274 .....              | \$995.00             |
| 100 kg (220.5 lb) .....   | 45275 .....              | \$995.00             |
| 250 kg (551.3 lb) .....   | 45276 .....              | \$995.00             |
| 500 kg (1,102.5 lb) ..... | 45277 .....              | \$995.00             |
| 1000 kg (2,205 lb) .....  | 45278 .....              | \$995.00             |
| Conduit Adapter .....     | 17703 (1/2-14 NPT) ..... | \$18.00              |

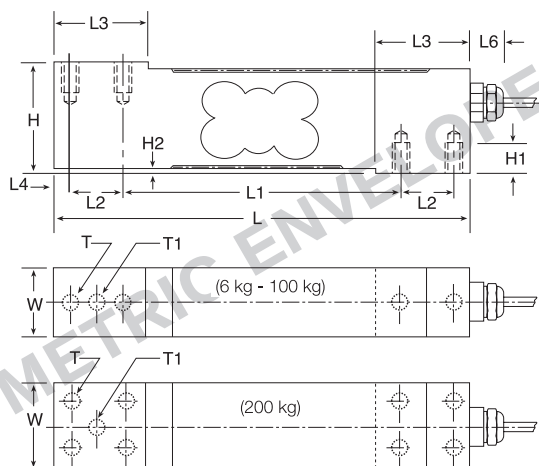
### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 154) RL1250 |
| Revere Transducers .....         | (see page 261) 652    |
| Tedea Huntleigh .....            | (see page 322) 1250   |
| Celtron .....                    | (see page 188) LOC    |



# FLINTEC

## PC1 Single-Point, Stainless Steel NTEP 1:3000 Class III Single Cell



| RATED CAPACITY        | H    | H1   | H2  | L     | L1    | L2   | L3   | L4  | L5   | L6   | W    | T           | T1                    |
|-----------------------|------|------|-----|-------|-------|------|------|-----|------|------|------|-------------|-----------------------|
| <b>kg/millimeters</b> |      |      |     |       |       |      |      |     |      |      |      |             |                       |
| 15-100                | 40.0 | 10.0 | 1.5 | 150.0 | 100.0 | 19.0 | 32.0 | 6.0 | 15.5 | 20.0 | 25.4 | 4 X M6/10DP | M6/10DP/Drill Through |
| 200                   | 40.0 | 10.0 | 1.5 | 150.0 | 100.0 | 19.0 | 32.0 | 6.0 | 15.5 | 20.0 | 38.1 | 8 X M6/10DP | M6/10DP/Drill Through |
| <b>lb/inches</b>      |      |      |     |       |       |      |      |     |      |      |      |             |                       |
| 33.1-220.5            | 1.57 | .40  | .06 | 5.90  | 3.93  | .75  | 1.26 | .24 | .61  | .79  | 1.00 | 4 X M6/10DP | M6/10DP/Drill Through |
| 441.0                 | 1.57 | .40  | .06 | 5.90  | 3.93  | .75  | 1.26 | .24 | .61  | .79  | 1.50 | 8 X M6/10DP | M6/10DP/Drill Through |

### SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         |
| Bridge Resistance: | 350 ohms, nominal                                |
| Material/Finish:   | Stainless steel                                  |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Safe Overload:     | 200% Full scale                                  |
| Rated Excitation:  | 5V AC/DC (15V maximum)                           |
| Combined Error:    | 0.02% Full scale                                 |

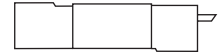
|                        |                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance: | 5000 megohms                                                                                                          |
| Seal Type:             | Environmentally protected                                                                                             |
| Cable Length:          | 1m/3.3'                                                                                                               |
| Cable Color Code:      | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Platform Size:         | 18" x 18"                                                                                                             |
| Warranty:              | 1 year                                                                                                                |

### PC1 ORDER INFORMATION

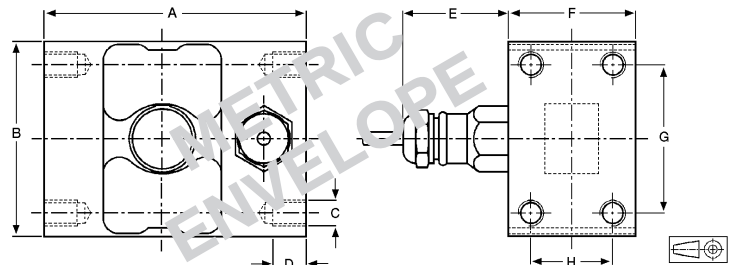
| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 6 kg (13.2 lb) .....    | 41820 ..... | \$300.00             |
| 10 kg (22.0 lb) .....   | 41821 ..... | \$300.00             |
| 15 kg (33.1 lb) .....   | 36219 ..... | \$300.00             |
| 30 kg (66.1 lb) .....   | 36220 ..... | \$300.00             |
| 50 kg (110.2 lb) .....  | 36221 ..... | \$300.00             |
| 75 kg (165.4 lb) .....  | 36222 ..... | \$300.00             |
| 100 kg (220.5 lb) ..... | 36223 ..... | \$300.00             |
| 200 kg (441.0 lb) ..... | 36224 ..... | \$445.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer    | Model                 |
|-----------------|-----------------------|
| Rice Lake ..... | (see page 150) RL1140 |
| Tedea .....     | (see page 318) 1140   |



## PC2 Single-Point, Stainless Steel Hermetically Sealed IP68



| RATED<br>CAPACITY     | DIMENSIONS |      |     |      |      |      |      |      |
|-----------------------|------------|------|-----|------|------|------|------|------|
|                       | A          | B    | C   | D    | E    | F    | G    | H    |
| <b>kg/millimeters</b> |            |      |     |      |      |      |      |      |
| 150                   | 101.6      | 75.0 | M10 | 13.0 | 41.0 | 49.5 | 57.2 | 31.8 |
| <b>lb/inches</b>      |            |      |     |      |      |      |      |      |
| 330.8                 | 4.00       | 2.95 | M10 | .51  | 1.61 | 1.95 | 2.25 | 1.25 |

### SPECIFICATIONS:

|                    |                                                  |                        |                                                                                                                        |
|--------------------|--------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         | Insulation Resistance: | 5000 megohms                                                                                                           |
| Bridge Resistance: | 1,000 ohms, nominal                              | Seal Type:             | Hermetically sealed, IP68                                                                                              |
| Material/Finish:   | Stainless steel                                  | Cable Length:          | 3m/10'                                                                                                                 |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:      | Green .... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Safe Overload:     | 200% Full scale                                  | Warranty:              | 1 year                                                                                                                 |
| Rated Excitation:  | 5V AC/DC (15V maximum)                           |                        |                                                                                                                        |
| Combined Error:    | 0.02% Full scale                                 |                        |                                                                                                                        |

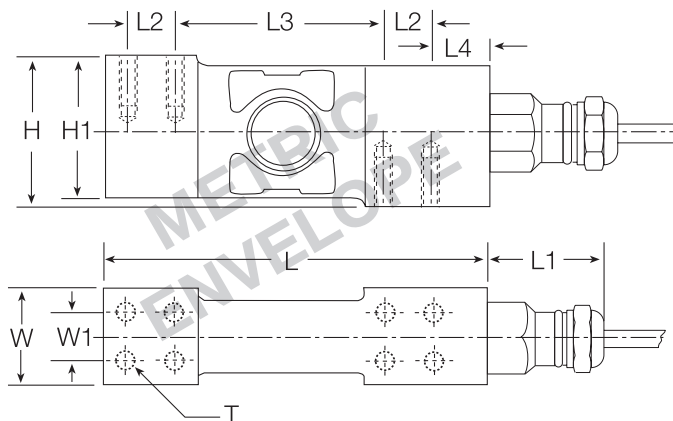
### PC2 ORDER INFORMATION

| Load<br>Rating          | Part #      | Suggested<br>List Price |
|-------------------------|-------------|-------------------------|
| 150 kg (330.7 lb) ..... | 41176 ..... | \$1,010.00              |



# FLINTEC

## PC6 Single-Point, Stainless Steel Hermetically Sealed IP68



| RATED<br>CAPACITY               | DIMENSIONS |      |       |      |      |      |      |      |      |             |
|---------------------------------|------------|------|-------|------|------|------|------|------|------|-------------|
|                                 | H          | H1   | L     | L1   | L2   | L3   | L4   | W    | W1   | T           |
| <b>kg/millimeters</b><br>30-200 | 48.0       | 45.5 | 123.0 | 41.0 | 15.2 | 67.6 | 17.8 | 30.1 | 15.2 | 8 X M6/15DP |
| <b>lb/inches</b><br>66.1-441.0  | 1.89       | 1.80 | 4.84  | 1.61 | .60  | 2.66 | .70  | 1.18 | .60  | 8 X M6/15DP |

### SPECIFICATIONS:

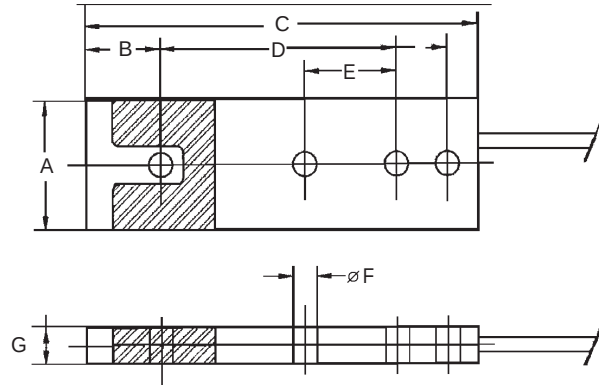
|                    |                                                  |                        |                                                                                                                      |
|--------------------|--------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         | Insulation Resistance: | 5000 megohms                                                                                                         |
| Bridge Resistance: | 1000 ohms, nominal                               | Seal Type:             | Hermetically sealed, IP68                                                                                            |
| Material/Finish:   | Stainless steel                                  | Cable Length:          | 1m/3.3'                                                                                                              |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:      | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red .... - Signal<br>Yellow .... Shield |
| Safe Overload:     | 200% Full scale                                  | Platform Size:         | 24" x 24"                                                                                                            |
| Rated Excitation:  | 5V AC/DC (15V maximum)                           | Warranty:              | 1 year                                                                                                               |
| Combined Error:    | 0.02% Full scale                                 |                        |                                                                                                                      |

### PC6 ORDER INFORMATION

| Load<br>Rating          | Part #      | Suggested<br>List Price |
|-------------------------|-------------|-------------------------|
| 20 kg (44.1 lb) .....   | 36225 ..... | \$650.00                |
| 50 kg (110.2 lb) .....  | 36226 ..... | \$650.00                |
| 100 kg (220.5 lb) ..... | 36227 ..... | \$650.00                |
| 200 kg (441.0 lb) ..... | 36228 ..... | \$650.00                |



## ZLB Single-Point, Aluminum



| RATED<br>CAPACITY     | DIMENSIONS |      |       |      |      |      |      |
|-----------------------|------------|------|-------|------|------|------|------|
|                       | A          | B    | C     | D    | E    | F    | G    |
| <b>kg/millimeters</b> |            |      |       |      |      |      |      |
| 20                    | 44.5       | 26.2 | 136.8 | 82.0 | 18.0 | 8.2  | 9.5  |
| 50                    | 44.5       | 26.2 | 136.8 | 82.0 | 18.0 | 8.2  | 12.7 |
| 100                   | 44.5       | 26.2 | 136.8 | 82.0 | 18.0 | 8.2  | 12.7 |
| 200                   | 44.5       | 26.2 | 136.8 | 82.0 | 18.0 | 8.2  | 15.9 |
| 500                   | 44.5       | 26.2 | 136.8 | 82.0 | 18.0 | 8.2  | 15.9 |
| <b>lb/inches</b>      |            |      |       |      |      |      |      |
| 44.1                  | 1.75       | 1.03 | 5.39  | 3.23 | 0.70 | 0.32 | .37  |
| 110.2                 | 1.75       | 1.03 | 5.39  | 3.23 | 0.70 | 0.32 | .50  |
| 220.5                 | 1.75       | 1.03 | 5.39  | 3.23 | 0.70 | 0.32 | .50  |
| 440.9                 | 1.75       | 1.03 | 5.39  | 3.23 | 0.70 | 0.32 | .63  |
| 1102.3                | 1.75       | 1.03 | 5.39  | 3.23 | 0.70 | 0.32 | .63  |

### SPECIFICATIONS:

|                    |                                                  |                        |                                                                                                                      |
|--------------------|--------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         | Insulation Resistance: | 5000 megohms                                                                                                         |
| Bridge Resistance: | 1000 ohms, nominal                               | Seal Type:             | Potted, IP67                                                                                                         |
| Material/Finish:   | Anodized aluminum                                | Cable Length:          | 3m                                                                                                                   |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:      | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red .... - Signal<br>Yellow .... Shield |
| Safe Overload:     | 200% Full scale                                  | Warranty:              | 1 year                                                                                                               |
| Rated Excitation:  | 5V AC/DC (15V maximum)                           |                        |                                                                                                                      |
| Combined Error:    | 0.02% Full scale                                 |                        |                                                                                                                      |

### ZLB ORDER INFORMATION

| Load<br>Rating          | Part #      | Suggested<br>List Price |
|-------------------------|-------------|-------------------------|
| 20 kg (44.1 lb) .....   | 53291 ..... | \$140.00                |
| 50 kg (110.2 lb) .....  | 53290 ..... | \$140.00                |
| 100 kg (220.5 lb) ..... | 53289 ..... | \$140.00                |
| 200 kg (441.0 lb) ..... | 53292 ..... | \$140.00                |

## S-Beams

RSC, Stainless Steel ..... Page 213



The RSC is the new generation in "S" type cells. Designed for both single- and multiple-cell applications and built of stainless steel, the RSC is a superior choice for new or conversion applications. NTEP-certified capacities of 100 to 5000 lb (45.4 to 2268.0 kg); non-NTEP capacities of 50 and 10,000 lb (22.7 and 4535.9 kg). Complete with 25' (7.6m) of load cell cable.



S35 Universal, Stainless Steel ..... Featured Products Section Page 8, Page 214

## Single-Ended Beams

H35, Stainless Steel ..... Featured Products Section Page 8, Page 215

B35, Stainless Steel ..... Page 216



The B35 is the latest high-quality beam design load cell released by HBM. This stainless steel model is both dimensionally and electrically interchangeable with several other popular stainless beam models. This model differs from other HBM beam products in that it carries a 3.0 mV/V output, and has a 350-ohm bridge. Available in capacities ranging from 500 to 10,000 lb (226.8 to 4535.9 kg), each load cell is also provided with 20' (6.1m) of cable.



BLC, Stainless Steel ..... Page 217



Single-ended bending beam uniquely designed for versatile weighing. Directly interchangeable with other widely-used single-ended beams. Durable stainless steel construction with threaded counterbored load hole. Offers easy installation and load introduction. Capacities of 1000 to 10,000 lb (453.6 to 4535.9 kg).



BBS, Alloy Steel ..... Page 218



Low-cost bending beam load cell designed for precision force and weight measurement. Features excellent performance and protection against adverse environments, alloy and stainless steel sensing elements, and low mounting sensitivity. Capacities of 50 to 7500 lb (22.7 to 3401.9 kg). Complete with 10' (3.1m) of load cell cable.







## Single-Ended Beams (Continued)



BLF, Stainless Steel ..... Page 219

This bending beam is a replacement for the Fairbanks® low-profile bending beam. Capacities from 1500 to 5000 lb (680.4 to 2268.0 kg). Integral 15' (4.6m) load cell cable.



SB3, Alloy Steel ..... Featured Products Page 6, Page 220



SBF, Alloy Steel ..... Page 221

This shear beam is a replacement for the Fairbanks® low-profile shear beam. Capacities of 1500 to 5000 lb (680.4 to 2268.0 kg). Integral 15' (4.6m) load cell cable.



Z6, Stainless Steel ..... Page 222

The Z6 bending beam load cell is constructed of stainless steel and welded seal. These features make the Z6 ideal for harsh or caustic environments as well as washdown applications. Capacities of 20 to 1000 kg (44.1 to 2204.6 lb). Complete with 3.1m (10') of load cell cable.



## Compression Canisters



JRT, Alloy Steel ..... Page 223

The JRT utilizes a unique torsion ring design and is intended for high capacity loading in tank, vessel and truck weighing applications. The design accommodates the highly accurate rocker pin load introduction technique. Capacities of 20,000 to 100,000 lb (9071.9 to 45,359.2 kg). Complete with 35' (10.7m) of load cell cable.



## Single Points



SP4, Aluminum ..... Page 224

The SP4 is a low-profile, off-center load cell designed for use in retail, postal and platform scale applications. This high accuracy single point is manufactured from aluminum, and is moment compensated for guaranteed accuracy. The product is protected by a quality gauge coating compound that provides a barrier against high humidity environments. This product is available in capacities from 7 to 100 kg (15.4 to 220.5 lb), and comes standard with a 1m (3.3') cable.



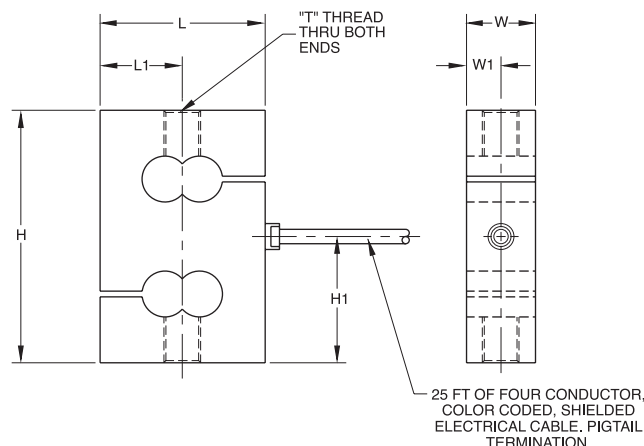
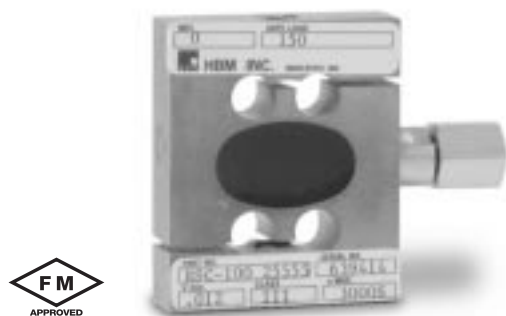
PWS, Stainless Steel ..... Page 225

The PWS is a single-point cell, constructed of stainless steel and designed to perform in harsh, high shock load environments. These features make the PWS ideal for platform scales and packaging and process weighing equipment. Capacities from 7 to 60 kg (15.4 to 132.3 lb). Complete with 3.1m (10') of load cell cable.



# RSC S-Beam, Stainless Steel

## NTEP 1:3000 Class III Single Cell



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |      |               |
|-----------------------|------------|------|------|------|------|------|---------------|
|                       | H          | H1   | L    | L1   | W    | W1   | T             |
| <b>lb/inches</b>      |            |      |      |      |      |      |               |
| 50-300                | 2.44       | 1.22 | 2.00 | 1.00 | .59  | .29  | 3/8-24 UNF-2B |
| 500-3000              | 3.44       | 1.72 | 2.25 | 1.12 | .94  | .47  | 1/2-20 UNF-2B |
| 5000                  | 3.94       | 1.97 | 2.75 | 1.38 | 1.19 | .59  | 3/4-16 UNF-2B |
| 10,000                | 3.94       | 1.97 | 3.00 | 1.50 | 1.44 | .72  | 3/4-16 UNF-2B |
| <b>kg/millimeters</b> |            |      |      |      |      |      |               |
| 22.7-136.1            | 62.0       | 31.0 | 50.8 | 25.4 | 15.0 | 7.4  | 3/8-24 UNF-2B |
| 226.8-4535.9          | 87.4       | 43.7 | 57.2 | 28.4 | 23.9 | 11.9 | 1/2-20 UNF-2B |
| 2268.0                | 100.1      | 50.0 | 69.9 | 35.1 | 30.2 | 15.0 | 3/4-16 UNF-2B |
| 4535.9                | 100.1      | 50.0 | 76.2 | 38.1 | 36.6 | 18.3 | 3/4-16 UNF-2B |

### SPECIFICATIONS:

|                    |                                                  |                        |                                                                                                                       |
|--------------------|--------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         | Insulation Resistance: | 5000 megohms                                                                                                          |
| Bridge Resistance: | 350 ohms, nominal                                | Seal Type:             | Environmentally protected                                                                                             |
| Material/Finish:   | Stainless steel                                  | Cable Length:          | 25'/7.6m                                                                                                              |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:      | Green ... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Safe Overload:     | 150% Full scale                                  | Warranty:              | 1 year                                                                                                                |
| Rated Excitation:  | 18V AC/DC                                        |                        |                                                                                                                       |
| Nonlinearity:      | 0.03% Full scale                                 |                        |                                                                                                                       |
| Hysteresis:        | 0.03% Full scale                                 |                        |                                                                                                                       |

### RSC ORDER INFORMATION

| Load Rating         | Part # | Suggested List Price |
|---------------------|--------|----------------------|
| 100 lb (45.4 kg)    | 21900  | \$325.00             |
| 200 lb (90.7 kg)    | 21901  | \$325.00             |
| 300 lb (136.1 kg)   | 21902  | \$325.00             |
| 500 lb (226.8 kg)   | 21903  | \$325.00             |
| 750 lb (340.2 kg)   | 21904  | \$325.00             |
| 1000 lb (453.6 kg)  | 21905  | \$325.00             |
| 2000 lb (907.2 kg)  | 21906  | \$325.00             |
| 3000 lb (1360.8 kg) | 21907  | \$370.00             |
| 5000 lb (2268.0 kg) | 21908  | \$380.00             |

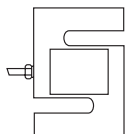
#### Non-NTEP cells:

|                       |       |          |
|-----------------------|-------|----------|
| 50 lb (22.7 kg)       | 21899 | \$325.00 |
| 10,000 lb (4535.9 kg) | 21909 | \$465.00 |

NTEP 1:10,000 Class IIIL Single Cell available; consult factory for pricing.

### WEIGH MODULE AVAILABLE

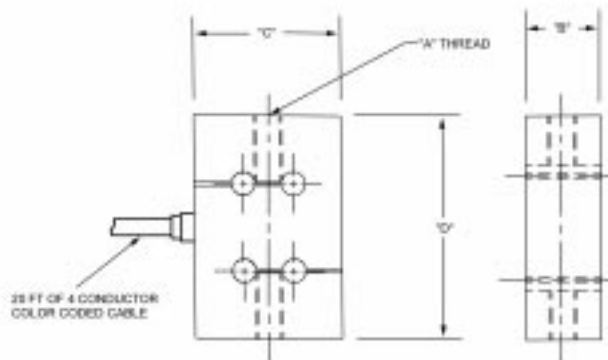
| Model                            | Page #        |
|----------------------------------|---------------|
| ITCM Isolated Tension Cell Mount | 24-29, or 335 |



# S35 S-Beam, Stainless Steel

## NTEP 1:3000 Class III 3S/1:10,000 Class IIIL 10S

**NEW  
PRODUCT**



| RATED CAPACITY   | DIMENSIONS      |      |       |       |
|------------------|-----------------|------|-------|-------|
|                  | A               | B    | C     | D     |
| <b>lb/inches</b> |                 |      |       |       |
| 100-200          | 1/4-28 UNF-2B   | .63  | 2.00  | 2.50  |
| 300              | 3/8-24 UNF-2B   | .63  | 2.00  | 3.00  |
| 500-3000         | 1/2-20 UNF-2B   | 1.00 | 2.00  | 3.00  |
| 5,000            | 3/4-16 UNF-2B   | 1.00 | 3.00  | 4.25  |
| 10,000           | 3/4-16 UNF-2B   | 1.00 | 3.50  | 4.75  |
| 15,000           | 1-14 UNF-2B     | 1.50 | 4.00  | 5.50  |
| 20,000           | 1 1/4-12 UNF-2B | 2.00 | 5.00  | 7.00  |
| <b>lb/inches</b> |                 |      |       |       |
| 100-200          | 1/4-28 UNF-2B   | 16.0 | 50.8  | 63.5  |
| 300              | 3/8-24 UNF-2B   | 16.0 | 50.8  | 76.2  |
| 500-3000         | 1/2-20 UNF-2B   | 25.4 | 50.8  | 76.2  |
| 5,000            | 3/4-16 UNF-2B   | 25.4 | 76.2  | 108.0 |
| 10,000           | 3/4-16 UNF-2B   | 25.4 | 88.9  | 120.7 |
| 15,000           | 1-14 UNF-2B     | 38.1 | 101.6 | 139.7 |
| 20,000           | 1 1/4-12 UNF-2B | 50.8 | 127.0 | 177.8 |

### SPECIFICATIONS:

|                        |                                                  |                         |                                                                                                                        |
|------------------------|--------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V nominal                                 | Deflection at Capacity: | .010"/.25mm                                                                                                            |
| Bridge Resistance:     | 350 ohms, nominal                                | Seal Type:              | Environmentally protected, IP66                                                                                        |
| Material/Finish:       | Stainless steel                                  | Cable Length:           | 20'/6.1m                                                                                                               |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White .... - Signal<br>Yellow .... Shield |
| Safe Overload:         |                                                  | Warranty:               | 1 year                                                                                                                 |
| Rated Excitation:      | 10V AC/DC (15V maximum)                          |                         |                                                                                                                        |
| Combined Error:        | 0.03%                                            |                         |                                                                                                                        |
| Insulation Resistance: | 10,000 megohms                                   |                         |                                                                                                                        |

### S35 ORDER INFORMATION

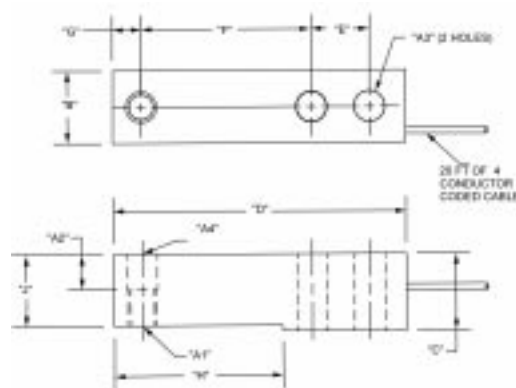
| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| 100 lb (45.4 kg) .....      | 64859 ..... | \$295.00             |
| 200 lb (90.7 kg) .....      | 64860 ..... | \$295.00             |
| 300 lb (136.1 kg) .....     | 64861 ..... | \$295.00             |
| 500 lb (226.8 kg) .....     | 64862 ..... | \$295.00             |
| 750 lb (340.2 kg) .....     | 64863 ..... | \$295.00             |
| 1,000 lb (453.6 kg) .....   | 64864 ..... | \$295.00             |
| 2,000 lb (907.2 kg) .....   | 64865 ..... | \$295.00             |
| 2,500 lb (1134.0 kg) .....  | 64866 ..... | \$295.00             |
| 3,000 lb (1360.8 kg) .....  | 64867 ..... | \$295.00             |
| 5,000 lb (2268.0 kg) .....  | 64868 ..... | \$475.00             |
| 10,000 lb (4535.9 kg) ..... | 64869 ..... | \$550.00             |
| 15,000 lb (6803.9 kg) ..... | 64870 ..... | \$575.00             |
| 20,000 lb (9071.8 kg) ..... | 64871 ..... | \$895.00             |

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

# H35 Single Ended Beam, Stainless Steel

## NTEP 1:5000 Class III Multiple Cell, IP67

**NEW  
PRODUCT**



| RATED<br>CAPACITY     | DIMENSIONS    |      |      |      |      |      |        |      |      |      |      |       |
|-----------------------|---------------|------|------|------|------|------|--------|------|------|------|------|-------|
|                       | A1            | A2   | A3   | A4   | B    | C    | D      | E    | F    | G    | H    | I     |
| <b>lb/inches</b>      |               |      |      |      |      |      |        |      |      |      |      |       |
| 1,000-5000            | 1/2-20 UNF-2B | .62  | .53  | .53  | 1.21 | 1.19 | 5.12   | 1.00 | 3.00 | .50  | 2.85 | 1.120 |
| <b>kg/millimeters</b> |               |      |      |      |      |      |        |      |      |      |      |       |
| 453.6-2268            | 1/2-20 UNF-2B | 15.8 | 13.5 | 13.5 | 30.7 | 30.2 | 130.05 | 25.4 | 76.2 | 12.7 | 72.4 | 28.4  |

### SPECIFICATIONS:

|                    |                                                  |                        |                                                                                                                       |
|--------------------|--------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                         | Insulation Resistance: | 5000 megohms                                                                                                          |
| Bridge Resistance: | 350 ohms, nominal                                | Seal Type:             | Welded seal, IP67                                                                                                     |
| Material/Finish:   | Stainless Steel                                  | Cable Length:          | 20'/6.1m                                                                                                              |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:      | Green ... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Safe Overload:     | 100% Full scale                                  | Warranty:              | 1 year                                                                                                                |
| Rated Excitation:  | 10V DC (15V maximum)                             |                        |                                                                                                                       |
| Nonlinearity:      | 0.03% Full scale                                 |                        |                                                                                                                       |
| Hysteresis:        | 0.03% Full scale                                 |                        |                                                                                                                       |

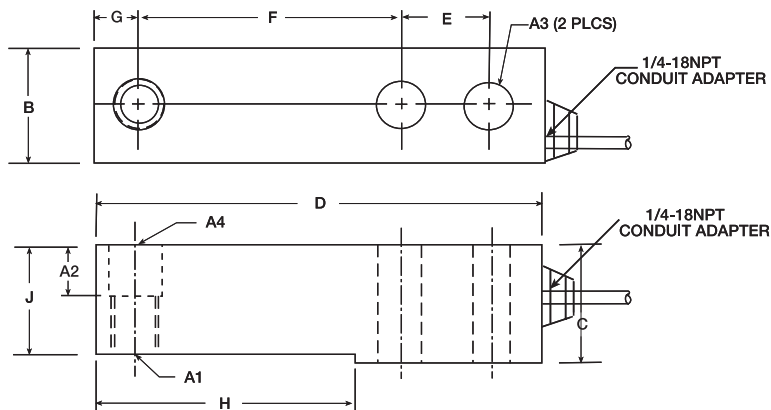
### H35 ORDER INFORMATION

| Load<br>Rating             | Part #      | Suggested<br>List Price |
|----------------------------|-------------|-------------------------|
| 1,000 lb (453.6 kg) .....  | 64876 ..... | \$285.00                |
| 2,500 lb (1134.0 kg) ..... | 64877 ..... | \$285.00                |
| 4,000 lb (1814.4 kg) ..... | 64878 ..... | \$285.00                |
| 5,000 lb (2268.0 kg) ..... | 64879 ..... | \$285.00                |



# B35 Single-Ended Beam, Stainless Steel

## NTEP 1:5000 Class III Multiple Cell



| RATED<br>CAPACITY     | DIMENSIONS    |      |      |      |      |      |       |      |      |      |      |      |
|-----------------------|---------------|------|------|------|------|------|-------|------|------|------|------|------|
|                       | A1            | A2   | A3   | A4   | B    | C    | D     | E    | F    | G    | H    | J    |
| <b>lb/inches</b>      |               |      |      |      |      |      |       |      |      |      |      |      |
| 500                   | 1/2-20 UNF-2B | .50  | .53  | .53  | 1.21 | 1.00 | 5.12  | 1.00 | 3.00 | .50  | 2.85 | .93  |
| 1000-4000             | 1/2-20 UNF-2B | .62  | .53  | .53  | 1.21 | 1.19 | 5.12  | 1.00 | 3.00 | .50  | 2.85 | 1.12 |
| 5000-10,000           | 3/4-16 UNF-2B | .75  | .78  | .78  | 1.44 | 1.44 | 6.75  | 1.50 | 3.75 | .75  | 3.75 | 1.34 |
| <b>kg/millimeters</b> |               |      |      |      |      |      |       |      |      |      |      |      |
| 226.8                 | 1/2-20 UNF-2B | 12.7 | 13.5 | 13.5 | 30.7 | 25.4 | 130.0 | 25.4 | 76.2 | 12.7 | 72.4 | 23.6 |
| 453.6-1814.4          | 1/2-20 UNF-2B | 15.7 | 13.5 | 13.5 | 30.7 | 30.2 | 130.0 | 25.4 | 26.2 | 12.7 | 72.4 | 28.4 |
| 2268.0-4535.9         | 3/4-16 UNF-2B | 19.1 | 19.1 | 19.8 | 36.6 | 36.6 | 171.5 | 38.1 | 95.3 | 19.1 | 95.3 | 34.0 |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V nominal  
Bridge Resistance: 350 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: 10V AC/DC (15V maximum)  
Combined Error: 0.04%  
Insulation Resistance: 5000 megohms

Deflection at Capacity: .010"/.25mm  
Seal Type: Environmentally protected  
Cable Length: 20'/6.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ..... + Signal  
White ..... - Signal  
Yellow .... Shield  
Warranty: 1 year

### B35 ORDER INFORMATION

| Load Rating           | Part # | Suggested List Price |
|-----------------------|--------|----------------------|
| 500 lb (226.8 kg)     | 46486  | \$265.00             |
| 1000 lb (453.6 kg)    | 46487  | \$265.00             |
| 2000 lb (907.2 kg)    | 46488  | \$265.00             |
| 2500 lb (1134.0 kg)   | 46489  | \$265.00             |
| 3000 lb (1360.8 kg)   | 46490  | \$265.00             |
| 4000 lb (1814.4 kg)   | 46491  | \$265.00             |
| 5000 lb (2268.0 kg)   | 46492  | \$345.00             |
| 10,000 lb (4535.9 kg) | 46493  | \$345.00             |

### INTERCHANGEABLE PRODUCTS

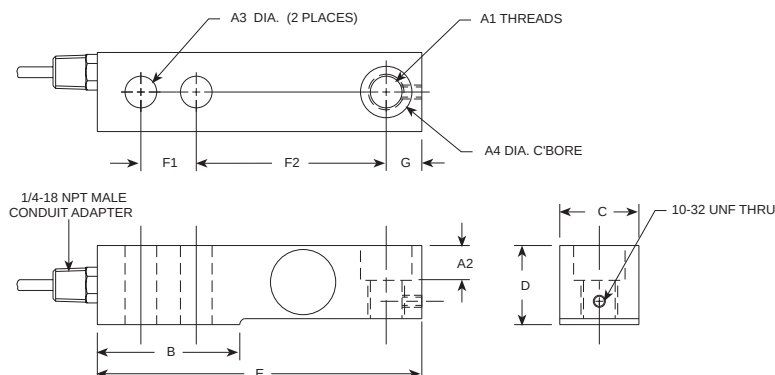
| Manufacturer               | Model                  |
|----------------------------|------------------------|
| Rice Lake Weighing Systems | (see page 104) RL39123 |
| Revere                     | (see page 239) 9123    |





# BLC Single-Ended Beam, Stainless Steel

## NTEP 1:5000 Class III Multiple Cell\*



| RATED CAPACITY        | A1            | A2   | A3   | A4   | B    | C    | D    | E     | F1   | F2   | G    |
|-----------------------|---------------|------|------|------|------|------|------|-------|------|------|------|
| <b>lb/inches</b>      |               |      |      |      |      |      |      |       |      |      |      |
| 1000-4000             | 1/2-20 UNF-2B | .56  | .52  | .81  | 2.27 | 1.21 | 1.19 | 5.25  | 1.00 | 3.00 | .60  |
| 5000                  | 3/4-16 UNF-2B | .79  | .78  | 1.19 | 3.00 | 1.45 | 1.44 | 6.75  | 1.50 | 3.75 | .75  |
| 10,000                | 3/4-16 UNF-2B | .79  | .78  | 1.19 | 3.00 | 1.45 | 1.69 | 6.75  | 1.50 | 3.75 | .75  |
| <b>kg/millimeters</b> |               |      |      |      |      |      |      |       |      |      |      |
| 453.6-1814.4          | 1/2-20 UNF-2B | 14.2 | 13.2 | 20.6 | 57.6 | 30.7 | 30.2 | 133.3 | 25.4 | 76.2 | 15.2 |
| 2268.0                | 3/4-16 UNF-2B | 20.1 | 19.8 | 30.2 | 76.2 | 36.8 | 36.6 | 171.5 | 38.1 | 95.3 | 19.1 |
| 4535.9                | 3/4-16 UNF-2B | 20.1 | 19.8 | 30.2 | 76.2 | 36.8 | 42.9 | 171.5 | 38.1 | 95.3 | 19.1 |

### SPECIFICATIONS:

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V nominal                                 |
| Bridge Resistance:     | 1000 ohms, nominal                               |
| Material/Finish:       | Stainless steel                                  |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Safe Overload:         | 150% Full scale                                  |
| Rated Excitation:      | 10V AC/DC (15V maximum)                          |
| Nonlinearity:          | 0.03% Full scale                                 |
| Hysteresis:            | 0.05% Full scale                                 |
| Insulation Resistance: | 5000 megohms                                     |

Deflection at Capacity: 1000-4000 lb = .010"/.25mm,  
5000-10,000 lb = .012"/.30mm

Seal Type: Environmentally protected

Cable Length: 1000-4000 lb = 10'/3.1m,  
5000-10,000 lb = 20'/6.1m

Cable Color Code: Green .... + Excitation  
Black .... - Excitation  
White .... + Signal  
Red ..... - Signal  
Yellow .... Shield

Warranty: 1 year

### BLC ORDER INFORMATION

| Load Rating                    | Part # | Suggested List Price |
|--------------------------------|--------|----------------------|
| <b>NTEP* With Counter Bore</b> |        |                      |
| 1000 lb (453.6 kg)             | 21514  | \$265.00             |
| 2500 lb (1134.0 kg)            | 21504  | \$265.00             |
| 4000 lb (1814.4 kg)            | 21515  | \$265.00             |
| 5000 lb (2268.0 kg)            | 21505  | \$355.00             |
| 10,000 lb (4535.9 kg)          | 21506  | \$450.00             |

### Non-NTEP Without Counter Bore

|                       |       |          |
|-----------------------|-------|----------|
| 1000 lb (453.6 kg)    | 17226 | \$265.00 |
| 2500 lb (1134.0 kg)   | 17227 | \$265.00 |
| 4000 lb (1814.4 kg)   | 17228 | \$265.00 |
| 5000 lb (2268.0 kg)   | 17229 | \$355.00 |
| 10,000 lb (4535.9 kg) | 17230 | \$450.00 |

\* NTEP certified to 50% of rated capacity

**Bushing** (for conversion to non-counter bore)

|                          |       |         |
|--------------------------|-------|---------|
| 1000 lb - 4000 lb, SST   | 17691 | \$8.00  |
| 5000 lb - 10,000 lb, SST | 17702 | \$15.00 |

### BLC ORDER INFORMATION

| Load Rating                       | Part # | Suggested List Price |
|-----------------------------------|--------|----------------------|
| <b>NTEP* Without Counter Bore</b> |        |                      |
| 1000 lb (453.6 kg)                | 63028  | \$265.00             |
| 2500 lb (1134.0 kg)               | 63029  | \$265.00             |
| 4000 lb (1814.4 kg)               | 63030  | \$265.00             |
| 5000 lb (2268.0 kg)               | 63031  | \$355.00             |
| 10,000 lb (4535.9 kg)             | 63032  | \$450.00             |

### INTERCHANGEABLE PRODUCTS

Manufacturer

Model

Rice Lake Weighing Systems ..... (see page 106) RLBC

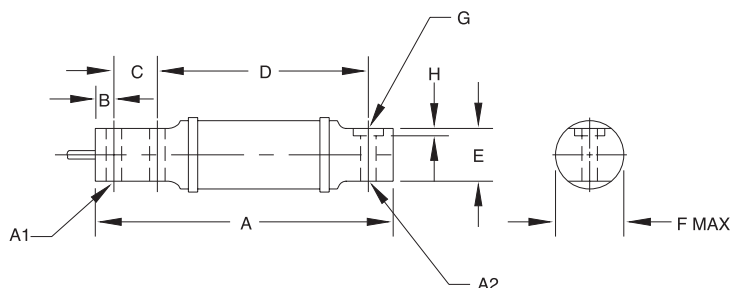


USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice



# BBS Single-Ended Beam, Alloy Steel



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |       |      |      |      |     |
|-----------------------|------------|------|------|------|------|-------|------|------|------|-----|
|                       | A          | A1   | A2   | B    | C    | D     | E    | F    | G    | H   |
| <b>lb/inches</b>      |            |      |      |      |      |       |      |      |      |     |
| 50-100                | 6.00       | .31  | .31  | .38  | .88  | 4.25  | 1.06 | 1.38 | —    | —   |
| 200-1000              | 6.63       | .51  | .51  | .50  | 1.12 | 4.25  | 1.06 | 1.38 | —    | —   |
| 1000LE-2500           | 11.38      | .51  | .62  | .50  | 1.75 | 8.25  | 1.25 | 2.00 | 1.28 | .12 |
| 5000-7500             | 12.75      | .78  | .76  | .75  | 2.00 | 8.50  | 2.75 | 3.50 | 1.38 | .18 |
| <b>kg/millimeters</b> |            |      |      |      |      |       |      |      |      |     |
| 22.7-45.4             | 152.4      | 7.9  | 7.9  | 9.7  | 22.4 | 108.0 | 26.9 | 35.1 | —    | —   |
| 90.7-453.6            | 168.4      | 13.0 | 13.0 | 12.7 | 28.5 | 108.0 | 26.9 | 35.1 | —    | —   |
| 453.6LE-1134.0        | 289.1      | 13.0 | 15.8 | 12.7 | 44.5 | 210.0 | 31.8 | 50.8 | 32.5 | 3.1 |
| 2268.0-3401.9         | 323.8      | 19.8 | 19.3 | 19.1 | 50.8 | 215.9 | 69.9 | 88.9 | 35.1 | 4.6 |

## SPECIFICATIONS:

|                        |                                                                    |                         |                                                                                                                                                                                           |
|------------------------|--------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                                           | Deflection at Capacity: | 50 lb = .015"/.38mm, 100 lb = .025"/.64mm, 200-250 lb = .030"/.76mm, 500 lb = .020"/.51mm, 1000 lb = .040"/1.02mm, 2500 lb = .120"/3.05mm, 5000 lb = .090"/2.29mm, 7500 lb = .120"/3.05mm |
| Bridge Resistance:     | 50-1000 lb = 750 ohms, nominal<br>2500-7500 lb = 347 ohms, nominal | Seal Type:              | Environmentally protected                                                                                                                                                                 |
| Material/Finish:       | High-alloy steel, nickel plated                                    | Cable Length:           | 10'/3.1m                                                                                                                                                                                  |
| Temperature:           | Compensated range<br>15°F to 115°F/-9°C to 46°C                    | Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red ..... - Signal                                                                                           |
| Safe Overload:         | 150% Full scale                                                    | Warranty:               | 1 year                                                                                                                                                                                    |
| Rated Excitation:      | 10V AC/DC (18V maximum)                                            |                         |                                                                                                                                                                                           |
| Nonlinearity:          | 0.03% Full scale                                                   |                         |                                                                                                                                                                                           |
| Hysteresis:            | 0.02% Full scale                                                   |                         |                                                                                                                                                                                           |
| Insulation Resistance: | 5000 megohms                                                       |                         |                                                                                                                                                                                           |

## BBS ORDER INFORMATION

| Load Rating                | Part #      | Suggested List Price |
|----------------------------|-------------|----------------------|
| 50 lb (22.7 kg) .....      | 17352 ..... | \$425.00             |
| 100 lb (45.4 kg) .....     | 17353 ..... | \$425.00             |
| 200 lb (90.7 kg) .....     | 17354 ..... | \$425.00             |
| 250 lb (113.4 kg) .....    | 17355 ..... | \$425.00             |
| 500 lb (226.8 kg) .....    | 17356 ..... | \$425.00             |
| 1000 lb (453.6 kg) .....   | 17357 ..... | \$425.00             |
| 1000 lbLE (453.6 kg) ..... | 26107 ..... | \$850.00             |
| 2500 lb (1134.0 kg) .....  | 17358 ..... | \$850.00             |
| 5000 lb (2268.0 kg) .....  | 17359 ..... | \$1,095.00           |
| 7500 lb (3401.9 kg) .....  | 17360 ..... | \$1,095.00           |

## INTERCHANGEABLE PRODUCT INFORMATION

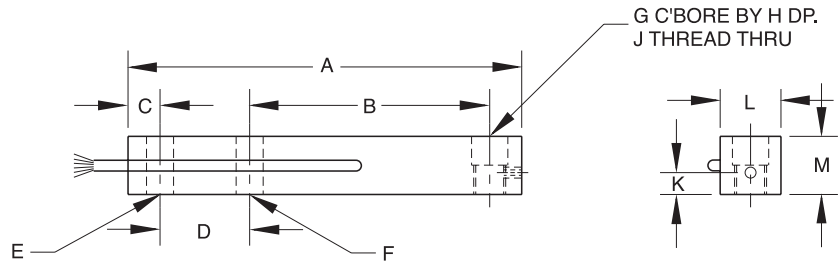
| Manufacturer                     | Model                  |
|----------------------------------|------------------------|
| Rice Lake Weighing Systems ..... | (see page 122) RL40BBS |
| Sensortronics .....              | 60007                  |
| BLH® .....                       | LBG1                   |
| Fairbanks® .....                 | 3-481XX-1, 3-486XX-1   |

Fairbanks is a registered trademark of Fairbanks Scales  
BLH is a registered trademark of BLH Electronics

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171



# BLF Single-Ended Beam, Stainless Steel



## RATED CAPACITY

**lb/inches**  
1500-2500  
5000

**kg/millimeters**  
680.4-1134.0  
2268.0

## DIMENSIONS

|              | A     | B     | C    | D    | E    | F    | G    | H    | J          | K    | L    | M    |
|--------------|-------|-------|------|------|------|------|------|------|------------|------|------|------|
| 1500-2500    | 9.00  | 6.00  | .62  | 1.75 | .59  | .53  | .69  | .56  | 5/8-18 UNF | .31  | 1.19 | 1.13 |
| 5000         | 10.00 | 6.25  | .75  | 2.00 | .84  | .78  | .94  | .50  | 7/8-14 UNF | .50  | 1.44 | 1.44 |
| 680.4-1134.0 | 228.6 | 152.4 | 15.8 | 44.5 | 14.9 | 13.5 | 17.5 | 14.2 | 5/8-18 UNF | 7.9  | 30.2 | 28.7 |
| 2268.0       | 254.0 | 158.8 | 19.1 | 50.8 | 21.3 | 19.8 | 23.9 | 12.7 | 7/8-14 UNF | 12.7 | 36.6 | 36.6 |

## SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 1000 ohms, nominal  
 Material/Finish: Stainless steel  
 Temperature: Compensated range  
 15°F to 115°F/-9°C to 46°C  
 Manufacturer Model Number: BLF-XX-15100  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V DC (15V maximum)  
 Nonlinearity: 0.03% Full scale

Hysteresis: 0.02% Full scale  
 Insulation Resistance: 5000 megohms  
 Seal Type: Environmentally protected  
 Cable Length: 15'/4.6m  
 Cable Color Code: Green ... + Excitation  
 Black ..... - Excitation  
 White .... + Signal  
 Red ..... - Signal  
 Yellow .... Shield  
 Warranty: 1 year

## BLF ORDER INFORMATION

| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| 1500 lb (680.4 kg) .....  | 21918 ..... | \$535.00             |
| 2500 lb (1134.0 kg) ..... | 17114 ..... | \$535.00             |
| 5000 lb (2268.0 kg) ..... | 21917 ..... | \$640.00             |

## INTERCHANGEABLE PRODUCTS

| Manufacturer     | Model                |
|------------------|----------------------|
| Fairbanks® ..... | 3-53581-X, 3-52921-1 |

Fairbanks is a registered trademark of Fairbanks Scales

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

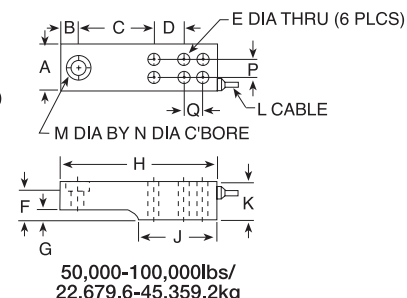
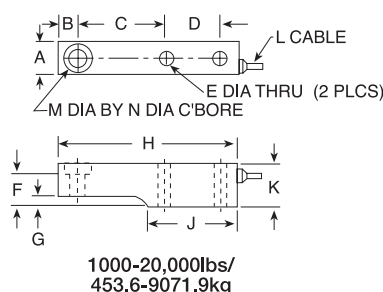
Prices & Specifications subject to change without notice





# SB3 Single-Ended Beam, Alloy Steel

**EXPANDED!**  
Capacity Range



| RATED<br>CAPACITY | # MNTG.<br>HOLES | DIMENSIONS |      |       |      |      |       |      |       |       |       |       |      |      |      |
|-------------------|------------------|------------|------|-------|------|------|-------|------|-------|-------|-------|-------|------|------|------|
|                   |                  | A          | B    | C     | D    | E    | F     | G    | H     | J     | K     | L     | M    | N    | P/Q  |
| lb/inches         |                  |            |      |       |      |      |       |      |       |       |       |       |      |      |      |
| 1000-5000         | 2                | 1.44       | .88  | 3.87  | 2.50 | .52  | 1.41  | .44  | 8.00  | 4.00  | 1.88  | 10'   | .68  | 1.19 | —    |
| 10,000            | 2                | 1.88       | .93  | 4.87  | 2.62 | .88  | 2.12  | .88  | 9.25  | 4.63  | 2.75  | 15'   | 1.00 | 1.63 | —    |
| 20,000            | 2                | 2.38       | 1.25 | 5.50  | 3.25 | 1.06 | 2.44  | .75  | 11.00 | 5.50  | 3.25  | 15'   | 1.25 | 2.01 | —    |
| 50,000            | 6                | 3.75       | 1.75 | 7.12  | 3.00 | .88  | 3.41  | 1.44 | 14.75 | 7.38  | 4.62  | 35'   | 1.75 | 2.89 | 2.00 |
| 100,000           | 6                | 3.75       | 1.88 | 7.75  | 3.62 | 1.06 | 4.38  | 1.62 | 16.38 | 8.25  | 5.62  | 35'   | .67  | 2.58 | 2.12 |
| kg/millimeters    |                  |            |      |       |      |      |       |      |       |       |       |       |      |      |      |
| 453.6-2268.0      | 2                | 36.6       | 22.4 | 98.3  | 63.5 | 13.2 | 35.8  | 11.2 | 203.2 | 101.6 | 47.8  | 3.1m  | 17.3 | 30.2 | —    |
| 4535.9            | 2                | 47.8       | 23.6 | 123.7 | 66.6 | 22.4 | 53.9  | 22.4 | 235.0 | 117.6 | 69.9  | 4.6m  | 25.4 | 41.4 | —    |
| 9071.9            | 2                | 60.5       | 31.8 | 139.7 | 82.6 | 26.9 | 62.0  | 19.1 | 279.4 | 139.7 | 82.6  | 4.6m  | 31.8 | 51.1 | —    |
| 22,679.6          | 6                | 95.3       | 44.5 | 180.9 | 76.2 | 22.4 | 86.6  | 36.6 | 374.7 | 187.5 | 117.4 | 10.7m | 44.5 | 73.4 | 50.8 |
| 45,359.2          | 6                | 95.3       | 47.8 | 196.9 | 92.0 | 26.9 | 111.3 | 41.1 | 416.1 | 209.6 | 142.8 | 10.7m | 17.0 | 65.5 | 53.9 |

## SPECIFICATIONS:

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                        |
| Bridge Resistance:     | 350 ohms, nominal                               |
| Material/Finish:       | High-alloy steel                                |
| Temperature:           | Compensated range<br>15°F to 115°F/-9°C to 46°C |
| Safe Overload:         | 150% Full scale                                 |
| Rated Excitation:      | 18V AC/DC maximum                               |
| Nonlinearity:          | 0.03% Full scale                                |
| Hysteresis:            | 0.02% Full scale                                |
| Insulation Resistance: | 5000 megohms                                    |

|                         |                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Deflection at Capacity: | 1000 lb = .010"/.25mm, 2000 lb = .012"/.30mm,<br>5000 lb = .014"/.36mm, 10,000 lb = .018"/.46mm,<br>20,000 lb = .028"/.71mm, 50,000 lb = .040"/1.02mm,<br>100,000 lb = .060"/1.52mm |
| Seal Type:              | Environmentally protected                                                                                                                                                           |
| Cable Length:           | As per "L" on chart above                                                                                                                                                           |
| Cable Color Code:       | Green ..... + Excitation<br>Black ..... - Excitation<br>White ..... + Signal<br>Red ..... - Signal<br>Yellow ..... Shield                                                           |
| Warranty:               | 1 year                                                                                                                                                                              |

## SB3 ORDER INFORMATION

| Load<br>Rating                 | Part #      | Suggested<br>List Price |
|--------------------------------|-------------|-------------------------|
| 1000 lb (453.6 kg) .....       | 17116 ..... | \$595.00                |
| 2000 lb (909.2 kg) .....       | 17117 ..... | \$595.00                |
| 5000 lb (2268.0 kg) .....      | 17118 ..... | \$595.00                |
| 10,000 lb (4535.9 kg) .....    | 17119 ..... | \$850.00                |
| 20,000 lb (9071.9 kg) .....    | 17120 ..... | \$995.00                |
| 50,000 lb (22,679.6 kg) .....  | 17121 ..... | \$1,995.00              |
| 100,000 lb (45,359.2 kg) ..... | 17122 ..... | \$2,450.00              |
| 115,000 lb (52,164 kg) .....   | 45436 ..... | \$3,995.00              |

## INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                |
|----------------------------------|----------------------|
| Rice Lake Weighing Systems ..... | (see page 116) RLSSB |
| Revere Transducers .....         | (see page 245) SSB   |
| Howe Richardson® .....           | 37608XX              |

## WEIGH MODULE AVAILABLE

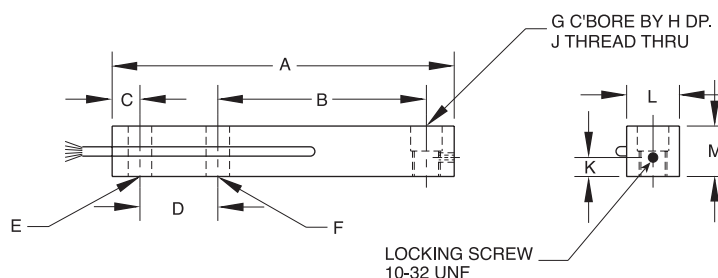
| Model                            | Page # |
|----------------------------------|--------|
| RL1900 Series .....              | 42     |
| (1000 lb - 10,000 lb capacities) |        |

Howe Richardson is a registered trademark of Howe Richardson Scale Co.

**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**



# SBF Single-Ended Beam, Alloy Steel



| RATED<br>CAPACITY     | DIMENSIONS |       |      |      |      |      |      |      |               |      |      |      |
|-----------------------|------------|-------|------|------|------|------|------|------|---------------|------|------|------|
|                       | A          | B     | C    | D    | E    | F    | G    | H    | J             | K    | L    | M    |
| <b>lb/inches</b>      |            |       |      |      |      |      |      |      |               |      |      |      |
| 1500-2500             | 9.00       | 6.00  | .62  | 1.75 | .59  | .53  | .69  | .50  | 5/8-18 UNF-2B | .25  | 1.19 | 1.12 |
| 5000                  | 10.00      | 6.25  | .75  | 2.00 | .84  | .78  | .94  | .50  | 7/8-14 UNF-2B | .50  | 1.50 | 1.50 |
| <b>kg/millimeters</b> |            |       |      |      |      |      |      |      |               |      |      |      |
| 680.4-1134.0          | 228.6      | 152.4 | 15.8 | 44.5 | 15.0 | 13.5 | 17.5 | 12.7 | 5/8-18 UNF-2B | 6.4  | 30.2 | 28.5 |
| 2268.0                | 254.0      | 158.8 | 19.1 | 50.8 | 21.3 | 19.8 | 23.9 | 12.7 | 7/8-14 UNF-2B | 12.7 | 38.1 | 38.1 |

## SPECIFICATIONS:

|                    |                                                 |                        |                                                                                                                         |
|--------------------|-------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                        | Insulation Resistance: | 5000 megohms                                                                                                            |
| Bridge Resistance: | 1000 ohms, nominal                              | Seal Type:             | Environmentally protected                                                                                               |
| Material/Finish:   | High-alloy steel, nickel plated                 | Cable Length:          | 15'4.6m                                                                                                                 |
| Temperature:       | Compensated range<br>15°F to 115°F/-9°C to 46°C | Cable Color Code:      | Green .... + Excitation<br>Black ..... - Excitation<br>White ..... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Safe Overload:     | 150% Full scale                                 | Warranty:              | 1 year                                                                                                                  |
| Rated Excitation:  | 10V DC (15V maximum)                            |                        |                                                                                                                         |
| Nonlinearity:      | 0.03% Full scale                                |                        |                                                                                                                         |
| Hysteresis:        | 0.03% Full scale                                |                        |                                                                                                                         |

| SBF ORDER INFORMATION     |             |                      |
|---------------------------|-------------|----------------------|
| Load Rating               | Part #      | Suggested List Price |
| 1500 lb (680.4 kg) .....  | 21708 ..... | \$765.00             |
| 2500 lb (1134.0 kg) ..... | 17115 ..... | \$765.00             |
| 5000 lb (2268.0 kg) ..... | 21707 ..... | \$895.00             |

| INTERCHANGEABLE PRODUCTS |                       |
|--------------------------|-----------------------|
| Manufacturer             | Model                 |
| Fairbanks® .....         | 3-48424-X, 3-48363-1A |

Fairbanks is a registered trademark of Fairbanks Scales

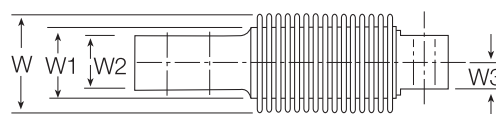
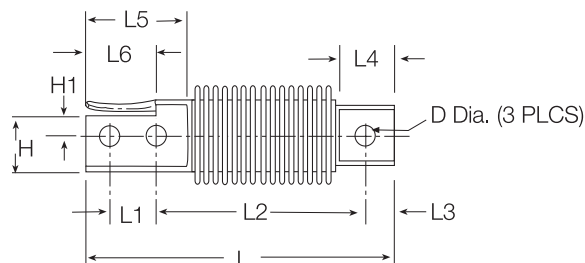
USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice



# Z6 Single-Ended Beam, Stainless Steel

## Welded Seal, IP67, OIML C3



| RATED<br>CAPACITY     | DIMENSIONS |     |       |      |      |     |      |      |      |      |      |      |     |      |
|-----------------------|------------|-----|-------|------|------|-----|------|------|------|------|------|------|-----|------|
|                       | H          | H1  | L     | L1   | L2   | L3  | L4   | L5   | L6   | W    | W1   | W2   | W3  | D    |
| <b>kg/millimeters</b> |            |     |       |      |      |     |      |      |      |      |      |      |     |      |
| 5-200                 | 23.1       | 8.1 | 120.0 | 18.0 | 82.0 | 9.9 | 21.3 | 41.9 | 27.9 | 41.9 | 30.0 | 20.1 | 9.9 | 8.20 |
| <b>lb/inches</b>      |            |     |       |      |      |     |      |      |      |      |      |      |     |      |
| 11-441.0              | .91        | .32 | 4.72  | .71  | 3.23 | .39 | .84  | 1.65 | 1.10 | 1.65 | 1.18 | .79  | .39 | .32  |

### SPECIFICATIONS

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms  
Material/Finish: Stainless steel  
Temperature: Compensated range  
14°F to 158°F/-10°C to 70°C  
Safe Overload: 150% Full scale  
Rated Excitation: 10V AC/DC (15V maximum)  
Combined Error: 0.05% Full scale

Insulation Resistance: 5000 megohms  
Seal Type: Welded seal, IP67  
Cable Length: 3.1m/10'  
Cable Color Code: Green ... + Excitation  
Black ..... - Excitation  
White .... + Signal  
Red ..... - Signal  
Yellow .... Shield  
Warranty: 1 year

### Z6 ORDER INFORMATION

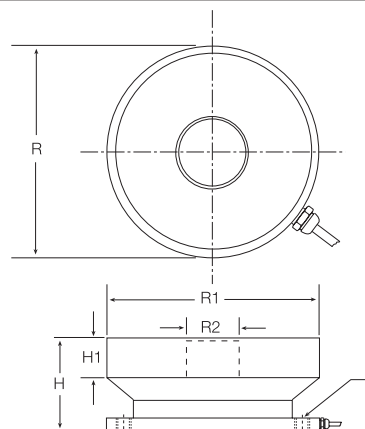
| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 5 kg (11 lb) .....      | 36172 ..... | \$575.00             |
| 10 kg (22.0 lb) .....   | 36173 ..... | \$575.00             |
| 20 kg (44.1 lb) .....   | 36174 ..... | \$575.00             |
| 50 kg (110.2 lb) .....  | 36175 ..... | \$575.00             |
| 100 kg (220.5 lb) ..... | 36176 ..... | \$575.00             |
| 200 kg (441.0 lb) ..... | 36177 ..... | \$575.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                |
|----------------------------------|----------------------|
| Rice Lake Weighing Systems ..... | (see page 123) RLHBB |
| Revere Transducers .....         | (see page 244) SHB   |
| Tedea-Huntleigh .....            | (see page 310) 355   |

# JRT Torsion Ring Transducer, Alloy Steel

## NTEP 1:10,000 Class IIIL Multiple Cell



| RATED CAPACITY        | H    | H1   | DIMENSIONS<br>R | R1    | R2   | T           |
|-----------------------|------|------|-----------------|-------|------|-------------|
| <b>lb/inches</b>      |      |      |                 |       |      |             |
| 20,000                | 2.00 | .75  | 4.50            | 4.42  | 1.00 | 3/8-24 UNF  |
| 50,000                | 2.50 | 1.00 | 5.50            | 5.42  | 1.50 | 7/16-20 UNF |
| 100,000               | 2.63 | 1.13 | 5.50            | 5.42  | 1.50 | 7/16-20 UNF |
| <b>kg/millimeters</b> |      |      |                 |       |      |             |
| 9071.9                | 50.8 | 19.1 | 114.3           | 112.3 | 25.4 | 3/8-24 UNF  |
| 22,679.6              | 63.5 | 25.4 | 139.7           | 137.7 | 38.1 | 7/16-20 UNF |
| 45,359.2              | 66.8 | 28.7 | 139.7           | 137.7 | 38.1 | 7/16-20 UNF |

### SPECIFICATIONS

|                    |                                                  |                        |                                                                                                                       |
|--------------------|--------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         | Insulation Resistance: | 5000 megohms                                                                                                          |
| Bridge Resistance: | 700 ohms                                         | Seal Type:             | Environmentally protected                                                                                             |
| Material/Finish:   | Alloy steel                                      | Cable Length:          | 35'/10.7m                                                                                                             |
| Temperature:       | Compensated range<br>14°F to 113°F/-10°C to 45°C | Cable Color Code:      | Green ... + Excitation<br>Black ..... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Safe Overload:     | 150% Full scale                                  | Warranty:              | 1 year                                                                                                                |
| Rated Excitation:  | 20V AC/DC                                        |                        |                                                                                                                       |
| Combined Error:    | 0.03% Full scale                                 |                        |                                                                                                                       |

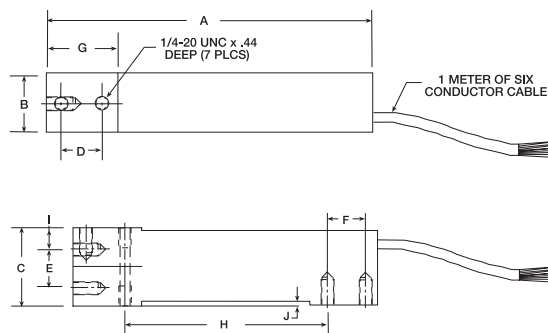
### JRT ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| <b>NTEP 1:10000</b>            |             |                      |
| 50,000 lb (22,679.6 kg) .....  | 36179 ..... | \$925.00             |
| 100,000 lb (45,359.2 kg) ..... | 36180 ..... | \$1050.00            |
| <b>Non-NTEP</b>                |             |                      |
| 20,000 lb (9071.9 kg) .....    | 36178 ..... | \$825.00             |



# SP4 Single Point, Aluminum

## NTEP 1:5,000 Class III Single Point



| RATED<br>CAPACITY              | DIMENSIONS |      |      |      |      |      |      |      |      |      |
|--------------------------------|------------|------|------|------|------|------|------|------|------|------|
|                                | A          | B    | C    | D    | E    | F    | G    | H    | I    | J    |
| <b>kg/millimeters</b><br>7-100 | 150.3      | 25.4 | 39.9 | 19.1 | 19.1 | 19.1 | 33.8 | 99.6 | 11.4 | 2.4  |
| <b>lb/inches</b><br>15.4-220.5 | 5.92       | 1.0  | 1.57 | .75  | .75  | .75  | 1.33 | 3.92 | .45  | .093 |

### SPECIFICATIONS

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms nominal  
Material/Finish: Anodized Aluminum  
Temperature: Compensated range  
14°F to 104°F/-10°C to 40°C  
Safe Overload: 150% Full scale  
Rated Excitation: 10 AC/DC (15V maximum)  
Combined Error: 0.02% Full scale

Insulation Resistance: 5000 megohms  
Deflection at Capacity: 5-100 kg ≤ 0.4mm/.015"  
Seal Type: Environmentally protected  
Cable Length: 1m/ 3.3'  
Cable Color Code: Green ... + Excitation  
Black ..... - Excitation  
Orange . + Sense  
Blue ..... - Sense  
White .... + Signal  
Red ..... - Signal  
Yellow .... Shield

Warranty: 1 year

### SP4 ORDER INFORMATION

| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 7 kg (15.4 lb) .....    | 47853 ..... | \$210.00             |
| 10 kg (22.1 lb) .....   | 47854 ..... | \$210.00             |
| 15 kg (33.1 lb) .....   | 47855 ..... | \$210.00             |
| 20 kg (44.1 lb) .....   | 47856 ..... | \$210.00             |
| 30 kg (66.2 lb) .....   | 47857 ..... | \$210.00             |
| 50 kg (110.3 lb) .....  | 47858 ..... | \$210.00             |
| 70 kg (154.4 lb) .....  | 47859 ..... | \$210.00             |
| 100 kg (220.5 lb) ..... | 47860 ..... | \$210.00             |

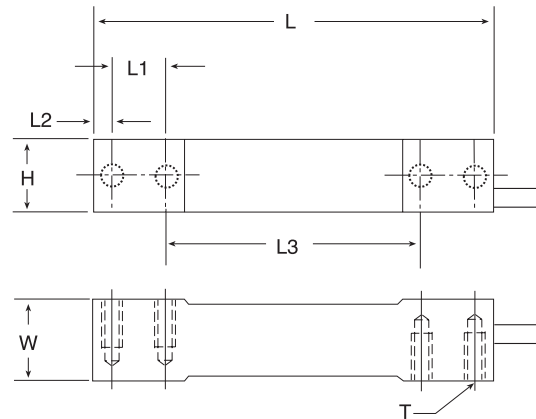
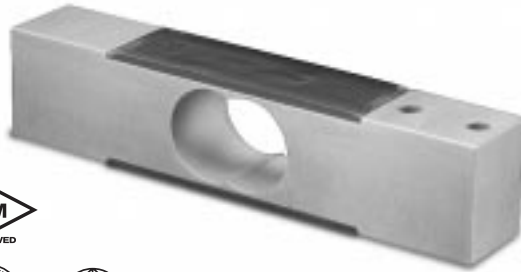
### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 149) RL1040 |
| Rice Lake Weighing Systems ..... | (see page 148) RL1042 |
| Celtron .....                    | (see page 188) LOC    |
| Revere Transducers .....         | (see page 260) 642    |
| Tedea-Huntleigh .....            | (see page 316) 1040   |
| Tedea-Huntleigh .....            | (see page 315) 1042   |



# PWS Single Point, Stainless Steel

## NTEP 1:3000 Class III Single Cell, OIML C3



| RATED CAPACITY        | H    | L     | L1   | L2  | L3   | T      | W    |
|-----------------------|------|-------|------|-----|------|--------|------|
| <b>kg/millimeters</b> |      |       |      |     |      |        |      |
| 7-15                  | 19.1 | 139.7 | 19.1 | 6.4 | 88.9 | 1/4-20 | 30.2 |
| 30-60                 | 23.9 | 139.7 | 19.1 | 6.4 | 88.9 | 1/4-20 | 30.2 |
| <b>lb/inches</b>      |      |       |      |     |      |        |      |
| 15.4-33.1             | .75  | 5.50  | .75  | .25 | 3.50 | 1/4-20 | 1.19 |
| 66.1-132.3            | .94  | 5.50  | .75  | .25 | 3.50 | 1/4-20 | 1.19 |

### SPECIFICATIONS

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         |
| Bridge Resistance: | 350 ohms                                         |
| Material/Finish:   | Stainless steel                                  |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Safe Overload:     | 150% Full scale                                  |
| Rated Excitation:  | 10V AC/DC (15V maximum)                          |
| Combined Error:    | 0.03% Full scale                                 |

|                        |                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance: | 1000 megohms                                                                                                         |
| Seal Type:             | Environmentally protected                                                                                            |
| Cable Length:          | 3.1m/10'                                                                                                             |
| Cable Color Code:      | Green ... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red ..... - Signal<br>Yellow .... Shield |
| Warranty:              | 1 year                                                                                                               |

### PWS ORDER INFORMATION

| Load Rating            | Part #      | Suggested List Price |
|------------------------|-------------|----------------------|
| <b>OIML*</b>           |             |                      |
| 7 kg (15.4 lb) .....   | 40571 ..... | \$300.00             |
| 10 kg (22.0 lb) .....  | 40570 ..... | \$300.00             |
| 15 kg (33.1 lb) .....  | 40569 ..... | \$300.00             |
| 30 kg (66.1 lb) .....  | 40568 ..... | \$300.00             |
| 60 kg (132.3 lb) ..... | 40567 ..... | \$300.00             |

### NTEP 1:3000

|                        |             |          |
|------------------------|-------------|----------|
| 7 kg (15.4 lb) .....   | 36185 ..... | \$300.00 |
| 10 kg (22.0 lb) .....  | 36186 ..... | \$300.00 |
| 15 kg (33.1 lb) .....  | 36187 ..... | \$300.00 |
| 30 kg (66.1 lb) .....  | 36188 ..... | \$300.00 |
| 60 kg (132.3 lb) ..... | 36189 ..... | \$300.00 |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 151) RL1380 |

## Compression Canisters

1200, Alloy Steel/Aluminum ..... Page 228



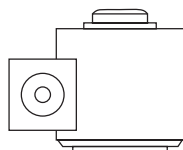
The 1200 Series' compact design permits smaller, more compact testing machines, portability and allows for weighing systems of substantially smaller dimensions. Resistance to extraneous forces produces high fatigue life, permits less stringent mounting alignment, and reduces the possibility of reading errors. Capacities from 1000 to 100,000 lb (453.6 to 45,359.2 kg). Complete with 10' (3.1m) of load cell cable.

