

## S-Beams



### RL20000, Alloy Steel ..... Page 98

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'/6.1 m of load cell cable.



### RL20000 SS, Stainless Steel..... Page 99

For the very first time, we are offering the RL20000 SS 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).



### RL20000 ST, Stainless Steel ..... Page 100

For suspended applications or mechanical scale conversion, this model provides protection needed in damp or dry, corrosive environments. With expanded NTEP certified capacities from 50 to 20,000 lb (22.7 to 9071.9 kg), it's similar to the RL20000 SS.



**NEW!**



### RL20001, Alloy Steel ..... Page 101

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'/6.1 m of load cell cable.



### RL20001 HE, Stainless Steel ..... Page 102

Our fastest growing S-Beam product now has NTEP certification to go along with its unrivaled protection against the elements. The RL20001 HE 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 103

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 6 m/19.7' of load cell cable.



## Single-Ended Beams

RL30000, RL30002, Alloy Steel Threaded/Thru ..... Page 104



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 20'6.1 m of load cell cable.



RL30000W, Alloy Steel ..... Page 105



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 lb. Alloy steel. Complete with 20'6.1 m of load cell cable.



RL39123, Stainless Steel ..... Page 106



Single-ended beam in stainless steel. Designed for low-profile scales and process applications. Capacities from 250 to 15,000 lb (113.4 to 6803.9 kg). Complete with 20'6.1 m of load cell cable.



RL30745, Stainless Steel, Welded Seal ..... Page 107



This stainless steel, welded-seal 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 500 to 10,000 lb (226.8 to 4535.9 kg). Complete with 20'6.1 m of load cell cable.

**Expanded Capacity Range!**

RLBLC, Stainless Steel ..... Page 108



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 10'3.1 m of load cell cable; 5000 to 10,000 lb (2268.0 to 4535.9 kg) with 20'6.1 m of load cell cable.

RL35023, Alloy Steel ..... Page 109



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 20'6.1 m of load cell cable.



RL35023S, Stainless Steel ..... Page 110



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 20'6.1 m of load cell cable.



## Single-Ended Beams (Continued)

**RL35083, Stainless Steel** ..... Page 111



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'/6.1 m cable.



**RL35082, Stainless Steel** ..... Page 112



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'/6.1 m cable.



IP 66/68 Model

**RL65044, Alloy Steel** ..... Page 113



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

**RL39523, Stainless Steel** ..... Page 114



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'/6.1 m of load cell cable.



**RLETB, Alloy Steel** ..... Page 115



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 6 m/19.7' of load cell cable.



**RLHTO, Stainless Steel** ..... Page 116



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 5 m/16.4' cable.



## Single-Ended Beams (Continued)

RLHSS, Stainless Steel ..... Page 117



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 6 m/19.7' of load cell cable.



RLSSB, Stainless Steel ..... Page 118



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 15'4.5 m of load cell cable.



RLSB250, Stainless Steel ..... Page 119



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



RLSB2, Alloy Steel ..... Page 120



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 10'3.1 m of load cell cable; 10,000 lb (4535.9 kg) with 15'4.6 m of load cell cable; 35,000 to 45,000 lb (15,875.7 to 20,411.9 kg) with 30'9.2 m of load cell cable.

RLSB2L/RLSB2M, Alloy Steel/Stainless Steel..... Page 121



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 10'3.1 m of load cell cable; 10,000 to 20,000 lb (4535.9 to 9071.9 kg) with 15'4.6 m of load cell cable; 35,000 to 45,000 lb (15,875.7 to 20,411.9 kg) with 30'9.2 m of load cell cable.

RL50210, Alloy Steel ..... Page 122



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



## Single-Ended Beams (Continued)

### RL50210SS, Stainless Steel..... Page 123



The RL50210SS is designed for low profile, single or multiple-cell weighing applications. It features stainless steel element for additional protection in harsh 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. It's available in capacities from 25 to 500 lb (11.3 to 226.8 kg), and is provided with a 20'/6.1 m load cell cable.



### RL40BBS, Alloy Steel..... Page 124

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



### RLHBB, Stainless Steel..... Page 125

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, electromechanical conversions and general-purpose weighing applications. OIML C4-certified capacities from 5 to 500 kg (11.0 to 1102.3 lb). Complete with 10'/3.1 m of load cell cable.



### RLMK15, Alloy Steel ..... Page 126

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 to 4000 lb (453.6 to 1134.0 kg). Complete with 20'/6.1 m of load cell cable.



### RL32155, Stainless Steel ..... Page 127

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'/4.6 m of load cell cable.



Consult Factory

## Single-Ended Beams (Continued)

RL7500SS, Stainless Steel..... Page 128



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 RL7500SS provides a competitive alternative in capacities ranging from 1,250 to 37,500 lb (567.0 to 17,045.5 kg). Provided complete with a 20'6.1 m load cell cable.



RLSBF, Stainless Steel..... Page 129



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). 20'6.1 m of cable.



RLBLF, Stainless Steel..... Page 130



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). 20'6.1 m of cable.



RLBEAM, Stainless Steel..... Page 131



A popular industry standard, this interchangeable load cell has been upgraded with hermetic sealing for superior protection in corrosive, wet and 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 RLBEAM. This model is intended as a replacement load cell, although mounting hardware can be fabricated for new applications. Available in capacities ranging from 5 kN to 200 kN (1125 to 44,960 lb). Complete with 30'9.2 m of cable.

## Double-Ended Beams

RL70000, Alloy Steel ..... Page 132



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 30'9.2 m load cell cable.



RL70000 SS, Stainless Steel..... Page 133



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 30'9.2 m of load cell cable.





## Double-Ended Beams (Continued)

**RL71000 HE, Stainless Steel** ..... Page 134



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'/7.6 m load cell cable.



**RL75016, Alloy Steel** ..... Page 135



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'/7.6 m of load cell cable.



**RL75016 SS, Stainless Steel**..... Page 136



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'/7.6 m of load cell cable.



**RL75016 WHE, Stainless Steel** ..... Page 137



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'/7.6 m of load cell cable.



**RL75058, Alloy Steel** ..... Page 138



Nickel plated and environmentally-sealed 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 10,000 to 125,000 lb (4536.0 to 56,699.1 kg). Complete with 25'/7.6 m of load cell cable.



**RL75060S, Stainless Steel** ..... Page 139



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'/6.1 m of load cell cable.



## Double-Ended Beams (Continued)

RL75223, Alloy Steel ..... Page 140



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'/12.2 m of load cell cable.



RL75040, Alloy Steel ..... Page 141



Double-ended beam load cell. Nickel plated and environmentally-sealed 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'/10.6 m cable. Optional 50'/15.3 m cable with 50,000 and 60,000 lb (22,679.6 and 27,215.5 kg) capacity load cells.



## Compression Canisters

RLCSP1, Stainless Steel ..... Page 142



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'/9.2 m of load cell cable.



RLSCA Rocker Column, Stainless Steel ..... Page 143



The new Rice Lake Weighing Systems RLSCA load cell is designed to be a replacement for Cardinal® SCA products. It features all stainless construction and welded sealing to provide IP67 environmental protection. This package includes a load cell and two retrofit cups that allow the RLSCA to match up with various field applications. Backed by NTEP III L 10 M approval, this unit provides an easy-to-install and easy-to-access alternative to similar products on the market. Available in a 50,000 lb package, the RLSCA includes 30'/9.2 m of standard load cell cable.



RL8C2P1SS, Stainless Steel..... Page 144



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'/10.6 m of load cell cable.





## Compression Canisters (Continued)

**RL90000, Alloy Steel** ..... Page 145



Environmentally-sealed low-profile compression disk. Models with capacities of 5000 and 10,000 lbs 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 20'6.1 m cable.



## Single-Points

**RL1521A, Aluminum** ..... Page 146



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 Vishay BLH and NMB® C2G1, capacities range from 3 to 35 kg (6.6 to 77.2 lb). Integral 17.8"/450 mm load cell cable.



**RL1010, Aluminum, Potted/Unpotted** ..... Page 147



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 10'3.1 m cable; unpotted models in capacities of 3 and 5 kg (6.6 and 11.0 lb) with 3'7.9 m cable, NTEP certified from 10 kg to 50 kg.



**RL800WT, Stainless Steel, Hermetically Sealed** ..... Page 148



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

**RL1042, Aluminum** ..... Page 149



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 10'3.1 m load cell cable.



## Single Points (Continued)

### RL1040, Aluminum, Potted and Unpotted ..... 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. 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 5 kg (6.6 and 11 lb). Integral 10'/3.1 m load cell cable.



### RL1140, Stainless Steel, Potted ..... Page 151



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'/3.1 m load cell cable.



### RL1380, Stainless Steel ..... Page 152



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 3.1 m/10' of load cell cable.



### RL1385, Stainless Steel ..... Page 153



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'/3.1 m of load cell cable.



### RL1260, Aluminum ..... Page 154



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'/3.1 m load cell cable.



### RL1250, Potted, Aluminum ..... Page 155



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.



**Single Points (Continued)**



**RLMK21, Stainless Steel..... Page 156**

The RLMK21's single-point design is a durable, accurate and cost-effective alternative for Weigh-Tronix® 3270 Series checkweighers. Integral overload protection and redundant sealing provide durability in damp environments. Capacities from 4.5 to 50 kg (9.9 to 110.3 lb). Complete with 10'3.1 m of load cell cable.



**RLMK4, Alloy Steel and Stainless Steel..... Page 157**

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 10'3.1 m load cell cable.



**RLMK1, Alloy Steel..... Page 158**

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 10'3.1 m cable.



**Sensors**



**RLS1101, Stainless Steel..... Page 159**

This planar beam sensor is a popular OEM industry standard that we have taken to the next level by providing in stainless steel construction. This sensor is offered in capacities ranging from 2 to 40 lb (0.9 to 18.1 kg). 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'/.45 m standard cable.



**RLS3020 ..... Page 160**

This product is available in capacities ranging from 1 to 50 lb (0.5 to 22.7 kg) for use in light capacity 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'/.45 m cable.

## Sensors (Continued)

### RLS2732, Stainless Steel ..... Page 161



The RLS2732 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 coupled with a small hook to be used to weigh just about any lightweight 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 10 lb (0.5 to 4.5 kg), and is provided standard with an 18"/.45 m cable.

### RLS3010, Aluminum/Stainless Steel ..... Page 162



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 and exercise equipment, as well as 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'/1 m cable.

### RLS3030, Aluminum ..... Page 163



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 proves to be a much lower profile alternative. Complete with 18"/.45 m cable.

### RLS1000 Button Sensor & RLS1005 High Capacity Button Sensor, Stainless Steel ..... Page 164



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'/6.1 m of cable, while the RLS1005 is furnished with 18"/.45 m.



(RLS1000 only)

Sensors (Continued)

RLS7000, Stainless Steel..... Page 165

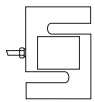


This unit is a washer force sensor that is designed to measure the pressure put upon a bolt. The bolt size range of this product is from a #10 to 1". Each sensor is thermally-compensated to assure high accuracy for multiple applications. Some popular applications for this product are fastener testing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

RLS2101, Alloy Steel..... Page 166



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"/.45 m.



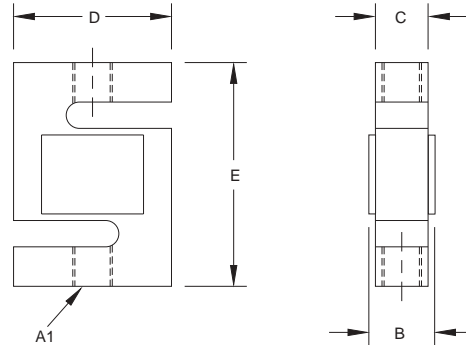
# RL20000 S-Beam, Alloy Steel

## 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 14°F to 104°F/-10°C to 40°C
Seal Type:	Environmentally-sealed, 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'/6.1 m
Cable Color Code:	Red ..... + Excitation Black..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	2-year limited warranty



RATED CAPACITY	DIMENSIONS				
	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/mm</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\* ..... \$25.00  
 3/8-24 to 1/4-18 NPT ..... 31534\* ..... \$25.00

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

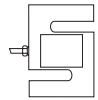
### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Artech	20210

### WEIGH MODULE AVAILABLE

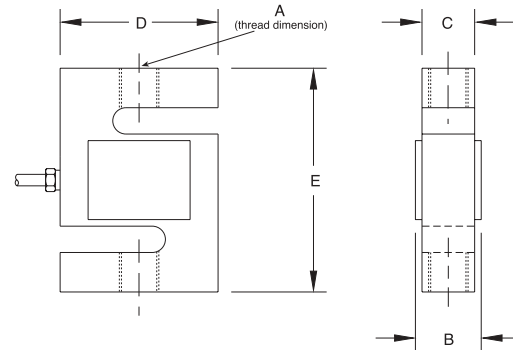
Model	Page #
ITCM Isolated Tension Cell Mount	354





# RL20000 SS S-Beam, Stainless Steel

## NTEP 1:10000 Class IIIL Single Cell, IP67



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	3.40
5000	3/4-16 UNF-2B	1.15	.96	3.00	3.40
10,000	3/4-16 UNF-2B	1.15	.96	3.00	3.90
<b>kg/mm</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	86.1
2268.0	3/4-16 UNF-2B	29.2	24.4	76.2	86.1
4535.9	3/4-16 UNF-2B	29.2	24.4	76.2	99.1

### 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	Cable Length:	20'/6.1 m
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Seal Type:	Environmentally-sealed, IP67	Warranty:	2-year limited warranty
Safe Overload:	150% Full scale		
Rated Excitation:	10V DC (15V maximum)		
Nonlinearity:	0.03% Full scale		

### RL20000 SS ORDER INFORMATION

Load Rating	Part #	Suggested List Price
<b>RL20000SS NTEP</b>		
50 lb (22.9 kg)	17013	\$295.00
100 lb (45.4 kg)	46511	\$295.00
250 lb (113.4 kg)	46503	\$295.00
500 lb (226.8 kg)	46504	\$295.00
750 lb (340.2 kg)	46505	\$295.00
1000 lb (453.6 kg)	46506	\$295.00
2500 lb (1134.0 kg)	46507	\$295.00
3000 lb (1360.8 kg)	46508	\$395.00
5000 lb (2268.0 kg)	46509	\$495.00
10,000 lb (4535.9 kg)	46510	\$495.00

### RL20000SS NON-NTEP

50 lb (22.9 kg)	17013	\$295.00
<b>Conduit Adapter Kit* (must be factory installed to maintain warranty)</b>		
3/8-24 Nipple	31533*	\$25.00
3/8-24 to 1/4-18 NPT	31534*	\$25.00

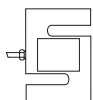
\* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Revere Transducers.....	(see page 252) 9363
Artech .....	SS20210

### WEIGH MODULE AVAILABLE

Model	Page #
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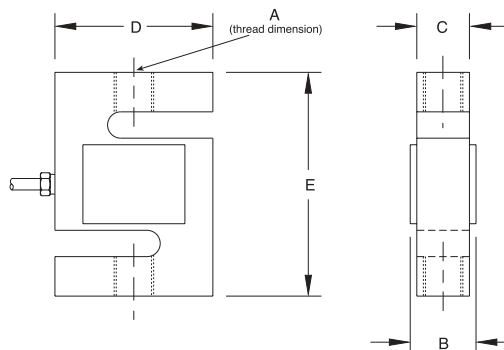


Revised 6/12/03

**RICE LAKE WEIGHING SYSTEMS**

# RL20000 ST S-Beam, Stainless Steel

## NTEP 1:10000 Class IIIL Single Cell, IP67



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
200-500 (Not available)					
550-1000	1/2-20 UNF-2B	.90	.71	2.00	2.40
1500-2500	1/2-20 UNF-2B	1.15	.96	2.00	2.40
3000	1/2-20 UNF-28	1.15	.96	3.00	3.90
5000-10,000	3/4-16 UNF-28	1.15	.96	3.00	3.90
15,000	1-14 UNF-28	1.69	1.50	4.00	5.50
20,000	1 1/4-12 UNF-28	2.19	2.00	5.00	7.00
<b>kg/mm</b>					
22.7-45.4	1/4-28 UNF-2B	16.5	11.7	50.8	60.9
90.7-226.8	1/4-20 UNF-2B	22.9	18.0	50.8	60.9
340.2-453.6	1/2-20 UNF-2B	22.9	18.0	50.8	60.9
680.4-1134	1/2-20 UNF-2B	29.2	24.4	50.8	60.9
1360.8	1/2-20 UNF-28	29.2	24.4	76.2	99.1
2268-4535.9	3/4-16 UNF-28	29.2	24.4	76.2	99.1
6803.9	1-14 UNF-28	42.9	38.1	101.6	139.7
9071.9	1 1/4-12 UNF-28	55.6	50.8	127.0	177.8

### 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  
 Seal Type: Environmentally-sealed, 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'/6.1 m  
 Cable Color Code: Red ..... + Excitation  
 Black..... - Excitation  
 Green ..... + Signal  
 White ..... - Signal  
 Warranty: 2-year limited warranty

### RL20000 ST ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50 lb (22.9 kg)	72741	\$295.00
100 lb (45.4 kg)	72742	\$295.00
200 lb (90.72 kg)	72743	\$295.00
250 lb (113.4 kg)	72744	\$295.00
300 lb (136.1 kg)	72745	\$295.00
500 lb (226.8 kg)	72746	\$295.00
750 lb (340.2 kg)	72747	\$295.00
1000 lb (453.6 kg)	72748	\$295.00
1500 lb (680.4 kg)	72749	\$295.00
2000 lb (907.2 kg)	72750	\$295.00
2500 lb (1134.0 kg)	72751	\$295.00

### RL20000 ST ORDER INFORMATION

Load Rating	Part #	Suggested List Price
3000 lb (1360.8 kg)	72752	\$395.00
5000 lb (2268.0 kg)	72753	\$495.00
10,000 lb (4535.9 kg)	72754	\$495.00
15,000 lb (6804.0 kg)	72755	\$575.00
20,000 lb (9072.0 kg)	72756	\$895.00

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

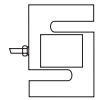
3/8-24 Nipple	31533*	\$25.00
3/8-24 to 1/4-18 NPT	31534*	\$25.00

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

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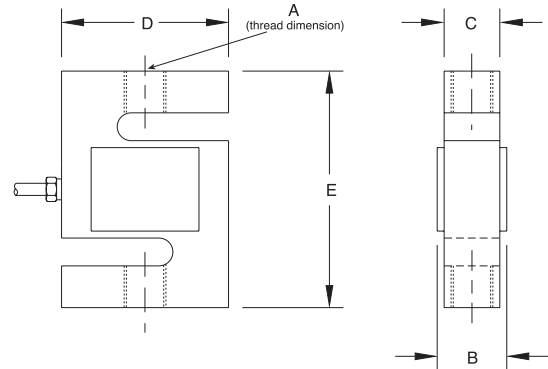
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# RL20001 S-Beam, Alloy Steel

