

World's Largest Selection of Load Cells In Stock!

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www.rlws.com

Shipping Services

Standard Courier Service

Determining Air Shipping Rates

When shipping via air services, couriers require that the shipping weight be determined by the greater of the actual weight of the boxed product or its dimensional shipping weight. The formula for calculating dimensional shipping weight is as follows: $L \times W \times H / 194$ for domestic air shipments and $L \times W \times H / 166$ for international air shipments. RLWS takes the added precaution of double boxing some of our electronic products and balances. This may result in dimensional weight charges by the carrier when shipping by air. Even with this added precaution, we suggest that you always ship high precision and fragile products via air service.

Federal Express (FedEx)

Type	Delivery Times	Weekends
First Overnight	8 A.M.*	
Priority Overnight	10:30 A.M.*	Saturday
Standard Overnight	3 P.M.*	
2nd Day	4:30 P.M.	Saturday
Express Saver	4:30 P.M. within 3 days	
Ground	1-5 day guarantee (depending on distance)	

** Where available*

All FedEx Overnight, 2nd Day and Express Saver deliveries available in the contiguous USA only

United Parcel Service (UPS)

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

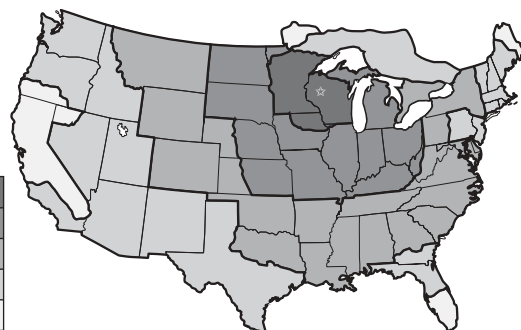
** Where available*

All UPS deliveries available in the contiguous USA only

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

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

1 Day	
2 Days	
3 Days	
4 Days	
5 Days	



Express Mail

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

V.I.P. Counter-to-Counter

This is a special small package (up to 100 lb) courier service we offer via commercial airlines for counter-to-counter delivery in the same business day (Monday through Saturday). This service does not carry the same service guarantees as standard carriers.

Shipping Services

Domestic Courier Service

DHL

Overnight

Emery Worldwide

- Delivery by Noon next business day (Gold Priority Plus)
- Delivery by 9:30 A.M. next business day (0930)
- Delivery by 5:00 P.M. 2nd business day (Gold Priority Second Day)
- Saturday delivery (all Emery Worldwide where available, extra charge)

BAX Global

- Overnight (Guaranteed, Standard)
- Second Day (Guaranteed, Standard)
- 1-3 days (BAX Saver)

International Courier Service

DHL

Worldwide Priority Express

Emery Worldwide

- Puerto Rico (A.M. and Second Day)
- Express (Door to Door)
- Standard Plus (Door to Door)
- Preferred (Airport to Airport)
- Standard (Airport to Airport)

BAX Global

- Time Definite Premier
- International Express
- Standard Air Freight
- Door to Door
- Door to Airport
- Airport to Airport
- Airport to Door

Airborne Express

- International Service

FedEx

- Priority (includes Canada)
- Economy (includes Canada)
- International Ground (Canada only)

UPS

- Express (Includes Canada)
- Expedited (Includes Canada)
- Standard (Ground Canada only)

Forwarders

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

BAX Global, Emery Worldwide, and Expeditors

Air Freight

Kuehne & Nagel

Overseas Ocean Freight (Call for estimated delivery)

Truck Service

ABF, Yellow Roadway, FedEx Freight East, and Mid States

Less Than Truckload (LTL)

Stan Koch & Sons Trucking (Truckload)

J&R Schugel, Den's, and JBT Service (Flatbed Truckload)



MS101 "Understanding Mechanical Scales"

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

ES111 "Fundamentals of Electronic Systems"

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

Spanish Available

ES222 "Advanced Scale System Troubleshooting"

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

Spanish Available

ES333 "Automation Control"

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

Spanish Available

DC444 "Printer Maintenance and Integration"

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

Spanish Available

ES555 "920i Configuration & Application Programming"

This four and one-half day course begins with a two-day introduction to the 920i, including basic capabilities, hardware configurations, setup and calibration. For the second half, students will divide into two sections according to vocation and programming experience. Sales associates, service technicians and novice programmers will learn how to use iRev software's drag-n-drop functionality to configure display graphics and scale attributes for basic applications as well as more complex systems. Experienced programmers will study the components and syntax of the iRite programming language through hands-on exercises and examples. They will also gain experience in writing, compiling, editing, and downloading 920i programs. In addition, an entire section will be devoted to exploring the capabilities of the 920i database and how to utilize this feature. Students should supply a pentium-based laptop computer.

Spanish Available

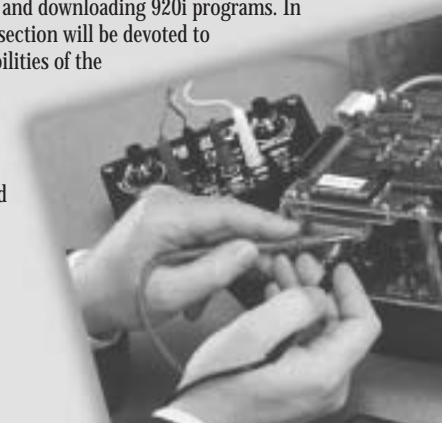


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Featured Products

Load Cell Guide Featured Product Section

A quick reference guide to new products and new features.