3200, Stainless Steel ..... Page 229



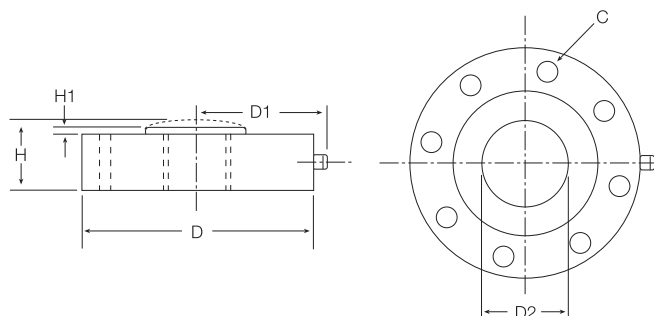
The 3200 Series stainless steel load cells are designed specifically for difficult applications in harsh environments. These units incorporate welded stainless steel diaphragms to resist corrosion and to seal against moisture intrusion. These load cells provide high accuracy, resistance to off-center loads with minimum error, excellent temperature specifications, and low height envelope for ease of installation. Capacities from 5000 to 100,000 lb (2268.0 to 45,359.2 kg). Complete with 20' (6.1m) of load cell cable.

*Do not see the specific Interface product you desire?*  
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Interface products.



# interface

## 1200 Series Compression Canister, Low Profile Alloy Steel/Aluminum



| RATED CAPACITY        | C                  | D     | DIMENSIONS<br>D1 | D2   | H    | H1  |
|-----------------------|--------------------|-------|------------------|------|------|-----|
| <b>lb/inches</b>      |                    |       |                  |      |      |     |
| 1000-10,000           | .28 Dia. 8 Holes   | 4.12  | 2.63             | 1.34 | 1.37 | .12 |
| 25,000-50,000         | .34 Dia. 4 Holes   | 4.75  | 2.95             | 1.57 | 1.75 | .12 |
| 100,000               | .47 Dia. 12 Holes  | 7.50  | 4.32             | 3.12 | 2.25 | .25 |
| <b>kg/millimeters</b> |                    |       |                  |      |      |     |
| 453.6-4535.9          | 7.1 Dia. 8 Holes   | 104.6 | 66.8             | 34.0 | 34.8 | 3.0 |
| 11,339.8-22,679.6     | 8.6 Dia. 4 Holes   | 120.7 | 74.9             | 39.9 | 44.5 | 3.0 |
| 45,359.2              | 11.9 Dia. 12 Holes | 190.5 | 109.7            | 79.2 | 57.2 | 6.4 |

### SPECIFICATIONS:

|                    |                                                          |                        |                                                                                                    |
|--------------------|----------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V (1000-2000 lb)<br>4.0 mV/V (5000-100,000 lb)    | Hysteresis:            | 0.02-0.04% Full scale                                                                              |
| Bridge Resistance: | 350 ohms, nominal                                        | Insulation Resistance: | 5000 megohms                                                                                       |
| Material/Finish:   | 1000-2000 lb - Aluminum<br>5000-100,000 lb - Alloy steel | Seal Type:             | Environmentally protected                                                                          |
| Temperature:       | Compensated range<br>15°F to 115°F/-9°C to 46°C          | Cable Length:          | 10'/3.1m                                                                                           |
| Safe Overload:     | 150% Full scale                                          | Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal |
| Rated Excitation:  | 10V AC/DC (20V maximum)                                  | Warranty:              | 2 years                                                                                            |
| Nonlinearity:      | 0.05% Full scale                                         |                        |                                                                                                    |

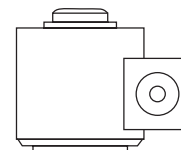
### 1200 ORDER INFORMATION

| Load Rating              | Part # | Suggested List Price |
|--------------------------|--------|----------------------|
| <b>Aluminum</b>          |        |                      |
| 1000 lb (453.6 kg)       | 36132  | \$650.00             |
| 2000 lb (907.2 kg)       | 36133  | \$650.00             |
| <b>Alloy steel</b>       |        |                      |
| 5000 lb (2268.0 kg)      | 36134  | \$765.00             |
| 10,000 lb (4535.9 kg)    | 36135  | \$765.00             |
| 25,000 lb (11,339.8 kg)  | 36136  | \$875.00             |
| 50,000 lb (22,679.6 kg)  | 36137  | \$875.00             |
| 100,000 lb (45,359.2 kg) | 36138  | \$1,795.00           |

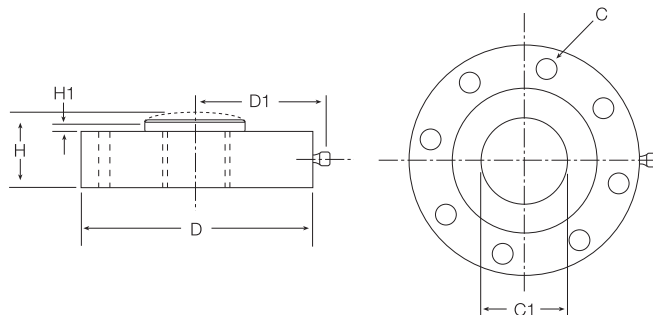
Load cell bases are available; consult factory.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171





## 3200 Compression Canister, Low Profile Stainless Steel, Hermetically Sealed, IP66/68



| RATED CAPACITY        | C                  | C1   | DIMENSIONS<br>D | D1    | H    | H1  |
|-----------------------|--------------------|------|-----------------|-------|------|-----|
| <b>lb/inches</b>      |                    |      |                 |       |      |     |
| 5000-10,000           | .28 Dia. 8 Holes   | 1.34 | 4.12            | 2.56  | 1.37 | .12 |
| 25,000-50,000         | .34 Dia. 4 Holes   | 1.57 | 4.75            | 2.87  | 1.75 | .12 |
| 100,000               | .47 Dia. 12 Holes  | 3.12 | 7.50            | 4.25  | 2.25 | .25 |
| <b>kg/millimeters</b> |                    |      |                 |       |      |     |
| 2268.0-4535.9         | 7.1 Dia. 8 Holes   | 34.0 | 104.6           | 65.0  | 34.8 | 3.0 |
| 11,339.8-22,679.6     | 8.6 Dia. 4 Holes   | 39.9 | 120.7           | 72.9  | 44.5 | 3.0 |
| 45,359.2              | 11.9 Dia. 12 Holes | 79.2 | 190.5           | 108.0 | 57.2 | 6.4 |

### SPECIFICATIONS:

|                    |                                                 |                        |                                                                                                    |
|--------------------|-------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------|
| Full Scale Output: | 4.0 mV/V                                        | Insulation Resistance: | 5000 megohms                                                                                       |
| Bridge Resistance: | 350 ohms, nominal                               | Seal Type:             | Hermetically sealed                                                                                |
| Material/Finish:   | Stainless steel                                 | Cable Length:          | 20'/6.1m                                                                                           |
| Temperature:       | Compensated range<br>15°F to 115°F/-9°C to 46°C | Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal |
| Safe Overload:     | 150% Full scale                                 | Warranty:              | 2 years                                                                                            |
| Rated Excitation:  | 10V AC/DC (20V maximum)                         |                        |                                                                                                    |
| Nonlinearity:      | 0.05% Full scale                                |                        |                                                                                                    |
| Hysteresis:        | 0.04% Full scale                                |                        |                                                                                                    |

### 3200 ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 5000 lb (2268.0 kg) .....      | 36140 ..... | \$925.00             |
| 10,000 lb (4535.9 kg) .....    | 36141 ..... | \$925.00             |
| 25,000 lb (11,339.8 kg) .....  | 36142 ..... | \$1,125.00           |
| 50,000 lb (22,679.6 kg) .....  | 36143 ..... | \$1,125.00           |
| 100,000 lb (45,359.2 kg) ..... | 36144 ..... | \$2,295.00           |

Load cell bases are available; consult factory.

## S-Beams



363, Alloy Steel ..... Refer to Model No. 9363

S-beam type load cell with a compact and economical design. Ideally suited for scale conversions and general-purpose weighing. NTEP-certified capacities from 100 to 10,000 lb (45.4 to 4535.9 kg); non-NTEP capacity of 50 lb (22.7 kg). Includes 20' (6.1m) of load cell cable.



9363, Stainless Steel ..... Page 236

S-beam type load cell with a compact and economical design. Ideally suited for scale conversions and general-purpose weighing. NTEP-certified capacities from 100 to 10,000 lb (45.4 to 4535.9 kg); non-NTEP capacity of 50 lb (22.7 kg). Includes 20' (6.1m) of load cell cable.



BSP, Stainless Steel ..... Page 237

Welded seal stainless steel S-beam load cell designed for compression and tension. Ideal for scale conversions and general-purpose weighing. NTEP-certified capacities from 100 to 5000 lb (45.4 to 2268.0 kg); non-NTEP capacity of 10,000 lb (4535.9 kg). Integral 30' (9.2m) cable.



## Single-Ended Beams



5123, Alloy Steel ..... Page 238

Low-cost, high performance, single-ended beam designed for low-profile scales and process weighing in both trade and non-trade applications. Capacities of 1000 to 10,000 lb (453.6 to 4535.9 kg). Supplied with a 20' (6.1m) cable.



9123, Stainless Steel ..... Page 239

Low-cost, high performance, single-ended beam designed for low-profile scales and process weighing in both trade and non-trade applications. Capacities of 1000 to 10,000 lb (453.6 to 4535.9 kg). Supplied with a 20' (6.1m) cable.



9523, Stainless Steel ..... Page 240

Single-ended beam offers both welded sealing and stainless steel construction for use in most hostile environments. Applications include platform scales and process weighing. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg).



## Single-Ended Beams (Continued)

9102, Stainless Steel ..... Page 241



The Model 9102 is a form, fit and function for the RTI 5102. This product offers the added advantages of being stainless steel. Ideally suited for the toughest industrial applications where high accuracy and low profile are required. Capacities from 200 to 2500 lb (90.7 to 1134.0 kg). Complete with 10' (3.1m) of load cell cable.



5102, Alloy Steel ..... Page 242



The model 5102 is a single-ended beam type load cell. Below 500 lb (226.8 kg) and above are constructed as shear beams. Its high accuracy, low profile and redundant sealing make it well suited for use in small and medium platform scales and process applications in harsh environments. Capacities of 50 to 10,000 lb (22.7 to 4535.9 kg). Supplied with a 10' (3.1m) cable.



5723, Alloy Steel ..... Page 243



High-performance single-ended link beam uses a well-proven link-loading technique. This low-cost and flexible loading method allows load movement without reading error in tanks, hoppers and platform scales. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg).



SHB, Stainless Steel ..... Page 244



The model SHB is stainless steel and welded seal for the toughest industrial environments where high accuracy and low profile are required. Capacities from 20 to 200 kg (44.1 to 440.9 lb). Integral 10' (3.1m) cable.



SSB, Stainless Steel ..... Page 245



Rugged and precise single-ended beam offers welded seal protection and stainless steel construction. Designed for use in the most hostile environments. Applications include platform scales, materials testing and process weighing. NTEP-certified capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg); non-NTEP capacity of 40,000 lb (18,143.7 kg).



## Double-Ended Beams

5103, Alloy Steel ..... Page 246



Designed for truck, track, and process weighing. High accuracy, low profile, tolerance to non-axial loading and redundant seal. NTEP-certified capacities from 5000 to 100,000 (2268.0 to 45,359.2 kg); non-NTEP capacities from 5000 to 250,000 lb (2268.0 to 113,398.1 kg). Complete with 30' (9.2m) of load cell cable.



9103, Stainless Steel ..... Page 247



Stainless steel double-ended beam designed for truck, track, and process weighing. High accuracy, low profile, and tolerance to non-axial loading and redundant seal. Capacities from 5000 to 150,000 lb (2268.0 to 68,038.9 kg). NTEP certified capacities from 10,000 to 100,000 lb. Non-NTEP in 5,000 and 150,000 lb capacities. Complete with 30' (9.2m) of load cell cable.



5223, Alloy Steel ..... Page 248



Very high-performance end-loaded, center-supported double-ended beam designed for low-profile truck and track scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Capacities from 50,000 to 100,000 lb (22,679.6 to 45,359.2 kg).



## Compression Canisters

RLC, Stainless Steel ..... Page 249



The RLC is a low profile, high performance ring torsion type load cell in stainless steel. This product is suitable for small and medium platform scales as well as process weighing. Capacities from 500 to 5000 kg (1102.3 to 11,023.1 lb).



CP1, Stainless Steel ..... Page 250



Hermetically-sealed canister cell designed for compression service only. High-capacity transducers built for reliability, durability and extreme precision. CP (Compression Precision) cells are recommended for most industrial applications. Single or dual bridges available for 10,000 lb (4535.9 kg) only. Capacities from 10,000 to 500,000 lb (4535.9 to 226,796.2 kg). Integral 30' (9.2m) cable.



CSP1, Stainless Steel ..... Page 251



Hermetically-sealed canister cell designed for compression service only. High-capacity transducers built for reliability, durability and extreme precision. CSP (Compression Super Precision) cells are ideal for applications where optimum precision is needed. Single or dual bridges available for 10,000 lb (4535.9 kg) only. NTEP-certified capacities from 25,000 to 200,000 lb (11,339.8 to 90,718.5 kg); non-NTEP capacities from 10,000 to 500,000 lb (4535.9 to 226,796.2 kg). Integral 30' (9.2m) cable.



## Compression Canisters (Continued)



792, Alloy Steel ..... Page 252

Single-column design with low deflection and hermetically sealed for trouble-free operation. High-alloy steel, epoxy coated for trouble-free use in harsh environments. Capacities from 50,000 to 200,000 lb (22,679.6 to 90,718.5 kg). Compact and rugged.



92, Alloy Steel ..... Page 253

High-profile, high-accuracy compression type load cell for truck, tank, track and hopper applications. Ideally suited for harsh environments. Capacities from 5000 to 200,000 lb (2268.0 to 90,718.5 kg). 10' (3.1m) cable.



93, Alloy Steel ..... Page 254

High-profile, high-accuracy compression type load cell for truck, tank, track and hopper applications. Ideally suited for harsh environments.



## Tension/Compression Canisters



42U, Alloy Steel ..... Page 255

Highly accurate and reliable tension canister load cell ideally suited for tank and hopper applications. True hermetic seal. Optional stainless steel housing and lightning protection. 2mV/V output. Capacities from 5000 to 50,000 lb (2268.0 to 22,679.6 kg). Includes 10' (3.1m) of load cell cable.



43U, Alloy Steel ..... Page 256

Highly accurate and reliable tension canister load cell ideally suited for tank and hopper applications. True hermetic seal. Optional stainless steel housing and lightning protection.



62HU, Alloy Steel ..... Page 257

Dual-guided cantilever beam type cell for use in tension and compression applications. Useful in all low- to medium-level weighing applications in hostile environments. Capacities from 100 to 3000 lb (45.4 to 1360.8 kg). Integral 10' (3.1m) cable.



63HU, Alloy Steel ..... Page 258

Dual-guided cantilever beam type cell for use in tension and compression applications. Useful in all low- to medium-level weighing applications in hostile environments.



## Single Points

USP1, Alloy Steel ..... Page 259



Hermetically-sealed canister load cell combines high linearity with low deflection. USP1 (Universal Super Precision) cells used in tension applications and platform, tank, and hopper weighing installations. Dual bridge output optional. Capacities from 100 to 50,000 lb (45.4 to 22,679.6 kg). Integral 30' (9.2m) cable. 100-1000 lb (45.4-453.6 kg) cells have internal overload stops.



642, Aluminum ..... Page 260



Low-profile, single-point load cell. Designed for direct mounting of weighing platforms, hanging scales and other low-capacity beam applications. Long-term stability and durability are maintained. Capacities from 3 to 100 kg (6.6 to 220.5 lb). Includes 10' (3.1m) of load cell cable.



652, Aluminum ..... Page 261



High-capacity, single-point load cell accurately weighs loads from 50 to 1000 kg (110.2-2204.6 lb). Long-term stability and durability are maintained. Includes 10' (3.1m) of load cell cable.



462, Alloy Steel ..... Page 262



Very high-performance single-point cell designed for high-precision counter scales. Negligible error from off-center loading. Resistant to severe impact loading. Good water resistance. Capacities from 2 to 250 lb (.9 to 113.4 kg). Includes 10' (3.1m) of load cell cable.



HPS, Stainless Steel ..... Page 263



Low-profile single-point load cell designed for bench scale and checkweigher applications in caustic/acidic environments. Insensitive to off-center loading. Tolerates most severe washdowns. Capacities from 13.2 to 100 lb (6 to 45.4 kg). Includes 10' (3.1m) of load cell cable.

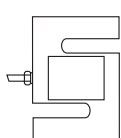


HPSM Metric Envelope, Stainless Steel ..... Page 264



Metric envelope. Low-profile single-point load cell designed for bench scale and checkweigher applications in caustic/acidic environments. Insensitive to off-center loading. Tolerates most severe washdowns. Capacity of 6 kg (13.2 lb). Includes 10' (3.1m) of load cell cable.

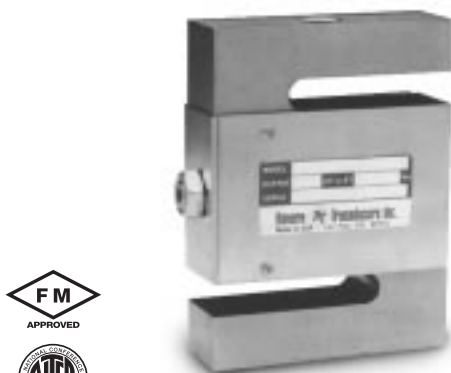




**Revere  
Transducers**

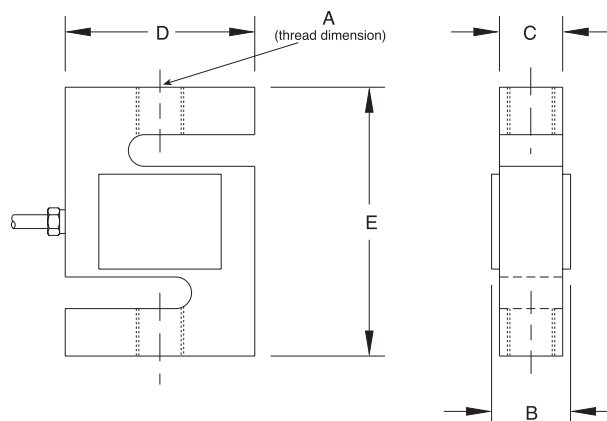
## 9363 S-Beam, Stainless Steel

### NTEP 1:10,000 Class IIIL Single Cell, IP67



#### SPECIFICATIONS:

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:         | 3.0 mV/V                                                                                                              |
| Bridge Resistance:         | 350 ohms, nominal                                                                                                     |
| Material/Finish:           | Stainless steel                                                                                                       |
| Temperature:               | Compensated range<br>14°F to 104°F/-10°C to 40°C                                                                      |
| Manufacturer Model Number: | 9363-B10-XX-20P1 (NTEP)<br>9363-D3-XX-20P1 (Non-NTEP)                                                                 |
| Safe Overload:             | 150% Full Scale                                                                                                       |
| Rated Excitation:          | 10V DC (15V maximum)                                                                                                  |
| Combined Error:            | 0.025% Full Scale                                                                                                     |
| Non-repeatability:         | 0.01% Full Scale                                                                                                      |
| Insulation Resistance:     | 5000 megohms                                                                                                          |
| Seal Type:                 | Environmentally protected, IP67                                                                                       |
| Cable Length:              | 20'/6.1m                                                                                                              |
| Cable Color Code:          | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal<br>Orange ... Shield |
| Warranty:                  | 3 years                                                                                                               |



| RATED CAPACITY        | DIMENSIONS    |      |      |      |      |
|-----------------------|---------------|------|------|------|------|
|                       | A             | B    | C    | D    | E    |
| <b>lb/inches</b>      |               |      |      |      |      |
| 50-300                | 1/4-28 UNF-2B | .65  | .46  | 2.00 | 2.40 |
| 500-1500              | 1/2-20 UNF-2B | .90  | .71  | 2.00 | 2.40 |
| 2000                  | 1/2-20 UNF-2B | 1.15 | .96  | 2.00 | 2.40 |
| 3000                  | 1/2-20 UNF-2B | 1.15 | .96  | 3.00 | 3.90 |
| 5000-10,000           | 3/4-16 UNF-2B | 1.15 | .96  | 3.00 | 3.90 |
| <b>kg/millimeters</b> |               |      |      |      |      |
| 22.7-136.1            | 1/4-28 UNF-2B | 16.5 | 11.7 | 50.8 | 61.0 |
| 226.8-680.4           | 1/2-20 UNF-2B | 22.9 | 18.0 | 50.8 | 61.0 |
| 907.2                 | 1/2-20 UNF-2B | 29.2 | 24.4 | 50.8 | 61.0 |
| 1360.8                | 1/2-20 UNF-2B | 29.2 | 24.4 | 76.2 | 99.1 |
| 2268.0-4535.9         | 3/4-16 UNF-2B | 29.2 | 24.4 | 76.2 | 99.1 |

#### 9363 ORDER INFORMATION

| Load Rating                 | Part # | Suggested List Price |
|-----------------------------|--------|----------------------|
| <b>NTEP 1:10,000 cells:</b> |        |                      |
| 100 lb (45.4 kg)            | 31317  | \$275.00             |
| 200 lb (90.7 kg)            | 31316  | \$275.00             |
| 300 lb (136.1 kg)           | 31315  | \$275.00             |
| 500 lb (226.8 kg)           | 31314  | \$275.00             |
| 750 lb (340.2 kg)           | 31313  | \$275.00             |
| 1000 lb (453.6 kg)          | 31312  | \$275.00             |
| 1500 lb (680.4 kg)          | 31311  | \$275.00             |
| 2000 lb (907.2 kg)          | 31310  | \$275.00             |
| 3000 lb (1360.8 kg)         | 31309  | \$315.00             |
| 5000 lb (2268.0 kg)         | 31318  | \$440.00             |
| 10,000 lb (4535.9 kg)       | 31308  | \$40.00              |

|                        |       |          |
|------------------------|-------|----------|
| <b>Non-NTEP cells:</b> |       |          |
| 50 lb (22.7 kg)        | 17076 | \$225.00 |

#### INTERCHANGEABLE PRODUCTS

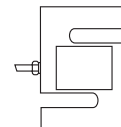
| Manufacturer               | Model                    |
|----------------------------|--------------------------|
| Rice Lake Weighing Systems | (see page 98) RL20000 SS |

#### WEIGH MODULE AVAILABLE

| Model                            | Page #        |
|----------------------------------|---------------|
| ITCM Isolated Tension Cell Mount | 24-29, or 335 |

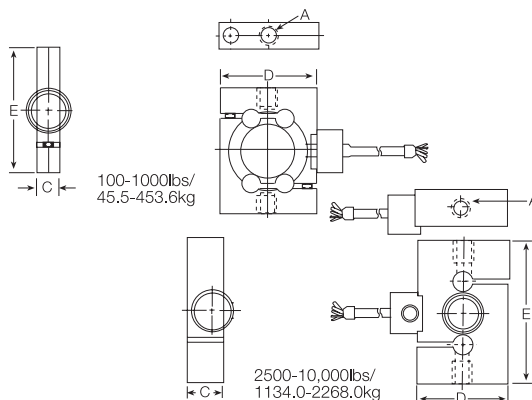
**Dramatically  
Reduced  
Prices!**





## BSP S-Beam, Stainless Steel

### Welded Seal, IP67, NTEP 1:10,000 Class IIIL Single Cell



#### SPECIFICATIONS:

|                        |                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                                                                              |
| Bridge Resistance:     | 350 ohms, nominal                                                                                     |
| Material/Finish:       | Stainless steel                                                                                       |
| Temperature:           | Operating range:<br>-65°F to 200°F/-54°C to 93°C<br>Compensated range:<br>14°F to 104°F/-10°C to 40°C |
| Manufacturer           | BSP-D3-XX-30P5 (Non-NTEP)                                                                             |
| Model Number:          | BSP-B10-XX-30P5 (NTEP)                                                                                |
| Safe Overload:         | 150% Full Scale                                                                                       |
| Rated Excitation:      | 10V AC/DC (15V maximum)                                                                               |
| Combined Error:        | 0.03% Full Scale                                                                                      |
| Non Repeatability:     | 0.01% Full Scale                                                                                      |
| Insulation Resistance: | 5000 megohms                                                                                          |
| Seal Type:             | Welded seal, IP67                                                                                     |
| Cable Length:          | 30'/9.2m                                                                                              |
| Cable Color Code:      | Green ... + Excitation<br>Black ..... - Excitation<br>White ..... + Signal<br>Red ..... - Signal      |
| Warranty:              | 3 years                                                                                               |

#### RATED CAPACITY

##### lb/inches

|             | A             | C    | D    | E    |
|-------------|---------------|------|------|------|
| 100-250     | 3/8-24 UNF-3B | .94  | 2.48 | 3.32 |
| 500         | 1/2-20 UNF-3B | .71  | 2.44 | 3.50 |
| 1000        | 1/2-20 UNF-3B | .71  | 2.94 | 3.50 |
| 2500        | 1/2-20 UNF-3B | .95  | 2.44 | 3.75 |
| 5000-10,000 | 1-14 UNS-3B   | 1.44 | 2.44 | 4.75 |

##### kg/millimeters

|               | A             | C    | D    | E     |
|---------------|---------------|------|------|-------|
| 45.4-113.4    | 3/8-24 UNF-3B | 23.9 | 63.0 | 84.3  |
| 226.8         | 1/2-20 UNF-3B | 18.0 | 62.0 | 88.9  |
| 453.6         | 1/2-20 UNF-3B | 18.0 | 74.7 | 88.9  |
| 1134.0        | 1/2-20 UNF-3B | 24.1 | 62.0 | 95.3  |
| 2268.0-4535.9 | 1-14 UNS-3B   | 36.6 | 62.0 | 120.7 |

#### BSP ORDER INFORMATION

| Load Rating         | Part # | Suggested List Price |
|---------------------|--------|----------------------|
| 100 lb (45.4 kg)    | 21447  | \$495.00             |
| 250 lb (113.4 kg)   | 21448  | \$495.00             |
| 500 lb (226.8 kg)   | 21449  | \$495.00             |
| 1000 lb (453.6 kg)  | 21450  | \$495.00             |
| 2500 lb (1134.0 kg) | 21451  | \$660.00             |
| 5000 lb (2268.0 kg) | 21452  | \$660.00             |

#### Non-NTEP cells:

|                       |       |          |
|-----------------------|-------|----------|
| 10,000 lb (4535.9 kg) | 17032 | \$660.00 |
|-----------------------|-------|----------|

#### WEIGH MODULE AVAILABLE

| Model                            | Page #        |
|----------------------------------|---------------|
| ITCM Isolated Tension Cell Mount | 24-29, or 335 |



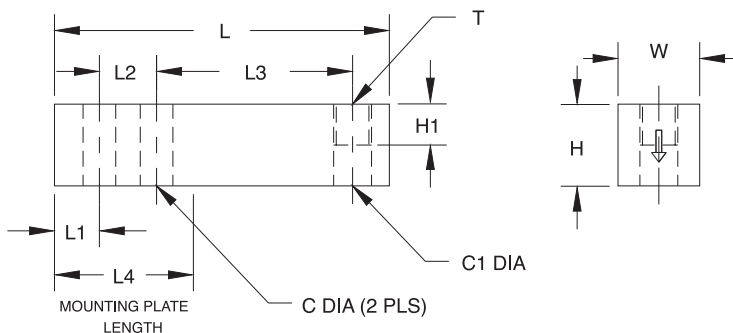




Revere  
Transducers

## 5123 Single-Ended Beam, Alloy Steel

### NTEP 1:5000 Class III Multiple Cell, IP67



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |       |      |      |      |      |               |      |
|-----------------------|------------|------|------|------|-------|------|------|------|------|---------------|------|
|                       | C          | C1   | H    | H1   | L     | L1   | L2   | L3   | L4   | T             | W    |
| <b>lb/inches</b>      |            |      |      |      |       |      |      |      |      |               |      |
| 1000-4000             | .53        | .53  | 1.25 | .62  | 5.12  | .62  | 1.00 | 3.00 | 2.25 | 1/2-20 UNF-2B | 1.25 |
| 5000-10,000           | .78        | .78  | 1.50 | .75  | 6.75  | .75  | 1.50 | 3.75 | 3.00 | 3/4-16 UNF-2B | 1.50 |
| <b>kg/millimeters</b> |            |      |      |      |       |      |      |      |      |               |      |
| 453.6-1814.4          | 13.5       | 13.5 | 31.8 | 15.8 | 130.0 | 15.8 | 25.4 | 76.2 | 57.2 | 1/2-20 UNF-2B | 31.8 |
| 2268.0-4535.9         | 19.8       | 19.8 | 38.1 | 19.1 | 171.5 | 19.1 | 38.1 | 95.3 | 76.2 | 3/4-16 UNF-2B | 38.1 |

#### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: High-alloy steel, nickel plated  
Temperature: Compensated range  
14°F to 104°F/-10°C to 40°C  
Manufacturer: 5123-A5-XX-20P1  
Model Number: 150% Full scale  
Safe Overload: 10V AC/DC (15V maximum)  
Rated Excitation: Combined Error: 0.025% Full scale  
Non-repeatability: 0.01% Full scale

Insulation Resistance: 5000 megohms  
Deflection at Capacity: 1000 lb = .016"/.4mm, 2500 lb = .03"/.8mm,  
4000 lb = .04"/1.0mm, 5000 lb = .035"/.9mm,  
10,000 lb = .042"/1.1mm  
Seal Type: Environmentally protected, IP67  
Cable Length: 20'/6.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ..... + Signal  
White ..... - Signal  
Orange ... Shield  
Warranty: 3 years

#### 5123 ORDER INFORMATION

| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| 1000 lb (453.6 kg) .....    | 21516 ..... | \$295.00             |
| 2500 lb (1134.0 kg) .....   | 21517 ..... | \$295.00             |
| 4000 lb (1814.4 kg) .....   | 21518 ..... | \$295.00             |
| 5000 lb (2268.0 kg) .....   | 21519 ..... | \$375.00             |
| 10,000 lb (4535.9 kg) ..... | 21520 ..... | \$375.00             |

#### INTERCHANGEABLE PRODUCTS

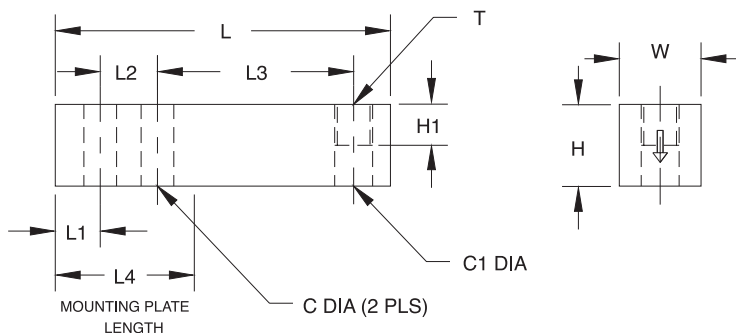
| Manufacturer                     | Model                  |
|----------------------------------|------------------------|
| Rice Lake Weighing Systems ..... | (see page 102) RL30000 |
| Sensortronics .....              | (see page 274) 65023   |
| Tedea Huntleigh .....            | (see page 306) 3411    |

#### WEIGH MODULE AVAILABLE

| Model               | Page # |
|---------------------|--------|
| RL1800 Series ..... | 40     |
| RL50210TA .....     | 30     |



# 9123 Single-Ended Beam, Stainless Steel, IP67



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |       |      |      |      |      |               |      |
|-----------------------|------------|------|------|------|-------|------|------|------|------|---------------|------|
|                       | C          | C1   | H    | H1   | L     | L1   | L2   | L3   | L4   | T             | W    |
| <b>lb/inches</b>      |            |      |      |      |       |      |      |      |      |               |      |
| 1000-4000             | .53        | .53  | 1.25 | .62  | 5.12  | .62  | 1.00 | 3.00 | 2.25 | 1/2-20 UNF-2B | 1.25 |
| 5000-10,000           | .78        | .78  | 1.50 | .75  | 6.75  | .75  | 1.50 | 3.75 | 3.00 | 3/4-16 UNF-2B | 1.50 |
| <b>kg/millimeters</b> |            |      |      |      |       |      |      |      |      |               |      |
| 453.6-1814.4          | 13.5       | 13.5 | 31.8 | 15.8 | 130.1 | 15.8 | 25.4 | 76.2 | 57.2 | 1/2-20 UNF-2B | 31.8 |
| 2268.0-4535.9         | 19.8       | 19.8 | 38.1 | 19.1 | 171.5 | 19.1 | 38.1 | 95.3 | 76.2 | 3/4-16 UNF-2B | 38.1 |

## SPECIFICATIONS:

|                    |                                                 |                         |                                                                                                                         |
|--------------------|-------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                        | Insulation Resistance:  | 5000 megohms                                                                                                            |
| Bridge Resistance: | 350 ohms, nominal                               | Deflection at Capacity: | 1000 lb = .016"/.4mm, 2500 lb = .03"/.8mm, 4000 lb = .04"/1.0mm, 5000 lb = .035"/.9mm, 10,000 lb = .042"/1.1mm          |
| Material/Finish:   | Stainless steel                                 | Seal Type:              | Environmentally protected, IP67                                                                                         |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C | Cable Length:           | 20'/6.1m                                                                                                                |
| Manufacturer       |                                                 | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal<br>Orange ... Shield |
| Model Number:      | 9123-D3-XX-20P1                                 | Warranty:               | 3 years                                                                                                                 |
| Safe Overload:     | 150% Full scale                                 |                         |                                                                                                                         |
| Rated Excitation:  | 10V AC/DC (15V maximum)                         |                         |                                                                                                                         |
| Combined Error:    | 0.03% Full scale (9123-D3)                      |                         |                                                                                                                         |
| Non-repeatability: | 0.01% Full scale (9123-D3)                      |                         |                                                                                                                         |

## 9123 ORDER INFORMATION

| Load Rating           | Part # | Suggested List Price |
|-----------------------|--------|----------------------|
| <b>9123-D3 1:3000</b> |        |                      |
| 1000 lb (453.6 kg)    | 17231  | \$295.00             |
| 2500 lb (1134.0 kg)   | 17232  | \$325.00             |
| 4000 lb (1814.4 kg)   | 17233  | \$325.00             |
| 5000 lb (2268.0 kg)   | 17234  | \$450.00             |
| 10,000 lb (4535.9 kg) | 17235  | \$450.00             |

## INTERCHANGEABLE PRODUCTS

| Manufacturer               | Model                  |
|----------------------------|------------------------|
| Rice Lake Weighing Systems | (see page 104) RL39123 |
| HBM                        | (see page 216) B35     |

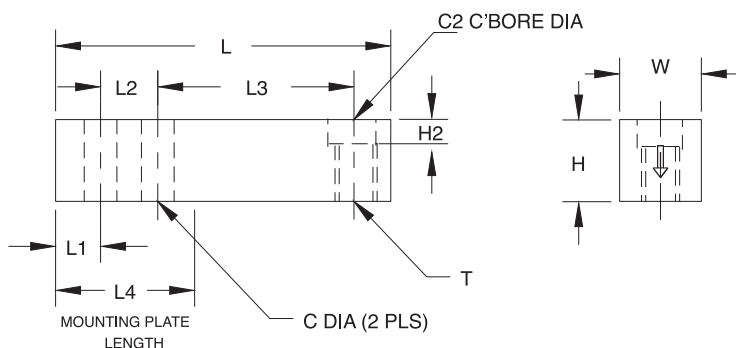
## WEIGH MODULE AVAILABLE

| Model         | Page # |
|---------------|--------|
| RL1800 Series | 40     |
| RL50210TA     | 30     |



## Revere Transducers

## 9523 Single-Ended Beam, Stainless Steel Welded Seal, IP67



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |       |      |      |      |       |            |      |
|-----------------------|------------|------|------|------|-------|------|------|------|-------|------------|------|
|                       | C          | C2   | H    | H2   | L     | L1   | L2   | L3   | L4    | T          | W    |
| <b>lb/inches</b>      |            |      |      |      |       |      |      |      |       |            |      |
| 1000-4000             | .53        | .81  | 1.25 | .56  | 6.12  | 1.62 | 1.00 | 3.00 | 3.38  | 1/2-20 UNF | 1.25 |
| 5000-10,000           | .78        | 1.19 | 1.50 | .59  | 7.71  | 1.71 | 1.50 | 3.75 | 4.08  | 3/4-16 UNF | 1.50 |
| <b>kg/millimeters</b> |            |      |      |      |       |      |      |      |       |            |      |
| 453.6-1814.4          | 13.5       | 20.6 | 31.8 | 14.2 | 155.5 | 41.2 | 25.4 | 76.2 | 85.9  | 1/2-20 UNF | 31.8 |
| 2268.0-4535.9         | 19.8       | 30.2 | 38.1 | 15.0 | 195.8 | 43.4 | 38.1 | 95.3 | 103.6 | 3/4-16 UNF | 38.1 |

|                    |                                                 |
|--------------------|-------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                        |
| Bridge Resistance: | 350 ohms, nominal                               |
| Material/Finish:   | Stainless steel                                 |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C |
| Manufacturer       |                                                 |
| Model Number:      | 9523-D3-XX-20P1                                 |
| Safe Overload:     | 150% Full scale                                 |
| Rated Excitation:  | 10V AC/DC (15V maximum)                         |
| Non-repeatability: | 0.01% Full scale (9523-D3)                      |
| Combined Error:    | 0.03% Full scale (9523-D3)                      |

|                         |                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance:  | 5000 megohms                                                                                                          |
| Deflection at Capacity: | 1000 lb = .016"/.4mm, 2500 lb = .03"/.8mm,<br>4000 lb = .041"/1.0mm, 5000 lb = .035"/.9mm,<br>10,000 lb = .042"/1.1mm |
| Seal Type:              | Welded seal*, IP67                                                                                                    |
| Cable Length:           | 20'/6.1m                                                                                                              |
| Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White .... - Signal                      |
| Warranty:               | 3 years                                                                                                               |

## INTERCHANGEABLE PRODUCTS

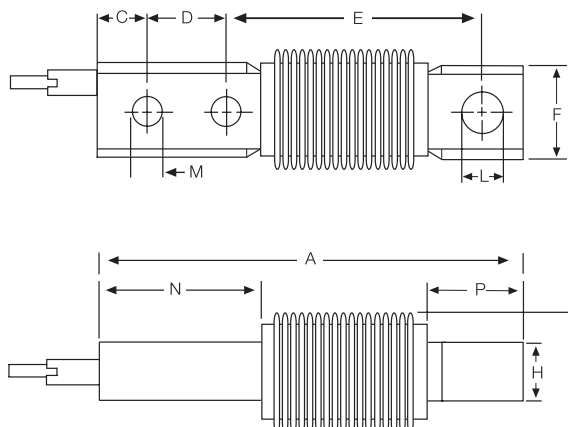
| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| <b>9523-D3 1:3000</b>       |             |                      |
| 1000 lb (453.6 kg) .....    | 17221 ..... | \$475.00             |
| 2500 lb (1134.0 kg) .....   | 17222 ..... | \$475.00             |
| 4000 lb (1814.4 kg) .....   | 17223 ..... | \$475.00             |
| 5000 lb (2268.0 kg) .....   | 17224 ..... | \$525.00             |
| 10,000 lb (4535.9 kg) ..... | 17225 ..... | \$550.00             |

| Manufacturer                                    | Model   |
|-------------------------------------------------|---------|
| Rice Lake Weighing Systems ..... (see page 112) | RL39523 |
| (has non-counterbored load hole)                |         |

\*NOTE: Conduit is recommended for maximum protection against ingress of water and moisture through the cable entry.



## 9102 Single-Ended Beam, Stainless Steel Welded Seal, IP66/68



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |      |      |      |      |      |      |
|-----------------------|------------|------|------|------|------|------|------|------|------|------|------|
|                       | A          | B    | C    | D    | E    | F    | H    | L    | M    | N    | P    |
| <b>kg/millimeters</b> |            |      |      |      |      |      |      |      |      |      |      |
| 90.7                  | 127.0      | 39.6 | 9.7  | 15.9 | 88.9 | 31.2 | 19.0 | 9.9  | 6.8  | 38.1 | 31.8 |
| 226.8-453.6           | 136.7      | 39.6 | 15.8 | 25.4 | 82.6 | 31.2 | 19.0 | 10.3 | 10.3 | 52.6 | 30.5 |
| 1134.0                | 136.7      | 39.7 | 15.8 | 25.4 | 82.6 | 31.2 | 19.0 | 13.5 | 10.3 | 52.6 | 30.5 |
| <b>lb/inches</b>      |            |      |      |      |      |      |      |      |      |      |      |
| 200                   | 5.00       | 1.56 | .38  | .62  | 3.50 | 1.23 | .75  | .39  | .27  | 1.50 | 1.25 |
| 500-1000              | 5.38       | 1.56 | .62  | 1.00 | 3.25 | 1.23 | .75  | .40  | .40  | 2.07 | 1.20 |
| 2500                  | 5.38       | 1.56 | .62  | 1.00 | 3.25 | 1.23 | .75  | .53  | .40  | 2.07 | 1.20 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
14°F to 104°F/-10°C to 40°C  
Manufacturer  
Model Number: 9102-D3-XX-10P1  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC (15V maximum)  
Combined Error: 0.03% Full scale

Non-repeatability: 0.01% Full scale  
Insulation Resistance: 5000 megohms  
Deflection at Capacity: 200 lb = .020"/.51mm, 500-2500 lb = .026"/.66mm  
Seal Type: Welded seal, IP66/68  
Cable Length: 10'/3.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ..... + Signal  
White ..... - Signal  
Orange ... Shield  
Warranty: 3 years

### 9102 ORDER INFORMATION

| Load Rating         | Part # | Suggested List Price |
|---------------------|--------|----------------------|
| 200 lb (90.7 kg)    | 40917  | \$505.00             |
| 500 lb (226.8 kg)   | 40918  | \$505.00             |
| 1000 lb (453.6 kg)  | 40919  | \$525.00             |
| 2500 lb (1134.0 kg) | 40920  | \$525.00             |

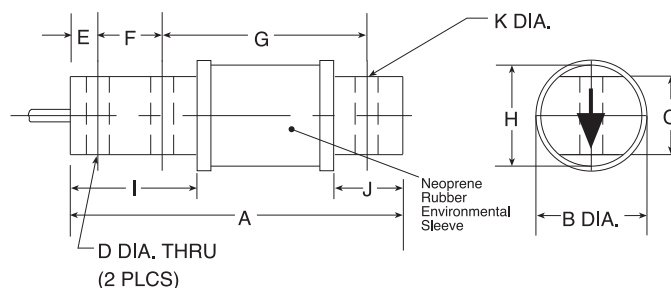
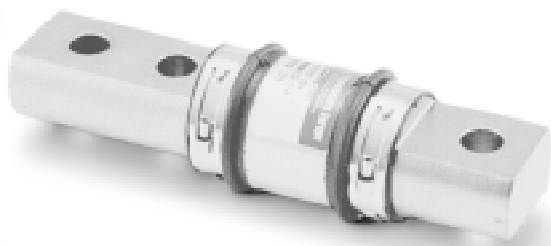
### INTERCHANGEABLE PRODUCTS

| Manufacturer       | Model               |
|--------------------|---------------------|
| Revere Transducers | (see page 242) 5102 |



**Revere  
Transducers**

## 5102 Single-Ended Beam, Alloy Steel, IP67



### RATED CAPACITY

#### lb/inches

50-200  
500-1000  
2500  
5000-10000

|            | A    | B    | C    | D   | E   | F    | G    | H    | I    | J    | K   |
|------------|------|------|------|-----|-----|------|------|------|------|------|-----|
| 50-200     | 5.00 | 1.56 | .75  | .27 | .38 | .62  | 3.50 | 1.23 | 1.50 | 1.25 | .39 |
| 500-1000   | 5.38 | 1.56 | .75  | .41 | .62 | 1.00 | 3.25 | 1.23 | 2.07 | 1.20 | .41 |
| 2500       | 5.38 | 1.56 | .75  | .41 | .62 | 1.00 | 3.25 | 1.23 | 2.07 | 1.20 | .53 |
| 5000-10000 | 7.28 | 2.16 | 1.38 | .66 | .75 | 1.75 | 4.03 | 1.70 | 3.47 | 1.56 | .78 |

#### kg/millimeters

22.7-90.7  
226.8-453.6  
1134.0  
2268.0-4535.9

|               |       |      |      |      |      |      |       |      |      |      |      |
|---------------|-------|------|------|------|------|------|-------|------|------|------|------|
| 22.7-90.7     | 127.0 | 39.6 | 19.1 | 6.9  | 9.7  | 15.7 | 88.9  | 31.2 | 38.1 | 31.8 | 9.9  |
| 226.8-453.6   | 136.7 | 39.6 | 19.1 | 10.4 | 15.8 | 25.4 | 82.6  | 31.2 | 52.6 | 30.5 | 10.3 |
| 1134.0        | 136.7 | 39.6 | 19.1 | 10.4 | 15.8 | 25.4 | 82.6  | 31.2 | 52.6 | 30.5 | 13.5 |
| 2268.0-4535.9 | 184.9 | 54.9 | 34.9 | 16.8 | 19.1 | 44.5 | 102.4 | 43.2 | 88.1 | 39.6 | 19.8 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: High-alloy steel, nickel plated  
Temperature: Compensated range  
0°F to 150°F/-18°C to 65° C  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC (15V maximum)  
Combined Error: 0.03% Full scale  
Non-repeatability: 0.01% Full scale  
Insulation Resistance: 5000 megohms

Deflection at Capacity: 50-200 lb = .020"/.51mm, 500-2500 lb = .026"/.66mm  
5000-10,000 lb = 0.38"/.97mm  
Seal Type: Environmentally protected with neoprene sleeve, IP67  
Cable Length: 10'/3.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green .... + Signal  
White .... - Signal  
Orange ... Shield  
Warranty: 3 years

### 5102 ORDER INFORMATION

| Load Rating           | Part # | Suggested List Price |
|-----------------------|--------|----------------------|
| 50 lb (22.7 kg)       | 21709  | \$485.00             |
| 100 lb (45.4 kg)      | 21710  | \$485.00             |
| 200 lb (90.7 kg)      | 21711  | \$485.00             |
| 500 lb (226.8 kg)     | 21712  | \$485.00             |
| 1000 lb (453.6 kg)    | 21713  | \$505.00             |
| 2500 lb (1134.0 kg)   | 21714  | \$505.00             |
| 5000 lb (2268.0 kg)   | 21715  | \$585.00             |
| 10,000 lb (4535.9 kg) | 21716  | \$585.00             |

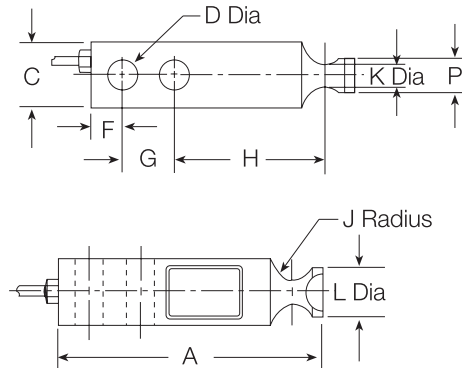
### INTERCHANGEABLE PRODUCTS

| Manufacturer | Model               |
|--------------|---------------------|
| Revere       | (see page 241) 9102 |



## 5723 Link Beam, Alloy Steel

### NTEP 1:5000 Class III, Multiple Cell, IP67



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |      |      |      |      |      |
|-----------------------|------------|------|------|------|------|------|------|------|------|------|
|                       | A          | C    | D    | F    | G    | H    | J    | K    | L    | P    |
| <b>lb/inches</b>      |            |      |      |      |      |      |      |      |      |      |
| 1000-4000             | 5.12       | 1.25 | .53  | .62  | 1.00 | 3.00 | .44  | .60  | .92  | .62  |
| 5000-10,000           | 6.75       | 1.50 | .78  | .75  | 1.50 | 3.75 | .56  | .86  | 1.20 | .90  |
| <b>kg/millimeters</b> |            |      |      |      |      |      |      |      |      |      |
| 453.6-1814.4          | 130.1      | 31.8 | 13.5 | 15.8 | 25.4 | 76.2 | 11.2 | 15.2 | 23.4 | 15.8 |
| 2268.0-4535.9         | 171.5      | 38.1 | 19.8 | 19.1 | 38.1 | 95.3 | 14.2 | 21.8 | 30.5 | 22.9 |

#### SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                         |
| Bridge Resistance: | 350 ohms, nominal                                |
| Material/Finish:   | High-alloy steel                                 |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Manufacturer       |                                                  |
| Model Number:      | 5723-A5-XX-20P1                                  |
| Safe Overload:     | 150% Full scale                                  |
| Rated Excitation:  | 10V AC/DC (15V maximum)                          |
| Non-repeatability: | 0.01% Full scale                                 |

|                         |                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Combined Error:         | 0.02% Full scale                                                                                                        |
| Insulation Resistance:  | 5000 megohms                                                                                                            |
| Deflection at Capacity: | 1000 lb = .016"/.4mm, 2500 lb = .03"/.8mm,<br>4000 lb = .04"/1.0mm, 5000 lb = .035"/.9mm,<br>10,000 lb = .042"/1.1mm    |
| Seal Type:              | Environmentally protected, IP67                                                                                         |
| Cable Length:           | 20'/6.1m                                                                                                                |
| Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal<br>Orange ... Shield |
| Warranty:               | 3 years                                                                                                                 |

#### 5723 ORDER INFORMATION

| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| 1000 lb (453.6 kg) .....    | 31396 ..... | \$390.00             |
| 2500 lb (1134.0 kg) .....   | 31397 ..... | \$390.00             |
| 4000 lb (1814.4 kg) .....   | 31398 ..... | \$390.00             |
| 5000 lb (2268.0 kg) .....   | 31399 ..... | \$505.00             |
| 10,000 lb (4535.9 kg) ..... | 31400 ..... | \$525.00             |

#### INTERCHANGEABLE PRODUCTS

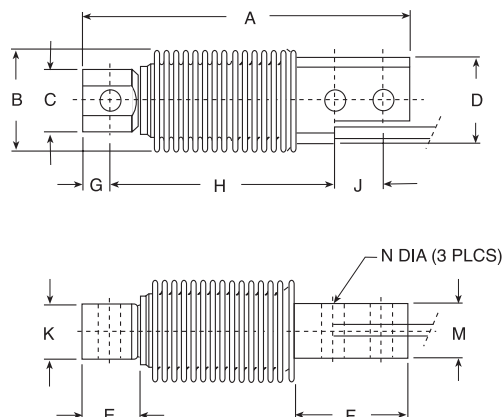
| Manufacturer | Model |
|--------------|-------|
| Artech ..... | 30410 |



Revere  
Transducers

# SHB Single-Ended Beam, Stainless Steel

## Welded Seal, IP67, NTEP 1:3000 Class III Single Cell



| RATED<br>CAPACITY | DIMENSIONS |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | A          | B    | C    | D    | E    | F    | G    | H    | J    | K    | M    | N    |
| kg/millimeters    |            |      |      |      |      |      |      |      |      |      |      |      |
| 20-200            | 120.0      | 38.0 | 22.9 | 31.7 | 21.2 | 42.0 | 10.0 | 82.0 | 18.0 | 20.0 | 20.0 | 8.20 |
| lb/inches         |            |      |      |      |      |      |      |      |      |      |      |      |
| 44-441            | 4.72       | 1.50 | .90  | 1.28 | .83  | 1.65 | .39  | 3.23 | .71  | .79  | .79  | .32  |

### SPECIFICATIONS:

|                    |                                                        |
|--------------------|--------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                               |
| Bridge Resistance: | 350 ohms, nominal                                      |
| Material/Finish:   | Stainless steel                                        |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C       |
| Manufacturer       |                                                        |
| Model Number:      | SHB-A3-XX-10P5                                         |
| Safe Overload:     | 150% Full scale                                        |
| Rated Excitation:  | 10V DC (15V maximum)                                   |
| Combined Error:    | 0.03% Full scale (SHB-D3)<br>0.02% Full scale (SHB-A3) |

|                         |                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Non-repeatability:      | 0.01% Full scale                                                                                                         |
| Insulation Resistance:  | 5000 megohms                                                                                                             |
| Deflection at Capacity: | 20-200 kg = .4mm/.015"                                                                                                   |
| Seal Type:              | Welded seal, IP67                                                                                                        |
| Cable Length:           | 3m/10'                                                                                                                   |
| Cable Color Code:       | Green ..... + Excitation<br>Black ..... - Excitation<br>White ..... + Signal<br>Red ..... - Signal<br>Clear ..... Shield |
| Warranty:               | 3 years                                                                                                                  |

### SHB ORDER INFORMATION

| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| NTEP 1:3000:            |             |                      |
| 20 kg (44.1 lb) .....   | 28801 ..... | \$430.00             |
| 50 kg (110.2 lb) .....  | 28802 ..... | \$430.00             |
| 100 kg (220.5 lb) ..... | 28803 ..... | \$430.00             |
| 200 kg (440.9 lb) ..... | 28804 ..... | \$430.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                |
|----------------------------------|----------------------|
| Rice Lake Weighing Systems ..... | (see page 123) RLHBB |
| HBM .....                        | (see page 222) Z6    |
| Tedea-Huntleigh .....            | (see page 310) 355   |

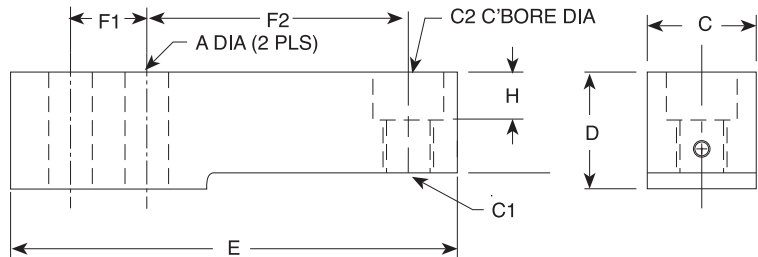


**Revere  
Transducers**



# SSB Single-Ended Beam, Stainless Steel

## Welded Seal, IP67, NTEP 1:3000 Class III Single Cell



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |       |      |       |      |
|-----------------------|------------|------|------|------|------|-------|------|-------|------|
|                       | A          | C    | C1   | C2   | D    | E     | F1   | F2    | H    |
| <b>lb/inches</b>      |            |      |      |      |      |       |      |       |      |
| 1000-5000             | .53        | 1.44 | .68  | 1.19 | 1.88 | 8.00  | 2.50 | 3.88  | .47  |
| 10,000                | .88        | 1.88 | 1.00 | 1.63 | 2.75 | 9.25  | 2.63 | 4.88  | .62  |
| <b>kg/millimeters</b> |            |      |      |      |      |       |      |       |      |
| 453.6-2268.0          | 13.5       | 36.6 | 17.3 | 30.2 | 47.8 | 203.2 | 63.5 | 98.6  | 11.9 |
| 4535.9                | 22.4       | 47.8 | 25.4 | 41.4 | 69.9 | 235.0 | 66.8 | 124.0 | 15.8 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: Stainless steel  
 Temperature: Compensated range 14°F to 104°F/-10°C to 40°C  
 Manufacturer: SSB-A3-XX-15P5 (NTEP)  
 Model Number: SSB-A3-XX-15P5 (NTEP)  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V AC/DC (15V maximum)  
 Combined Error: 0.02% Full scale  
 Non-repeatability: 0.01% Full scale  
 Insulation Resistance: 5000 megohms

Deflection at Capacity: 1000-10,000 lb = .018"/.45mm,  
 Seal Type: Welded seal\*, IP67  
 Cable Length: 1000-10,000 lb = 15'/4.6m  
 Cable Color Code: Green .... + Excitation  
 Black ..... - Excitation  
 White .... + Signal  
 Red ..... - Signal  
 Clear ..... Shield  
 Warranty: 3 years

| SSB ORDER INFORMATION       |             |                      |  |
|-----------------------------|-------------|----------------------|--|
| Load Rating                 | Part #      | Suggested List Price |  |
| 1000 lb (453.6 kg) .....    | 21538 ..... | \$600.00             |  |
| 2000 lb (907.2 kg) .....    | 21539 ..... | \$600.00             |  |
| 5000 lb (2268.0 kg) .....   | 21540 ..... | \$600.00             |  |
| 10,000 lb (4535.9 kg) ..... | 21541 ..... | \$715.00             |  |

| INTERCHANGEABLE PRODUCTS         |                      |
|----------------------------------|----------------------|
| Manufacturer                     | Model                |
| Rice Lake Weighing Systems ..... | (see page 116) RLSSB |
| HBM .....                        | (see page 220) SB3   |

| WEIGH MODULE AVAILABLE |        |
|------------------------|--------|
| Model                  | Page # |
| RL1900 Series .....    | 42     |

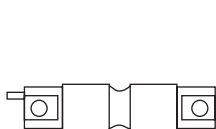


\* NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice

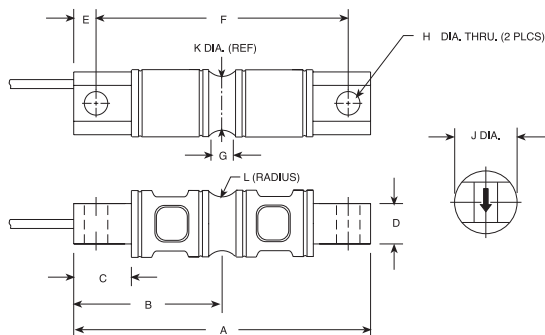




Revere  
Transducers

# 5103 Double-Ended Beam, Alloy Steel

## NTEP 1:10,000 Class IIIL Multiple Cell, IP67



| RATED<br>CAPACITY     | DIMENSIONS |       |      |       |      |       |      |      |       |       |      |
|-----------------------|------------|-------|------|-------|------|-------|------|------|-------|-------|------|
|                       | A          | B     | C    | D     | E    | F     | G    | H    | J     | K     | L    |
| <b>lb/inches</b>      |            |       |      |       |      |       |      |      |       |       |      |
| 5000-10,000           | 8.12       | 4.06  | 1.44 | 1.12  | .62  | 6.88  | .62  | .66  | 1.70  | 1.48  | .50  |
| 20,000                | 8.12       | 4.06  | 1.44 | 1.12  | .62  | 6.88  | .84  | .66  | 1.95  | 1.48  | .50  |
| 30,000-60,000         | 10.25      | 5.12  | 1.88 | 2.37  | .88  | 8.50  | 1.00 | 1.06 | 3.00  | 2.73  | 1.00 |
| 100,000               | 11.25      | 5.62  | 1.88 | 2.50  | .88  | 9.50  | 1.00 | 1.06 | 3.50  | 3.24  | 1.00 |
| 150,000               | 11.25      | 5.62  | 1.88 | 2.50  | .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 | 5.375 | 5.17  | 2.00 |
| <b>kg/millimeters</b> |            |       |      |       |      |       |      |      |       |       |      |
| 2268.0-4535.9         | 206.3      | 103.1 | 36.6 | 28.5  | 15.8 | 174.8 | 15.8 | 16.8 | 43.2  | 37.6  | 12.7 |
| 9071.9                | 206.3      | 103.1 | 36.6 | 14.2  | 21.3 | 174.8 | 21.3 | 16.8 | 49.5  | 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 | 76.2  | 69.3  | 25.4 |
| 45,359.4              | 285.8      | 142.8 | 47.8 | 63.5  | 22.4 | 241.3 | 25.4 | 26.9 | 88.9  | 82.3  | 25.4 |
| 68,093.1              | 285.8      | 142.8 | 47.8 | 63.5  | 22.4 | 241.3 | 31.8 | 26.9 | 99.1  | 92.5  | 38.1 |
| 90,718.7-113,398.4    | 408.9      | 204.5 | 77.5 | 116.8 | 39.4 | 330.2 | 33.0 | 39.6 | 136.5 | 131.3 | 50.8 |

### SPECIFICATIONS:

|                    |                                                       |                         |                                                                                                                                                                                           |
|--------------------|-------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                              | Insulation Resistance:  | 5000 megohms                                                                                                                                                                              |
| Bridge Resistance: | 700 ohms, nominal                                     | Deflection at Capacity: | 5000 lb = .02"/.5mm, 10,000 lb = .025"/.6mm, 20,000 lb = .042"/1.1mm, 30,000-50,000 = .02"/.5mm, 60,000 lb = .025"/.6mm, 100,000 -150,000 lb = .02"/.5mm, 200,000-250,000 lb = .035"/.9mm |
| Material/Finish:   | High-alloy steel, nickel plated                       | Seal Type:              | Environmentally protected, IP67                                                                                                                                                           |
| Temperature:       | Compensated range 14°F to 104°F/-10°C to 40°C         | Cable Length:           | 30'/9.2m                                                                                                                                                                                  |
| Manufacturer       |                                                       | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal<br>Orange ... Shield                                                                   |
| Model Number:      | 5103-B10-XX-30P1 (NTEP)<br>5103-D3-XX-30P1 (Non-NTEP) | Warranty:               | 3 years                                                                                                                                                                                   |
| Safe Overload:     | 150% Full scale                                       |                         |                                                                                                                                                                                           |
| Rated Excitation:  | 10V AC/DC (15V maximum)                               |                         |                                                                                                                                                                                           |
| Non-repeatability: | 0.01% Full scale                                      |                         |                                                                                                                                                                                           |
| Combined Error:    | 0.025% Full scale (0.03% Non-NTEP)                    |                         |                                                                                                                                                                                           |

### 5103 ORDER INFORMATION

| Load Rating                     | Part #      | Suggested List Price |
|---------------------------------|-------------|----------------------|
| 5000 lb (2268.0 kg) .....       | 34494 ..... | \$655.00             |
| 10,000 lb (4535.9 kg) .....     | 34495 ..... | \$655.00             |
| 20,000 lb (9071.9 kg) .....     | 34496 ..... | \$655.00             |
| 30,000 lb (13,607.8 kg) .....   | 34497 ..... | \$755.00             |
| 40,000 lb (18,143.7 kg) .....   | 34498 ..... | \$755.00             |
| 50,000 lb (22,679.7 kg) .....   | 34499 ..... | \$845.00             |
| 60,000 lb (27,215.6 kg) .....   | 34500 ..... | \$845.00             |
| 100,000 lb (45,359.4 kg) .....  | 34501 ..... | \$1,475.00           |
| <b>Non-NTEP cells:</b>          |             |                      |
| 150,000 lb (68,039.1 kg) .....  | 17292 ..... | \$1,475.00           |
| 200,000 lb (90,718.7 kg) .....  | 17293 ..... | \$2,450.00           |
| 250,000 lb (113,398.4 kg) ..... | 17294 ..... | \$2,450.00           |

### INTERCHANGEABLE PRODUCTS

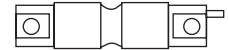
| Manufacturer                     | Model                  |
|----------------------------------|------------------------|
| Rice Lake Weighing Systems ..... | (see page 131) RL70000 |
| Celtron .....                    | (see page 181) CSB     |

### WEIGH MODULE AVAILABLE

| Model            | Page # |
|------------------|--------|
| EZ Mount 1 ..... | 52     |



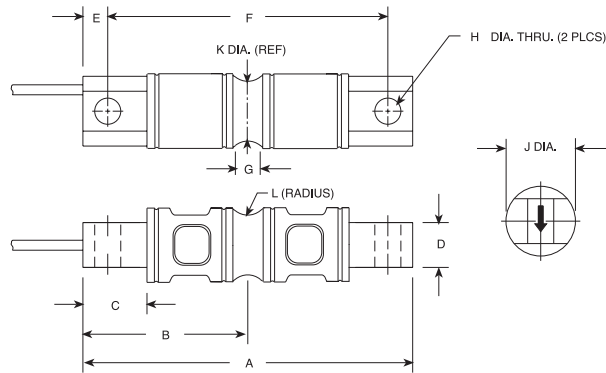
Revere  
Transducers



# 9103 Double-Ended Beam, Stainless Steel

## NTEP 1:10,000 Class IIIL Multiple Cell, IP67

PRICE  
REDUCED



### RATED CAPACITY

#### lb/inches

5000-10,000  
20,000  
30,000-60,000  
100,000  
150,000

| DIMENSIONS    |       |      |      |      |     |      |      |      |      |      |      |
|---------------|-------|------|------|------|-----|------|------|------|------|------|------|
|               | 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  | 1.70 | 1.48 | .50  |
| 20,000        | 8.12  | 4.06 | 1.44 | 1.12 | .62 | 6.88 | .84  | .66  | 1.95 | 1.48 | .50  |
| 30,000-60,000 | 10.25 | 5.12 | 1.88 | 2.37 | .88 | 8.50 | 1.00 | 1.06 | 3.00 | 2.73 | 1.00 |
| 100,000       | 11.25 | 5.62 | 1.88 | 2.50 | .88 | 9.50 | 1.00 | 1.06 | 3.50 | 3.24 | 1.00 |
| 150,000       | 11.25 | 5.62 | 1.88 | 2.50 | .88 | 9.50 | 1.25 | 1.06 | 3.90 | 3.64 | 1.50 |

#### kg/millimeters

2268.0-4535.9  
9071.9  
13,607.8-27,215.6  
45,359.4  
68,093.1

|                   |       |       |      |      |      |       |      |      |      |      |      |
|-------------------|-------|-------|------|------|------|-------|------|------|------|------|------|
| 2268.0-4535.9     | 206.3 | 103.1 | 36.6 | 28.5 | 15.8 | 174.8 | 15.8 | 16.8 | 43.2 | 37.6 | 12.7 |
| 9071.9            | 206.3 | 103.1 | 36.6 | 14.2 | 21.3 | 174.8 | 21.3 | 16.8 | 49.5 | 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 | 76.2 | 69.3 | 25.4 |
| 45,359.4          | 285.8 | 142.8 | 47.8 | 63.5 | 22.4 | 241.3 | 25.4 | 26.9 | 88.9 | 82.3 | 25.4 |
| 68,093.1          | 285.8 | 142.8 | 47.8 | 63.5 | 22.4 | 241.3 | 31.8 | 26.9 | 99.1 | 92.5 | 38.1 |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
Bridge Resistance: 700 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
0°F to 150°F/-18°C to 65°C  
Manufacturer  
Model Number: 9103-D3-XX-30P1  
Safe Overload: 150% Full scale  
Rated Excitation: 10V AC/DC (15V max)  
Non-repeatability: 0.02% Full scale  
Combined Error: 0.03% Full scale

Insulation Resistance: 5000 megohms  
Deflection at Capacity: 5000 lb = .02"/.5mm, 10,000 lb = .025"/.6mm,  
20,000 lb = .042"/1.1mm, 30,000-50,000 = .02"/.5mm,  
60,000 lb = .025"/.6mm, 100,000 -150,000 lb = .02"/.5mm  
Seal Type: Environmentally protected, IP67  
Cable Length: 30'/9.2m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ..... + Signal  
White ..... - Signal  
Orange ... Shield  
Warranty: 3 years

### 9103 ORDER INFORMATION

| Rated Capacity           | Part # | Suggested List Price |
|--------------------------|--------|----------------------|
| <b>NTEP</b>              |        |                      |
| 10,000 lb (4535.9 kg)    | 17329  | \$720.00             |
| 20,000 lb (9071.9 kg)    | 17330  | \$720.00             |
| 30,000 lb (13,607.8 kg)  | 17331  | \$800.00             |
| 40,000 lb (18,143.7 kg)  | 17332  | \$800.00             |
| 50,000 lb (22,679.6 kg)  | 17333  | \$890.00             |
| 60,000 lb (27,215.5 kg)  | 17334  | \$890.00             |
| 100,000 lb (45,359.2 kg) | 17335  | \$1,805.00           |
| <b>Non-NTEP</b>          |        |                      |
| 5000 lb (2268.0 kg)      | 17328  | \$690.00             |
| 150,000 lb (68,038.9 kg) | 17336  | \$1,875.00           |

### INTERCHANGEABLE PRODUCTS

| Manufacturer               | Model                           |
|----------------------------|---------------------------------|
| Rice Lake Weighing Systems | ..... (see page 132) RL70000 SS |
| Rice Lake Weighing Systems | ..... (see page 133) RL71000HE  |

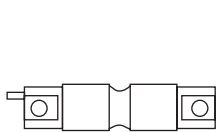
### WEIGH MODULE AVAILABLE

| Model      | Page # |
|------------|--------|
| EZ Mount 1 | 52     |

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Prices & Specifications subject to change without notice

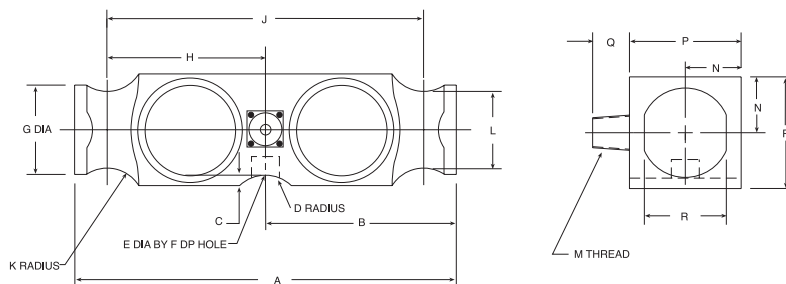
Revere Transducers, Inc



**Revere  
Transducers**

# 5223 Link Beam, Alloy Steel

## Welded Seal, IP67, NTEP 1:10,000 Class IIIL Multiple Cell



| RATED<br>CAPACITY     | DIMENSIONS |       |     |      |      |      |      |       |       |      |      |            |      |      |      |      |
|-----------------------|------------|-------|-----|------|------|------|------|-------|-------|------|------|------------|------|------|------|------|
|                       | A          | B     | C   | D    | E    | F    | G    | H     | J     | K    | L    | M          | N    | P    | Q    | R    |
| <b>lb/inches</b>      |            |       |     |      |      |      |      |       |       |      |      |            |      |      |      |      |
| 50,000-65,000         | 10.25      | 5.12  | .28 | 1.00 | .75  | .78  | 2.40 | 4.25  | 8.50  | 1.00 | 2.06 | 1/2-14 NPT | 1.50 | 3.00 | 1.03 | 2.20 |
| 100,000               | 10.25      | 5.12  | .28 | 1.00 | —    | —    | 2.40 | 4.25  | 8.50  | 1.00 | 2.06 | 1/2-14 NPT | 1.50 | 3.00 | 1.03 | 2.20 |
| <b>kg/millimeters</b> |            |       |     |      |      |      |      |       |       |      |      |            |      |      |      |      |
| 22,679.6-29,483.5     | 260.4      | 130.1 | 7.1 | 25.4 | 19.1 | 19.8 | 61.0 | 108.0 | 215.9 | 25.4 | 52.3 | 1/2-14 NPT | 38.1 | 76.2 | 26.2 | 55.9 |
| 45,359.2              | 260.4      | 130.1 | 7.1 | 25.4 | —    | —    | 61.0 | 108.0 | 215.9 | 25.4 | 52.3 | 1/2-14 NPT | 38.1 | 76.2 | 26.2 | 55.9 |

### SPECIFICATIONS:

|                    |                                               |                         |                                                                                                                       |
|--------------------|-----------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                      | Combined Error:         | 0.025% Full scale                                                                                                     |
| Bridge Resistance: | 700 ohms, nominal                             | Insulation Resistance:  | 5000 megohms                                                                                                          |
| Material/Finish:   | High-alloy steel, nickel plated               | Deflection at Capacity: | 50,000 lb = .018"/.5mm, 65,000 lb = .022"/.6mm, 100,000 lb = .034"/.9mm                                               |
| Temperature:       | Compensated range 14°F to 104°F/-10°C to 40°C | Seal Type:              | Welded seal*, IP67                                                                                                    |
| Manufacturer       |                                               | Cable Length:           | 40'/12.2m                                                                                                             |
| Model Number:      | 5223-B10-XX-40P1 (1:10,000)                   | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White .... - Signal<br>Orange ... Shield |
| Safe Overload:     | 150% Full scale                               | Warranty:               | 3 years                                                                                                               |
| Rated Excitation:  | 10V AC/DC (20V maximum)                       |                         |                                                                                                                       |
| Non-repeatability: | 0.01% Full scale                              |                         |                                                                                                                       |

### 5223 ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 50,000 lb (22,679.6 kg) .....  | 21605 ..... | \$850.00             |
| 65,000 lb (29,483.5 kg) .....  | 21606 ..... | \$850.00             |
| 100,000 lb (45,359.2 kg) ..... | 21607 ..... | \$1,200.00           |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                  |
|----------------------------------|------------------------|
| Rice Lake Weighing Systems ..... | (see page 139) RL75223 |
| Thurman® .....                   | TSC 800                |
| Celtron .....                    | (see page 184) HED     |

### WEIGH MODULE AVAILABLE

| Model            | Page # |
|------------------|--------|
| Translink™ ..... | 78     |

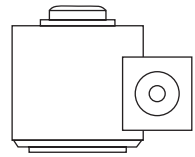


\*NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

Thurman is a registered trademark of Thurman Scale Co.