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



RATED CAPACITY	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/mm</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

### 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:	Environmentally-sealed, IP67
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (15V max.)
Nonlinearity:	0.03% Full scale

Hysteresis:	0.02% Full scale
Insulation Resistance:	5000 megohms
Cable Length:	20'/6.1 m
Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	2-year limited warranty

### 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\* ..... \$25.00  
 3/8-24 to 1/4-18 NPT ..... 31534\* ..... \$25.00

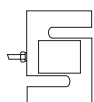
\*Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron	(see page 178) STC
Vishay Sensortronics	(see page 289) 60001

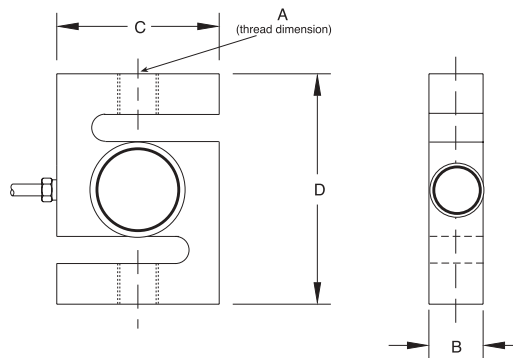
### WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	354



# RL20001 HE S-Beam, Stainless Steel

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



### RATED CAPACITY

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

### 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 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'/6.1 m
Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	2-year limited warranty

### RL20001 HE ORDER INFORMATION

Load Rating	Part #	Suggested List Price
<b>RL20001HE NTEP</b>		
500 lb (226.8 kg)	46469	\$550.00
750 lb (340.2 kg)	46470	\$550.00
1000 lb (453.6 kg)	46471	\$550.00
1500 lb (680.4 kg)	46472	\$550.00
2000 lb (907.2 kg)	46473	\$550.00
2500 lb (1134.0 kg)	46474	\$550.00
3000 lb (1360.8 kg)	46475	\$550.00
5000 lb (2268.0 kg)	46476	\$795.00

### 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

<b>Conduit Adapter Kit* (must be factory installed to maintain warranty)</b>		
3/8-24 Nipple	31533*	\$25.00
3/8-24 to 1/4-18 NPT	31534*	\$25.00

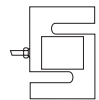
\* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit

### INTERCHANGEABLE PRODUCTS

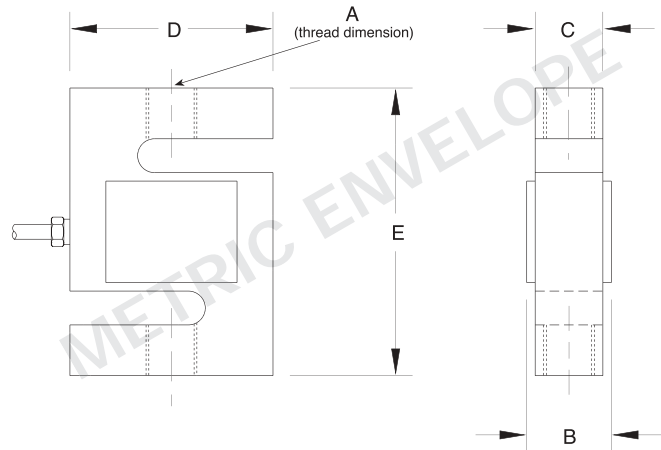
Manufacturer	Model
Vishay Sensortronics	(see page 291) 60063

### WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	354



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



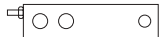
RATED CAPACITY	DIMENSIONS				
	A	B	C	D	E
<b>kg/mm</b>					
250-1000	M12 x 1.75-6H	25.4	19.1	50.8	76.0
2500	M20 x 1.5-6H	31.8	25.4	76.2	108.0
<b>lb/inches</b>					
551.2-2205.0	M12 x 1.75-6H	1.00	.75	2.00	3.00
5512.5	M20 x 1.5-6H	1.25	1.00	3.00	4.25

## SPECIFICATIONS:

Full Scale Output:	3.0 mV/V $\pm$ 0.25%	Insulation Resistance:	5000 megohms
Bridge Resistance:	350 ohms, nominal	Cable Length:	6 m/19.7'
Material/Finish:	Alloy steel	Cable Color Code:	Red ..... + Excitation Black..... - Excitation Green..... + Signal White ..... - Signal
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Warranty:	2-year limited warranty
Seal Type:	Environmentally-sealed, IP67		
Safe Overload:	150% Full scale		
Rated Excitation:	10V AC/DC (15V maximum)		
Combined Error:	0.02% Full scale		

## 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

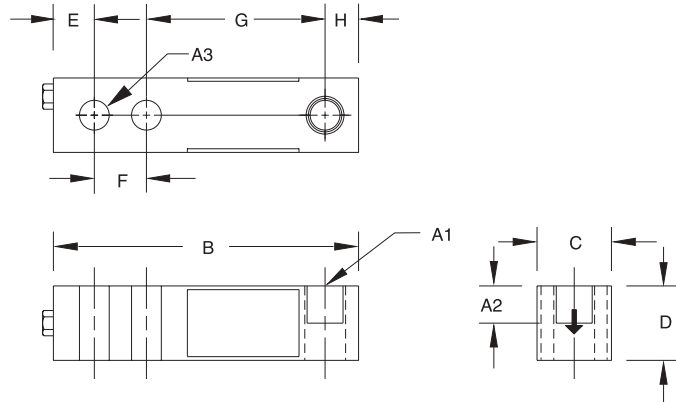


# RL30000 Single-Ended Beam, Alloy Steel

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



APPROVED  
Except 250 lb



RATED CAPACITY	A1*	A2†	A3*	DIMENSIONS						
				B	C	D	E	F	G	H
<b>lb/inches</b>										
250-5000 SE	1/2-20 UNF-2B	.60	.53	5.12	1.25	1.25	.62	1.00	3.00	.50
5000 LE-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/mm</b>										
113.4-2059.3 SE	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 LE-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  
 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  
 Environmentally-sealed, IP67  
 Seal Type: 150% Full scale  
 Safe Overload: 10V DC (15V maximum)  
 Rated Excitation: 0.03% Full scale  
 Nonlinearity: 0.02% Full scale  
 Hysteresis: 0.02% Full scale

Insulation Resistance: 5000 megohms  
 Deflection at Capacity: 250-1000 lb = .013"/.33 mm, 2000-3000 lb = .015"/.38 mm, 4000-5000 lb = .025"/.64 mm, 10,000 lb = .032"/.81 mm, 15,000-20,000 lb = .038"/.97 mm  
 Cable Length: 20'/6.1 m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ..... + Signal  
 White ..... - Signal  
 Warranty: 2-year limited warranty

### 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
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* (must be factory installed to maintain warranty)</b>		
3/8-24 Nipple	31533*	\$25.00
3/8-24 to 1/4-18 NPT	31534*	\$25.00

<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* (must be factory installed to maintain warranty)</b>		
3/8-24 Nipple	31533*	\$25.00
3/8-24 to 1/4-18 NPT	31534*	\$25.00

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

\*\* Not FM approved

SE refers to small envelope

LE refers to large 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* (must be factory installed to maintain warranty)</b>		
3/8-24 Nipple	31533*	\$25.00
3/8-24 to 1/4-18 NPT	31534*	\$25.00

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
<b>Threaded-Hole Design</b>	
Revere Transducers	(see page 254) 5123
Vishay Tedea-Huntleigh	(see page 325) 3411
Artech	30310

### WEIGH MODULE AVAILABLE

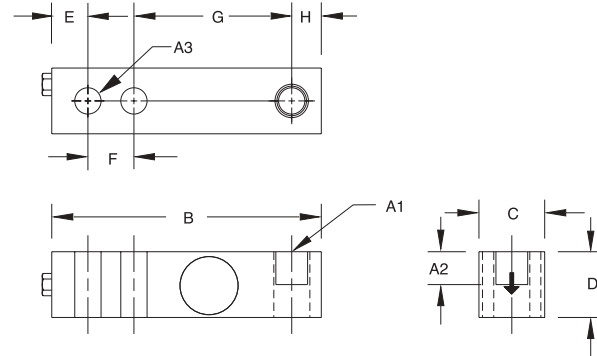
Model	Page #
RL50210 TA	30
RL1800 Series	40





# RL30000W Single-Ended Beam, Alloy Steel

## NTEP 1:5000 Class III Multiple Cell, Welded-seal, IP67



RATED CAPACITY	A1	A2	A3	DIMENSIONS						
				B	C	D	E	F	G	H
<b>lb/inches</b>										
1000-5000 SE	1/2-20 UNF-2B	.60	.53	5.12	1.25	1.25	.62	1.00	3.00	.50
5000 LE-10,000	3/4-16 UNF-2B	.75	.78	6.75	1.50	1.50	.75	1.50	3.75	.75
<b>kg/mm</b>										
2205.0-2059.3 SE	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 LE-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"/.33 mm, 2000-3000 lb = .015"/.38 mm,  
 4000-5000 lb = .025"/.64 mm, 10,000 lb = .032"/.81 mm  
 Cable Length: 20'/6.1 m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ..... + Signal  
 White ..... - Signal  
 Warranty: 5-year limited warranty

### 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

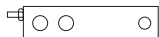
Conduit adapter, 1/4-18 NPT ..... 66544.....\$35.00

SE refers to small envelope

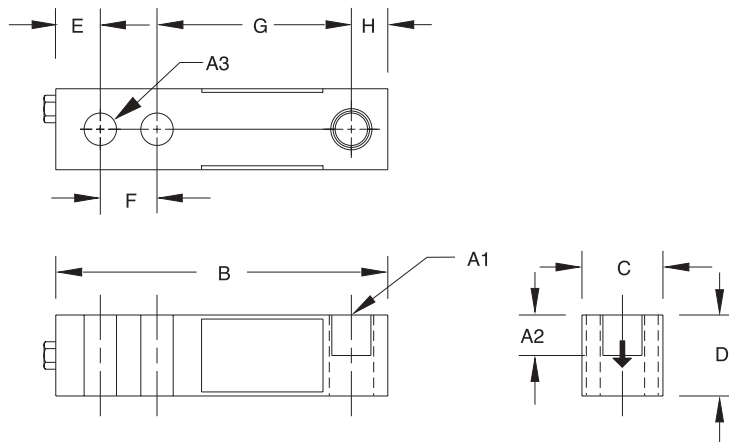
LE refers to large envelope

### WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA .....	32
RL1800 Series .....	40



# RL39123 Single-Ended Beam, Stainless Steel



RATED CAPACITY	A1	A2	A3	DIMENSIONS						
				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	1-12 UNF-2B	1.00	1.03	8.75	2.00	2.00	1.00	2.00	4.75	1.00
<b>kg/mm</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	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"/.33 mm, 2000-3000 lb = .015"/.38 mm, 4000-5000 lb = .025"/.64 mm, 10,000 lb = .32"/.81 mm, 15,000-20,000 lb = .038"/.97 mm
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Cable Length:	20'/6.1 m
Seal Type:	Environmentally-sealed	Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Safe Overload:	150% Full scale	Warranty:	2-year limited warranty
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

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

3/8-24 Nipple	31533*	\$25.00
3/8-24 to 1/4-18 NPT	31534*	\$25.00

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

## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Revere Transducers	(see page 255) 9123
Artech	SS30310
HBM	(see page 224) B35

## WEIGH MODULE AVAILABLE

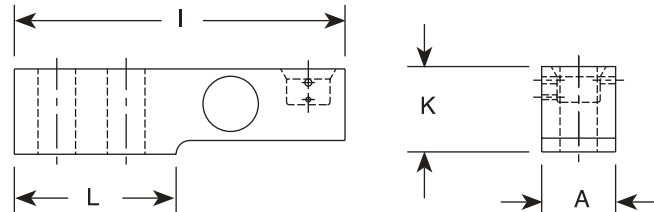
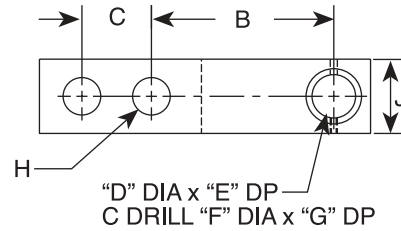
Model	Page #
RL50210 TA	30



# RL30745 Single-Ended Beam, Stainless Steel

## Welded-seal, IP67

**Expanded  
Capacity  
Range!**



RATED CAPACITY	A	B	C	D	DIMENSIONS		E	F	G	H	I	J	K	L
<b>lb/inches</b>														
500-4,000	1.20	3.00	1.00	.63	.69	.88	.189	.500	5.25	1.20	1.22	2.27		
5,000	1.46	3.00	1.00	.63	.92	.88	.38	.500	5.38	1.46	1.40	2.28		
10,000	1.68	3.75	1.50	.88	1.17	1.38	.44	.750	6.87	1.68	1.68	3.34		
<b>kg/mm</b>														
226.8-1814.2	30.5	76.2	25.4	16.0	17.5	22.4	4.8	12.7	133.3	30.1	30.9	57.6		
2268	37.1	76.2	25.4	16.0	23.4	22.4	9.7	12.7	136.7	37.1	35.5	57.9		
4536	42.7	95.3	38.1	22.4	29.7	35.1	11.8	19.1	174.5	42.7	42.6	84.8		

### 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)  
**Combined Error:** 0.03%  
**Non-repeatability:** 0.01% Full scale

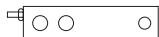
**Insulation Resistance:** 5000 megohms  
**Seal Type:** Welded-seal, IP67  
**Cable Length:** 15'/4.5 m  
 20'/6.1 m (1000 & 4000 lb)  
**Cable Color Code:** Green.....+ Excitation  
 Black.....- Excitation  
 White.....+ Signal  
 Red.....- Signal  
 Yellow..... Shield  
**Warranty:** 2-year limited warranty

### RL30745 ORDER INFORMATION

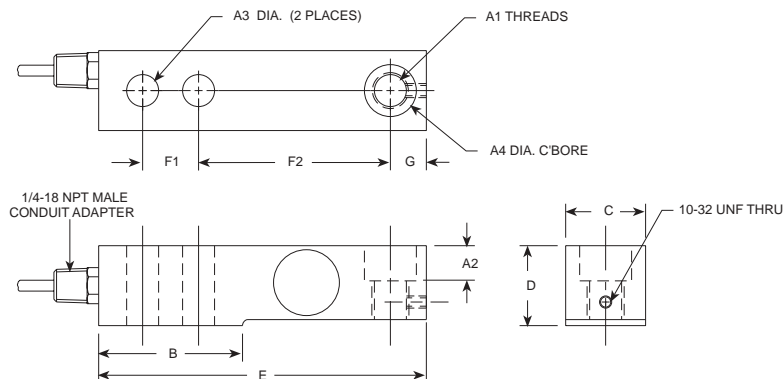
Load Rating	Part #	Suggested List Price
500 lb (226.8 kg) .....	76213.....	\$450.00
1,000 lb (453.6 kg) .....	45462.....	\$450.00
1,250 lb (567.0 kg) .....	47946.....	\$450.00
2,500 lb (1,134 kg) .....	45463.....	\$450.00
4,000 lb (1,814.4 kg) .....	45464.....	\$450.00
5,000 lb (2,268 kg) .....	45465.....	\$575.00
10,000 lb (4,536 kg) .....	45466.....	\$695.00

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Mettler-Toledo® .....	745 Mount



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



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	.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/mm</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	Hysteresis:	0.05% Full scale
Bridge Resistance:	1000 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	Stainless steel	Deflection at Capacity:	1000-4000 lb = .010"/.25 mm, 5000-10,000 lb = .012"/.30 mm
Temperature:	Compensated range 15°F to 115°F/-9°C to 46°C	Cable Length:	1000-4000 lb = 10'/3.1 m 5000-10,000 lb = 20'/6.1 m
Seal Type:	Environmentally-sealed	Cable Color Code:	Green ..... + Excitation Black ..... - Excitation White ..... + Signal Red ..... - Signal
Safe Overload:	150% Full scale	Warranty:	2-year limited warranty
Rated Excitation:	10V AC/DC (15V maximum)		
Nonlinearity:	0.03% Full scale		

## 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 (for conversion to non-counter base)</b>		
1000 lb - 4000 lb, SST .....	17691 .....	\$8.00

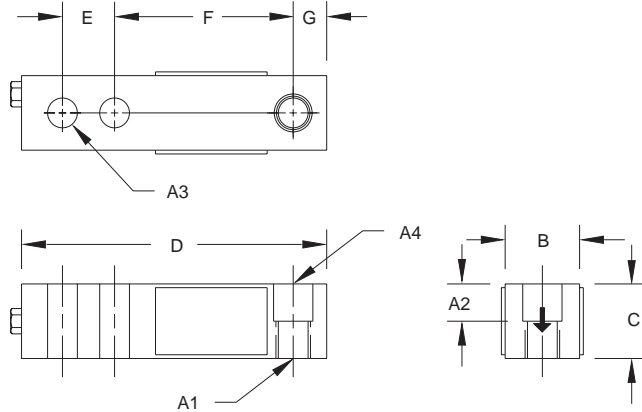
## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
HBM .....	(see page 225) BLC



# RL35023 Single-Ended Beam, Alloy Steel

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



RATED CAPACITY	A1	A2	A3	DIMENSIONS A4	B	C	D	E	F	G
<b>lb/inches</b>										
500	1/2-20 UNF-2B	.50	.53	.53	1.00	1.25	5.12	1.00	3.00	.53
1000-5000 SE	1/2-20 UNF-2B	.62	.53	.53	1.25	1.25	5.12	1.00	3.00	.53
5000 LE-10,000	3/4-16 UNF-2B	.75	.78	.78	1.50	1.50	6.75	1.50	3.75	.78
15,000-20,000	1-14 UNS-2B	1.00	1.03	1.03	2.00	2.00	8.88	2.00	4.88	1.03
<b>kg/mm</b>										
226.8	1/2-20 UNF-2B	12.7	13.5	1.35	25.4	31.8	130.1	25.4	76.2	13.0
453.6-2268.0 SE	1/2-20 UNF-2B	15.8	13.5	1.35	31.8	31.8	130.1	25.4	76.2	13.0
2268.0 LE-4535.9	3/4-16 UNF-2B	19.1	19.8	19.8	38.1	38.1	171.5	38.1	95.3	20.7
6803.9-9071.9	1-14 UNS-2B	25.4	26.2	26.2	50.8	50.8	225.6	50.8	124.0	25.0

### 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: 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: 500-1000 lb = .013"/.3 mm,  
 2000-3000 lb = .015"/.4 mm,  
 4000-5000 lb = .025"/.6 mm,  
 10,000 lb = .035"/.9 mm  
 Seal Type: Environmentally-sealed, IP67  
 Cable Length: 20'/6.1 m  
 Cable Color Code:  
 Red ..... + Excitation  
 Black ..... - Excitation  
 Green ..... + Signal  
 White ..... - Signal  
 Warranty: 2-year limited warranty