RLWS RL2200 Series Page 46

Economical, yet rugged, with an expanded capacity now including 2500 lbs., this load cell works effectively with lighter capacity applications. Replacement load cells now available.

RLWS RL2200 SS Series Page 48

The low-profile design with stainless steel, hermetically sealed, compression disk load cells offers a new capacity of 2500 lbs. for lighter capacity applications. Replacement load cells now available.



HBM PW12 Page 236

A new aluminum, single point load cell from HBM. With capacities from 50 to 1000 kg, this load cell is NTEP, OMIL R60 and R76 approved. The PW12 is ideal for platform, hanging scale, and other low-capacity beam applications.



HBM PW15 Page 237

A new stainless steel, single point load cell from HBM. With capacities from 10 to 100 kg, this load cell is OMIL R60 and R76 approved. The PW15 is ideal for platform, hanging scale, and other low-capacity beam applications.



HBM PW16 Page 238

A new single point, aluminum load cell from HBM. With capacities from 30 to 660 kg, this load cell has a potted cavity and offers excellent performance in damp environments. NTEP approved.

Featured Products



Vishay Celtron DSR-HSS Page 188

A new center loaded, double-ended beam in stainless steel with welded gauge. Available capacities range from 1,000 to 75,000 lb. This load cell is ideal for tank, hopper, and silo applications, and has a welded-seal.



Vishay Tedea-Huntleigh 1042SPage 333

A lower-profile single-point load cell for platform weighing, this two beam, aluminum constructed design offers high immunity to side forces and is coated to provide humidity resistance. NTEP certified to 7500 divisions.



Vishay Tedea-Huntleigh 1260S Page 340

This single-point, off-center loading, aluminum load cell is designed for high-capacity applications and harsh environments. NTEP certified to 10,000 divisions.



RLWS RL30745 Page 107

With an expanded capacity from 500 to 10,000 lb., this load cell is ideally suited for a range of applications including low-profile platforms and vessel weighing. This stainless steel, welded-seal, single-ended beam also provides excellent protection in corrosive and washdown environments.



RLWS RL20000 ST Page 100

For suspended applications or mechanical scale conversion, this model provides protection needed in damp or dry, corrosive environments. The RL20000 ST is similar to the RL20000 SS with expanded NTEP certified capacities from 50 to 20,000 lbs.



iQUBE™ Digital Diagnostic Junction Box Page 395

iQUBE, is the intelligent alternative to analog resistance junction boxes. Unlike conventional load cell summing devices, iQUBE provides simplified calibration, diagnostics, and enhanced electrical overload protection. iQUBE increases performance of any existing multi-cell system and compliments new scale installations.



www.rlws.com

USA: 800-472-6703 • CANADA/MEXICO: 800-321-6703 • INTERNATIONAL: 715-234-9171

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Customer Assistance

Product Support

Rice Lake Weighing Systems strives to provide you with the most current and accurate information in our Load Cell Guide. Manufacturers occasionally change specifications or prices after the publication is printed, which is beyond our control. Please consult our sales staff or our web site at www.rlws.com for the most current information.

Returns

Our commitment to our distributors states that if any standard product purchased from Rice Lake Weighing Systems does not work, or if the incorrect product is shipped, return it in its original shipping container with all accessories for full credit or replacement within 30 days of purchase. Always inspect the product upon receipt.

Please note that if the incorrect amount of product was shipped, Rice Lake Weighing Systems must be contacted within 30 days of the purchase. Upon notification, we will immediately correct the situation.

We may, at our option, assess a restocking charge if the equipment was incorrectly specified for the application intended, and/or damaged beyond reasonable repair. The restocking charge is directly proportional to the amount of time and material required to return the item to resalable condition—we will make every effort to do this quickly and economically. Equipment that has been abused and/or shows signs of excessive wear, and cannot be reconditioned and resold, will not be accepted for return.

As Applied to Drop Shipments

All Rice Lake Weighing Systems return guidelines apply to products drop-shipped to your end user customer. If a perceived error occurs, Rice Lake Weighing Systems will investigate to the best of our ability to determine if the error occurred prior to shipping, during shipping, or at the end user site. If our records and subsequent investigation indicate that the shipment was correct when it left our factory, our responsibility extends only to the distributor, not their end user. Our standard product warranty notes that our coverage extends only to equipment and systems properly installed by a distributor.

Trademark Recognition

Cardinal is a registered trademark of Cardinal Scale Manufacturing Co.; Fairbanks is a registered trademark of Fairbanks Scales; Howe Richardson is a registered trademark of Howe Richardson Scale Co.; Interface is a registered trademark of Interface, Inc.; Masstron is a registered trademark of Mettler-Toledo International, Inc.; Mettler-Toledo is a registered trademark of Mettler-Toledo International, Inc.; NCI is a registered trademark of Weigh-Tronix, Inc.; NMB is a registered trademark of NMB Technologies, Inc.; Teflon is a registered trademark of E.I. DuPont; Thurman is a registered trademark of Thurman Scale Co.; Weigh-Tronix is a registered trademark of Weigh-Tronix, Inc.

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SURVIVOR® HE Weigh Modules

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Taking Weighing Technology to ExtremesSM

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



SURVIVOR® HE weigh modules offer weight-derived process and inventory control in hostile environments. Designed for dependability, accuracy, and worry-free operation, all SURVIVOR HE models feature stainless steel construction and hermetic/welded-seal, stainless steel load cells for the ultimate in washdown and corrosive environment protection.