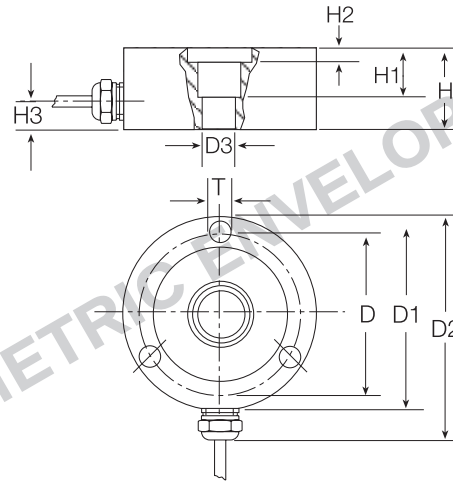
**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**

Prices & Specifications subject to change without notice



# RLC Compression Canister, Stainless Steel

## Hermetically Sealed, IP66/68



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |      |     |     |             |
|-----------------------|------------|------|------|------|------|------|-----|-----|-------------|
|                       | D          | D1   | D2   | D3   | H    | H1   | H2  | H3  | T           |
| <b>kg/millimeters</b> |            |      |      |      |      |      |     |     |             |
| 500-1000              | 70.0       | 80.0 | 97.5 | 10.0 | 25.0 | 15.0 | 1.0 | 9.5 | M6 (3x120°) |
| 2000-5000             | 70.0       | 80.0 | 97.5 | 15.0 | 30.0 | 20.0 | 6.0 | 8.5 | M6 (3x120°) |
| <b>lb/inches</b>      |            |      |      |      |      |      |     |     |             |
| 1102.3-2204.6         | 2.76       | 3.15 | 3.84 | .40  | .99  | .60  | .04 | .37 | M6 (3x120°) |
| 4409.2-11,023.1       | 2.76       | 3.15 | 3.84 | .60  | 1.18 | .79  | .24 | .33 | M6 (3x120°) |

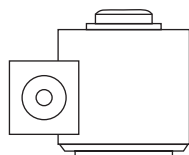
### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 1000 ohms  
 Material/Finish: Stainless steel  
 Temperature: Operating range  
 -22°F to 158°F/-30°C to 70°C  
 Compensated range  
 14°F to 104°F/-10°C to 40°C  
 Manufacturer  
 Model Number: RLC-C3-XX-5MP1  
 Safe Overload: 150% Full scale

Rated Excitation: 5V AC/DC (15V maximum)  
 Combined Error: 0.02% Full scale  
 Insulation Resistance: > 5000 megohms  
 Seal Type: Hermetically sealed, IP66/68  
 Cable Length: 3m (500-1000kg)  
 5m (2000-5000 kg)  
 Cable Color Code: Pink ..... + Excitation  
 Grey ..... - Excitation  
 Brown ... + Signal  
 White .... - Signal  
 Warranty: 3 years

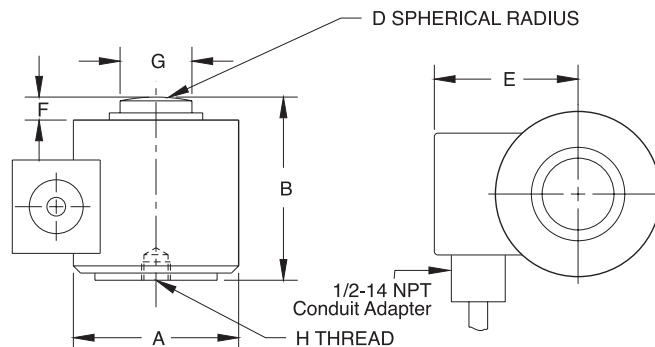
### RLC ORDER INFORMATION

| Load<br>Rating              | Part #      | Suggested<br>List Price | Cable Length |
|-----------------------------|-------------|-------------------------|--------------|
| 500 kg (1102.3 lb) .....    | 36190 ..... | \$525.00 .....          | 3m cable     |
| 1000 kg (2204.6 lb) .....   | 36191 ..... | \$525.00 .....          | 3m cable     |
| 2000 kg (4409.2 lb) .....   | 36192 ..... | \$565.00 .....          | 5m cable     |
| 3500 kg (7717.5 lb) .....   | 36193 ..... | \$565.00 .....          | 5m cable     |
| 5000 kg (11,023.1 lb) ..... | 36194 ..... | \$565.00 .....          | 5m cable     |



**Revere  
Transducers**

# CP1 Compression Canister, Stainless Steel Welded Seal, IP67



| RATED<br>CAPACITY     | DIMENSIONS |       |       |       |      |      |               |            |
|-----------------------|------------|-------|-------|-------|------|------|---------------|------------|
|                       | A          | B     | D     | E     | F    | G    | H             | DEPTH OF H |
| <b>lb/inches</b>      |            |       |       |       |      |      |               |            |
| 10,000-50,000         | 2.88       | 3.25  | 6.00  | 3.30  | .40  | 1.25 | 1/2-20 UNF-2B | .31        |
| 100,000               | 4.12       | 5.00  | 6.00  | 3.50  | .51  | 2.31 | 3/4-16 UNF-2B | .56        |
| 200,000-300,000       | 6.00       | 7.25  | 17.00 | 4.60  | 1.04 | 3.13 | 3/4-16 UNF-2B | .75        |
| 500,000               | 6.50       | 9.00  | 17.00 | 4.80  | .49  | 3.69 | 3/4-16 UNF-2B | .75        |
| <b>kg/millimeters</b> |            |       |       |       |      |      |               |            |
| 4535.9-22,679.6       | 73.2       | 82.6  | 152.4 | 83.8  | 10.2 | 31.8 | 1/2-20 UNF-2B | 7.9        |
| 45,359.2              | 104.7      | 127.0 | 152.4 | 88.9  | 13.0 | 58.7 | 3/4-16 UNF-2B | 14.2       |
| 90,718.5-136,077.7    | 152.4      | 184.2 | 431.8 | 116.8 | 26.4 | 79.5 | 3/4-16 UNF-2B | 19.1       |
| 226,796.2             | 165.1      | 228.6 | 431.8 | 121.9 | 12.4 | 93.7 | 3/4-16 UNF-2B | 19.1       |

## SPECIFICATIONS:

Full Scale Output: 1.75 mV/V  
 Bridge Resistance: 480 ohms, nominal  
 Material/Finish: Stainless steel  
 Temperature: Compensated range  
 0°F to 150°F/-18°C to 65°C  
 Manufacturer  
 Model Number: CP1-D1-XX-30S5  
 Safe Overload: 150% Full scale  
 Rated Excitation: 20V AC/DC (25V maximum)  
 Combined Error: 0.15% Full scale  
 Non-repeatability: 0.03% Full scale

Insulation Resistance: 5000 megohms  
 Deflection at Capacity: 10,000-50,000 lb = .003"/.076mm,  
 100,000-300,000 lb = .006"/.152mm,  
 500,000 lb = .009"/.228mm  
 Seal Type: Welded seal\*, IP67  
 Cable Length: 30'/9.2m  
 Cable Color Code: Green .... + Excitation  
 Black ..... - Excitation  
 White .... + Signal  
 Red ..... - Signal  
 Orange ... Shield  
 Warranty: 3 years

## CP1 ORDER INFORMATION

| Load<br>Rating                  | Part #      | Suggested<br>List Price |
|---------------------------------|-------------|-------------------------|
| 10,000 lb (4535.9 kg) .....     | 17588 ..... | \$1,315.00              |
| 25,000 lb (11,339.8 kg) .....   | 17589 ..... | \$1,315.00              |
| 50,000 lb (22,679.6 kg) .....   | 17590 ..... | \$1,315.00              |
| 100,000 lb (45,359.2 kg) .....  | 17591 ..... | \$1,465.00              |
| 200,000 lb (90,718.5 kg) .....  | 17592 ..... | \$2,095.00              |
| 300,000 lb (136,077.7 kg) ..... | 17593 ..... | \$2,305.00              |
| 500,000 lb (226,796.2 kg) ..... | 17594 ..... | \$4,480.00              |

## INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model                              |
|--------------------------|------------------------------------|
| Artech .....             | 90210                              |
| Cardinal® .....          | CP1                                |
| Howe/Richardson® .....   | 20908XXX                           |
| Revere Transducers ..... | 392B                               |
| Streeter Amet .....      | 3753070, 3752030, 3752040, 3751940 |

## WEIGH MODULE AVAILABLE

| Model             | Page # |
|-------------------|--------|
| MagnaMount® ..... | 82     |

\*NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

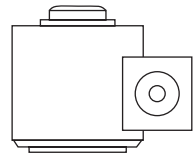
Howe Richardson is a registered trademark of Howe Richardson Scale Co.  
 Cardinal is a registered trademark of Cardinal Scale Manufacturing Co.

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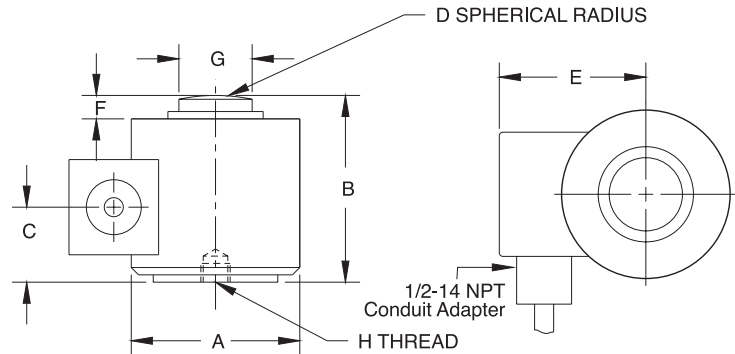


**Revere  
Transducers**



# CSP1 Compression Canister, Stainless Steel

## Welded Seal, IP67, NTEP 1:10,000 Class IIIL Multiple Cell



| RATED CAPACITY        | A     | B     | C     | D     | E     | F    | G    | H             | DEPTH OF H |
|-----------------------|-------|-------|-------|-------|-------|------|------|---------------|------------|
| <b>lb/inches</b>      |       |       |       |       |       |      |      |               |            |
| 10,000-50,000         | 2.88  | 3.25  | 1.28  | 6.00  | 2.51  | .40  | 1.25 | 1/2-20 UNF-2B | .38        |
| 100,000               | 4.12  | 5.00  | 2.15  | 6.00  | 3.39  | .51  | 2.31 | 3/4-16 UNF-2B | .56        |
| 200,000-300,000       | 6.00  | 7.25  | 3.63  | 17.00 | 4.26  | 1.04 | 3.13 | 3/4-16 UNF-2B | .75        |
| 500,000               | 6.50  | 9.00  | 4.34  | 17.00 | 4.59  | .56  | 3.69 | 3/4-16 UNF-2B | .75        |
| <b>kg/millimeters</b> |       |       |       |       |       |      |      |               |            |
| 4535.9-22,679.6       | 73.2  | 82.6  | 32.5  | 152.4 | 63.8  | 10.2 | 31.8 | 1/2-20 UNF-2B | 9.7        |
| 45,359.2              | 104.7 | 127.0 | 54.6  | 152.4 | 86.1  | 13.0 | 58.7 | 3/4-16 UNF-2B | 14.2       |
| 90,718.5-136,077.7    | 152.4 | 184.2 | 92.2  | 431.8 | 108.2 | 26.4 | 79.5 | 3/4-16 UNF-2B | 19.1       |
| 226,796.2             | 165.1 | 228.6 | 110.2 | 431.8 | 116.6 | 14.2 | 93.7 | 3/4-16 UNF-2B | 19.1       |

### SPECIFICATIONS:

|                    |                                                               |                         |                                                                                                                     |
|--------------------|---------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2 mV/V                                                        | Non-repeatability:      | 0.01% Full scale                                                                                                    |
| Bridge Resistance: | 480 ohms, nominal                                             | Insulation Resistance:  | 5000 megohms                                                                                                        |
| Material/Finish:   | Stainless steel                                               | Deflection at Capacity: | 10,000-50,000 lb = .003"/.76mm,<br>100,000-300,000 lb = .006"/.152mm,<br>500,000 lb = .009"/.228mm                  |
| Temperature:       | Operating range<br>14°F to 104°F/-10°C to 40°C                | Seal Type:              | Welded seal*, IP67                                                                                                  |
| Manufacturer       |                                                               | Cable Length:           | 30'/9.2m                                                                                                            |
| Model Number:      | CSP1-B10-XX-30S5 INTEP 1:10,000<br>CSP1-D3-XX-30S5 (Non-NTEP) | Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red .... - Signal<br>Orange ... Shield |
| Safe Overload:     | 150% Full scale                                               | Warranty:               | 3 years                                                                                                             |
| Rated Excitation:  | 20V AC/DC (25V maximum)                                       |                         |                                                                                                                     |
| Combined Error:    | 0.03% Full scale (0.05% Non-NTEP)                             |                         |                                                                                                                     |

### CSP1 ORDER INFORMATION

| Load Rating                     | Part #      | Suggested List Price |
|---------------------------------|-------------|----------------------|
| <b>NTEP 1:10000</b>             |             |                      |
| 25,000 lb (11,339.8 kg) .....   | 21649 ..... | \$1,505.00           |
| 50,000 lb (22,679.6 kg) .....   | 21650 ..... | \$1,505.00           |
| 100,000 lb (45,359.2 kg) .....  | 21651 ..... | \$1,685.00           |
| 200,000 lb (90,718.5 kg) .....  | 21652 ..... | \$2,295.00           |
| <b>Non-NTEP cells</b>           |             |                      |
| 10,000 lb (4535.9 kg) .....     | 17595 ..... | \$1,420.00           |
| 300,000 lb (136,077.7 kg) ..... | 17597 ..... | \$2,395.00           |
| 500,000 lb (226,796.2 kg) ..... | 17598 ..... | \$4,585.00           |

### INTERCHANGEABLE PRODUCTS

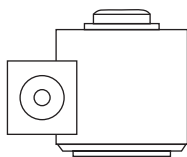
| Manufacturer                      | Model                 |
|-----------------------------------|-----------------------|
| Rice Lake Weighing Systems† ..... | (see page 141) RLCSP1 |
| Artech .....                      | 90310                 |
| Howe Richardson®† .....           | 244699-000X           |
| Revere Transducers† .....         | 692B                  |
| Streeter Amet.† .....             | 3760XXX               |

† Load cell diameter may not be identical

\*NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.  
Howe Richardson is a registered trademark of Howe Richardson Scale Co.

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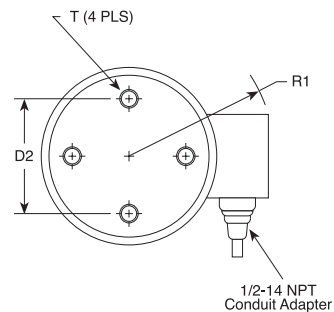
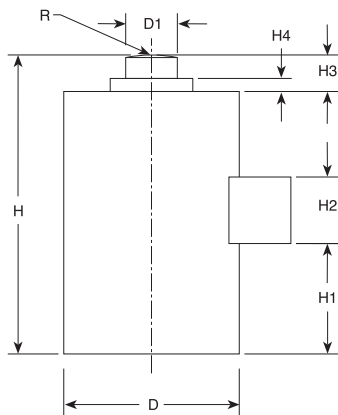
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**Revere  
Transducers**

# 792 Compression Canister, Alloy Steel

## Hermetically Sealed, IP68, NTEP 1:10,000 Class IIIL Multiple Cell



| RATED<br>CAPACITY     | DIMENSIONS |      |       |       |       |      |      |     |       |       |                      |
|-----------------------|------------|------|-------|-------|-------|------|------|-----|-------|-------|----------------------|
|                       | D          | D1   | D2    | H     | H1    | H2   | H3   | H4  | R     | R1    | T                    |
| <b>lb/inches</b>      |            |      |       |       |       |      |      |     |       |       |                      |
| 50,000                | 4.50       | 1.25 | 2.38  | 7.50  | 3.06  | 1.60 | .75  | .25 | 8.00  | 3.75  | 3/8-24 UNF X .63 DP  |
| 100,000               | 5.75       | 1.75 | 4.00  | 9.13  | 2.60  | 1.60 | .87  | .17 | 12.00 | 4.05  | 1/2-20 UNF X .75 DP  |
| 200,000               | 7.50       | 2.50 | 5.50  | 11.63 | 3.95  | 1.60 | .97  | .17 | 12.00 | 5.11  | 5/8-18 UNF X 1.00 DP |
| <b>kg/millimeters</b> |            |      |       |       |       |      |      |     |       |       |                      |
| 22,679.6              | 114.3      | 31.8 | 58.4  | 190.5 | 77.7  | 40.6 | 19.1 | 6.4 | 203.2 | 95.3  | 3/8-24 UNF X 16.0 DP |
| 45,359.2              | 146.1      | 44.5 | 101.6 | 231.9 | 66.0  | 40.6 | 22.1 | 4.3 | 304.8 | 102.9 | 1/2-20 UNF X 19.1 DP |
| 90,718.5              | 190.5      | 63.5 | 139.7 | 295.4 | 100.3 | 40.6 | 24.6 | 4.3 | 304.8 | 129.8 | 5/8-18 UNF X 25.4 DP |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: High-alloy steel, epoxy coated  
Temperature: Operating range  
-65°F to 200°F/-56°C to 93°C  
Compensated range  
14°F to 104°F/-10°C to 40°C  
Manufacturer  
Model Number: 792-B10-XX-35P5  
Safe Overload: 150% Full scale  
Rated Excitation: 10V AC/DC (15V maximum)  
Non-repeatability: 0.01% Full scale  
Combined Error: 0.03% Full scale

Insulation Resistance: 5000 megohms  
Deflection at Capacity: 50,000 lb = .004"/.102mm,  
100,000 lb = .006"/.152mm,  
200,000 lb = .009"/.228mm  
Seal Type: Hermetically sealed\*, IP68  
Cable Length: 35'/10.7m  
Cable Color Code: Green .... + Excitation  
Black ..... - Excitation  
White .... + Signal  
Red ..... - Signal  
Clear ..... Shield  
Warranty: 3 years

### 792 ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 50,000 lb (22,679.6 kg) .....  | 31307 ..... | \$1,400.00           |
| 100,000 lb (45,359.2 kg) ..... | 31306 ..... | \$1,400.00           |
| 200,000 lb (90,718.5 kg) ..... | 31305 ..... | \$1,900.00           |

### INTERCHANGEABLE INFORMATION

| Manufacturer | Model |
|--------------|-------|
| Artech ..... | 90405 |

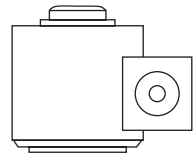
BLH is a registered trademark of BLH Electronics.

\* NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

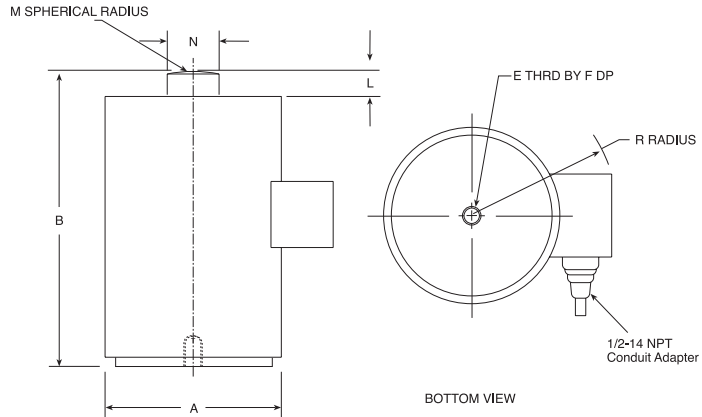
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Prices & Specifications subject to change without notice





## 92 Compression Canister, Alloy Steel Hermetically Sealed, IP68



| RATED CAPACITY        | A     | B     | E          | F    | L    | M     | N    | R     |
|-----------------------|-------|-------|------------|------|------|-------|------|-------|
| <b>lb/inches</b>      |       |       |            |      |      |       |      |       |
| 5000-10,000           | 3.53  | 4.00  | 1/2-20 UNF | .50  | .40  | 6.00  | 1.00 | 3.50  |
| 20,000-25,000         | 3.53  | 5.00  | 1/2-20 UNF | .40  | .40  | 6.00  | 1.00 | 3.50  |
| 50,000                | 4.25  | 6.00  | 3/4-16 UNF | .56  | .50  | 6.00  | 1.50 | 3.80  |
| 100,000               | 5.03  | 8.50  | 3/4-16 UNF | .56  | .63  | 12.00 | 1.75 | 4.00  |
| 150,000-200,000       | 6.53  | 11.13 | 3/4-16 UNF | .56  | .63  | 12.00 | 2.50 | 4.80  |
| <b>kg/millimeters</b> |       |       |            |      |      |       |      |       |
| 2268.0-4535.9         | 89.7  | 101.6 | 1/2-20 UNF | 12.7 | 10.2 | 152.4 | 25.4 | 88.9  |
| 9071.9-11,339.8       | 89.7  | 127.0 | 1/2-20 UNF | 10.2 | 10.2 | 152.4 | 25.4 | 88.9  |
| 22,679.6              | 108.0 | 152.4 | 3/4-16 UNF | 14.2 | 12.7 | 152.4 | 38.1 | 96.5  |
| 45,359.2              | 127.8 | 215.9 | 3/4-16 UNF | 14.2 | 16.0 | 304.8 | 44.5 | 101.6 |
| 68,038.9-90,718.5     | 165.9 | 282.7 | 3/4-16 UNF | 14.2 | 16.0 | 304.8 | 63.5 | 121.9 |

### SPECIFICATIONS:

|                    |                                                 |                         |                                                                                                                                       |
|--------------------|-------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                        | Insulation Resistance:  | 5000 megohms                                                                                                                          |
| Bridge Resistance: | 350 ohms, nominal                               | Deflection at Capacity: | 5000-10,000 lb = .003"/.076mm,<br>20,000-50,000 lb = .004"/.102mm,<br>100,000 lb = .006"/.152mm,<br>150,000-200,000 lb = .010"/.254mm |
| Material/Finish:   | High-alloy steel, epoxy coated                  | Seal Type:              | Hermetically sealed*, IP68                                                                                                            |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C | Cable Length:           | 10'/3.1m                                                                                                                              |
| Manufacturer       |                                                 | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal<br>Orange ... Shield               |
| Model Number:      | 92-D3-XX-10P1                                   | Warranty:               | 3 years                                                                                                                               |
| Safe Overload:     | 150% Full scale                                 |                         |                                                                                                                                       |
| Rated Excitation:  | 10V AC/DC (15V maximum)                         |                         |                                                                                                                                       |
| Non-repeatability: | 0.01% Full scale                                |                         |                                                                                                                                       |
| Combined Error:    | 0.05% Full scale                                |                         |                                                                                                                                       |

### 92 ORDER INFORMATION

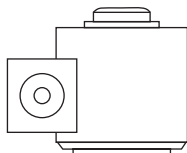
| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 5000 lb (2268.0 kg) .....      | 17637 ..... | \$1,090.00           |
| 10,000 lb (4535.9 kg) .....    | 17639 ..... | \$1,090.00           |
| 20,000 lb (9071.9 kg) .....    | 17640 ..... | \$1,090.00           |
| 25,000 lb (11,339.8 kg) .....  | 17641 ..... | \$1,090.00           |
| 50,000 lb (22,679.6 kg) .....  | 17642 ..... | \$1,090.00           |
| 100,000 lb (45,359.2 kg) ..... | 17643 ..... | \$1,185.00           |
| 150,000 lb (68,038.9 kg) ..... | 17644 ..... | \$2,475.00           |
| 200,000 lb (90,718.5 kg) ..... | 17645 ..... | \$2,760.00           |

\*NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

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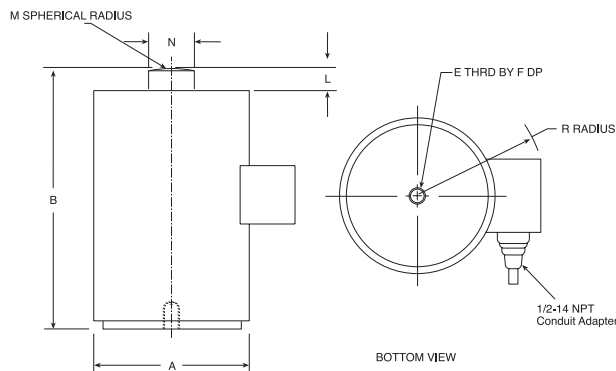




**Revere  
Transducers**

## 93 Compression Canister, Alloy Steel

### Hermetically Sealed, IP68



| RATED CAPACITY        | A     | B     | E          | F    | L    | M     | N    | R     |
|-----------------------|-------|-------|------------|------|------|-------|------|-------|
| <b>lb/inches</b>      |       |       |            |      |      |       |      |       |
| 5000-10,000           | 3.53  | 4.00  | 1/2-20 UNF | .50  | .40  | 6.00  | 1.00 | 3.50  |
| 20,000-25,000         | 3.53  | 5.00  | 1/2-20 UNF | .40  | .40  | 6.00  | 1.00 | 3.50  |
| 50,000                | 4.25  | 6.00  | 3/4-16 UNF | .56  | .50  | 6.00  | 1.50 | 3.80  |
| 100,000               | 5.03  | 8.50  | 3/4-16 UNF | .56  | .63  | 12.00 | 1.75 | 4.00  |
| 150,000-200,000       | 6.53  | 11.13 | 3/4-16 UNF | .56  | .63  | 12.00 | 2.50 | 4.80  |
| <b>kg/millimeters</b> |       |       |            |      |      |       |      |       |
| 2268.0-4535.9         | 89.7  | 101.6 | 1/2-20 UNF | 12.7 | 10.2 | 152.4 | 25.4 | 88.9  |
| 9071.9-11,339.8       | 89.7  | 127.0 | 1/2-20 UNF | 10.2 | 10.2 | 152.4 | 25.4 | 88.9  |
| 22,679.6              | 108.0 | 152.4 | 3/4-16 UNF | 14.2 | 12.7 | 152.4 | 38.1 | 96.5  |
| 45,359.2              | 127.8 | 215.9 | 3/4-16 UNF | 14.2 | 16.0 | 304.8 | 44.5 | 101.6 |
| 68,038.9-90,718.5     | 165.9 | 282.7 | 3/4-16 UNF | 14.2 | 16.0 | 304.8 | 63.5 | 121.9 |

#### SPECIFICATIONS:

|                            |                                                 |                         |                                                                                                                                   |
|----------------------------|-------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:         | 3.0 mV/V                                        | Insulation Resistance:  | 5000 megohms                                                                                                                      |
| Bridge Resistance:         | 350 ohms, nominal                               | Deflection at Capacity: | 5000-20,000 lb = .004"/.1mm,<br>20,000-50,000 lb = .006"/.2mm,<br>100,000 lb = .006"/.152mm,<br>150,000-200,000 lb = .010"/.254mm |
| Material/Finish:           | High-alloy steel, epoxy coated                  | Seal Type:              | Hermetically sealed*, IP68                                                                                                        |
| Temperature:               | Compensated range<br>0°F to 150°F/-15°C to 65°C | Cable Length:           | 10'/3.1m                                                                                                                          |
| Manufacturer Model Number: | 93-D3-XX-10P1                                   | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White .... - Signal<br>Orange ... Shield             |
| Safe Overload:             | 150% Full scale                                 | Warranty:               | 5 years                                                                                                                           |
| Rated Excitation:          | 10V AC/DC (15V maximum)                         |                         |                                                                                                                                   |
| Non-repeatability:         | 0.02% Full scale                                |                         |                                                                                                                                   |
| Combined Error:            | 0.05% Full scale                                |                         |                                                                                                                                   |

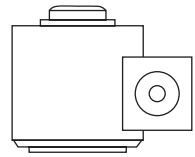
#### 93U ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 5000 lb (2268.0 kg) .....      | 17646 ..... | \$1,090.00           |
| 10,000 lb (4535.9 kg) .....    | 17647 ..... | \$1,090.00           |
| 20,000 lb (9071.9 kg) .....    | 17648 ..... | \$1,090.00           |
| 25,000 lb (11,339.8 kg) .....  | 17649 ..... | \$1,090.00           |
| 50,000 lb (22,679.6 kg) .....  | 17650 ..... | \$1,090.00           |
| 100,000 lb (45,359.2 kg) ..... | 17651 ..... | \$1,185.00           |
| 150,000 lb (68,038.9 kg) ..... | 17652 ..... | \$2,475.00           |
| 200,000 lb (90,718.5 kg) ..... | 17653 ..... | \$2,760.00           |

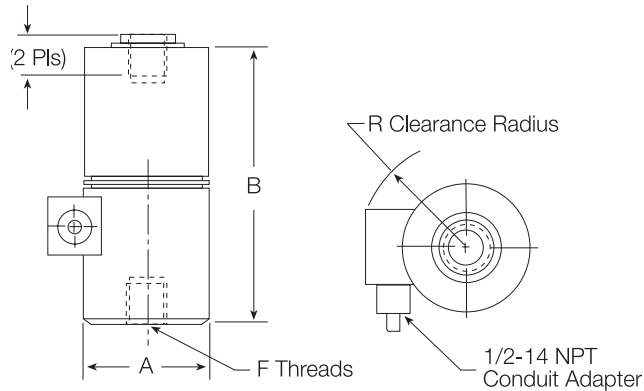
\* NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

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## 42U Tension/Compression Canister, Alloy Steel Hermetically Sealed, IP68



### RATED CAPACITY

**lb/inches**  
5000-10,000  
20000  
50,000

**A**

**B**

### DIMENSIONS

**E**

**F**

**R**

### kg/millimeters

2268.0-4535.9  
9071.9  
22,679.6

88.9  
127.0  
165.1

150.9  
215.9  
290.6

31.8  
50.8  
50.8

1-14 UNS  
1 1/2-12 UNF  
1 1/2-12 UNF

88.9  
101.6  
121.9

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: High-alloy steel, epoxy coated  
Temperature: Compensated range  
0°F to 150°F/-15°C to 65°C  
Manufacturer  
Model Number: 42U-D3-XX-10P1  
Safe Overload: 150% Full scale  
Rated Excitation: 10V AC/DC (15V maximum)  
Non-repeatability: 0.01% Full scale  
Combined Error: 0.05% Full scale

Insulation Resistance: 5000 megohms  
Deflection at Capacity: 5000-20,000 lb = .004"/.1mm,  
50,000 lb = .006"/.2mm  
Seal Type: Hermetically sealed\*, IP68  
Cable Length: 10'/3.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ..... + Signal  
White ..... - Signal  
Orange... Shield  
Warranty: 3 years

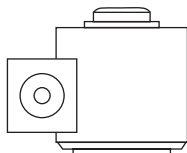
### 42U ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 5000 lb (2268.0 kg) .....     | 31401 ..... | \$1,045.00           |
| 10,000 lb (4535.9 kg) .....   | 31402 ..... | \$1,045.00           |
| 20,000 lb (9071.9 kg) .....   | 31403 ..... | \$1,360.00           |
| 50,000 lb (22,679.6 kg) ..... | 31404 ..... | \$1,780.00           |

\* NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

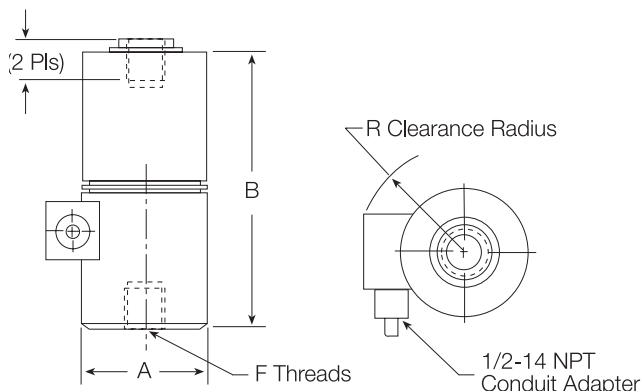
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**Revere  
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## 43U Tension/Compression Canister, Alloy Steel Hermetically Sealed, IP68



### RATED CAPACITY

**lb/inches**  
5000-10,000  
20,000  
50,000

**A**

**B**

### DIMENSIONS

**E**

**F**

**R**

### kg/millimeters

2268.0-4535.9  
9071.9  
22,679.6

88.9  
127.0  
165.1

150.9  
215.9  
290.6

31.8  
50.8  
50.8

1-14 UNS  
1 1/2-12 UNF  
1 1/2-12 UNF

88.9  
101.6  
121.9

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: High-alloy steel, epoxy coated  
Temperature: Compensated range  
0°F to 150°F/-15°C to 65°C  
Manufacturer  
Model Number: 43U-D3-XX-10P1  
Safe Overload: 150% Full scale  
Rated Excitation: 10V AC/DC (15V maximum)  
Non-repeatability: 0.02% Full scale  
Combined Error: 0.05% Full scale

Insulation Resistance: 5000 megohms  
Deflection at Capacity: 5000-20,000 lb = .004"/.1mm,  
50,000 lb = .006"/.2mm  
Seal Type: Hermetically sealed\*, IP68  
Cable Length: 10'/3.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green .... + Signal  
White .... - Signal  
Orange... Shield  
Warranty: 3 years

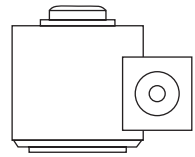
### 43U ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 5000 lb (2268.0 kg) .....     | 31405 ..... | \$1,045.00           |
| 10,000 lb (4535.9 kg) .....   | 31406 ..... | \$1,045.00           |
| 20,000 lb (9071.9 kg) .....   | 31407 ..... | \$1,360.00           |
| 50,000 lb (22,679.6 kg) ..... | 31408 ..... | \$1,780.00           |

\* NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

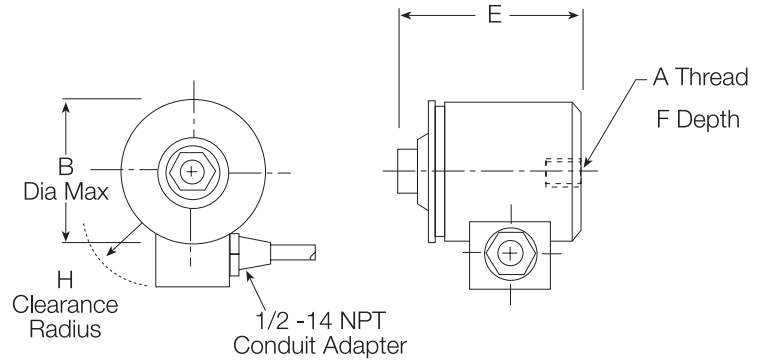
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# 62HU Tension/Compression Canister, Alloy Steel

## Hermetically Sealed, IP68



### RATED CAPACITY

**lb/inches**  
100-300  
500-1000  
2000-3000

**A**

**B**

### DIMENSIONS

**E**

**F**

**H**

### kg/millimeters

45.4-136.1  
226.8-453.6  
907.2-1360.8

3/8-24 UNF-2B  
1/2-20 UNF-2B  
1/2-20 UNF-2B

71.6  
89.7  
102.4

85.9  
115.8  
127.0

9.4  
16.0  
16.0

76.2  
88.9  
96.5

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: High-alloy steel, epoxy coated  
Temperature: Operating range  
0°F to 150°F/-18°C to 65°C  
Manufacturer  
Model Number: 62HU-D3-XX-10P1  
Safe Overload: 200% Full scale  
Rated Excitation: 10V AC/DC (15V maximum)  
Non-repeatability: 0.01% Full scale

Combined Error: 0.05% Full scale  
Insulation Resistance: 5000 megohms  
Deflection at Capacity: 100-300 lb = .010"/.254mm,  
500-3000 lb = .008"/.203mm  
Seal Type: Hermetically sealed\*, IP68  
Cable Length: 10'/3.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green .... + Signal  
White .... - Signal  
Warranty: 3 years

### 62HU ORDER INFORMATION

| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| 100 lb (45.4 kg) .....    | 31388 ..... | \$940.00             |
| 200 lb (90.7 kg) .....    | 31389 ..... | \$940.00             |
| 300 lb (136.1 kg) .....   | 31390 ..... | \$940.00             |
| 500 lb (226.8 kg) .....   | 31391 ..... | \$940.00             |
| 750 lb (340.2 kg) .....   | 31392 ..... | \$950.00             |
| 1000 lb (453.6 kg) .....  | 31393 ..... | \$950.00             |
| 2000 lb (907.2 kg) .....  | 31394 ..... | \$970.00             |
| 3000 lb (1360.8 kg) ..... | 31395 ..... | \$970.00             |

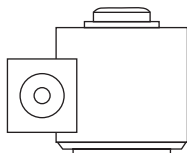
### INTERCHANGEABLE PRODUCTS

| Manufacturer | Model |
|--------------|-------|
| Artech ..... | 90510 |

\* NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

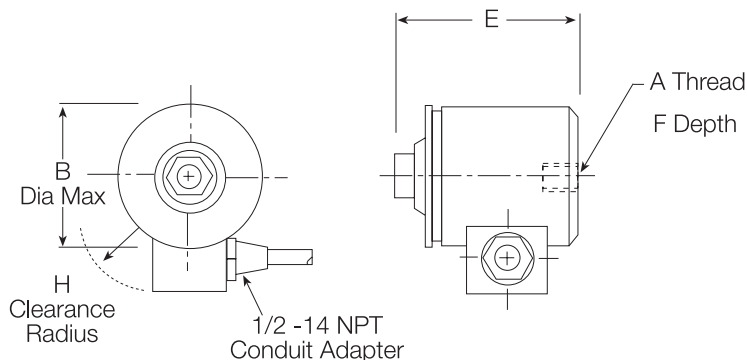
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## 63HU Tension/Compression Canister, Alloy Steel Hermetically Sealed, IP68



### RATED CAPACITY

**lb/inches**  
100-300  
500-1000  
2000-3000

**A**

**B**

**DIMENSIONS**  
**E**

**F**

**H**

### kg/millimeters

45.4-136.1  
226.8-453.6  
907.2-1360.8

3/8-24 UNF-2B  
1/2-20 UNF-2B  
1/2-20 UNF-2B

71.6  
89.7  
102.4

85.9  
115.8  
127.0

9.4  
16.0  
16.0

76.2  
88.9  
96.5

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: High-alloy steel, epoxy coated  
Temperature: Operating range  
0°F to 150°F/-18°C to 65°C  
Manufacturer  
Model Number: 63HU-D3-XX-10P1  
Safe Overload: 200% Full scale  
Rated Excitation: 10V AC/DC (15V maximum)  
Non-repeatability: 0.02% Full scale

Combined Error: 0.05% Full scale  
Insulation Resistance: 5000 megohms  
Deflection at Capacity: 100-300 lb = .010"/.254mm,  
500-3000 lb = .008"/.203mm  
Seal Type: Hermetically sealed\*, IP68  
Cable Length: 10'/3.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ..... + Signal  
White ..... - Signal  
Warranty: 5 years

### 63HU ORDER INFORMATION

| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| 100 lb (45.4 kg) .....    | 31380 ..... | \$940.00             |
| 200 lb (90.7 kg) .....    | 31381 ..... | \$940.00             |
| 300 lb (136.1 kg) .....   | 31382 ..... | \$940.00             |
| 500 lb (226.8 kg) .....   | 31383 ..... | \$940.00             |
| 750 lb (340.2 kg) .....   | 31384 ..... | \$950.00             |
| 1000 lb (453.6 kg) .....  | 31385 ..... | \$950.00             |
| 2000 lb (907.2 kg) .....  | 31386 ..... | \$970.00             |
| 3000 lb (1360.8 kg) ..... | 31387 ..... | \$970.00             |

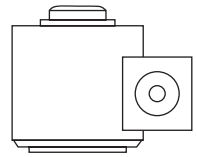
### INTERCHANGEABLE PRODUCTS

| Manufacturer              | Model      |
|---------------------------|------------|
| Streeter Richardson ..... | 201170X    |
| Toledo® .....             | 10048X00 A |

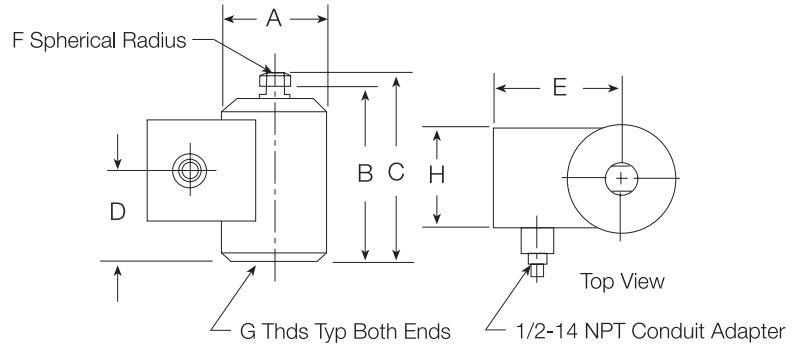
\* NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

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## USP1 Tension/Compression Super Precision Canister Alloy Steel, Hermetically Sealed, IP68



| RATED CAPACITY        | A     | B     | C     | D     | E     | F    | G               | H    | DEPTH |
|-----------------------|-------|-------|-------|-------|-------|------|-----------------|------|-------|
| <b>lb/inches</b>      |       |       |       |       |       |      |                 |      |       |
| 100                   | 2.00  | 3.32  | 3.57  | 1.70  | 2.26  | .75  | 3/8-24 UNF-3B   | 1.88 | .37   |
| 250                   | 2.50  | 4.45  | 3.57  | 2.20  | 2.31  | .75  | 3/8-24 UNF-3B   | 1.88 | .37   |
| 500-1000              | 2.50  | 4.45  | 4.82  | 2.20  | 2.31  | 2.00 | 1/2-20 UNF-3B   | 1.88 | .50   |
| 2500                  | 2.25  | 3.00  | 3.35  | 1.56  | 2.69  | 2.00 | 1/2-20 UNF-3B   | 1.88 | .50   |
| 5000-10,000           | 3.00  | 5.75  | —     | 2.81  | 3.06  | —    | 1-14 UNS-3B     | 1.88 | 1.31  |
| 25,000                | 4.00  | 8.38  | —     | 5.87  | 3.56  | —    | 1 1/2-12 UNF-3B | 1.88 | 1.87  |
| 50,000                | 6.25  | 11.44 | —     | 5.72  | 4.68  | —    | 2-12 UN-3B      | 1.88 | 2.43  |
| <b>kg/millimeters</b> |       |       |       |       |       |      |                 |      |       |
| 45.4                  | 50.8  | 84.3  | 90.7  | 43.2  | 57.4  | 19.1 | 3/8-24 UNF-3B   | 47.8 | 9.4   |
| 113.4                 | 63.5  | 113.0 | 90.7  | 55.9  | 58.7  | 19.1 | 3/8-24 UNF-3B   | 47.8 | 9.4   |
| 226.8-453.6           | 63.5  | 113.0 | 122.4 | 55.9  | 58.7  | 50.8 | 1/2-20 UNF-3B   | 47.8 | 12.7  |
| 1134.0                | 57.2  | 76.2  | 85.1  | 39.6  | 68.3  | 50.8 | 1/2-20 UNF-3B   | 47.8 | 12.7  |
| 2268.0-4535.9         | 76.2  | 146.1 | —     | 71.4  | 77.7  | —    | 1-14 UNS-3B     | 47.8 | 33.3  |
| 11,339.8              | 101.6 | 212.9 | —     | 149.1 | 90.4  | —    | 1 1/2-12 UNF-3B | 47.8 | 47.5  |
| 22,679.6              | 158.8 | 290.6 | —     | 145.3 | 118.9 | —    | 2-12 UN-3B      | 47.8 | 61.7  |

### SPECIFICATIONS:

|                        |                                              |                         |                                                                                                                                                                                        |
|------------------------|----------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                     | Deflection at Capacity: | 50 lb = .004"/.102mm, 100-250 lb = .005"/.127mm, 500 lb = .003"/.076mm, 1000-2500 lb = .004"/.102mm, 5000 lb = .005"/.127mm, 10,000-25,000 lb = .004"/.102mm, 50,000 lb = .008"/.203mm |
| Bridge Resistance:     | 350 ohms, nominal                            | Seal Type:              | Hermetically sealed**, IP68                                                                                                                                                            |
| Material/Finish:       | Epoxy-coated steel                           | Cable Length:           | 30'/9.2m                                                                                                                                                                               |
| Temperature:           | Compensated range 0°F to 150°F/-15°C to 65°C | Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>White .... + Signal<br>Red ..... - Signal                                                                                        |
| Mfr. Model Number:     | USP1-D3-XX-30P5                              | Warranty:               | 3 years                                                                                                                                                                                |
| Safe Overload:         | 150% Full scale                              |                         |                                                                                                                                                                                        |
| Rated Excitation:      | 15V AC/DC                                    |                         |                                                                                                                                                                                        |
| Combined Error:        | 0.05% Full scale                             |                         |                                                                                                                                                                                        |
| Non-repeatability:     | 0.02% Full scale                             |                         |                                                                                                                                                                                        |
| Insulation Resistance: | 5000 megohms                                 |                         |                                                                                                                                                                                        |

### USP1 ORDER INFORMATION

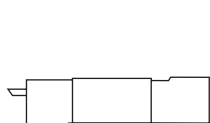
| Load Rating                   | Part # | Suggested List Price |
|-------------------------------|--------|----------------------|
| 100 lb (45.4 kg) .....        | 17600* | \$1,565.00           |
| 250 lb (113.4 kg) .....       | 17601* | \$1,565.00           |
| 500 lb (226.8 kg) .....       | 17602* | \$1,565.00           |
| 1000 lb (453.6 kg) .....      | 17603* | \$1,565.00           |
| 2500 lb (1134.0 kg) .....     | 17604* | \$1,565.00           |
| 5000 lb (2268.0 kg) .....     | 17605  | \$1,885.00           |
| 10,000 lb (4535.9 kg) .....   | 17606  | \$1,885.00           |
| 25,000 lb (11,339.8 kg) ..... | 17607  | \$2,365.00           |
| 50,000 lb (22,679.6 kg) ..... | 17608  | \$3,195.00           |

\* Load button is supplied with load cell.

\*\* NOTE: Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

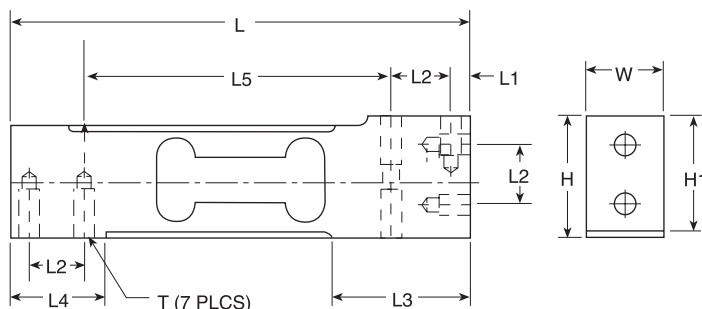
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**Revere  
Transducers**

## 642 Single Point, Aluminum NTEP 1:5000 Class III Single Cell, IP67



| RATED CAPACITY        | H    | H1   | L     | L1  | L2   | L3   | L4   | L5    | T                  | W    |
|-----------------------|------|------|-------|-----|------|------|------|-------|--------------------|------|
| <b>kg/millimeters</b> |      |      |       |     |      |      |      |       |                    |      |
| 3-100                 | 40.0 | 38.5 | 150.0 | 5.9 | 19.0 | 44.8 | 31.2 | 100.2 | 1/4-20 UNC-15 DP   | 25.4 |
| <b>lb/inches</b>      |      |      |       |     |      |      |      |       |                    |      |
| 6.6-220.5             | 1.58 | 1.52 | 5.91  | .23 | .75  | 1.75 | 1.23 | 3.95  | 1/4-20 UNC X .6 DP | 1.00 |

### SPECIFICATIONS:

|                            |                                                  |                         |                                                                                                                                             |
|----------------------------|--------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:         | 2.0 mV/V                                         | Insulation Resistance:  | 5000 megohms                                                                                                                                |
| Bridge Resistance:         | 350 ohms                                         | Deflection at Capacity: | 5-100 kg = .024"/.60mm                                                                                                                      |
| Material/Finish:           | Aluminum alloy                                   | Seal Type:              | Environmentally protected, IP67                                                                                                             |
| Temperature:               | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Length:           | 3.1m/10'                                                                                                                                    |
| Manufacturer Model Number: | 642-A5-XX-3MP2 (NTEP)                            | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White .... - Signal<br>Blue ..... + Sense<br>Brown ... - Sense |
| Safe Overload:             | 150% Full scale                                  | Warranty:               | 3 years                                                                                                                                     |
| Rated Excitation:          | 10V AC/DC (15V maximum)                          |                         |                                                                                                                                             |
| Total Error:               | .02% Full scale                                  |                         |                                                                                                                                             |

### 642 ORDER INFORMATION

| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| <b>NTEP 1:5000 cells:</b> |             |                      |
| 10 kg (22.1 lb) .....     | 26498 ..... | \$155.00             |
| 15 kg (33.1 lb) .....     | 26500 ..... | \$175.00             |
| 20 kg (44.1 lb) .....     | 26501 ..... | \$175.00             |
| 30 kg (66.1 lb) .....     | 26502 ..... | \$175.00             |
| 50 kg (110.2 lb) .....    | 26503 ..... | \$175.00             |
| 75 kg (165.3 lb) .....    | 26504 ..... | \$175.00             |
| 100 kg (220.5 lb) .....   | 26505 ..... | \$175.00             |

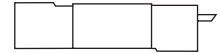
### Non-NTEP 1:5000 cells:

|                      |             |          |
|----------------------|-------------|----------|
| 5 kg (11.0 lb) ..... | 26486 ..... | \$155.00 |
|----------------------|-------------|----------|

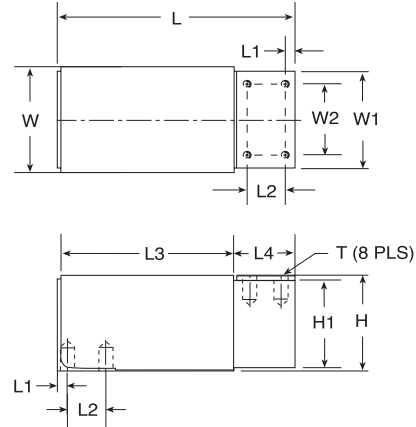
### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 149) RL1040 |
| Celtron .....                    | (see page 188) LOC    |
| Tedea-Huntleigh .....            | (see page 316) 1040   |
| Tedea-Huntleigh .....            | (see page 315) 1042   |
| HBM .....                        | (see page 224) SP4    |
| Rice Lake Weighing Systems ..... | (see page 148) RL1042 |





# 652 Potted Single Point, Aluminum NTEP 1:5000 Class III Single Cell, IP65



| RATED CAPACITY        | H    | H1   | L     | L1  | L2   | DIMENSIONS |           | T                   | W    | W1   | W2   |
|-----------------------|------|------|-------|-----|------|------------|-----------|---------------------|------|------|------|
| <b>kg/millimeters</b> |      |      |       |     |      | <b>L3</b>  | <b>L4</b> |                     |      |      |      |
| 50-1000               | 75.4 | 60.2 | 191.0 | 8.1 | 25.0 | 148.0      | 39.9      | 5/16-18 UNC .15.7DP | 79.5 | 76.2 | 59.9 |
| <b>lb/inches</b>      |      |      |       |     |      |            |           |                     |      |      |      |
| 110.2-2204.6          | 2.97 | 2.37 | 7.52  | .32 | .98  | 5.84       | 1.57      | 5/16-18 UNC .63 DP  | 3.13 | 3.00 | 2.36 |

## SPECIFICATIONS:

|                    |                                                  |                         |                                                                                                                                             |
|--------------------|--------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         | Insulation Resistance:  | 5000 megohms                                                                                                                                |
| Bridge Resistance: | 350 ohms                                         | Deflection at Capacity: | 50-1000 kg = .048"/1.22mm                                                                                                                   |
| Material/Finish:   | Aluminum alloy                                   | Seal Type:              | Environmentally protected, IP65                                                                                                             |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Length:           | 3.1m/10'                                                                                                                                    |
| Manufacturer       |                                                  | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White .... - Signal<br>Blue ..... + Sense<br>Brown ... - Sense |
| Model Number:      | 652-A5-XX-3MP2 (NTEP)                            | Warranty:               | 3 years                                                                                                                                     |
| Safe Overload:     | 150% Full scale                                  |                         |                                                                                                                                             |
| Rated Excitation:  | 10V AC/DC (15V max)                              |                         |                                                                                                                                             |
| Total Error:       | .02% Full scale                                  |                         |                                                                                                                                             |

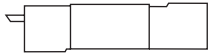
## 652 ORDER INFORMATION

| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| <b>NTEP 1:5000 cells:</b> |             |                      |
| 50 kg (110.2 lb) .....    | 26516 ..... | \$360.00             |
| 75 kg (165.3 lb) .....    | 26517 ..... | \$360.00             |
| 100 kg (220.5 lb) .....   | 26518 ..... | \$360.00             |
| 150 kg (330.7 lb) .....   | 26519 ..... | \$360.00             |
| 200 kg (440.9 lb) .....   | 26520 ..... | \$360.00             |
| 250 kg (551.2 lb) .....   | 26521 ..... | \$360.00             |
| 300 kg (661.4 lb) .....   | 26522 ..... | \$360.00             |
| 500 kg (1102.3 lb) .....  | 26523 ..... | \$360.00             |

## INTERCHANGEABLE PRODUCTS

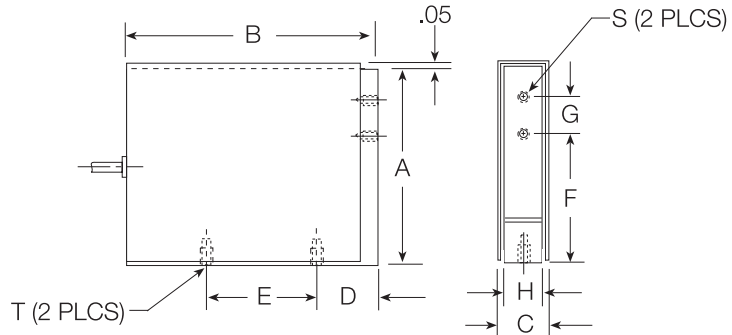
| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 154) RL1250 |
| Celtron .....                    | (see page 188) LOC    |
| Tedea-Huntleigh .....            | (see page 322) 1250   |
| Flintec .....                    | (see page 205) PCB    |





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## 462 Single Point, Alloy Steel, IP67



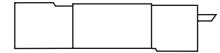
| RATED<br>CAPACITY     | DIMENSIONS |       |      |      |      |      |      |      |                        |                        |
|-----------------------|------------|-------|------|------|------|------|------|------|------------------------|------------------------|
|                       | A          | B     | C    | D    | E    | F    | G    | H    | T                      | S                      |
| <b>lb/inches</b>      |            |       |      |      |      |      |      |      |                        |                        |
| 2-20                  | 4.00       | 5.13  | .91  | 1.25 | 2.20 | 2.60 | .75  | .75  | 1/4-28 UNF-2B x .38dp. | 10-32 UNF-2B x .25dp.  |
| 50-100                | 4.60       | 6.00  | 1.16 | 1.90 | 2.20 | 2.60 | 1.00 | 1.00 | 3/8-24 UNF-2B x .50dp. | 1/4-28 UNF-2B x .50dp. |
| 250                   | 4.60       | 6.00  | 1.16 | 1.90 | 2.20 | 2.35 | 1.50 | 1.00 | 3/8-24 UNF-2B x .50dp. | 3/8-24 UNF-2B x .50dp. |
| <b>kg/millimeters</b> |            |       |      |      |      |      |      |      |                        |                        |
| 0.9-9.1               | 101.6      | 130.3 | 23.1 | 31.8 | 55.9 | 66.0 | 19.1 | 19.1 | 1/4-28 UNF-2B x .38dp. | 10-32 UNF-2B x .25dp.  |
| 22.7-45.4             | 116.8      | 152.4 | 29.5 | 48.3 | 55.9 | 66.0 | 25.4 | 25.4 | 3/8-24 UNF-2B x .50dp. | 1/4-28 UNF-2B x .50dp. |
| 113.4                 | 116.8      | 152.4 | 29.5 | 48.3 | 55.9 | 59.7 | 38.1 | 25.4 | 3/8-24 UNF-2B x .50dp. | 3/8-24 UNF-2B x .50dp. |

### SPECIFICATIONS:

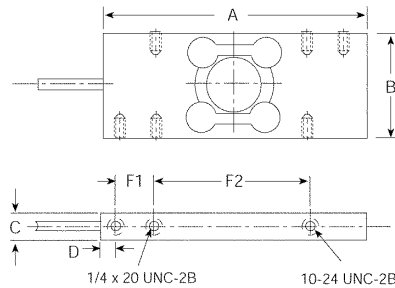
|                    |                                                 |                         |                                                                                                                       |
|--------------------|-------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                        | Insulation Resistance:  | 5000 megohms                                                                                                          |
| Bridge Resistance: | 350 ohms, nominal                               | Deflection at Capacity: | 2-20 lb = .06"/1.5mm, 50-250 lb = .04"/1.0mm                                                                          |
| Material/Finish:   | Alloy steel with stainless steel cover          | Seal Type:              | Environmentally protected, IP67                                                                                       |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C | Cable Length:           | 10'/3.1m                                                                                                              |
| Manufacturer       |                                                 | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White .... - Signal<br>Orange ... Shield |
| Model Number:      | 462-D3-XX-10P1                                  | Warranty:               | 3 years                                                                                                               |
| Safe Overload:     | 150% Full scale                                 |                         |                                                                                                                       |
| Rated Excitation:  | 10V DC nominal (15V maximum)                    |                         |                                                                                                                       |
| Combined Error:    | 0.03% Full scale                                |                         |                                                                                                                       |
| Non-repeatability: | 0.01% Full scale                                |                         |                                                                                                                       |

### 462 ORDER INFORMATION

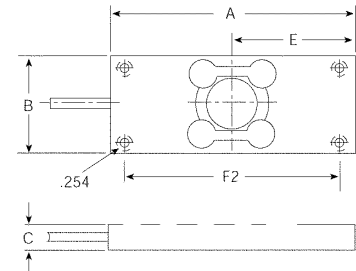
| Load<br>Rating          | Part #      | Suggested<br>List Price |
|-------------------------|-------------|-------------------------|
| 2 lb (0.9 kg) .....     | 17442 ..... | \$535.00                |
| 5 lb (2.3 kg) .....     | 17443 ..... | \$535.00                |
| 10 lb (4.5 kg) .....    | 17444 ..... | \$535.00                |
| 20 lb (9.1 kg) .....    | 17445 ..... | \$535.00                |
| 50 lb (22.7 kg) .....   | 17446 ..... | \$585.00                |
| 100 lb (45.4 kg) .....  | 17447 ..... | \$585.00                |
| 250 lb (113.4 kg) ..... | 17448 ..... | \$605.00                |



# HPS Single Point, Stainless Steel Welded Seal, IP67



HPS (25-100 LBS)



HPS (6 KGS)



| RATED<br>CAPACITY     | DIMENSIONS |      |      |     |      |      |       |
|-----------------------|------------|------|------|-----|------|------|-------|
|                       | A          | B    | C    | D   | E    | F1   | F2    |
| <b>lb/inches</b>      |            |      |      |     |      |      |       |
| 13.2                  | 5.0        | 1.98 | .73  | —   | 2.5  | —    | 4.25  |
| 25                    | 5.0        | 1.98 | .73  | .25 | —    | .75  | 3.0   |
| 50                    | 5.0        | 1.95 | .73  | .25 | —    | .75  | 3.0   |
| 100                   | 5.0        | 1.82 | .94  | .25 | —    | .75  | 3.0   |
| <b>kg/millimeters</b> |            |      |      |     |      |      |       |
| 6.0                   | 127.0      | 50.2 | 18.5 | —   | 63.5 | —    | 107.9 |
| 11.3                  | 127.0      | 50.2 | 18.5 | 6.3 | —    | 19.0 | 76.2  |
| 22.7                  | 127.0      | 49.5 | 18.5 | 6.3 | —    | 19.0 | 76.2  |
| 45.4                  | 127.0      | 46.2 | 23.8 | 6.3 | —    | 19.0 | 76.2  |

## SPECIFICATIONS:

Full Scale Output: 3.0 mV/V – HPS  
2.0 mV/V – HPSM (metric capacity)

Bridge Resistance: 350 ohms, nominal

Material/Finish: Stainless steel

Temperature: Compensated range  
0°F to 150°F/-18°C to 65°C

Manufacturer: Sensortronics

Model Number: HPS-D3-XX-10P5

Safe Overload: 150% Full scale

Rated Excitation: 10V AC/DC (15V maximum)

Combined Error: 0.03% Full scale

Non-repeatability: 0.01% Full scale

Insulation Resistance: 5000 megohms

Seal Type: Welded seal, IP67

Cable Length: 10'/3.1m

Cable Color Code: Green ..... + Excitation  
Black ..... - Excitation  
White ..... + Signal  
Red ..... - Signal

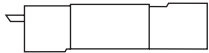
Warranty: 3 years

## HPS ORDER INFORMATION

| Load Rating            | Part #      | Suggested List Price |
|------------------------|-------------|----------------------|
| 6 kg (13.2 lb) .....   | 22335 ..... | \$595.00             |
| 25 lb (11.3 kg) .....  | 17406 ..... | \$595.00             |
| 50 lb (22.7 kg) .....  | 17407 ..... | \$595.00             |
| 100 lb (45.4 kg) ..... | 17408 ..... | \$770.00             |

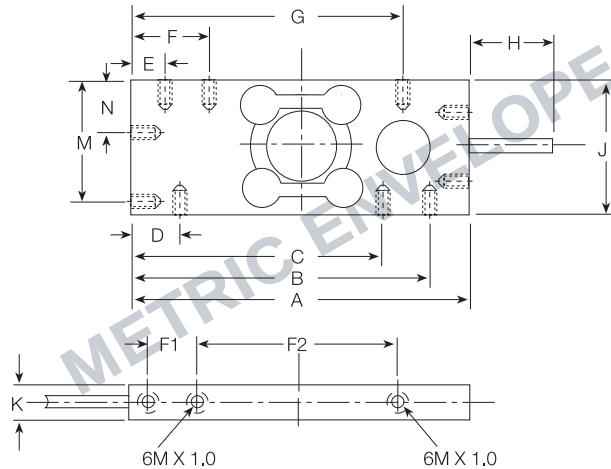
## INTERCHANGEABLE PRODUCTS

| Manufacturer        | Model                |
|---------------------|----------------------|
| Sensortronics ..... | (see page 299) 60064 |



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## HPSM Single Point, Stainless Steel Welded Seal IP67, Metric Envelope



| RATED<br>CAPACITY | DIMENSIONS |       |      |      |      |      |      |      |       |      |      |      |      |      |
|-------------------|------------|-------|------|------|------|------|------|------|-------|------|------|------|------|------|
|                   | A          | B     | C    | D    | E    | F    | F1   | F2   | G     | H    | J    | K    | M    | N    |
| kg/millimeters    |            |       |      |      |      |      |      |      |       |      |      |      |      |      |
| 6.0               | 130.0      | 116.5 | 97.5 | 22.5 | 13.5 | 32.5 | 19.1 | 75.0 | 107.5 | 25.0 | 50.0 | 18.5 | 44.0 | 20.0 |
| lb/inches         |            |       |      |      |      |      |      |      |       |      |      |      |      |      |
| 13.2              | 5.1        | 4.5   | 3.8  | .88  | .53  | 1.2  | .75  | 2.9  | 4.2   | .98  | 1.9  | .73  | 1.7  | .78  |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
0°F to 150°F/-18°C to 65°C  
Manufacturer: HPSM-D3-6kg-10P9  
Model Number: 150% Full scale  
Safe Overload: 10V AC/DC (15V maximum)  
Rated Excitation:

Combined Error: 0.03% Full scale  
Non-repeatability: 0.01% Full scale  
Insulation Resistance: 5000 megohms  
Seal Type: Welded seal, IP67  
Cable Length: 20'/3.1m  
Cable Color Code: Green .... + Excitation  
Black .... - Excitation  
White .... + Signal  
Red ..... - Signal  
Warranty: 3 years

### HPSM ORDER INFORMATION

| Load<br>Rating       | Part #      | Suggested<br>List Price |
|----------------------|-------------|-------------------------|
| 6 kg (13.2 lb) ..... | 22334 ..... | \$595.00                |

### INTERCHANGEABLE PRODUCTS

| Manufacturer        | Model                |
|---------------------|----------------------|
| Sensortronics ..... | (see page 299) 60064 |

## S-Beams



60001, Alloy Steel ..... Page 270

Single- or multiple-cell tension load applications. Nickel plated, high-alloy steel construction. Integral 20' (6.1m) cable and full environmental protection with stainless steel side plates. Capacities from 25 to 20,000 lb (113.4 to 9071.9 kg). Capacities of 5000 lb (2268.0 kg) or more have standardized output for multiple-cell installations.