### 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</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*	\$25.00
3/8-24 to 1/4-18 NPT .....	31534*	\$25.00

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron .....	(see page 181) SQB
Vishay Sensortronics .....	(see page 295) 65023
Artech .....	30310

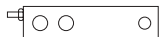
### WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA .....	30
RL1800 Series .....	40

SE refers to small envelope

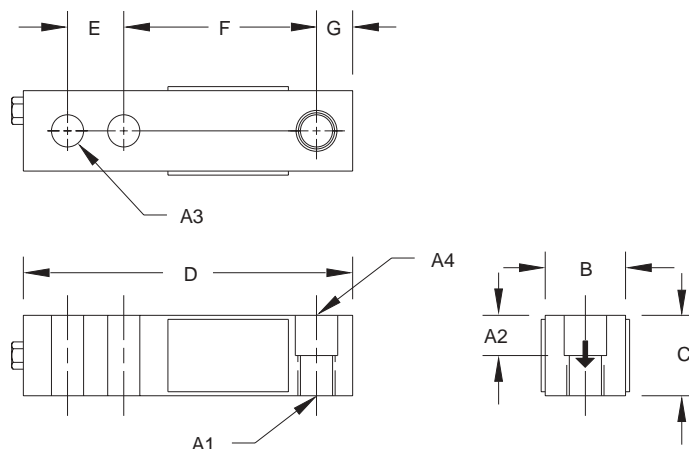
LE refers to large envelope

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



# RL35023S Single-Ended Beam, Stainless 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>										
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/mm</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
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"/.33 mm, 2000-2500 lb = .015"/.38 mm, 4000-5000 lb = .025"/.64 mm, 10,000 lb = .32"/.81 mm,
Seal Type:	Environmentally-sealed, IP67
Cable Length:	20'/6.1 m
Cable Coloring:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	2-year limited warranty

### 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* (must be factory installed to maintain warranty)</b>		
3/8-24 Nipple .....	31533* .....	\$25.00
3/8-24 to 1/4-18 NPT .....	31534* .....	\$25.00

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

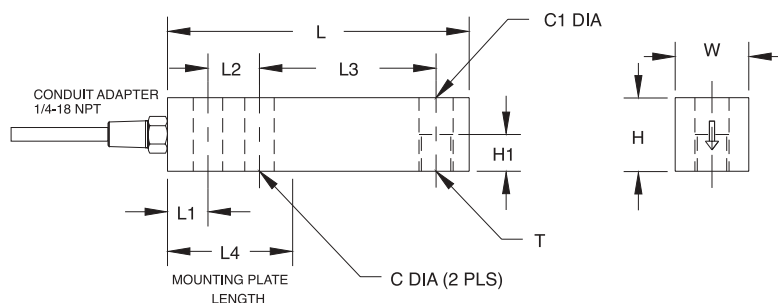
### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics .....	(see page 297) 65023 S
Vishay Sensortronics .....	(see page 296) 65023 SS

### WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA .....	30
RL1800 Series .....	40





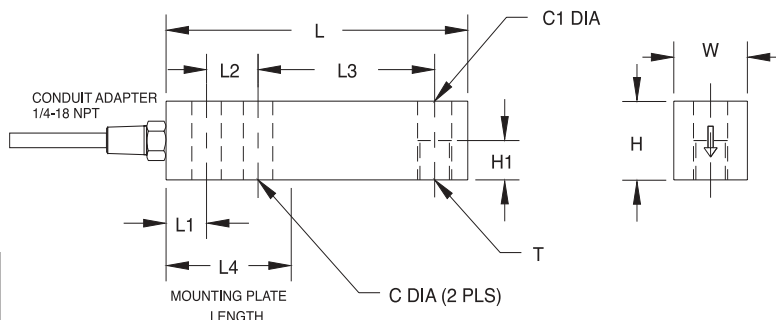
RATED CAPACITY	DIMENSIONS										
	C	C1	H	H1	L	L1	L2	L3	L4	T	W
lb/inches											
1000-4000	.53	.53	1.22	.61	5.12	.62	1.00	3.00	2.25	1/2-20 UNF-2B	1.22
5000-10,000	.78	.78	1.50	.75	6.75	.75	1.50	3.75	3.00	3/4-16 UNF-2B	1.50
kg/mm											
453.6-1814.4	13.5	13.5	31.0	15.5	130.0	15.7	25.4	76.2	57.2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

<b>Full Scale Output:</b>	3.0 mV/V	<b>Deflection at Capacity:</b>	1000 lb = .013"/.33 mm, 2500 lb = .015"/.38 mm,
<b>Bridge Resistance:</b>	350 ohms, nominal		4000-5000 lb = .025"/.64 mm,
<b>Material/Finish:</b>	Stainless steel		10,000 lb = .032"/.81 mm
<b>Temperature:</b>	Compensated range 0°F to 150°F/-18°C to 65°C	<b>Seal Type:</b>	Welded-seal strain gauge*, IP67
<b>Safe Overload:</b>	150% Full scale	<b>Cable Length:</b>	20'/6.1 m Teflon coated cable
<b>Rated Excitation:</b>	10V DC (15V maximum)	<b>Conduit Adapter Size:</b>	1/4-18 NPT
<b>Combined Error:</b>	0.03% Full scale	<b>Cable Color Code:</b>	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
<b>Non-Repeatability:</b>	0.01% Full scale	<b>Warranty:</b>	2-year limited warranty
<b>Insulation Resistance:</b>	5000 megohms		

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg) .....	17252 .....	\$405.00
2500 lb (1134.0 kg) .....	17253 .....	\$405.00
4000 lb (1814.4 kg) .....	17254 .....	\$405.00
5000 lb (2268.0 kg) .....	17255 .....	\$455.00
10,000 lb (4535.9 kg) .....	17256 .....	\$455.00

Manufacturer	Model
Vishay Sensortronics .....	(see page 298) 65083
Vishay Celtron .....	(see page 182) SQB-HSS

Model	Page #
RL50210 TA.....	30
RL1800 Series .....	40



RATED CAPACITY	DIMENSIONS										
	C	C1	H	H1	L	L1	L2	L3	L4	T	W
lb/inches											
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
kg/mm											
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

<b>Full Scale Output:</b>	2.0 mV/V	<b>Deflection at Capacity:</b>	1000 lb = .013"/.33 mm, 2500 lb = .015"/.38 mm,
<b>Bridge Resistance:</b>	350 ohms, nominal		4000-5000 lb = .025"/.64 mm,
<b>Material/Finish:</b>	Stainless steel		10,000 lb = .032"/.81 mm
<b>Temperature:</b>	Compensated range 14°F to 104°F/-10°C to 40°C	<b>Seal Type:</b>	Welded-seal strain gauge*, IP67
<b>Safe Overload:</b>	150% Full scale	<b>Cable Length:</b>	20'/6.1 m Teflon coated cable
<b>Rated Excitation:</b>	10V DC (15V maximum)	<b>Conduit Adapter Size:</b>	1/4-18 NPT**
<b>Combined Error:</b>	0.02% Full scale	<b>Cable Color Code:</b>	Red ..... + Excitation
<b>Non-Repeatability:</b>	0.01% Full scale		Black ..... - Excitation
<b>Insulation Resistance:</b>	5000 megohms		Green ..... + Signal
		<b>Warranty:</b>	White ..... - Signal
			2-year limited warranty

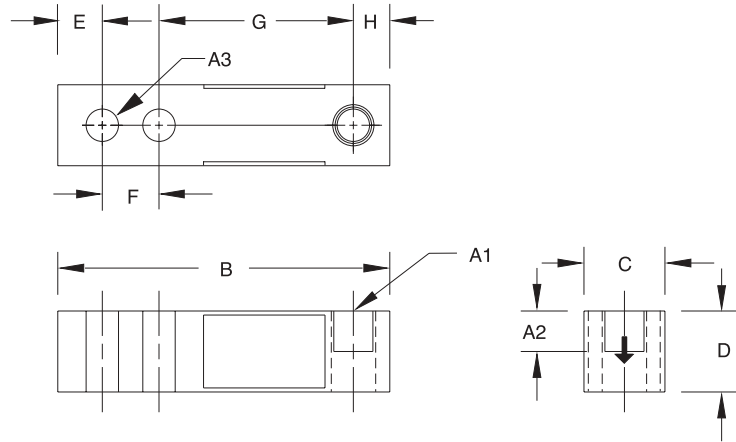
	Load Rating	Part #	Suggested List Price
<b>IP67</b>			
1000 lb	(453.6 kg)	31283	\$425.00
2500 lb	(1134.0 kg)	31282	\$425.00
4000 lb	(1814.4 kg)	31281	\$425.00
5000 lb	(2268.0 kg)	31280	\$475.00
10,000 lb	(4535.9 kg)	31279	\$475.00
<b>IP66/68**</b>			
1000 lb	(453.6 kg)	34702	\$505.00
2500 lb	(1134.0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

Manufacturer	Model
Vishay Sensortronics .....	(see page 299) 65083 S
Vishay TedeA-Huntleigh .....	(see page 326) 3510-lbs

Model	Page #
RL50210 TA.....	30
RL1800 Series .....	40



# 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/mm				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:

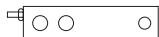
Full Scale Output:	3.0 mV/V	Nonlinearity:	0.01% Full scale
Bridge Resistance:	350 ohms, nominal	Hysteresis:	0.01% Full scale
Material/Finish:	High-alloy steel, nickel plated	Insulation Resistance:	5000 megohms
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Cable Length:	20'/6.1 m
Seal Type: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

## RL65044 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
4000 lb (1814.4 kg) .....	17110 .....	\$595.00

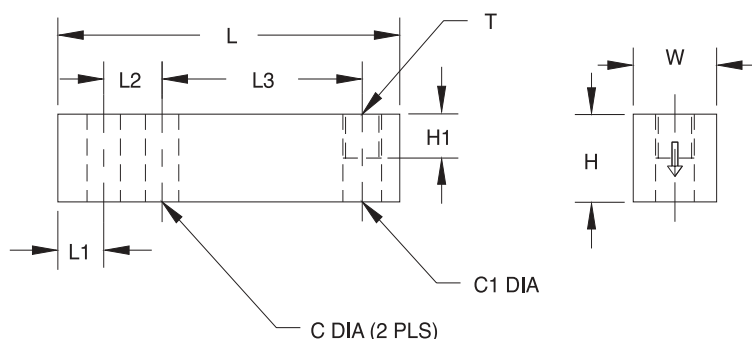
## INTERCHANGEABLE PRODUCTS

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



# RL39523 Single-Ended Beam, Stainless Steel

## Welded-seal, IP67



### RATED CAPACITY

lb/inches  
1000-4000  
5000-10,000

C	C1	H	H1	L	L1	L2	L3	T	W
.53	.53	1.25	.62	6.12	1.62	1.00	3.00	1/2-20 UNF	1.25
.78	.78	1.50	.74	7.71	1.71	1.50	3.75	3/4-16 UNF	1.50

### kg/mm

453.6-1814.4  
2268.0-4535.9

13.5	13.5	31.8	15.8	155.5	41.2	25.4	76.2	1/2-20 UNF	31.8
19.8	19.8	38.1	18.8	195.8	43.4	38.1	95.3	3/4-16 UNF	38.1

### 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
Seal Type:	Welded-seal strain gauge**, IP67
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:	1000 lb = .016"/.4 mm, 2500 lb = .41"/1.0 mm, 4000 lb = .041"/1.0 mm, 5000 lb = .035"/.9 mm, 10,000 lb = .042"/1.1 mm
Cable Length:	20'/6.1 m
Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	2-year limited warranty

### RL39523 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
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** (must be factory installed to maintain warranty)</b>		
3/8-24 Nipple .....	31533* .....	\$25.00
3/8-24 to 1/4-18 NPT .....	31534* .....	\$25.00

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

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

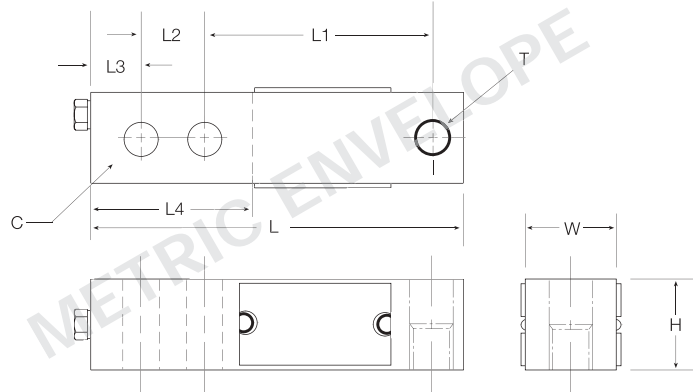
### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Revere Transducers.....	(see page 256) 9523 (has counterbored load hole)



# RLETB Single-Ended Beam, Alloy Steel

## OIML C3, IP67



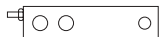
RATED CAPACITY	DIMENSIONS								
	C	H	L	L1	L2	L3	L4	W	T
<b>kg/mm</b>									
500-2000	57.0	32.0	130.0	76.0	25.0	16.0	13.0	32.0	M12 x 1.75-6H
5000	76.0	38.0	171.0	95.0	38.0	19.0	20.7	38.0	M20 x 1.5-6H
<b>lb/inches</b>									
1102.3-4409.2	2.25	1.25	5.12	3.00	.98	.63	.51	1.25	M12 x 1.75-6H
11,023.1	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	Insulation Resistance:	5000 megohms
Bridge Resistance:	350 ohms, nominal	Seal Type:	Environmentally-sealed, IP67
Material/Finish:	Alloy steel	Cable Length:	6 m/19.7'
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Safe Overload:	150% Full scale	Warranty:	2-year limited warranty
Rated Excitation:	10V AC/DC (15V maximum)		
Combined Error:	0.03% Full scale		

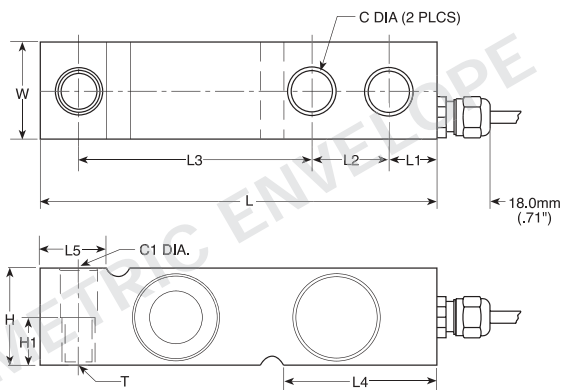
### RLETB ORDER INFORMATION

Load Rating	Part #	Suggested 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



# RLHT0 Single-Ended Beam, Stainless Steel

## Hermetically-sealed, IP66/68, OIML C6/C3



RATED CAPACITY	DIMENSIONS											
	C	C1	H	H1	L	L1	L2	L3	L4	L5	T	W
<b>kg/mm</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 = .4 mm/.015"  
 Seal Type: Hermetically-sealed, IP66/68  
 Cable Length: 5 m/16.4'  
 Cable Color Code:  
 Blue ..... + Excitation  
 Black..... - Excitation  
 Green..... + Sense  
 Grey..... - Sense  
 White ..... + Signal  
 Red ..... - Signal  
 Warranty: 2-year limited warranty

### RLHT0 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
Vishay Tedea-Huntleigh .....	(see page 327) 3510-kg

### WEIGH MODULE AVAILABLE

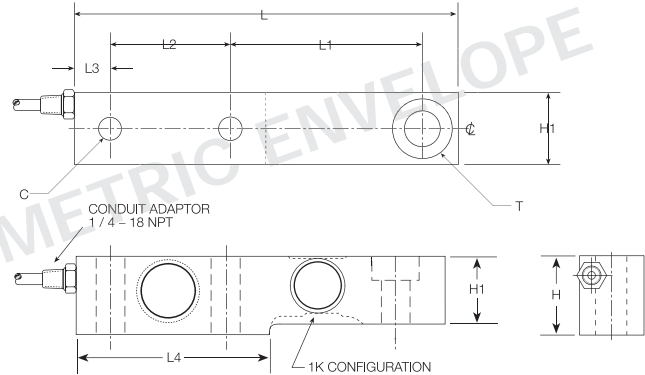
Model	Page #
1700HE.....	14





# RLHSS Single-Ended Beam, Stainless Steel

## Welded-seal, IP67, OIML C3



RATED CAPACITY	C	H	H1	L	DIMENSIONS		L3	L4	T
					L1	L2			
<b>kg/mm</b>									
500-2000	17.5	47.8	36.5	202.2	98.4	63.5	19.0	101.6	17.5 THRU C'BORE 30.2x11.9 DEEP
5000	25.4	69.9	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	1.88	1.44	7.96	3.87	2.50	.75	4.00	.69 THRU C'BORE 1.19x.47 DEEP
11,023.1	1.00	2.75	1.87	9.25	4.88	2.63	.81	4.62	1.00 THRU C'BORE 1.63x.62 DEEP

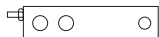
### SPECIFICATIONS:

Full Scale Output:	2.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	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:	5000 megohms
Seal Type:	Welded-seal, IP67
Cable Length:	6 m/19.7'
Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	2-year limited warranty

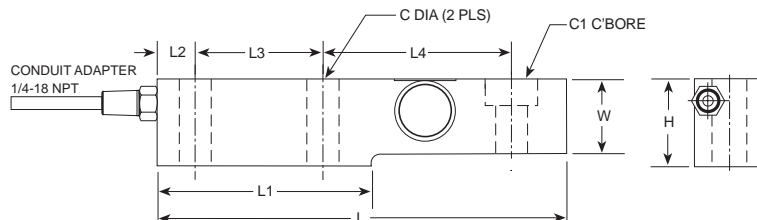
### RLHSS ORDER INFORMATION

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



# RLSSB Single-Ended Beam, Stainless Steel

## Welded-seal, NTEP 1:5000 Class III Multiple Cell, IP67



RATED 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/mm</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	Insulation Resistance:	5000 megohms
Bridge Resistance:	350 ohms, nominal	Seal Type:	Welded-seal, IP67
Material/Finish:	Stainless steel	Cable Length:	15'/4.5 m
Temperature:	Operating range 14°F to 104°F/-10°C to 40°C	Cable Color Code:	Green ..... + Excitation Black ..... - Excitation White ..... + Signal Red ..... - Signal
Safe Overload:	150% Full scale	Warranty:	2-year limited warranty
Rated Excitation:	10V DC (15V maximum)		
Combined Error:	0.02%		
Non-repeatability:	0.01% Full scale		

### 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 228) SB3
Revere Transducers.....	(see page 261) SSB
Artech .....	SS30610