Stainless steel, hermetically sealed, IP67 or greater

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

Guaranteed Waterproof



All SURVIVOR HE weigh modules use load cells that are guaranteed waterproof. Any SURVIVOR HE load cell marked as waterproof will be repaired or replaced if moisture ingress is cited as the reason for failure. This warranty is effective for a period of two years from the date of installation or, when proper documentation of installation cannot be provided, from the date of invoice. Please refer to our Warranty on page 401 for details.

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



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



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



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

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

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

Example: Protection level offered
by an IP67 rated product

IP 67

Protection against solid objects

First number (in this case 6)

- 0 No protection
- 1 Protected from solid objects up to 50 mm (e.g., accidental touch by hands)
- 2 Protected from solid objects up to 12 mm (e.g., fingers)
- 3 Protected from solid objects more than 2.5 mm (e.g., tools and small wires)
- 4 Protected from solid objects more than 1 mm (e.g., small wires)
- 5 Protected from dust; limited entrance (no harmful deposit)
- 6 Totally protected from dust**

Protection against liquids

Second number (in this case 7)

- 0 No protection
- 1 Protected from vertically-falling drops of water (e.g., condensation)
- 2 Protected from direct sprays of water up to 15° from vertical
- 3 Protected from direct sprays of water up to 60° from vertical
- 4 Protected from water sprayed from all directions; limited entrance allowed
- 5 Protected from low pressure jets of water from all directions; limited entrance allowed
- 6 Protected from strong jets of water (e.g., for use on ship decks); limited entrance allowed
- 7 Protected from the effects of immersion between 15 cm and 1 m for 30 minutes**
- 8 Protected from extended periods of immersion under pressure

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

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

SURVIVOR® HE Weigh Modules

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



Available in configurations with three or four mounting assemblies.

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

Load Cell Certifications:



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

- Capacities (per module): 1 kN–20 kN (225–4500 lb/102.1–2039.43 kg)
- Clevis mounts with nylon insulating washers
- Teflon®-lined rod end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct loadcell loading even in difficult installations
- Lower overall length compared to other isolated tension assemblies
- Flintec UB1/UB6 stainless steel, hermetically sealed S-beam load cells
- 2-year limited warranty

Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 348

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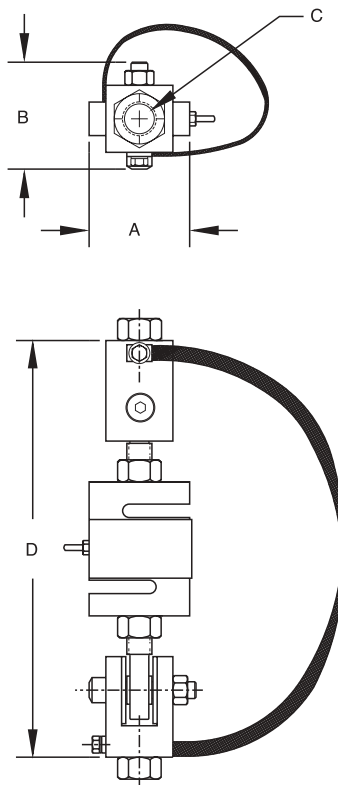
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ITCM HE Specifications

**Complete Kit!
Compare
& Save!**

SURVIVOR Weigh Modules



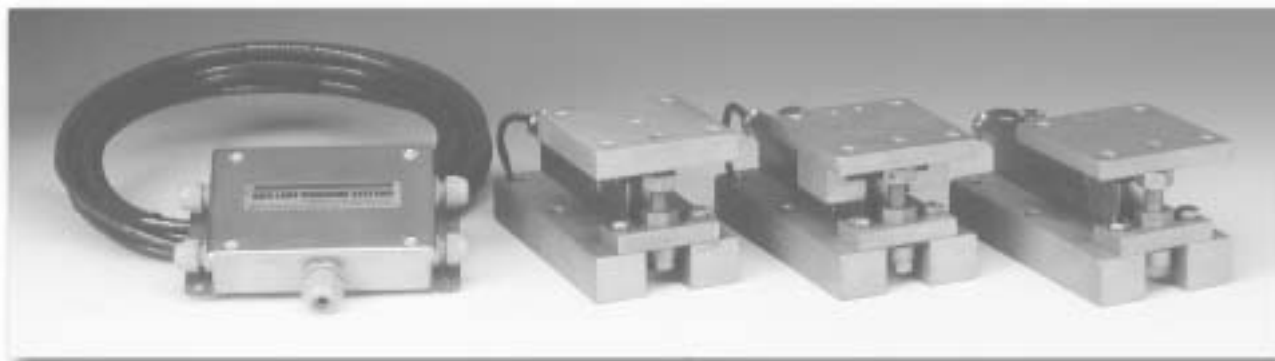
ITCM HE ORDER INFORMATION

LOAD CELL CAPACITY	DIMENSIONS - INCHES (MM)				Single Module		3-Module Kit		4-Module Kit	
	A	B	C	D	Part #	Suggested List Price	Part #	Suggested List Price	Part #	Suggested List Price
225 lb (102.2 kg)	2.42 (61.4)	2.68 (68.1)	1/2-13 NC	8.92 (ref) (226.5)	53168.....	\$995.00	53363.....	\$3,195.00	53358.....	\$4,095.00
450 lb (204.1 kg)	2.42 (61.4)	2.68 (68.1)	1/2-13 NC	8.92 (ref) (226.5)	53170.....	\$995.00	53364.....	\$3,195.00	53359.....	\$4,095.00
1125 lb (510.8 kg)	2.42 (61.4)	2.68 (68.1)	1/2-13 NC	8.92 (ref) (226.5)	53167.....	\$995.00	53365.....	\$3,195.00	53360.....	\$4,095.00
2250 lb (1021.5 kg)	3.38 (85.9)	2.68 (68.1)	5/8-11 NC	10.12 (ref) (257.0)	53171.....	\$1,195.00	53366.....	\$3,695.00	53361.....	\$4,895.00
4500 lb (2041.2 kg)	3.38 (85.9)	2.68 (68.1)	3/4-10 NC	10.12 (ref) (257.0)	53169.....	\$1,395.00	53367.....	\$3,895.00	53362.....	\$5,695.00