60050, Stainless Steel ..... Page 271

Single- or multiple-cell applications. Integral 20' (6.1m) cable and full environmental protection with stainless steel side plates. Stainless steel construction for added corrosion protection. Capacities from 250 to 20,000 lb (113.4 to 9071.9 kg). Capacities of 5000 lb (2268.0 kg) or more have standardized output for multiple-cell installations.



60063, Stainless Steel ..... Page 272

Welded seal stainless steel S-beam load cell designed for compression and tension. Ideal for scale conversions and general-purpose weighing. NTEP approved in capacities from 500 to 5,000 lb (226.8 to 2268.0 kg). Non-NTEP in capacities of 10,000 to 20,000 lb (4535.9 to 9071.9 kg).



60036, Alloy Steel ..... Page 273

Single- or multiple-cell tension load applications. Integral 20' (6.1m) cable. Environmentally protected with neoprene sleeve. Nickel-plated, high-alloy steel construction. Capacities from 25 to 150 lb (11.3 to 68.0 kg).



## Single-Ended Beams



65023, Alloy Steel ..... Page 274

Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Nickel-plated high-alloy steel with thru holes for mounting and a thru or threaded hole for loading. Capacities from 500 to 20,000 lb (226.8 to 9071.9 kg).



65023 SS, Stainless Steel, Threaded/Thru ..... Page 275

Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Stainless steel and a threaded or thru hole for loading. Capacities from 250 to 20,000 lb (226.8 to 9071.9 kg).



65023 S, Stainless Steel ..... Page 276

Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Stainless steel and a threaded hole for loading. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg).



## Single-Ended Beams (Continued)

65083, Stainless Steel ..... Page 277



This welded seal precision load cell offers exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single- or multiple-cell installations, the 65083 has a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg). Integral 20' (6.1m) cable.



65083S, Stainless Steel ..... Page 278



This welded seal precision load cell offers exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single- or multiple-cell installations, the 65083S is provided with a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg). Integral 20' (6.1m) cable.



65007, Alloy Steel ..... Page 279



Ultra-small load cell. Nickel plated and environmentally protected with a stainless steel side plate. Designed for low-profile applications. Capacities from 25 to 250 lb (11.3 to 113.4 kg). Integral 20' (6.1m) cable.



60040, Alloy Steel ..... Page 280



Designed for low-profile, single- or multiple-cell weighing applications. Integral 20' (6.1m) cable. Nickel plated, high-alloy steel construction, environmentally protected with a neoprene sleeve. Capacities from 25 to 500 lb (11.3 to 226.8 kg).



60030, Alloy Steel ..... Page 281



Designed for high-impact loading. Integral 20' (6.1m) cable. High-alloy steel construction. Environmentally protected with a neoprene sleeve. Capacities from 50 to 300 lb (22.7 to 136.1 kg).



60018, Alloy Steel ..... Page 282



Designed for low-profile, single-cell weighing applications. Integral 20' (6.1m) cable. Environmentally protected with neoprene sleeve. Nickel plated high-alloy steel. Capacities from 500 to 2500 lb (226.8 to 1134.0 kg).



## Double-Ended Beams

65016, Alloy Steel ..... Page 283



Nickel plated and environmentally protected with stainless steel side plates. Designed for center loading compatibility with the RL1600 tank weighing assemblies. Capacities from 1000 to 75,000 lb (453.6 to 34,019.4 kg). Integral 25' (7.6m) cable.



65016W, Stainless Steel ..... Page 284



Stainless steel and welded seal weighing applications. Designed for center loading compatibility with RL1600 tank weighing assemblies. Capacities from 1000 to 75,000 lb (453.6 to 34,019.4 kg). Integral 25' (7.6m) cable.



65016WH, Stainless Steel ..... Featured Products Section Page 6, Page 285

65058, Alloy Steel ..... Page 286



Nickel plated and environmentally protected with stainless steel side plates. Designed for center link loading and compatibility with the Unilink or similar suspension systems up to 75,000 lb (34,019.4 kg). NTEP-certified capacities from 20,000 to 125,000 lb (9071.9 to 56,699.1 kg); non-NTEP capacities of 10,000 and 40,000 lb (4535.9 and 18,143.7 kg). Integral 35' (10.6m) cable.



65058 S, Stainless Steel ..... Page 287



The Sensortronics 65058S is a double-ended beam specifically designed for harsh environment vehicle weighing applications. This stainless steel, welded seal product is an ideal substitute for traditional alloy steel, nickel plated units where corrosive or washdown conditions exist. This model is compatible with both the MVS and TSA mounts, and is available in capacities ranging from 10,000 to 200,000 lb (2268.0 to 90,718.5 kg). Each unit is provided with a standard 35' (10.6m) cable.



65061A, Alloy Steel ..... Featured Products Section Page 4, Page 288

65040A, Alloy Steel ..... Page 289



Nickel plated and environmentally protected with stainless steel side plates. Designed for center mounting and double link loading. Capacities from 25,000 to 125,000 lb (11,339.8 to 56,699.1 kg). Integral 35' (10.6m) cable.



## Double Ended Beams (Continued)

65040S, Stainless Steel ..... Page 290



This model is an ungraded version of the Sensortronics 65040A, and is offered in stainless steel, with welded sealing. The center-supported double-ended beam design is compatible with Unilink/Translink mounts. The full stainless, welded seal upgrade makes this model ideal for applications where harsh chemicals and washdown conditions exist. This model is available in capacities ranging from 25,000 to 200,000 lb (11,339.8 to 90,718.5 kg), and is provided with a standard 35' (10.6m) cable.



## Compression Canister

65114, Stainless Steel ..... Page 291



The 65114 was specially designed to provide the superior protection of stainless steel and hermetic sealing for truck scale applications. This model is built to provide a high degree of accuracy, while protecting against the severe conditions that truck scale load cells often endure. The easy installation of "rocker column" type load cells also provides a distinct advantage over traditional market alternatives. Available in three different heights, this product can easily be adapted to existing applications.



## Single Points

60008, Alloy Steel ..... Page 292



Low-capacity load cell designed for single-cell platforms in protected environments. Built-in overload stops protect against overload (up to 5 times rated capacity). Integral 10' (3.1m) cable. 1 to 10 lb (.5 to 4.5 kg) cells may be used with a base size of 6" x 6" (152.4mm x 152.4mm); 20 to 100 lb (9.1 to 45.4 kg) cells, with a base size of 12" x 12" (304.8mm x 304.8mm).



60048, Alloy Steel ..... Page 293



Load cells especially designed for heavy-duty, off-center loads on a 20" x 20" (508mm x 508mm) platform. Nickel plated high-alloy steel construction. Includes integral 10' (3.1m) cable. 1000 lb (453.6 kg) capacity load cell may be used with 30" x 30" (762mm x 762mm) platform. Capacities from 25 to 1000 lb (11.3 to 453.6 kg).



60048 SS, Stainless Steel ..... Page 294



Load cells especially designed for heavy-duty, off-center loads on a 20" x 20" (508mm x 508mm) platform. Stainless steel construction specially designed for washdown situations. Includes integral 10' (3.1m) cable. 1000 lb (453.6 kg) capacity load cell may be used with 30" x 30" (762mm x 762mm) platform. Capacities from 25 to 1000 lb (11.3 to 453.6 kg).



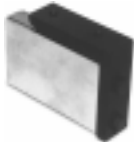


## Single Points (Continued)

60051, Stainless Steel ..... Page 295



Designed as a replacement for the NCI® Mark III in hostile environments. Stainless steel, moisture-resistant single-point cell. Integral 10' (3.1m) cable. 10 to 25 lb (4.5 to 11.3 kg) cells may be used with a base size of 8" x 8" (203.2mm x 203.2mm); 50 to 200 lb (22.7 to 90.7 kg) cells, with a base size of 12" x 12" (304.8mm x 304.8mm).



65024, Alloy Steel ..... Page 296

Low-profile single-point load cell designed for single-cell platforms in protected environments. Nickel-plated alloy steel construction. Capacities from 2 to 25 lb (.9 to 11.3 kg). Integral 10' (3.1m) cable.



60060, Aluminum ..... Page 297

High-capacity off-center load cell accurately weighs loads on a 36" x 36" platform. Aluminum clear anodized construction. Capacities from 100 to 2000 lb (45.4 to 907.2 kg). Integral 10' (3.1m) cable.



60060-0101, Stainless Steel ..... Page 298

High-capacity off-center load cell accurately weighs loads on a 36" x 36" platform. Stainless steel construction. Capacities from 250 to 2000 lb (113.4 to 907.2 kg). Integral 10' (3.1m) cable.

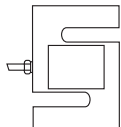


60064, Stainless Steel ..... Page 299

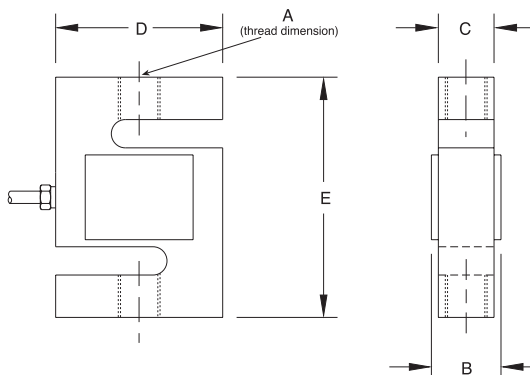
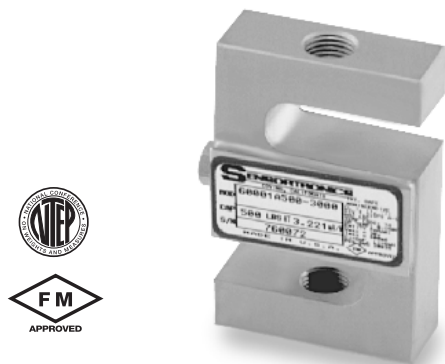
This low-profile single point is designed for bench scale and checkweigher applications that require stainless steel, hermetically-sealed solutions. Ideal for harsh washdown environments. Capacities from 25 to 100 lb (11.3 to 45.3 kg). Complete with 10' (3.1m) of load cell cable.







## 60001 S-Beam, Alloy Steel NTEP 1:5000 Class III/1:10000 Class IIIL Single Cell, IP67



### SPECIFICATIONS:

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                                                                         |
| Bridge Resistance:     | 350 ohms, nominal                                                                                |
| Material/Finish:       | High-alloy steel, nickel plated                                                                  |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C                                                 |
| Mfg. Model Number:     | 60001A-XX-1177                                                                                   |
| Safe Overload:         | 150% Full scale                                                                                  |
| Rated Excitation:      | 10V DC (15V maximum)                                                                             |
| Nonlinearity:          | 0.03% Full scale                                                                                 |
| Hysteresis:            | 0.02% Full scale                                                                                 |
| Insulation Resistance: | 5000 megohms                                                                                     |
| Seal Type:             | Environmentally protected                                                                        |
| Cable Length:          | 20'/6.1m                                                                                         |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                          |

### RATED CAPACITY

|                  | A               | B    | C    | D    | E    |
|------------------|-----------------|------|------|------|------|
| <b>lb/inches</b> |                 |      |      |      |      |
| 25-100           | 1/4-28 UNF      | .65  | .50  | 2.00 | 2.50 |
| 250-300          | 3/8-24 UNF-2B   | .75  | .50  | 2.00 | 3.00 |
| 500-2000         | 1/2-20 UNF-2B   | 1.00 | .75  | 2.00 | 3.00 |
| 2500-3000        | 1/2-20 UNF-2B   | 1.25 | 1.00 | 2.00 | 3.00 |
| 5000             | 3/4-16 UNF-2B   | 1.25 | 1.00 | 3.00 | 4.25 |
| 10,000           | 3/4-16 UNF-2B   | 1.25 | 1.00 | 3.50 | 4.75 |
| 15,000           | 1-14 UNS-2B     | 1.50 | 1.25 | 4.00 | 5.50 |
| 20,000           | 1 1/4-12 UNF-2B | 2.25 | 2.00 | 5.00 | 7.00 |

### kg/millimeters

|               | A               | B    | C    | D     | E     |
|---------------|-----------------|------|------|-------|-------|
| 11.3-45.4     | 1/4-28 UNF      | 16.5 | 12.7 | 50.8  | 63.5  |
| 113.4-136.1   | 3/8-24 UNF-2B   | 19.1 | 12.7 | 50.8  | 76.2  |
| 226.8-907.2   | 1/2-20 UNF-2B   | 25.4 | 19.1 | 50.8  | 76.2  |
| 1134.0-1360.8 | 1/2-20 UNF-2B   | 31.8 | 25.4 | 50.8  | 76.2  |
| 2268.0        | 3/4-16 UNF-2B   | 31.8 | 25.4 | 76.2  | 108.0 |
| 4535.9        | 3/4-16 UNF-2B   | 31.8 | 25.4 | 88.9  | 120.7 |
| 6803.9        | 1-14 UNS-2B     | 38.1 | 31.8 | 101.6 | 139.7 |
| 9071.9        | 1 1/4-12 UNF-2B | 57.2 | 50.8 | 127.0 | 177.8 |

### DIMENSIONS

### 60001 ORDER INFORMATION

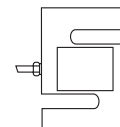
| Load Rating           | Part # | Suggested List Price |
|-----------------------|--------|----------------------|
| 25 lb (11.3 kg)       | 61116  | \$295.00             |
| 50 lb (22.7 kg)       | 61117  | \$295.00             |
| 100 lb (45.4 kg)      | 61118  | \$295.00             |
| 250 lb (113.4 kg)     | 61120  | \$295.00             |
| 300 lb (136.1 kg)     | 61121  | \$295.00             |
| 500 lb (226.8 kg)     | 61122  | \$295.00             |
| 750 lb (340.2 kg)     | 61123  | \$295.00             |
| 1000 lb (453.6 kg)    | 61124  | \$295.00             |
| 1500 lb (680.4 kg)    | 61125  | \$295.00             |
| 2000 lb (907.2 kg)    | 61126  | \$295.00             |
| 2500 lb (1134.0 kg)   | 61127  | \$335.00             |
| 3000 lb (1360.8 kg)   | 61128  | \$335.00             |
| 5000 lb (2268.0 kg)   | 61129  | \$475.00             |
| 10,000 lb (4535.9 kg) | 61130  | \$475.00             |
| 15,000 lb (6803.9 kg) | 61131  | \$575.00             |
| 20,000 lb (9071.9 kg) | 61132  | \$895.00             |

### INTERCHANGEABLE PRODUCTS

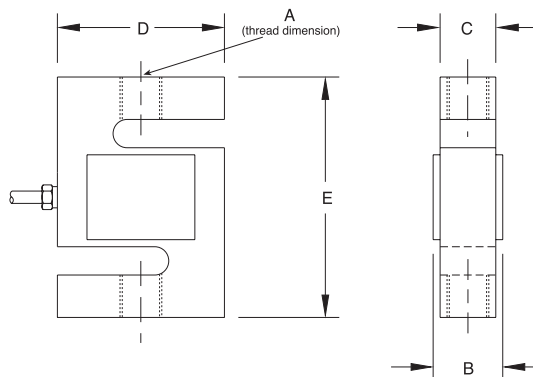
| Manufacturer               | Model                 |
|----------------------------|-----------------------|
| Rice Lake Weighing Systems | (see page 98) RL20001 |
| Celtron                    | (see page 176) STC    |

### WEIGH MODULE AVAILABLE

| Model                            | Page #        |
|----------------------------------|---------------|
| ITCM Isolated Tension Cell Mount | 27-29, or 335 |



## 60050 S-Beam, Stainless Steel, IP67



### SPECIFICATIONS:

**Full Scale Output:** 3.0 mV/V  
**Bridge Resistance:** 350 ohms, nominal  
**Material/Finish:** Stainless steel  
**Temperature:** Compensated range  
 0°F to 150°F/-18°C to 65°C  
**Manufacturer**  
**Model Number:** 60050  
**Safe Overload:** 150% Full scale  
**Rated Excitation:** 10V DC (15V maximum)  
**Nonlinearity:** 0.03% Full scale  
**Hysteresis:** 0.02% Full scale  
**Insulation Resistance:** 5000 megohms  
**Seal Type:** Environmentally protected, IP67  
**Cable Length:** 20'/6.1m  
**Cable Color Code:**  
 Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
**Warranty:** 2 years

### RATED CAPACITY

|                       | DIMENSIONS      |      |      |       |       |
|-----------------------|-----------------|------|------|-------|-------|
|                       | A               | B    | C    | D     | E     |
| <b>lb/inches</b>      |                 |      |      |       |       |
| 250                   | 3/8-24 UNF-2B   | .75  | .50  | 2.00  | 3.00  |
| 500-1500              | 1/2-20 UNF-2B   | 1.00 | .75  | 2.00  | 3.00  |
| 2000-3000             | 1/2-20 UNF-2B   | 1.25 | 1.00 | 2.00  | 3.00  |
| 5000                  | 3/4-16 UNF-2B   | 1.25 | 1.00 | 3.00  | 4.25  |
| 10,000                | 3/4-16 UNF-2B   | 1.25 | 1.00 | 3.50  | 4.75  |
| 15,000                | 1-14 UNS-2B     | 1.50 | 1.25 | 4.00  | 5.50  |
| 20,000                | 1 1/4-12 UNF-2B | 2.00 | 1.94 | 5.00  | 7.00  |
| <b>kg/millimeters</b> |                 |      |      |       |       |
| 113.4                 | 3/8-24 UNF-2B   | 19.1 | 12.7 | 50.8  | 76.2  |
| 226.8-680.4           | 1/2-20 UNF-2B   | 25.4 | 19.1 | 50.8  | 76.2  |
| 907.2-1360.8          | 1/2-20 UNF-2B   | 31.8 | 25.4 | 50.8  | 76.2  |
| 2268.0                | 3/4-16 UNF-2B   | 31.8 | 25.4 | 76.2  | 108.0 |
| 4535.9                | 3/4-16 UNF-2B   | 31.8 | 25.4 | 88.9  | 120.7 |
| 6803.9                | 1-14 UNS-2B     | 38.1 | 31.8 | 101.6 | 139.7 |
| 9071.9                | 1 1/4-12 UNF-2B | 50.8 | 49.3 | 127.0 | 177.8 |

### 60050 ORDER INFORMATION

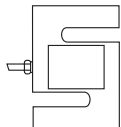
| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| 250 lb (113.4 kg) .....     | 17077 ..... | \$325.00             |
| 500 lb (226.8 kg) .....     | 17078 ..... | \$325.00             |
| 750 lb (340.2 kg) .....     | 17079 ..... | \$325.00             |
| 1000 lb (453.6 kg) .....    | 17080 ..... | \$325.00             |
| 1500 lb (680.4 kg) .....    | 17081 ..... | \$325.00             |
| 2000 lb (907.2 kg) .....    | 17082 ..... | \$365.00             |
| 2500 lb (1134.0 kg) .....   | 17083 ..... | \$365.00             |
| 3000 lb (1360.8 kg) .....   | 17084 ..... | \$365.00             |
| 5000 lb (2268.0 kg) .....   | 17085 ..... | \$550.00             |
| 10,000 lb (4535.9 kg) ..... | 17086 ..... | \$550.00             |
| 15,000 lb (6803.9 kg) ..... | 17087 ..... | \$650.00             |
| 20,000 lb (9071.9 kg) ..... | 17088 ..... | \$975.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer  | Model                 |
|---------------|-----------------------|
| Celtron ..... | (see page 178) STC-SS |

### WEIGH MODULE AVAILABLE

| Model                                  | Page #        |
|----------------------------------------|---------------|
| ITCM Isolated Tension Cell Mount ..... | 27-29, or 335 |



## 60063 S-Beam, Stainless Steel Welded Seal, IP67 1:5000 Class III, 1:10,000 Class IIIL Single Cell

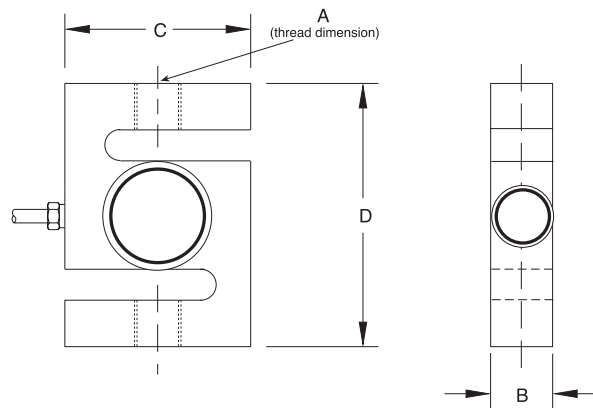


### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
0°F to 150°F/-18°C to 65°C

Manufacturer  
Model Number: 60063  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC (15V maximum)  
Nonlinearity: 0.03% Full scale  
Hysteresis: 0.02% Full scale  
Insulation Resistance: 5000 megohms  
Seal Type: Welded seal, IP67  
Cable Length: 20'/6.1m  
Cable Color Code:  
Red ..... + Excitation  
Black ..... - Excitation  
Green ... + Signal  
White ..... - Signal

Warranty: 2 years



### RATED CAPACITY

#### lb/inches

|             | A        | B    | C    | D    |
|-------------|----------|------|------|------|
| 500-3000    | 1/2-20   | 1.00 | 2.00 | 3.00 |
| 5000-10,000 | 3/4-16   | 1.00 | 3.50 | 4.75 |
| 15,000      | 1-14     | 1.25 | 4.00 | 5.50 |
| 20,000      | 1 1/4-12 | 2.00 | 5.00 | 7.00 |

#### kg/millimeters

|               | A        | B    | C     | D     |
|---------------|----------|------|-------|-------|
| 226.8-1360.8  | 1/2-20   | 25.4 | 50.8  | 76.2  |
| 2268.0-4535.9 | 3/4-16   | 25.4 | 88.9  | 120.7 |
| 6803.9        | 1-14     | 31.8 | 101.6 | 139.7 |
| 9071.9        | 1 1/4-12 | 76.2 | 127.0 | 177.8 |

### 60063 ORDER INFORMATION

| Load Rating         | Part # | Suggested List Price |
|---------------------|--------|----------------------|
| <b>NTEP cells:</b>  |        |                      |
| 500 lb (226.8 kg)   | 36272  | \$495.00             |
| 750 lb (340.2 kg)   | 36273  | \$495.00             |
| 1000 lb (453.6 kg)  | 36274  | \$495.00             |
| 1500 lb (680.4 kg)  | 36275  | \$495.00             |
| 2000 lb (907.2 kg)  | 36276  | \$495.00             |
| 2500 lb (1134.0 kg) | 36277  | \$495.00             |
| 3000 lb (1360.8 kg) | 36278  | \$495.00             |
| 5000 lb (2268.0 kg) | 36279  | \$660.00             |

#### Non-NTEP cells:

|                       |       |            |
|-----------------------|-------|------------|
| 10,000 lb (4535.9 kg) | 36280 | \$660.00   |
| 15,000 lb (6803.9 kg) | 36281 | \$895.00   |
| 20,000 lb (9071.9 kg) | 36282 | \$1,025.00 |

### INTERCHANGEABLE PRODUCTS

#### Manufacturer

#### Model

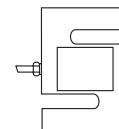
Rice Lake Weighing Systems ..... (see page 100) RL20001 HE

### WEIGH MODULE AVAILABLE

#### Model

#### Page #

ITCM Isolated Tension Cell Mount ..... 24-29, or 335

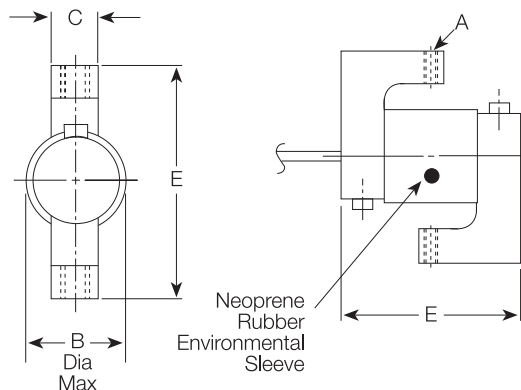


## 60036 S-Beam, Alloy Steel, IP65



### SPECIFICATIONS:

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                                                                         |
| Bridge Resistance:     | 350 ohms, nominal                                                                                |
| Material/Finish:       | High-alloy steel, nickel plated                                                                  |
| Temperature:           | Compensated range<br>0°F to 150°F/-18°C to 65°C                                                  |
| Manufacturer           |                                                                                                  |
| Model Number:          | 60036                                                                                            |
| Safe Overload:         | 150% Full scale                                                                                  |
| Rated Excitation:      | 10V DC (15V maximum)                                                                             |
| Nonlinearity:          | 0.03% Full scale                                                                                 |
| Hysteresis:            | 0.03% Full scale                                                                                 |
| Insulation Resistance: | 5000 megohms                                                                                     |
| Seal Type:             | Environmentally protected with neoprene sleeve, IP65                                             |
| Cable Length:          | 20'/6.1m                                                                                         |
| Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                          |



| RATED<br>CAPACITY                  | DIMENSIONS    |      |      |      |      |
|------------------------------------|---------------|------|------|------|------|
|                                    | A             | B    | C    | D    | E    |
| <b>lb/inches</b><br>25-150         | 1/4-28 UNF-2B | 1.12 | .50  | 2.12 | 2.50 |
| <b>kg/millimeters</b><br>11.3-68.0 | 1/4-28 UNF-2B | 28.5 | 12.7 | 53.9 | 63.5 |

### 60036 ORDER INFORMATION

| Load Rating            | Part #      | Suggested List Price |
|------------------------|-------------|----------------------|
| 25 lb (11.3 kg) .....  | 17038 ..... | \$315.00             |
| 50 lb (22.7 kg) .....  | 17039 ..... | \$315.00             |
| 75 lb (34.0 kg) .....  | 17040 ..... | \$315.00             |
| 100 lb (45.4 kg) ..... | 17041 ..... | \$315.00             |
| 150 lb (68.0 kg) ..... | 17042 ..... | \$315.00             |

### INTERCHANGEABLE PRODUCTS

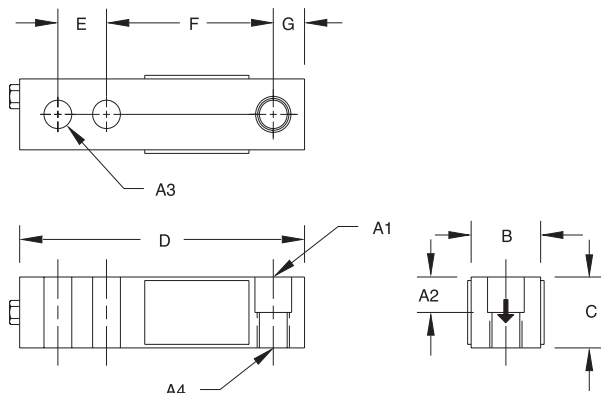
| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 97) RL20000 |
| Celtron .....                    | (see page 176) STC    |
| Revere Transducers .....         | (see page 236) 9363   |

### WEIGH MODULE AVAILABLE

| Model                                  | Page #        |
|----------------------------------------|---------------|
| ITCM Isolated Tension Cell Mount ..... | 24-29, or 335 |



## 65023 Single-Ended Shear Beam, Alloy Steel NTEP 1:5000 Class III Multiple Cell, IP67



| RATED<br>CAPACITY     | DIMENSIONS    |      |      |           |      |      |       |      |       |      |
|-----------------------|---------------|------|------|-----------|------|------|-------|------|-------|------|
|                       | A1            | A2   | A3   | A4        | B    | C    | D     | E    | F     | G    |
| <b>lb/inches</b>      |               |      |      |           |      |      |       |      |       |      |
| 500                   | 1/2-20 UNF-2B | .50  | .53  | .53 DIA.  | 1.25 | 1.00 | 5.12  | 1.00 | 3.00  | .50  |
| 1000-4000             | 1/2-20 UNF-2B | .62  | .53  | .53 DIA.  | 1.25 | 1.25 | 5.12  | 1.00 | 3.00  | .50  |
| 5000-10,000           | 3/4-16 UNF-2B | .75  | .78  | .78 DIA.  | 1.50 | 1.50 | 6.75  | 1.50 | 3.75  | .75  |
| 15,000-20,000         | 1-14 UNS-2B   | 1.00 | 1.03 | 1.03 DIA. | 2.00 | 2.00 | 8.88  | 2.00 | 4.88  | 1.00 |
| <b>kg/millimeters</b> |               |      |      |           |      |      |       |      |       |      |
| 226.8                 | 1/2-20 UNF-2B | 12.7 | 13.5 | 13.5 DIA. | 31.8 | 25.4 | 130.1 | 25.4 | 76.2  | 12.7 |
| 453.6-1814.4          | 1/2-20 UNF-2B | 15.8 | 13.5 | 13.5 DIA. | 31.8 | 31.8 | 130.1 | 25.4 | 76.2  | 12.7 |
| 2268.0-4535.9         | 3/4-16 UNF-2B | 19.1 | 19.8 | 19.8 DIA. | 38.1 | 38.1 | 171.5 | 38.1 | 95.3  | 19.1 |
| 6803.9-9071.9         | 1-14 UNS-2B   | 25.4 | 26.2 | 26.2 DIA. | 50.8 | 50.8 | 225.6 | 50.8 | 124.0 | 25.4 |

### SPECIFICATIONS:

|                        |                                                  |                         |                                                                                                                                            |
|------------------------|--------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 3.0 mV/V                                         | Deflection at Capacity: | 500-1000 lb = .013"/.33mm, 2000-3000 lb = .015"/.38mm, 4000-5000 lb = .025"/.64mm, 10,000 lb = .032"/.81mm, 15,000-20,000 lb = .038"/.97mm |
| Bridge Resistance:     | 350 ohms, nominal                                | Seal Type:              | Environmentally protected, IP67                                                                                                            |
| Material/Finish:       | High-alloy steel, nickel plated                  | Cable Length:           | 20'/6.1m                                                                                                                                   |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White .... - Signal                                           |
| Manufacturer           |                                                  | Warranty:               | 2 years                                                                                                                                    |
| Model Number:          | 65023-XX-X107 (Threaded), 65023-XX (Thru)        |                         |                                                                                                                                            |
| Safe Overload:         | 150% Full scale                                  |                         |                                                                                                                                            |
| Rated Excitation:      | 10V DC (15V maximum)                             |                         |                                                                                                                                            |
| Nonlinearity:          | 0.03% Full scale                                 |                         |                                                                                                                                            |
| Hysteresis:            | 0.02% Full scale                                 |                         |                                                                                                                                            |
| Insulation Resistance: | 5000 megohms                                     |                         |                                                                                                                                            |

### 65023 (THREADED HOLE) ORDER INFORMATION

| Load Rating                       | Part # | Suggested List Price |
|-----------------------------------|--------|----------------------|
| <b>Threaded Hole, NTEP 1:5000</b> |        |                      |
| 1000 lb (453.6 kg)                | 21507  | \$295.00             |
| 2000 lb (907.2 kg)                | 21508  | \$295.00             |
| 2500 lb (1134.0 kg)               | 21509  | \$295.00             |
| 3000 lb (1360.8 kg)               | 21510  | \$295.00             |
| 4000 lb (1814.4 kg)               | 21511  | \$295.00             |
| 5000 lb (2268.0 kg)               | 21512  | \$375.00             |
| 10,000 lb (4535.9 kg)             | 21513  | \$375.00             |
| <b>Threaded Hole, Non-NTEP</b>    |        |                      |
| 500 lb (226.8 kg)                 | 17125  | \$295.00             |
| 15,000 lb (6803.9 kg)             | 17155  | \$650.00             |
| 20,000 lb (9071.9 kg)             | 17159  | \$650.00             |

### 65023 (THRU HOLE) ORDER INFORMATION

| Load Rating                | Part # | Suggested List Price |
|----------------------------|--------|----------------------|
| <b>Thru Hole, Non-NTEP</b> |        |                      |
| 1000 lb (453.6 kg)         | 17126  | \$295.00             |
| 2000 lb (907.2 kg)         | 17130  | \$295.00             |
| 2500 lb (1134.0 kg)        | 17134  | \$295.00             |
| 4000 lb (1814.4 kg)        | 17142  | \$295.00             |
| 5000 lb (2268.0 kg)        | 17146  | \$375.00             |
| 10,000 lb (4535.9 kg)      | 17150  | \$375.00             |
| 15,000 lb (6803.9 kg)      | 17154  | \$650.00             |
| 20,000 lb (9071.9 kg)      | 17158  | \$650.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer               | Model                  |
|----------------------------|------------------------|
| Rice Lake Weighing Systems | (see page 107) RL35023 |
| Celtron                    | (see page 179) SQB     |

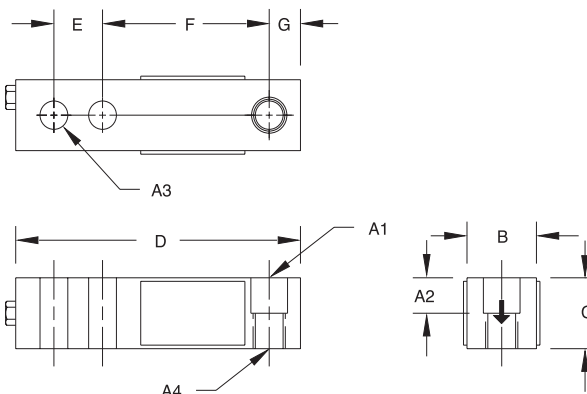
### WEIGH MODULE AVAILABLE

| Model         | Page # |
|---------------|--------|
| RL1800 Series | 40     |
| RL50210TA     | 30     |



## 65023 SS Single-Ended Beam, Stainless Steel Threaded and Thru, IP67

**EXPANDED!**  
Capacity Range



| RATED CAPACITY        | A1            | A2   | A3   | DIMENSIONS A4 | B    | C    | D     | E    | F     | G    |
|-----------------------|---------------|------|------|---------------|------|------|-------|------|-------|------|
| <b>lb/inches</b>      |               |      |      |               |      |      |       |      |       |      |
| 250-500               | 1/2-20 UNF-2B | .50  | .53  | .53 DIA.      | 1.25 | 1.00 | 5.12  | 1.00 | 3.00  | .50  |
| 1000-4000             | 1/2-20 UNF-2B | .62  | .53  | .53 DIA.      | 1.25 | 1.25 | 5.12  | 1.00 | 3.00  | .50  |
| 5000-10,000           | 3/4-16 UNF-2B | .75  | .78  | .78 DIA.      | 1.50 | 1.50 | 6.75  | 1.50 | 3.75  | .75  |
| 15,000-20,000         | 1-14 UNS-2B   | 1.00 | 1.03 | 1.03 DIA.     | 2.00 | 2.00 | 8.88  | 2.00 | 4.88  | 1.00 |
| <b>kg/millimeters</b> |               |      |      |               |      |      |       |      |       |      |
| 113.4-226.8           | 1/2-20 UNF-2B | 12.7 | 13.5 | 13.5 DIA.     | 31.8 | 25.4 | 130.1 | 25.4 | 76.2  | 12.7 |
| 453.6-1814.4          | 1/2-20 UNF-2B | 15.8 | 13.5 | 13.5 DIA.     | 31.8 | 31.8 | 130.1 | 25.4 | 76.2  | 12.7 |
| 2268.0-4535.9         | 3/4-16 UNF-2B | 19.1 | 19.8 | 19.8 DIA.     | 38.1 | 38.1 | 171.5 | 38.1 | 95.3  | 19.1 |
| 6803.9-9071.9         | 1-14 UNS-2B   | 25.4 | 26.2 | 26.2 DIA.     | 50.8 | 50.8 | 225.6 | 50.8 | 124.0 | 25.4 |

### SPECIFICATIONS:

|                    |                                                   |                         |                                                                                                                                            |
|--------------------|---------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                          | Insulation Resistance:  | 5000 megohms                                                                                                                               |
| Bridge Resistance: | 350 ohms, nominal                                 | Deflection at Capacity: | 500-1000 lb = .013"/.33mm, 2000-2500 lb = .015"/.38mm, 4000-5000 lb = .025"/.64mm, 10,000 lb = .032"/.81mm, 15,000-20,000 lb = .038"/.97mm |
| Material/Finish:   | Stainless steel                                   | Seal Type:              | Environmentally protected, IP67                                                                                                            |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C   | Cable Length:           | 20'/6.1m                                                                                                                                   |
| Manufacturer       |                                                   | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal                                         |
| Model Number:      | 65023-XX-0113 (Threaded),<br>65023-XX-0114 (Thru) | Warranty:               | 2 years                                                                                                                                    |
| Safe Overload:     | 150% Full scale                                   |                         |                                                                                                                                            |
| Rated Excitation:  | 10V DC (15V maximum)                              |                         |                                                                                                                                            |
| Nonlinearity:      | 0.03% Full scale                                  |                         |                                                                                                                                            |
| Hysteresis:        | 0.02% Full scale                                  |                         |                                                                                                                                            |

### 65023 SS ORDER INFORMATION

| Load Rating           | Part # | Suggested List Price |
|-----------------------|--------|----------------------|
| <b>Threaded Hole</b>  |        |                      |
| 250 lb (113.4 kg)     | 46499  | \$365.00             |
| 500 lb (226.8 kg)     | 17188  | \$365.00             |
| 1000 lb (453.6 kg)    | 17128  | \$345.00             |
| 2000 lb (907.2 kg)    | 17132  | \$345.00             |
| 2500 lb (1134.0 kg)   | 17136  | \$345.00             |
| 4000 lb (1814.4 kg)   | 17144  | \$345.00             |
| 5000 lb (2268.0 kg)   | 17148  | \$410.00             |
| 10,000 lb (4535.9 kg) | 17152  | \$410.00             |
| 15,000 lb (6803.9 kg) | 17156  | \$760.00             |
| 20,000 lb (9071.9 kg) | 17160  | \$760.00             |
| <b>Thru Hole</b>      |        |                      |
| 1000 lb (453.6 kg)    | 17129  | \$345.00             |
| 2000 lb (907.2 kg)    | 17133  | \$345.00             |
| 2500 lb (1134.0 kg)   | 17137  | \$345.00             |
| 4000 lb (1814.4 kg)   | 17145  | \$345.00             |
| 5000 lb (2268.0 kg)   | 17149  | \$410.00             |
| 10,000 lb (4535.9 kg) | 17153  | \$410.00             |
| 15,000 lb (6803.9 kg) | 17157  | \$760.00             |
| 20,000 lb (9071.9 kg) | 17161  | \$760.00             |

### INTERCHANGEABLE PRODUCTS

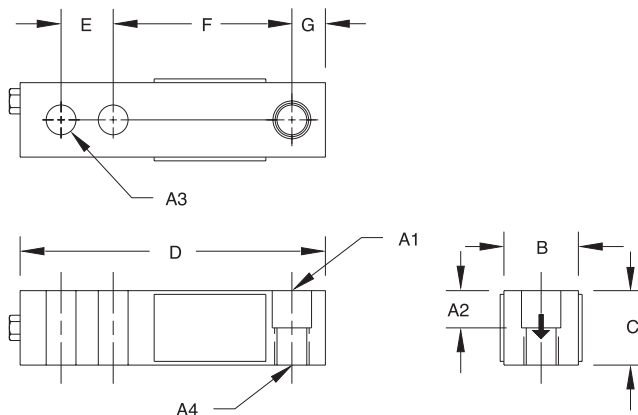
| Manufacturer               | Model                         |
|----------------------------|-------------------------------|
| Rice Lake Weighing Systems | ..... (see page 108) RL35023S |
| Sensortronics              | ..... (see page 276) 65023S   |

### WEIGH MODULE AVAILABLE

| Model         | Page # |
|---------------|--------|
| RL1800 Series | 40     |
| RL50210TA     | 30     |



## 65023 S Single-Ended Shear Beam, Stainless Steel NTEP 1:5000 Class III Multiple Cell, IP67



| RATED<br>CAPACITY     | DIMENSIONS    |      |      |           |      |      |       |      |      |      |
|-----------------------|---------------|------|------|-----------|------|------|-------|------|------|------|
|                       | A1            | A2   | A3   | A4        | B    | C    | D     | E    | F    | G    |
| <b>lb/inches</b>      |               |      |      |           |      |      |       |      |      |      |
| 1000-4000             | 1/2-20 UNF-2B | .62  | .53  | .53 DIA.  | 1.25 | 1.25 | 5.12  | 1.00 | 3.00 | .50  |
| 5000-10,000           | 3/4-16 UNF-2B | .75  | .78  | .78 DIA.  | 1.50 | 1.50 | 6.75  | 1.50 | 3.75 | .75  |
| <b>kg/millimeters</b> |               |      |      |           |      |      |       |      |      |      |
| 453.6-1814.4          | 1/2-20 UNF-2B | 15.8 | 13.5 | 13.5 DIA. | 31.8 | 31.8 | 130.1 | 25.4 | 76.2 | 12.7 |
| 2268.0-4535.9         | 3/4-16 UNF-2B | 19.1 | 19.8 | 19.8 DIA. | 38.1 | 38.1 | 171.5 | 38.1 | 95.3 | 19.1 |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
14°F to 104°F/-10°C to 40°C  
Manufacturer  
Model Number: 65023S-XX-5113  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC (15V maximum)  
Nonlinearity: 0.03% Full scale  
Hysteresis: 0.02% Full scale

Insulation Resistance: 5000 megohms  
Deflection at Capacity: 1000 lb = .013"/.33mm, 2000-2500 lb = .015"/.38mm,  
4000-5000 lb = .025"/.64mm, 10,000 lb = .032"/.81mm  
Seal Type: Environmentally protected, IP67  
Cable Length: 20'/6.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ..... + Signal  
White ..... - Signal  
Warranty: 2 years

### 65023 S ORDER INFORMATION

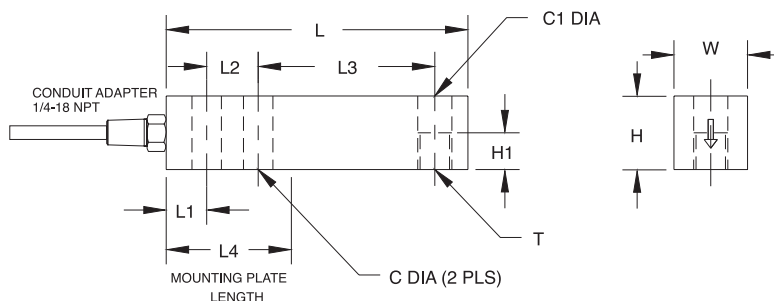
| Load Rating           | Part # | Suggested List Price |
|-----------------------|--------|----------------------|
| <b>Threaded Hole</b>  |        |                      |
| 1000 lb (453.6 kg)    | 28925  | \$365.00             |
| 2000 lb (907.2 kg)    | 28926  | \$365.00             |
| 2500 lb (1134.0 kg)   | 28927  | \$365.00             |
| 4000 lb (1814.4 kg)   | 28929  | \$365.00             |
| 5000 lb (2268.0 kg)   | 28930  | \$430.00             |
| 10,000 lb (4535.9 kg) | 28931  | \$430.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer               | Model    |
|----------------------------|----------|
| Rice Lake Weighing Systems | RL35023S |
| Sensortronics              | 65023 SS |

### WEIGH MODULE AVAILABLE

| Model         | Page # |
|---------------|--------|
| RL1800 Series | 40     |
| RL50210TA     | 30     |



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |       |      |      |      |      |               |      |
|-----------------------|------------|------|------|------|-------|------|------|------|------|---------------|------|
|                       | C          | C1   | H    | H1   | L     | L1   | L2   | L3   | L4   | T             | W    |
| <b>lb/inches</b>      |            |      |      |      |       |      |      |      |      |               |      |
| 1000-4000             | .53        | .53  | 1.22 | .61  | 5.12  | .62  | 1.00 | 3.00 | 2.25 | 1/2-20 UNF-2B | 1.22 |
| 5000-10,000           | .78        | .78  | 1.50 | .75  | 6.75  | .75  | 1.50 | 3.75 | 3.00 | 3/4-16 UNF-2B | 1.50 |
| <b>kg/millimeters</b> |            |      |      |      |       |      |      |      |      |               |      |
| 453.6-1814.4          | 13.5       | 13.5 | 31.0 | 15.5 | 130.0 | 15.7 | 25.4 | 76.2 | 57.2 | 1/2-20 UNF-2B | 31.0 |
| 2268.0-4535.9         | 19.8       | 19.8 | 38.1 | 19.1 | 171.5 | 19.1 | 38.1 | 95.3 | 76.2 | 3/4-16 UNF-2B | 38.1 |

|                    |                                               |                         |                                                                                                  |
|--------------------|-----------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                      | Insulation Resistance:  | 5000 megohms                                                                                     |
| Bridge Resistance: | 350 ohms, nominal                             | Deflection at Capacity: | 1000 lb = .013"/.33mm, 2500 lb = .015"/.38mm,                                                    |
| Material/Finish:   | Stainless steel                               |                         | 4000-5000 lb = .025"/.64mm,                                                                      |
| Temperature:       | Operating range<br>0°F to 150°F/-18°C to 65°C | Seal Type:              | 10,000 lb = .032"/.81mm<br>Welded seal*, IP67                                                    |
| Manufacturer       |                                               | Cable Length:           | 20'/6.1m                                                                                         |
| Model Number:      | 65083-XX-0100                                 | Conduit Adapter Size:   | 1/4-18 NPT                                                                                       |
| Safe Overload:     | 150% Full scale                               | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Rated Excitation:  | 10V DC (15V maximum)                          |                         |                                                                                                  |
| Combined Error:    | 0.3% Full scale                               |                         |                                                                                                  |
| Non-repeatability: | 0.01% Full scale                              | Warranty:               | 2 years                                                                                          |

| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| 1000 lb (453.6 kg) .....    | 17262 ..... | \$405.00             |
| 2500 lb (1134.0 kg) .....   | 17263 ..... | \$405.00             |
| 4000 lb (1814.4 kg) .....   | 17264 ..... | \$405.00             |
| 5000 lb (2268.0 kg) .....   | 17265 ..... | \$455.00             |
| 10,000 lb (4535.9 kg) ..... | 17266 ..... | \$455.00             |

| Manufacturer                                    | Model   |
|-------------------------------------------------|---------|
| Rice Lake Weighing Systems ..... (see page 108) | RL35083 |

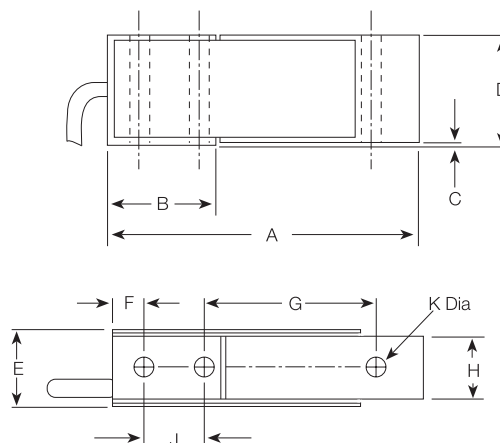
| Model               | Page # |
|---------------------|--------|
| RL1800 Series ..... | 40     |
| RL50210TA .....     | 30     |







## 65007 Single-Ended Beam, Alloy Steel, IP67



### RATED CAPACITY

**lb/inches**  
25-250

| A    | B   | C   | D    | E   | F   | G    | H   | J   | K    |
|------|-----|-----|------|-----|-----|------|-----|-----|------|
| 2.38 | .90 | .03 | 1.00 | .63 | .25 | 1.31 | .50 | .50 | .171 |

**kg/millimeters**  
11.3-113.4

|      |      |     |      |      |     |      |      |      |     |
|------|------|-----|------|------|-----|------|------|------|-----|
| 60.5 | 22.9 | .76 | 25.4 | 16.0 | 6.4 | 33.3 | 12.7 | 12.7 | 4.3 |
|------|------|-----|------|------|-----|------|------|------|-----|

### DIMENSIONS

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: High-alloy steel, nickel plated  
 Temperature: Compensated range  
 0°F to 150°F/-18°C to 65°C  
 Manufacturer  
 Model Number: 65007  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V DC  
 Nonlinearity: 0.03% Full scale

Hysteresis: 0.02% Full scale  
 Insulation Resistance: 5000 megohms  
 Seal Type: Environmentally protected, IP67  
 Cable Length: 20'/6.1m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Signal  
 White ..... - Signal  
 Warranty: 2 years

### 65007 ORDER INFORMATION

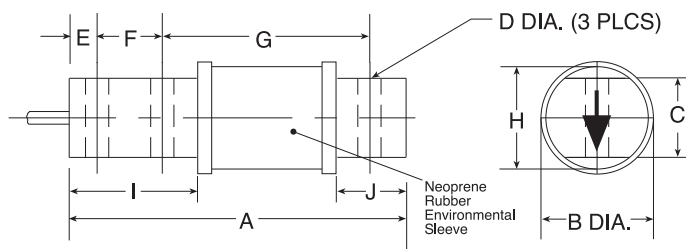
| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 25 lb (11.3 kg) .....   | 30158 ..... | \$250.00             |
| 50 lb (22.7 kg) .....   | 30159 ..... | \$250.00             |
| 75 lb (34.0 kg) .....   | 30160 ..... | \$250.00             |
| 150 lb (68.0 kg) .....  | 17457 ..... | \$250.00             |
| 250 lb (113.4 kg) ..... | 17458 ..... | \$250.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer             | Model              |
|--------------------------|--------------------|
| Celtron .....            | (see page 180) MBB |
| Interface® .....         | MB                 |
| Revere Transducers ..... | CBU                |



## 60040 Single-Ended Beam, Alloy Steel, IP65



### RATED CAPACITY

lb/inches  
25-500

| A    | B    | C   | D   | E   | F   | G    | H    | I    | J    |
|------|------|-----|-----|-----|-----|------|------|------|------|
| 2.81 | 1.30 | .62 | .26 | .25 | .50 | 1.81 | 1.00 | 1.00 | 1.00 |

kg/millimeters  
11.3-226.8

|      |      |      |     |     |      |      |      |      |      |
|------|------|------|-----|-----|------|------|------|------|------|
| 71.4 | 33.0 | 15.8 | 6.6 | 6.4 | 12.7 | 46.0 | 25.4 | 25.4 | 12.7 |
|------|------|------|-----|-----|------|------|------|------|------|

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: High-alloy steel, nickel plated  
Temperature: Compensated range  
0°F to 150°F/-18°C to 65°C  
Manufacturer  
Model Number: 60040  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC (15V maximum)  
Nonlinearity: 0.03% Full scale  
Hysteresis: 0.02% Full scale

Insulation Resistance: 5000 megohms  
Deflection at Capacity: 25-50 lb = .008"/20mm, 75-100 lb = .010"/25mm,  
150 lb = .012"/30mm, 250 lb = .016"/41mm,  
500 lb = .025"/64mm  
Seal Type: Environmentally protected with a neoprene sleeve, IP65  
Cable Length: 20'/6.1m  
Cable Color Code: Red ..... + Excitation  
Black .... - Excitation  
Green ... + Signal  
White ... - Signal  
Warranty: 2 years

### 60040 ORDER INFORMATION

| Load Rating       | Part # | Suggested List Price |
|-------------------|--------|----------------------|
| 25 lb (11.3 kg)   | 17369  | \$245.00             |
| 50 lb (22.7 kg)   | 17370  | \$245.00             |
| 75 lb (34.0 kg)   | 17371  | \$245.00             |
| 100 lb (45.4 kg)  | 17372  | \$245.00             |
| 150 lb (68.0 kg)  | 17373  | \$245.00             |
| 250 lb (113.4 kg) | 17374  | \$245.00             |
| 500 lb (226.8 kg) | 17375  | \$245.00             |

### INTERCHANGEABLE PRODUCTS

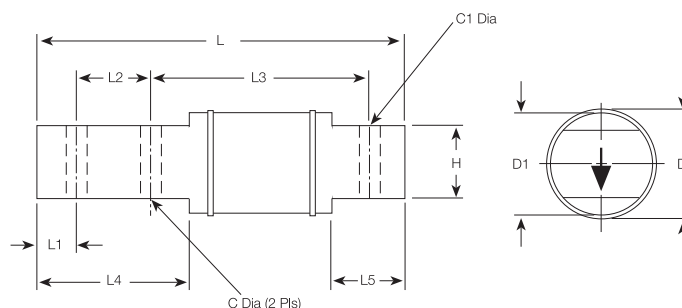
| Manufacturer               | Model                    |
|----------------------------|--------------------------|
| Rice Lake Weighing Systems | (see page 120) RL50210   |
| Revere Transducers         | 5503                     |
| Artech                     | 50210                    |
| Rice Lake Weighing Systems | (see page 121) RL50210SS |

### WEIGH MODULE AVAILABLE

| Model      | Page# |
|------------|-------|
| RL50210 TA | 30    |



## 60030 Single-Ended Beam, Alloy Steel, IP65



| RATED CAPACITY        | C   | C1   | D    | D1   | H    | L    | L1  | L2   | L3   | L4   | L5   |
|-----------------------|-----|------|------|------|------|------|-----|------|------|------|------|
| <b>lb/inches</b>      |     |      |      |      |      |      |     |      |      |      |      |
| 50-300                | .26 | .172 | 1.12 | 1.00 | .62  | 3.75 | .25 | .50  | 2.75 | 1.00 | .69  |
| <b>kg/millimeters</b> |     |      |      |      |      |      |     |      |      |      |      |
| 22.7-136.1            | 6.6 | 4.4  | 28.5 | 25.4 | 15.8 | 95.3 | 6.4 | 12.7 | 69.9 | 25.4 | 17.5 |

### SPECIFICATIONS:

|                    |                                                 |                        |                                                                                                  |
|--------------------|-------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                        | Insulation Resistance: | 5000 megohms                                                                                     |
| Bridge Resistance: | 350 ohms, nominal                               | Seal Type:             | Environmentally protected with a neoprene sleeve, IP65                                           |
| Material/Finish:   | High-alloy steel, nickel plated                 | Cable Length:          | 20'/6.1m                                                                                         |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C | Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Manufacturer       |                                                 | Warranty:              | 2 years                                                                                          |
| Model Number:      | 60030                                           |                        |                                                                                                  |
| Safe Overload:     | 150% Full scale                                 |                        |                                                                                                  |
| Rated Excitation:  | 10V DC                                          |                        |                                                                                                  |
| Nonlinearity:      | 0.04% Full scale                                |                        |                                                                                                  |
| Hysteresis:        | 0.02% Full scale                                |                        |                                                                                                  |

### 60030 ORDER INFORMATION

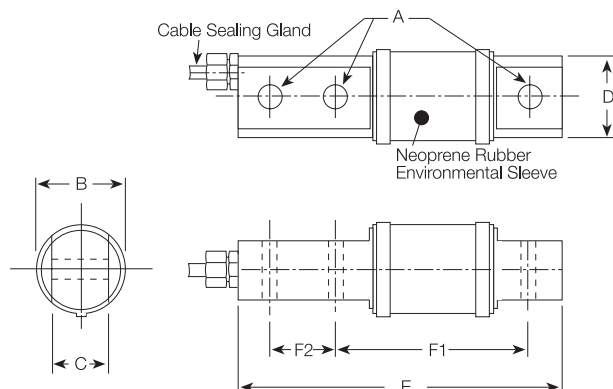
| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 50 lb (22.7 kg) .....   | 17365 ..... | \$315.00             |
| 75 lb (34.0 kg) .....   | 17366 ..... | \$315.00             |
| 150 lb (68.0 kg) .....  | 17367 ..... | \$315.00             |
| 300 lb (136.1 kg) ..... | 17368 ..... | \$315.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer       | Model     |
|--------------------|-----------|
| Electroscale ..... | LCB Bases |



## 60018 Single-Ended Beam, Alloy Steel, IP65



### RATED CAPACITY

**lb/inches**  
500-2500

**A**

**B**

### DIMENSIONS

**C**

**D**

**E**

**F1**

**F2**

**kg/millimeters**  
226.8-1134.0

13.2

35.1

19.1

31.8

130.1

76.2

25.4

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: High-alloy steel, nickel plated  
Temperature: Compensated range  
0°F to 150°F/-18°C to 65°C  
Manufacturer  
Model Number: 60018  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC (15V maximum)  
Nonlinearity: 0.05% Full scale  
Hysteresis: 0.03% Full scale

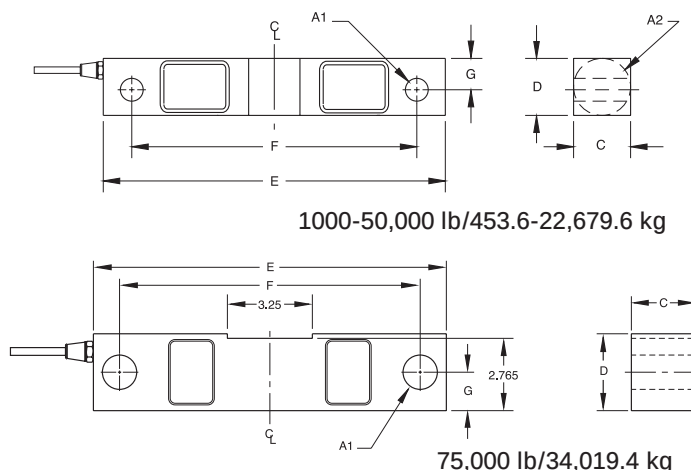
Insulation Resistance: 5000 megohms  
Seal Type: Environmentally protected with a neoprene sleeve, IP65  
Cable Length: 20'/6.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ... + Signal  
White ..... - Signal  
Warranty: 2 years

### 60018 ORDER INFORMATION

| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| 500 lb (226.8 kg) .....   | 17362 ..... | \$415.00             |
| 1000 lb (453.6 kg) .....  | 17363 ..... | \$415.00             |
| 2500 lb (1134.0 kg) ..... | 17364 ..... | \$415.00             |



## 65016 Double-Ended Beam, Alloy Steel, IP67



| RATED CAPACITY        | A1   | A2   | C    | D    | E     | F     | G    | CONDUIT ADAPTER |
|-----------------------|------|------|------|------|-------|-------|------|-----------------|
| <b>lb/inches</b>      |      |      |      |      |       |       |      |                 |
| 1000-5000             | .50  | 1.25 | 1.25 | 1.25 | 7.50  | 6.25  | .69  | 1/4-18 NPT      |
| 10,000-25,000         | .81  | 1.99 | 1.44 | 1.94 | 8.75  | 7.50  | .96  | 1/4-18 NPT      |
| 35,000                | .81  | 2.50 | 1.50 | 2.50 | 8.75  | 7.50  | —    |                 |
| 50,000                | 1.31 | 3.00 | 2.44 | 2.94 | 13.50 | 11.50 | 1.50 | 1/2-14 NPT      |
| 75,000                | 1.31 | —    | 2.44 | 2.94 | 13.50 | 11.50 | 1.47 | 1/2-14 NPT      |
| <b>kg/millimeters</b> |      |      |      |      |       |       |      |                 |
| 453.6-2268.0          | 12.7 | 31.8 | 31.8 | 31.8 | 190.5 | 158.8 | 17.5 | 1/4-18 NPT      |
| 4535.9-15,876.0       | 20.6 | 50.8 | 36.6 | 49.3 | 222.3 | 190.5 | 24.4 | 1/4-18 NPT      |
| 22,679.6              | 33.3 | 76.2 | 62.0 | 74.7 | 342.9 | 292.1 | 38.1 | 1/2-14 NPT      |
| 34,019.4              | 33.3 | —    | 62.0 | 74.7 | 342.9 | 292.1 | 37.3 | 1/2-14 NPT      |

### SPECIFICATIONS:

|                    |                                                 |                        |                                                                                                  |
|--------------------|-------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V nominal                                | Nonlinearity:          | 0.03% Full scale                                                                                 |
| Bridge Resistance: | 700 ohms, nominal                               | Hysteresis:            | 0.02% Full scale                                                                                 |
| Material/Finish:   | High-alloy steel, nickel plated                 | Insulation Resistance: | 5000 megohms                                                                                     |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C | Seal Type:             | Environmentally protected, IP67                                                                  |
| Manufacturer       |                                                 | Cable Length:          | 25'/7.6m                                                                                         |
| Model Number:      | 65016-XX                                        | Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Safe Overload:     | 150% Full scale                                 | Warranty:              | 2 years                                                                                          |
| Rated Excitation:  | 10V AC/DC (25V maximum)                         |                        |                                                                                                  |

### 65016 ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 1000 lb (453.6 kg) .....      | 17268 ..... | \$550.00             |
| 1500 lb (680.4 kg) .....      | 17270 ..... | \$550.00             |
| 2500 lb (1134.0 kg) .....     | 17273 ..... | \$550.00             |
| 5000 lb (2268.0 kg) .....     | 17275 ..... | \$550.00             |
| 10,000 lb (4535.9 kg) .....   | 17277 ..... | \$625.00             |
| 15,000 lb (6803.9 kg) .....   | 17279 ..... | \$625.00             |
| 20,000 lb (9071.9 kg) .....   | 17281 ..... | \$625.00             |
| 25,000 lb (11,339.8 kg) ..... | 17282 ..... | \$625.00             |
| 35,000 lb (15,876.0 kg) ..... | 46498 ..... | \$830.00             |
| 50,000 lb (22,679.6 kg) ..... | 17284 ..... | \$950.00             |
| 75,000 lb (34,019.4 kg) ..... | 25358 ..... | \$950.00             |

NOTE: 75,000 lb capacity has a square center.

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                  |
|----------------------------------|------------------------|
| Rice Lake Weighing Systems ..... | (see page 134) RL75016 |
| Celtron .....                    | (see page 182) DSR     |
| Revere Transducers .....         | 5203                   |

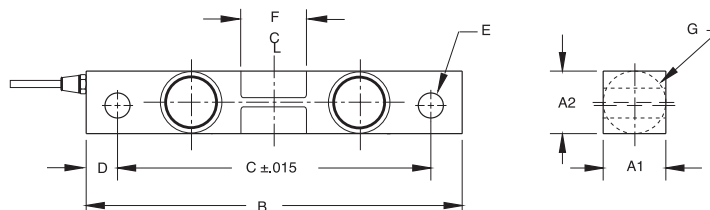
### WEIGH MODULE AVAILABLE

| Model               | Page # |
|---------------------|--------|
| RL1600 Series ..... | 58-64  |



# 65016W Double-Ended Beam, Stainless Steel

## Welded Seal, IP67



| RATED<br>CAPACITY | DIMENSIONS |      |       |       |      |      |      |      | CONDUIT<br>ADAPTER |
|-------------------|------------|------|-------|-------|------|------|------|------|--------------------|
|                   | A1         | A2   | B     | C     | D    | E    | F    | G    |                    |
| lb/inches         |            |      |       |       |      |      |      |      |                    |
| 1000-5000         | 1.22       | 1.22 | 7.50  | 6.25  | .62  | .50  | 1.12 | 1.25 | 1/4-18NPT          |
| 10,000-25,000     | 1.44       | 1.94 | 8.75  | 7.50  | .62  | .81  | 1.62 | 1.99 | 1/4-18NPT          |
| 50,000-75,000     | 2.44       | 2.94 | 13.50 | 11.50 | 1.00 | 1.31 | 3.25 | 2.99 | 1/2-14NPT          |
| kg/millimeters    |            |      |       |       |      |      |      |      |                    |
| 453.6-2268.0      | 31.0       | 31.0 | 190.5 | 158.8 | 15.7 | 12.7 | 28.4 | 31.8 | 1/4-18NPT          |
| 4535.9-11,339.8   | 36.6       | 49.3 | 222.3 | 190.5 | 15.7 | 20.6 | 41.1 | 50.5 | 1/4-18NPT          |
| 15,876.0          | 36.6       | 62.0 | 222.3 | 190.5 | 15.7 | 20.6 | 41.1 | 63.5 | 1/4-18NPT          |
| 22,679.6-34,019.4 | 62.0       | 74.7 | 342.9 | 292.1 | 25.4 | 33.3 | 82.6 | 75.9 | 1/2-14NPT          |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V nominal  
Bridge Resistance: 700 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
0°F to 150°F/-18°C to 65°C

Manufacturer  
Model Number: 65016W-XX-0104W  
Safe Overload: 150% Full scale  
Rated Excitation: 10V AC/DC (25V maximum)

Nonlinearity: 0.03% Full scale  
Hysteresis: 0.02% Full scale  
Insulation Resistance: 5000 megohms  
Seal Type: Welded seal, IP67  
Cable Length: 25'/7.6m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ... + Signal  
White ..... - Signal

Warranty: 2 years

### 65016W ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 1000 lb (453.6 kg) .....      | 36295 ..... | \$595.00             |
| 1500 lb (680.4 kg) .....      | 36296 ..... | \$595.00             |
| 2000 lb (907.2 kg) .....      | 36297 ..... | \$595.00             |
| 2500 lb (1134.0 kg) .....     | 36298 ..... | \$595.00             |
| 5000 lb (2268.0 kg) .....     | 36299 ..... | \$595.00             |
| 10,000 lb (4535.9 kg) .....   | 36300 ..... | \$675.00             |
| 15,000 lb (6803.9 kg) .....   | 36301 ..... | \$675.00             |
| 20,000 lb (9071.9 kg) .....   | 36302 ..... | \$675.00             |
| 25,000 lb (11,339.8 kg) ..... | 36303 ..... | \$675.00             |
| 50,000 lb (22,679.6 kg) ..... | 36304 ..... | \$1,150.00           |
| 75,000 lb (34,019.4 kg) ..... | 36305 ..... | \$1,150.00           |

NOTE: 75,000 lb capacity has a square center.