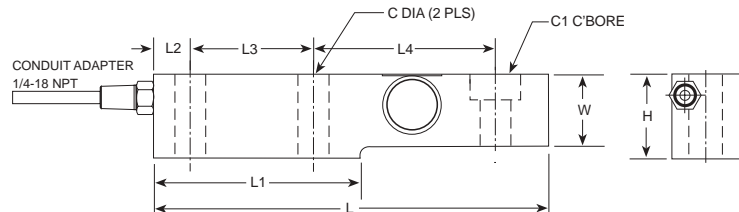
### WEIGH MODULE AVAILABLE

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



# RLSB250 Single-Ended Beam, Stainless Steel

## Welded-seal, NTEP 1:5000 Class III Multiple Cell, IP67



RATED 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/mm</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  
 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'/6.2 m  
 Cable Color Code: Green..... + Excitation  
 Black..... - Excitation  
 White..... + Signal  
 Red..... - Signal  
 Warranty: 2-year limited warranty

### RLSB250 ORDER INFORMATION

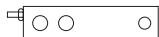
Load Rating	Part #	Suggested List Price
2500 lb (1134.0 kg)	34482	\$600.00

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Cardinal®	SB2500

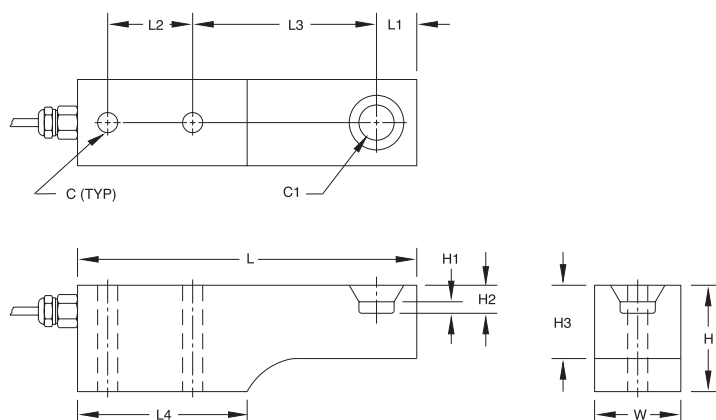
### WEIGH MODULE AVAILABLE

Model	Page #
Mount Kit RL1900	42



# RLSB2 Single-Ended Beam

## Alloy Steel with Blind Load Hole, IP67



RATED CAPACITY	C	C1	H	H1	DIMENSIONS		L	L1	L2	L3	L4	W
					H2	H3						
<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
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/mm</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
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  $\pm$  .07%\* (matched)  
**Bridge Resistance:** 350 ohms, nominal  
**Material/Finish:** High-alloy steel, epoxy coated  
**Temperature:** Compensated range  
15°F to 115°F/-9°C to 46°C  
**Safe Overload:** 150% Full scale  
**Rated Excitation:** 10V DC or AC (15V maximum)  
**Nonlinearity:** 0.03% Full scale  
**Hysteresis:** 0.02% Full scale  
**Insulation Resistance:** 10000 megohms

**Seal Type:** 35,000 & 45,000 lb/15,875.7 & 20,411.7 kg,  
Hermetically-sealed, IP67  
All others, Environmentally-sealed  
**Cable Length:** 1000-5000 lb=10'/3.1 m, 10,000 lb=15'/4.6 m,  
35,000-45,000 lb=30'/9.2 m  
**Cable Color Code:** Green ..... + Excitation  
Black ..... - Excitation  
White ..... + Signal  
Red ..... - Signal  
**Warranty:** 2-year limited warranty

### 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
35,000 lb (15,875.7 kg) .....	17216.....	\$1,595.00
45,000 lb (20,411.7 kg) .....	17217.....	\$1,595.00

\* Matched outputs

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

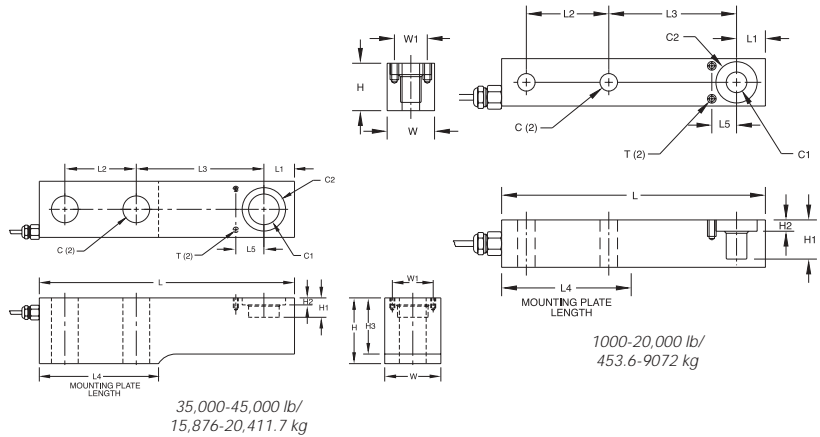
### INTERCHANGEABLE PRODUCTS

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® .....	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)



# RLSB2L/RLSB2M Single-Ended Beam

## Hermetically-sealed, IP67, Alloy Steel/Stainless Steel with Blind Load Hole



RATED CAPACITY	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/mm</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)
Bridge Resistance:	350 ohms, nominal (RLSB2L) 2000 ohms (RLSB2M, 45,000 lb)
Material/Finish:	1000-10,000 lb - Stainless steel 20,000-45,000 lb - High-alloy steel, epoxy coated
Temperature:	Compensated range 15°F to 115°F/-9°C to 46°C
Safe Overload:	150% Full scale
Rated Excitation:	10V DC/AC (15V maximum)
Nonlinearity:	0.03% Full scale
Hysteresis:	0.03% Full scale

Insulation Resistance:	10000 megohms
Seal Type:	35,000 & 45,000 lb/15,875.7 & 20,411.7 kg, Hermetically-sealed, IP67 All others - environmentally protected
Cable Length:	1000-5000 lb=10'/3.1 m, 10,000-20,000 lb=15'/4.6 m, 35,000-45,000 lb=30'/9.2 m
Cable Color Code:	Green.....+ Excitation Black.....- Excitation White.....+ Signal Red.....- Signal
Warranty:	2-year limited warranty

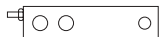
### RLSB2L/RLSB2M ORDER INFORMATION

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
<b>RLSB2M</b>		
*35,000 lb (15,875.7 kg)	65234	\$1,495.00
45,000 lb (20,411.7 kg) 350Ω	22279	\$1,565.00
*45,000 lb (20,411.7 kg) 2000Ω	31915	\$1,565.00

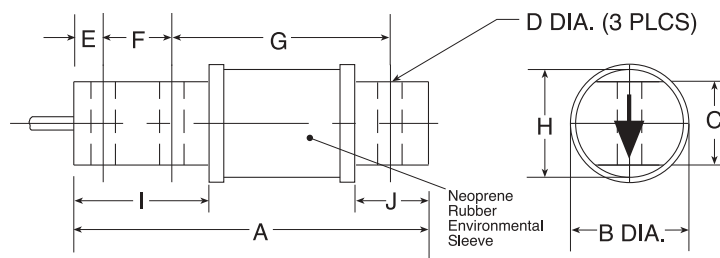
\* Hermetically-sealed

### 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

**kg/mm**  
11.3-226.8

## DIMENSIONS

	A	B	C	D	E	F	G	H	I	J
lb/inches	2.81	1.30	.62	.26	.25	.50	1.81	1.00	1.00	.50
kg/mm	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

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"/.20 mm, 100 lb = .010"/.25 mm, 150 lb = .012"/.30 mm, 250 lb = .016"/.41 mm, 500 lb = .025"/.64 mm

Seal Type: Environmentally-sealed with neoprene sleeve, IP65

Cable Length: 20'/6.1 m

Cable Color Code: Red ..... + Excitation  
Black ..... - Excitation  
Green ..... + Signal  
White ..... - Signal

Warranty: 2-year limited warranty

## 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

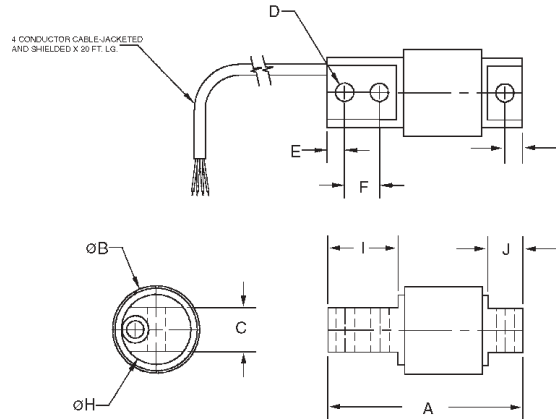
Manufacturer	Model
Vishay Sensortronics .....	(see page 301) 60040
Artech .....	50210
Revere Transducers .....	5503
Rice Lake Weighing Systems .....	(see page 123) RL50210SS

## WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA .....	30



# RL50210SS Single-Ended Beam, Stainless Steel, IP67



## RATED CAPACITY

lb/inches  
25-500

kg/mm  
11.3-226.8

	DIMENSIONS									
	A	B	C	D	E	F	G	H	I	J
lb/inches 25-500	2.81	1.30	.62	.26	.25	.50	1.81	1.00	1.00	.50
kg/mm 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: 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"/.20 mm, 100 lb = .010"/.25 mm,  
 150 lb = .012"/.30 mm, 250 lb = .016"/.41 mm,  
 500 lb = .025"/.64 mm  
 Seal Type: Environmentally-sealed, IP67  
 Cable Length: 20'/6.1 m  
 Cable Color Code: Red ..... + Excitation  
 Black ..... - Excitation  
 Green ..... + Signal  
 White ..... - Signal  
 Warranty: 2-year limited warranty

## 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

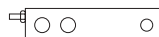
## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	(see page 301) 60040
Artech	50210
Revere Transducers	5503
Rice Lake Weighing Systems	(see page 122) RL50210

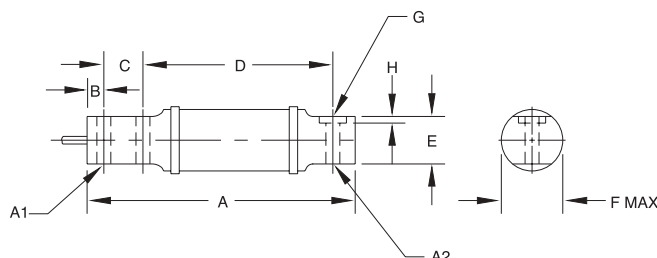
## WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	30





# RL40BBS Single-Ended Beam, Alloy Steel, IP65



RATED 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/mm</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 2500 lb/347 ohms, nominal	Deflection at Capacity:	50 lb = .015"/.38 mm, 100 lb = .005"/.64 mm, 200-250 lb = .030"/.76 mm, 500 lb = .020"/.51 mm, 1000 lb = .040"/1.02 mm, 2500 lb = .120"/3.05 mm
Material/Finish:	High-alloy steel, nickel plated	Seal Type:	Environmentally-sealed with neoprene sleeve, IP65
Temperature:	Compensated range 15°F to 115°F/-9°C to 46°C	Cable Length:	10'/3.1 m
Safe Overload:	150% Full scale	Cable Color Code:	Green.....+ Excitation Black.....- Excitation White.....+ Signal Red.....- Signal
Rated Excitation:	10V AC/DC (15V maximum)	Warranty:	2-year limited warranty
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

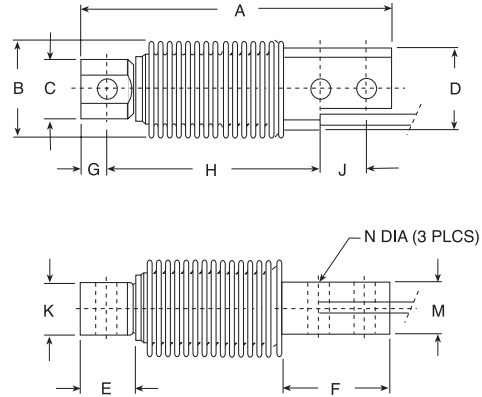
## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
HBM	(see page 226) BBS
Vishay Sensortronics	60007
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/mm												
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 ≤ .4 mm/.015"
Seal Type:	Hermetically-sealed, IP68
Cable Length:	3 m/10'
Cable Color Code:	Blue ..... + Excitation Black ..... - Excitation White ..... + Signal Red ..... - Signal Green ..... + Sense Gray ..... - Sense
Warranty:	2-year limited warranty

### 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

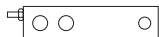
Manufacturer	Model
HBM .....	(see page 230) Z6*
Revere Transducers.....	(see page 260) SHB
Vishay TedeA-Huntleigh .....	(see page 328) 355
Vishay Celtron .....	(see page 185) HBB**

### WEIGH MODULE AVAILABLE

Model	Page #
1700HE Series .....	14

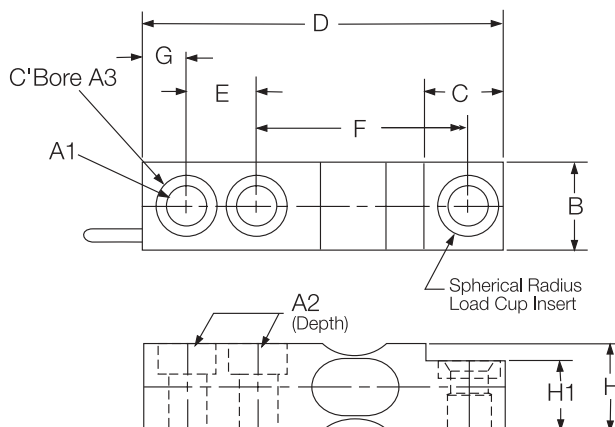
\* Non-NTEP

\*\* Non-NTEP, not FM-approved



# RLMK15 Single-Ended Beam, Stainless Steel

## Welded-seal, IP67



### RATED CAPACITY

**lb/inches**  
500-4000

**kg/mm**  
226.8-1814.4

	A1	A2	A3	B	C	D	E	F	G	H	H1
500-4000	.53 DIA.	.44	.84	1.25	1.12	5.13	1.00	3.00	.63	1.25	1.00
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:	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:	0.03% Full scale
Hysteresis:	0.05% Full scale

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

### 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

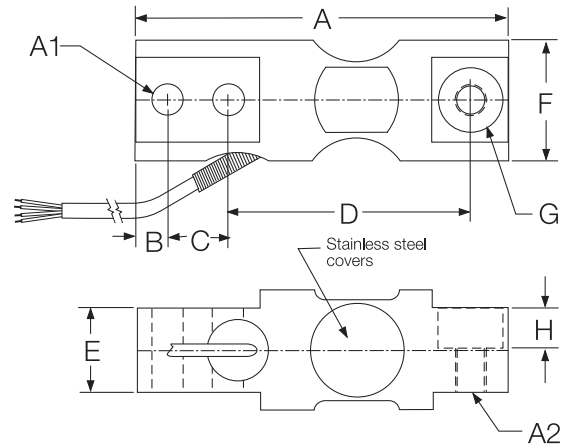
Manufacturer	Model
NCI®	Mark15



# RL32155 Single-Ended Beam, Stainless Steel, IP67



Consult factory



RATED CAPACITY	A	A1	A2	DIMENSIONS		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/mm</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:	200% Full scale
Rated Excitation:	6-15V DC
Nonlinearity:	0.03% Full scale
Hysteresis:	0.05% Full scale
Insulation Resistance:	5000 megohms

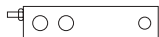
Seal Type:	Environmentally-sealed, IP67
Cable Length:	15'/4.6 m
Cable Color Code:	White ..... + Excitation Blue ..... - Excitation Green ..... + Signal Black ..... - Signal Yellow ..... + Sense Red ..... - Sense Orange ..... Shield
Warranty:	2-year limited warranty

## 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 .....	31911 .....	\$35.00

## INTERCHANGEABLE PRODUCTS

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

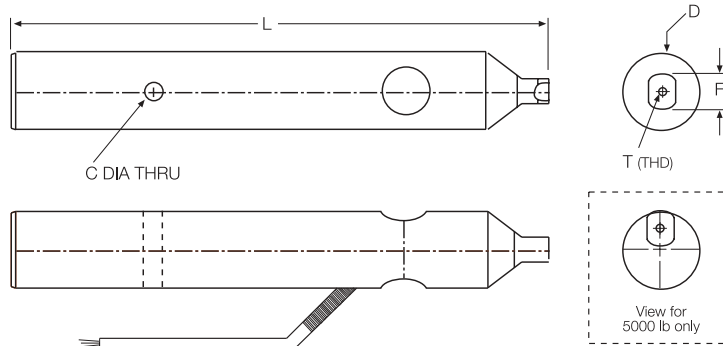


# RL75000 SS Single-Ended Beam, Stainless Steel

## Welded-seal\*, IP67



Welded-seal except  
1250 lb & 10,000 lb



### RATED CAPACITY

	C	D	F	L	T
<b>lb/inches</b>					
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
<b>kg/mm</b>					
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  
 0°F to 150°F/18°C to 65°C  
 Safe Overload: 150% Full scale  
 Rated Excitation: 15V DC  
 Nonlinearity: 0.03% Full scale

Hysteresis: 0.05% Full scale  
 Seal Type: Environmentally-sealed, IP67  
 Cable Length: 20'/6.1 m  
 Cable Color Code: Green ..... + Excitation  
 Black ..... - Excitation  
 White ..... + Signal  
 Red ..... - Signal  
 Orange ..... Shield  
 Warranty: 2-year limited warranty

### 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

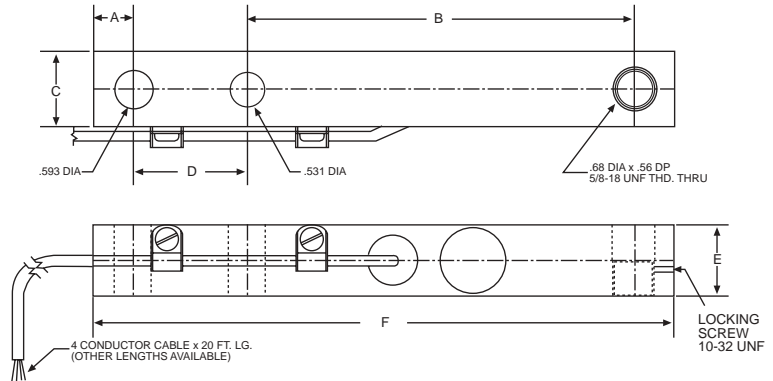
\* Welded-seal

### INTERCHANGEABLE PRODUCTS

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



# RLSBF Single-Ended Beam, Stainless Steel, IP67



## RATED CAPACITY

lb/inches  
1500-2500

A

B

## DIMENSIONS

C

D

E

F

kg/mm  
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  
0°F to 150°F/-18°C to 65°C  
Safe Overload: 200% Full scale  
Rated Excitation: 10V DC (15V maximum)  
Nonlinearity: 0.03% Full scale  
Hysteresis: 0.05% Full scale

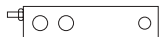
Insulation Resistance: >2000 megohms  
Seal Type: Environmentally-sealed, IP67  
Cable Length: 20'/6.1 m  
Cable Color Code: Green..... + Excitation  
Black..... - Excitation  
White..... + Signal  
Red..... - Signal  
Orange..... Shield  
Warranty: 2-year limited warranty