SURVIVOR® HE Weigh Modules

SURVIVOR Weigh Modules

Paramounts® Medium-Capacity Weigh Module Systems



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

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

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

Load Cell Certifications:



Except 225 lb
& 520 lb



IP66/68



APPLICATIONS:

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

Complete Kit Includes:

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

STANDARD FEATURES:

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

OPTIONAL FEATURES:

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

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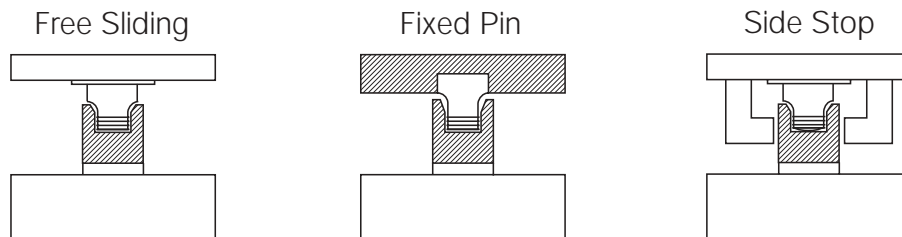
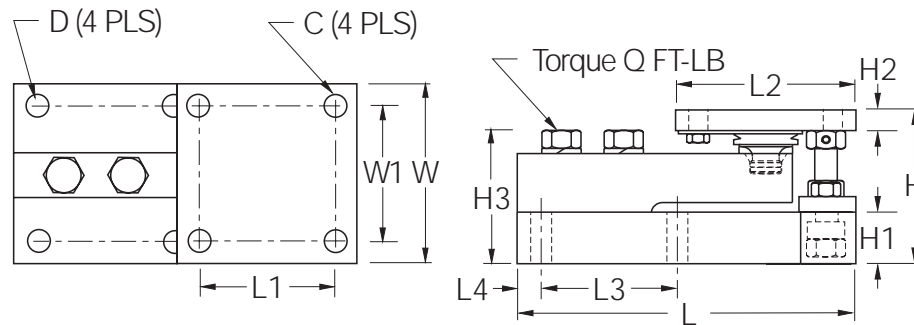
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Paramounts Stainless Steel Specifications

**Complete Kit!
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& Save!**

SURVIVOR Weigh Modules



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

kN = Kilonewtons

* Side Stop and Free Sliding units

** Fixed Pin units

PARAMOUNTS NTEP/OI ML ORDER INFORMATION		
Load Rating (per module)	Part #	Suggested List Price
NTEP/OI ML C3 3-Module Kit		
1125 lb (5 kN/510.8 kg).....	29883.....	\$3,565.00
2250 lb (10 kN/1021.5 kg).....	29884.....	\$3,565.00
5200 lb (23 kN/2360.8 kg).....	29885.....	\$3,565.00
11,250 lb (50 kN/5107.5 kg).....	29886.....	\$4,795.00
NTEP/OI ML C3 4-Module Kit		
1125 lb (5 kN/510.8 kg).....	29879.....	\$4,665.00
2250 lb (10 kN/1021.5 kg).....	29880.....	\$4,665.00
5200 lb (23 kN/2360.8 kg).....	29881.....	\$4,665.00
11,250 lb (50 kN/5107.5 kg).....	29882.....	\$6,020.00

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

***Conduit Adapter, 1/2-14 NPT 17703..... 35.00

*** Suitable for Flintec SB4 Load Cell

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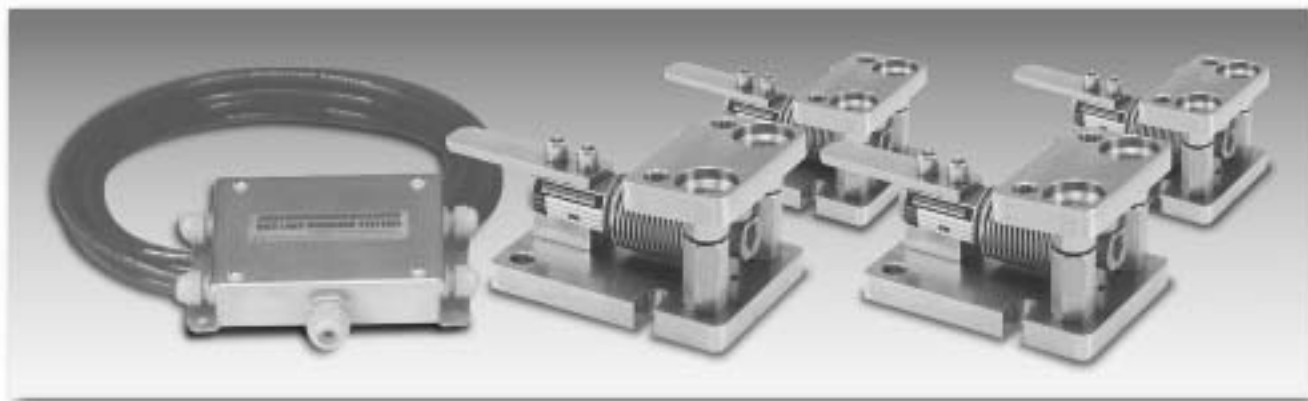
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SURVIVOR® HE Weigh Modules