### INTERCHANGEABLE PRODUCTS

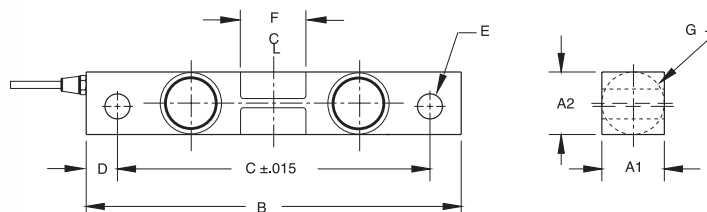
| Manufacturer                     | Model                    |
|----------------------------------|--------------------------|
| Rice Lake Weighing Systems ..... | (see page 139) RL75016HE |

### WEIGH MODULE AVAILABLE

| Model               | Page # |
|---------------------|--------|
| RL1600 Series ..... | 58-64  |



## 65016WH Double-Ended Beam, Stainless Steel Hermetically Sealed, IP68



| RATED CAPACITY        | A1   | A2   | B     | C     | D    | E    | F    | G    | CONDUIT ADAPTER |
|-----------------------|------|------|-------|-------|------|------|------|------|-----------------|
| <b>lb/inches</b>      |      |      |       |       |      |      |      |      |                 |
| 1000-5000             | 1.22 | 1.22 | 7.50  | 6.25  | .62  | .50  | 1.12 | 1.25 | 1/2-14 NPT      |
| 10,000-25,000         | 1.44 | 1.94 | 8.75  | 7.50  | .62  | .81  | 1.62 | 1.99 | 1/2-14 NPT      |
| 50,000-75,000         | 2.44 | 2.94 | 13.50 | 11.50 | 1.00 | 1.31 | 3.25 | 2.99 | 1/2-14 NPT      |
| <b>kg/millimeters</b> |      |      |       |       |      |      |      |      |                 |
| 453.6-2268.0          | 31.0 | 31.0 | 190.5 | 158.8 | 15.7 | 12.7 | 28.4 | 31.8 |                 |
| 4535.9-11,339.8       | 36.6 | 49.3 | 222.3 | 190.5 | 15.7 | 20.6 | 41.1 | 50.5 |                 |
| 15,876.0              | 36.6 | 62.0 | 222.3 | 190.5 | 15.7 | 20.6 | 41.1 | 63.5 |                 |
| 22,679.6-34,019.4     | 62.0 | 74.7 | 342.9 | 292.1 | 25.4 | 33.3 | 82.6 | 75.9 |                 |

### SPECIFICATIONS:

|                    |                                                 |                        |                                                                                                  |
|--------------------|-------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V nominal                                | Nonlinearity:          | 0.03% Full scale                                                                                 |
| Bridge Resistance: | 700 ohms, nominal                               | Hysteresis:            | 0.02% Full scale                                                                                 |
| Material/Finish:   | Stainless steel                                 | Insulation Resistance: | 5000 megohms                                                                                     |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C | Seal Type:             | Hermetically seal, IP68                                                                          |
| Manufacturer       |                                                 | Cable Length:          | 25'/7.6m                                                                                         |
| Model Number:      | 65016W-XX-0104WH                                | Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Safe Overload:     | 150% Full scale                                 | Warranty:              | 2 years                                                                                          |
| Rated Excitation:  | 10V AC/DC (25V maximum)                         |                        |                                                                                                  |

### 65016W ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 1000 lb (453.6 kg) .....      | 65827 ..... | \$675.00             |
| 1500 lb (680.4 kg) .....      | 65828 ..... | \$675.00             |
| 2000 lb (907.2 kg) .....      | 65829 ..... | \$675.00             |
| 2500 lb (1134.0 kg) .....     | 65830 ..... | \$675.00             |
| 5000 lb (2268.0 kg) .....     | 65831 ..... | \$675.00             |
| 10,000 lb (4535.9 kg) .....   | 65832 ..... | \$755.00             |
| 15,000 lb (6803.9 kg) .....   | 65833 ..... | \$755.00             |
| 20,000 lb (9071.9 kg) .....   | 65834 ..... | \$755.00             |
| 25,000 lb (11,339.8 kg) ..... | 65835 ..... | \$755.00             |
| 50,000 lb (22,679.6 kg) ..... | 65836 ..... | \$1,150.00           |
| 75,000 lb (34,019.4 kg) ..... | 65837 ..... | \$1,150.00           |

NOTE: 75,000 lb capacity has a square center.

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                    |
|----------------------------------|--------------------------|
| Rice Lake Weighing Systems ..... | (see page 139) RL75016HE |
| Sensortronics .....              | 65016W                   |

### WEIGH MODULE AVAILABLE

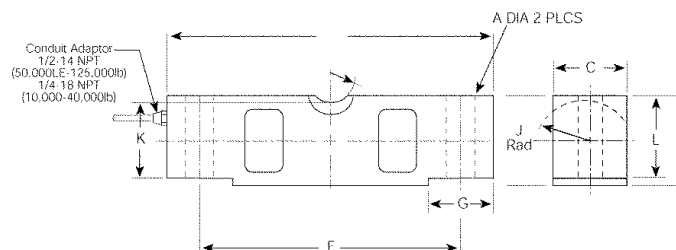
| Model               | Page # |
|---------------------|--------|
| RL1600 Series ..... | 58-64  |





## 65058 Double-Ended Beam, Alloy Steel NTEP 1:6000/1:10,000 Class IIIL Multiple Cell, IP67

**NEW  
PRODUCT**



| RATED<br>CAPACITY     | DIMENSIONS |      |      |       |       |      |      |      |      |      |
|-----------------------|------------|------|------|-------|-------|------|------|------|------|------|
|                       | A          | C    | D    | E     | F     | G    | H    | J    | K    | L    |
| <b>lb/inches</b>      |            |      |      |       |       |      |      |      |      |      |
| 10,000-25,000         | .68        | 1.69 | 1.94 | 7.75  | 6.50  | 1.38 | .75  | .90  | 1.63 | 1.70 |
| 40,000-50,000SE*      | .81        | 1.94 | 2.44 | 10.25 | 8.50  | 1.93 | 1.00 | 1.12 | 2.00 | 2.10 |
| 50,000LE-75,000       | 1.06       | 2.44 | 2.94 | 10.25 | 8.50  | 1.93 | 1.00 | 1.37 | 2.54 | 2.65 |
| 100,000-125,000       | 1.62       | 2.90 | 3.86 | 15.25 | 12.75 | 3.13 | 1.50 | 1.80 | 3.30 | 3.43 |
| <b>kg/millimeters</b> |            |      |      |       |       |      |      |      |      |      |
| 4535.9-11,339.8       | 17.3       | 42.9 | 49.3 | 196.9 | 165.1 | 35.1 | 19.1 | 22.9 | 41.4 | 43.2 |
| 18,143.7-22,679.6SE   | 20.6       | 49.3 | 62.0 | 260.4 | 215.9 | 49.0 | 25.4 | 28.5 | 50.8 | 53.3 |
| 22,679.6LE-34,019.4   | 26.9       | 62.0 | 74.7 | 260.4 | 215.9 | 49.0 | 25.4 | 34.8 | 64.5 | 67.3 |
| 45,359.4-56,699.1     | 41.2       | 73.7 | 98.0 | 387.4 | 323.9 | 79.5 | 38.1 | 45.7 | 83.8 | 87.1 |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
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  
Mfr. Model Number: 65058A-XX-6000 (1:6000)  
65058A-XX-1000 (1:10,000)  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC (25V maximum)  
Nonlinearity: 0.03% Full scale

Hysteresis: 0.02% Full scale  
Insulation Resistance: 5000 megohms  
Seal Type: Environmentally protected, IP67  
Cable Length: 35'/10.6m  
Cable Coloring: Red ..... + Excitation  
Black ..... - Excitation  
Green ... + Signal  
White ..... - Signal  
Warranty: 2 years

### 65058 ORDER INFORMATION

| Load Rating                | Part # | Suggested List Price |
|----------------------------|--------|----------------------|
| <b>NTEP 1:6000</b>         |        |                      |
| 20,000 lb (9071.9 kg)      | 21560  | \$615.00             |
| 25,000 lb (11,339.8 kg)    | 21561  | \$615.00             |
| 40,000 lb (18,143.7 kg)    | 21586  | \$740.00             |
| 50,000 lbLE (22,679.6 kg)  | 21562  | \$815.00             |
| 60,000 lb (27,215.5 kg)    | 21563  | \$815.00             |
| 75,000 lb (34,019.4 kg)    | 21564  | \$815.00             |
| 100,000 lb (45,359.4 kg)   | 21587  | \$1,555.00           |
| 125,000 lb (56,699.1 kg)   | 21588  | \$1,555.00           |
| <b>NTEP 1:10,000</b>       |        |                      |
| 20,000 lb (9071.9 kg)      | 21592  | \$635.00             |
| 25,000 lb (11,339.8 kg)    | 21593  | \$635.00             |
| 40,000 lb (18,143.7 kg)    | 21608  | \$760.00             |
| 50,000 lbSE* (22,679.6 kg) | 26081  | \$910.00             |
| 50,000 lbLE (22,679.6 kg)  | 21594  | \$835.00             |
| 60,000 lb (27,215.5 kg)    | 21595  | \$835.00             |
| 75,000 lb (34,019.4 kg)    | 21596  | \$835.00             |
| 100,000 lb (45,359.4 kg)   | 21609  | \$1,575.00           |
| 125,000 lb (56,699.1 kg)   | 21610  | \$1,575.00           |
| <b>Non-NTEP</b>            |        |                      |
| 10,000 lb (4535.9 kg)      | 17287  | \$615.00             |

### 65058A ORDER INFORMATION

| Load Rating            | Part # | Suggested List Price |
|------------------------|--------|----------------------|
| <b>60' Cable</b>       |        |                      |
| 75000 lb (34,019.4 kg) | 39459  | \$860.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer               | Model                  |
|----------------------------|------------------------|
| Rice Lake Weighing Systems | (see page 137) RL75058 |
| Celtron                    | (see page 183) CLB     |
| Tedea                      | (see page 311) 4158    |

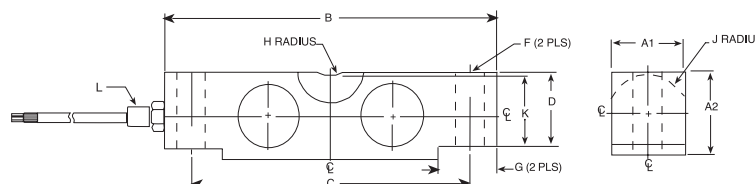
### WEIGH MODULE AVAILABLE

| Model   | Page # |
|---------|--------|
| 2100 HE | 20     |
| TSA     | 72     |

\* Howe-Richardson LOAD STAR 65058A-50K-1127



## 65058 S Double-Ended Beam, Stainless Steel Welded Seal, NTEP 1:10,000 Class IIIL Multiple Cell, IP67



| RATED CAPACITY        | A    | A2   | B     | C     | D    | F    | G    | H    | J    | K    | L         |
|-----------------------|------|------|-------|-------|------|------|------|------|------|------|-----------|
| <b>lb/inches</b>      |      |      |       |       |      |      |      |      |      |      |           |
| 20,000-25,000         | 1.69 | 1.94 | 7.75  | 6.50  | 1.70 | .68  | 1.38 | .75  | .90  | 1.63 | 1/4-18NPT |
| 35,000-75,000         | 2.44 | 2.94 | 10.25 | 8.50  | 2.65 | 1.06 | 1.93 | 1.00 | 1.37 | 2.54 | 1/2-14NPT |
| 100,000               | 2.44 | 3.44 | 10.25 | 8.50  | 2.65 | 1.06 | 1.93 | 1.00 | 1.37 | 2.54 | 1/2-14NPT |
| <b>kg/millimeters</b> |      |      |       |       |      |      |      |      |      |      |           |
| 9072-11340            | 43.0 | 49.3 | 196.9 | 165.1 | 43.2 | 17.3 | 35.1 | 19.1 | 22.9 | 41.4 | 1/4-18NPT |
| 15876-34020           | 62.0 | 74.7 | 260.4 | 216.0 | 67.3 | 27.0 | 49.0 | 25.4 | 34.8 | 64.5 | 1/2-14NPT |
| 45360                 | 62.0 | 87.4 | 260.4 | 216.0 | 67.3 | 27.0 | 49.0 | 25.4 | 34.8 | 64.5 | 1/2-14NPT |

### SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                         |
| Bridge Resistance: | 700 ohms, nominal                                |
| Material/Finish:   | Stainless steel                                  |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Manufacturer       |                                                  |
| Model Number:      | 65058S-XX-1000W                                  |
| Safe Overload:     | 150% Full scale                                  |
| Rated Excitation:  | 10V DC (25V maximum)                             |
| Nonlinearity:      | 0.03% Full scale                                 |

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Hysteresis:            | 0.02% Full scale                                                                                 |
| Insulation Resistance: | 5000 ohms                                                                                        |
| Seal Type:             | Hermetically sealed, IP67                                                                        |
| Cable Length:          | 35'/10.6m                                                                                        |
| Cable Coloring:        | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Output<br>White ..... - Output |
| Warranty:              | 2 years                                                                                          |

### 65058 S ORDER INFORMATION

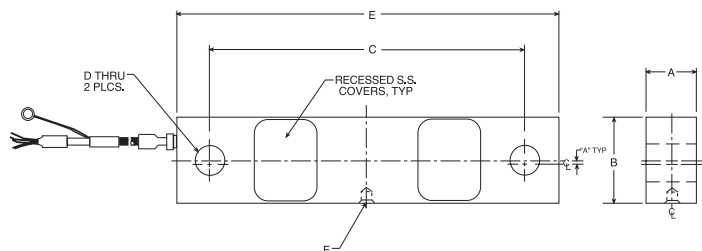
| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| <b>35 ft Cables</b>            |             |                      |
| 20,000 lb (9,072 kg) .....     | 45475 ..... | \$765.00             |
| 25,000 lb (11,339.8 kg) .....  | 45476 ..... | \$765.00             |
| 40,000 lb (18,143.7 kg) .....  | 45477 ..... | \$915.00             |
| 50,000 lb (22,679.6 kg) .....  | 45478 ..... | \$995.00             |
| 60,000 lb (27,215.3 kg) .....  | 45479 ..... | \$995.00             |
| 75,000 lb (34,019.4 kg) .....  | 45480 ..... | \$995.00             |
| 100,000 lb (45,359.2 kg) ..... | 45481 ..... | \$1,890.00           |
| 125,000 lb (56,699.1 kg) ..... | 45482 ..... | \$1,890.00           |
| 200,000 lb (90,720 kg) .....   | 45483 ..... | \$3,780.00           |
| <b>60 ft Cable</b>             |             |                      |
| 75,000 lb (34,019.4 kg) .....  | 48698 ..... | \$1,235.00           |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                  |
|----------------------------------|------------------------|
| Rice Lake Weighing Systems ..... | (see page 137) RL75058 |
| Sensortronics .....              | (see page 286) 65058   |



## 65061A Double-Ended Beam, Alloy Steel NTEP 1:10,000 Class IIIL Multiple Cell, IP67



### RATED CAPACITY

lb/inches  
40,000  
50,000

A

B

C

### DIMENSIONS

D

E

F

### kg/millimeters

18,143.7  
22,679.6

49.3  
49.3

62.0  
74.7

222.3  
222.3

45.2  
27.0

266.7  
266.7

6.5 X 9.5 DP  
6.5 X 9.5 DP

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
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  
Mfr. Model Number: 65061A-XX-1108 (Rodent cable)  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC (25V maximum)  
Nonlinearity: 0.03% Full scale

Hysteresis: 0.02% Full scale  
Insulation Resistance: 5000 ohms  
Seal Type: Welded seal, IP67  
Cable Length: 60'/18.2m stainless steel overbraid  
Cable Coloring: Red ..... + Excitation  
Black ..... - Excitation  
Green ... + Signal  
White ..... - Signal  
Warranty: 2 years

### 65061A ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| 40,000 lb (18,143.7 kg) ..... | 47850 ..... | \$1,330.00           |
| 50,000 lb (22,679.6 kg) ..... | 47851 ..... | \$1,330.00           |

### Mounting Assembly Accessories

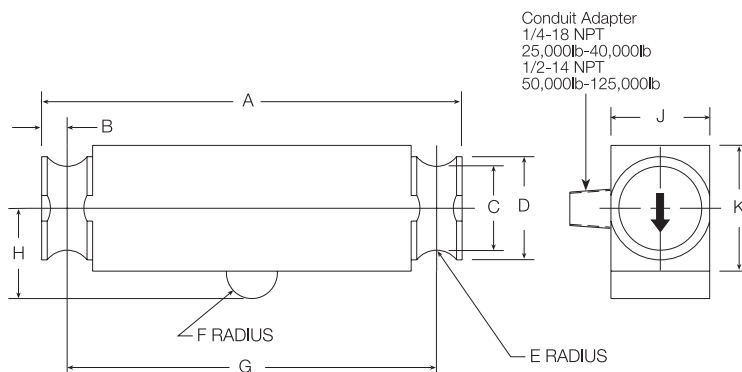
|                       |             |          |
|-----------------------|-------------|----------|
| Load Button .....     | 25524 ..... | \$35.00  |
| Load Pin .....        | 50807 ..... | \$67.00  |
| Bearing Screw .....   | 44837 ..... | \$99.00  |
| Bushing .....         | 50748 ..... | \$27.00  |
| Load Cell Stand ..... | 50767 ..... | \$186.00 |
| Support Pin .....     | 50747 ..... | \$24.00  |
| Washer .....          | 10816 ..... | \$2.30   |
| Cotter Pin .....      | 15244 ..... | \$1.00   |

### INTERCHANGEABLE PRODUCTS

| Manufacturer     | Model       |
|------------------|-------------|
| Fairbanks® ..... | Rodan 91088 |



## 65040A Double-Ended Beam, Alloy Steel NTEP 1:6000/1:10,000 Class IIIL Multiple Cell, IP67



| RATED CAPACITY        | A     | B    | C    | D    | E    | F    | G     | H    | J    | K    |
|-----------------------|-------|------|------|------|------|------|-------|------|------|------|
| <b>lb/inches</b>      |       |      |      |      |      |      |       |      |      |      |
| 25,000-50,000SE       | 8.25  | .50  | 1.63 | 2.00 | .50  | .50  | 7.25  | 1.75 | 1.94 | 2.44 |
| 50,000-75,000         | 11.50 | .75  | 1.70 | 2.20 | .75  | 1.00 | 10.00 | 2.00 | 1.94 | 2.94 |
| 100,000-125,000       | 14.50 | 1.00 | 2.44 | 3.20 | 1.00 | 1.50 | 12.50 | 2.75 | 2.90 | 3.86 |
| <b>kg/millimeters</b> |       |      |      |      |      |      |       |      |      |      |
| 11,339.8-22,679.6SE   | 209.6 | 12.7 | 41.4 | 50.8 | 12.7 | 12.7 | 184.2 | 44.5 | 49.3 | 62.0 |
| 22,679.6-34,019.4     | 292.1 | 19.1 | 43.2 | 55.9 | 19.1 | 25.4 | 254.0 | 50.8 | 49.3 | 74.7 |
| 45,359.2-56,699.1     | 368.3 | 25.4 | 62.0 | 81.3 | 25.4 | 38.1 | 317.5 | 69.9 | 73.7 | 98.0 |

### SPECIFICATIONS:

|                    |                                                      |
|--------------------|------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                             |
| Bridge Resistance: | 700 ohms, nominal                                    |
| Material/Finish:   | High-alloy steel, nickel plated                      |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C     |
| Manufacturer       |                                                      |
| Model Number:      | 65040A-XX-6000 (1:6000)<br>65040A-XX-1000 (1:10,000) |
| Safe Overload:     | 150% Full scale                                      |
| Rated Excitation:  | 10V DC (25V maximum)                                 |

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Nonlinearity:          | 0.03% Full scale                                                                                 |
| Hysteresis:            | 0.02% Full scale                                                                                 |
| Insulation Resistance: | 5000 megohms                                                                                     |
| Seal Type:             | Welded seal, IP67                                                                                |
| Cable Length:          | 35'/10.6m                                                                                        |
| Cable Coloring:        | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                          |

### 65040A ORDER INFORMATION

| Load Rating                     | Part #      | Suggested List Price |
|---------------------------------|-------------|----------------------|
| <b>NTEP 1:6000</b>              |             |                      |
| 25,000 lb (11,339.8 kg) .....   | 21576 ..... | \$615.00             |
| 40,000 lb (18,143.7 kg) .....   | 21577 ..... | \$740.00             |
| 50,000 lb (22,679.6 kg) .....   | 21578 ..... | \$815.00             |
| 60,000 lb (27,215.3 kg) .....   | 21579 ..... | \$815.00             |
| 75,000 lb (34,019.4 kg) .....   | 21580 ..... | \$815.00             |
| 100,000 lb (45,359.2 kg) .....  | 21581 ..... | \$1,555.00           |
| 125,000 lb (56,699.1 kg) .....  | 21582 ..... | \$1,555.00           |
| <b>NTEP 1:10,000</b>            |             |                      |
| 25,000 lb (11,339.8 kg) .....   | 21598 ..... | \$635.00             |
| 40,000 lb (18,143.7 kg) .....   | 21599 ..... | \$760.00             |
| 50,000SE lb (22,679.6 kg) ..... | 66080 ..... | \$760.00             |
| 50,000 lb (22,679.6 kg) .....   | 21600 ..... | \$835.00             |
| 60,000 lb (27,215.3 kg) .....   | 21601 ..... | \$835.00             |
| 75,000 lb (34,019.4 kg) .....   | 21602 ..... | \$835.00             |
| 100,000 lb (45,359.2 kg) .....  | 21603 ..... | \$1,575.00           |
| 125,000 lb (56,699.1 kg) .....  | 21604 ..... | \$1,575.00           |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                   |
|----------------------------------|-------------------------|
| Rice Lake Weighing Systems ..... | (see page 138) RL75040A |
| Thurman® .....                   | TSC 840                 |
| Celtron .....                    | (see page 183) DLB      |

### WEIGH MODULE AVAILABLE

| Model            | Page # |
|------------------|--------|
| Translink™ ..... | 78     |

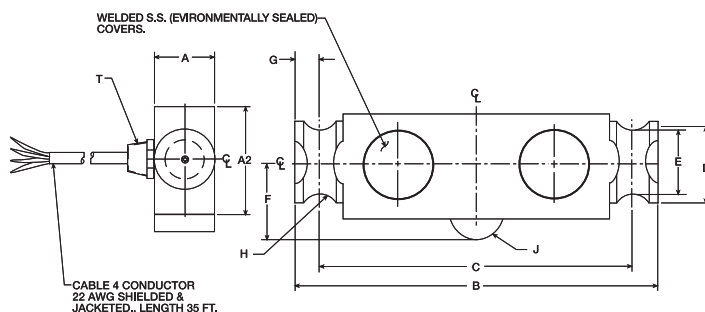
Thurman is a registered trademark of Thurman Scale Co.

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Prices & Specifications subject to change without notice



## 65040 S Double-Ended Beam, Stainless Steel Welded Seal, NTEP 1:10,000 Class IIIL Multiple Cell, IP67



| RATED<br>CAPACITY     | DIMENSIONS |      |       |       |      |      |      |      |      |      |            |
|-----------------------|------------|------|-------|-------|------|------|------|------|------|------|------------|
|                       | A          | A2   | B     | C     | D    | E    | F    | G    | H    | J    | T          |
| <b>lb/inches</b>      |            |      |       |       |      |      |      |      |      |      |            |
| 25,000-40,000         | 1.94       | 2.44 | 8.25  | 7.25  | 2.00 | 1.63 | 1.75 | .50  | .50  | .50  | 1/4-18 NPT |
| 50,000-75,000         | 1.94       | 2.94 | 11.50 | 10.00 | 2.20 | 1.70 | 2.00 | .75  | .75  | 1.00 | 1/4-18 NPT |
| <b>kg/millimeters</b> |            |      |       |       |      |      |      |      |      |      |            |
| 11,340-18,144         | 49.2       | 62.0 | 209.6 | 184.2 | 50.8 | 41.4 | 44.5 | 12.7 | 12.7 | 12.7 | 1/4-18 NPT |
| 22,680-34,020         | 49.2       | 74.7 | 292.1 | 254.0 | 55.9 | 43.2 | 50.8 | 19.1 | 19.1 | 25.4 | 1/4-18 NPT |

### SPECIFICATIONS:

Full Scale Output: 3.0 mV/V  
Bridge Resistance: 700 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
14°F to 104°F/-10°C to 40°C  
Mfr. Model Number: 65040S-XX-1123W  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC (25V maximum)  
Nonlinearity: 0.03% Full scale

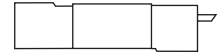
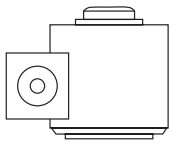
Hysteresis: 0.02% Full scale  
Insulation Resistance: 5000 megohms  
Seal Type: Hermetically sealed, IP67  
Cable Length: 35'/10.6m  
Cable Coloring: Red ..... + Excitation  
Black ..... - Excitation  
Green ... + Signal  
White ..... - Signal  
Warranty: 2 years

### 65040 S ORDER INFORMATION

| Load Rating                    | Part #      | Suggested List Price |
|--------------------------------|-------------|----------------------|
| 25,000 lb (11,339.8 kg) .....  | 45467 ..... | \$765.00             |
| 40,000 lb (18,143.7 kg) .....  | 45468 ..... | \$915.00             |
| 50,000 lb (22,679.6 kg) .....  | 45469 ..... | \$995.00             |
| 60,000 lb (27,215.5 kg) .....  | 45470 ..... | \$995.00             |
| 75,000 lb (34,019.4 kg) .....  | 45471 ..... | \$995.00             |
| 100,000 lb (45,359.4 kg) ..... | 45472 ..... | \$1,890.00           |
| 125,000 lb (56,699.1 kg) ..... | 45473 ..... | \$1,890.00           |
| 200,000 lb (90,720 kg) .....   | 45474 ..... | \$3,780.00           |

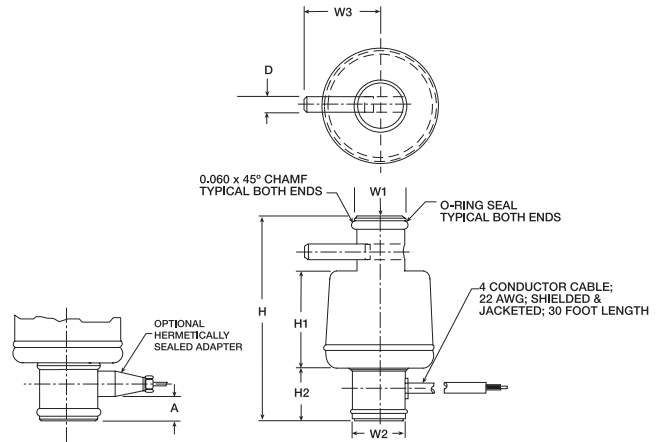
### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                   |
|----------------------------------|-------------------------|
| Rice Lake Weighing Systems ..... | (see page 140) RL75040A |
| Sensortronics .....              | (see page 289) 65040A   |



## 65114 Rocker Column, Stainless Steel

### Hermetically Sealed IP68, NTEP 1:10,000



| RATED<br>CAPACITY     | DIMENSIONS |     |       |      |      |       |      |            |
|-----------------------|------------|-----|-------|------|------|-------|------|------------|
|                       | A          | D   | H     | H1   | H2   | W1    | W2   | W3         |
| <b>lb/inches</b>      |            |     |       |      |      |       |      |            |
| 50,000                | .62        | .38 | 6.00  | 2.82 | 1.59 | 1.46  | 1.46 | 2.18 ± .06 |
| 50,000LE              | .62        | .38 | 7.56  | 2.82 | 1.59 | 1.46  | 1.46 | 2.18 ± .06 |
| 100,000               | .62        | .38 | 8.86  | 2.82 | 1.59 | 1.46  | 1.46 | 2.18 ± .06 |
| <b>kg/millimeters</b> |            |     |       |      |      |       |      |            |
| 22,680.0              | 15.6       | 9.7 | 152.4 | 71.6 | 40.4 | 37.08 | 37.1 | 55.4 ± 1.5 |
| 22,680.0              | 15.6       | 9.7 | 192.0 | 71.6 | 40.4 | 37.08 | 37.1 | 55.4 ± 1.5 |
| 45,360.0              | 15.6       | 9.7 | 225.0 | 71.6 | 40.4 | 37.08 | 37.1 | 55.4 ± 1.5 |

#### SPECIFICATIONS:

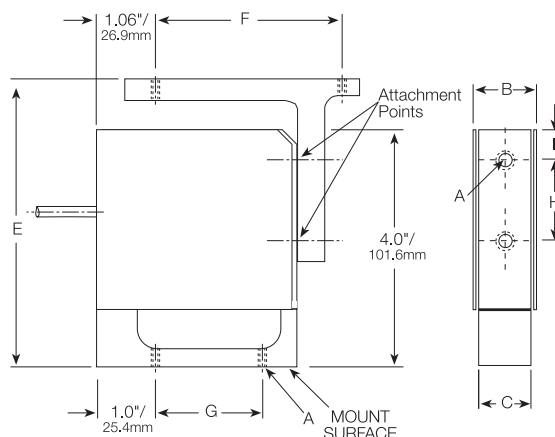
|                    |                                                  |                        |                                                                                                  |
|--------------------|--------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V nominal                                 | Combined Error:        | 0.03% Full scale                                                                                 |
| Bridge Resistance: | 1000 Ohms                                        | Insulation Resistance: | 1000 megohms                                                                                     |
| Material/Finish:   | Stainless steel                                  | Seal Type:             | Hermetically sealed, IP68                                                                        |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Length:          | 35'/10.6m                                                                                        |
| Manufacturer       |                                                  | Cable Color Code:      | Red ..... + Excitation<br>Black ..... - Excitation<br>Green .... + Signal<br>White .... - Signal |
| Model Number:      | 65114SXX-1000H                                   | Warranty:              | 2 years                                                                                          |
| Safe Overload:     | 150% Full scale                                  |                        |                                                                                                  |
| Rated Excitation:  | 5V AC/DC (25V maximum)                           |                        |                                                                                                  |

#### 65114 ORDER INFORMATION

| Load<br>Rating                  | Part #      | Suggested<br>List Price |
|---------------------------------|-------------|-------------------------|
| 50,000 lb (22,680.0 kg) .....   | 46497 ..... | \$695.00                |
| 50,000LE lb (22,680.0 kg) ..... | 47952 ..... | \$695.00                |
| 100,000 lb (45,360.0 kg) .....  | 47953 ..... | \$1035.00               |



## 60008 Single Point, Alloy Steel, IP61



| RATED<br>CAPACITY     | DIMENSIONS |      |      |       |      |      |      |      |
|-----------------------|------------|------|------|-------|------|------|------|------|
|                       | A          | B    | C    | E     | F    | G    | H    | I    |
| <b>lb/inches</b>      |            |      |      |       |      |      |      |      |
| 1-10                  | 1/4-28 UNF | .62  | .50  | 4.75  | 2.75 | 1.75 | 1.52 | .65  |
| 20-50                 | 1/4-28 UNF | .88  | .75  | 4.75  | 2.75 | 1.75 | 1.52 | .65  |
| 100                   | 1/4-28 UNF | 1.20 | 1.00 | 4.75  | 2.75 | 1.75 | 1.52 | .65  |
| <b>kg/millimeters</b> |            |      |      |       |      |      |      |      |
| 0.5-4.5               | 1/4-28 UNF | 15.8 | 12.7 | 120.7 | 69.9 | 44.5 | 38.6 | 16.5 |
| 9.1-22.7              | 1/4-28 UNF | 22.4 | 19.1 | 120.7 | 69.9 | 44.5 | 38.6 | 16.5 |
| 45.4                  | 1/4-28 UNF | 30.5 | 25.4 | 120.7 | 69.9 | 44.5 | 38.6 | 16.5 |

### SPECIFICATIONS:

|                    |                                                 |                         |                                                                                                    |
|--------------------|-------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                        | Insulation Resistance:  | 5000 megohms                                                                                       |
| Bridge Resistance: | 350 ohms, nominal                               | Deflection at Capacity: | 1-2 lb = .023"/.58mm, 5-20 lb = .020"/.51mm                                                        |
| Material/Finish:   | High-alloy steel, nickel plated                 | Seal Type:              | Environmentally protected, IP61                                                                    |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C | Max. Platform Size:     | 1-10 lb = 8" x 8"/203.2mm x 203.2mm;<br>20-100 lb = 12" x 12"/304.8mm x 304.8mm                    |
| Manufacturer       |                                                 | Cable Length:           | 10'/3.1m                                                                                           |
| Model Number:      | 60008                                           | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal |
| Safe Overload:     | 150% Full scale                                 | Warranty:               | 2 years                                                                                            |
| Rated Excitation:  | 10V DC (25V maximum)                            |                         |                                                                                                    |
| Nonlinearity:      | 0.03% Full scale                                |                         |                                                                                                    |
| Hysteresis:        | 0.02% Full scale                                |                         |                                                                                                    |

### 60008 ORDER INFORMATION

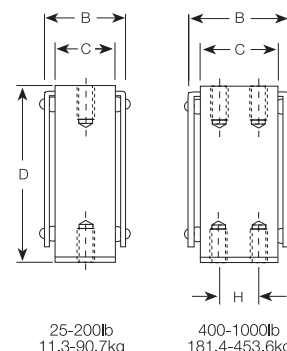
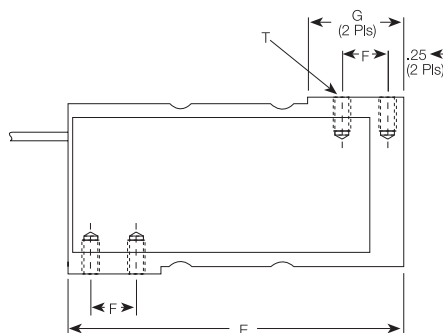
| Load Rating            | Part #      | Suggested List Price |
|------------------------|-------------|----------------------|
| 1 lb (0.5 kg) .....    | 17409 ..... | \$450.00             |
| 2 lb (0.9 kg) .....    | 17410 ..... | \$450.00             |
| 5 lb (2.3 kg) .....    | 17411 ..... | \$450.00             |
| 10 lb (4.5 kg) .....   | 17412 ..... | \$450.00             |
| 20 lb (9.1 kg) .....   | 17413 ..... | \$450.00             |
| 25 lb (11.3 kg) .....  | 17414 ..... | \$450.00             |
| 50 lb (22.7 kg) .....  | 17415 ..... | \$450.00             |
| 100 lb (45.4 kg) ..... | 17416 ..... | \$450.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer       | Model   |
|--------------------|---------|
| Electroscale ..... | 905/910 |



## 60048 Single Point, Alloy Steel, IP61



25-200lb  
11.3-90.7kg

400-1000lb  
181.4-453.6kg

### RATED CAPACITY

### DIMENSIONS

|                       | T                    | B    | C    | D    | E     | F    | G    | H    |
|-----------------------|----------------------|------|------|------|-------|------|------|------|
| <b>lb/inches</b>      |                      |      |      |      |       |      |      |      |
| 25-200                | 1/4-28 UNF x .75 DP  | 1.25 | 1.00 | 3.00 | 6.00  | 1.00 | 1.50 | —    |
| 400-500               | 1/4-28 UNF x .75 DP  | 1.25 | 1.00 | 3.00 | 6.00  | 1.00 | 1.50 | .50  |
| 1000                  | 5/16-24 UNF x .75 DP | 1.75 | 1.50 | 3.00 | 6.00  | 1.00 | 1.50 | 1.00 |
| <b>kg/millimeters</b> |                      |      |      |      |       |      |      |      |
| 11.3-90.7             | 1/4-28 UNF x .75 DP  | 31.8 | 25.4 | 76.2 | 152.4 | 25.4 | 38.1 | —    |
| 181.4-226.8           | 1/4-28 UNF x .75 DP  | 31.8 | 25.4 | 76.2 | 152.4 | 25.4 | 38.1 | 12.7 |
| 453.6                 | 5/16-24 UNF x .75 DP | 44.5 | 38.1 | 76.2 | 152.4 | 25.4 | 38.1 | 25.4 |

### SPECIFICATIONS:

|                    |                                              |                         |                                                                                                                     |
|--------------------|----------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V nominal                             | Hysteresis:             | 0.02% Full scale                                                                                                    |
| Bridge Resistance: | 350 ohms, nominal                            | Insulation Resistance:  | 5000 megohms                                                                                                        |
| Material/Finish:   | High-alloy steel, nickel plated              | Deflection at Capacity: | 25 lb = .016"/.41mm, 50-100 lb = .013"/.33mm, 200 lb = .015"/.38mm, 400-500 lb = .023"/.58mm, 1000 lb = .016"/.41mm |
| Temperature:       | Compensated range 0°F to 150°F/-18°C to 65°C | Seal Type:              | Environmentally protected, unpotted, IP61                                                                           |
| Manufacturer       |                                              | Cable Length:           | 10'/3.1m                                                                                                            |
| Model Number:      | 60048                                        | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal                  |
| Safe Overload:     | 150% Full scale                              | Warranty:               | 2 years                                                                                                             |
| Rated Excitation:  | 10V DC (15V maximum)                         |                         |                                                                                                                     |
| Nonlinearity:      | 0.03% Full scale                             |                         |                                                                                                                     |

### 60048 ORDER INFORMATION

| Load Rating        | Part # | Suggested List Price |
|--------------------|--------|----------------------|
| 25 lb (11.3 kg)    | 17418  | \$425.00             |
| 50 lb (22.7 kg)    | 17420  | \$395.00             |
| 100 lb (45.4 kg)   | 17422  | \$395.00             |
| 200 lb (90.7 kg)   | 17424  | \$395.00             |
| 400 lb (181.4 kg)  | 17426  | \$440.00             |
| 500 lb (226.8 kg)  | 17428  | \$465.00             |
| 1000 lb (453.6 kg) | 17430  | \$535.00             |

Adapter Kit (400 & 500 lb) ..... 25562 ..... \$39.00  
Single Adapter (25-200 lb) ..... 17683 ..... \$15.00

Adapter 17683 is needed to use the 60048 load cell in NCI model 3255 and 3256 bases, 25-200 lb (11.3-90.7 kg) capacities. Adapter kit 25562 is needed to convert 400-500 lb (181.4-226.8 kg) capacity cells to these bases.

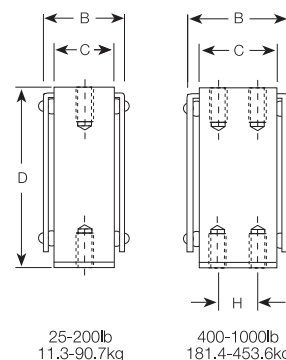
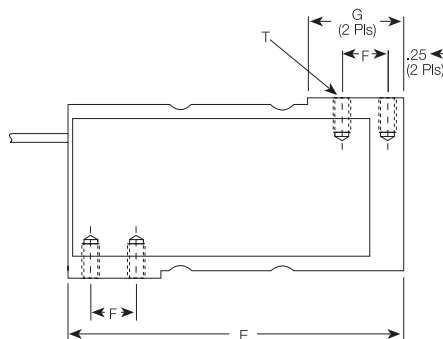
### INTERCHANGEABLE PRODUCTS

| Manufacturer    | Model  |
|-----------------|--------|
| NCI/Weightronix | Mark V |





## 60048SS Single Point, Stainless Steel, IP67



### RATED CAPACITY

### DIMENSIONS

|                       | T                    | B    | C    | D    | E     | F    | G    | H    |
|-----------------------|----------------------|------|------|------|-------|------|------|------|
| <b>lb/inches</b>      |                      |      |      |      |       |      |      |      |
| 25-200                | 1/4-28 UNF x .75 DP  | 1.25 | 1.00 | 3.00 | 6.00  | 1.00 | 1.50 | —    |
| 400-500               | 1/4-28 UNF x .75 DP  | 1.25 | 1.00 | 3.00 | 6.00  | 1.00 | 1.50 | .50  |
| 1000                  | 5/16-24 UNF x .75 DP | 1.75 | 1.50 | 3.00 | 6.00  | 1.00 | 1.50 | 1.00 |
| <b>kg/millimeters</b> |                      |      |      |      |       |      |      |      |
| 11.3-90.7             | 1/4-28 UNF x .75 DP  | 31.8 | 25.4 | 76.2 | 152.4 | 25.4 | 38.1 | —    |
| 181.4-226.8           | 1/4-28 UNF x .75 DP  | 31.8 | 25.4 | 76.2 | 152.4 | 25.4 | 38.1 | 12.7 |
| 453.6                 | 5/16-24 UNF x .75 DP | 44.5 | 38.1 | 76.2 | 152.4 | 25.4 | 38.1 | 25.4 |

### SPECIFICATIONS:

|                    |                                              |                         |                                                                                                                     |
|--------------------|----------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V nominal                             | Insulation Resistance:  | 5000 megohms                                                                                                        |
| Bridge Resistance: | 350 ohms, nominal                            | Deflection at Capacity: | 25 lb = .016"/.41mm, 50-100 lb = .013"/.33mm, 200 lb = .015"/.38mm, 400-500 lb = .023"/.58mm, 1000 lb = .016"/.41mm |
| Material/Finish:   | Stainless steel                              | Seal Type:              | Environmentally protected, potted, IP67                                                                             |
| Temperature:       | Compensated range 0°F to 150°F/-18°C to 65°C | Cable Length:           | 10'/3.1m                                                                                                            |
| Manufacturer       |                                              | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal                  |
| Model Number:      | 60048-XX-0108                                | Warranty:               | 2 years                                                                                                             |
| Safe Overload:     | 150% Full scale                              |                         |                                                                                                                     |
| Rated Excitation:  | 10V DC (15V maximum)                         |                         |                                                                                                                     |
| Nonlinearity:      | 0.03% Full scale                             |                         |                                                                                                                     |
| Hysteresis:        | 0.02% Full scale                             |                         |                                                                                                                     |

### 60048 SS ORDER INFORMATION

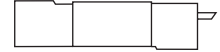
| Load Rating        | Part # | Suggested List Price |
|--------------------|--------|----------------------|
| 25 lb (11.3 kg)    | 17419  | \$455.00             |
| 50 lb (22.7 kg)    | 17421  | \$445.00             |
| 100 lb (45.4 kg)   | 17423  | \$445.00             |
| 200 lb (90.7 kg)   | 17425  | \$445.00             |
| 400 lb (181.4 kg)  | 17427  | \$495.00             |
| 500 lb (226.8 kg)  | 17429  | \$495.00             |
| 1000 lb (453.6 kg) | 17431  | \$565.00             |

|                            |       |         |
|----------------------------|-------|---------|
| Adapter Kit (400 & 500 lb) | 25562 | \$39.00 |
| Single Adapter (25-200 lb) | 17683 | \$15.00 |

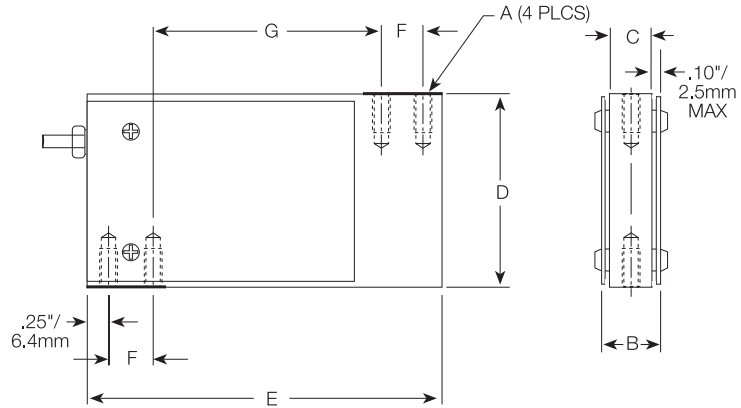
Adapter 17683 is needed to use the 60048 load cell in NCI model 3255 and 3256 bases, 25-200 lb (11.3-90.7 kg) capacities. Adapter kit 25562 is needed to convert 400-500 lb (181.4-226.8 kg) capacity cells to these bases.

### INTERCHANGEABLE PRODUCTS

| Manufacturer    | Model  |
|-----------------|--------|
| NCI/Weightronix | Mark V |



## 60051 Single Point Beam, Stainless Steel, IP67



### RATED CAPACITY

**lb/inches**  
10-25  
50-200

**A**  
1/4-28 UNF-2B  
1/4-28 UNF-2B

**B**  
.70  
.95

**C**  
.50  
.75

### DIMENSIONS

**D**  
2.50  
2.50

**E**  
4.63  
4.63

**F**  
.75  
.75

**G**  
2.62  
2.62

### kg/millimeters

4.5-11.3  
22.7-90.7

1/4-28 UNF-2B  
1/4-28 UNF-2B

17.8  
24.1

12.7  
19.1

63.5  
63.5

117.6  
117.6

19.1  
19.1

66.6  
66.6

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
0°F to 150°F/-18°C to 65°C

Manufacturer  
Model Number: 60051  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC (15V maximum)  
Nonlinearity: 0.03% Full scale

Hysteresis: 0.02% Full scale  
Insulation Resistance: 5000 megohms  
Deflection at Capacity: 10-15 lb = .014\"/>

Warranty: 2 years

### 60051 ORDER INFORMATION

| Load Rating            | Part #      | Suggested List Price |
|------------------------|-------------|----------------------|
| 10 lb (4.5 kg) .....   | 17432 ..... | \$335.00             |
| 15 lb (6.8 kg) .....   | 17433 ..... | \$335.00             |
| 25 lb (11.3 kg) .....  | 17434 ..... | \$335.00             |
| 50 lb (22.7 kg) .....  | 17435 ..... | \$420.00             |
| 100 lb (45.4 kg) ..... | 17436 ..... | \$420.00             |
| 200 lb (90.7 kg) ..... | 17437 ..... | \$420.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer | Model    |
|--------------|----------|
| NCI® .....   | Mark III |
| NCI® .....   | Mark IX  |

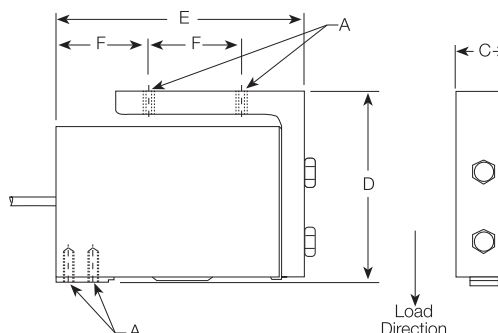
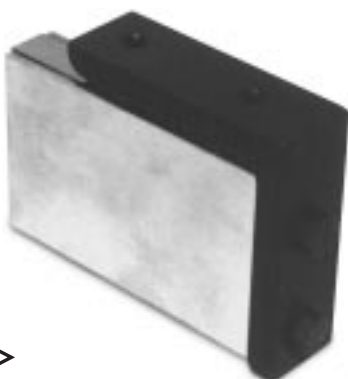
NCI is a registered trademark of Weigh-Tronix, Inc.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice



## 65024 Single Point, Alloy Steel, IP61



### RATED CAPACITY

**lb/inches**  
2-25

**A**  
1/4-28 UNF-2B

**C**  
1.00

### DIMENSIONS

**D**  
3.00

**E**  
4.12

**F**  
1.63

**kg/millimeters**  
0.9-11.3

1/4-28 UNF-2B

25.4

76.2

104.7

41.4

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: High-alloy steel, nickel plated  
Temperature: Compensated range  
0°F to 150°F/-18°C to 65°C

Manufacturer: 65024  
Model Number:  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC (15V maximum)  
Nonlinearity: 0.03% Full scale

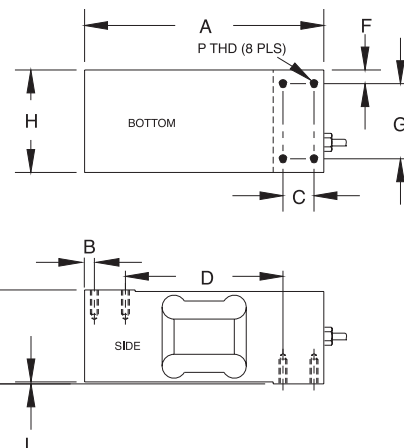
Hysteresis: 0.02% Full scale  
Insulation Resistance: 5000 megohms  
Deflection at Capacity: 2 lb = .023"/.58mm, 5-25 lb = .020"/.51mm  
Seal Type: Environmentally protected, IP61  
Cable Length: 10'/3.1m  
Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ..... + Signal  
White ..... - Signal  
Warranty: 2 years

### 65024 ORDER INFORMATION

| Load Rating           | Part #      | Suggested List Price |
|-----------------------|-------------|----------------------|
| 2 lb (0.9 kg) .....   | 17438 ..... | \$350.00             |
| 5 lb (2.3 kg) .....   | 17439 ..... | \$350.00             |
| 10 lb (4.5 kg) .....  | 17440 ..... | \$350.00             |
| 25 lb (11.3 kg) ..... | 17441 ..... | \$350.00             |



## 60060 Single Point, Aluminum, Clear Anodized, IP67



| RATED<br>CAPACITY     | DIMENSIONS |     |      |       |     |      |      |      |     |                     |
|-----------------------|------------|-----|------|-------|-----|------|------|------|-----|---------------------|
|                       | A          | B   | C    | D     | F   | G    | H    | K    | L   | P                   |
| <b>lb/inches</b>      |            |     |      |       |     |      |      |      |     |                     |
| 100-2000              | 7.50       | .31 | .98  | 4.92  | .30 | 2.36 | 2.95 | 2.95 | .06 | 5/16-18-2B X .75 DP |
| <b>kg/millimeters</b> |            |     |      |       |     |      |      |      |     |                     |
| 45.4-907.2            | 190.5      | 7.9 | 25.0 | 125.0 | 7.6 | 60.0 | 75.0 | 75.0 | 1.5 | 5/16-18-2B X 19 DP  |

### SPECIFICATIONS:

|                     |                                                 |                         |                                                                                                    |
|---------------------|-------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------|
| Full Scale Output:  | 2.0 mV/V                                        | Insulation Resistance:  | 5000 megohms                                                                                       |
| Bridge Resistance:  | 350 ohms, nominal                               | Deflection at Capacity: | 250 lb = .010"/.25mm, 500-2000 lb = .006"/.15mm                                                    |
| Material/Finish:    | Aluminum, clear anodized                        | Seal Type:              | Environmentally protected, IP67                                                                    |
| Temperature:        | Compensated range<br>0°F to 150°F/-18°C to 65°C | Cable Length:           | 10'/3.1m                                                                                           |
| Manufacturer        |                                                 | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Signal<br>White ..... - Signal |
| Model Number:       | 60060                                           | Warranty:               | 2 years                                                                                            |
| Safe Overload:      | 150% Full scale                                 |                         |                                                                                                    |
| Rated Excitation:   | 10V DC (20V maximum)                            |                         |                                                                                                    |
| Max. Platform Size: | 30" x 30"/762mm x 762mm                         |                         |                                                                                                    |
| Combined Error:     | 0.02% Full scale                                |                         |                                                                                                    |

### 60060 ORDER INFORMATION

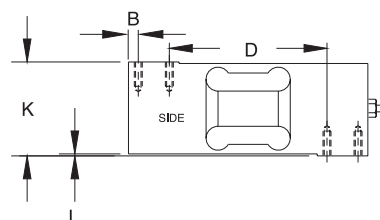
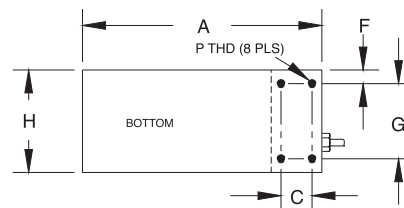
| Load Rating              | Part #      | Suggested List Price |
|--------------------------|-------------|----------------------|
| 100 lb (45.4 kg) .....   | 36479 ..... | \$350.00             |
| 250 lb (113.4 kg) .....  | 17582 ..... | \$350.00             |
| 500 lb (226.8 kg) .....  | 17583 ..... | \$350.00             |
| 750 lb (340.2 kg) .....  | 17584 ..... | \$350.00             |
| 1000 lb (453.6 kg) ..... | 17585 ..... | \$350.00             |
| 2000 lb (907.2 kg) ..... | 17586 ..... | \$350.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer        | Model                     |
|---------------------|---------------------------|
| Sensortronics ..... | (see page 298) 60060-0101 |



## 60060-0101 Single Point, Stainless Steel, IP67



| RATED<br>CAPACITY     | DIMENSIONS |     |      |       |     |      |      |      |     |                     |
|-----------------------|------------|-----|------|-------|-----|------|------|------|-----|---------------------|
|                       | A          | B   | C    | D     | F   | G    | H    | K    | L   | P                   |
| <b>lb/inches</b>      |            |     |      |       |     |      |      |      |     |                     |
| 250-2000              | 7.50       | .31 | .98  | 4.92  | .30 | 2.36 | 2.95 | 2.95 | .06 | 5/16-18-2B X .75 DP |
| <b>kg/millimeters</b> |            |     |      |       |     |      |      |      |     |                     |
| 113.4-907.2           | 190.5      | 7.9 | 25.0 | 125.0 | 7.6 | 60.0 | 75.0 | 75.0 | 1.5 | 5/16-18-2B X 19 DP  |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: Stainless steel  
 Temperature: Compensated range  
 0°F to 150°F/-18°C to 65°C  
 Manufacturer  
 Model Number: 60060-XX-0101  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V DC (20V maximum)  
 Max. Platform Size: 30" x 30"/762mm x 762mm  
 Combined Error: 0.02% Full scale

Insulation Resistance: 5000 megohms  
 Deflection at Capacity: 250 lb = .010"/.25mm, 500-2000 lb = .006"/.15mm  
 Seal Type: Environmentally protected, IP67  
 Cable Length: 10'/3.1m  
 Cable Color Code:  
 Red ..... + Excitation  
 Black ..... - Excitation  
 Green ..... + Signal  
 White ..... - Signal  
 Warranty: 2 years

### 60060-0101 ORDER INFORMATION

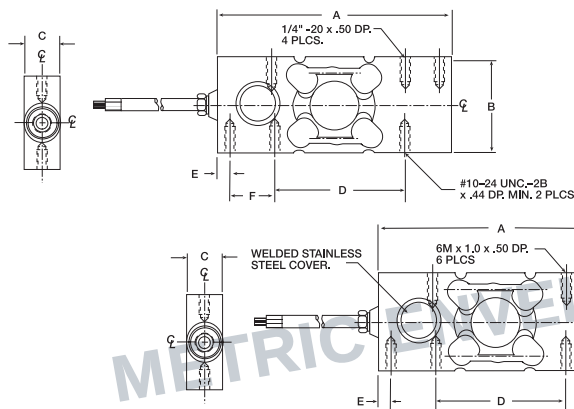
| Load<br>Rating           | Part #      | Suggested<br>List Price |
|--------------------------|-------------|-------------------------|
| 250 lb (113.4 kg) .....  | 36481 ..... | \$995.00                |
| 500 lb (226.8 kg) .....  | 36482 ..... | \$995.00                |
| 750 lb (340.2 kg) .....  | 36483 ..... | \$995.00                |
| 1000 lb (453.6 kg) ..... | 36484 ..... | \$995.00                |
| 2000 lb (907.2 kg) ..... | 36485 ..... | \$995.00                |

### INTERCHANGEABLE PRODUCTS

| Manufacturer        | Model                |
|---------------------|----------------------|
| Sensortronics ..... | (see page 297) 60060 |



## 60064 Single Point, Stainless Steel Welded Seal, IP67



| RATED CAPACITY        | DIMENSIONS |      |      |      |     |      |
|-----------------------|------------|------|------|------|-----|------|
|                       | A          | B    | C    | D    | E   | F    |
| <b>lb/inches</b>      |            |      |      |      |     |      |
| 13.2-50               | 5.00       | 1.99 | .72  | 3.00 | .25 | .75  |
| 100-132.3             | 5.00       | 1.99 | .94  | 3.00 | .25 | .75  |
| <b>kg/millimeters</b> |            |      |      |      |     |      |
| 6.0-22.7              | 127.0      | 50.4 | 18.3 | 76.2 | 6.4 | 19.1 |
| 45.4-60.0             | 127.0      | 50.4 | 23.9 | 76.2 | 6.4 | 19.1 |

### SPECIFICATIONS:

|                    |                                                 |
|--------------------|-------------------------------------------------|
| Full Scale Output: | 3.0 mV/V (lb)<br>2.0 mV/V (kg)                  |
| Bridge Resistance: | 400 ohms, nominal                               |
| Material/Finish:   | Stainless steel                                 |
| Temperature:       | Compensated range<br>0°F to 150°F/-18°C to 65°C |
| Manufacturer       |                                                 |
| Model Number:      | 60064                                           |
| Safe Overload:     | 150% Full scale                                 |
| Rated Excitation:  | 10V AC/DC (15V maximum)                         |

|                        |                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------|
| Combined Error:        | 0.03% Full scale                                                                                   |
| Non-repeatability:     | 0.01% Full scale                                                                                   |
| Insulation Resistance: | 5000 megohms                                                                                       |
| Seal Type:             | Welded seal, IP67                                                                                  |
| Cable Length:          | 10'/3m                                                                                             |
| Cable Color Code:      | Green ..... + Excitation<br>Black ..... - Excitation<br>White ..... + Signal<br>Red ..... - Signal |
| Warranty:              | 2 years                                                                                            |

### 60064 ORDER INFORMATION

| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| <b>Metric Capacities:</b> |             |                      |
| 6 kg (13.2 lb) .....      | 41128 ..... | \$615.00             |
| 15 kg (33.1 lb) .....     | 41129 ..... | \$615.00             |
| 60 kg (132.3 lb) .....    | 41130 ..... | \$780.00             |
| <b>Capacities:</b>        |             |                      |
| 25 lb (11.3 kg) .....     | 41125 ..... | \$615.00             |
| 50 lb (22.7 kg) .....     | 41126 ..... | \$615.00             |
| 100 lb (45.4 kg) .....    | 41127 ..... | \$780.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer              | Model               |
|---------------------------|---------------------|
| <b>Avoirdupois:</b>       |                     |
| Revere Transducers .....  | (see page 263) HPS  |
| <b>Metric Capacities:</b> |                     |
| Revere Transducers .....  | (see page 264) HPSM |

## S-Beams

620, Stainless Steel ..... Page 305



Ideally suited for harsh environments, lever conversions, hopper/tanks and vibratory feeders, general purpose weighing and force measurement applications. The stainless steel, welded cavity design provides protection against water and corrosive materials. Capacities from 500 to 5000 kg (1102.3 to 11,023.1 lb). Complete with 5m (16.4') of load cell cable.



Available upon request

## Single-Ended Beams

3411/3421, Alloy Steel ..... Page 306



This family of high quality single-ended beams is available in both alloy and stainless steel with NTEP approval. These products are ideal for low profile platforms, pallet truck weighers, tanks and silos. The durable stainless steel product offering is new, and provides a solid choice for more severe weighing applications. Both versions are available in capacities ranging from 1,000 to 10,000 lb. (453.6 to 4535.9 kg). A standard 10' (3m) cable is provided.



Available upon request

3510-lbs, Stainless Steel ..... Page 307



Low profile and all-welded sealing combined with high accuracy makes the 3510 ideally suited for low-profile platforms, weigh modules, tanks and silos. Hermetic sealing and polyurethane shielded cable enable it to function in harsh environments while maintaining its operating specifications. Capacities from 1000 to 4000 lb (453.6 to 1814.4 kg).



3510-kg, Stainless Steel ..... Page 308



The industry's only 6000 division OIML-approved single-ended beam. Low profile and all-welded sealing combined with high accuracy makes the 3510 ideally suited for low-profile platforms, weigh modules, tanks and silos. Hermetic sealing and polyurethane shielded cable enable it to function in harsh environments while maintaining its operating specifications. Capacities from 500 to 5000 kg (1102.3 to 11,023.1 lb).



305, Aluminum ..... Page 309



This unique new bending beam sensor is specially designed for hanging applications. An example of this product's use would be the weighing of small bags of fluid for the medical industry, but an infinite amount of other industrial applications are also possible. An inexpensive product to mount allows for this to be an economical solution to many problems that result in difficulties for standard load cells. Designed for long-term stability and low sensitivity to side-loading, this beam is available in capacities ranging from 5 to 30 kg (11.0 to 66.1 lb). Provided with a standard 1m (3.3') cable.

## Single-Ended Beams (Continued)

355, Stainless Steel ..... Page 310



Welded stainless steel construction, hermetic sealing and polyurethane shielded cable enables the 355 to function in harsh environments while maintaining its operating specifications. Suitable for low-profile platforms, weighing and packing machines, electromechanical conversions and general-purpose weighing applications. Capacities from 5 to 500 kg (11.0 to 1102.3 lb).



Available upon request

## Double-Ended Beams

4158, Alloy Steel ..... Page 311



The model 4158 is an alloy steel, environmentally sealed, double-ended beam product that is interchangeable with several other manufacturers' designs. This product features the high quality manufacturing techniques used by Tede, and is available in capacities ranging from 10,000 to 75,000 lb (4535.9 to 34,019.4 kg). Rugged and reliable, this family of products is NTEP certified from 20,000 to 75,000 lb. Each of these products is available with a 25' (7.6m) cable.



## Single Points

1022, Aluminum ..... Page 312



Very low-profile single-point load cell designed for direct mounting in low-cost platforms. Anodized aluminum construction is combined with two-beam machined technology to provide an affordable load cell option. Capacities from 3 to 35 kg (6.6 to 77.1 lb). Complete with 500mm (19.7") of load cell cable.



Available upon request

1010, Aluminum, Potted/Unpotted ..... Page 313



Off-center loading load cell. Designed for direct mounting of a weighing platform and simplifying construction of platform scales. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments. Capacities from 3 to 90 kg (6.6 to 196.4 lb).



1030, Aluminum ..... Page 314



This high-performance product is the standard in many of today's postal or price computing scales. This very low profile 3-beam designed single point is insensitive to off-center loads, which is a critical element in providing accurate results in the applications above. The product is also coated with a unique humidity-resistant protective coating to assure long-term stability in harsh environments and extreme temperatures. This model is available in capacities ranging from 3 to 15 kg (6.6 to 33.1 lb), and comes standard with a 1m (3.3') cable.



1042, Aluminum ..... Page 315



A lower-profile single-point for platform weighing. This model is constructed of aluminum, and is a two-beam design. This design offers high immunity to side forces, and is specially coated to provide humidity resistance. Capacities from 1 to 100 kg (2.2 to 220.5 lb). Complete with 3.1m (10') of load cell cable.



Available upon request



## Single Points (Continued)

1040, Aluminum, Potted/Unpotted ..... Page 316



Low-profile, off-center loading load cell. Designed for direct mounting of weighing platforms, hanging scales and other low-capacity beam applications. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments. Capacities from 5 to 100 kg (11.0 to 220.5 lb).



Available upon request

1130, Stainless Steel ..... Page 317



The Tedea 1130 is a stainless steel single point load cell that is designed for high performance in harsh environments. This product is primarily designed for platform weighing, but the economical cost makes it an appropriate selection for numerous applications. Capacities range from 7 to 100kg (15.4 to 220.5lb), and each unit is provided complete with 3.3' (1m) of load cell cable.



1140, Stainless Steel, Potted ..... Page 318



Low-profile, off-center loading load cell. Designed for direct mounting of weighing platforms, hanging scales and other low-capacity beam applications. Stainless steel construction and a unique humidity-resistant protective coating provide long-term stability, even in harsh environments. Load cells with potted cavities are available for improved performance in damp environments. Capacities from 15 to 150 kg (33.1 to 330.7 lb).



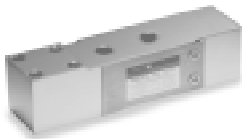
1240, Stainless Steel ..... Page 319



The 1240 is a low-profile single point that is compact in design, considering the 200 and 250 kg (440.9 and 551.2 lb) capacity range. This cell is ideally suited for applications in light industrial or people weighing where overall deck height is a concern. The 3-beam design makes the load cell less likely to be impacted by side forces and mounting imperfections. The stainless steel construction and humidity-resistant coating makes this load cell a preferred solution even in harsh environments with extreme temperatures. Each unit is provided with a standard 1 m (3.3') cable.



1241, Aluminum ..... Page 320



The 1241 combines a low profile, 3-beam off-center design for direct mounting to weighing platforms, hanging scales, and other eccentric loading applications. The load cell features four mounting holes instead of the traditional two, to provide additional loading stability. The 1241 is constructed of aluminum, and sealed using a unique humidity-resistant protective coating to assure durability and long life.



1260, Aluminum ..... Page 321



High-capacity, off-center loading aluminum single-point. This model is of the two-beam design, and is specially coated to assure durability in harsh environments. Capacities from 50 to 635 kg (110.2 to 1399.9 lb). Complete with 3.1m (10') of load cell cable.



Available upon request

## Single Points (Continued)

1250, Aluminum, Potted ..... Page 322



High-capacity off-center loading load cell accurately weighs loads from 50 to 635 kg (110.2 to 1399.9 lb). Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments.



Available upon request

1320, Aluminum ..... Page 323



Model 1320 is a high-capacity single-point load cell. Direct mounting of low-profile platforms simplifies the construction of floor scales, weigh bars, hanging scales and other types of weighing devices. Individually adjusted to eliminate corner errors. Capacities from 1000 to 2000 kg (2204.6 to 4409.2 lb).



Available upon request

1510, Stainless Steel ..... Featured Products Section Page 5, Page 324

240, Alloy Steel/Stainless Steel, Fluid Damped ..... Page 325



These load cells decrease weighing time and improve weighing accuracy in high-speed weighing applications. Since damping also protects the cells from shock and vibration, the load cell can endure harsh conditions, such as those encountered in repeated shock-loading applications. This also enables damped load cells to last longer than undamped load cells in any application. The cells are sealed, protecting them in washdown situations. Capacities from 2 to 50 kg (4.4 to 110.2 lb).



Available upon request

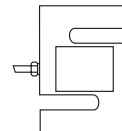
9010, Aluminum, Fluid Damped ..... Page 326



Model 9010 is a self-contained weighing module for use in repeated shock-loading applications, or where fast weighing and settling times are required. Each is custom manufactured per specific application requirements. Capacities from 3 to 50 kg (5.5 to 110.2 lb). See page 318 for Model 9010 Application Definition Form.