## RLSBF ORDER INFORMATION

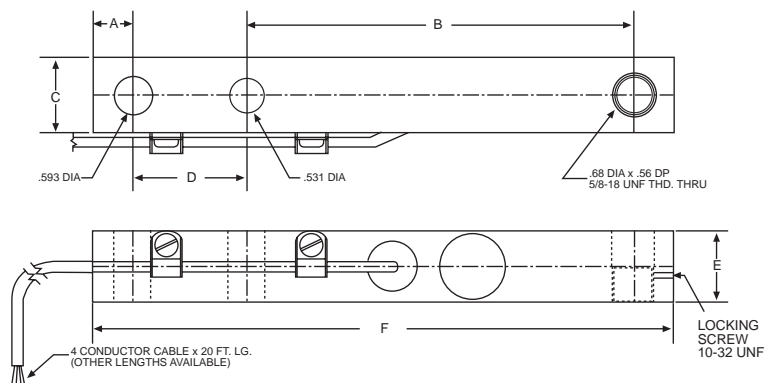
Load Rating	Part #	Suggested List Price
1500 lb (680.4 kg) .....	53284 .....	\$535.00
2500 lb (1134.0 kg) .....	53283 .....	\$535.00
Load Cup .....	69400 .....	\$35.00
Locking Screw .....	14929 .....	\$1.00

## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Fairbanks® .....	3-48424-X, 3-48363-1A
HBM .....	(see page 229) SBF



# RLBLF Single-Ended Beam, Stainless Steel, IP67



## RATED CAPACITY

lb/inches  
1500-2500

A

B

## DIMENSIONS

C

D

E

F

kg/mm  
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: 1000 ohms, nominal  
Material/Finish: Stainless steel  
Temperature: Compensated range  
0°F to 150°F/-18°C to 65°C  
Safe Overload: 200% 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-sealed, IP67  
Cable Length: 20'/6.1 m  
Cable Color Code: Green..... + Excitation  
Black..... - Excitation  
White..... + Signal  
Red..... - Signal  
Orange..... Shield  
Warranty: 2-year limited warranty

## RLBLF ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1500 lb (680.4 kg) .....	53285.....	\$535.00
2500 lb (1134 kg) .....	53286.....	\$535.00
Load Cup .....	69400.....	\$35.00
Locking Screw.....	14929.....	\$1.00

## INTERCHANGEABLE PRODUCTS

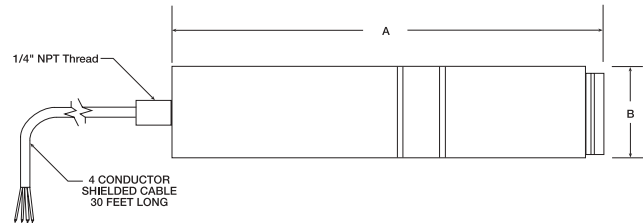
Manufacturer	Model
Fairbanks® .....	3-53581-X, 3-52921-1
HBM .....	(see page 227) BLF





# RLBEAM Single-Ended Beam, Stainless Steel

## Hermetically-sealed, IP68



### RATED CAPACITY

#### lb/inches

1125	(5 kN)
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/mm

510.3	(5 kN)
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 with voltage applied
Material/Finish:	Stainless steel
Temperature:	Compensated range 0°F to 150°F/18°C to 65°C
Safe Overload:	300% Full scale
Rated Excitation:	6-15V DC
Nonlinearity:	0.05% Full scale

Hysteresis:	0.03% Full scale
Seal Type:	Hermetically-sealed, IP68
Cable Length:	30'/9.1 m
Cable Color Code:	Green ..... + Excitation Black ..... - Excitation White ..... + Signal Red ..... - Signal
Warranty:	2-year limited warranty

### RLBEAM ORDER INFORMATION

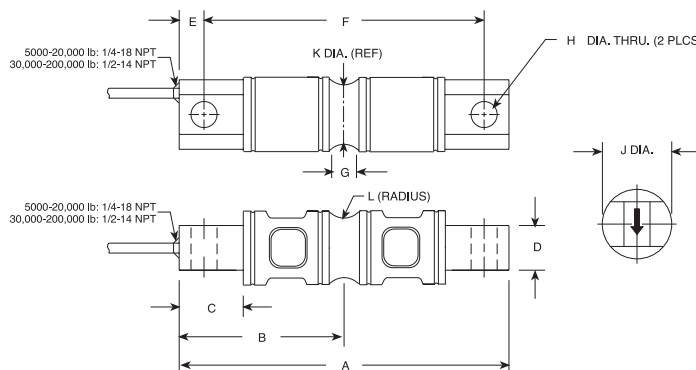
Load Rating	Part #	Suggested List Price
1125 lb (5kN*)	(510.3 kg).....73730	\$1,210.00
2250 lb (10kN*)	(1020.6 kg).....47845	\$1,210.00
4500 lb (20kN*)	(2041.2 kg).....47846	\$1,210.00
11,250 lb (50kN*)	(5,102.9 kg).....47847	\$1,810.00
22,500 lb (100kN*)	(10,205.8 kg).....47848	\$1,865.00
45,000 lb (200kN*)	(20,411.7 kg).....47849	\$2,490.00

\* kN = Kilonewtons, 1 kN = 224.8089 lb



# 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	1.50
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
250,000											
<b>kg/mm</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
113,398.0											

### SPECIFICATIONS:

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

### 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
<b>Non-NTEP</b>		
250,000 lb (113,398.0 kg) .....	36978.....	\$2,775.00

### INTERCHANGEABLE PRODUCTS

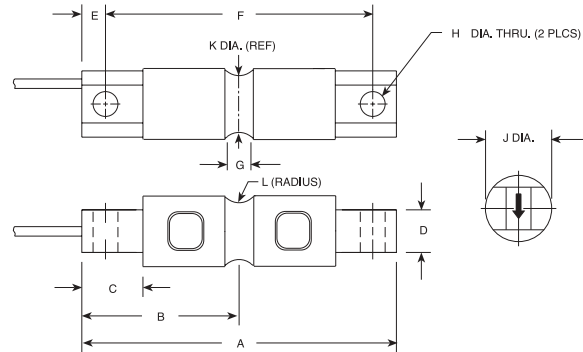
Manufacturer	Model
Revere Transducers.....	(see page 262) 5103
Artech .....	70210

### WEIGH MODULE AVAILABLE

Model	Page #
EZ Mount 1 .....	56



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



RATED 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	1.50
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/mm</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"/.5 mm, 10,000 lb = .025"/.6 mm, 20,000 lb = .042"/1.1 mm, 30,000-50,000 lb = .02"/.5 mm, 60,000 lb = .025"/.6 mm, 100,000-150,000 lb = .02"/.5 mm
Bridge Resistance:	700 ohms, nominal	Seal Type:	Environmentally-sealed, IP67
Material/Finish:	Stainless steel	Cable Length:	30'/9.2 m
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal Orange..... Shield
Safe Overload:	150% Full scale	Warranty:	2-year limited warranty
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* (must be factory installed to maintain warranty)</b>		
3/8-24 Nipple .....	31533* .....	\$25.00
3/8-24 to 1/4-18 NPT .....	31534* .....	\$25.00
5/8-18 UNF/1/2-14 NPT .....	31535** .....	\$35.00

## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems .....	(see page 134) RL71000 HE
Revere Transducers .....	(see page 263) 9103
Artech .....	SS70210

## WEIGH MODULE AVAILABLE

Model	Page #
EZ Mount 1 .....	58

\* 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

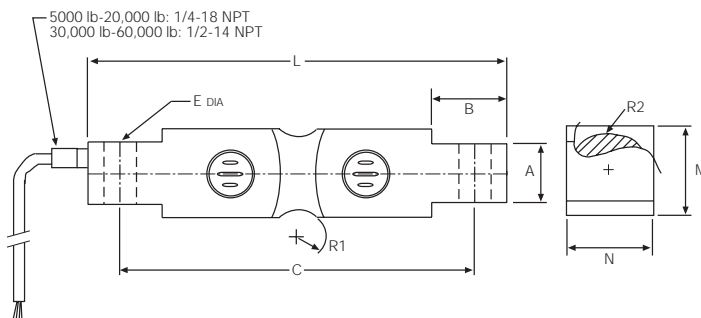


# RL71000 HE Double-Ended Beam, Stainless Steel

## Hermetically-sealed, IP66/68



Consult factory



RATED CAPACITY	A	B	C	DIMENSIONS					
				E	R1	R2	L	M	N
<b>lb/inches</b>									
5000-20,000	1.14	1.44	6.88	.68	.50	1.48	8.12	1.71	1.71
30,000-60,000	2.38	1.88	8.50	1.06	1.00	2.73	10.25	3.03	3.03
<b>kg/mm</b>									
2268-9072	28.9	36.5	174.7	17.2	12.7	37.5	206.2	43.43	43.43
13,608-27,216	60.4	47.7	215.9	26.9	25.4	69.3	260.3	76.96	76.96

### SPECIFICATIONS:

Full Scale Output:	3.0 mV/V
Bridge Resistance:	700 ohms, nominal with voltage applied*
Material/Finish:	Stainless steel
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C
Safe Overload:	200% Full scale
Side Load:	100% Full scale
Rated Excitation:	6-15 VDC
Nonlinearity:	0.03% Full scale

Hysteresis:	0.05% Full scale
Insulation Resistance:	5000 megohms
Seal Type:	Hermetically-sealed, IP66/68
Cable Length:	25'/7.6 m
Cable Color Code:	Red.....+ Excitation Black.....- Excitation Green.....+ Signal White.....- Signal Orange.... Shield
Warranty:	2-year limited warranty

### 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

\* Consult factory for IS applications

### INTERCHANGEABLE PRODUCTS

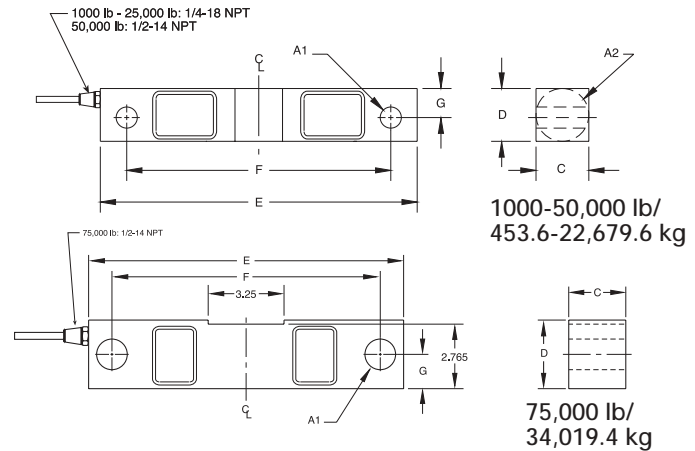
Manufacturer	Model
Rice Lake Weighing Systems .....	(see page 133) RL70000 SS
Revere Transducers .....	(see page 263) 9103

### WEIGH MODULE AVAILABLE

Model	Page #
EZ Mount 1 .....	60



# RL75016 Double-Ended Beam, Alloy Steel, IP67



RATED CAPACITY	A1	A2	DIMENSIONS				
			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/mm</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

## SPECIFICATIONS:

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

## 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

\* 75,000 lb capacity has a square center

## INTERCHANGEABLE PRODUCTS

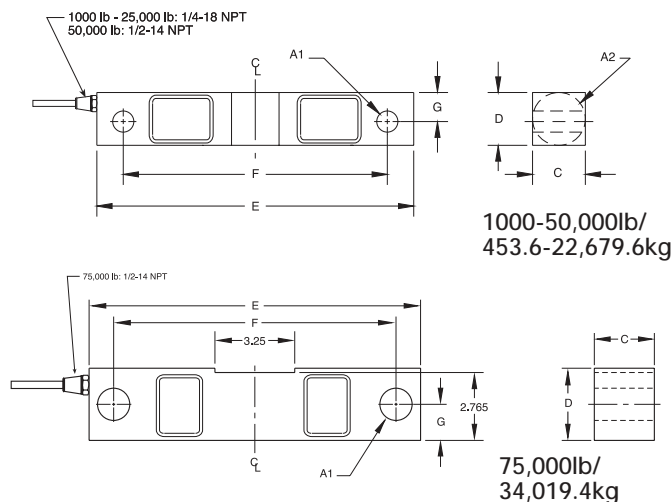
Manufacturer	Model
Vishay Celtron	(see page 187) DSR
Vishay Sensortronics	(see page 311) 65016
Artech	70510
Revere Transducers	5203

## WEIGH MODULE AVAILABLE

Model	Page #
RL1600 Series	62 and 64



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



RATED CAPACITY	A1	A2	DIMENSIONS				
			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/mm</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

## 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  
**Safe Overload:** 150% Full scale  
**Rated Excitation:** 10V DC (15V maximum)  
**Nonlinearity:** 0.03% Full scale  
**Hysteresis:** 0.02% Full scale  
**Insulation Resistance:** 2000 megohms

**Deflection at Capacity:** 1000-3000 lb = .01"/.3 mm, 5000 lb = .015"/.4 mm  
10,000-20,000 lb = .022"/.6 mm, 25,000 lb = .036"/.9 mm  
50,000 lb = .052"/1.3 mm, 75,000 lb = .07"/1.8 mm

**Seal Type:** Environmentally-sealed, IP67  
**Cable Length:** 25'/7.6 m  
**Cable Color Code:** Red ..... + Excitation  
Black ..... - Excitation  
Green ..... + Signal  
White ..... - Signal

**Warranty:** 2-year limited warranty

## 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

\* 75,000 lb capacity has a square center

## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems .. (see page 137)	RL75016 WHE*
Vishay Sensortronics .....	(see page 312) 65016W
Vishay Sensortronics .....	(see page 313) 65016WH*
Revere Transducers .....	9203
Vishay Celtron .....	(see page 188) DSR-HSS

## WEIGH MODULE AVAILABLE

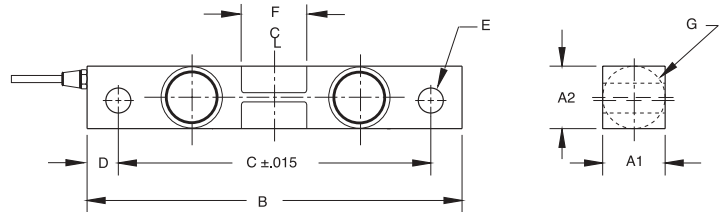
Model	Page #
RL1600 Series .....	66

\* Hermetically-sealed



# RL75016 WHE Double-Ended Beam, Stainless Steel

## Hermetically-sealed, IP66/68



RATED CAPACITY	A1	A2	B	DIMENSIONS					CONDUIT ADAPTER
				C	D	E	F	G	
<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
<b>kg/mm</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	

### 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
Safe Overload:	180% Full scale
Rated Excitation:	10V DC
Total Error:	0.03% Full scale

Insulation Resistance:	>2000 megohms
Seal Type:	Hermetically-sealed, IP66/68
Cable Length:	25'/7.6 m
Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	2-year limited warranty

### RL75016 WHE ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg) .....	67043.....	\$595.00
1500 lb (680.4 kg) .....	67044.....	\$595.00
2000 lb (907.2 kg) .....	67045.....	\$595.00
2500 lb (1124.0 kg) .....	67046.....	\$595.00
5000 lb (2268.0 kg) .....	67047.....	\$595.00
10,000 lb (4535.9 kg) .....	67048.....	\$675.00
15,000 lb (6803.9 kg) .....	67049.....	\$675.00
20,000 lb (9071.8 kg) .....	67050.....	\$675.00
25,000 lb (11,339.8 kg) .....	67051.....	\$675.00

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems .....	(see page 136) RL75016 SS*
Vishay Sensortronics .....	(see page 312) 65016W
Vishay Sensortronics .....	(see page 313) 65016WH

\* Environmentally-sealed, IP67

### WEIGH MODULE AVAILABLE

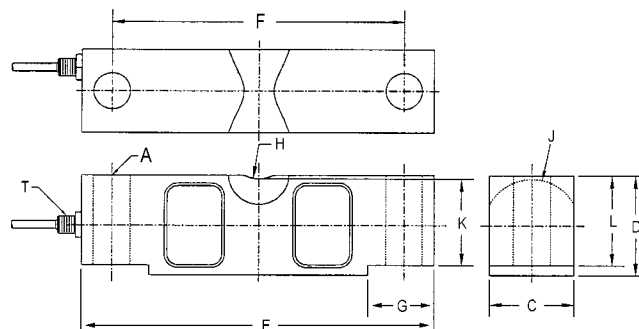
Model	Page #
RL1600 Series .....	66





# RL75058 Double-Ended Beam, Alloy Steel

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



RATED CAPACITY	A	C	D	DIMENSIONS		G	H	J	K	L	T
				E	F						
<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	1/4-18 NPT
40,000	.81	1.94	2.44	10.25	8.50	1.93	1.00	1.12	2.00	2.10	1/4-18 NPT
50,000-75,000	1.06	2.44	2.94	10.25	8.50	1.93	1.00	1.37	2.54	2.65	1/2-14 NPT
100,000-125,000	1.62	2.90	3.86	15.25	12.75	3.13	1.50	1.80	3.30	3.43	1/2-14 NPT
<b>kg/mm</b>											
4536.1-11,339.8	17.3	42.9	49.3	196.9	165.1	35.1	19.1	22.9	41.4	43.2	1/4-18 NPT
18,143.7	20.6	49.3	62.0	260.4	215.9	49.0	25.4	28.5	50.8	53.3	1/4-18 NPT
22,679.6-34,019.4	26.9	62.0	74.7	260.4	215.9	49.0	25.4	34.8	64.5	67.3	1/2-14 NPT
45,359.4-56,699.1	41.2	73.7	98.0	387.4	323.9	79.5	38.1	45.7	83.8	87.1	1/2-14 NPT

### 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-sealed, IP67
Cable Length:	35'/10.6 m
Cable Coloring:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	2-year limited warranty

### 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.....	\$925.00
75,000 lb (34,019.4 kg) .....	39516.....	\$925.00
*75,000 lb (34,019.4 kg) .....	73839.....	\$995.00
<b>100' Cable</b>		
75,000 lb (34,019.4 kg) .....	74725.....	\$995.00

\* Stainless steel overbraid cable

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics .....	(see page 314) 65058
Vishay Celtron .....	(see page 189) CLB

### WEIGH MODULE AVAILABLE

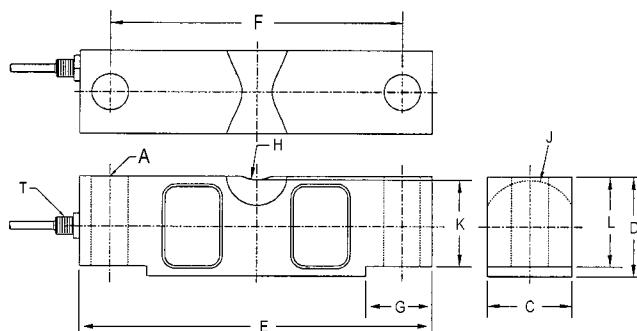
Model	Page #
2100HE.....	18
MVS.....	70
TSA.....	72