1700HE

Light- to Medium-Capacity Weigh Modules



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

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

Load Cell Certifications:



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

- All stainless steel construction
- Hermetically-sealed, stainless steel load cells, IP66/68, guaranteed waterproof
- OIML-certified load cells from 44-11,000 lb (20-24,255 kg)
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Self-checking with lift-off/tip-over protection and jacking/shipping bolts
- Load cell is isolated from overload in all directions
- Weldless construction retains less residue and allows fast, thorough cleaning
- 2-year limited warranty

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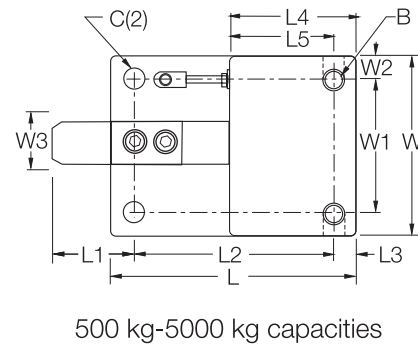
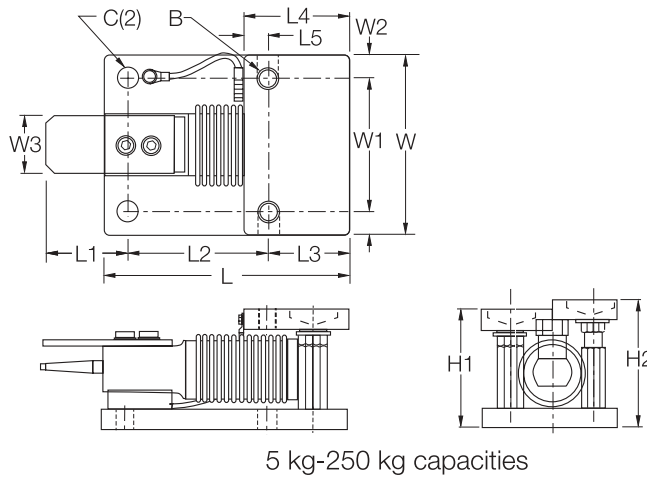
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1700HE Specifications

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& Save!**

SURVIVOR Weigh Modules



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

* In weighing position

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

1700HE SINGLE MODULE ORDER INFORMATION

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

1700HE KIT ORDER INFORMATION

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

4-Module Kit OIML C3-Certified Load Cells

5 kg (11.0 lb)	32927	\$3,500.00
10 kg (22.0 lb)	32928	\$3,500.00
20 kg (44.1 lb)	32929	\$3,500.00
50 kg (110.2 lb)	32930	\$3,500.00
100 kg (220.5 lb)	32931	\$3,500.00
200 kg (440.9 lb)	32932	\$3,500.00
250 kg (551.2 lb)	32933	\$3,500.00
500 kg (1102.3 lb)	32984	\$4,180.00
1000 kg (2204.6 lb)	32985	\$4,180.00
2000 kg (4,409.2 lb)	32986	\$4,180.00
5000 kg (11,023.1 lb)	32987	\$4,895.00

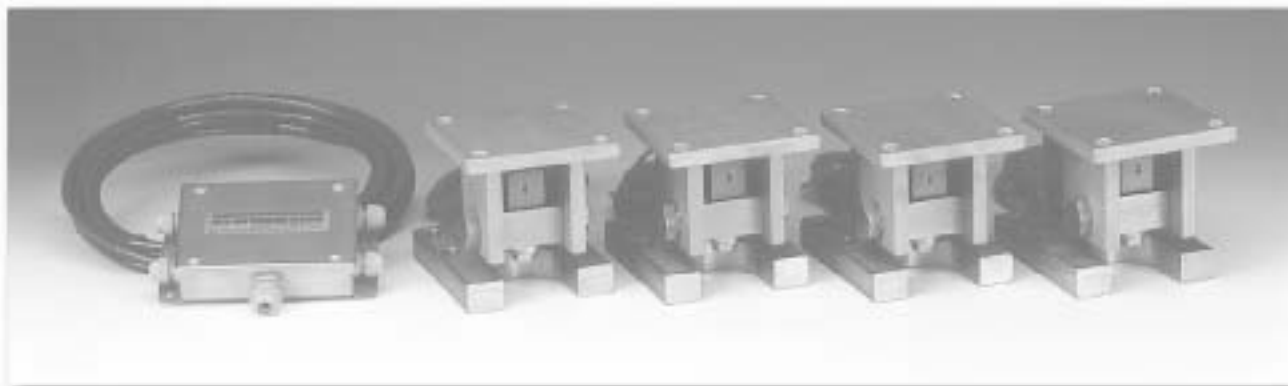
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SURVIVOR® HE Weigh Modules

1855HE Medium-Capacity Weigh Modules



The internal height adjustment feature of the 1855HE reduces the need for shims or external hardware, simplifying installation. The standard conduit adapter allows for connection to conduit for cable protection. With standard NTEP-certified, 1:5000 division class III load cells, the 1855HE provides an accurate weighing system when properly installed. Highly versatile, the 1855HE offers worry-free operation in a wide variety of rugged applications.