220, Stainless Steel ..... Featured Products Section Page 7, Page 327

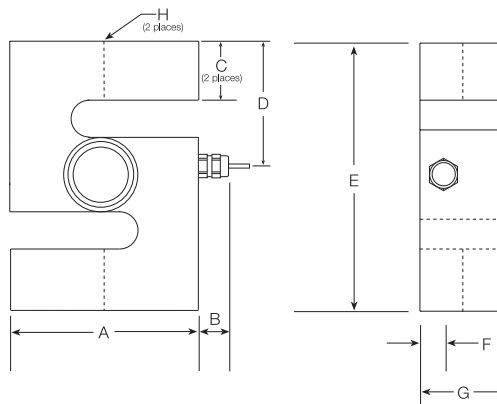


# 620 S-Beam, Stainless Steel

Hermetically Sealed, IP68, NTEP 1:3000 Single Cell, 1:5000 Multiple Cell, Class III



Available upon request



| RATED CAPACITY        | DIMENSIONS |      |      |      |       |      |      |            |
|-----------------------|------------|------|------|------|-------|------|------|------------|
|                       | A          | B    | C    | D    | E     | F    | G    | H          |
| <b>kg/millimeters</b> |            |      |      |      |       |      |      |            |
| 500-1000              | 73.2       | 18.8 | 19.8 | 47.0 | 94.0  | 10.9 | 33.5 | 1/2-20 UNF |
| 2000                  | 73.2       | 18.8 | 19.8 | 47.0 | 94.0  | 10.9 | 33.5 | 3/4-16 UNF |
| 5000                  | 104.6      | 18.8 | 27.2 | 62.7 | 125.5 | 14.5 | 47.2 | 1-12 UNF   |
| <b>lb/inches</b>      |            |      |      |      |       |      |      |            |
| 1102.3-2204.6         | 2.88       | .74  | .78  | 1.85 | 3.70  | .43  | 1.32 | 1/2-20 UNF |
| 4409.2                | 2.88       | .74  | .78  | 1.85 | 3.70  | .43  | 1.32 | 3/4-16 UNF |
| 11,023.1              | 4.12       | .74  | 1.07 | 2.47 | 4.94  | .57  | 1.86 | 1-12 UNF   |

## SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: Stainless steel  
 Temperature: Compensated range  
 14°F to 104°F/-10°C to 40°C  
 Manufacturer Model Number: 0620-XXXX001  
 Safe Overload: 150% Full scale  
 Rated Excitation: 10V AC/DC (15V maximum)

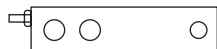
Total Error: 0.02% Full scale  
 Insulation Resistance: 1000 megohms  
 Seal Type: Hermetically sealed, IP68  
 Cable Length: 5m/16.4'  
 Cable Color Code:  
 Blue ..... + Excitation  
 Black ..... - Excitation  
 Green ... + Sense  
 Gray ..... - Sense  
 White .... + Signal  
 Red ..... - Signal  
 Warranty: 2 years

## 620 ORDER INFORMATION

| Load Rating                 | Part #      | Suggested List Price |
|-----------------------------|-------------|----------------------|
| 500 kg (1102.3 lb) .....    | 36389 ..... | \$650.00             |
| 1000 kg (2204.6 lb) .....   | 36390 ..... | \$650.00             |
| 2000 kg (4409.2 lb) .....   | 36391 ..... | \$650.00             |
| 5000 kg (11,023.1 lb) ..... | 36392 ..... | \$815.00             |

## WEIGH MODULE AVAILABLE

| Model                                  | Page # |
|----------------------------------------|--------|
| ITCM Isolated Tension Cell Mount ..... | 335    |

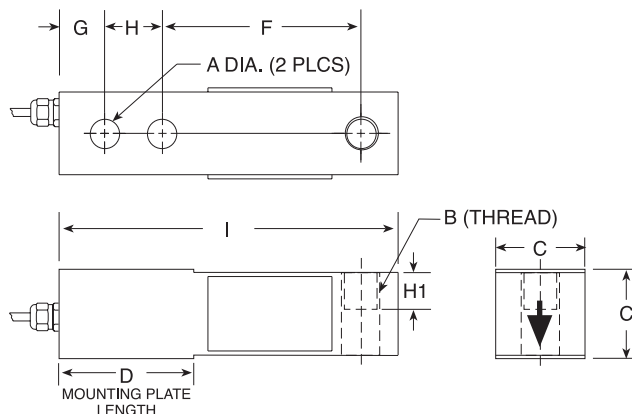


# 3411/3421 Single-Ended Beam, Alloy & Stainless Steel

## NTEP 1:3000 Single Cell, 1:5000, Multiple Cell, Class III, IP67



Available upon request



| RATED CAPACITY        | DIMENSIONS |               |      |      |      |      |      |      |       |
|-----------------------|------------|---------------|------|------|------|------|------|------|-------|
|                       | A          | B             | C    | D    | F    | G    | H    | H1   | I     |
| <b>lb/inches</b>      |            |               |      |      |      |      |      |      |       |
| 1000-4000             | .53        | 1/2-20 UNF    | 1.24 | 2.25 | 3.00 | .63  | 1.00 | .60  | 5.12  |
| 5000-10,000           | .78        | 3/4-16 UNF-2B | 1.49 | 3.00 | 3.75 | .75  | 1.50 | .75  | 6.75  |
| <b>kg/millimeters</b> |            |               |      |      |      |      |      |      |       |
| 453.6-1814.4          | 13.5       | 1/2-20 UNF    | 30.5 | 33.9 | 76.2 | 16.0 | 25.4 | 15.2 | 130.0 |
| 2268.0-4535.9         | 19.8       | 3/4-16 UNF-2B | 37.8 | 76.2 | 95.3 | 19.1 | 35.6 | 19.1 | 171.5 |

### SPECIFICATIONS:

|                    |                                                                                |                         |                                                                                                                                                 |
|--------------------|--------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                                                       | Insulation Resistance:  | 5000 megohms                                                                                                                                    |
| Bridge Resistance: | 350 ohms, nominal                                                              | Deflection at Capacity: | 1000-10,000 lb = .015"/.4mm                                                                                                                     |
| Material/Finish:   | High-alloy steel, nickel plated                                                | Seal Type:              | Environmentally protected, IP67                                                                                                                 |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C                               | Cable Length:           | 10'/3.1m                                                                                                                                        |
| Manufacturer       |                                                                                | Cable Color Code:       | Red ..... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown ..... - Sense<br>Green ..... + Signal<br>White ..... - Signal |
| Model Number:      | 3421-XXXX001 (Alloy, 5k-10k lbs)<br>3421-XXXX051 (Stainless Steel, 5k-10k lbs) | Warranty:               | 2 years                                                                                                                                         |
| Safe Overload:     | 150% Full scale                                                                |                         |                                                                                                                                                 |
| Rated Excitation:  | 10V AC/DC (15V maximum)                                                        |                         |                                                                                                                                                 |
| Total Error:       | 0.03% Full scale                                                               |                         |                                                                                                                                                 |

### 3411/3421 ORDER INFORMATION

| Load Rating            | Part # | Suggested List Price |
|------------------------|--------|----------------------|
| <b>Alloy Steel</b>     |        |                      |
| 1000 lb (453.6 kg)     | 29903  | \$295.00             |
| 2500 lb (1134.0 kg)    | 29904  | \$295.00             |
| 4000 lb (1814.4 kg)    | 29905  | \$295.00             |
| 5000 lb (2268.0 kg)    | 29906  | \$375.00             |
| 10,000 lb (4535.9 kg)  | 29907  | \$375.00             |
| <b>Stainless Steel</b> |        |                      |
| 1000 lb (453.6 kg)     | 47871  | \$350.00             |
| 2500 lb (1134.0 kg)    | 47872  | \$350.00             |
| 4000 lb (1814.4 kg)    | 47873  | \$350.00             |
| 5000 lb (2268.0 kg)    | 47874  | \$420.00             |
| 10,000 lb (4535.9 kg)  | 47875  | \$445.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer               | Model                   |
|----------------------------|-------------------------|
| Rice Lake Weighing Systems | (see page 102) RL30000  |
| Revere Transducers         | (see page 238) 5123     |
| Rice Lake Weighing Systems | (see page 104) RL39123* |
| Revere Transducers         | (see page 239) 9123*    |

\* Stainless

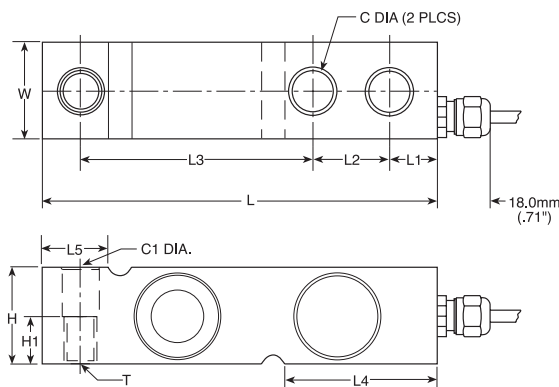
### WEIGH MODULE AVAILABLE

| Model         | Page # |
|---------------|--------|
| RL1800 Series | 40     |
| RL50210TA     | 30     |



# 3510-lbs Single-Ended Beam, Stainless Steel

## Hermetically Sealed, IP68, NTEP 1:3000 Single Cell, 1:5000 Multiple Cell, Class III



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |       |      |      |      |      |      |              | W    |
|-----------------------|------------|------|------|------|-------|------|------|------|------|------|--------------|------|
|                       | C          | C1   | H    | H1   | L     | L1   | L2   | L3   | L4   | L5   | T            |      |
| <b>lbs/inches</b>     |            |      |      |      |       |      |      |      |      |      |              |      |
| 1000-4000             | .53        | .53  | 1.26 | .63  | 5.12  | .62  | 1.00 | 3.00 | 1.97 | .91  | 1/2-20UNF-2B | 1.26 |
| <b>kg/millimeters</b> |            |      |      |      |       |      |      |      |      |      |              |      |
| 453.6-1814.4          | 13.5       | 13.5 | 32.0 | 16.0 | 130.0 | 15.8 | 25.4 | 76.2 | 50.0 | 23.1 | 1/2-20UNF-2B | 32.0 |

### SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                         |
| Bridge Resistance: | 350 ohms, nominal                                |
| Material/Finish:   | Stainless steel                                  |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Manufacturer       |                                                  |
| Model Number:      | 3510-XXXX101                                     |
| Safe Overload:     | 150% Full scale                                  |
| Rated Excitation:  | 10V AC/DC (15V maximum)                          |
| Total Error:       | 0.02% Applied load                               |

|                         |                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance:  | 1000 megohms                                                                                                                                   |
| Deflection at Capacity: | 1000-4000 lb ≤ .4mm/.015"                                                                                                                      |
| Seal Type:              | Hermetically sealed*, IP68                                                                                                                     |
| Cable Length:           | 5m/16.4'                                                                                                                                       |
| Cable Color Code:       | Blue ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Sense<br>Grey ..... - Sense<br>White ..... + Signal<br>Red ..... - Signal |
| Warranty:               | 2 years                                                                                                                                        |

### 3510-lbs ORDER INFORMATION

| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| 1000 lb (453.6 kg) .....  | 36458 ..... | \$485.00             |
| 2500 lb (1134.0 kg) ..... | 36460 ..... | \$485.00             |
| 4000 lb (1814.4 kg) ..... | 36461 ..... | \$485.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                  |
|----------------------------------|------------------------|
| Rice Lake Weighing Systems ..... | (see page 110) RL35082 |
| Sensortronics .....              | (see page 278) 65083S  |

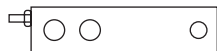
### WEIGH MODULE AVAILABLE

| Model        | Page # |
|--------------|--------|
| 1700HE ..... | 16     |

\*Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

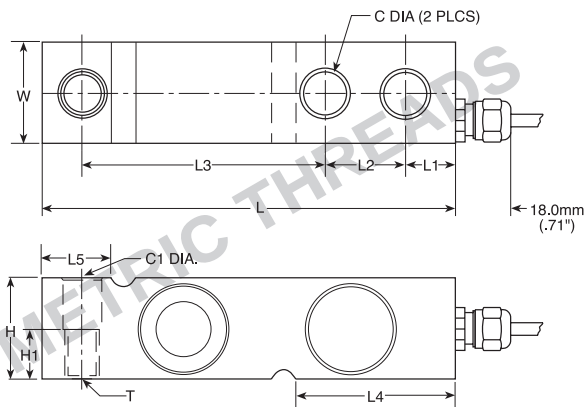
**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**

Prices & Specifications subject to change without notice



# 3510-kg Single-Ended Beam, Stainless Steel

## Hermetically Sealed, IP68, OIML C6/C3



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |       |      |      |      |      |      |                  |      |
|-----------------------|------------|------|------|------|-------|------|------|------|------|------|------------------|------|
|                       | C          | C1   | H    | H1   | L     | L1   | L2   | L3   | L4   | L5   | T                | W    |
| <b>kg/millimeters</b> |            |      |      |      |       |      |      |      |      |      |                  |      |
| 500-2000              | 13.5       | 13.5 | 32.0 | 16.0 | 130.0 | 15.8 | 25.4 | 76.2 | 50.5 | 23.5 | M12 x 1.75 Thrd. | 32.0 |
| 5000                  | 20.5       | 20.5 | 48.0 | —    | 171.5 | 19.0 | 38.1 | 95.3 | 70.0 | 37.0 | —                | 36.5 |
| <b>lb/inches</b>      |            |      |      |      |       |      |      |      |      |      |                  |      |
| 1102.3-4409.2         | .53        | .53  | 1.26 | .63  | 5.12  | .62  | 1.00 | 3.00 | 1.99 | .93  | M12 X 1.75 Thrd. | 1.26 |
| 11,023.1              | .80        | .80  | 1.89 | —    | 6.75  | .75  | 1.50 | 3.75 | 2.76 | 1.46 | —                | 1.44 |

### SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         |
| Bridge Resistance: | 350 ohms, nominal                                |
| Material/Finish:   | Stainless steel                                  |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Manufacturer       |                                                  |
| Model Number:      | 3510-XXXX101                                     |
| Safe Overload:     | 150% Full scale                                  |
| Rated Excitation:  | 10V AC/DC (15V maximum)                          |
| Total Error:       | 0.02% Applied load                               |

|                         |                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance:  | 1000 megohms                                                                                                                                   |
| Deflection at Capacity: | 500-5000 kg ≤ .4mm/.015"                                                                                                                       |
| Seal Type:              | Hermetically sealed*, IP68                                                                                                                     |
| Cable Length:           | 5m/16.4'                                                                                                                                       |
| Cable Color Code:       | Blue ..... + Excitation<br>Black ..... - Excitation<br>Green ..... + Sense<br>Grey ..... - Sense<br>White ..... + Signal<br>Red ..... - Signal |
| Warranty:               | 2 years                                                                                                                                        |

### 3510-kg ORDER INFORMATION

|    | Load<br>Rating        | Part # | Suggested<br>List Price |
|----|-----------------------|--------|-------------------------|
| C6 | 500 kg (1102.3 lb)    | 30161  | \$485.00                |
| C6 | 1000 kg (2204.6 lb)   | 30162  | \$485.00                |
| C3 | 2000 kg (4409.2 lb)   | 30163  | \$485.00                |
| C3 | 5000 kg (11,023.1 lb) | 30164  | \$555.00                |

### INTERCHANGEABLE PRODUCTS

| Manufacturer               | Model                |
|----------------------------|----------------------|
| Rice Lake Weighing Systems | (see page 114) RLHTO |

### WEIGH MODULE AVAILABLE

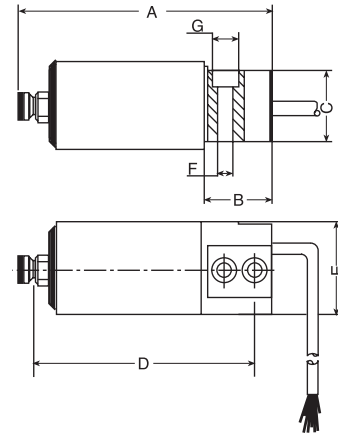
| Model  | Page # |
|--------|--------|
| 1700HE | 16     |

\*Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171



# 305 Single-Ended Beam, Aluminum with Stainless Steel Cover



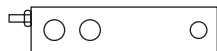
| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |     |     |
|-----------------------|------------|------|------|------|------|-----|-----|
|                       | A          | B    | C    | D    | E    | F   | G   |
| <b>kg/millimeters</b> |            |      |      |      |      |     |     |
| 5-30                  | 94.5       | 26.0 | 26.0 | 84.5 | 31.0 | 5.2 | 9.0 |
| <b>lb/inches</b>      |            |      |      |      |      |     |     |
| 11-66.2               | 3.72       | 1.02 | 1.02 | 3.32 | 1.22 | .20 | .35 |

## SPECIFICATIONS:

|                        |                                                  |                         |                                                                                                                                             |
|------------------------|--------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                         | Deflection at Capacity: | 5-30 kg = .015"/.4mm                                                                                                                        |
| Bridge Resistance:     | 350 ohms, nominal                                | Seal Type:              | Environmentally protected                                                                                                                   |
| Material/Finish:       | Aluminum, with stainless cover                   | Cable Length:           | 1m/3.3'                                                                                                                                     |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Coloring:         | Green ... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown ... - Sense<br>Red ..... + Signal<br>White ..... - Signal |
| Manufacturer           |                                                  | Warranty:               | 2 years                                                                                                                                     |
| Model Number:          | 0305-XXXX201                                     |                         |                                                                                                                                             |
| Safe Overload:         | 150% Full scale                                  |                         |                                                                                                                                             |
| Rated Excitation:      | 10V AC/DC (20V maximum)                          |                         |                                                                                                                                             |
| Total Error:           | 0.02% Full scale                                 |                         |                                                                                                                                             |
| Insulation Resistance: | 5000 ohms                                        |                         |                                                                                                                                             |

## 305 ORDER INFORMATION

| Load<br>Rating        | Part #      | Suggested<br>List Price |
|-----------------------|-------------|-------------------------|
| 5 kg (11 lb) .....    | 47887 ..... | \$250.00                |
| 7 kg (15.4 lb) .....  | 47888 ..... | \$250.00                |
| 10 kg (22.1 lb) ..... | 47889 ..... | \$250.00                |
| 15 kg (33.1 lb) ..... | 47890 ..... | \$250.00                |
| 20 kg (44.1 lb) ..... | 47891 ..... | \$250.00                |
| 30 kg (66.2 lb) ..... | 47892 ..... | \$250.00                |

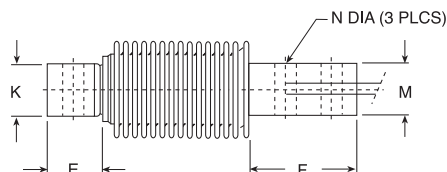
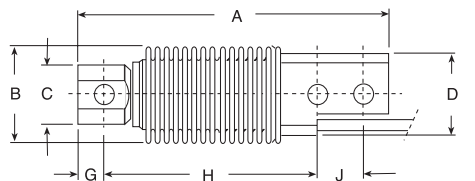


# 355 Single-Ended Beam, Stainless Steel

## Hermetically Sealed, IP68, NTEP 1:4000 Single Cell, 1:5000, Multiple Cell, Class III



Available upon request



| RATED<br>CAPACITY | DIMENSIONS |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | A          | B    | C    | D    | E    | F    | G    | H    | J    | K    | M    | N    |
| kg/millimeters    |            |      |      |      |      |      |      |      |      |      |      |      |
| 5-500             | 120.0      | 40.0 | 23.0 | 32.0 | 20.5 | 45.5 | 10.0 | 82.0 | 18.0 | 20.0 | 20.0 | 8.20 |
| lb/inches         |            |      |      |      |      |      |      |      |      |      |      |      |
| 11.0-1102.3       | 4.72       | 1.61 | .91  | 1.26 | .81  | 1.79 | .39  | 3.23 | .71  | .79  | .79  | .32  |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
14°F to 104°F/-10°C to 40° C  
Manufacturer  
Model Number: 0355-XXXX001  
Safe Overload: 150% Full scale  
Rated Excitation: 10V AC/DC (15V maximum)  
Total Error: 0.02% Full scale

Insulation Resistance: 1000 megohms  
Deflection at Capacity: 5-250 kg ≤ .4mm/.015"  
Seal Type: Hermetically sealed, IP68  
Cable Length: 10'/3m  
Cable Color Code:  
Blue ..... + Excitation  
Black ..... - Excitation  
White ..... + Signal  
Red ..... - Signal  
Green ..... + Sense  
Gray ..... - Sense  
Warranty: 2 years

### 355 ORDER INFORMATION

| Load Rating              | Part #      | Suggested List Price |
|--------------------------|-------------|----------------------|
| 5 kg (11.0 lb) .....     | 30165 ..... | \$525.00             |
| 10 kg (22.0 lb) .....    | 30166 ..... | \$525.00             |
| 20 kg (44.1 lb) .....    | 30167 ..... | \$525.00             |
| 50 kg (110.2 lb) .....   | 30168 ..... | \$525.00             |
| 100 kg (220.5 lb) .....  | 30169 ..... | \$525.00             |
| 200 kg (440.9 lb) .....  | 30170 ..... | \$525.00             |
| 250 kg (551.2 lb) .....  | 30171 ..... | \$525.00             |
| 500 kg (1102.3 lb) ..... | 36463 ..... | \$525.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                |
|----------------------------------|----------------------|
| Rice Lake Weighing Systems ..... | (see page 123) RLHBB |
| Revere Transducers .....         | (see page 244) SHB   |

### WEIGH MODULE AVAILABLE

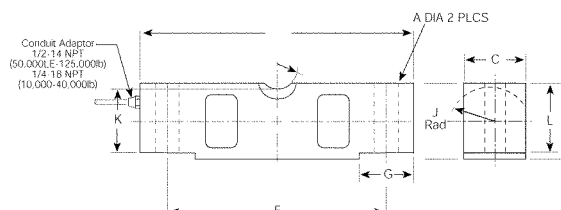
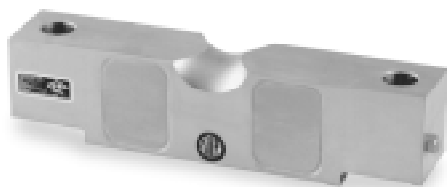
| Model        | Page # |
|--------------|--------|
| 1700HE ..... | 16     |





# 4158 Double-Ended Beam, Alloy Steel

## NTEP 1:10,000 Class IIIL Multiple Cell



| RATED CAPACITY        | DIMENSIONS |      |      |       |       |      |      |      |      |      |
|-----------------------|------------|------|------|-------|-------|------|------|------|------|------|
|                       | A          | C    | D    | E     | F     | G    | H    | J    | K    | L    |
| <b>lb/inches</b>      |            |      |      |       |       |      |      |      |      |      |
| 20,000-25,000         | .68        | 1.69 | 1.94 | 7.75  | 6.50  | 1.38 | .75  | .90  | 1.63 | 1.70 |
| 40,000                | .81        | 1.94 | 2.44 | 10.25 | 8.50  | 1.93 | 1.00 | 1.12 | 2.00 | 2.10 |
| 50,000LE-75,000       | 1.06       | 2.44 | 2.94 | 10.25 | 8.50  | 1.93 | 1.00 | 1.37 | 2.54 | 2.65 |
| 100,000-125,000       | 1.62       | 2.90 | 3.86 | 15.25 | 12.75 | 3.13 | 1.50 | 1.80 | 3.30 | 3.43 |
| <b>kg/millimeters</b> |            |      |      |       |       |      |      |      |      |      |
| 9071.9-11,339.8       | 17.3       | 42.9 | 49.3 | 196.9 | 165.1 | 35.1 | 19.1 | 22.9 | 41.4 | 43.2 |
| 18,143.7              | 20.6       | 49.3 | 62.0 | 260.4 | 215.9 | 49.0 | 25.4 | 28.5 | 50.8 | 53.3 |
| 22,679.6LE-34,019.4   | 26.9       | 62.0 | 74.7 | 260.4 | 215.9 | 49.0 | 25.4 | 34.8 | 64.5 | 67.3 |
| 45,359.4-56,699.1     | 41.2       | 737  | 980  | 387.4 | 323.9 | 79.5 | 38.1 | 45.7 | 83.8 | 87.1 |

### SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 3.0 mV/V                                         |
| Bridge Resistance: | 700 ohms, nominal                                |
| Material/Finish:   | High-alloy steel, nickel plated                  |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Manufacturer       |                                                  |
| Model Number:      | 4158-XXXX001                                     |
| Safe Overload:     | 150% Full scale                                  |
| Rated Excitation:  | 10V DC (25V maximum)                             |
| Nonlinearity:      | 0.03% Full scale                                 |

|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| Hysteresis:            | 0.02% Full scale                                                                                 |
| Insulation Resistance: | 5000 megohms                                                                                     |
| Seal Type:             | Environmentally protected                                                                        |
| Cable Length:          | 25'/7.6m                                                                                         |
| Cable Coloring:        | Red ..... + Excitation<br>Black ..... - Excitation<br>Green ... + Signal<br>White ..... - Signal |
| Warranty:              | 2 years                                                                                          |

### 4158 ORDER INFORMATION

| Load Rating                   | Part #      | Suggested List Price |
|-------------------------------|-------------|----------------------|
| <b>NTEP 1:10,000</b>          |             |                      |
| 20,000 lb (9071.9 kg) .....   | 47862 ..... | \$635.00             |
| 25,000 lb (11,339.8 kg) ..... | 47863 ..... | \$635.00             |
| 40,000 lb (18,143.7 kg) ..... | 47864 ..... | \$760.00             |
| 50,000 lb (22,679.6 kg) ..... | 47865 ..... | \$835.00             |
| 60,000 lb (27,215.5 kg) ..... | 47866 ..... | \$835.00             |
| 75,000 lb (34,019.4 kg) ..... | 47867 ..... | \$835.00             |
| <b>Non-NTEP</b>               |             |                      |
| 10,000 lb (4536.0 kg) .....   | 47861 ..... | \$635.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                  |
|----------------------------------|------------------------|
| Rice Lake Weighing Systems ..... | (see page 137) RL75058 |
| Sensortronics .....              | (see page 286) 65058   |
| Celtron .....                    | (see page 183) CLB     |

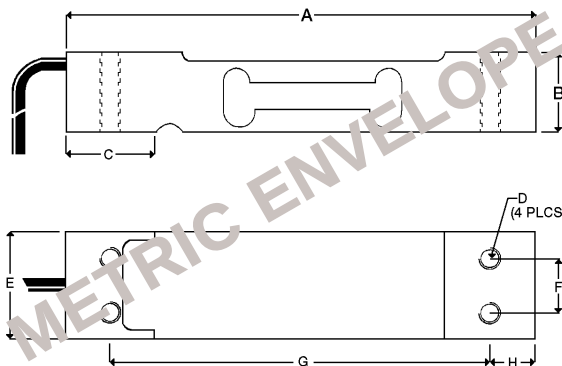


# 1022 Single Point, Aluminum

## NTEP 1:5000 Class III Single Cell



Available upon request



### RATED CAPACITY

kg/millimeters

3-7  
10-30  
35

A

B

C

### DIMENSIONS

D

E

F

G

H

lb/inches

6.6-15.4  
22.0-66.2  
77.2

5.12

.87

.99

M6 x 1.0

1.00

.59

4.17

.47

5.12

.87

.99

M6 x 1.0

1.18

.59

4.17

.47

5.12

.87

.99

M6 x 1.0

1.57

.59

4.17

.47

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: Anodized aluminum  
Temperature: Compensated temperature range  
14°F to 104°F/-10°C to 40°C  
Manufacturer  
Model Number: 1022-XXXX001  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC (15V maximum)  
Total Error: 0.02% Full scale

Insulation Resistance: 2000 megohms  
Seal Type: Environmentally protected  
Cable Length: 0.5m/1.5'  
Cable Color Code: Green .... + Excitation  
Black ..... - Excitation  
Blue ..... + Sense  
Brown ... - Sense  
Red ..... + Signal  
White .... - Signal  
Warranty: 2 years

### 1022 ORDER INFORMATION

| Load Rating           | Part #      | Suggested List Price |
|-----------------------|-------------|----------------------|
| 3 kg (6.6 lb) .....   | 41135 ..... | \$165.00             |
| 5 kg (11.0 lb) .....  | 41136 ..... | \$165.00             |
| 7 kg (15.4 lb) .....  | 41137 ..... | \$165.00             |
| 10 kg (22.0 lb) ..... | 41138 ..... | \$165.00             |
| 15 kg (33.1 lb) ..... | 41139 ..... | \$165.00             |
| 20 kg (44.1 lb) ..... | 41140 ..... | \$165.00             |
| 30 kg (66.1 lb) ..... | 41141 ..... | \$165.00             |
| 35 kg (77.2 lb) ..... | 41142 ..... | \$165.00             |

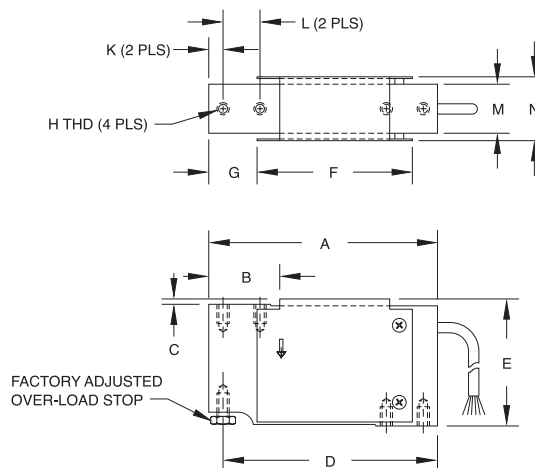
### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                    |
|----------------------------------|--------------------------|
| Rice Lake Weighing Systems ..... | (see page 144) RL1521A   |
| Celtron .....                    | (see page 186) LPS       |
| BLH .....                        | C2G1                     |
| Fairbanks .....                  | 4900 Series Checkweigher |
| NMB .....                        | C2G1                     |



# 1010 Potted & Unpotted Single Point, Aluminum

## NTEP 1:5000 Class III Single Cell



| RATED CAPACITY        | DIMENSIONS |      |     |       |      |      |      |                     |     |       |      |      |
|-----------------------|------------|------|-----|-------|------|------|------|---------------------|-----|-------|------|------|
|                       | A          | B    | C   | D     | E    | F    | G    | H                   | K   | L     | M    | N    |
| <b>kg/millimeters</b> |            |      |     |       |      |      |      |                     |     |       |      |      |
| 3-90                  | 118.0      | 34.0 | 3.0 | 110.5 | 66.0 | 80.0 | 25.0 | 1/4-20 UNC X 13 DP  | 7.5 | 19.05 | 25.4 | 33.5 |
| <b>lb/inches</b>      |            |      |     |       |      |      |      |                     |     |       |      |      |
| 6.6-198.4             | 4.65       | 1.34 | .12 | 4.35  | 2.60 | 3.15 | .98  | 1/4-20 UNC X 0.5 DP | .30 | .75   | 1.00 | 1.32 |

### SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
 Bridge Resistance: 350 ohms, nominal  
 Material/Finish: Aluminum  
 Temperature: Compensated range 14°F to 104°F/-10°C to 40°C  
 Manufacturer Model Number: 1010-XXXX001 (NTEP)  
 1010-XXXX201 (Non-NTEP)  
 Safe Overload: 200% at center of loading point, full scale  
 Rated Excitation: 10V AC/DC (20V maximum)  
 Total Error: 0.02% Full scale

Insulation Resistance: 5000 megohms  
 Deflection at Capacity: 3-90 kg ≤ .4 mm/.015"  
 Seal Type: Potted & Unpotted Models  
 Cable Length: Potted cells: 10'/3.1 m  
 Unpotted cells: 10'/3.1 m  
 Cable Color Code: Green .... + Excitation  
 Black .... - Excitation  
 Blue .... + Sense  
 Brown ... - Sense  
 Red ..... + Signal  
 White .... - Signal  
 Warranty: 2 years

### 1010 POTTED ORDER INFORMATION

| Load Rating                | Part #      | Suggested List Price |
|----------------------------|-------------|----------------------|
| <b>Potted, NTEP 1:5000</b> |             |                      |
| 10 kg (22.1 lb) .....      | 33727 ..... | \$195.00             |
| 15 kg (33.1 lb) .....      | 33728 ..... | \$195.00             |
| 20 kg (44.1 lb) .....      | 33729 ..... | \$195.00             |
| 30 kg (66.1 lb) .....      | 33730 ..... | \$195.00             |
| 50 kg (110.2 lb) .....     | 33731 ..... | \$195.00             |

### Potted, Non-NTEP

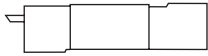
|                        |             |          |
|------------------------|-------------|----------|
| 3 kg (6.6 lb) .....    | 17481 ..... | \$195.00 |
| 5 kg (11.0 lb) .....   | 17462 ..... | \$195.00 |
| 7 kg (15.4 lb) .....   | 17463 ..... | \$195.00 |
| 10 kg (22.1 lb) .....  | 17464 ..... | \$195.00 |
| 15 kg (33.1 lb) .....  | 17465 ..... | \$195.00 |
| 20 kg (44.1 lb) .....  | 17482 ..... | \$195.00 |
| 30 kg (66.1 lb) .....  | 17475 ..... | \$195.00 |
| 50 kg (110.2 lb) ..... | 17476 ..... | \$195.00 |
| 90 kg (198.4 lb) ..... | 17471 ..... | \$195.00 |

### 1010 UNPOTTED ORDER INFORMATION

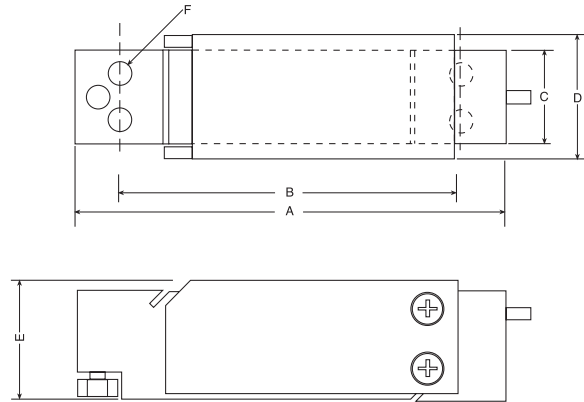
| Load Rating                  | Part #      | Suggested List Price |
|------------------------------|-------------|----------------------|
| <b>Unpotted, NTEP 1:5000</b> |             |                      |
| 5 kg (11.0 lb) .....         | 33732 ..... | \$180.00             |
| 7 kg (15.4 lb) .....         | 33733 ..... | \$180.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 143) RL1010 |



# 1030 Single Point, Aluminum OIML C2.5



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |                      |
|-----------------------|------------|------|------|------|------|----------------------|
|                       | A          | B    | C    | D    | E    | F                    |
| <b>kg/millimeters</b> |            |      |      |      |      |                      |
| 3-15                  | 117.9      | 93.7 | 25.4 | 33.3 | 32.5 | 1/4-20 UNC X 10 DP   |
| <b>lb/inches</b>      |            |      |      |      |      |                      |
| 6.6-33.1              | 4.64       | 3.69 | 1.00 | 1.31 | 1.28 | 1/4-20 UNC X 0.39 DP |

## SPECIFICATIONS:

Full Scale Output: 2.0 mV/V  
Bridge Resistance: 350 ohms, nominal  
Material/Finish: Anodized aluminum  
Temperature: Compensated range  
14°F to 104°F/-10°C to 40°C  
Manufacturer  
Model Number: 1030-XXXX101  
Safe Overload: 150% Full scale  
Rated Excitation: 10V DC/AC (20V maximum)  
Total Error: 0.02%

Insulation Resistance: 5000 megohms  
Deflection at Capacity: 3-15 kg = .015"/.4mm  
Seal Type: Environmentally protected  
Cable Length: 1m/3.3'  
Cable Color Code:  
Green .... + Excitation  
Black ..... - Excitation  
Blue ..... + Sense  
Brown ... - Sense  
Red ..... + Signal  
White .... - Signal  
Warranty: 1 year

## 1030 ORDER INFORMATION

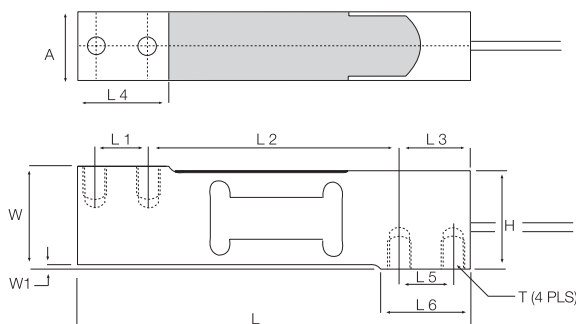
| Load Rating           | Part #      | Suggested List Price |
|-----------------------|-------------|----------------------|
| 3 kg (6.6 lb) .....   | 47882 ..... | \$265.00             |
| 5 kg (11.0 lb) .....  | 47883 ..... | \$265.00             |
| 7 kg (15.4 lb) .....  | 47884 ..... | \$265.00             |
| 10 kg (22.1 lb) ..... | 47885 ..... | \$265.00             |
| 15 kg (33.1 lb) ..... | 47886 ..... | \$265.00             |



# 1042 Single Point, Aluminum NTEP 1:5000 Class III Single Cell



Available upon request



| RATED<br>CAPACITY | DIMENSIONS |       |       |      |       |      |       |      |       |       |      |            |
|-------------------|------------|-------|-------|------|-------|------|-------|------|-------|-------|------|------------|
|                   | A          | H     | L     | L1   | L2    | L3   | L4    | L5   | L6    | W     | W1   | T          |
| kg/millimeters    |            |       |       |      |       |      |       |      |       |       |      |            |
| 1-30              | 20.0       | 37.9  | 150.0 | 19.0 | 100.0 | 25.0 | 34.0  | 19.0 | 34.0  | 40.0  | 1.0  | 1/4-20 UNF |
| 50-100            | 25.2       | 37.9  | 150.0 | 19.0 | 100.0 | 25.0 | 34.0  | 19.0 | 34.0  | 40.0  | 1.0  | 1/4-20 UNF |
| lb/inches         |            |       |       |      |       |      |       |      |       |       |      |            |
| 2.2-66.1          | .787       | 1.496 | 5.91  | .75  | 3.937 | .984 | 1.339 | .75  | 1.339 | 1.575 | .040 | 1/4-20 UNF |
| 110.2-220.5       | .992       | 1.496 | 5.91  | .75  | 3.937 | .984 | 1.339 | .75  | 1.339 | 1.575 | .040 | 1/4-20 UNF |

## SPECIFICATIONS:

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                                     |
| Bridge Resistance: | 350 ohms, nominal                                            |
| Material/Finish:   | Aluminum                                                     |
| Temperature:       | Compensated temperature range<br>14°F to 104°F/-10°C to 40°C |
| Manufacturer       |                                                              |
| Model Number:      | 1042-XXXX001                                                 |
| Safe Overload:     | 150% Full scale                                              |
| Rated Excitation:  | 10V DC (15V maximum)                                         |
| Total Error:       | 0.02% Full scale                                             |

|                         |                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Deflection at Capacity: | 1-100kg ≤ .4mm/.015"                                                                                                                            |
| Insulation Resistance:  | 5000 megohms                                                                                                                                    |
| Seal Type:              | Environmentally protected                                                                                                                       |
| Cable Length:           | 3.1m/10'                                                                                                                                        |
| Cable Color Code:       | Green ..... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown ..... - Sense<br>Red ..... + Signal<br>White ..... - Signal |
| Warranty:               | 2 years                                                                                                                                         |

## 1042 ORDER INFORMATION

| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 1 kg (2.2 lb) .....     | 40680 ..... | \$180.00             |
| 3 kg (6.6 lb) .....     | 40681 ..... | \$180.00             |
| 5 kg (11.0 lb) .....    | 40682 ..... | \$180.00             |
| 10 kg (22.0 lb) .....   | 40683 ..... | \$180.00             |
| 15 kg (33.1 lb) .....   | 40684 ..... | \$180.00             |
| 20 kg (44.1 lb) .....   | 40685 ..... | \$180.00             |
| 30 kg (66.1 lb) .....   | 40686 ..... | \$180.00             |
| 50 kg (110.2 lb) .....  | 40687 ..... | \$180.00             |
| 75 kg (165.4 lb) .....  | 40688 ..... | \$180.00             |
| 100 kg (220.5 lb) ..... | 40689 ..... | \$180.00             |

## INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 148) RL1042 |
| Revere .....                     | (see page 260) 642    |
| HBM .....                        | (see page 224) SP4    |

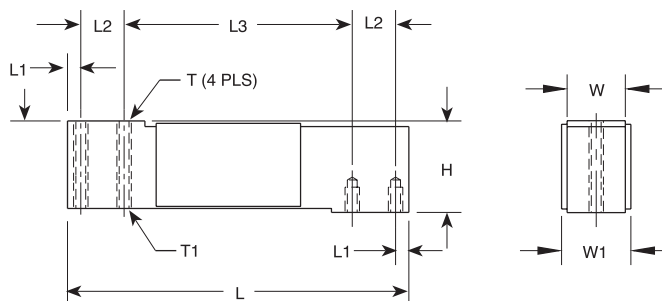


# 1040 Potted & Unpotted Single Point, Aluminum

## NTEP 1:5000 Class III Single Cell



Available upon request



| RATED<br>CAPACITY | H    | L     | L1   | L2    | L3    | DIMENSIONS           |                      | W    | W1   |
|-------------------|------|-------|------|-------|-------|----------------------|----------------------|------|------|
|                   |      |       |      |       |       | T                    | T1                   |      |      |
| kg/millimeters    |      |       |      |       |       |                      |                      |      |      |
| 5-100             | 40.0 | 150.0 | 5.95 | 19.05 | 100.0 | 1/4-20 UNC X 10 DP   | 1/4-28 UNF X 10 DP   | 25.4 | 29.4 |
| lb/inches         |      |       |      |       |       |                      |                      |      |      |
| 11.0-220.5        | 1.57 | 5.91  | .23  | .75   | 3.94  | 1/4-20 UNC X 0.39 DP | 1/4-28 UNF X 0.39 DP | 1.00 | 1.16 |

### SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         |
| Bridge Resistance: | 350 ohms, nominal                                |
| Material/Finish:   | Anodized aluminum                                |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Manufacturer       |                                                  |
| Model Number:      | 1040-XXXX001 (NTEP)<br>1040-XXXX201 (Non-NTEP)   |
| Safe Overload:     | 200% at center loading point, full scale         |
| Rated Excitation:  | 10V AC/DC (15V maximum)                          |
| Total Error:       | 0.02% Full scale                                 |

|                         |                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance:  | 5000 megohms                                                                                                                               |
| Deflection at Capacity: | 5-100 kg ≤ .4mm/.015"                                                                                                                      |
| Seal Type:              | Potted & Unpotted Models                                                                                                                   |
| Cable Length:           | Potted cells: 10'/3.1m<br>Unpotted cells: 10'/3.1m                                                                                         |
| Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>Blue ..... + Sense<br>Brown ... - Sense<br>Red ..... + Signal<br>White .... - Signal |
| Warranty:               | 2 years                                                                                                                                    |

### 1040 POTTED ORDER INFORMATION

| Load Rating                | Part #      | Suggested List Price |
|----------------------------|-------------|----------------------|
| <b>Potted, NTEP 1:5000</b> |             |                      |
| 10 kg (22.1 lb) .....      | 33719 ..... | \$195.00             |
| 15 kg (33.1 lb) .....      | 33720 ..... | \$195.00             |
| 20 kg (44.1 lb) .....      | 33721 ..... | \$195.00             |
| 30 kg (66.1 lb) .....      | 33722 ..... | \$195.00             |
| 50 kg (110.2 lb) .....     | 33723 ..... | \$195.00             |
| 100 kg (220.5 lb) .....    | 33724 ..... | \$195.00             |

|                         |             |          |
|-------------------------|-------------|----------|
| <b>Potted, Non-NTEP</b> |             |          |
| 5 kg (11.0 lb) .....    | 17449 ..... | \$190.00 |
| 7 kg (15.4 lb) .....    | 17483 ..... | \$190.00 |

### 1040 UNPOTTED ORDER INFORMATION

| Load Rating                  | Part #      | Suggested List Price |
|------------------------------|-------------|----------------------|
| <b>Unpotted, NTEP 1:5000</b> |             |                      |
| 5 kg (11.0 lb) .....         | 33725 ..... | \$205.00             |
| 7 kg (15.4 lb) .....         | 33726 ..... | \$205.00             |

### INTERCHANGEABLE PRODUCTS

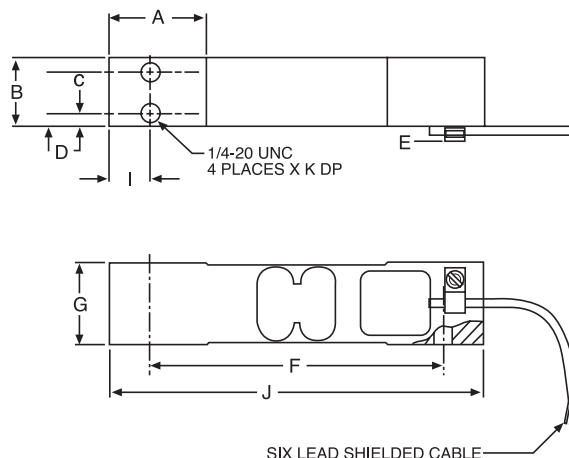
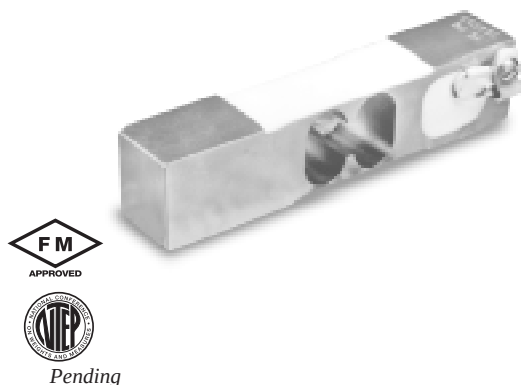
| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 149) RL1040 |
| Celtron .....                    | (see page 187) LOC    |
| Revere Transducers .....         | (see page 260) 642    |
| HBM .....                        | (see page 224) SP4    |

Matched-output cells are available; consult factory.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171



# 1130 Single Point, Stainless Steel



| RATED<br>CAPACITY     | DIMENSIONS |      |      |     |     |       |      |      |      |     |
|-----------------------|------------|------|------|-----|-----|-------|------|------|------|-----|
|                       | A          | B    | C    | D   | E   | F     | G    | I    | J    | H   |
| <b>kg/millimeters</b> |            |      |      |     |     |       |      |      |      |     |
| 7.5-100               | 35.0       | 25.0 | 15.0 | 5.0 | 6.5 | 10.6  | 30   | 14.5 | 135  | 10  |
| <b>lb/inches</b>      |            |      |      |     |     |       |      |      |      |     |
| 16.6-220.5            | 1.378      | .98  | .591 | .19 | .26 | 4.173 | 1.18 | .571 | 5.31 | .39 |

## SPECIFICATIONS:

|                         |                                                  |                   |                                                                                                                                             |
|-------------------------|--------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:      | 2.0 mV/V                                         | Seal Type:        | Environmentally protected                                                                                                                   |
| Bridge Resistance:      | 350 ohms, nominal                                | Cable Length:     | 3.3'/1m<br>3.3'/1m                                                                                                                          |
| Material/Finish:        | Stainless Steel                                  | Cable Color Code: | Green .... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown ... - Sense<br>Red ..... + Signal<br>White .... - Signal |
| Temperature:            | Compensated range<br>14°F to 104°F/-10°C to 40°C | Warranty:         | 2 years                                                                                                                                     |
| Safe Overload:          | 200% full scale, at center loading point         |                   |                                                                                                                                             |
| Rated Excitation:       | 10V AC/DC (15V maximum)                          |                   |                                                                                                                                             |
| Total Error:            | 0.02% Full scale                                 |                   |                                                                                                                                             |
| Insulation Resistance:  | 5000 megohms                                     |                   |                                                                                                                                             |
| Deflection at Capacity: | 7.5-100 kg ≤ .4mm/.015"                          |                   |                                                                                                                                             |

## 1130 ORDER INFORMATION

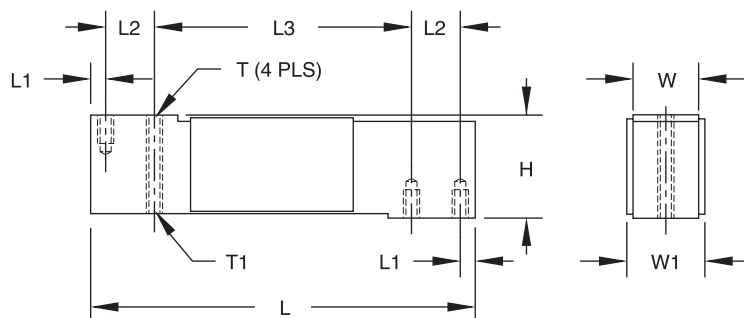
| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| 7.5 kg (16.6 lb) .....  | 53485 ..... | \$255.00             |
| 15 kg (33.1 lb) .....   | 53486 ..... | \$255.00             |
| 30 kg (66.1 lb) .....   | 53487 ..... | \$255.00             |
| 50 kg (110.2 lb) .....  | 53488 ..... | \$255.00             |
| 100 kg (220.0 lb) ..... | 53490 ..... | \$255.00             |

Matched-output cells are available; consult factory.

**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**



# 1140 Potted Single Point, Stainless Steel



| RATED<br>CAPACITY     | DIMENSIONS |       |      |      |       |                      |                      |      |      |
|-----------------------|------------|-------|------|------|-------|----------------------|----------------------|------|------|
|                       | H          | L     | L1   | L2   | L3    | T                    | T1                   | W    | W1   |
| <b>kg/millimeters</b> |            |       |      |      |       |                      |                      |      |      |
| 15-150                | 40.0       | 150.0 | 5.95 | 19.1 | 100.0 | 1/4-20 UNC X 10 DP   | 1/4-28 UNF X 10 DP   | 25.4 | 29.4 |
| <b>lb/inches</b>      |            |       |      |      |       |                      |                      |      |      |
| 33.1-330.7            | 1.57       | 5.91  | .23  | .75  | 3.94  | 1/4-20 UNC X 0.39 DP | 1/4-28 UNF X 0.39 DP | 1.00 | 1.16 |

## SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         |
| Bridge Resistance: | 350 ohms, nominal                                |
| Material/Finish:   | Stainless steel                                  |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Manufacturer       |                                                  |
| Model Number:      | 1140-XXXX201                                     |
| Safe Overload:     | 200% at center loading point, full scale         |
| Rated Excitation:  | 10V AC/DC (15V maximum)                          |
| Total Error:       | 0.02% Full scale                                 |

|                         |                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance:  | 5000 megohms                                                                                                                              |
| Deflection at Capacity: | 15-150 kg ≤ .4mm/.015"                                                                                                                    |
| Seal Type:              | Environmentally protected                                                                                                                 |
| Cable Length:           | 10'/3.1m                                                                                                                                  |
| Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>Blue .... + Sense<br>Brown ... - Sense<br>Red ..... + Signal<br>White .... - Signal |
| Warranty:               | 2 years                                                                                                                                   |

## 1140 ORDER INFORMATION

| Load<br>Rating          | Part #      | Suggested<br>List Price |
|-------------------------|-------------|-------------------------|
| <b>Potted cells:</b>    |             |                         |
| 15 kg (33.1 lb) .....   | 17451 ..... | \$320.00                |
| 30 kg (66.1 lb) .....   | 17452 ..... | \$320.00                |
| 50 kg (110.2 lb) .....  | 17468 ..... | \$320.00                |
| 75 kg (165.4 lb) .....  | 17485 ..... | \$320.00                |
| 100 kg (220.5 lb) ..... | 17453 ..... | \$320.00                |
| 150 kg (330.7 lb) ..... | 36466 ..... | \$320.00                |

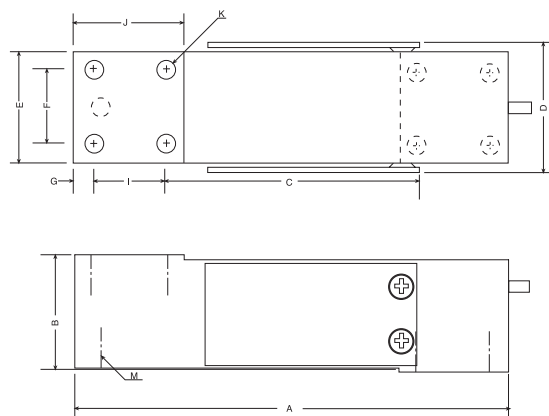
## INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 150) RL1140 |
| Flintec .....                    | (see page 206) PC1    |





# 1240 Single Point, Stainless Steel



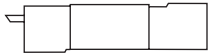
| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |      |      |      |      |                      |                      |
|-----------------------|------------|------|------|------|------|------|------|------|------|----------------------|----------------------|
|                       | A          | B    | C    | D    | E    | F    | G    | I    | J    | K                    | M                    |
| <b>kg/millimeters</b> |            |      |      |      |      |      |      |      |      |                      |                      |
| 200-250               | 150.1      | 39.9 | 86.6 | 43.4 | 38.1 | 25.4 | 6.35 | 25.4 | 38.1 | 1/4-20 UNC x 13 DP   | 1/4-28 UNF x 10 DP   |
| <b>lb/inches</b>      |            |      |      |      |      |      |      |      |      |                      |                      |
| 441-551.3             | 5.91       | 1.57 | 3.41 | 1.71 | 1.50 | 1.00 | .25  | 1.00 | 1.50 | 1/4-20 UNC x 0.51 DP | 1/4-28 UNF x 0.39 DP |

## SPECIFICATIONS:

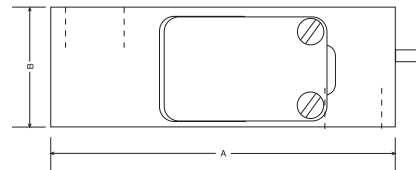
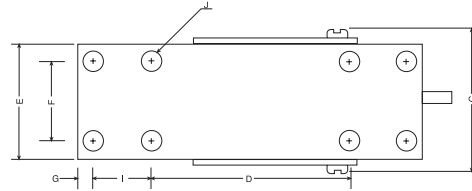
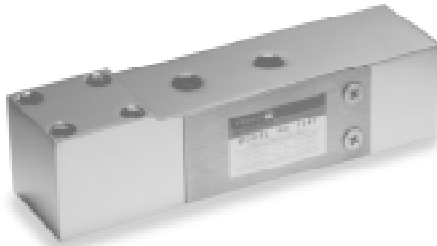
|                    |                                                              |                         |                                                                                                                                                 |
|--------------------|--------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                                     | Insulation Resistance:  | 2000 ohms                                                                                                                                       |
| Bridge Resistance: | 350 ohms                                                     | Deflection at Capacity: | 200-250 kg = .015"/.4mm                                                                                                                         |
| Material/Finish:   | Stainless steel                                              | Seal Type:              | Environmentally sealed                                                                                                                          |
| Temperature:       | Compensated temperature range<br>14°F to 104°F/-10°C to 40°C | Cable Length:           | 10'                                                                                                                                             |
| Manufacturer       |                                                              | Cable Color Code:       | Green ..... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown ..... - Sense<br>Red ..... + Signal<br>White ..... - Signal |
| Model Number:      | 1240-XXX101                                                  | Warranty:               | 1 year                                                                                                                                          |
| Safe Overload:     | 150% Full scale                                              |                         |                                                                                                                                                 |
| Rated Excitation:  | 10V AC/DC (15V maximum)                                      |                         |                                                                                                                                                 |
| Total Error:       | 0.02%                                                        |                         |                                                                                                                                                 |

## 1240 ORDER INFORMATION

| Load<br>Rating          | Part #      | Suggested<br>List Price |
|-------------------------|-------------|-------------------------|
| 200 kg (441 lb) .....   | 47880 ..... | \$350.00                |
| 250 kg (551.3 lb) ..... | 47881 ..... | \$350.00                |



# 1241 Single Point, Aluminum OIML C3



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |      |      |     |      |                      |
|-----------------------|------------|------|------|------|------|------|-----|------|----------------------|
|                       | A          | B    | C    | D    | E    | F    | G   | I    | J                    |
| <b>kg/millimeters</b> |            |      |      |      |      |      |     |      |                      |
| 100-250               | 150.1      | 38.1 | 43.4 | 86.6 | 38.1 | 25.4 | 6.4 | 25.4 | 1/4-20 UNC x 13 DP   |
| <b>lb/inches</b>      |            |      |      |      |      |      |     |      |                      |
| 220.5-551.3           | 5.91       | 1.50 | 1.71 | 3.41 | 1.50 | 1.00 | .25 | 1.00 | 1/4-20 UNC x 0.51 DP |

## SPECIFICATIONS:

|                    |                                                  |                         |                                                                                                                                           |
|--------------------|--------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         | Insulation Resistance:  | 2000 megohms                                                                                                                              |
| Bridge Resistance: | 350 ohms                                         | Deflection at Capacity: | 100-250 kg = .015"/.4mm                                                                                                                   |
| Material/Finish:   | Aluminum                                         | Seal Type:              | Environmentally sealed                                                                                                                    |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Length:           | 1m/3.3'                                                                                                                                   |
| Manufacturer       |                                                  | Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>Blue .... + Sense<br>Brown ... - Sense<br>Red ..... + Signal<br>White .... - Signal |
| Model Number:      | 1241-XXX101                                      | Warranty:               | 1 year                                                                                                                                    |
| Safe Overload:     | 150%, Full scale                                 |                         |                                                                                                                                           |
| Rated Excitation:  | 10V AC/DC (15V maximum)                          |                         |                                                                                                                                           |
| Total Error:       | 0.005%                                           |                         |                                                                                                                                           |

## 1241 ORDER INFORMATION

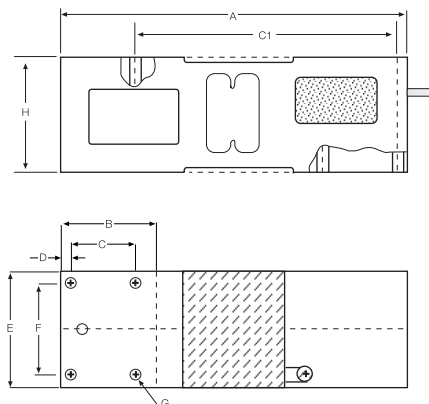
| Load<br>Rating          | Part #      | Suggested<br>List Price |
|-------------------------|-------------|-------------------------|
| 100 kg (220.5 lb) ..... | 47876 ..... | \$305.00                |
| 150 kg (330.7 lb) ..... | 47877 ..... | \$305.00                |
| 200 kg (441.0 lb) ..... | 47878 ..... | \$305.00                |
| 250 kg (551.3 lb) ..... | 47879 ..... | \$305.00                |



# 1260 Single Point, Aluminum NTEP 1:5000 Class III Single Cell



Available upon request



| RATED<br>CAPACITY     | DIMENSIONS |      |      |      |     |      |      |      |
|-----------------------|------------|------|------|------|-----|------|------|------|
|                       | A          | B    | C    | C1   | D   | E    | F    | H    |
| <b>kg/millimeters</b> |            |      |      |      |     |      |      |      |
| 50-635                | 188        | 52   | 35   | 142  | 5.5 | 62.3 | 50   | 62.3 |
| <b>lb/inches</b>      |            |      |      |      |     |      |      |      |
| 110.2-1399.9          | 7.40       | 2.05 | 1.38 | 5.59 | .22 | 2.45 | 1.97 | 2.45 |

## SPECIFICATIONS:

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                                     |
| Bridge Resistance: | 350 ohms, nominal                                            |
| Material/Finish:   | Anodized aluminum                                            |
| Temperature:       | Compensated temperature range<br>14°F to 110°F/-10°C to 40°C |
| Manufacturer       |                                                              |
| Model Number:      | 1260-XXXX001                                                 |
| Safe Overload:     | 200% of full scale at center loading point                   |
| Rated Excitation:  | 10V DC (20V maximum)                                         |
| Total Error:       | 0.02% Full scale                                             |

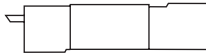
|                        |                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance: | 5000 megohms                                                                                                                                 |
| Seal Type:             | Environmentally protected                                                                                                                    |
| Cable Length:          | 10'/3m                                                                                                                                       |
| Cable Color Code:      | Green .... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown .... - Sense<br>Red ..... + Signal<br>White .... - Signal |
| Warranty:              | 2 years                                                                                                                                      |

## 1260 ORDER INFORMATION

| Load Rating              | Part #      | Suggested List Price |
|--------------------------|-------------|----------------------|
| 50 kg (110.2 lb) .....   | 40769 ..... | \$310.00             |
| 75 kg (165.4 lb) .....   | 40770 ..... | \$310.00             |
| 100 kg (220.5 lb) .....  | 40771 ..... | \$310.00             |
| 200 kg (440.9 lb) .....  | 40772 ..... | \$310.00             |
| 250 kg (551.2 lb) .....  | 40773 ..... | \$310.00             |
| 300 kg (661.4 lb) .....  | 40774 ..... | \$310.00             |
| 500 kg (1102.3 lb) ..... | 40775 ..... | \$310.00             |
| 635 kg (1399.9 lb) ..... | 40776 ..... | \$310.00             |

## INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 153) RL1260 |

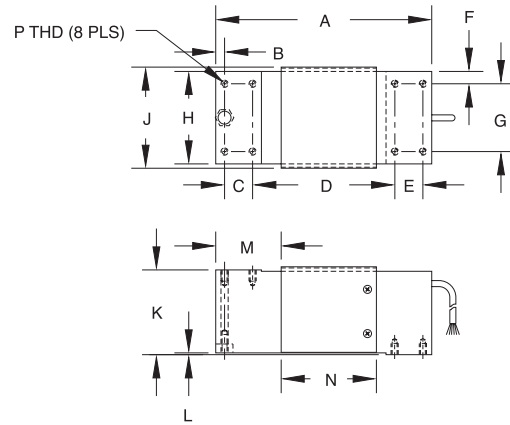


# 1250 Potted Single Point, Aluminum

## NTEP 1:5000 Class III Single Cell



Available upon request



| RATED<br>CAPACITY | DIMENSIONS |      |      |       |      |     |      |      |      |      |     |      |      |                     |
|-------------------|------------|------|------|-------|------|-----|------|------|------|------|-----|------|------|---------------------|
|                   | A          | B    | C    | D     | E    | F   | G    | H    | J    | K    | L   | M    | N    | P                   |
| kg/millimeters    |            |      |      |       |      |     |      |      |      |      |     |      |      |                     |
| 100-1000          | 191.0      | 11.0 | 25.0 | 125.0 | 25.0 | 7.5 | 60.0 | 75.0 | 82.0 | 75.0 | 1.5 | 57.5 | 85.0 | 5/16-18UNC X 15 DP  |
| lb/inches         |            |      |      |       |      |     |      |      |      |      |     |      |      |                     |
| 220.5-2205        | 7.52       | .43  | .98  | 4.92  | .98  | .30 | 2.36 | 2.95 | 3.23 | 2.95 | .06 | 2.26 | 3.35 | 5/16-18UNC X .59 DP |

### SPECIFICATIONS:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Full Scale Output: | 2.0 mV/V                                         |
| Bridge Resistance: | 350 ohms, nominal                                |
| Material/Finish:   | Anodized aluminum                                |
| Temperature:       | Compensated range<br>14°F to 104°F/-10°C to 40°C |
| Manufacturer       |                                                  |
| Model Number:      | 1250-XXXX001 (NTEP)<br>1250-XXXX201 (Non-NTEP)   |
| Safe Overload:     | 200% of full scale at center loading point       |
| Rated Excitation:  | 10V AC/DC (20V maximum)                          |
| Total Error:       | 0.02% Full scale                                 |

|                         |                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance:  | 5000 megohms                                                                                                                              |
| Deflection at Capacity: | 50-1000 kg ≤ .4mm/.015"                                                                                                                   |
| Seal Type:              | Environmentally protected                                                                                                                 |
| Cable Length:           | 10'/3.1m                                                                                                                                  |
| Cable Color Code:       | Green .... + Excitation<br>Black .... - Excitation<br>Blue .... + Sense<br>Brown ... - Sense<br>Red ..... + Signal<br>White .... - Signal |
| Warranty:               | 2 years                                                                                                                                   |

### 1250 POTTED ORDER INFORMATION

| Load<br>Rating             | Part #      | Suggested<br>List Price |
|----------------------------|-------------|-------------------------|
| <b>Potted, NTEP 1:5000</b> |             |                         |
| 100 kg (220.5 lb) .....    | 33711 ..... | \$315.00                |
| 150 kg (330.7 lb) .....    | 33712 ..... | \$315.00                |
| 200 kg (440.9 lb) .....    | 33713 ..... | \$315.00                |
| 250 kg (551.2 lb) .....    | 33714 ..... | \$315.00                |
| 300 kg (661.4 lb) .....    | 33715 ..... | \$315.00                |
| 500 kg (1102.3 lb) .....   | 33716 ..... | \$315.00                |
| 635 kg (1399.9 lb) .....   | 33717 ..... | \$315.00                |
| <b>Non-NTEP 1:5000</b>     |             |                         |
| 50 kg (110.3 lb) .....     | 17478 ..... | \$315.00                |
| 75 kg (165.4 lb) .....     | 17469 ..... | \$315.00                |
| 1000 kg (2205 lb) .....    | 17480 ..... | \$315.00                |

### INTERCHANGEABLE PRODUCTS

| Manufacturer                     | Model                 |
|----------------------------------|-----------------------|
| Rice Lake Weighing Systems ..... | (see page 154) RL1250 |
| Celtron .....                    | (see page 188) LOC    |
| Revere Transducers .....         | (see page 261) 652    |
| Flintec .....                    | (see page 205) PCB    |

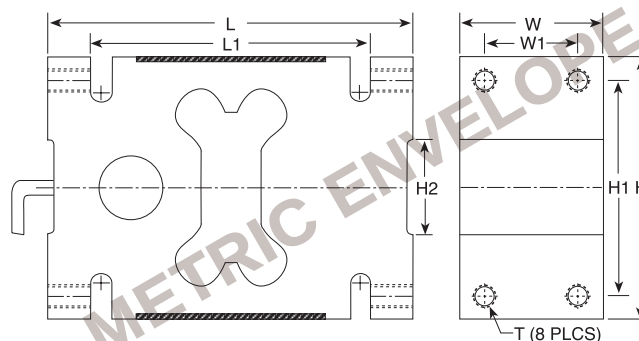


# 1320 Single Point, Aluminum

## NTEP 1:3000, Class III Single Cell



Available upon request



| RATED<br>CAPACITY     | DIMENSIONS |      |      |       |       |          |      |      |
|-----------------------|------------|------|------|-------|-------|----------|------|------|
|                       | H          | H1   | H2   | L     | L1    | T        | W    | W1   |
| <b>kg/millimeters</b> |            |      |      |       |       |          |      |      |
| 1000-2000             | 126.0      | 95.0 | 45.0 | 176.0 | 135.0 | M16X2-6H | 76.0 | 46.0 |
| <b>lb/inches</b>      |            |      |      |       |       |          |      |      |
| 2204.6-4409.2         | 4.96       | 3.74 | 1.77 | 6.93  | 5.31  | M16X2-6H | 2.99 | 1.81 |

### SPECIFICATIONS:

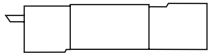
|                        |                                                  |                         |                                                                                                                                             |
|------------------------|--------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                         | Deflection at Capacity: | 1000-2000 kg ≤ .4mm/.015"                                                                                                                   |
| Bridge Resistance:     | 350 ohms, nominal                                | Max. Platform Size:     | 4' x 4'/1.2m x 1.2m                                                                                                                         |
| Material/Finish:       | Aluminum alloy                                   | Seal Type:              | Environmentally protected                                                                                                                   |
| Temperature:           | Compensated range<br>14°F to 104°F/-10°C to 40°C | Cable Length:           | 6m/19.7'                                                                                                                                    |
| Manufacturer:          |                                                  | Cable Color Code:       | Green .... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown ... - Sense<br>Red ..... + Signal<br>White .... - Signal |
| Model Number:          | 1320-XXXX101                                     | Warranty:               | 2 years                                                                                                                                     |
| Safe Overload:         | 150% Full scale                                  |                         |                                                                                                                                             |
| Rated Excitation:      | 10V DC/AC (15V maximum)                          |                         |                                                                                                                                             |
| Total Error:           | 0.02% Full scale                                 |                         |                                                                                                                                             |
| Insulation Resistance: | 2000 megohms                                     |                         |                                                                                                                                             |

### 1320 ORDER INFORMATION

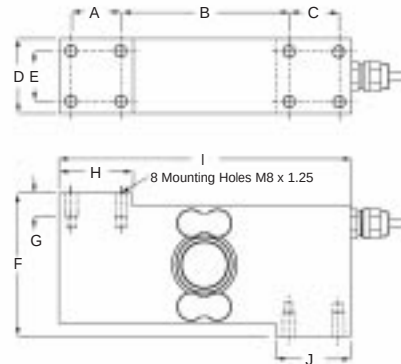
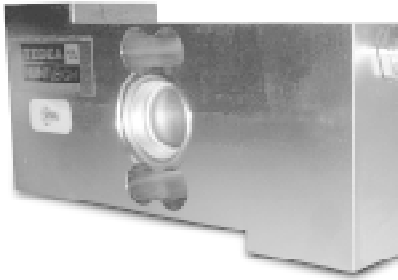
| Load Rating               | Part #      | Suggested List Price |
|---------------------------|-------------|----------------------|
| 1000 kg (2204.6 lb) ..... | 29908 ..... | \$450.00             |
| 1500 kg (3306.9 lb) ..... | 29909 ..... | \$450.00             |
| 2000 kg (4409.2 lb) ..... | 29910 ..... | \$450.00             |

### INTERCHANGEABLE PRODUCTS

| Manufacturer  | Model              |
|---------------|--------------------|
| Celtron ..... | (see page 188) HOC |



# 1510 Single Point Stainless Steel, IP68 Hermetically Sealed



| RATED<br>CAPACITY                   | DIMENSIONS |       |      |      |      |       |      |      |        |      |
|-------------------------------------|------------|-------|------|------|------|-------|------|------|--------|------|
|                                     | A          | B     | C    | D    | E    | F     | G    | H    | I      | J    |
| <b>lb/inches</b><br>100-500 lb      | 56.0       | 190.7 | 56.0 | 84.0 | 56.0 | 161.0 | 26.5 | 84   | 330.7  | 84   |
| <b>kg/millimeters</b><br>100-500 kg | 25.4       | 86.5  | 25.4 | 38.1 | 25.4 | 73    | 12   | 38.1 | 150.00 | 38.1 |

## SPECIFICATIONS:

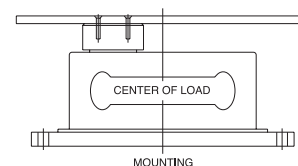
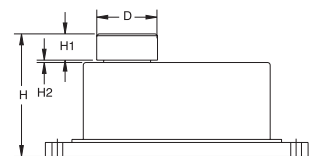
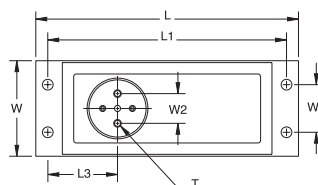
|                        |                                                               |                   |                                                                                                                                   |
|------------------------|---------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                                      | Cable Length:     | 1m                                                                                                                                |
| Bridge Resistance:     | 350 ohms, nominal                                             | Cable Color Code: | Green .... + Input<br>Black ..... - Input<br>Blue ..... + Sense<br>Brown ... - Sense<br>Red ..... + Output<br>White .... - Output |
| Material/Finish:       | Stainless steel                                               | Warranty:         | 2 years                                                                                                                           |
| Temperature:           | Compensated temperature range<br>-14°F to 104°F/-10°C to 40°C |                   |                                                                                                                                   |
| Safe Overload:         | 150% at center loading point, full scale                      |                   |                                                                                                                                   |
| Rated Excitation:      | 10V DC (15V maximum)                                          |                   |                                                                                                                                   |
| Total Error:           | 0.020% Full scale                                             |                   |                                                                                                                                   |
| Insulation Resistance: | 1000 megohms                                                  |                   |                                                                                                                                   |
| Seal Type:             | Hermetically sealed, IP68                                     |                   |                                                                                                                                   |

## 1510 ORDER INFORMATION

| Load<br>Rating           | Part #      | Suggested<br>List Price |
|--------------------------|-------------|-------------------------|
| <b>Stainless Steel*</b>  |             |                         |
| 100 kg (220.5 lb) .....  | 65851 ..... | \$795.00                |
| 250 kg (551.2 lb) .....  | 65852 ..... | \$795.00                |
| 500 kg (1102.3 lb) ..... | 65853 ..... | \$795.00                |



# 240 Single-Point Fluid Damped Alloy Steel/Stainless Steel Casing NTEP 1:5000 Class III Single Cell



Available upon request

| RATED CAPACITY        | D         | H     | H1   | H2  | L     | L1    | L3   | T                    | W    | W1   | W2   |
|-----------------------|-----------|-------|------|-----|-------|-------|------|----------------------|------|------|------|
| <b>kg/millimeters</b> |           |       |      |     |       |       |      |                      |      |      |      |
| 2-50                  | 50 DIA.   | 115.0 | 21.0 | 2.0 | 220.0 | 200.0 | 58.5 | 1/4-20 UNC X 10 DP   | 80.0 | 40.0 | 25.0 |
| <b>lb/inches</b>      |           |       |      |     |       |       |      |                      |      |      |      |
| 4.4-110.2             | 1.97 DIA. | 4.53  | .83  | .08 | 8.66  | 7.87  | 2.30 | 1/4-20 UNC X 0.39 DP | 3.15 | 1.57 | .98  |

## SPECIFICATIONS:

|                    |                                                                         |                        |                           |
|--------------------|-------------------------------------------------------------------------|------------------------|---------------------------|
| Full Scale Output: | 2.0 mV/V                                                                | Total Error:           | 0.025% Full scale         |
| Bridge Resistance: | 350 ohms, nominal                                                       | Insulation Resistance: | 5000 megohms              |
| Material/Finish:   | Anodized aluminum load cell in alloy steel or stainless steel enclosure | Seal Type:             | Environmentally protected |
| Temperature:       | Operating temperature range 32°F to 122°F/0°C to 50°C                   | Cable Length:          | 3m/10'                    |
| Manufacturer       |                                                                         | Cable Color Code:      | Green .... + Excitation   |
| Model Number:      | 0240-XXXX-922 (Alloy)<br>0240-XXXX-923 (Stainless Steel)                |                        | Black ..... - Excitation  |
| Safe Overload:     | 150% at center loading point, full scale                                |                        | Blue ..... + Sense        |
| Rated Excitation:  | 10V DC (15V maximum)                                                    |                        | Brown ... - Sense         |
|                    |                                                                         | Warranty:              | Red ..... + Signal        |
|                    |                                                                         |                        | White .... - Signal       |
|                    |                                                                         |                        | 2 years                   |

## 240 ORDER INFORMATION

| Load Rating             | Part #      | Suggested List Price |
|-------------------------|-------------|----------------------|
| <b>Alloy Steel*</b>     |             |                      |
| *2 kg (4.4 lb) .....    | 17559 ..... | \$670.00             |
| 5 kg (11.0 lb) .....    | 17560 ..... | \$670.00             |
| 7 kg (15.4 lb) .....    | 17561 ..... | \$670.00             |
| 10 kg (22.0 lb) .....   | 17562 ..... | \$670.00             |
| 15 kg (33.1 lb) .....   | 17563 ..... | \$670.00             |
| 20 kg (44.1 lb) .....   | 17564 ..... | \$670.00             |
| 30 kg (66.1 lb) .....   | 17565 ..... | \$670.00             |
| 50 kg (110.2 lb) .....  | 17566 ..... | \$670.00             |
| <b>Stainless Steel*</b> |             |                      |
| *2 kg (4.4 lb) .....    | 17567 ..... | \$795.00             |
| 5 kg (11.0 lb) .....    | 17568 ..... | \$795.00             |
| 7 kg (15.4 lb) .....    | 17569 ..... | \$795.00             |
| 10 kg (22.0 lb) .....   | 17570 ..... | \$795.00             |
| 15 kg (33.1 lb) .....   | 17571 ..... | \$795.00             |
| 20 kg (44.1 lb) .....   | 17572 ..... | \$795.00             |
| 30 kg (66.1 lb) .....   | 17573 ..... | \$795.00             |
| 50 kg (110.2 lb) .....  | 17574 ..... | \$795.00             |

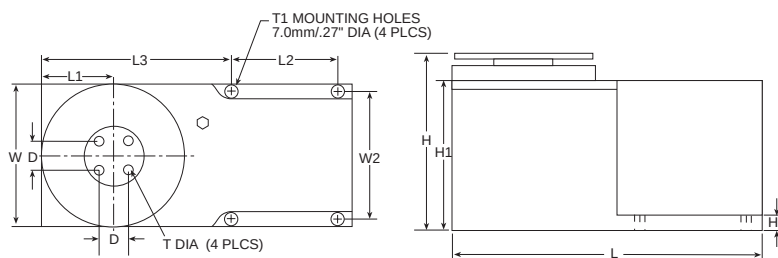
\* Non-NTEP models available; consult factory.