LE refers to large envelope



# 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	T
<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	1/4-18 NPT
35,000-75,000	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/mm</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:	3.0mV/V (RL75060S)
Bridge Resistance:	700 ohms, nominal
Material/Finish:	Stainless steel
Temperature:	Compensated range 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:	Welded-seal, IP67
Cable Length:	35'/10.6 m
Cable Coloring:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	2-year limited warranty

### RL75060S ORDER INFORMATION

Load Rating	Part #	Suggested List Price
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
Vishay Sensortronics .....	(see page 315) 65058 S

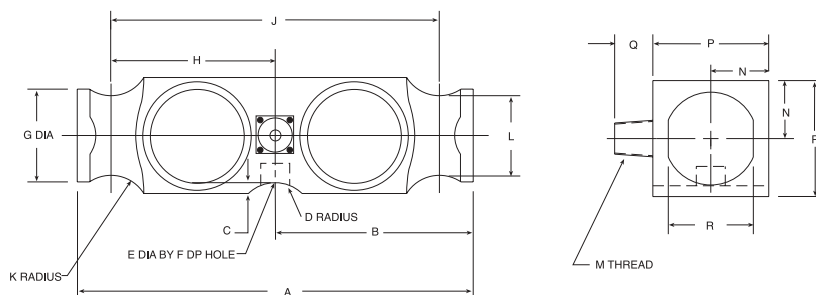
### WEIGH MODULE AVAILABLE

Model	Page #
2100HE .....	18
MVS .....	70
TSA .....	72



# 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/mm</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
Bridge Resistance:	700 ohms, nominal
Material/Finish:	High-alloy steel, epoxy painted
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 (20V maximum)
Non-repeatability:	0.01% Full scale

Combined Error:	0.03% Full scale
Insulation Resistance:	5000 megohms
Deflection at Capacity:	50,000 lb = .018"/.5 mm, 65,000 lb = .022"/.6 mm, 100,000 lb = .034"/.9 mm
Seal Type:	Welded-seal strain gauge*, IP67
Cable Length:	40'/12.2 m
Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	2-year limited warranty

### 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

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

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Revere Transducers .....	(see page 264) 5223
Artech .....	80210
Thurman® .....	TSC 800
Vishay Celtron .....	(see page 190) HED

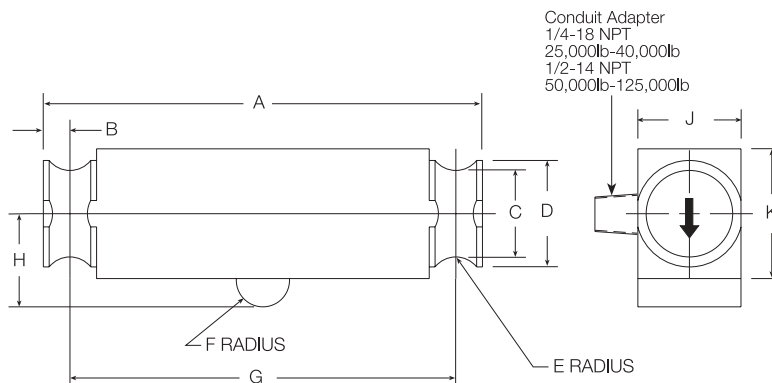
### WEIGH MODULE AVAILABLE

Model	Page #
Translink .....	78



# RL75040 Double-Ended Beam, Alloy Steel

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



### RATED CAPACITY

#### lb/inches

25,000-40,000 & 60,000 SE	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

#### kg/mm

11,339.8-18,143.7 & 27,215.5 SE	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

### DIMENSIONS

### 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:	1000 megohms
Seal Type:	Environmentally-sealed, IP67
Cable Length:	35'/10.6 m or 50'/15.2 m—See order info. below
Cable Coloring:	Red ..... + Excitation Black..... - Excitation Green..... + Signal White ..... - Signal
Warranty:	2-year limited warranty

### RL75040 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
<b>35 ft Cable</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 Cable</b>		
60,000 lb SE (27,215.5 kg) .....	53593.....	\$760.00

<b>50 ft Cable</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

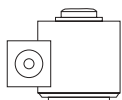
SE refers to small envelope

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics .....	(see page 317) 65040A
Artech .....	80310
Thurman® .....	TSC 840
Vishay Celtron .....	(see page 191) DLB

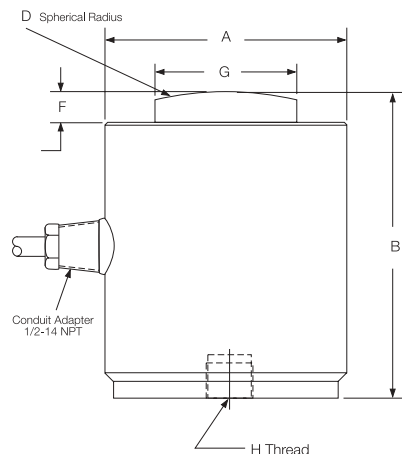
### WEIGH MODULE AVAILABLE

Model	Page #
Translink .....	78



# RLCSP1 Compression Canister, Stainless Steel

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



RATED CAPACITY	DIMENSIONS							DEPTH
	A	B	D	F	G	H		
<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/mm</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 (15V 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"/.076 mm  
 100,000-200,000 lb = .006"/.152 mm  
**Seal Type:** Welded-seal, IP67  
**Cable Length:** 35'/10.7 m  
**Cable Color Code:** Green..... + Excitation  
 Black..... - Excitation  
 White..... + Signal  
 Red..... - Signal  
 Orange..... Shield  
**Warranty:** 2-year limited warranty

### RLCSP1 ORDER INFORMATION

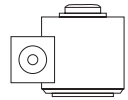
Load Rating	Part #	Suggested List Price
25,000 lb (11,339.8 kg) .....	32702.....	\$1,505.00
50,000 lb (22,679.6 kg) .....	32701.....	\$1,505.00
100,000 lb (45,359.2 kg) .....	32700.....	\$1,685.00
200,000 lb (90,718.5 kg) .....	32699.....	\$2,205.00

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics .....	65088-1000
Revere Transducers.....(see page 268) CSP	
Revere Transducers.....	692B
Howe Richardson® .....	244699-000X
Streeter Amet .....	3760XXX

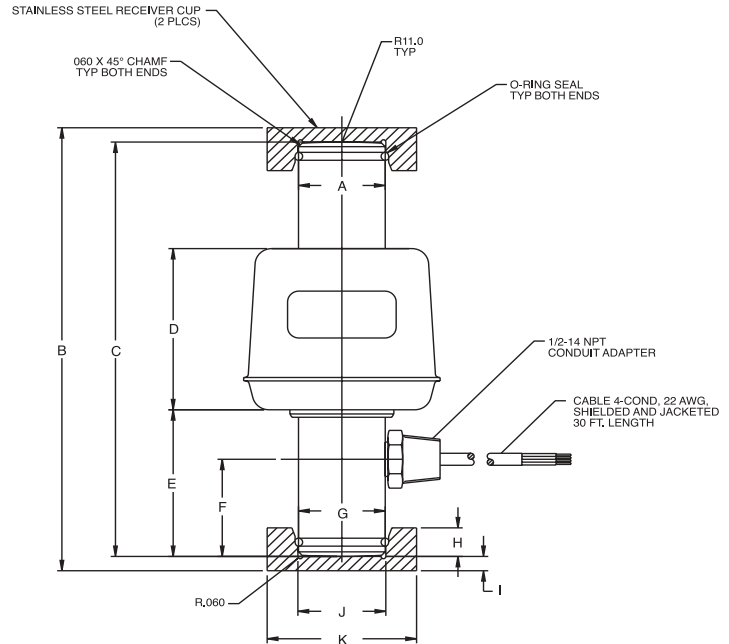
### WEIGH MODULE AVAILABLE

Model	Page #
MagnaMount® .....	82



# RLSCA-50K Rocker Column, Stainless Steel

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



RATED CAPACITY	DIMENSIONS										
	A	B	C	D	E	F	G	H	I	J	K
<b>lb/inches</b>											
50,000	1.46	7.75	7.25	2.82	2.57	1.70	1.46	.50	.25	1.48	2.50
<b>kg/mm</b>											
22,679.6	37.0	196.8	184.1	71.6	65.2	43.1	37.0	12.7	6.35	37.5	63.5

### SPECIFICATIONS:

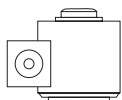
Full Scale Output:	2 mv/V nominal	Insulation Resistance:	1000 megohms
Bridge Resistance:	1050 ohms	Seal Type:	Welded-seal, IP67
Material/Finish:	Stainless Steel	Cable Length:	30'/9 m
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Color Code:	Green.....+ Excitation Black.....- Excitation White.....- Signal Red.....+ Signal
Safe Overload:	150% Full scale	Warranty:	2-year limited warranty
Rated Excitation:	5-15V DC		
Combined Error:	.025% Full scale		
Non-repeatability:	.01% Full scale		

### RLSCA ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50,000 lb (22,679.6 kg) .....	68918.....	\$995.00

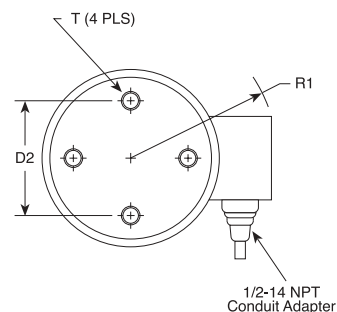
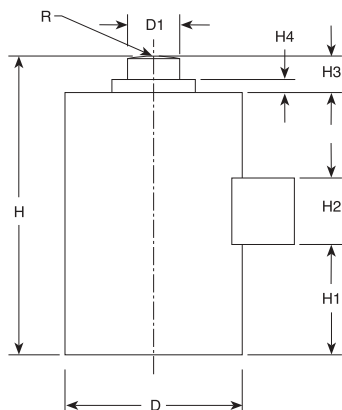
### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Cardinal® .....	SCA-50K



# RL8C2P1SS Compression Canister, Stainless Steel

## Hermetically-sealed, IP68, NTEP 1:10,000 Class IIIL Multiple Cell



### RATED CAPACITY

	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	1.17	.75	.75	.25	8.00	3.75	3/8-24 UNF-2B X .63 D
100,000	5.75	1.75	4.00	9.13	2.00	.87	1.05	.17	12.00	4.05	1/2-20 UNF-2B X .75 D
200,000	7.50	2.50	5.50	11.63	2.93	.97	.97	.17	12.00	5.11	5/8-18 UNF-2B X 1.00 D
<b>kg/mm</b>											
22,679.6	114.3	31.8	53.4	190.5	77.7	19.1	19.1	6.4	203.2	95.3	3/8-24 UNF-2B X .63 D
45,359.2	146.1	44.5	101.6	231.9	66.0	22.1	26.6	4.3	304.8	102.9	1/2-20 UNF-2B X .75 D
90,718.5	190.5	63.5	139.7	295.4	100.0	24.6	24.6	4.3	304.8	129.8	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 (15V maximum)  
**Non-repeatability:** 0.01% Full scale  
**Combined Error:** 0.03% Full scale

**Insulation Resistance:** >1000 megohms  
**Deflection at Capacity:** 50,000 lb = .004"/102 mm,  
 100,000 lb = .006"/.152 mm,  
 200,000 lb = .009"/.228 mm  
**Seal Type:** Hermetically-sealed, IP68  
**Cable Length:** 35'/10.7 m  
**Cable Color Code:** Green..... + Excitation  
 Black..... - Excitation  
 White..... + Signal  
 Red..... - Signal  
 Orange..... Shield  
**Warranty:** 2-year limited warranty

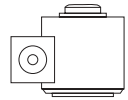
### RL8C2P1SS ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50,000 lb (22,679.6 kg)	34855	\$1,500.00
100,000 lb (45,359.2 kg)	34856	\$1,500.00
200,000 lb (90,718.5 kg)	34857	\$2,000.00

### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Revere Transducers	(see page 269) 792

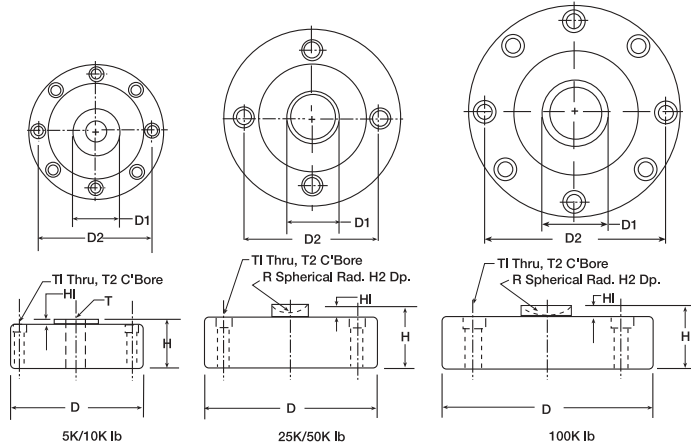




# RL90000 Compression\* Disk, Alloy Steel



25,000 lb model shown.  
Load cup sold separately on  
5,000 and 10,000 lb models.



RATED CAPACITY	DIMENSIONS									
	T	R	D	D1	D2	H	H1	H2	T1	T2
<b>lb/inches</b>										
5000*-10,000*	5/8-18 UNF-3B	—	4.12	1.26	3.50	1.37	.12	—	.28	.406 x .283 DP
25,000-50,000	—	.875	4.75	1.53	4.00	2.12	.50	.30	.34	.508 x .38 DP
100,000	—	.875	5.50	1.98	4.60	2.25	.25	.30	.41	.626 x .4 DP
<b>kg/mm</b>										
2268.0*-4539.9*	5/8-18 UNF-3B	—	104.6	32.0	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	38.9	101.6	53.8	12.7	12.7	8.7	12.9 x 9.7 DP
45,359.4	—	22.2	139.7	50.4	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 14°F to 104°F/-10°C to 40°C
Safe Overload:	150% Full scale
Rated Excitation:	15V DC (15V maximum)
Nonlinearity	0.05% Full scale

Hysteresis:	0.02% Full scale
Insulation Resistance:	2000 megohms
Seal Type:	Environmentally-sealed
Cable Length:	50'/15.2 m
Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	2-year limited warranty

## 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

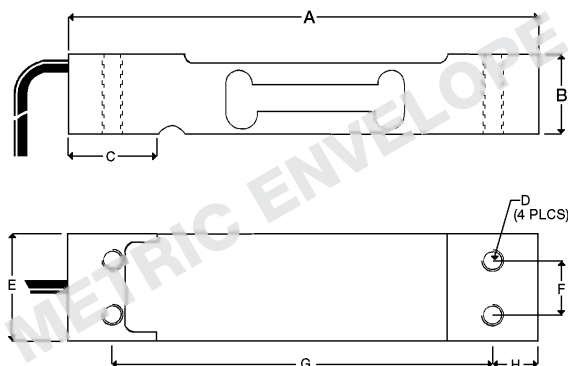
Load cup, part #33616, is required for compression applications on 5000 lb and 10,000 lb capacity load cells

## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron .....	(see page 196) LCD



# RL1521A Single Point, Aluminum NTEP 1:5000 Class III Single Cell



## RATED CAPACITY

## DIMENSIONS

	A	B	C	D	E	F	G	H
<b>kg/mm</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-sealed  
 Cable Length: .5 m/1.50'  
 Cable Color Code: Green..... + Excitation  
 Black..... - Excitation  
 Red..... + Signal  
 White..... - Signal  
 Platform Size: 13.75" x 13.75"  
 Warranty: 2-year limited warranty

## RL1521A ORDER INFORMATION

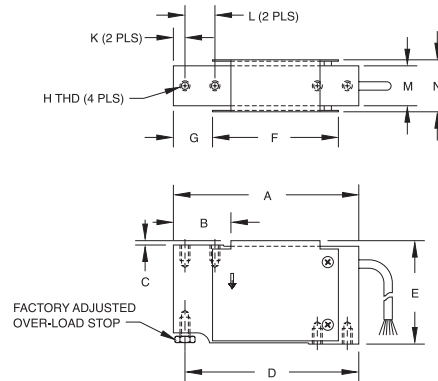
Load Rating	Part #	Suggested List Price
3 kg (6.6 lb) .....	50620.....	\$140.00
5 kg (11 lb) .....	50619.....	\$140.00
7 kg (15.4 lb) .....	50621.....	\$140.00
10 kg (22.1 lb) .....	50622.....	\$140.00
15 kg (33.1 lb) .....	50623.....	\$140.00
20 kg (44.1 lb) .....	50624.....	\$140.00
30 kg (66.1 lb) .....	50625.....	\$140.00
35 kg (110.2 lb) .....	50626.....	\$140.00

## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron .....	(see page 192) LPS
Vishay BLH .....	C2G1
Fairbanks® .....	4900 Series Checkweighers
NMB® .....	C2G1
Vishay Tedea-Huntleigh .....	(see page 329) 1022



# RL1010 Potted and Unpotted Single Point, Aluminum NTEP 1:5000 Class III Single Cell



RATED CAPACITY	A	B	C	D	E	F	G	H	K	L	M	N
<b>kg/mm</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
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% at center of loading point, full scale
Rated Excitation:	10V DC/AC (15V maximum)
Total Error:	.02% Full scale
Insulation Resistance:	5000 megohms
Deflection at Capacity:	3-90 kg ≤ .4 mm/.015"

Seal Type:	Potted & unpotted models available
Cable Length:	Potted 3.1 m/10', unpotted 0.9 m/3"
Cable Color Code:	Green ..... + Excitation Black ..... - Excitation Blue ..... + Sense Brown ..... - Sense Red ..... + Signal White ..... - Signal
Platform Size:	15.75" x 15.75"
Warranty:	2-year limited warranty

## RL1010 ORDER INFORMATION

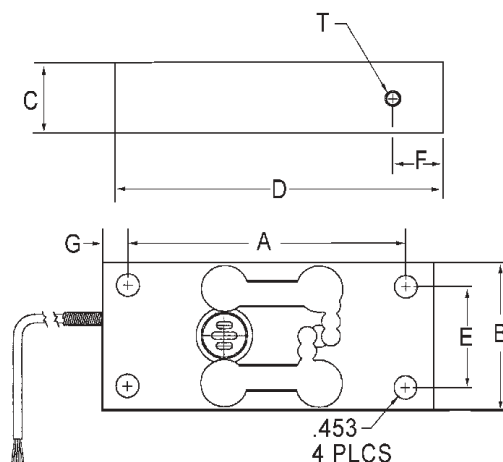
Load Rating	Part #	Suggested List Price
<b>Non-NTEP, Potted</b>		
7 kg (15.4 lb) .....	17529 .....	\$195.00
10 kg (22.1 lb) .....	17530 .....	\$195.00
15 kg (33.1 lb) .....	17531 .....	\$195.00
20 kg (44.1 lb) .....	17532 .....	\$195.00
30 kg (66.1 lb) .....	17533 .....	\$195.00
50 kg (110.2 lb) .....	17534 .....	\$195.00
90 kg (198.4 lb) .....	17535 .....	\$195.00
<b>Non-NTEP, 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
Vishay Tedea-Huntleigh .....	(see page 330) 1010