Load Cell Certifications:



IP67



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

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

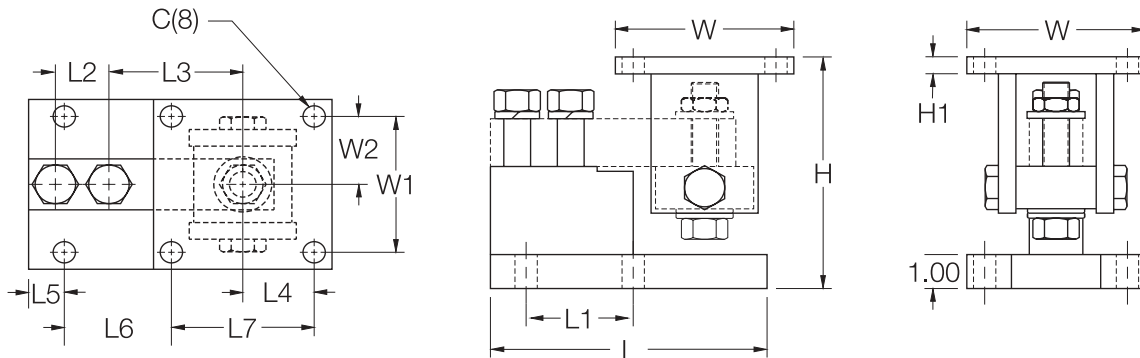
OPTIONAL FEATURES

- RL35082 IP66/68 load cells available

1855HE Specifications

**Complete Kit!
Compare
& Save!**

SURVIVOR Weigh Modules



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

1855HE SINGLE MODULE ORDER INFORMATION

Load Rating (per module)	Part #	Suggested List Price
Single Modules (Includes Load Cell)		
1000 lb (453.6 kg)	32975.....	\$895.00
2500 lb (1134.0 kg)	32976.....	\$895.00
4000 lb (1814.4 kg)	32977.....	\$895.00
5000 lb (2268.0 kg)	32978.....	\$995.00
10,000 lb (4535.9 kg)	32979.....	\$995.00

1855HE KIT ORDER INFORMATION

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

SURVIVOR® HE Weigh Modules

2100HE Heavy-Capacity Weigh Modules



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

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

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

Complete Kit Includes:

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

Load Cell Certifications:



APPLICATIONS:

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

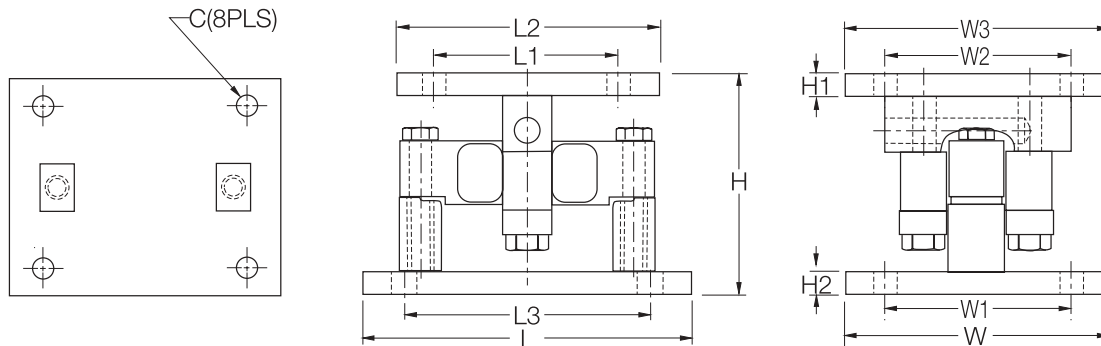
STANDARD FEATURES:

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

2100HE Specifications

**Complete Kit!
Compare
& Save!**

SURVIVOR Weigh Modules



RATED CAPACITY	DIMENSIONS											
	C	H	H1	H2	L	L1	L2	L3	W	W1	W2	W3
lb/inches												
20,000-25,000	.78	6.85	.75	.75	10.00	6.00	8.00	7.50	8.00	6.00	6.00	8.00
35,000-100,000	1.13	9.42	1.00	1.00	14.00	6.50	9.00	11.50	10.00	7.50	6.50	9.00
kg/mm												
9071.9-11,339.8	19.8	174.0	19.1	19.1	254.0	152.4	203.2	190.5	203.2	152.4	152.4	203.2
15,875.7-45,359.2	28.7	239.3	25.4	25.4	355.6	165.1	228.6	292.1	254.0	190.5	165.1	228.6