NOTE: The special fluid damped operation is particularly well suited for applications where quick weighment is required, e.g., checkweighers.

**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**



# 9010 Single-Point Fluid Damped Load Cell



| RATED<br>CAPACITY | DIMENSIONS |       |      |      |       |      |      |       |                    |      |      |
|-------------------|------------|-------|------|------|-------|------|------|-------|--------------------|------|------|
|                   | D          | H     | H1   | H3   | L     | L1   | L2   | L3    | T                  | W    | W2   |
| kg/millimeters    |            |       |      |      |       |      |      |       |                    |      |      |
| 3-50              | 19.05      | 115.2 | 97.3 | 10.0 | 199.5 | 46.0 | 71.5 | 119.8 | 1/4-20 UNC X 20DP  | 92.0 | 82.0 |
| lb/inches         |            |       |      |      |       |      |      |       |                    |      |      |
| 6.6-110.2         | .75        | 4.53  | 3.83 | .39  | 7.85  | 1.81 | 2.81 | 4.72  | 1/4-20 UNC x .79DP | 3.62 | 3.23 |

## SPECIFICATIONS:

|                        |                                                          |                   |                                                                                                                                                 |
|------------------------|----------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Scale Output:     | 2.0 mV/V                                                 | Seal Type:        | Environmentally protected                                                                                                                       |
| Bridge Resistance:     | 350 ohms, nominal                                        | Cable Length:     | 3'/.9m                                                                                                                                          |
| Material/Finish:       | Anodized load cell in nickel plated housing              | Cable Color Code: | Green ..... + Excitation<br>Black ..... - Excitation<br>Blue ..... + Sense<br>Brown ..... - Sense<br>Red ..... + Signal<br>White ..... - Signal |
| Temperature:           | Operating temperature range<br>10°C to 30°C/50°F to 86°F | Warranty:         | 2 years                                                                                                                                         |
| Safe Overload:         | 800% Full scale downward, 400% Full scale upward         |                   |                                                                                                                                                 |
| Rated Excitation:      | 15V AC/DC (20V maximum)                                  |                   |                                                                                                                                                 |
| Total Error:           | 0.03% Full scale                                         |                   |                                                                                                                                                 |
| Insulation Resistance: | 5000 megohms                                             |                   |                                                                                                                                                 |

## 9010 ORDER INFORMATION

| Load Rating            | Part #                | Suggested List Price |
|------------------------|-----------------------|----------------------|
| 3 kg (6.6 lb) .....    | consult factory ..... | consult factory      |
| 5 kg (11.0 lb) .....   | consult factory ..... | consult factory      |
| 7 kg (15.4 lb) .....   | consult factory ..... | consult factory      |
| 10 kg (22.0 lb) .....  | consult factory ..... | consult factory      |
| 15 kg (33.1 lb) .....  | consult factory ..... | consult factory      |
| 20 kg (44.1 lb) .....  | consult factory ..... | consult factory      |
| 30 kg (66.1 lb) .....  | consult factory ..... | consult factory      |
| 50 kg (110.2 lb) ..... | consult factory ..... | consult factory      |

*9010 load cells are custom-manufactured per specific application requirements. Use the Application Definition form on page 327 to define your applications.*

NOTE: The special fluid damped operation is particularly well suited for applications where quick weighment is required, e.g., checkweighers.



# Tedea-Huntleigh Model 9010 Application Definition Form

Customer's Name: \_\_\_\_\_ Number of Units: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Date: \_\_\_\_\_

Application: \_\_\_\_\_

Tare Weight (Dead Load), kg: \_\_\_\_\_

Useful Weight (Live Load), kg: \_\_\_\_\_

If Checkweigher:

Size of conveyor platform (cm x cm): Length (Movement Direction) \_\_\_\_\_ Width \_\_\_\_\_

Size of weighed product in movement direction (cm): \_\_\_\_\_

Speed of belt (cm/sec): \_\_\_\_\_

Tare Weight Distribution: Conveyor (kg) \_\_\_\_\_

Motor (kg) \_\_\_\_\_

Position of motor (see sketch, cm): D \_\_\_\_\_ F \_\_\_\_\_

If not checkweigher (see sketch):

Estimate tare C. G. Position (cm): D \_\_\_\_\_ F \_\_\_\_\_

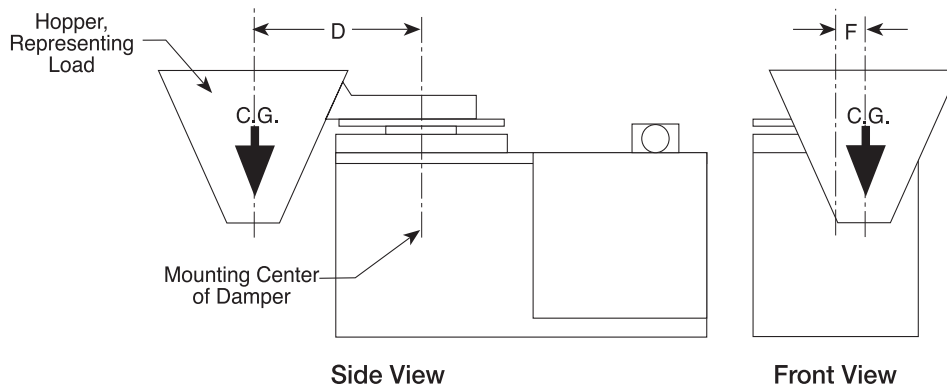
Loading position (cm): D \_\_\_\_\_ F \_\_\_\_\_ Drop Height (cm) \_\_\_\_\_

If C. G. of load varies, max. distance between extreme position (cm): \_\_\_\_\_

Describe live load (powder, fruit, screws, etc.): \_\_\_\_\_

Settling time (milliseconds): \_\_\_\_\_

Accuracy required: \_\_\_\_\_ Operating temperature range (°C): \_\_\_\_\_



*Return completed form to your Sales Representative.*

For Factory use; do not write in space below.

Serial Numbers: \_\_\_\_\_ Sales Order #: \_\_\_\_\_

Delivery Quoted: \_\_\_\_\_ Date: \_\_\_\_\_

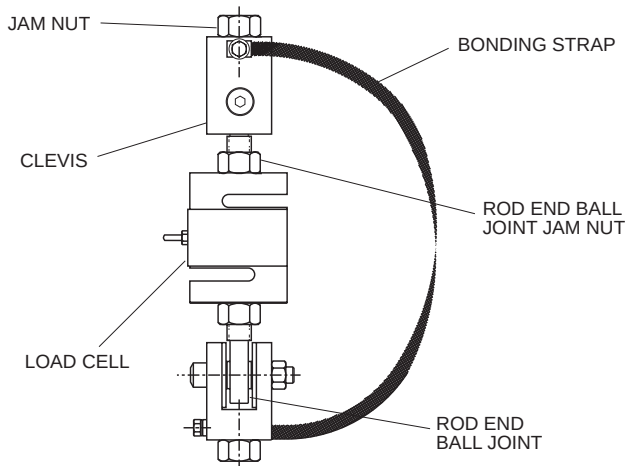
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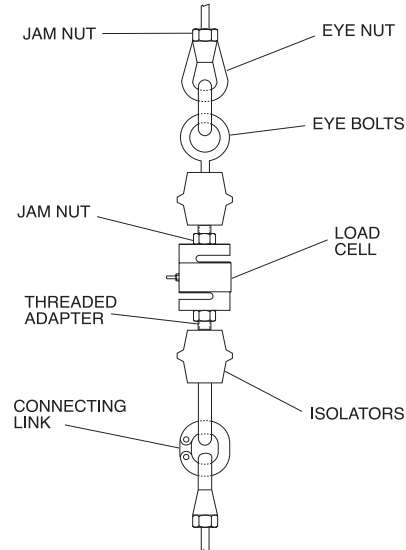
# Hardware and Accessories

## Mounting Assembly Component Identification

### ITCM Isolated Tension Cell Mounting Assembly



### Conventional Tension Mounting Assembly



Our popular ITCM Isolated Tension Cell Mounting Assembly and other conventional suspended weighing system assemblies employ a variety of serviceable hardware components. Rice Lake Weighing Systems offers a comprehensive selection of these items for all of your suspended vessel service needs. These drawings are designed to enable you to quickly identify and differentiate components from both of these common designs. All corresponding replacement hardware is located on the following pages.

## Jam Nuts

### Mild Steel/Stainless Steel

- Coarse or fine thread
- Zinc-plated mild steel or stainless steel



| THREAD SIZE                       | PART #      | SUGGESTED LIST PRICE |
|-----------------------------------|-------------|----------------------|
| <b>Mild Steel, Fine Thread:</b>   |             |                      |
| 1/4-28 NF .....                   | 14639 ..... | \$0.15               |
| 3/8-24 NF .....                   | 14651 ..... | \$0.15               |
| 1/2-20 NF .....                   | 14664 ..... | \$0.15               |
| 5/8-18 NF .....                   | 14677 ..... | \$0.25               |
| 3/4-16 NF .....                   | 14687 ..... | \$0.50               |
| 1-12 NF .....                     | 14702 ..... | \$5.00               |
| 1-14 NF .....                     | 14703 ..... | \$3.95               |
| 1 1/4-12 NF .....                 | 14708 ..... | \$2.70               |
| 1 1/2-12 NF .....                 | 14711 ..... | \$4.00               |
| <b>Mild Steel, Coarse Thread:</b> |             |                      |
| 1/4-20 NC .....                   | 14636 ..... | \$0.15               |
| 3/8-16 NC .....                   | 14649 ..... | \$0.15               |
| 1/2-13 NC .....                   | 14661 ..... | \$0.15               |
| 5/8-11 NC .....                   | 14676 ..... | \$0.25               |
| 3/4-10 NC .....                   | 14686 ..... | \$0.50               |
| 1-8 NC .....                      | 14701 ..... | \$0.65               |
| 1-1/4-7 NC .....                  | 14707 ..... | \$2.50               |

| THREAD SIZE                            | PART #      | SUGGESTED LIST PRICE |
|----------------------------------------|-------------|----------------------|
| <b>Stainless Steel, Fine Thread:</b>   |             |                      |
| 1/4-28 NF .....                        | 14640 ..... | \$0.80               |
| 1/2-20 NF .....                        | 14665 ..... | \$1.25               |
| 3/4-16 NF .....                        | 14688 ..... | \$1.75               |
| <b>Stainless Steel, Coarse Thread:</b> |             |                      |
| 3/8-16 NC .....                        | 14653 ..... | \$0.20               |
| 1/2-13 NC .....                        | 14662 ..... | \$1.25               |
| 5/8-11 NC .....                        | 14680 ..... | \$0.80               |
| 3/4-10 NC .....                        | 14690 ..... | \$1.50               |

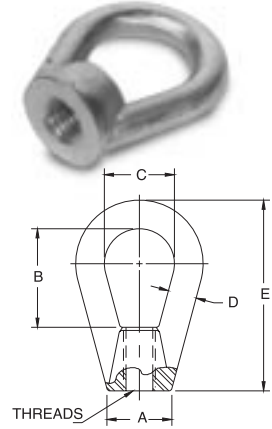
# Hardware and Accessories

## Eye Nuts

- Drop-forged steel, tapped NC right-hand threads

| PART #      | DIMENSIONS - INCHES (MILLIMETERS) |             |             |             |              | THREAD SIZE | SAFE LOAD*          | SUGGESTED LIST PRICE |
|-------------|-----------------------------------|-------------|-------------|-------------|--------------|-------------|---------------------|----------------------|
|             | A                                 | B           | C           | D           | E            |             |                     |                      |
| 17772 ..... | .50 (12.7)                        | 1.06 (26.9) | .75 (19.1)  | .25 (6.4)   | 1.68 (42.7)  | 1/4-20 NC   | 500lb (226.8kg)     | \$10.50              |
| 17773 ..... | .75 (19.1)                        | 1.18 (30.0) | .87 (22.1)  | .31 (7.9)   | 2.25 (57.2)  | 3/8-16 NC   | 1800lb (816.5kg)    | \$11.50              |
| 17774 ..... | 1.00 (25.4)                       | 1.56 (39.6) | 1.12 (28.5) | .43 (10.9)  | 3.00 (76.2)  | 1/2-13 NC   | 3600lb (1632.9kg)   | \$16.50              |
| 17775 ..... | 1.25 (31.8)                       | 1.93 (49.0) | 1.37 (34.8) | .56 (14.2)  | 3.75 (95.3)  | 5/8-11 NC   | 5800lb (2630.8kg)   | \$22.50              |
| 17776 ..... | 1.75 (44.5)                       | 1.87 (47.5) | 1.50 (38.1) | .75 (19.1)  | 3.87 (98.3)  | 3/4-10 NC   | 10,600lb (4808.1kg) | \$32.50              |
| 17777 ..... | 2.25 (57.2)                       | 2.12 (53.9) | 1.75 (44.5) | 1.00 (25.4) | 4.75 (120.7) | 1-8 NC      | 18,800lb (8527.6kg) | \$65.00              |

\*Do not exceed the safe load.



## Coupling Nuts

- Heavy hex

| PART #      | THREAD SIZE | LENGTH      |             | FLAT        |  | SAFE LOAD*          | SUGGESTED LIST PRICE |
|-------------|-------------|-------------|-------------|-------------|--|---------------------|----------------------|
|             |             | INCHES (MM) |             | INCHES (MM) |  |                     |                      |
| 14638 ..... | 1/4-20 NC   | 1.75 (44.5) | .44 (11.2)  |             |  | 500lb (226.8kg)     | \$2.00               |
| 14650 ..... | 3/8-16 NC   | 1.75 (44.5) | .62 (15.8)  |             |  | 1500lb (680.4kg)    | \$2.50               |
| 14663 ..... | 1/2-13 NC   | 1.75 (44.5) | .87 (22.1)  |             |  | 3000lb (1360.8kg)   | \$2.50               |
| 14681 ..... | 5/8-11 NC   | 1.75 (44.5) | 1.06 (26.9) |             |  | 7500lb (3402.0kg)   | \$4.00               |
| 14691 ..... | 3/4-10 NC   | 1.75 (44.5) | 1.25 (31.8) |             |  | 10,000lb (4535.9kg) | \$5.00               |

\*Do not exceed the safe load.



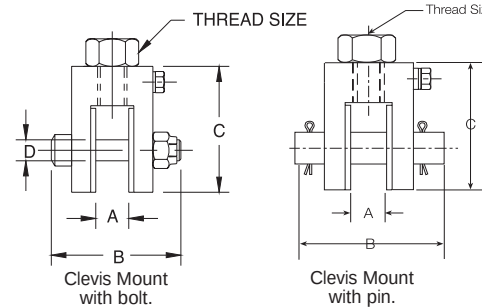
Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 367.

# Hardware and Accessories

## Clevis Mount Assemblies

### Mild Steel

- Assembly used in the ITCM
- Adapts rod to rod-end ball joint
- Provides electrical isolation for load cell protection
- Elimination of unwanted side loads
- Optional stainless steel provides enhanced corrosion resistance

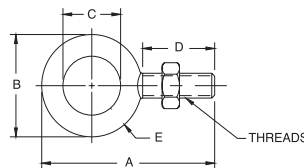


| PART #                    | DIMENSIONS - INCHES (MILLIMETERS) |              |              |             |             | THREAD SIZE         | SAFE LOAD* | SUGGESTED LIST PRICE |
|---------------------------|-----------------------------------|--------------|--------------|-------------|-------------|---------------------|------------|----------------------|
|                           | A                                 | B            | C            | D           |             |                     |            |                      |
| Mild Steel with bolt:     |                                   |              |              |             |             |                     |            |                      |
| 17792                     | .52 (13.2)                        | 2.38 (60.5)  | 1.94 (49.3)  | .38 (9.5)   | 3/8-16 NC   | 300lb (136.1kg)     | \$65.00    |                      |
| 17793                     | .52 (13.2)                        | 2.38 (60.5)  | 1.94 (49.3)  | .38 (9.5)   | 1/2-13 NC   | 300lb (136.1kg)     | \$65.00    |                      |
| 17783                     | .39 (9.9)                         | 1.81 (46.0)  | 1.69 (42.9)  | .25 (6.4)   | 1/2-13 NC   | 500lb (226.8kg)     | \$65.00    |                      |
| 17784                     | .65 (16.5)                        | 2.68 (68.1)  | 2.31 (58.7)  | .50 (12.7)  | 3/4-10 NC   | 4000lb (1814.4kg)   | \$65.00    |                      |
| 17785                     | .78 (19.8)                        | 3.37 (85.6)  | 3.00 (76.2)  | .62 (15.8)  | 1- 8 NC     | 10,000lb (4535.9kg) | \$65.00    |                      |
| 17786                     | .39 (9.9)                         | 1.81 (46.0)  | 1.69 (42.9)  | .25 (6.4)   | 3/8-16 NC   | 500lb (226.8kg)     | \$65.00    |                      |
| 17787                     | .65 (16.5)                        | 2.68 (68.1)  | 2.31 (58.7)  | .50 (12.7)  | 1/2-13 NC   | 2000lb (907.2kg)    | \$65.00    |                      |
| 17788                     | .65 (16.5)                        | 2.68 (68.1)  | 2.31 (58.7)  | .50 (12.7)  | 5/8-11 NC   | 2500lb (1134.0kg)   | \$65.00    |                      |
| 17789                     | .78 (19.8)                        | 3.37 (85.6)  | 3.00 (76.2)  | .62 (15.8)  | 3/4-10 NC   | 5000lb (2268.0kg)   | \$65.00    |                      |
| Mild Steel with pin:      |                                   |              |              |             |             |                     |            |                      |
| 17790                     | 1.39 (35.3)                       | 4.12 (104.6) | 4.50 (114.3) | 1.00 (25.4) | 1 1/4- 7 NC | 15,000lb (6803.9kg) | \$250.00   |                      |
| 17791                     | 1.22 (31.0)                       | 4.12 (104.6) | 5.00 (127.0) | 1.25 (31.8) | 1 1/2- 6 NC | 20,000lb (9071.9kg) | \$250.00   |                      |
| Stainless Steel with pin: |                                   |              |              |             |             |                     |            |                      |
| 33644                     | .52 (13.2)                        | 2.38 (60.5)  | 1.94 (49.3)  | .38 (9.5)   | 1/2-13 NC   | 300lb (136.1kg)     | \$125.00   |                      |
| 33643                     | .39 (9.9)                         | 1.81 (46.0)  | 1.69 (42.9)  | .25 (6.4)   | 1/2-13 NC   | 500lb (226.8kg)     | \$125.00   |                      |
| 33641                     | .39 (9.9)                         | 1.81 (46.0)  | 1.69 (42.9)  | .25 (6.4)   | 3/8-16 NC   | 500lb (226.8kg)     | \$125.00   |                      |
| 33658                     | .52 (13.2)                        | 2.38 (60.5)  | 1.94 (49.3)  | .38 (9.5)   | 3/8-16 NC   | 500lb (226.8kg)     | \$125.00   |                      |
| 33642                     | .65 (16.5)                        | 2.68 (68.1)  | 2.31 (58.7)  | .50 (12.7)  | 3/4-10 NC   | 4000lb (1814.4kg)   | \$165.00   |                      |
| 33640                     | .65 (16.5)                        | 2.68 (68.1)  | 2.31 (58.7)  | .50 (12.7)  | 1/2-13 NC   | 2000lb (907.2kg)    | \$165.00   |                      |
| 33639                     | .65 (16.5)                        | 2.68 (68.1)  | 2.31 (58.7)  | .50 (12.7)  | 5/8-11 NC   | 2500lb (1134.0kg)   | \$165.00   |                      |
| 33638                     | .78 (19.8)                        | 3.37 (85.6)  | 3.00 (76.2)  | .62 (15.8)  | 3/4-10 NC   | 5000lb (2268.0kg)   | \$165.00   |                      |

\*Do not exceed the safe load.

## Load Cell Eye Bolts

- One jam nut included with each eye bolt



| PART #      | DIMENSIONS - INCHES (MILLIMETERS) |              |             |             |             |             |                     |         |  |  | THREAD SIZE | SAFE LOAD* | SUGGESTED LIST PRICE |
|-------------|-----------------------------------|--------------|-------------|-------------|-------------|-------------|---------------------|---------|--|--|-------------|------------|----------------------|
|             | A                                 | B            | C           | D           | E           |             |                     |         |  |  |             |            |                      |
| Mild Steel: |                                   |              |             |             |             |             |                     |         |  |  |             |            |                      |
| 17705       | 2.25 (57.2)                       | 1.25 (31.8)  | .75 (19.1)  | 1.00 (25.4) | .25 (6.4)   | 1/4-28 NF   | 500lb (226.8kg)     | \$7.00  |  |  |             |            |                      |
| 17707       | 2.91 (73.9)                       | 1.66 (42.2)  | 1.00 (25.4) | 1.25 (31.8) | .33 (8.4)   | 3/8-24 NF   | 1400lb (635.0kg)    | \$7.00  |  |  |             |            |                      |
| 17709       | 3.56 (90.4)                       | 2.06 (52.3)  | 1.19 (30.2) | 1.50 (38.1) | .44 (11.2)  | 1/2-20 NF   | 2600lb (1179.3kg)   | \$10.00 |  |  |             |            |                      |
| 17711       | 4.25 (108.0)                      | 2.50 (63.5)  | 1.37 (34.8) | 1.75 (44.5) | .56 (14.2)  | 5/8-18 NF   | 4000lb (1814.4kg)   | \$13.00 |  |  |             |            |                      |
| 17713       | 4.81 (122.2)                      | 2.81 (71.4)  | 1.50 (38.1) | 2.00 (50.8) | .66 (16.8)  | 3/4-16 NF   | 6000lb (2721.6kg)   | \$18.00 |  |  |             |            |                      |
| 17715       | 6.06 (153.9)                      | 3.56 (90.4)  | 1.81 (46.0) | 2.50 (63.5) | .87 (22.1)  | 1-12 NF     | 9000lb (4082.3kg)   | \$31.00 |  |  |             |            |                      |
| 17716       | 6.06 (153.9)                      | 3.56 (90.4)  | 1.81 (46.0) | 2.50 (63.5) | .87 (22.1)  | 1-14 NF     | 9000lb (4082.3kg)   | \$29.00 |  |  |             |            |                      |
| 17718       | 7.44 (189.0)                      | 4.44 (112.8) | 2.19 (55.6) | 3.00 (76.2) | 1.12 (28.4) | 1 1/4-12 NF | 15,000lb (6803.9kg) | \$50.00 |  |  |             |            |                      |
| 17704       | 2.25 (57.2)                       | 1.25 (31.8)  | .75 (19.1)  | 1.00 (25.4) | .25 (6.4)   | 1/4-20 NC   | 500lb (226.8kg)     | \$11.00 |  |  |             |            |                      |
| 17706       | 2.91 (73.9)                       | 1.66 (42.2)  | 1.00 (25.4) | 1.25 (31.8) | .33 (8.4)   | 3/8-16 NC   | 1400lb (635.0kg)    | \$11.00 |  |  |             |            |                      |
| 17708       | 3.56 (90.4)                       | 2.06 (52.3)  | 1.19 (30.2) | 1.50 (38.1) | .44 (11.2)  | 1/2-13 NC   | 2600lb (1179.3kg)   | \$10.00 |  |  |             |            |                      |
| 17710       | 4.25 (108.0)                      | 2.50 (63.5)  | 1.37 (34.8) | 1.75 (44.5) | .56 (14.2)  | 5/8-11 NC   | 4000lb (1814.4kg)   | \$14.00 |  |  |             |            |                      |
| 17712       | 4.81 (122.2)                      | 2.81 (71.4)  | 1.50 (38.1) | 2.00 (50.8) | .66 (16.8)  | 3/4-10 NC   | 6000lb (2721.6kg)   | \$19.00 |  |  |             |            |                      |
| 17714       | 6.06 (153.9)                      | 3.56 (90.4)  | 1.81 (46.0) | 2.50 (63.5) | .87 (22.1)  | 1-8 NC      | 9000lb (4082.3kg)   | \$30.00 |  |  |             |            |                      |
| 17717       | 7.44 (189.0)                      | 4.44 (112.8) | 2.19 (55.6) | 3.00 (76.2) | 1.12 (28.4) | 1 1/4-7 NC  | 15,000lb (6803.9kg) | \$55.00 |  |  |             |            |                      |
| 17719       | 4.31 (109.5)                      | 2.81 (71.4)  | 1.50 (38.1) | 1.50 (38.1) | .66 (16.8)  | 3/4-10 NC   | 6000lb (2721.6kg)   | \$18.00 |  |  |             |            |                      |

\*Do not exceed the safe load.

Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 367.

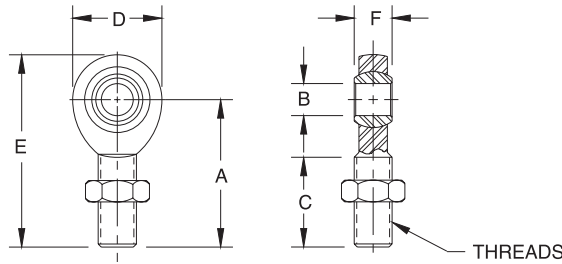
**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**

Prices & Specifications subject to change without notice

# Hardware and Accessories

## Rod End Ball Joints

- Used in the ITCM assembly
- One jam nut included with each rod end ball joint
- Standard or Teflon®-lined
- Optional stainless steel provides enhanced corrosion resistance for hostile environments



| PART #           | DIMENSIONS - INCHES (MILLIMETERS) |         |      |        |      |         |      |         |       |         | F    | THREAD SIZE | SAFE LOAD*  | BREAKING STRENGTH     | TFE LINED               | SUGG. LIST PRICE |          |
|------------------|-----------------------------------|---------|------|--------|------|---------|------|---------|-------|---------|------|-------------|-------------|-----------------------|-------------------------|------------------|----------|
|                  | A                                 | B       | C    | D      | E    |         |      |         |       |         |      |             |             |                       |                         |                  |          |
| Mild Steel:      |                                   |         |      |        |      |         |      |         |       |         |      |             |             |                       |                         |                  |          |
| 17746            | 1.94                              | (49.3)  | .37  | (9.4)  | 1.25 | (31.8)  | 1.00 | (25.4)  | 2.43  | (61.7)  | .50  | (12.7)      | 3/8-24 NF   | 975lb (453.6kg)       | 3915lb (1913.3kg)       | YES              | \$16.00  |
| 17734            | 1.94                              | (49.3)  | .37  | (9.4)  | 1.25 | (31.8)  | 1.00 | (25.4)  | 2.43  | (61.7)  | .50  | (12.7)      | 3/8-24 NF   | 1200lb (544.3kg)      | 4916lb (2229.9kg)       | NO               | \$12.50  |
| 17736            | 2.44                              | (62.0)  | .50  | (12.7) | 1.50 | (38.1)  | 1.31 | (33.3)  | 3.09  | (78.5)  | .62  | (15.8)      | 1/2-20 NF   | 4000lb (1814.4kg)     | 16,238lb (7365.5kg)     | NO               | \$40.00  |
| 17738            | 2.87                              | (72.9)  | .75  | (19.1) | 1.75 | (44.5)  | 1.75 | (44.5)  | 3.75  | (95.3)  | .87  | (22.1)      | 3/4-16 NF   | 7000lb (3175.2kg)     | 28,081lb (12,737.4kg)   | NO               | \$58.00  |
| 17735            | 2.44                              | (62.0)  | .50  | (12.7) | 1.50 | (38.1)  | 1.31 | (33.3)  | 3.09  | (78.5)  | .62  | (15.8)      | 1/2-20 NF   | 2000lb (907.2kg)      | 8075lb (3662.8kg)       | NO               | \$11.00  |
| 17737            | 2.87                              | (72.9)  | .75  | (19.1) | 1.75 | (44.5)  | 1.75 | (44.5)  | 3.75  | (95.3)  | .87  | (22.1)      | 3/4-16 NF   | 3250lb (1474.2kg)     | 13,831lb (6273.7kg)     | NO               | \$20.00  |
| 17739            | 1.56                              | (39.6)  | .25  | (6.4)  | 1.00 | (25.4)  | .75  | (19.1)  | 1.93  | (49.0)  | .37  | (9.4)       | 1/4-28 NF   | 500lb (226.8kg)       | 2158lb (978.9kg)        | YES              | \$12.00  |
| 17740            | 2.44                              | (62.0)  | .50  | (12.7) | 1.50 | (38.1)  | 1.31 | (33.3)  | 3.09  | (78.5)  | .62  | (15.8)      | 1/2-20 NF   | 4000lb (1814.4kg)     | 16,238lb (7365.5kg)     | YES              | \$40.00  |
| 17741            | 2.87                              | (72.9)  | .62  | (15.8) | 1.75 | (44.5)  | 1.75 | (44.5)  | 3.75  | (95.3)  | .75  | (19.1)      | 3/4-16 NF   | 10,000lb (4535.9kg)   | 40,572lb (18,403.2kg)   | YES              | \$60.00  |
| 17742            | 4.12                              | (104.7) | 1.00 | (25.4) | 2.12 | (53.9)  | 2.75 | (70.0)  | 5.50  | (139.7) | 1.37 | (34.8)      | 1-12 NF     | 10,500lb (4762.7kg)   | 43,541lb (19,749.9kg)   | NO               | \$76.00  |
| 26007            | 4.12                              | (104.7) | 1.00 | (25.4) | 2.12 | (53.9)  | 2.75 | (70.0)  | 5.50  | (139.7) | 1.37 | (34.8)      | 1-14 UNS    | 15,000lb (6803.9kg)   | 76,200lb (34,563.8kg)   | YES              | \$225.00 |
| 17747            | 4.12                              | (104.7) | 1.00 | (25.4) | 2.12 | (53.9)  | 2.75 | (70.0)  | 5.50  | (139.7) | 1.37 | (34.8)      | 1-12 NF     | 19,000lb (8618.3kg)   | 76,200lb (34,563.8kg)   | YES              | \$250.00 |
| 17743            | 4.12                              | (104.7) | 1.25 | (31.8) | 2.12 | (53.9)  | 2.75 | (70.0)  | 5.50  | (139.7) | 1.09 | (27.7)      | 1 1/4-12 NF | 20,000lb (9071.9kg)   | 79,728lb (36,164.1kg)   | NO               | \$195.00 |
| 17744            | 5.37                              | (136.4) | 1.50 | (38.1) | 3.00 | (76.2)  | 3.50 | (88.9)  | 7.12  | (180.8) | 1.31 | (33.3)      | 1 1/2-12 NF | 24,000lb (10,886.2kg) | 96,510lb (43,776.3kg)   | NO               | \$160.00 |
| 17745            | 8.00                              | (203.2) | 2.00 | (50.8) | 4.62 | (117.4) | 5.00 | (127.0) | 10.50 | (266.7) | 1.75 | (44.5)      | 2-12 NF     | 55,000lb (24,947.7kg) | 225,457lb (102,265.9kg) | NO               | \$295.00 |
| Stainless Steel: |                                   |         |      |        |      |         |      |         |       |         |      |             |             |                       |                         |                  |          |
| 33506            | 1.94                              | (49.3)  | .37  | (9.4)  | 1.25 | (31.8)  | 1.00 | (25.4)  | 2.43  | (61.7)  | .50  | (12.7)      | 3/8-24 NF   | 1500lb (680.4kg)      | 7362lb (3339.4kg)       | YES              | \$85.00  |
| 33505            | 1.56                              | (39.6)  | .25  | (6.4)  | 1.00 | (25.4)  | .75  | (19.1)  | 1.93  | (49.0)  | .37  | (9.4)       | 1/4-28 NF   | 500lb (226.8kg)       | 2158lb (978.9kg)        | YES              | \$80.00  |
| 33507            | 2.44                              | (62.0)  | .50  | (12.7) | 1.50 | (38.1)  | 1.31 | (33.3)  | 3.09  | (78.5)  | .62  | (15.8)      | 1/2-20 NF   | 3000lb (1360.8kg)     | 16,238lb (7365.5kg)     | YES              | \$95.00  |
| 33508            | 2.87                              | (72.9)  | .62  | (15.8) | 1.75 | (44.5)  | 1.75 | (44.5)  | 3.75  | (95.3)  | .75  | (19.1)      | 3/4-16 NF   | 7,000lb (3175.2kg)    | 40,572lb (18,403.2kg)   | YES              | \$195.00 |

\*Do not exceed the safe load.

Teflon is a registered trademark of E.I. DuPont

## Bonding Strap

- Used in the ITCM assembly
- Tinned copper braid
- Crimped sleeve on ends with .25" (6.4mm) hole
- Available in 12" (304.8mm), 14" (355.6mm), 16" (406.4mm), 24" (609.6mm) or 32" (812.8mm) lengths

| LENGTH<br>INCHES (MM) | PART # | SUGGESTED<br>LIST PRICE |
|-----------------------|--------|-------------------------|
| 12 (304.8)            | 17778  | \$9.50                  |
| 14 (355.6)            | 17779  | \$10.50                 |
| 16 (406.4)            | 17780  | \$11.50                 |
| 24 (609.6)            | 17781  | \$12.00                 |
| 32 (812.8)            | 17782  | \$18.00                 |



Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 367.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

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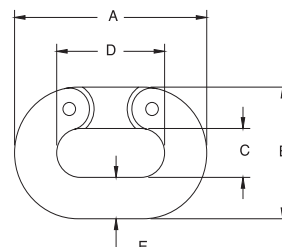
# Hardware and Accessories

## Connecting Links

- Drop-forged carbon steel, heat-treated, hot-dipped galvanized finish



| PART # | DIMENSIONS - INCHES (MILLIMETERS) |         |      |        |      |        |      |        |      |        | SAFE LOAD*            | SUGGESTED LIST PRICE |
|--------|-----------------------------------|---------|------|--------|------|--------|------|--------|------|--------|-----------------------|----------------------|
|        | A                                 | B       | C    | D      | E    |        |      |        |      |        |                       |                      |
| 17794  | 1.50                              | (38.1)  | 1.00 | (25.4) | .43  | (10.9) | .87  | (22.1) | .25  | (6.4)  | 1325 lb (601.6 kg)    | \$10.00              |
| 17795  | 2.06                              | (52.3)  | 1.37 | (34.8) | .56  | (14.2) | 1.12 | (28.5) | .37  | (9.4)  | 2750 lb (1247.4 kg)   | \$12.00              |
| 17796  | 2.65                              | (67.3)  | 1.71 | (43.4) | .65  | (16.5) | 1.46 | (37.1) | .50  | (12.7) | 4750 lb (2154.6 kg)   | \$13.00              |
| 17797  | 3.31                              | (84.1)  | 2.09 | (53.1) | .78  | (19.8) | 1.81 | (46.0) | .62  | (15.8) | 7250 lb (3288.6 kg)   | \$20.00              |
| 17798  | 3.87                              | (98.3)  | 2.50 | (63.5) | .93  | (23.6) | 2.12 | (53.9) | .75  | (19.1) | 10,250 lb (4649.3 kg) | \$35.00              |
| 17799  | 5.00                              | (127.0) | 3.31 | (84.1) | 1.25 | (31.8) | 2.75 | (69.9) | 1.00 | (25.4) | 15,500 lb (7030.7 kg) | \$58.00              |



\*Do not exceed the safe load.

## Load Cell Isolators

- Power surges such as those caused by welding or electrical shorts frequently damage load cells and indicators. To prevent such damage, these isolators electrically separate the mechanical assembly from its tension-type load cell.

| PART # | THREAD SIZE           | HEIGHT INCHES | MAX. DIA (MILLIMETERS) | SAFE LOAD*  | SUGGESTED LIST PRICE        |
|--------|-----------------------|---------------|------------------------|-------------|-----------------------------|
| 17722  | 3/8-16 NC             | 2.50          | (63.5)                 | 2.50 (63.5) | 600 lb (272.2 kg) \$20.00   |
| 17724  | 1/2-13 NC             | 2.50          | (63.5)                 | 2.50 (63.5) | 600 lb (272.2 kg) \$28.00   |
| 17726  | 1/2-20 NF             | 2.50          | (63.5)                 | 2.50 (63.5) | 600 lb (272.2 kg) \$32.00   |
| 17725  | 1/2-13 NC             | 2.43          | (61.7)                 | 2.00 (50.8) | 3000 lb (1360.8 kg) \$45.00 |
| 17723  | 3/8-24 NF             | 2.50          | (63.5)                 | 2.50 (63.5) | 600 lb (272.2 kg) \$32.00   |
| 17728  | 1/2-13 NC x 1/2-20 NF | 2.50          | (63.5)                 | 2.50 (63.5) | 600 lb (272.2 kg) \$32.00   |
| 17731  | 1/4-28 NF             | 1.00          | (25.4)                 | 1.25 (31.8) | 150 lb (68.0 kg) \$25.00    |
| 17732  | 1/4-20 NC             | 1.00          | (25.4)                 | 1.12 (28.4) | 250 lb (113.4 kg) \$25.00   |



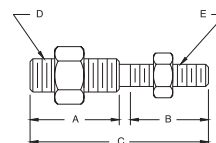
\* Do not exceed the safe load.

## Threaded Adapters

- For coupling isolators with load cells and steelyard rods
- Supplied with jam nuts
- Now in stronger, more durable stainless steel



| PART # | DIMENSIONS - INCHES (MILLIMETERS) |             |             |           |             |                     |           |                   |        |  | SAFE LOAD* | SUGGESTED LIST PRICE |
|--------|-----------------------------------|-------------|-------------|-----------|-------------|---------------------|-----------|-------------------|--------|--|------------|----------------------|
|        | A                                 | B           | C           | D         | E           |                     |           |                   |        |  |            |                      |
| 33561  | —                                 | —           | —           | —         | 2.00 (50.8) | 1/4-28 NF           | 1/4-28 NF | 300 lb (136.1 kg) | \$9.00 |  |            |                      |
| 33562  | .94 (23.9)                        | .94 (23.9)  | 2.00 (50.8) | 1/4-28 NF | 1/4-20 NC   | 300 lb (136.1 kg)   | \$9.00    |                   |        |  |            |                      |
| 33563  | .92 (23.3)                        | 1.02 (25.9) | 2.06 (52.3) | 1/4-28 NF | 3/8-24 NF   | 300 lb (136.1 kg)   | \$9.00    |                   |        |  |            |                      |
| 33564  | .94 (23.9)                        | .94 (23.9)  | 2.00 (50.8) | 1/4-28 NF | 3/8-16 NC   | 300 lb (136.1 kg)   | \$9.00    |                   |        |  |            |                      |
| 33565  | 1.06 (26.9)                       | 1.06 (26.9) | 2.25 (57.2) | 1/4-20 NC | 3/8-16 NC   | 300 lb (136.1 kg)   | \$14.00   |                   |        |  |            |                      |
| 33566  | 1.06 (26.9)                       | 1.06 (26.9) | 2.25 (57.2) | 1/4-20 NC | 3/8-24 NC   | 300 lb (136.1 kg)   | \$14.00   |                   |        |  |            |                      |
| 33567  | 1.06 (26.9)                       | 1.06 (26.9) | 2.25 (57.2) | 1/4-28 NF | 1/2-13 NC   | 300 lb (136.1 kg)   | \$14.00   |                   |        |  |            |                      |
| 33568  | —                                 | —           | 2.00 (50.8) | 3/8-24 NF | 3/8-24 NF   | 500 lb (226.8 kg)   | \$14.00   |                   |        |  |            |                      |
| 33569  | .91 (23.1)                        | .91 (23.1)  | 2.00 (50.8) | 3/8-16 NC | 3/8-24 NF   | 500 lb (226.8 kg)   | \$8.00    |                   |        |  |            |                      |
| 33570  | 1.06 (26.9)                       | 1.06 (26.9) | 2.25 (57.2) | 3/8-24 NF | 1/2-13 NC   | 500 lb (226.8 kg)   | \$14.00   |                   |        |  |            |                      |
| 33571  | 1.31 (33.3)                       | 1.31 (33.3) | 2.75 (69.9) | 1/2-13 NC | 5/8-11 NC   | 3000 lb (1360.8 kg) | \$14.00   |                   |        |  |            |                      |
| 33572  | .87 (22.0)                        | .87 (22.0)  | 2.00 (50.8) | 1/2-13 NC | 1/2-20 NF   | 3000 lb (1360.8 kg) | \$12.00   |                   |        |  |            |                      |
| 33573  | —                                 | —           | 2.06 (52.3) | 1/2-20 NF | 1/2-20 NF   | 3000 lb (1360.8 kg) | \$12.00   |                   |        |  |            |                      |
| 33574  | 1.31 (33.3)                       | 1.31 (33.3) | 2.75 (69.9) | 1/2-20 NF | 5/8-11 NC   | 3000 lb (1360.8 kg) | \$14.00   |                   |        |  |            |                      |
| 33575  | 1.31 (33.3)                       | 1.31 (33.3) | 3.00 (76.2) | 3/4-16 NF | 3/4-10 NC   | 7000 lb (3175.2 kg) | \$16.00   |                   |        |  |            |                      |



\*Do not exceed the safe load.

Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 367.

USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice



# Hardware and Accessories

## ITCM - Isolated Tension Cell Mount Hardware Kits



Mount only - does not include load cell

The ITCM, Isolated Tension Cell Mount, is a mounting assembly designed for tension mounting S-beam load cells in suspended hopper assemblies and mechanical scale conversions. The ITCM incorporates clevis and unique rod end ball joint assemblies to reduce the overall length to less than half of the traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated from stray currents, a major cause of load cell failure. To complete the design, a bonding strap connects the two clevis assemblies to further guarantee safety to your load cells.

### APPLICATIONS

- Suspended hoppers
- Mechanical scale conversions
- Replaces traditional eyebolt, isolator configurations

### STANDARD FEATURES

- Provides greater safety than traditional suspension configurations
- Complete package for ease of installation
- Built-in electrical isolation without having to use isolators (not available on 20,000lb/9071.9kg version)
- Provides correct load cell loading even in difficult installations
- Dramatically reduces overall length
- Capacities from 100lb/45.4kg to 20,000lb/9071.9kg
- Clevis mounts with nylon insulating washers
- Teflon®-lined rod end ball joints (not available on 20,000lb/9071.9kg version)
- Completely isolates load cell from stray currents
- Bonding strap for electrical continuity

**NOTE: ALWAYS EMPLOY SAFETY MEASURES SUCH AS CHAINS OR VERTICAL CHECK RODS. SEE PAGE 296 FOR DETAILS.**

| LOAD RATING              | PART # | CLEVIS THREAD | ROD END THREAD | *SAFE LOAD            | SUGGESTED LIST PRICE |
|--------------------------|--------|---------------|----------------|-----------------------|----------------------|
| <b>Mild Steel:</b>       |        |               |                |                       |                      |
| 300 lb (136.1 kg)        | 17968  | 3/8-16        | 3/8-24         | 300 lb (136.1 kg)     | \$165.00             |
| 300 lb (136.1 kg)        | 17969  | 1/2-13        | 3/8-24         | 300 lb (136.1 kg)     | \$165.00             |
| 500 lb (226.8 kg)        | 17894  | 3/8-16        | 1/4-28         | 500 lb (226.8 kg)     | \$165.00             |
| 500 lb (226.8 kg)        | 17895  | 1/2-13        | 1/4-28         | 500 lb (226.8 kg)     | \$165.00             |
| 2000 lb (907.2 kg)       | 17896  | 1/2-13        | 1/2-20         | 2000 lb (907.2 kg)    | \$195.00             |
| 2500 lb (1134.0 kg)      | 17897  | 5/8-11        | 1/2-20         | 2500 lb (1134.0 kg)   | \$195.00             |
| 4000 lb (1814.4 kg)      | 17898  | 3/4-10        | 1/2-20         | 4000 lb (1814.4 kg)   | \$195.00             |
| 5000 lb (2268.0 kg)      | 17899  | 3/4-10        | 3/4-16         | 5000 lb (2268.0 kg)   | \$255.00             |
| 10,000 lb (4535.9 kg)    | 17900  | 1-8           | 3/4-16         | 10,000 lb (4535.9 kg) | \$255.00             |
| 15,000 lb (6803.9 kg)    | 17958  | 1 1/4-7       | 1-12           | 15,000 lb (6803.9 kg) | \$995.00             |
| 15,000 lb (6803.9 kg)    | 63166  | 1 1/4-7       | 1-14           | 15,000 lb (6803.9 kg) | \$945.00             |
| ** 20,000 lb (9071.9 kg) | 17959  | 1 1/2-6       | 1 1/4-12       | 20,000 lb (9071.9 kg) | \$895.00             |
| <b>Stainless Steel:</b>  |        |               |                |                       |                      |
| 500 lb (226.8 kg)        | 33630  | 3/8-16        | 3/8-24         | 500 lb (226.8 kg)     | \$395.00             |
| 300 lb (136.1 kg)        | 33631  | 1/2-13        | 3/8-24         | 300 lb (136.1 kg)     | \$395.00             |
| 500 lb (226.8 kg)        | 33632  | 3/8-16        | 1/4-28         | 500 lb (226.8 kg)     | \$395.00             |
| 500 lb (226.8 kg)        | 33633  | 1/2-13        | 1/4-28         | 500 lb (226.8 kg)     | \$395.00             |
| 2000 lb (907.2 kg)       | 33634  | 1/2-13        | 1/2-20         | 2000 lb (907.2 kg)    | \$495.00             |
| 2500 lb (1134.0 kg)      | 33635  | 5/8-11        | 1/2-20         | 2500 lb (1134.0 kg)   | \$495.00             |
| 3000 lb (1360.8 kg)      | 33636  | 3/4-10        | 1/2-20         | 3000 lb (1360.8 kg)   | \$495.00             |
| 5000 lb (2268.0 kg)      | 33637  | 3/4-10        | 3/4-16         | 5000 lb (2268.0 kg)   | \$695.00             |

Hardware kits do not include load cell.

\*Do not exceed the safe load.

\*\*Not electrically isolated.

Teflon is a registered trademark of E.I. DuPont.

Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 367.

**USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171**

Prices & Specifications subject to change without notice



# Hardware and Accessories

## Surefoot™

- Replacement foot, adapts to most floor scales
- Use with single-ended beams to provide large, flat, adjustable introduction surface
- Special neoprene rubber sandwich base gives high accuracy, linearity and repeatability

| PART #        | MATERIAL        | THREAD SIZE   | DIMENSIONS - INCHES (MILLIMETERS) |             |              |  | SUGGESTED LIST PRICE |
|---------------|-----------------|---------------|-----------------------------------|-------------|--------------|--|----------------------|
|               |                 |               | BASE HT.                          | TOTAL HT.   | DIAMETER     |  |                      |
| 18756         | Stainless Steel | 1/2-20 UNF    | .75 (19.1)                        | 2.62 (66.5) | 3.47 (88.1)  |  | \$40.00              |
| 39021         | Mild Steel      | 3/4-16 UNF-28 | 1.50 (38.1)                       | 3.25 (82.3) | 4.00 (101.6) |  | \$82.00              |
| <b>Metric</b> |                 |               |                                   |             |              |  |                      |
| 42130         | Mild Steel      | M12           | .75 (19.1)                        | 2.62 (66.5) | 3.47 (88.1)  |  | \$45.00              |



## Bench Scale Feet

### Rubber Pad

- 1/4-20 NC threads
- USDA-approved

Part # 35128 ..... Rubber Pad  
Suggested List Price \$8.00 each



### Stainless Steel

- 3/8-16 threads

Part # 19141 ..... Stainless Steel  
Suggested List Price \$3.00 each



## Leveling Pads

- Replacement feet, adapt to most floor scales
- Available in cadmium-plated steel or stainless steel
- Simple "swivel" design
- Use with single-ended shear beams or bending beams to provide a large, flat load introduction surface

| PART #             | THREAD SIZE | HEIGHT INCHES | DIAMETER (MILLIMETERS) | SUGGESTED LIST PRICE |
|--------------------|-------------|---------------|------------------------|----------------------|
| <b>Mild Steel:</b> |             |               |                        |                      |
| 18817              | 1/2-13 NC   | 1.12 (28.4)   | 1.87 (47.5)            | \$22.00              |
| 18820              | 3/4-10 NC   | 1.50 (38.1)   | 3.00 (76.2)            | \$40.00              |

|                         |           |             |             |         |
|-------------------------|-----------|-------------|-------------|---------|
| <b>Stainless Steel:</b> |           |             |             |         |
| 18818                   | 1/2-13 NC | 1.12 (28.4) | 1.87 (47.5) | \$55.00 |
| 18833                   | 3/4-10 NC | 1.50 (38.1) | 3.00 (76.2) | \$95.00 |

Used in conjunction with Leveling Pad Stems on page 336



## Leveling Mount

- Designed for use with some floor scales or machinery platforms.  
Can be used as a replacement foot on the "SP" floor scale to limit vibrations transmitted to the scale through the floor.
- Provides vibration isolation on most portable platforms

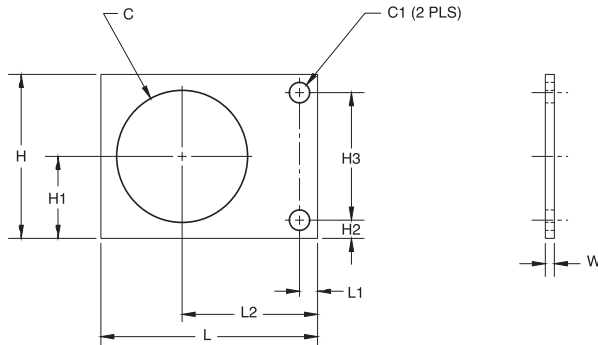
| PART # | THREAD SIZE | HEIGHT INCHES | DIAMETER (MILLIMETERS) | SUGGESTED LIST PRICE |
|--------|-------------|---------------|------------------------|----------------------|
| 18819  | 1/2-13 NC   | 1.81 (46.0)   | 5.00 (127.0)           | \$80.00              |



# Hardware and Accessories

## RoughDeck™ Scale Base Mounting Plates

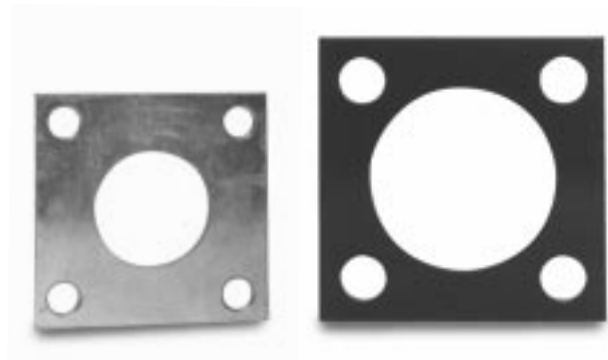
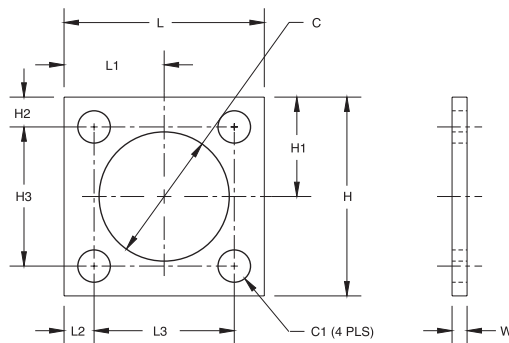
- Secures RoughDecks and other popular floor scales
- Prevents movement in horizontal plane
- Useful with Surefoot™ and other load cell foot assemblies
- Available in stainless steel and mild steel



| PART # | MTL.     | C                 | C1               | DIMENSIONS - INCHES (MILLIMETERS) |                   |                  |                   |                    |                  |                   | SUGGESTED LIST PRICE |               |
|--------|----------|-------------------|------------------|-----------------------------------|-------------------|------------------|-------------------|--------------------|------------------|-------------------|----------------------|---------------|
|        |          |                   |                  | H                                 | H1                | H2               | H3                | L                  | L1               | L2                |                      |               |
| 19075  | ..... MS | ..... 3.62 (91.9) | ..... .56 (14.2) | ..... 4.50 (114.3)                | ..... 2.25 (57.2) | ..... .50 (12.7) | ..... 3.50 (88.9) | ..... 6.00 (152.4) | ..... .50 (12.7) | ..... 3.75 (95.3) | ..... .25 (6.4)      | ..... \$13.00 |
| 19076  | ..... SS | ..... 3.62 (91.9) | ..... .56 (14.2) | ..... 4.50 (114.3)                | ..... 2.25 (57.2) | ..... .50 (12.7) | ..... 3.50 (88.9) | ..... 6.00 (152.4) | ..... .50 (12.7) | ..... 3.75 (95.3) | ..... .25 (6.4)      | ..... \$16.00 |

## Floor Scale Mounting Plates

- Suitable for use with leveling pads
- Generic mounting plate for popular floor scales
- Fits most floor scale foot assemblies
- Available in stainless steel and mild steel  
(mild steel parts are zinc plated/painted)



| PART #           | C              | C1            | H                | DIMENSIONS - INCHES (MILLIMETERS) |               |               |                  |                |               |                | SUGGESTED       |            |  |
|------------------|----------------|---------------|------------------|-----------------------------------|---------------|---------------|------------------|----------------|---------------|----------------|-----------------|------------|--|
|                  |                |               |                  | H1                                | H2            | H3            | L                | L1             | L2            | L3             | W               | LIST PRICE |  |
| Mild Steel:      |                |               |                  |                                   |               |               |                  |                |               |                |                 |            |  |
| 18737 .....      | 2.00 (50.8) .. | .53 (13.5)... | 4.00 (101.6) ... | 2.00 (50.8) ..                    | .50 (12.7)... | 3.00 (76.2) . | 4.00 (101.6) ... | 2.00 (50.8) .. | .50 (12.7) .. | 3.00 (76.2) .. | .25 (6.4) ..... | \$8.00     |  |
| 18738 .....      | 3.25 (82.6) .. | .81 (20.6)... | 5.00 (127.0) ... | 2.50 (63.5) ..                    | .75 (19.1)... | 3.50 (88.9) . | 5.00 (127.0) ... | 2.50 (63.5) .. | .75 (19.1) .. | 3.50 (88.9) .. | .38 (9.7) ..... | \$9.00     |  |
| Stainless Steel: |                |               |                  |                                   |               |               |                  |                |               |                |                 |            |  |
| 18751 .....      | 2.00 (50.8) .. | .53 (13.5)... | 4.00 (101.6) ... | 2.00 (50.8) ..                    | .50 (12.7)... | 3.00 (76.2) . | 4.00 (101.6) ... | 2.00 (50.8) .. | .50 (12.7) .. | 3.00 (76.2) .. | .25 (6.4) ..... | \$16.00    |  |

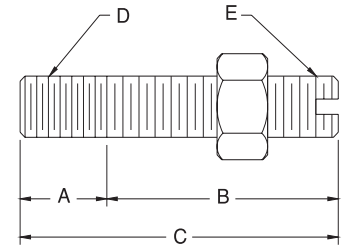
USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice

# Hardware and Accessories

## Leveling Pad Stems

- For use with leveling pads
- One jam nut included

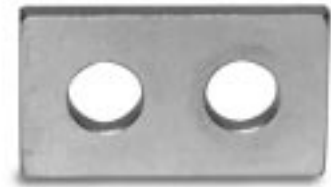
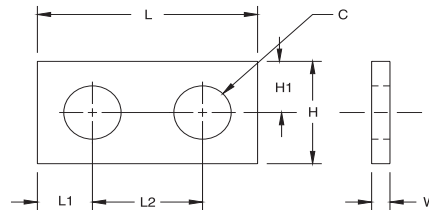


| PART #           | DIMENSIONS - INCHES (MILLIMETERS) |        |      |        |      | SLOT   | MATERIAL                | SUGGESTED LIST PRICE |      |         |
|------------------|-----------------------------------|--------|------|--------|------|--------|-------------------------|----------------------|------|---------|
|                  | A                                 | B      | C    | D      | E    |        |                         |                      |      |         |
| Mild Steel:      |                                   |        |      |        |      |        |                         |                      |      |         |
| 17693            | .75                               | (19.1) | 2.00 | (50.8) | 2.75 | (69.9) | 3/4-10 NC ... 3/4-16 NF | NO                   | 1045 | \$12.00 |
| Stainless Steel: |                                   |        |      |        |      |        |                         |                      |      |         |
| 17689            | .50                               | (12.7) | 1.50 | (38.1) | 2.00 | (50.8) | 1/2-13 NC ... 1/2-20 NF | YES                  | SS   | \$12.00 |
| 17695            | .75                               | (19.1) | 2.00 | (50.8) | 2.75 | (69.9) | 3/4-10 NC ... 3/4-16 NF | NO                   | SS   | \$12.00 |

Used in conjunction with Leveling Pad on page 326.  
Warning: Do not use to suspend a load.

## Load Cell Spacers

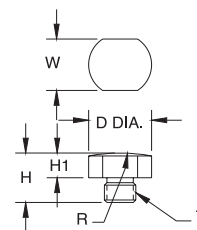
- Use with most popular single-ended beams
- Provides flat mounting surface required for optimum load cell performance
- Zinc-plated mild steel or stainless steel



| PART #           | C           | DIMENSIONS - INCHES (MILLIMETERS) |             |              |             |             |           |         |  |  |  | W | LIST PRICE |
|------------------|-------------|-----------------------------------|-------------|--------------|-------------|-------------|-----------|---------|--|--|--|---|------------|
|                  |             | H                                 | H1          | L            | L1          | L2          |           |         |  |  |  |   |            |
| Mild Steel:      |             |                                   |             |              |             |             |           |         |  |  |  |   |            |
| 17754            | .53 (13.4)  | 1.25 (31.8)                       | .62 (15.7)  | 2.25 (57.2)  | .62 (15.7)  | 1.00 (25.4) | .25 (6.4) | \$16.00 |  |  |  |   |            |
| 17755            | .78 (19.8)  | 1.50 (38.1)                       | .75 (19.1)  | 3.00 (76.2)  | .75 (19.1)  | 1.50 (38.1) | .25 (6.4) | \$17.00 |  |  |  |   |            |
| 17756            | 1.03 (26.2) | 2.00 (50.8)                       | 1.00 (25.4) | 4.00 (101.6) | 1.00 (25.4) | 2.00 (50.8) | .25 (6.4) | \$18.00 |  |  |  |   |            |
| 18260            | .53 (13.4)  | 1.25 (31.8)                       | .62 (15.7)  | 2.25 (57.2)  | .62 (15.7)  | 1.00 (25.4) | .37 (9.4) | \$18.00 |  |  |  |   |            |
| Stainless Steel: |             |                                   |             |              |             |             |           |         |  |  |  |   |            |
| 17757            | .78 (19.8)  | 1.50 (38.1)                       | .75 (19.1)  | 3.00 (76.2)  | .75 (19.1)  | 1.50 (38.1) | .25 (6.4) | \$24.00 |  |  |  |   |            |
| 18383            | .53 (13.4)  | 1.25 (31.8)                       | .62 (15.7)  | 2.25 (57.2)  | .62 (15.7)  | 1.00 (25.4) | .37 (9.4) | \$18.00 |  |  |  |   |            |
| 18411            | .53 (13.4)  | 1.25 (31.8)                       | .62 (15.7)  | 2.25 (57.2)  | .62 (15.7)  | 1.00 (25.4) | .25 (6.4) | \$16.00 |  |  |  |   |            |

## Load Button

- Suitable for use with compression mounting assemblies, canisters, S-beams, and single-ended beams
- Hardened alloy steel

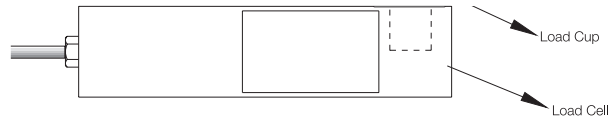


| PART # | DIMENSIONS - INCHES (MILLIMETERS) |             |            |           |              | SUGGESTED LIST PRICE |
|--------|-----------------------------------|-------------|------------|-----------|--------------|----------------------|
|        | T                                 | D           | H          | H1        | R            |                      |
| 17750  | 3/8-24 UNF                        | .75 (19.1)  | .60 (15.2) | .30 (7.6) | 2.00 (50.8)  | \$17.00              |
| 17751  | 1/2-20 UNF                        | .75 (19.1)  | .70 (17.8) | .30 (7.6) | 4.00 (101.6) | \$17.00              |
| 17752  | 3/4-16 UNF                        | 1.50 (38.1) | .90 (22.9) | .30 (7.6) | 6.00 (152.4) | \$19.00              |

# Hardware and Accessories

## Ball and Cup Load Introduction

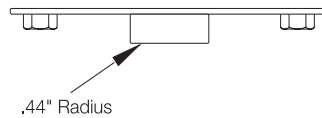
- Design offers accurate point loading
- Self-centering effect built in
- Ease of manufacture for custom applications



## Load Receiver

- Use with load cup and ball bearings to build a custom scale
- Ball and cup load introduction provides point loading for maximum accuracy
- Stainless steel construction
- Capacity: 250 - 4000 lb

Part # 18832 ..... Load Receiver  
Suggested List Price \$40.00 each



## Ball Bearings

- Use with load cup and load receiver to build a custom scale
- Hardened chrome alloy steel for superior durability

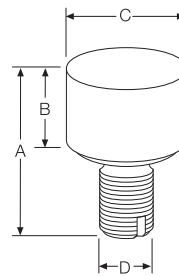
| PART # | DIAMETER | SUGGESTED LIST PRICE |
|--------|----------|----------------------|
| 18815  | 5/8"     | \$3.00               |
| 18816  | 7/8"     | \$5.00               |



## Load Cups

- Ball and cup load introduction provides point loading for maximum accuracy
- For use with most popular single-ended beams

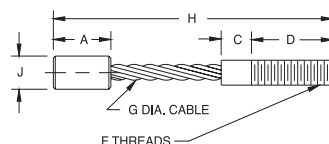
| PART # | DIMENSIONS - INCHES (MILLIMETERS) |            |             |           | SUGGESTED LIST PRICE |
|--------|-----------------------------------|------------|-------------|-----------|----------------------|
|        | A                                 | B          | C           | D         |                      |
| 31911  | 1.70 (43.2)                       | .54 (13.7) | 1.07 (27.2) | 1/2-20 NF | \$35.00              |
| 33654  | 1.12 (28.4)                       | .54 (13.7) | .78 (19.8)  | 1/2-20 NF | \$22.00              |
| 33653  | 1.50 (38.1)                       | .80 (20.3) | 1.12 (28.4) | 3/4-16 NF | \$24.00              |
| 33652  | 2.00 (50.8)                       | .85 (21.6) | 1.75 (44.5) | 1-12 NF   | \$68.00              |
| 33651  | 2.85 (72.4)                       | .85 (21.6) | 1.75 (44.5) | 1-12 NF   | \$95.00              |
| 33650  | 2.85 (72.4)                       | .85 (21.6) | 1.75 (44.5) | 1-14 NF   | \$95.00              |
| 33647  | 2.75 (69.9)                       | .50 (12.7) | .75 (19.1)  | 1/2-20 NF | \$26.00              |



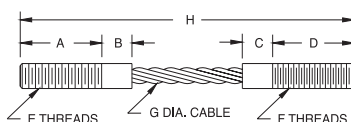
# Hardware and Accessories

## Wire Rope Assemblies

- Wire rope assemblies provide better alignment and greatly increase load cell repeatability. In addition, they act as natural vibration dampeners.



| PART # | DIMENSIONS - INCHES (MILLIMETERS) |            |             |              |           |             |            | SAFE LOAD*      | SUGGESTED LIST PRICE |
|--------|-----------------------------------|------------|-------------|--------------|-----------|-------------|------------|-----------------|----------------------|
|        | A                                 | C          | D           | F            | G         | H           | J          |                 |                      |
| 17759  | .81 (20.6)                        | .50 (12.7) | .87 (22.1)  | 1/4-28 NF-2A | .12 (3.0) | 3.50 (88.9) | .44 (11.2) | 400lb (181.4kg) | \$24.00              |
| 17761  | .87 (22.1)                        | .50 (12.7) | 1.25 (31.8) | 3/8-24 NF-2A | .19 (4.8) | 3.50 (88.9) | .50 (12.7) | 850lb (385.6kg) | \$22.00              |



| PART #  | DIMENSIONS - INCHES (MILLIMETERS) |            |             |              |              |           |              | SAFE LOAD*       | SUGGESTED LIST PRICE |
|---------|-----------------------------------|------------|-------------|--------------|--------------|-----------|--------------|------------------|----------------------|
|         | A                                 | B & C      | D           | E            | F            | G         | H            |                  |                      |
| 17760   | .87 (22.1)                        | .50 (12.7) | .87 (22.1)  | 1/4-20 NC-2A | 1/4-28 NF-2A | .12 (3.1) | 4.00 (101.6) | 400lb (181.4kg)  | \$21.00              |
| 17762   | 1.25 (31.8)                       | .50 (12.7) | 1.25 (31.8) | 3/8-16 NC-2A | 3/8-24 NF-2A | .18 (4.6) | 5.00 (127.0) | 850lb (385.6kg)  | \$32.00              |
| 17766   | 1.62 (41.1)                       | .50 (12.7) | 1.62 (41.1) | 1/2-13 NC-2A | 1/2-20 NF-2A | .25 (6.4) | 6.50 (165.1) | 1400lb (635.0kg) | \$32.00              |
| 17765   | 1.62 (41.1)                       | .50 (12.7) | 1.62 (41.1) | 1/2-13 NC-2A | 1/2-20 NF-2A | .25 (6.4) | 5.50 (139.7) | 1400lb (635.0kg) | \$32.00              |
| 17764   | 1.00 (25.4)                       | -          | 1.37 (34.8) | 1/2-20 NF-2A | 1/2-20 NF-2A | .25 (6.4) | 4.00 (101.6) | 1400lb (635.0kg) | \$36.00              |
| 17768   | 2.00 (50.8)                       | -          | 2.50 (63.5) | 3/8-24 NF-2A | 3/8-24 NF-2A | .12 (3.1) | 5.50 (139.7) | 400lb (181.4kg)  | \$45.00              |
| 17769** | 1.25 (31.8)                       | -          | .75 (19.1)  | 1/4-28 NF-2A | 1/4-28 NF-2A | .12 (3.1) | 3.00 (76.2)  | 400lb (181.4kg)  | \$30.00              |
| 17770** | 1.25 (31.8)                       | -          | .75 (19.1)  | 1/2-20 NF-2A | 1/2-20 NF-2A | .18 (4.6) | 3.00 (76.2)  | 850lb (385.6kg)  | \$30.00              |
| 17771** | 1.25 (31.8)                       | -          | .75 (19.1)  | 1/2-20 NF-2A | 1/2-20 NF-2A | .25 (6.4) | 3.00 (76.2)  | 1400lb (635.0kg) | \$30.00              |

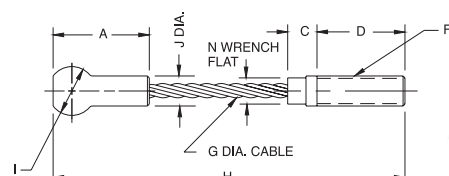
\* Do not exceed the safe load.