# RL800WT Single Point, Stainless Steel, IP67



RATED CAPACITY	DIMENSIONS						
	A	B	C	D	E	F	T
<b>lb/inches</b>							
30-50	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/mm</b>							
13.6-22.7	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, nominal w/voltage applied
Material/Finish:	Stainless Steel
Temperature:	Compensated range -0°F to 150°F/-18°C to -65°C
Safe Overload:	200% Full scale
Rated Excitation:	10V DC (15V maximum)
Total Error:	0.02% Full scale
Hysteresis:	0.02% Full scale

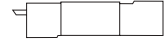
Insulation Resistance:	5000 megohms
Seal Type:	Environmentally-sealed, IP67
Cable Length:	10'/3.1 m
Cable Color Code:	Green..... + Excitation Black..... - Excitation White..... + Signal Red..... - Signal Orange..... Shield
Warranty:	2-year limited warranty

## RL800WT ORDER INFORMATION

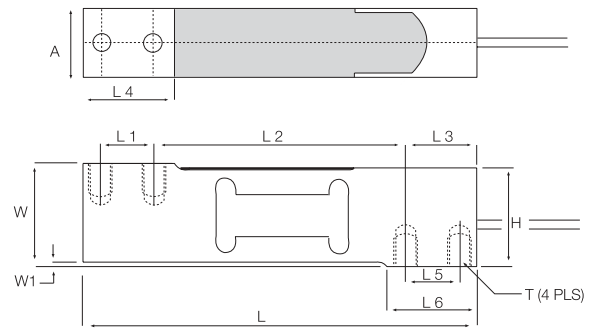
Load Rating	Part #	Suggested List Price
30 lb (13.6 kg)	53295	\$695.00
50 lb (22.7 kg)	53296	\$695.00
100 lb (45.4 kg)	53297	\$695.00
200 lb (90.7 kg)	53298	\$695.00

## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Weigh-Tronix®	FLS



# RL1042 Single Point, Aluminum NTEP 1:5000 Class III Single Cell



RATED CAPACITY	DIMENSIONS										W	W1	T
	A	H	L	L1	L2	L3	L4	L5	L6				
kg/mm													
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	
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 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	Deflection at Capacity:	1-100 kg $\leq$ .4mm/.015"
Bridge Resistance:	350 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	Aluminum	Seal Type:	Environmentally-sealed
Temperature:	Compensated temperature range 14°F to 104°F/-10°C to 40°C	Cable Length:	3.1 m/10'
Manufacturer		Cable Color Code:	Green ..... + Excitation Black ..... - Excitation Blue ..... + Sense Brown ..... - Sense Red ..... + Signal White ..... - Signal
Model Number:	1042-XXXX-001	Warranty:	2-year limited warranty
Safe Overload:	150% Full scale		
Rated Excitation:	10V DC (15V maximum)		
Total Error:	0.02% Full scale		

## RL1042 ORDER INFORMATION

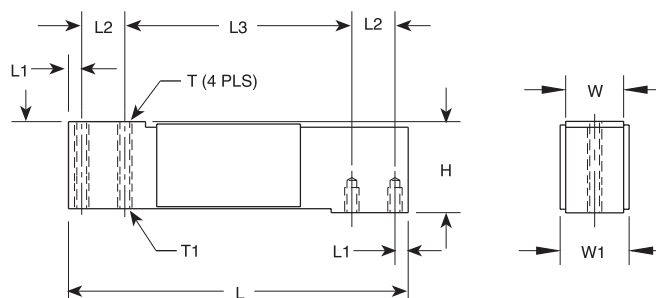
Load Rating	Part #	Suggested List Price
1 kg (2.2 lb) .....	40955.....	\$180.00
3 kg (6.6 lb) .....	40956.....	\$180.00
5 kg (11.0 lb) .....	40957.....	\$180.00
10 kg (22.0 lb) .....	40958.....	\$180.00
15 kg (33.1 lb) .....	40959.....	\$180.00
20 kg (44.1 lb) .....	40960.....	\$180.00
30 kg (66.1 lb) .....	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
Vishay TedeA-Huntleigh .....	(see page 332) 1042
Revere Transducers.....	(see page 277) 642
HBM .....	(see page 234) SP4



# RL1040 Potted and Unpotted Single Point, Aluminum NTEP 1:5000 Class III Single Cell



RATED CAPACITY	H	L	L1	L2	L3	T	T1	W	W1
<b>kg/mm</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:

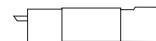
Full Scale Output:	2.0 mV/V	Seal Type:	Environmentally-sealed, potted & unpotted models
Bridge Resistance:	350 ohms, nominal	Cable Length:	3.1 m/10'
Material/Finish:	Anodized aluminum	Cable Color Code:	Green ..... + Excitation Black ..... - Excitation Blue ..... + Sense Brown ..... - Sense Red ..... + Signal White ..... - Signal
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Platform Size:	16" x 16"
Safe Overload:	200% at center loading point, full scale	Warranty:	2-year limited warranty
Rated Excitation:	10V DC/AC (15V maximum)		
Total Error:	.02% Full scale		
Insulation Resistance:	5000 megohms		
Deflection at Capacity:	3-100 kg ≤ .4mm/.015"		

## RL1040 ORDER INFORMATION

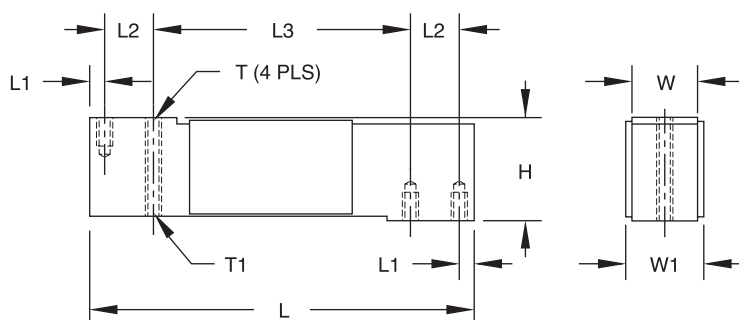
Load Rating	Part #	Suggested List Price
<b>NTEP 1:5000, Potted</b>		
7 kg (15.4 lb) .....	32860.....	\$195.00
10 kg (22.1 lb) .....	32861.....	\$195.00
15 kg (33.1 lb) .....	32862.....	\$195.00
20 kg (44.1 lb) .....	32863.....	\$195.00
30 kg (66.1 lb) .....	32864.....	\$195.00
50 kg (110.2 lb) .....	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
Vishay Celtron .....	(see page 193) LOC
Vishay TedeA-Huntleigh .....	(see page 334) 1040



# RL1140 Potted Single Point, Stainless Steel



RATED CAPACITY	H	L	L1	L2	L3	T	T1	W	W1
<b>kg/mm</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  
**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% at center loading point, full scale  
**Rated Excitation:** 10V DC/AC (15V maximum)  
**Total Error:** .02% Full scale  
**Insulation Resistance:** 5000 megohms  
**Deflection at Capacity:** 15-150 kg ≤ .4mm/.015"

**Seal Type:** Environmentally-sealed, potted  
**Cable Length:** 3.1 m/10'  
**Cable Color Code:** Green ..... + Excitation  
Black ..... - Excitation  
Blue ..... + Sense  
Brown ..... - Sense  
Red ..... + Signal  
White ..... - Signal  
**Platform Size:** 16" x 16"  
**Warranty:** 2-year limited warranty

## 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

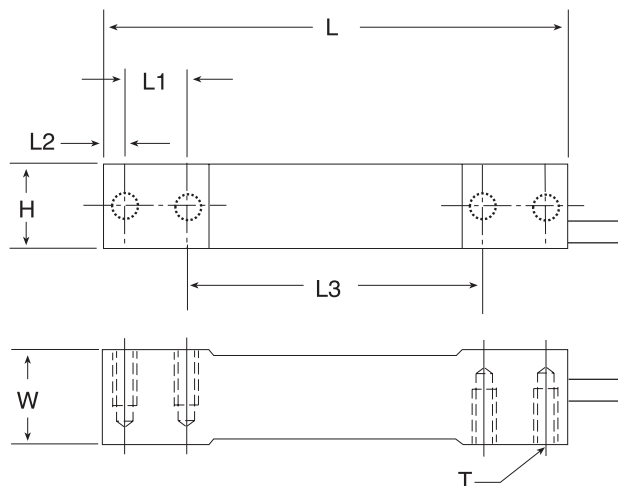
## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay TedeA-Huntleigh .....	(see page 336) 1140



# RL1380 Single Point, Stainless Steel

## NTEP 1:3000 Class III Single Cell, IP67



RATED CAPACITY	H	L	L1	L2	L3	T	W
<b>kg/mm</b>							
7-15	19.1	139.7	19.1	6.4	88.9	1/4-20 UNC X 19.1 DP	30.2
30-60	23.9	139.7	19.1	6.4	88.9	1/4-20 UNC X 19.1 DP	30.2
<b>lb/inches</b>							
15.4-33.1	.75	5.50	.75	.25	3.50	1/4-20 UNC X .75 DP	1.19
66.1-132.3	.94	5.50	.75	.25	3.50	1/4-20 UNC X .75 DP	1.19

### SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Seal Type:	Environmentally-sealed, IP67
Bridge Resistance:	350 ohms	Cable Length:	3.1 m/10'
Material/Finish:	Stainless steel	Cable Color Code:	Green..... + Excitation Black..... - Excitation White..... + Signal Red..... - Signal Yellow..... Shield
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Platform Size:	15.75" x 15.75"
Safe Overload:	150% Full scale	Warranty:	2-year limited warranty
Rated Excitation:	10V AC/DC (15V maximum)		
Combined Error:	0.03% Full scale		
Insulation Resistance:	1000 megohms		

### 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

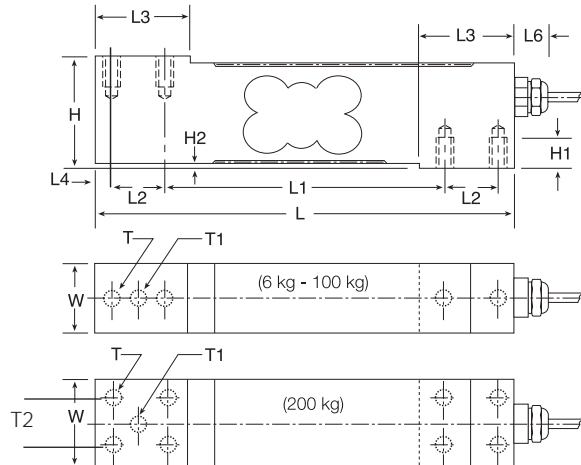
Manufacturer	Model
HBM	(see page 239) PWS





# RL1385 Single-Point, Stainless Steel

## NTEP 1:3000 Class III Single Cell, IP67



RATED CAPACITY	DIMENSIONS													
	H	H1	H2	L	L1	L2	L3	L4	L5	L6	W	T	T2	T1
kg/mm														
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	Insulation Resistance:	5000 megohms
Bridge Resistance:	350 ohms, nominal	Seal Type:	Environmentally-sealed, IP67
Material/Finish:	Stainless steel	Cable Length:	3.1 m/10'
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Color Code:	Green ..... + Excitation Black ..... - Excitation White ..... + Signal Red ..... - Signal Yellow ..... Shield
Safe Overload:	200% Full scale	Warranty:	2-year limited warranty
Rated Excitation:	5V AC/DC (15V maximum)		
Combined Error:	0.02% Full scale		

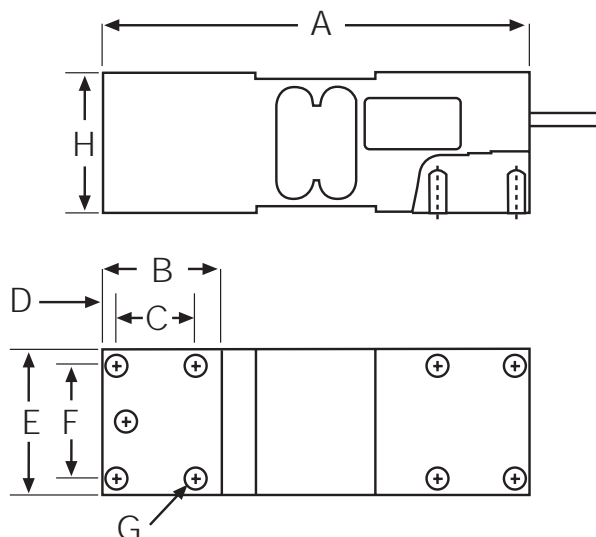
### RL1385 ORDER INFORMATION

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



# RL1260 Single Point, Aluminum

## NTEP 1:5000 Class III Single Cell



RATED CAPACITY	DIMENSIONS						
	A	B	C	D	E	F	H
<b>kg/mm</b>							
50-635	188	52	35	5.5	63.5	50	62.3
<b>lb/inches</b>							
110.2-1400.2	7.40	2.05	1.38	.22	2.49	1.97	2.45

### SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Seal Type:	Environmentally-sealed
Bridge Resistance:	350 ohms, nominal	Cable Length:	3.1 m/10'
Material/Finish:	Anodized aluminum	Cable Color Code:	Green ..... + Excitation Black ..... - Excitation Blue ..... + Sense Brown ..... - Sense Red ..... + Signal White ..... - Signal
Temperature:	Compensated temperature range 14°F to 104°F/-10°C to 40°C	Warranty:	2-year limited warranty
Safe Overload:	200% of full scale at center loading point		
Rated Excitation:	10V DC (15V maximum)		
Total Error:	0.02% Full scale		
Insulation Resistance:	5000 megohms		

### 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

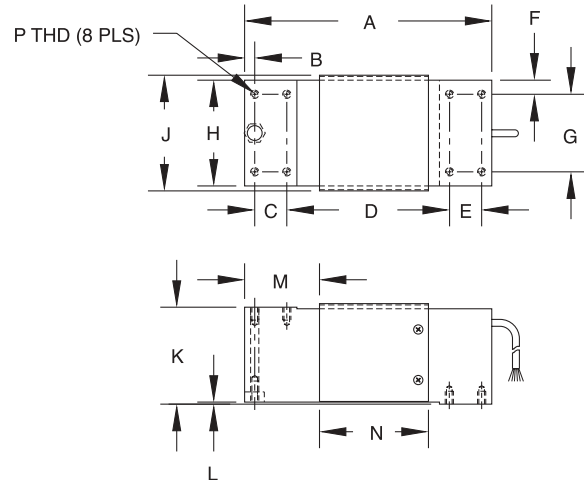
### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay TedeA-Huntleigh .....	(see page 339) 1260
HBM .....	(see page 238) PW16



# RL1250 Potted Single Point, Aluminum

## NTEP 1:5000 Class III Single Cell



RATED CAPACITY	A	B	C	D	E	F	DIMENSIONS								P
kg/mm															
50-1000	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	5/16-18UNC X 15 DP	
lb/inches															
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	

### 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 (15V maximum)
Total Error:	.02% Full scale
Insulation Resistance:	5000 megohms

Deflection at Capacity:	50-1000 kg ≤ .4mm/.015"
Seal Type:	Environmentally-sealed, potted
Cable Length:	3.1 m/10'
Cable Color Code:	Green ..... + Excitation Black ..... - Excitation Blue ..... + Sense Brown ..... - Sense Red ..... + Signal White ..... - Signal
Warranty:	2-year limited warranty

### 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

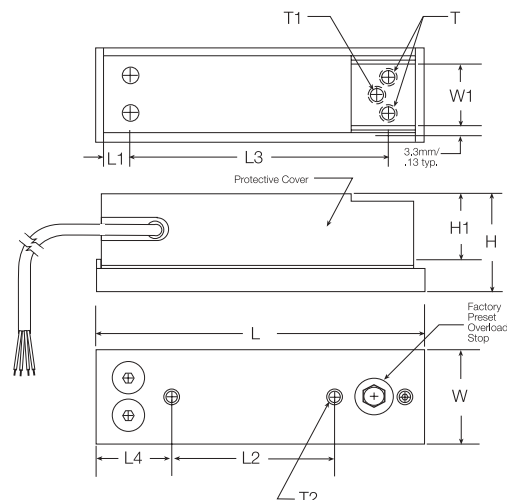
### INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Revere Transducers .....	(see page 278) 652
Vishay Tedeá-Huntleigh .....	(see page 341) 1250
Vishay Celtron .....	(see page 194) LOC
Flintec .....	(see page 212) PCB*
HBM .....	(see page 236) PW12

\* Stainless steel, Hermetically-sealed



# RLMK21 Single Point, Stainless Steel



RATED CAPACITY	DIMENSIONS											
	H	H1	L	L1	L2	L3	L4	T	T1	T2	W	W1
<b>kg/mm</b>												
4.5-50	38.1	25.4	133.4	11.2	66.8	104.9	30.5	1/4-20 UNF 2B Thd. x 12.7 Min. DP	1/4-28 UNF 2B Thru 6.7 DIA. x 10.2 DP	1/4-28 UNF Thd.	38.1	25.4
<b>lb/inches</b>												
9.9-110.3	1.50	1.00	5.25	.44	2.63	4.13	1.20	1/4-20 UNF 2B Thd. x .50 Min. DP	1/4-28 UNF 2B Thru .265 DIA x .4 DP	1/4-28 UNF Thd.	1.50	1.00

## SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Insulation Resistance:	>2000 megohms
Bridge Resistance:	350 ohms	Seal Type:	Environmentally-sealed
Material/Finish:	Stainless steel	Cable Length:	3.1 m/10'
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal Orange .... Shield
Safe Overload:	500% Full scale	Warranty:	2-year limited warranty
Rated Excitation:	10 VDC		
Nonlinearity:	0.02% Full scale		
Hysteresis:	0.03% Full scale		

## RLMK21 ORDER INFORMATION

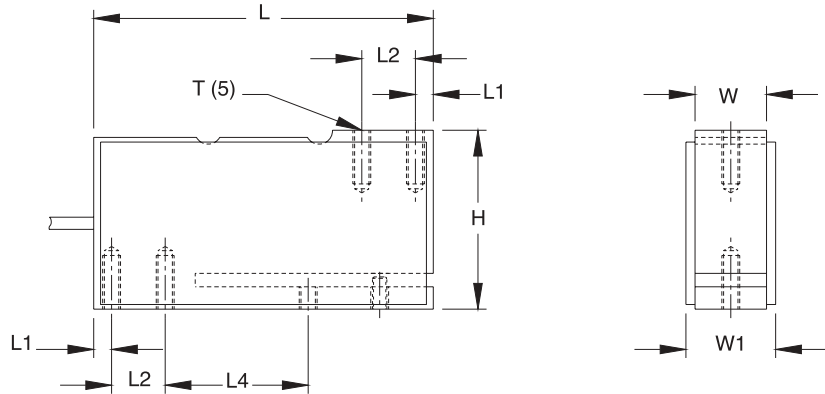
Load Rating	Part #	Suggested List Price
4.5 kg (9.9 lb) .....	33296 .....	\$435.00
7.5 kg (16.5 lb) .....	33297 .....	\$435.00
18 kg (39.7 lb) .....	33298 .....	\$435.00
35 kg (77.2 lb) .....	33299 .....	\$435.00
50 kg (110.3 lb) .....	47951 .....	\$435.00

## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
NCI/Weigh-Tronix® .....	3270 Series Checkweigher



# 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/mm</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  
**Bridge Resistance:** 350 ohms, nominal  
**Material/Finish:** Alloy steel or Stainless steel  
**Temperature:** Compensated range  
 0°F to 150°F/-18°C to 65°C  
**Safe Overload:** 500% Full scale  
**Rated Excitation:** 10V DC (15V maximum)  
**Total Error:** .03% Full scale

**Seal Type:** Environmentally-sealed  
**Insulation Resistance:** 1000 megohms  
**Cable Length:** 10'/3.1 m  
**Cable Color Code:** Red ..... + Excitation  
 Black..... - Excitation  
 White ..... + Signal\*  
 Green ..... - Signal\*  
 Orange.... Shield

**Warranty:** 2-year limited warranty  
 \* Cell is wired for negative reading

## RLMK4 ORDER INFORMATION

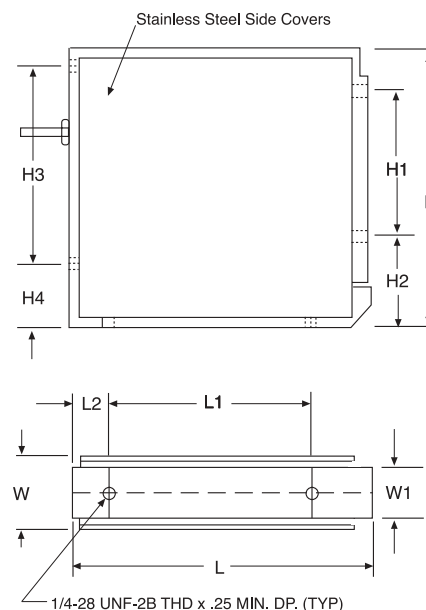
Load Rating	Part #	Suggested List Price
<b>Alloy steel</b>		
10 lb (4.5 kg) .....	17576.....	\$395.00
15 lb (6.8 kg) .....	17577.....	\$395.00
25 lb (11.3 kg) .....	17578.....	\$395.00
30 lb (13.6 kg) .....	17579.....	\$395.00
50 lb (22.7 kg) .....	17580.....	\$395.00
100 lb (45.3 kg) .....	17581.....	\$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



# RLMK1 Single Point, Alloy Steel



RATED CAPACITY	H	H1	H2	H3	H4	L	L1	L2	W	W1
<b>lb/inches</b>										
50-3000	5.3	2.75	1.72	3.74	1.22	5.9	4.00	.70	1.29	.89
<b>kg/mm</b>										
22.7-1360.8	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:** 180% Full scale  
**Rated Excitation:** 10V AC/DC (15V maximum)  
**Nonlinearity:** 0.02% Full scale  
**Hysteresis:** 0.05% Full scale

**Insulation Resistance:** 1000 megohms  
**Seal Type:** Environmentally-sealed  
**Cable Length:** 25'/7.6 m  
**Cable Color Code:** Red ..... + Excitation  
Black ..... - Excitation  
White ..... + Signal  
Green ..... - Signal  
Yellow ..... + Sense  
Blue ..... - Sense  
Orange..... Shield  
**Warranty:** 2-year limited warranty

## RLMK1 ORDER INFORMATION

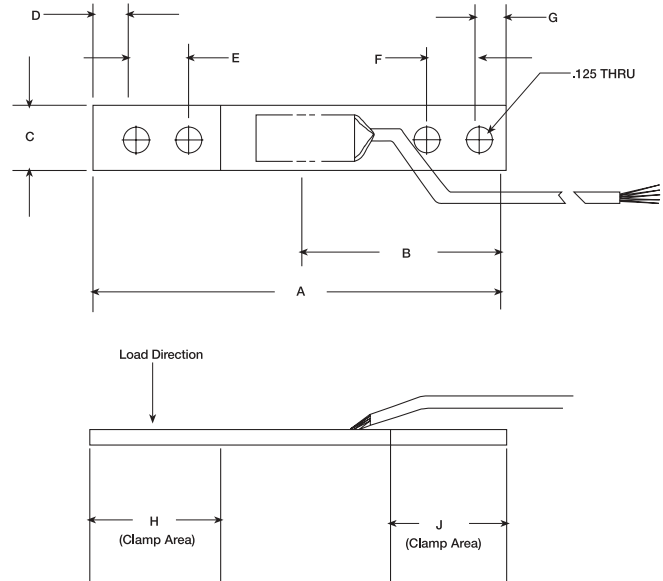
Load Rating	Part #	Suggested List Price
50 lb (22.7 kg) .....	26226.....	\$860.00
100 lb (45.3 kg) .....	26227.....	\$860.00
200 lb (90.7 kg) .....	26228.....	\$860.00
500 lb (226.8 kg) .....	26229.....	\$860.00
1000 lb (453.6 kg) .....	26230.....	\$860.00
2000 lb (907.2 kg) .....	26231.....	\$860.00
3000 lb (1360.8 kg) .....	26232.....	\$860.00

## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
NCI/Weigh-Tronix® .....	Mark I



# RLS1101 Planar Beam Sensor, Stainless Steel



RATED CAPACITY	A	B	C	DIMENSIONS					
				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/mm</b>									
0.5-18.1	59.6	28.7	9.5	5.0	8.8	7.6	3.8	19.0	16.5

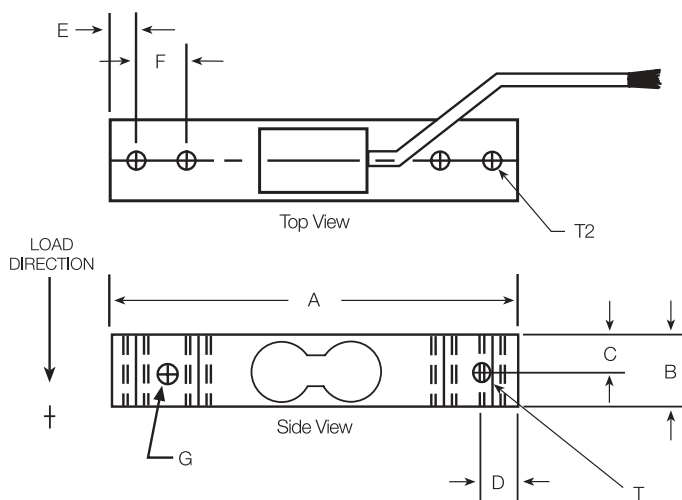
## SPECIFICATIONS:

Full Scale Output:	1.5 mV/V nominal	Hysteresis:	0.08% Full scale
Bridge Resistance:	1000 ohms, nominal	Seal Type:	Environmentally-sealed
Material/Finish:	Stainless steel	Cable Length:	18"/4.5 m
Temperature:	Compensated range 0°F to 150°F/18°C to 65°C	Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Safe Overload:	150% Full scale	Warranty:	1-year limited warranty
Rated Excitation:	1-10V DC		
Nonlinearity:	0.08% Full scale		

## RLS1101 ORDER INFORMATION

Load Rating	Part #	Suggested 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 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/mm</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:

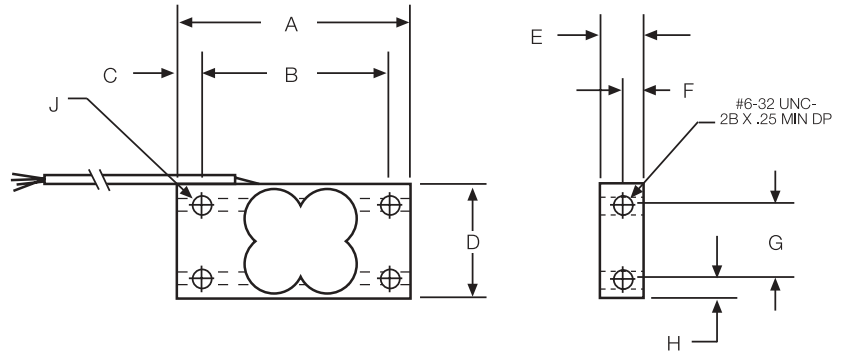
Full Scale Output:	1.5 mV/V nominal	Insulation Resistance:	2000 megohms
Bridge Resistance:	1000 ohms, nominal	Seal Type:	Environmentally-sealed
Material/Finish:	Aluminum, black anodized	Cable Length:	18"/.45 m
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Safe Overload:	150% Full scale	Warranty:	1-year limited warranty
Rated Excitation:	10V DC		
Nonlinearity:	0.10% Full scale		
Hysteresis:	0.03% Full scale		

## 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	A	B	C	DIMENSIONS	D	E	F	G	H	J
lb/inches										
1-10	2.0	1.625	.188	.970	.375	.188	.625	.173	.113	
kg/mm										
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:	1.0 mV/V nominal	Hysteresis:	0.03% Full scale
Bridge Resistance:	1000 ohms, nominal	Seal Type:	Environmentally-sealed
Material/Finish:	Anodized aluminum	Cable Length:	18"/.45 m
Temperature:	Compensated range 0°F to 150°F/18°C to 65°C	Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Safe Overload:	250% Full scale	Warranty:	1-year limited warranty
Rated Excitation:	1-10V DC		
Nonlinearity:	0.02% Full scale		

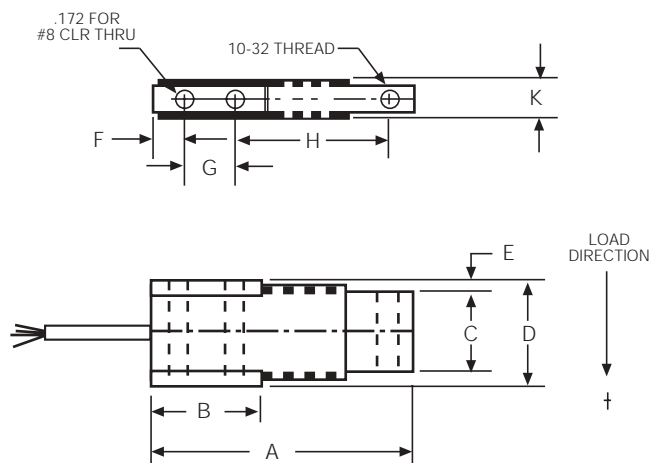
## RLS2732 ORDER INFORMATION

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 CAPACITY	DIMENSIONS									
	A	B	C	D	E	F	G	H	K (SST)	K (ALUM)
<b>lb/inches</b> 2-250	2.38	1.0	.75	1.0	.13	.25	.50	1.312	.63	.50
<b>kg/mm</b> 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#	Nonlinearity:	0.03% Full scale
Bridge Resistance:	R in 350 ohms, nominal R out 400 ohms, nominal	Hysteresis:	0.05% Full scale
Material/Finish:	2 - 10 lb - Aluminum 25 - 250 lb - Stainless steel	Seal Type:	Environmentally-sealed
Temperature:	Compensated range 0°F to 150°F/18°C to 65°C	Cable Length:	18"/4.5 m
Safe Overload:	150% Full scale	Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Rated Excitation:	7-15V DC	Warranty:	1-year limited warranty

## 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

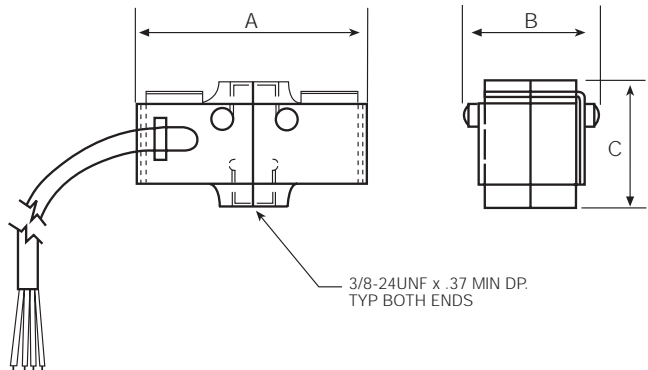
## INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Interface® .....	MB
Vishay Sensortronics .....	(see page 300) 65007
Vishay Celtron .....	(see page 183) MBB



# RLS3030 Low-Profile Load Sensor, Aluminum

## Tension and Compression



RATED CAPACITY	DIMENSIONS		
	A	B	C
<b>lb/inches</b> 2-300	1.86	1.05	1.0
<b>kg/mm</b> 0.9-136.0	47.2	26.6	25.4

### SPECIFICATIONS:

Full Scale Output:	1.5-2.0 mV/V nominal	Seal Type:	Environmentally-sealed
Bridge Resistance:	350 ohms, nominal	Cable Length:	18"/.45 m
Material/Finish:	Black anodized aluminum	Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Warranty:	1-year limited warranty
Safe Overload:	150% Full scale		
Rated Excitation:	1-10V DC		
Nonlinearity:	0.05% Full scale		
Hysteresis:	0.05% Full scale		

### RLS3030 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
2 lb (0.9 kg) .....	42545 .....	\$335.00
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



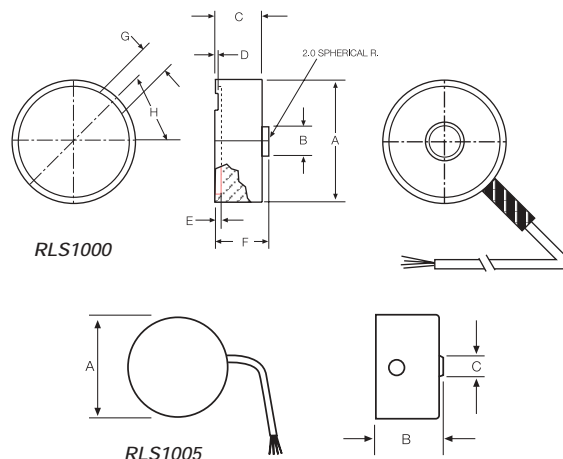
RLS1000



RLS1005



RLS1000 only



RATED CAPACITY	A	B	C	D	E	F	G	H
<b>RLS1000</b>								
<b>lb/inches</b> 500-5000	1.25	.30	.485	.032	.062	.52	.312	45°
<b>kg/mm</b> 226.8-2268.0	31.7	7.6	12.3	.812	1.5	13.2	7.9	45°
<b>RLS1005</b>								
<b>lb/inches</b> 1000-8000	.875	.55	.165	-	-	-	-	-
<b>kg/mm</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 0°F to 150°F/-18°C to 65°C
Safe Overload:	200% Full scale
Rated Excitation:	15V DC
Nonlinearity:	0.05% Full scale
Hysteresis:	0.05% Full scale
Seal Type:	Environmentally-sealed
Cable Length:	18"/.45 m
Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	1-year limited warranty

## RLS1005 SPECIFICATIONS:

Full Scale Output:	1.5 mV/V nominal
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Stainless steel
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C
Safe Overload:	200% Full scale
Rated Excitation:	15V DC
Nonlinearity:	0.8% Full scale
Hysteresis:	0.8% Full scale
Seal Type:	Environmentally-sealed
Cable Length:	18"/.45 m
Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Warranty:	1-year limited warranty

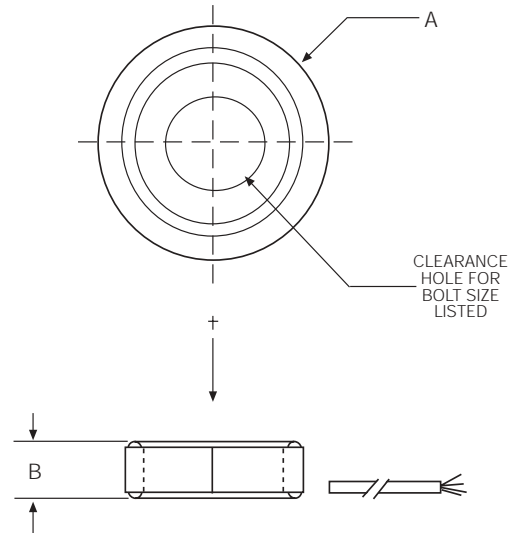
## RLS1000 ORDER INFORMATION

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

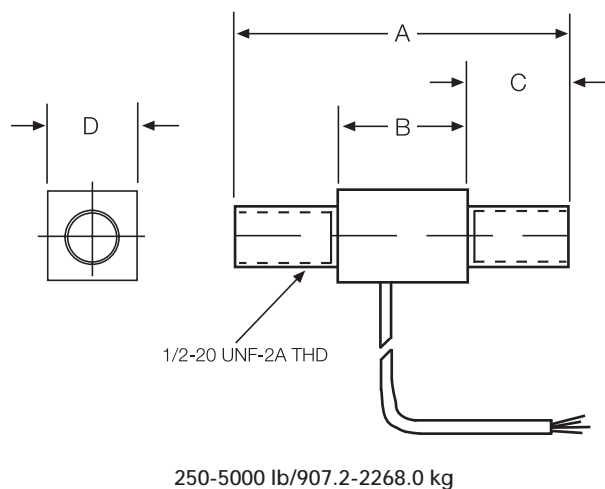
## SPECIFICATIONS:

Full Scale Output:	1 mV/V nominal	Hysteresis:	0.10% Full scale
Bridge Resistance:	2000 ohms	Seal Type:	Environmentally-sealed
Material/Finish:	Stainless steel	Cable Length:	18"/.45 m
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Cable Color Code:	Red ..... + Excitation Black ..... - Excitation Green ..... + Signal White ..... - Signal
Safe Overload:	250% Full scale	Warranty:	1-year limited warranty
Rated Excitation:	10V DC		
Nonlinearity:	0.10% 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



<b>RATED CAPACITY</b>	<b>DIMENSIONS</b>			
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>lb/inches</b>				
250-1000	2.75	.75	.65	1.00
2000-5000	2.75	1.05	.85	.75
<b>kg/mm</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:	.5 mV/V, 250 lb .8 mV/V, 500-5000 lb	Hysteresis:	0.03% Full scale
Bridge Resistance:	1000 ohm	Seal Type:	Environmentally-sealed
Material/Finish:	Stainless steel	Cable Length:	18"/.45 m
Temperature:	Compensated range 0°F to 150°F/18°C to 65°C	Cable Color Code:	Red ..... + Excitation Black..... - Excitation Green..... + Signal White ..... - Signal
Safe Overload:	150% Full scale	Warranty:	1-year limited warranty
Rated Excitation:	10V DC		
Nonlinearity:	0.03% Full scale		

## RLS2101 ORDER INFORMATION

Load Rating	Part #	Suggested 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