2100HE SINGLE MODULE ORDER INFORMATION

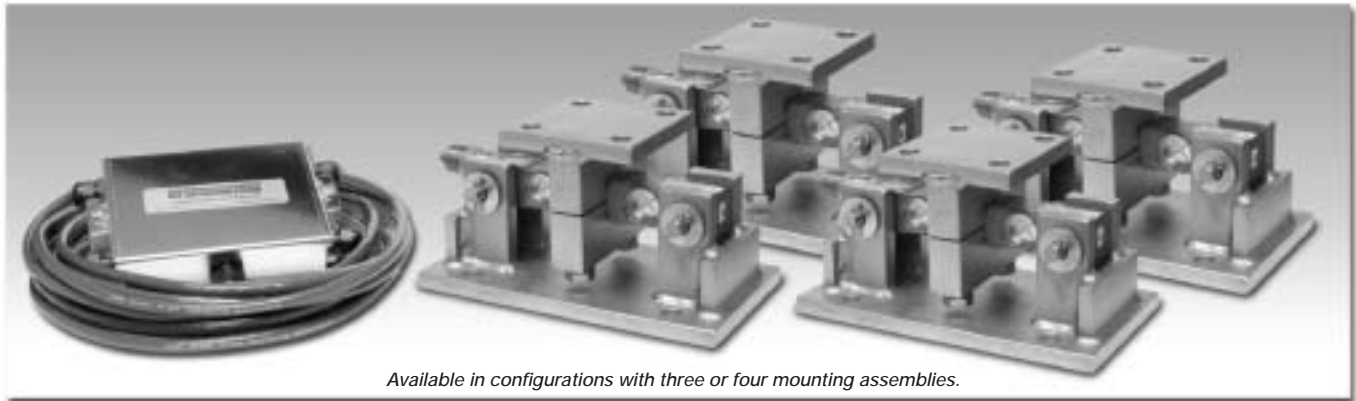
Load Rating (per module)	Part #	Suggested List Price
Single Module (Includes Load Cell)		
20,000 lb (9071.8 kg)	32951	\$1,445.00
25,000 lb (11,339.8 kg)	65541	\$1,445.00
35,000 lb (15,875.7 kg)	32952	\$2,110.00
50,000 lb (22,679.6 kg)	32953	\$2,190.00
60,000 lb (27,215.5 kg)	32954	\$2,190.00
75,000 lb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

2100HE KIT ORDER INFORMATION

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

SURVIVOR® HE Weigh Modules

RL1600 HE Series Stainless Steel, Hermetically Sealed Weigh Modules



Available in configurations with three or four mounting assemblies.

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

Load Cell Certifications:



Fabricated stainless steel module with RL75016 WHE double-ended beam load cell. Refer to page 137 for load cell specifications.



Complete Kit Includes:

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

APPLICATIONS:

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

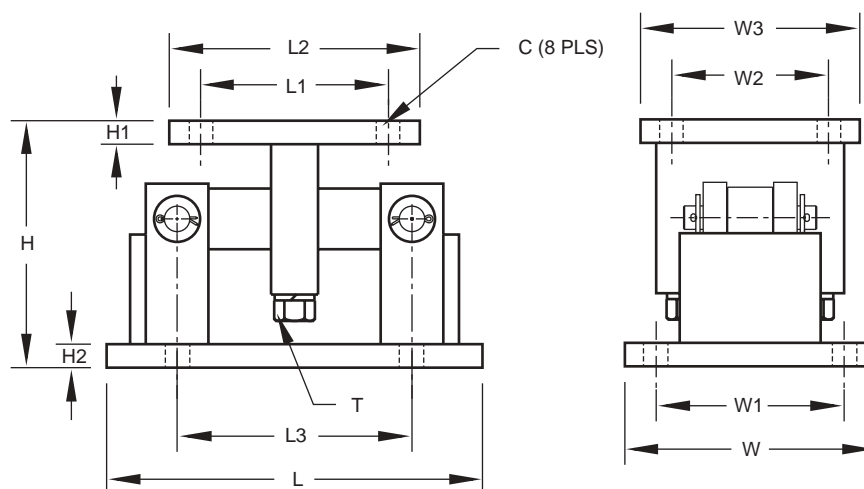
STANDARD FEATURES:

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

304 Stainless Steel, Hermetically Sealed RL1600 HE Series Specifications

**Complete Kit!
Compare
& Save!**

SURVIVOR Weigh Modules



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

RL1600 HE ORDER INFORMATION

Load Rating (Per Module)	Part #	Suggested List Price
3-Module Kit		
1000 lb (453.6 kg)	46723	\$3,355.00
2500 lb (1134.0 kg)	46724	\$3,355.00
5000 lb (2268.0 kg)	46725	\$3,355.00
10,000 lb (4535.9 kg)	46726	\$4,755.00
15,000 lb (6803.9 kg)	46727	\$4,755.00
25,000 lb (11,339.8 kg)	46728	\$4,755.00
4-Module Kit		
1000 lb (453.6 kg)	46729	\$4,455.00
2500 lb (1134.0 kg)	46730	\$4,455.00
5000 lb (2268.0 kg)	46731	\$4,455.00
10,000 lb (4535.9 kg)	46732	\$6,655.00
15,000 lb (6803.9 kg)	46733	\$6,655.00
25,000 lb (11,339.8 kg)	46734	\$6,655.00
Dummy Load Cells		
1000 - 5000 lb (453.6 - 2268.0 kg)	18236	\$20.00
10,000 - 25,000 lb (4535.9 - 11,339.8 kg)	18237	\$35.00
Equalizer Pads		
1000 lb - 5000 lb	67152	\$35.00
10,000 lb - 25,000 lb	67153	\$50.00

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Weigh Modules • Tank and Hopper Kits

ITCM Isolated Tension Cell Modules



Available in configurations with three or four mounting assemblies.

Complete Kit Includes:

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

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

Load Cell Certifications:



Module with RL20000 S-Beam load cell. Refer to page 98 for load cell specifications.