\*\*Used with Rice Lake Weighing Systems Flexure Bases.

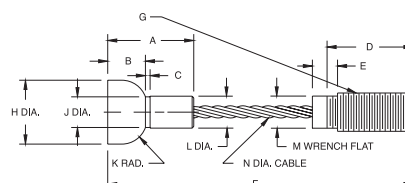
## Cardinal Wire Rope Replacement Assemblies

**EL208** Cardinal wire rope assembly. Used on 7,500 lb (3402.0 kg) capacity FH model and 8,000 lb (3628.7 kg) capacity EP model.

**EL209** Cardinal wire rope assembly. Used on 20,000 lb (9071.9 kg) capacity FH and EP models. May also be used on 15,000 lb (6803.9 kg) capacity FH and EP models.



Part # 17763 ..... EL208



Part # 17767 ..... EL209

| PART # | DIMENSIONS - INCHES (MILLIMETERS) |            |            |             |            |              |               |              |            |            | SUGGESTED LIST PRICE |
|--------|-----------------------------------|------------|------------|-------------|------------|--------------|---------------|--------------|------------|------------|----------------------|
|        | A                                 | B          | C          | D           | E          | F            | G             | H            | I          | J          |                      |
| 17763  | 1.50 (38.1)                       | -          | .50 (12.7) | 1.62 (41.1) | -          | 1/2-13 NC    | .25 (6.4)     | 6.00 (152.4) | .81 (20.6) | .43 (10.9) | \$39.00              |
| 17767  | 1.71 (43.4)                       | .75 (19.1) | .09 (2.3)  | 2.00 (50.8) | .43 (10.9) | 6.31 (160.3) | 3/4-10 UNC-2A | 1.25 (31.8)  | -          | .60 (15.2) | \$50.00              |

## Custom Wire Ropes

- Custom wire ropes are available for your specific applications
- When ordering, please supply us with the specifications listed at right, a sample if possible, the required tension rating and total capacity

### Style Wire Rope\*

|                     |                      |                   |
|---------------------|----------------------|-------------------|
| A ... Thread Length | F ... Threads        | K ... Safe Load   |
| B ... Shank Length  | G ... Rope Diameter  | L ... Environment |
| C ... Shank Length  | H ... Overall Length | M ... Application |
| D ... Thread Length | I ... Ball Diameter  |                   |
| E ... Threads       | J ... Shank Diameter |                   |

\* Use drawings above for reference

Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 367.

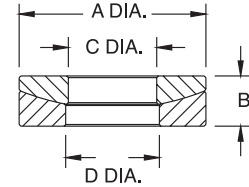
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Prices & Specifications subject to change without notice

# Hardware and Accessories

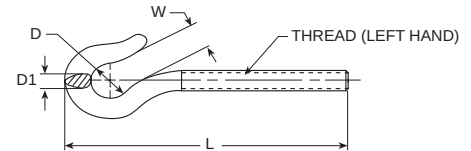
## Spherical Washer Sets

| PART #           | DIMENSIONS - INCHES (MILLIMETERS) |             |            |             |             | SUGGESTED LIST PRICE |
|------------------|-----------------------------------|-------------|------------|-------------|-------------|----------------------|
|                  | BOLT SIZE                         | A           | B          | C           | D           |                      |
| Mild Steel:      |                                   |             |            |             |             |                      |
| 15196            | .25 (6.4)                         | .62 (15.8)  | .20 (5.1)  | .28 (7.1)   | .31 (7.9)   | \$4.50               |
| 15197            | .38 (9.7)                         | .88 (22.4)  | .25 (6.4)  | .41 (10.4)  | .44 (11.2)  | \$6.00               |
| 15198            | .50 (12.7)                        | 1.12 (28.5) | .31 (7.9)  | .53 (13.5)  | .56 (14.2)  | \$8.00               |
| 15199            | .62 (15.8)                        | 1.38 (35.1) | .31 (7.9)  | .66 (16.8)  | .69 (17.5)  | \$9.00               |
| 15200            | .75 (19.1)                        | 1.62 (41.1) | .38 (9.7)  | .78 (19.8)  | .81 (20.6)  | \$13.00              |
| 15201            | 1.00 (25.4)                       | 2.00 (50.8) | .50 (12.7) | 1.06 (26.9) | 1.12 (28.5) | \$23.00              |
| 15202            | 1.25 (31.8)                       | 2.62 (66.6) | .50 (12.7) | 1.31 (33.3) | 1.38 (35.1) | \$32.00              |
| 15203            | 1.50 (38.1)                       | 2.88 (73.2) | .53 (13.5) | 1.56 (39.6) | 1.62 (41.1) | \$59.00              |
| 15204            | 1.75 (44.5)                       | 3.25 (82.6) | .69 (17.5) | 1.81 (46.0) | 1.88 (47.8) | \$82.00              |
| 15205            | 2.00 (50.8)                       | 3.88 (98.6) | .81 (20.6) | 2.06 (52.3) | 2.12 (53.8) | \$90.00              |
| Stainless Steel: |                                   |             |            |             |             |                      |
| 33218            | .50 (12.7)                        | 1.12 (28.5) | .31 (7.9)  | .53 (13.5)  | .56 (14.2)  | \$11.50              |
| 33220            | .75 (19.1)                        | 1.62 (41.1) | .38 (9.7)  | .78 (19.8)  | .81 (20.6)  | \$21.00              |



## Hooks

- Left-hand thread
- For use with turnbuckle assembly
- Jam nut included

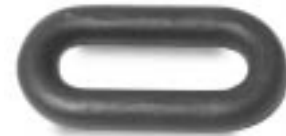


| PART # | DIMENSIONS - INCHES (MILLIMETERS) |            |              |            | THREAD       | SAFE LOAD*        | SUGGESTED LIST PRICE |
|--------|-----------------------------------|------------|--------------|------------|--------------|-------------------|----------------------|
|        | D                                 | D1         | L            | W          |              |                   |                      |
| 17803  | .87 (22.1)                        | .53 (13.5) | 6.50 (165.1) | .81 (20.6) | 1/2-13 NC-LH | 1300lb (589.7kg)  | \$14.00              |
| 17804  | .90 (22.9)                        | .62 (15.8) | 6.75 (171.5) | .84 (21.3) | 5/8-11 NC-LH | 2200lb (997.9kg)  | \$17.00              |
| 17805  | 1.12 (28.5)                       | .69 (17.5) | 7.37 (187.2) | .91 (23.1) | 3/4-10 NC-LH | 2700lb (1224.7kg) | \$24.00              |

\* Do not exceed the safe load.

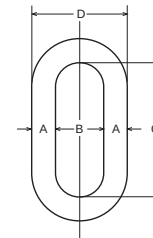
## Weldless End Links

- Self colored or hot-dip galvanized
- Forged carbon steel—quenched and tempered



| PART # | DIMENSIONS - INCHES (MILLIMETERS) |             |              |              | SAFE LOAD*            | SUGGESTED LIST PRICE |
|--------|-----------------------------------|-------------|--------------|--------------|-----------------------|----------------------|
|        | A                                 | B           | C            | D            |                       |                      |
| F312L  | .625 (15.9)                       | 1.00 (25.4) | 3.25 (82.6)  | 2.32 (58.9)  | 9300lb (4218.4kg)     | \$14.25              |
| 17810  | .875 (22.2)                       | 2.00 (50.8) | 5.13 (130.3) | 3.75 (95.3)  | 12,000lb (5443.1kg)   | \$60.00              |
| 21911  | 1.00 (22.2)                       | 2.25 (57.2) | 5.75 (146.1) | 4.25 (108.0) | 15,200lb (6894.6kg)   | \$85.00              |
| 65430  | 1.25 (31.8)                       | 2.50 (63.5) | 7.00 (177.8) | 5.00 (127.0) | 26,400lb (11,974.9kg) | \$105.00             |
| 21912  | 1.375 (34.9)                      | 2.75 (69.9) | 7.75 (196.9) | 5.50 (139.7) | 30,000lb (13,607.8kg) | \$255.00             |

\*Do not exceed the safe load.



Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 367.

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Prices & Specifications subject to change without notice

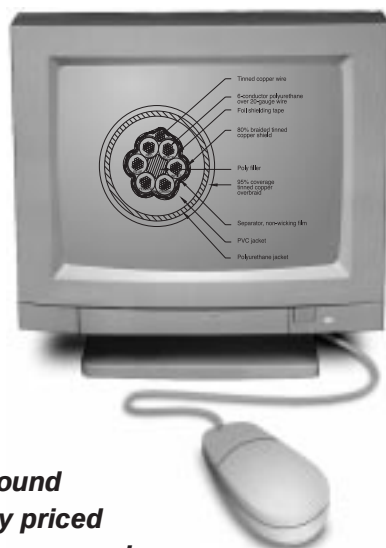
# Hardware and Accessories

## Complete Custom Cable Services

**Special cable requirements?**

**Custom-built cable designed specifically for your application.**

Choose from the following design elements, and Rice Lake Weighing Systems will build a cable to your specifications.



- **Quick turnaround**
- **Competitively priced**
- **5000 ft minimum purchase**
- **Call a Rice Lake Weighing Systems sales representative to begin the design process!**

### Jacket Material:

- PVC
- Polyurethane
- Double-jacketed

### Conductors:

- Unlimited number
- Twisted pairs
- Color code
- Gauge

### Shielding:

- Braided
- Foil

### Jacket Colors:

- Black, brown, green, orange, red, blue, yellow, gray, natural

### Ink Colors:

- Black, white, silver, orange
- Custom logos

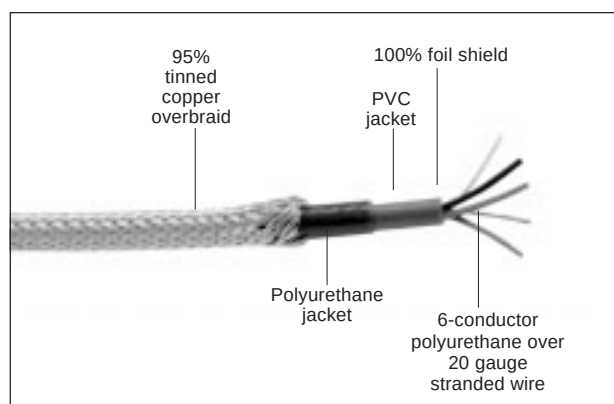
### Approvals:

- UL listed
- CSA

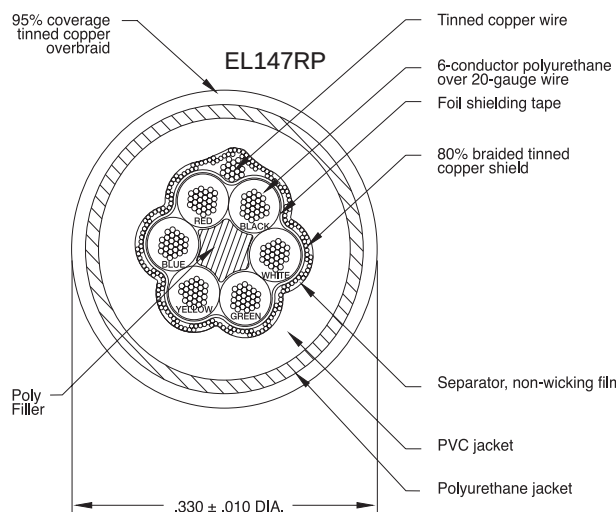
## EL147RP Rodent Protection Cable

- Tinned copper overbraid provides superior rodent and abrasion protection
- Enhanced EMI/RFI detergent
- 6-conductor industry-standard color code
- Ideal for truck and railroad track scales
- Diameter: .33" (8.38mm)

| PART #      | DESCRIPTION - CONTINUOUS FEET (METERS)/ROLL                    | LIST PRICE |
|-------------|----------------------------------------------------------------|------------|
| 53205 ..... | 50 (15.3) ..... 6-Conductor Hostile Environment Cable .....    | \$140.00   |
| 53204 ..... | 100 (30.5) ..... 6-Conductor Hostile Environment Cable .....   | \$275.00   |
| 53206 ..... | 250 (76.2) ..... 6-Conductor Hostile Environment Cable .....   | \$700.00   |
| 53207 ..... | 500 (152.4) ..... 6-Conductor Hostile Environment Cable .....  | \$1,400.00 |
| 53208 ..... | 1000 (304.8) ..... 6-Conductor Hostile Environment Cable ..... | \$2,700.00 |



**PART # 31475** ..... EL147RP  
Suggested List Price \$3.00/ft





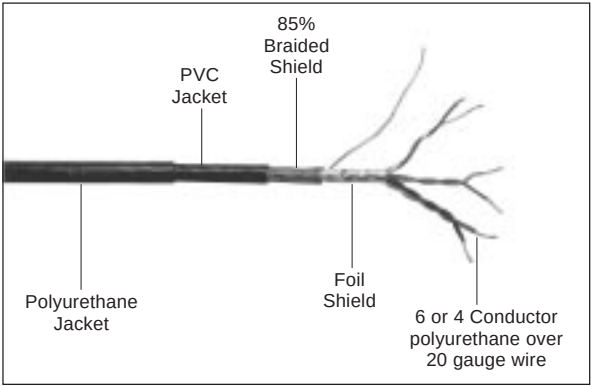
# Hardware and Accessories

## Hostile Environment Load Cell Cable

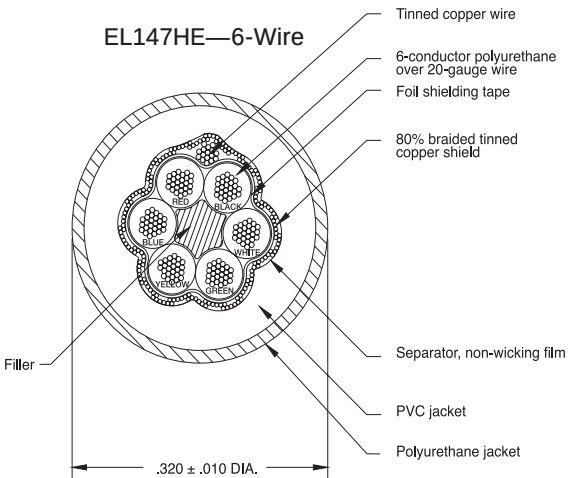
### EL146HE—4-Wire Load Cell Cable

### EL147HE—6-Wire Load Cell Cable

- Designed for use in hostile environments
- Polyurethane jacketing provides superior chemical and abrasion resistance
- RFI and EMI protected with foil overbraid shield
- Unmatched durability, yet extremely flexible
- All conductors are industry-standard color coded
- Diameter—EL146HE: 0.28" (7.1mm); EL147HE: 0.32" (8.1mm)
- The 6-wire cable is best suited for longer runs where remote sense lines can be used
- Use the 4-wire cable for repairing or extending existing cable



| PART #      | DESCRIPTION - CONTINUOUS FEET (METERS)/ROLL |         |                                             | SUGGESTED LIST PRICE |
|-------------|---------------------------------------------|---------|---------------------------------------------|----------------------|
| 15510 ..... | 100                                         | (30.5)  | 4-Conductor Hostile Environment Cable ..... | \$132.00             |
| 15511 ..... | 250                                         | (76.2)  | 4-Conductor Hostile Environment Cable ..... | \$315.00             |
| 15512 ..... | 500                                         | (152.4) | 4-Conductor Hostile Environment Cable ..... | \$620.00             |
| 15513 ..... | 1000                                        | (304.8) | 4-Conductor Hostile Environment Cable ..... | \$1,150.00           |
| 15494 ..... | Custom Length                               |         | 4-Conductor Hostile Environment Cable ..... | \$1.35/ft            |
| 15520 ..... | 100                                         | (30.5)  | 6-Conductor Hostile Environment Cable ..... | \$170.00             |
| 15521 ..... | 250                                         | (76.2)  | 6-Conductor Hostile Environment Cable ..... | \$412.00             |
| 15522 ..... | 500                                         | (152.4) | 6-Conductor Hostile Environment Cable ..... | \$800.00             |
| 15523 ..... | 1000                                        | (304.8) | 6-Conductor Hostile Environment Cable ..... | \$1,580.00           |
| 15496 ..... | Custom Length                               |         | 6-Conductor Hostile Environment Cable ..... | \$1.80/ft            |

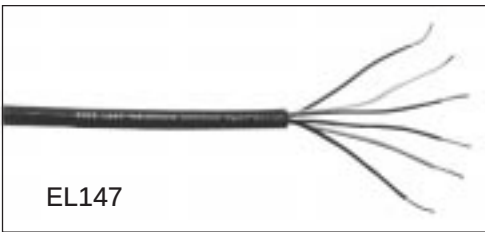
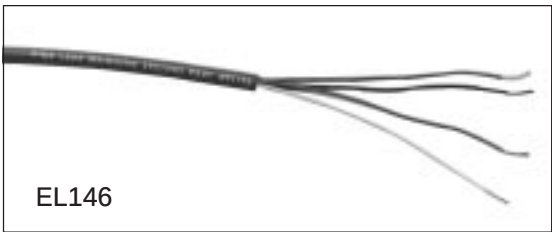


## Standard Load Cell Cable

### EL146—4-Wire Load Cell Cable

### EL147—6-Wire Load Cell Cable

- 20 AWG tinned copper wire stranded for flexibility
- Braided shielding is encased in red PVC
- All conductors are industry-standard color coded
- Diameter—EL146: 0.25" (6.4mm); EL147: 0.29" (7.4mm)
- The 6-wire cable is best suited for longer runs where remote sense lines can be used
- Use the 4-wire cable for repairing or extending existing cable



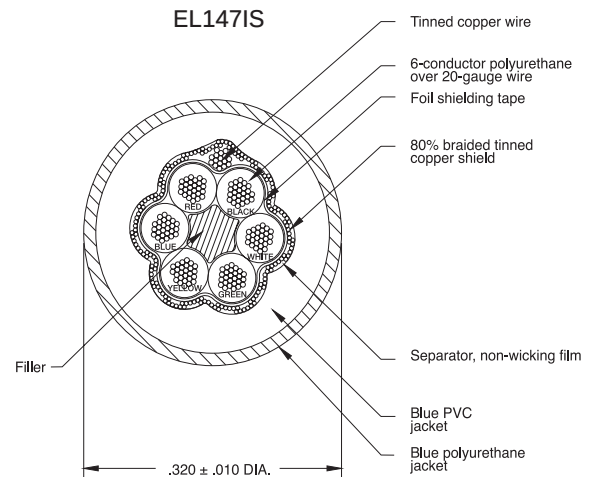
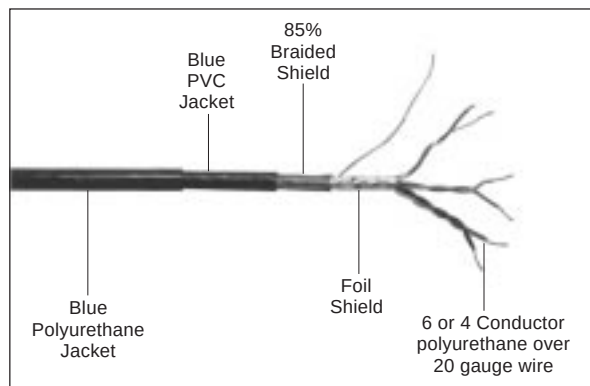
| PART #      | DESCRIPTION - CONTINUOUS FEET (METERS)/ROLL |         |                         | SUGGESTED LIST PRICE |
|-------------|---------------------------------------------|---------|-------------------------|----------------------|
| 15505 ..... | 100                                         | (30.5)  | 4-Conductor Cable ..... | \$75.00              |
| 15506 ..... | 250                                         | (76.2)  | 4-Conductor Cable ..... | \$180.00             |
| 15507 ..... | 500                                         | (152.4) | 4-Conductor Cable ..... | \$350.00             |
| 15508 ..... | 1000                                        | (304.8) | 4-Conductor Cable ..... | \$660.00             |
| 15493 ..... | Custom Length                               |         | 4-Conductor Cable ..... | \$0.80/ft            |
| 15515 ..... | 100                                         | (30.5)  | 6-Conductor Cable ..... | \$148.00             |
| 15516 ..... | 250                                         | (76.2)  | 6-Conductor Cable ..... | \$360.00             |
| 15517 ..... | 500                                         | (152.4) | 6-Conductor Cable ..... | \$690.00             |
| 15518 ..... | 1000                                        | (304.8) | 6-Conductor Cable ..... | \$1,340.00           |
| 15495 ..... | Custom Length                               |         | 6-Conductor Cable ..... | \$1.50/ft            |



# Hardware and Accessories

## EL147IS Hazardous Environment Blue Jacket Cable

- Designed for intrinsically safe applications (must be wired according to Factory Mutual System-approved diagram)
- Polyurethane over PVC double jacketing provides superior chemical and abrasion resistance
- Both foil and braided wire shields for added RFI and EMI protection
- 6 conductors are industry-standard color coded
- Diameter— 0.32" (8.1mm)
- Suited for longer runs where remote sense lines can be used



**PART # 32817** ..... EL147IS  
Suggested List Price \$2.50/ft

## EL144 Communications Cable

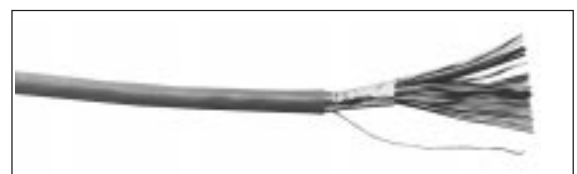
- 2-conductor with bare ground
- RFI/EMI protected with foil shield
- Perfect for RS-232, 2-wire RS-485, and 20 mA current loop communications
- Diameter: 0.19" (4.8mm)



**PART # 32803** ..... EL144  
Suggested List Price \$0.50/ft

## BCD Cable

- Sheathed in gray PVC
- Mylar aluminum foil shield with stranded tinned copper drain wire
- 24 AWG, 30-conductor, stranded tinned copper conductor with PVC insulation
- Diameter: 0.375" (9.5mm)



**PART # 15497** ..... BCD  
Suggested List Price \$9.00/ft

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Prices & Specifications subject to change without notice

# Hardware and Accessories

## SURVIVOR® EL620HE High Temperature Cable

- Multiconductor overall foil and braid shield
- Suitable for high temperatures up to 392°F (200°C)
- Insulation thickness - 0.010" (0.25mm)
- Jacket thickness - 0.017" (0.43mm)
- 18 gauge, tinned copper conductors
- Teflon® jacket, resistant to chemical corrosion and high temperature
- Beldfoil aluminum-polyester shield with 85% tinned copper braid shield
- 150V NEC 725 Class 2 classified for use in an airplenum non-conduit

*Teflon is a registered trademark of E.I. DuPont.*

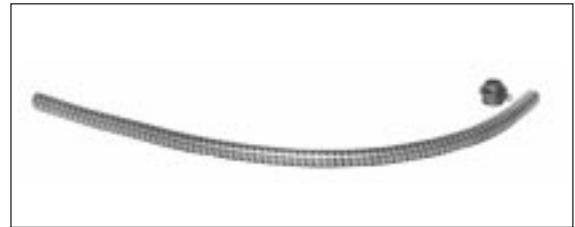
### 6 Wire Load Cell Cable



**PART # 15605** ..... EL620HE  
Suggested List Price \$5.00/ft

## SURVIVOR® Cable Armor

- Flexible all metal protective armor
- Ideal for protecting load cell cable from mechanical abrasion or rodents
- Available in stainless steel and galvanized steel
- 0.5" (12.7mm) internal diameter, 2.0" (50.8mm) minimum bend radius
- Optional end fitting with 1/2" male pipe thread



**PART # 17808** ..... Galvanized Steel  
Suggested List Price \$1.95/ft

**PART # 17806** ..... Stainless Steel  
Suggested List Price \$3.95/ft

**PART # 17807** ..... Optional End Fitting  
Suggested List Price \$1.00 each

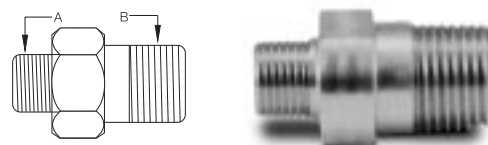
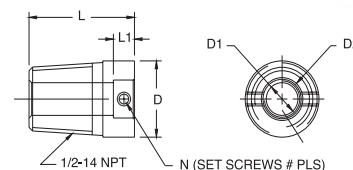
## Load Cell Conduit Adapters

- Used to adapt conduit to load cells
- 303 stainless steel

| PART #                      | DIMENSIONS - INCHES (MILLIMETERS) |                   |                  |                  |                 | SUGGESTED LIST PRICE |
|-----------------------------|-----------------------------------|-------------------|------------------|------------------|-----------------|----------------------|
|                             | D                                 | D1                | D2               | L                | L1              |                      |
| Clamp-On                    |                                   |                   |                  |                  |                 |                      |
| 17680* .. 1.38 (35.1) ..... | .44 (11.2) ..                     | 1.00 (25.4) ..... | 1.69 (42.9) ..   | .72 (18.3) ..... | \$35.00         |                      |
| 17681 .....                 | .85 (21.6) .....                  | .38 (9.7) .....   | .44 (11.2) ..... | 1.25 (31.8) ..   | .38 (9.7) ..... | \$25.00              |

| PART #      | DIMENSIONS       |                  | SUGGESTED LIST PRICE |
|-------------|------------------|------------------|----------------------|
|             | A                | B                |                      |
| Thread-On   |                  |                  |                      |
| 31533 ..... | 3/8-24 UNF ..... | — .....          | \$15.00              |
| 31534 ..... | — .....          | 1/4-18 NPT ..... | \$15.00              |
| 31535 ..... | 5/8-18 UNF ..... | 1/2-14 NPT ..... | \$30.00              |

NOTE: 31533 and 31534 are used together to form male-to-male adapter.



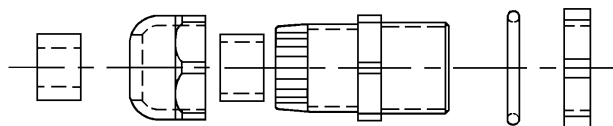
USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice

# Hardware and Accessories

## Cord Grip Assemblies

- Assemblies include cord grip, locknut, "O"-ring seal, gray and black reducer glands
- Fittings are made of weather- and corrosion-resistant nylon



| PART #      | THREAD        | PANEL HOLE<br>DIAMETER-INCHES (MM) | GLAND CABLE RANGES—INCHES (MILLIMETERS) |                               | SUGGESTED<br>LIST PRICE |
|-------------|---------------|------------------------------------|-----------------------------------------|-------------------------------|-------------------------|
|             |               |                                    | REGULAR (BLACK)                         | REDUCER (GRAY)                |                         |
| 15669 ..... | PCN9 .....    | .625 (15.9) .....                  | .157 - .314 (4.0 - 8.0) .....           | .118 - .236 (3.0 - 6.0) ..... | \$3.00                  |
| 15670 ..... | 3/8 NPT ..... | .687 (17.4) .....                  | .157 - .314 (4.0 - 8.0) .....           | .118 - .236 (3.0 - 6.0) ..... | \$3.00                  |
| 15671 ..... | 1/2 NPT ..... | .844 (21.4) .....                  | .236 - .472 (6.0 - 12.0) .....          | .200 - .354 (5.1 - 9.0) ..... | \$3.00                  |

## EL214 Cable Splicing Kit

- Designed for a complete, professional transducer cable splice
- Prevents moisture from entering the load cell through the cable connector
- Each kit contains a high-impact plastic splicing box, liquid-tight cable fittings, circuit card, Teflon® sleeving, premeasured potting compound and complete instructions

### SPECIFICATIONS:

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| Dimensions:            | 3.00" W x 1.00" H x 1.50" D<br>(76.2mm W x 25.4mm H x 38.1mm D) |
| Mounting Centers:      | 2.50" (63.5mm)                                                  |
| Number of Connections: | 7                                                               |
| Cable Diameter:        | 0.187"-0.312" (4.7mm-7.9mm)                                     |
| Cure Time For Potting: | Epoxy-Polyamide resin cures in 2 hours at 73°F (23°C)           |

*Teflon is a registered trademark of E.I. DuPont.*



**PART # 15485** ..... EL214  
Suggested List Price \$70.00

## EL214T Cable Splicing Kit

- Designed to accommodate larger cables than the EL214; all other dimensions and performance features are the same

### SPECIFICATIONS:

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| Dimensions:            | 3.00" W x 1.00" H x 1.50" D<br>(76.2mm W x 25.4mm H x 38.1mm D) |
| Mounting Centers:      | 2.50" (63.5mm)                                                  |
| Number of Connections: | 7                                                               |
| Cable Diameter:        | 0.270"-0.480" (6.9mm-12.2mm)                                    |
| Cure Time For Potting: | Epoxy-Polyamide resin cures in 2 hours at 73°F (23°C)           |



**PART # 15486** ..... EL214T  
Suggested List Price \$80.00

# Hardware and Accessories

## EL215 Cable Splicing Kit

- Designed for use in weather-exposed or direct-burial locations
- Each kit contains plastic splicing tube, circuit board, insulating resin and instructions

### SPECIFICATIONS:

|                        |                                               |
|------------------------|-----------------------------------------------|
| Dimensions:            | 1.375" dia x 6.0" long (34.9mm dia x 152.4mm) |
| Number of Connections: | 7                                             |
| Cable Diameter:        | up to .75" (19.1mm)                           |
| Cure Time For Potting: | 2 hours at 70°F (21°C)                        |



**PART # 15612** ..... EL215  
Suggested List Price \$50.00

## Flintec Load Cell Cable Replacement Kits

- Each kit includes cable for four Flintec SB4 or UB1 load cells as listed

| PART # | DESCRIPTION                                      | CABLE LENGTH EA.<br>FEET (METERS) | SUGGESTED<br>LIST PRICE |
|--------|--------------------------------------------------|-----------------------------------|-------------------------|
| 18412  | ..... For SB4, 225-5200lb (102.1-2358.7kg) ..... | 10' (3.1m)                        | \$295.00                |
| 18413  | ..... For SB4, 11,250-22,500 lb .....            | 15' (4.6m)                        | \$325.00                |
| 18414  | ..... For UB1 .....                              | 20'(6.1m)                         | \$365.00                |



# Junction Boxes

## EL210—Excitation Trim Junction Box



Part # 21162 ..... EL210  
Suggested List Price \$235.00

### APPLICATIONS:

- Floor Scales
- Tank, hopper or vehicle scales
- Summing 2, 3 or 4 cells with trim capability

### STANDARD FEATURES:

- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Strain relief cable fittings

### Number of cells:

- 2 to 4 single cells
- 4 to 8 load cells parallel connected
- Expansion port

### ACCESSORIES:

29846 ..... EL210 manual ..... Suggested List Price \$5.00  
23123 ..... Circuit board only .... Suggested List Price \$180.00

## EL211A—Signal Trim Junction Box



Part # 23133 ..... EL211A  
Suggested List Price \$245.00

### APPLICATIONS:

- Floor Scales
- Tank, hopper or vehicle scales
- Can be used with gated power supplies
- Corner and/or section trim applications

### STANDARD FEATURES:

- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Strain relief cable fittings

### Number of cells:

- 2 or 4 single cells (even number of cells only)
- 4 or 8 load cells parallel connected
- Any unused channels require modification
- Expansion port

### ACCESSORIES:

29848 ..... EL211A manual ..... Suggested List Price \$5.00  
23124 ..... Circuit board only .... Suggested List Price \$190.00

## EL304A—Signal Trim Junction Box



Part # 21169 ..... EL304A  
Suggested List Price \$235.00

### APPLICATIONS:

- Livestock scales
- Vehicle and railroad track scales
- Corner and/or section trim applications

### STANDARD FEATURES:

- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Strain relief cable fittings
- Individual cell signal disconnect switches

### Number of cells:

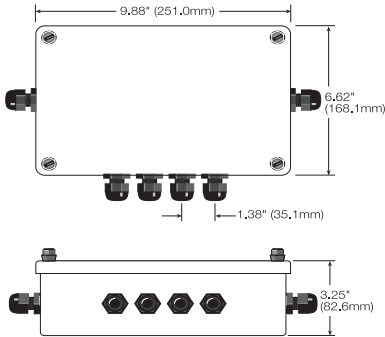
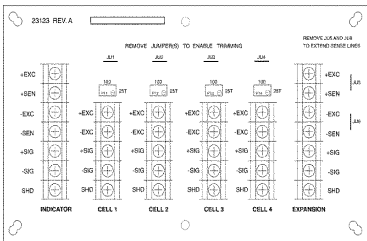
- 2 or 4 single cells (even number of cells only)
- Expansion port

### ACCESSORIES:

16937 ..... EL304A manual ..... Suggested List Price \$5.00  
21301 ..... Circuit board only .... Suggested List Price \$180.00

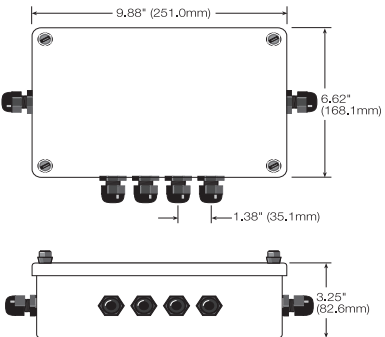
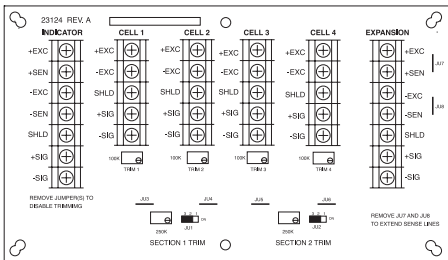
EL210

- Cable Fittings: (4) nylon 0.079"-0.314"/2.0mm-8.0mm cable strain reliefs  
(2) nylon 0.236"-0.472"/6.0mm-12.0mm cable strain reliefs
- Connectors: #6 SEMS screw type, accepts spade lugs, tinned leads or bare wires up to #12 AWG
- Trimming: Individual cell, excitation trim. Three ranges: no trim, 0-37 ohms or 0-100 ohms
- Potentiometers: 100 ohms, 25-turn cermet
- Enclosure: Fiberglass-Reinforced Polyester (FRP), NEMA 4X, 40 PSI washdown
- Circuit Board: 8" x 4.625"/203.2mm x 117.5mm with anti-fungal coating



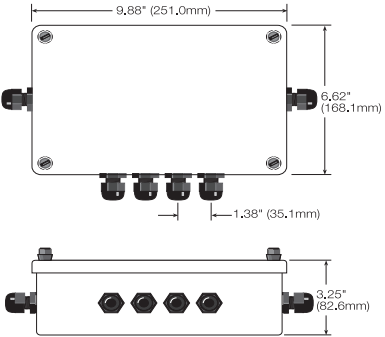
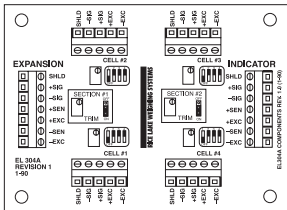
EL211A

- Cable Fittings: (4) nylon 0.079"-0.314"/2.0mm-8.0mm cable strain reliefs  
(2) nylon 0.236"-0.472"/6.0mm-12.0mm cable strain reliefs
- Connectors: #6 SEMS screw type, accepts spade lugs, tinned leads or bare wires up to #12 AWG
- Trimming: Individual cell, signal trim, 2.7K ohms isolation resistors with a 2.7K ohms limiting resistor
- Potentiometers: 100K ohms, 25-turn cermet
- Enclosure: Fiberglass-Reinforced Polyester (FRP), NEMA 4X, 40 PSI washdown
- Circuit Board: 8" x 4.625"/203.2mm x 117.5mm with antifungal coating



EL304A

- Cable Fittings: (4) nylon 0.079"-0.236"/ 2.0mm-6.0mm cable strain reliefs  
(2) nylon 0.236"-0.354"/6.0mm-9.0mm cable strain reliefs
- Connectors: Electrovert 0.197"/5.0mm miniature screw terminals. Maximum wire size #14 AWG
- Trimming: Individual cell & section, signal trim, 2.5K ohms isolation resistors, switch selectable limiting resistors
- Potentiometers: 100K ohms, 25-turn cermet
- Enclosure: Fiberglass-Reinforced Polyester (FRP), NEMA 4X, 40 PSI washdown
- Circuit Board: 5.5" x 4"/139.7mm x 101.6mm



Junction Boxes

# Junction Boxes

## EL604STA–Signal Trim Junction Box



Part # 23127 ..... EL604STA  
Suggested List Price \$220.00

### APPLICATIONS:

- Floor Scales
- Limited space installations

### STANDARD FEATURES:

- Stainless Steel, NEMA 4X enclosure
- Strain relief cable fittings
- High stability non-zero interactive trim

### Number of cells:

- 2 to 4 single cells
- Any unused channels require modification

### ACCESSORIES:

29978 ..... EL604STA manual ..... Suggested List Price \$5.00  
23126 ..... Circuit board only .... Suggested List Price \$140.00

## EL604ETA–Excitation Trim Junction Box



Part # 23129 ..... EL604ETA  
Suggested List Price \$220.00

### APPLICATIONS:

- Floor Scales
- Limited space installations
- Summing 2, 3 or 4 cells with trim capability

### STANDARD FEATURES:

- Stainless Steel, NEMA 4X enclosure
- Strain relief cable fittings

### Number of cells:

- 2 to 4 single cells

### ACCESSORIES:

29980 ..... EL604ETA manual ..... Suggested List Price \$5.00  
23128 ..... Circuit board only .... Suggested List Price \$140.00

## JB 808S–Signal Trim Junction Box



Part # 21170 ..... JB 808S  
Suggested List Price \$395.00

The JB 808S Signal Trim Junction Box can be used with up to eight load cells. Load cell output can be trimmed individually, and/or in pairs by altering the jumpers to "section trim" position. The electronics are protected by a Fiberglass-Reinforced Polyester enclosure meeting NEMA 4X standards. Designed for hosedown use, the enclosure will withstand 40 PSI water pressure, but is not submersible.

### APPLICATIONS:

- Truck and railroad scales
- Summing 2, 4, 6 or 8 cells with individual and section trimming capability

### STANDARD FEATURES:

- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Strain relief cable fittings
- Section and individual cell trim capability
- Includes 6 filling plugs for unused fittings
- Fungal-resistant coating
- Large enclosure for plenty of working room
- Mounting hardware included

### Number of cells:

- 2, 4, 6 or 8 single load cells (even number of cells only)
- Any unused channels require modification

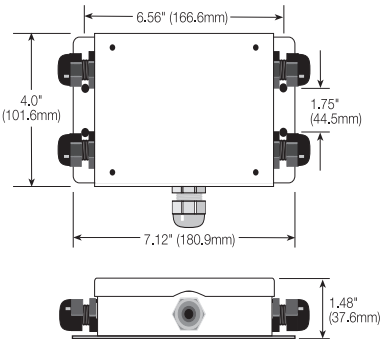
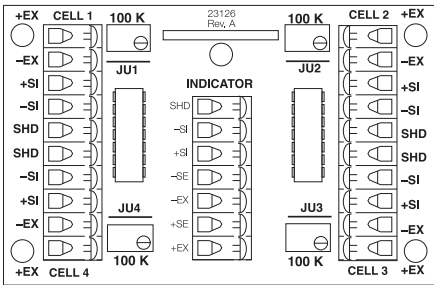
### ACCESSORIES:

16939 ..... JB 808S manual ..... Suggested List Price \$5.00  
21306 ..... Circuit board only .... Suggested List Price \$345.00



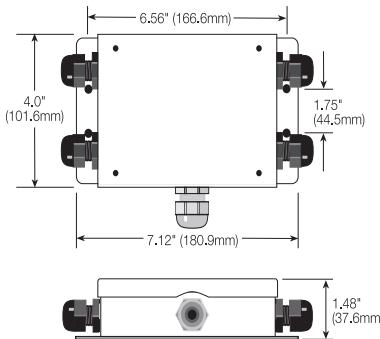
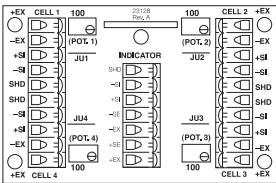
EL604STA

- Cable Fittings: (4) nylon 0.079"-0.314"/2.0mm-8.0mm cable strain reliefs  
(1) nylon 0.236"-0.472"/6.0mm-12.0mm cable strain reliefs
- Connectors: WAGO 256-4XX, Maximum wire size #14 AWG
- Trimming: Individual cell, signal trim, 2.7K ohms isolation resistors with a 2.7K limiting resistor
- Potentiometers: 100K ohms, 25-turn cermet
- Enclosure: Stainless Steel NEMA 4X, 40 PSI washdown
- Circuit Board: 3.8" x 2.3"/96.5mm x 58.4mm with antifungal coating



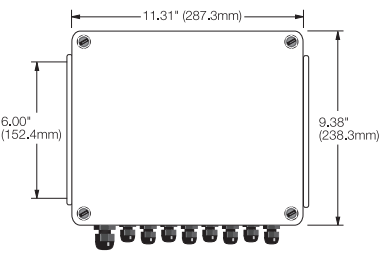
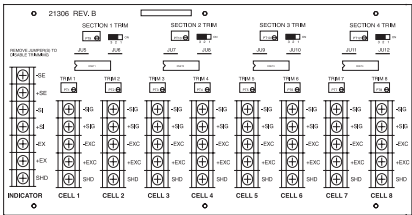
EL604ETA

- Cable Fittings: (4) nylon 0.079"-0.314"/2.0mm-8.0mm cable strain reliefs  
(1) nylon 0.236"-0.472"/6.0mm-12.0mm cable strain reliefs
- Connectors: WAGO 256-4XX, Maximum wire size #14 AWG
- Trimming: Individual cell, excitation trim.
- Potentiometers: 100 ohms, 25-turn cermet
- Enclosure: Stainless Steel NEMA 4X, 40 PSI washdown
- Circuit Board: 3.8" x 2.3"/96.5mm x 58.4mm with antifungal coating



JB 808S

- Cable Fittings: (8) nylon 0.375"/9.5mm NPT cable strain reliefs for cable dimension range: 0.079" to 0.314"/2.0mm to 8.0mm  
(1) nylon 0.5"/12.7mm NPT cable strain reliefs for cable dimension range: 0.236" to 0.472"/6.0mm to 12.0mm
- Connectors: #6 SEMS screw type, accepts spade lugs, tinned leads or bare wires up to #12 AWG
- Trimming: Individual cell, signal trim; sections, signal trim 2.7K isolation resistors with 2.7K limiting resistor
- Potentiometers: 100K ohms, 25-turn cermet
- Enclosure: Fiberglass-Reinforced Polyester (FRP), NEMA 4X, 40 PSI washdown
- Circuit Board: 9.0" x 4.7"/228.6mm x 119.4mm with antifungal coating



Junction Boxes



# Junction Boxes

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## JB1010 - Signal/Excitation Trim Junction Box with Transient Protection



Part # 36231 ..... JB1010  
Suggested List Price \$525.00

### APPLICATIONS:

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- Tank, truck, railroad, hopper and floor scales
- Universal field replacement of existing boxes
- Paralleling load cells
- Expansion of existing scales

### STANDARD FEATURES:

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- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Load cell transient protection
- Signal or excitation trim
- Front panel mounting
- Strain relief cable fittings

### Number of cells:

- 1 through 10
- Trims odd numbers of cells without modification

### ACCESSORIES:

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36329 ..... JB1010 manual ..... Suggested List Price \$25.00  
36351 ..... Circuit board only .... Suggested List Price \$390.00

## EL504 - Signal Trim Junction Box



Part # 21165 ..... EL504  
Suggested List Price \$295.00

### APPLICATIONS:

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- Truck scales
- Floor scales
- Limited space installations

### STANDARD FEATURES:

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- Stainless Steel, NEMA 4X enclosure
- Strain relief cable fittings
- Removable connectors for easy wiring

### Number of cells:

- 2 to 4 single cells
- Any unused channels require modification

### ACCESSORIES:

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21296 ..... Circuit board only ..... Suggested List Price \$240.00

## EL168 - 1 Cell Junction Box



Part # 21161 ..... EL168  
Suggested List Price \$45.00

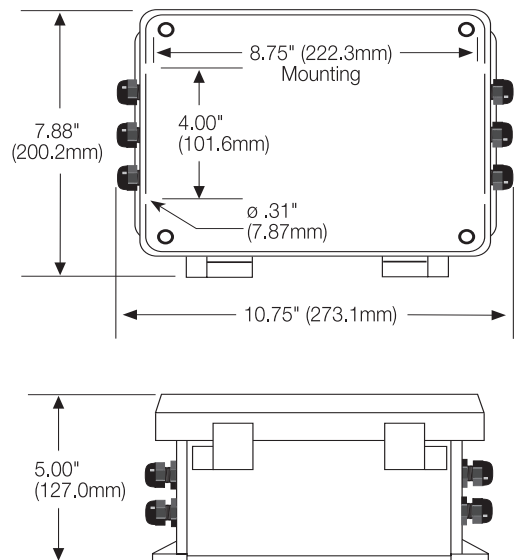
### APPLICATIONS:

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- Ideal for splicing or extending load cell cable
- Nonmetallic NEMA 4X enclosure with separate input and output cable fittings
- No soldering, compression or swagged fittings are required

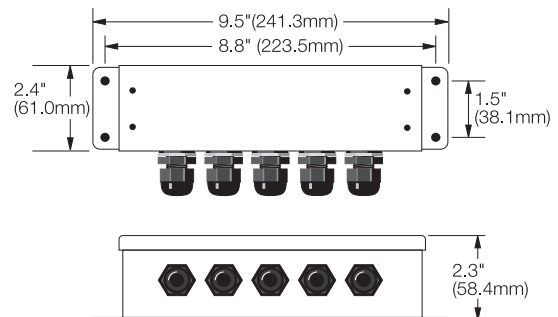
## JB1010

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable Fittings: | (12) nylon 0.375"/9.5mm NPT 0.157"-0.314"/<br>3.99mm - 7.98mm                                                                                             |
| Connectors:     | Wago® screwless; pluggable and screw type are also available                                                                                              |
| Trimming:       | Selectable; signal trim with 1K ohm or 2.5K ohms isolation,<br>section trim, excitation trim (plus, minus or both), individual and<br>excitation, or none |
| Potentiometers: | 100K ohms, 22-turn cermet                                                                                                                                 |
| Enclosure:      | Fiberglass-Reinforced Polyester (FRP), NEMA 4X                                                                                                            |
| Circuit Board:  | 6.75" x 4.75"/171.5mm x 120.7mm with antifungal coating                                                                                                   |



## EL504

|                 |                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Cable Fittings: | (5) nylon 0.187"-0.312"/4.7mm-7.9mm cable strain reliefs                                                                            |
| Connectors:     | Electrovert 0.197"/5.0mm miniature two piece connectors.<br>Maximum wire size #14 AWG, connectors are removable for<br>easy wiring. |
| Trimming:       | Individual cell, signal trim, 2.5K ohms isolation resistors with a<br>10K limiting resistor                                         |
| Potentiometers: | 100K ohms, 25-turn cermet                                                                                                           |
| Enclosure:      | Stainless Steel NEMA 4X, 40 PSI washdown                                                                                            |
| Circuit Board:  | 6.5" x 1.5"/165.1mm x 38.1mm with antifungal coating                                                                                |



## EL168

|                   |                                                                                   |
|-------------------|-----------------------------------------------------------------------------------|
| Dimensions:       | 3.75" W x 3.75" H x 3" D/95.3mm W x 95.3mm H x 76.2mm D                           |
| Mounting Centers: | 3.75" x 2.31"/95.2mm x 58.7mm                                                     |
| Cable Fittings:   | Nylon waterproof strain-relief type                                               |
| Cable Diameter:   | 0.079"-0.315"/2.0mm-8.0mm                                                         |
| Terminal Block:   | Rated 300 V/15A; 7-position, screw terminal can each<br>accommodate up to #16 AWG |

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USA: 800-472-6703 • Canada/Mexico: 800-321-6703 • International: 715-234-9171

Prices & Specifications subject to change without notice

# Additional Accessories

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## TP75-DC Transient Protection



Part # 33185 ..... TP75  
Suggested List Price \$195.00

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### APPLICATIONS:

- Protects load cells and indicators from voltage transients
- Tank, bin, hopper and reactor weighing
- Truck and railroad track scales
- Suitable for outdoor use

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### STANDARD FEATURES:

- Avalanche diode design
- Full 6-wire with shield protection
- NEMA 4X enclosure
- Unlimited number of load cells wired in parallel; up to 8 wired in series
- Terminal lugs provided

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### ACCESSORIES:

31164 ..... Circuit board only ... Suggested List Price \$159.00

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## UJB3T6 - DC Transient Protection



Part # 21134 ..... UJB3T6  
Suggested List Price \$250.00

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### APPLICATIONS:

- Protects load cells from voltage transients
- Compatible with signals down to 1μVgrad
- Installations exposed to significant transients
- Protects serial communication lines

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### STANDARD FEATURES:

- Factory serviceable
- Full 6-wire with shield protection
- Terminal strip interface
- Up to 8 parallel or summed load cells
- 50 Kbaud maximum transmission frequency
- Up to 6 serial data lines can also be protected

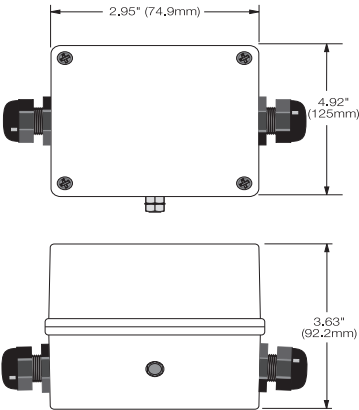
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### ACCESSORIES:

21135 ..... Circuit board only ..... Suggested List Price \$190.00

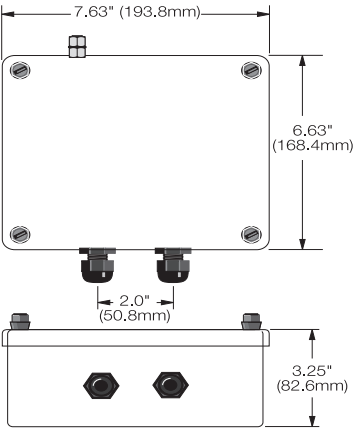
TP75

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| Protection Type:       | Six channel series type with separate shield                           |
| Excitation Voltage:    | 22.8 VDC Maximum                                                       |
| Response Time:         | 5 nanoseconds                                                          |
| Peak Surge Currents:   | 100 amps                                                               |
| Series Resistance:     | 0.0 ohms                                                               |
| Series Inductance:     | 0.0 μh                                                                 |
| Grounding:             | 10 AWG wire or larger (not provided)                                   |
| Cable Fitting:         | (2) nylon strain relief for 0.187"-0.312" (4.7mm-7.9mm) diameter cable |
| Enclosure:             | Impact-resistant polycarbonate, NEMA 4X, maximum 40 psi washdown       |
| Operating Temperature: | -4°F to 185°F/ -20°C to 85°C                                           |
| Circuit Board:         | 2.22" x 2.22"/56.4mm x 56.4mm                                          |
| Dimensions:            | 4.38" W x 3.15" H x 3.38" D/111.1mm W x 80mm H x 85.9mm D              |



UJB3T6

|                                   |                                                                         |
|-----------------------------------|-------------------------------------------------------------------------|
| Protection Type:                  | Six channel series type with separate shield                            |
| Excitation Voltage:               | 20V AC/DC Maximum                                                       |
| Clamping Voltage:                 | 75V AC/DC                                                               |
| Clamping Time:                    | 75 VDC Stages <100 nanoseconds typical                                  |
| Peak Surge Currents:              | 75 VDC Stage - 5000 amperes                                             |
| Maximum Serial Transmission Rate: | 50 Kbaud                                                                |
| Series resistance:                | 0.219 ohms typical                                                      |
| Series inductance:                | 110μh typical                                                           |
| Grounding:                        | Through a 1/4 lug to a 20'/6.1m insulated #10 AWG ground wire provided  |
| Cable Fitting:                    | (2) nylon strain relief for 0.079"-0.236"/2.0mm-6.0mm diameter cable    |
| Enclosure:                        | Fiberglass-Reinforced Polyester (FRP), NEMA 4X, maximum 40 PSI washdown |
| Operating Temperature:            | 14°F to 104°F/-10°C to 40°C                                             |
| Circuit Board:                    | 6.75" x 4.75"/171.5mm x 120.7mm with antifungal coating                 |



# Special Requirement Order Form

While we currently offer the most comprehensive selection of standard load cells and sensors available, we also understand that unique opportunities for custom applications and products exists. We have extensive experience working with our customers to develop products for special applications. Just fill out the form below, and fax it to our team of seasoned professionals who will evaluate the design and manufacturing process. You will be contacted immediately with the results of our research.

Customer Number: \_\_\_\_\_

Estimated Annual Requirement \_\_\_\_\_

Customer Name: \_\_\_\_\_

Date Required: \_\_\_\_\_

Contact: \_\_\_\_\_

## Type of Product: (Circle one)



S-Type



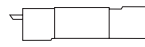
Shear Beam



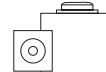
Cantilever  
Bending Beam



Double Ended  
Beam



Single Point



Canister



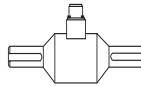
Low Profile  
Sensor



Load Pin



Load Link



Torque Cell



Pressure Transducer



Strain  
Gauge



Spring

Describe the application: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Are there any load cell or system certifications necessary?

NTEP \_\_\_\_\_ FM \_\_\_\_\_

OIML \_\_\_\_\_ UL \_\_\_\_\_

CE \_\_\_\_\_ USDA \_\_\_\_\_

### What are the ideal dimensions for this product?

Height \_\_\_\_\_

Width \_\_\_\_\_

Length \_\_\_\_\_

### What are the specification requirements?

Full Scale Output: \_\_\_\_\_ mV/V

Bridge Resistance: \_\_\_\_\_ ohms, nominal

Nonlinearity: \_\_\_\_\_ % Full Scale

Hysteresis: \_\_\_\_\_ % Full Scale

Insulation Resistance: \_\_\_\_\_ megohms

Cable Length: \_\_\_\_\_ ft

Connector Type: \_\_\_\_\_

Operating Temperature Range: \_\_\_\_\_

Are there any other requirements? \_\_\_\_\_

\_\_\_\_\_

Do you have a target cost for the product? \_\_\_\_\_

Material: Stainless \_\_\_\_\_

Mild Steel \_\_\_\_\_

Aluminum \_\_\_\_\_

Other \_\_\_\_\_

Sealing Type: Hermetic: \_\_\_\_\_

Welded: \_\_\_\_\_

Environmental: \_\_\_\_\_

Other: \_\_\_\_\_

Fax: 715-234-6967

Attention: Load Cell Business Unit

**RICE LAKE WEIGHING SYSTEMS**

Industrial Solutions on a Global Scale®

# Load Cell Mounting Hardware Safety Guidelines

Install only load cell mounting hardware and assemblies that have been specifically designed for use in tank, hopper or hanging scale applications. Often, the use of an inferior-grade product results in component failure, which risks equipment damage and personal injury. These simple suggestions are provided to help minimize your exposure to vessel scale installation hazards.

## 1. Estimating Gross Load

To select the correct load cell or load cell hardware for a given application, it is necessary to know the total weight on the scale—including the net weight of product, the tare weight of the vessel, and the weight of the platform, tank, or hopper, as appropriate.

## 2. Safe Load

Do not exceed the safe load figures listed in Rice Lake Weighing Systems' catalog for any load cell hardware. Where shock loads are present, it may be necessary to derate these safe load figures, depending on the severity of the shock load.

## 3. Load Distribution

In multiple load cell applications, the weight must be evenly distributed between all cells.

## 4. Threaded Connections

Check that all threads of a threaded connection are in engagement. For example, an eye bolt screwed into an S-type load cell should protrude slightly on the opposite side.

## 5. Jam Nuts

All threaded connections must be locked with jam nuts against inadvertent disassembly. If a load is suspended from a single load cell, it is critical that the load cannot rotate, as this may loosen the jam nut.

## 6. Wire Rope Assemblies

With wire rope assemblies, do not twist the rope during assembly or disassembly. For example, do not remove a frozen nut from one end of a rope assembly by holding the opposite end.

## 7. Attachment Points of a Load Cell Hardware Assembly

The attachment points of a load cell hardware assembly must be aligned properly, and the assembly should be essentially vertical.

## 8. Swaying in a Suspended Vessel Scale

If there is excessive swaying in a suspended vessel scale, apply horizontal checking to reduce the amplitude.

## 9. Safety Backup

If failure of one or more load cell hardware assemblies could cause injury or damage, a safety backup (safety chains, safety rods, etc.) must be used. The assemblies should be inspected routinely for damage, excessive wear or corrosion, and replaced if necessary.

## 10. Hopper Scales: Guarding Against Contamination

With hopper scales, guard against contamination of the product being weighed as a result of the failure of the load cell or hardware assembly. For example, do not locate a wire rope assembly over a hopper scale where broken strands of wire could fall into the weighing vessel, contaminating the product being weighed.

## 11. Selecting Steel Rod or Any Other Weight-Bearing Components

Select steel rod or any other weight-bearing components so that their minimum tensile strength is at least four times the total weight carried by that component. Note that threaded rod is generally made from a low tensile-strength mild steel which should be checked for tensile strength before use in any suspended vessel scale.

# Limited Warranty

---

Rice Lake Weighing Systems (RLWS) warrants that all RLWS brand load cells properly installed by a Distributor or Original Equipment Manufacturer (OEM) will operate per written specifications. All load cell products are warranted against defects in materials and workmanship for two (2) years. Products marked as “waterproof” are warranted against defects in materials and workmanship relating to moisture ingress.

RLWS warrants that the equipment sold hereunder will conform to the current written specifications authorized by RLWS. RLWS warrants the equipment against faulty workmanship and defective materials. If any equipment fails to conform to these warranties, RLWS will, at its option, repair or replace such goods returned within the warranty period subject to the following conditions:

1. Upon discovery by Buyer of such nonconformity, RLWS will be given prompt written notice with a detailed explanation of the alleged deficiencies.
2. Examination of such equipment by RLWS confirms that the nonconformity actually exists, and was not caused by accident, misuse, neglect, alteration, improper installation, improper repair or improper testing; RLWS shall be the sole judge of all alleged non-conformities.
3. Such equipment has not been modified, altered, or changed by any person other than RLWS or its duly authorized repair agents.
4. RLWS will have a reasonable time to repair or replace the defective equipment. Buyer is responsible for shipping charges both ways.
5. In no event will RLWS be responsible for travel time or on-location repairs, including assembly or disassembly of equipment, nor will RLWS be liable for the cost of any repairs made by others.

**THESE WARRANTIES EXCLUDE ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEITHER RLWS NOR DISTRIBUTOR WILL, IN ANY EVENT, BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

**RLWS AND BUYER AGREE THAT RLWS SOLE AND EXCLUSIVE LIABILITY HEREUNDER IS LIMITED TO REPAIR OR REPLACEMENT OF SUCH GOODS. IN ACCEPTING THIS WARRANTY, THE BUYER WAIVES ANY AND ALL OTHER CLAIMS TO WARRANTY.**

**SHOULD THE SELLER BE OTHER THAN RLWS, THE BUYER AGREES TO LOOK ONLY TO THE SELLER FOR WARRANTY CLAIMS.**

No terms, conditions, understanding, or agreements purporting to modify the terms of this warranty shall have any legal effect unless made in writing and signed by a corporate officer of RLWS and the Buyer.

Rice Lake Weighing Systems  
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Rice Lake , Wisconsin 54868 USA

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# WIRING COLOR GUIDE

| Manufacturer                                                             | Models                                                                                      | Excitation |       | Signal |       | Shield           | Sense  |       |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------|-------|--------|-------|------------------|--------|-------|
|                                                                          |                                                                                             | +          | -     | +      | -     |                  | +      | -     |
| Advanced Transducers                                                     |                                                                                             | Red        | Black | Green  | White | Bare             |        |       |
| Allegany Technology                                                      |                                                                                             | Green      | Black | Red    | White | Bare             |        |       |
| Artech                                                                   |                                                                                             | Red        | Black | Green  | White | Bare             |        |       |
| Beowulf                                                                  |                                                                                             | Green      | Black | White  | Red   | Bare             |        |       |
| BLH                                                                      | C2P1, C3P1, T2P1, T3P1                                                                      | Green      | Black | White  | Red   | Yellow           |        |       |
| Cardinal                                                                 |                                                                                             | Green      | Black | White  | Red   | Bare             |        |       |
| Celtron                                                                  | CSB, DSR, LOC, SQB, STC, STC SS, DSR, CLB, HED, DLB                                         | Red        | Black | Green  | White | Bare             |        |       |
|                                                                          | LPS                                                                                         | Red        | Blue  | Green  | White | Bare             |        |       |
|                                                                          | HOC, MOC                                                                                    | Green      | Black | Red    | White | Bare             | Blue   | Brown |
| Dillon                                                                   | Canister Cell, Tension                                                                      | Green      | White | Black  | Red   | Orange           |        |       |
|                                                                          | Compression                                                                                 | White      | Green | Black  | Red   | Orange           |        |       |
|                                                                          | Z-Cell                                                                                      | Red        | Black | White  | Green | Orange           |        |       |
| Electroscale                                                             |                                                                                             | Red        | Black | Green  | White | Bare             |        |       |
| Flintec (Flintab)                                                        | PC1, PC2, PC6, RC1, SB4, SB5, SB6, SB14, SLB, UB1, UB6, SB10, PCB                           | Green      | Black | White  | Red   | Yellow           |        |       |
| Force Measurement                                                        |                                                                                             | Red        | Black | Green  | White | Bare             |        |       |
| GSE                                                                      |                                                                                             | Red        | Black | White  | Green | Bare             |        |       |
| HBM                                                                      | BLC, BLF, JRT, PWS, RSC, SBF, SB3, USB, U1T, Z6                                             | Green      | Black | White  | Red   | Yellow           |        |       |
|                                                                          | BBS                                                                                         | Green      | Black | White  | Red   | Bare             |        |       |
|                                                                          | PLC, B35                                                                                    | Red        | Black | Green  | White | Yellow           |        |       |
|                                                                          | SP4                                                                                         | Green      | Black | White  | Red   | Yellow           | Orange | Blue  |
| Interface                                                                | SSM, 1200, 3200                                                                             | Red        | Black | Green  | White | Bare             |        |       |
| Kubota                                                                   |                                                                                             | Red        | White | Green  | Blue  | Yellow           |        |       |
| National                                                                 |                                                                                             | Green      | Black | White  | Red   | Yellow           |        |       |
| NCI                                                                      |                                                                                             | Red        | Black | White  | Green | Bare             |        |       |
| Pennsylvania                                                             |                                                                                             | Orange     | Blue  | Green  | White | Bare             |        |       |
| Phillips                                                                 |                                                                                             | Red        | Blue  | Green  | Grey  | Bare             |        |       |
| RevereTransducers<br>(Revere Corp. of<br>America)<br>(Transducers, Inc.) | 62HU, 63HU, 363, 953, 9523                                                                  | Red        | Black | Green  | White | Bare             |        |       |
|                                                                          | 92CC, 93CC, 42U, 43U, 263D, 462, 5102, 5103, 5123, 5223, 5723, 6762, 9102, 9103, 9123, 9363 | Red        | Black | Green  | White | Orange           |        |       |
|                                                                          | 392B, 642, 652, 692B2 BSP, HPS, USP1                                                        | Green      | Black | White  | Red   | Bare             |        |       |
|                                                                          | 792, 933, SHB, SSB                                                                          | Green      | Black | White  | Red   | Clear            |        |       |
|                                                                          | CP1, CSP1                                                                                   | Green      | Black | White  | Red   | Orange           |        |       |
|                                                                          | RLC                                                                                         | Pink       | Grey  | Brown  | White | Bare             |        |       |
|                                                                          |                                                                                             |            |       |        |       |                  |        |       |
| Rice Lake Weighing<br>Systems                                            | RL20000, RL20000SS, RL20001, RL20001HE, RL30000, RL35023, RL35023S                          | Red        | Black | Green  | White | Bare             |        |       |
|                                                                          | RL35082, RL35083, RL39123, RL39523, RL50210, RL65044, RL70000, RL75016                      |            |       |        |       |                  |        |       |
|                                                                          | RL75016SS, RL75040A, RL75058, RL75060, RL75223, RL90000, RLETB, RLETS                       |            |       |        |       |                  |        |       |
|                                                                          | RLHSS, RLMK4                                                                                |            |       |        |       |                  |        |       |
|                                                                          | RL50500, RL70000SS, RL71000HE, RL75016HE, RLMK15, RLMK21, RL75061                           | Red        | Black | Green  | White | Bare             |        |       |
|                                                                          | RLMK1                                                                                       | Red        | Black | White  | Green | Orange           | Yellow | Blue  |
|                                                                          | RL1521                                                                                      | Red        | Blue  | Green  | White | Bare             |        |       |
|                                                                          | RL40BBS, RLBLC, RLSB2, RLSB2L, RLSB2M, RLSB250, RLSSB, RLKIS                                | Green      | Black | White  | Red   | Bare             |        |       |
|                                                                          | RL8C2P1SS, RLCSP1, RL75000SS, RL30745                                                       | Green      | Black | White  | Red   | Orange           |        |       |
|                                                                          | RL1380, RL1385                                                                              | Green      | Black | White  | Red   | Yellow           |        |       |
|                                                                          | RL1010, RL1040, RL1042, RL1140, RL1250, RL1260                                              | Green      | Black | Red    | White | Bare             | Blue   | Brown |
|                                                                          | RLHBB, RLHTO                                                                                | Blue       | Black | White  | Red   | Bare             | Green  | Grey  |
|                                                                          | RL32155                                                                                     | White      | Blue  | Green  | Black | Orange           | Yellow | Red   |
| Sensotec                                                                 |                                                                                             | Red        | Black | White  | Green | Bare             |        |       |
| Sensortronics                                                            | 60001, 60008, 60018, 60030, 60036, 60040, 60048, 60048SS, 60050, 60051, 60060               | Red        | Black | Green  | White | Bare             |        |       |
|                                                                          | 60060-0101, 60063, 65007, 65016, 65016SS, 65016W, 65023, 65023S, 65023SS                    |            |       |        |       |                  |        |       |
|                                                                          | 65024, 65040A, 65040S, 65058, 65058S, 65061A, 65083, 65083S, 65114                          |            |       |        |       |                  |        |       |
|                                                                          | 60007, 60064                                                                                | Green      | Black | White  | Red   | Bare             |        |       |
|                                                                          | 65088-1000, 65088-1114                                                                      | Green      | Black | White  | Red   | Orange           |        |       |
| Strainert                                                                |                                                                                             | Red        | Black | Green  | White | Bare             |        |       |
| Tedeo Huntleigh                                                          | 4158                                                                                        | Red        | Black | Green  | White | Bare             |        |       |
|                                                                          | 3411, 3421                                                                                  | Red        | Black | Green  | White | Bare             |        |       |
|                                                                          | 240, 1010, 1022, 1040, 1042, 1140, 1250, 1260, 1320, 9010, 605, 1030, 1240, 1241            | Green      | Black | Red    | White | Bare             | Blue   | Brown |
|                                                                          | 355, 620, 3510                                                                              | Blue       | Black | White  | Red   | Bare             | Green  | Grey  |
| Toledo                                                                   |                                                                                             | Green      | Black | White  | Red   | Yellow           |        |       |
| Weigh-Tronix                                                             |                                                                                             | Green      | Black | White  | Red   | White/<br>Orange |        |       |

**USA: 800-472-6703**  
**Canada/Mexico: 800-321-6703**  
**International: 715-234-9171**

**RICE LAKE WEIGHING SYSTEMS**

Industrial Solutions on a Global Scale®

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# load cell guide

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