APPLICATIONS:

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

STANDARD FEATURES:

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

* Excluding 20,000 lb (9071.9 kg) capacity

Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 348

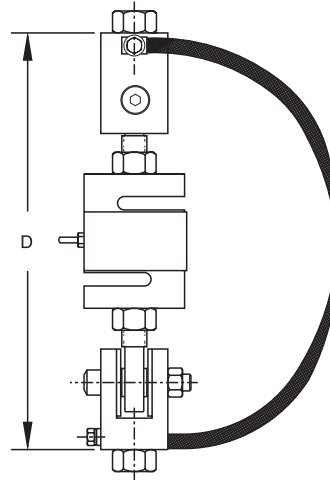
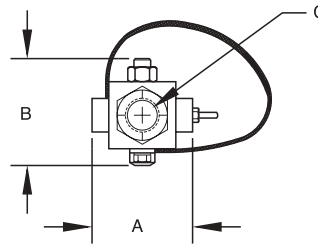
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ITCM Specifications

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Weigh Modules

ITCM ORDER INFORMATION

*LOAD RATING (LOAD CELL CAPACITY)	DIMENSIONS - INCHES (MM)				Single Module		3-Module Kit		4-Module Kit	
	A	B	C	D	Part #	Suggested List Price	Part #	Suggested List Price	Part #	Suggested List Price
100 lb (45.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	17851.....	\$430.00	18003.....	\$1,540.00	18027.....	\$1,970.00
100 lb (45.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	17831.....	\$430.00	18004.....	\$1,540.00	18028.....	\$1,970.00
150 lb (68.0 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	30337.....	\$430.00	30357.....	\$1,540.00	30359.....	\$1,970.00
150 lb (68.0 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	30336.....	\$430.00	30358.....	\$1,540.00	30360.....	\$1,970.00
200 lb (90.7 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	30335.....	\$430.00	30361.....	\$1,540.00	30363.....	\$1,970.00
200 lb (90.7 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	30338.....	\$430.00	30362.....	\$1,540.00	30364.....	\$1,970.00
250 lb (113.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	17852.....	\$430.00	18005.....	\$1,540.00	18029.....	\$1,970.00
250 lb (113.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	17832.....	\$430.00	18006.....	\$1,540.00	18030.....	\$1,970.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	17853.....	\$460.00	18007.....	\$1,630.00	18031.....	\$1,995.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	17858.....	\$460.00	18008.....	\$1,630.00	18032.....	\$1,995.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	17833.....	\$460.00	18009.....	\$1,630.00	18033.....	\$1,995.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	17854.....	\$460.00	18010.....	\$1,630.00	18034.....	\$1,995.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	17859.....	\$460.00	18011.....	\$1,630.00	18035.....	\$1,995.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	17834.....	\$460.00	18012.....	\$1,630.00	18036.....	\$1,995.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	17855.....	\$460.00	18013.....	\$1,630.00	18037.....	\$1,995.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	17860.....	\$460.00	18014.....	\$1,630.00	18038.....	\$1,995.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	17835.....	\$460.00	18015.....	\$1,630.00	18039.....	\$1,995.00
1500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	17856.....	\$460.00	18016.....	\$1,630.00	18040.....	\$1,995.00
1500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	17861.....	\$460.00	18017.....	\$1,630.00	18041.....	\$1,995.00
1500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	17836.....	\$460.00	18018.....	\$1,630.00	18042.....	\$1,995.00
2000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	17857.....	\$460.00	18019.....	\$1,630.00	18043.....	\$1,995.00
2000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	17862.....	\$460.00	18020.....	\$1,630.00	18044.....	\$1,995.00
2000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	17837.....	\$460.00	18021.....	\$1,630.00	18045.....	\$1,995.00
2500 lb (1134.0 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	17863.....	\$460.00	18022.....	\$1,630.00	18046.....	\$1,995.00
2500 lb (1134.0 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	17838.....	\$460.00	18023.....	\$1,630.00	18047.....	\$1,995.00
3000 lb (1360.8 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	10.50 (ref) (266.7)	30339.....	\$500.00	30365.....	\$1,750.00	30366.....	\$2,230.00
5000 lb (2268.0 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	12.25 (ref) (311.2)	17864.....	\$675.00	18024.....	\$2,280.00	18048.....	\$2,950.00
5000 lb (2268.0 kg)	3.37 (85.6)	3.37 (85.6)	1-8 NC	12.25 (ref) (311.2)	17839.....	\$675.00	18025.....	\$2,280.00	18049.....	\$2,950.00
10,000 lb (4535.9 kg)	3.37 (85.6)	3.37 (85.6)	1-8 NC	12.25 (ref) (311.2)	17840.....	\$675.00	18026.....	\$2,280.00	18050.....	\$2,950.00
15,000 lb (6803.9 kg)	4.00 (101.6)	4.12 (104.6)	1 1/4-7 NC	18.00 (ref) (457.2)	17960.....	\$1,540.00	30353.....	\$4,975.00	30354.....	\$6,400.00
20,000 lb (9071.9 kg)	5.00 (127.0)	4.12 (104.6)	1 1/2-6 UNC	20.00 (ref) (508.0)	17961.....	\$1,760.00	30355.....	\$5,545.00	30356.....	\$7,295.00

* Load Rating is per module

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Weigh Modules • Tank and Hopper Kits

ITCM SS

Stainless Steel Isolated Tension Cell Modules



Available in configurations with three or four mounting assemblies.

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

Load Cell Certifications:



Module with
RL20000 SS S-Beam
load cell. Refer to
page 99 for load
cell specifications.



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

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

Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 348

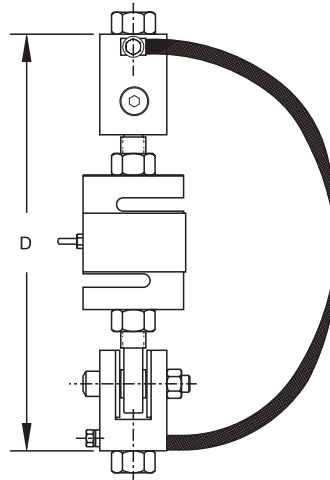
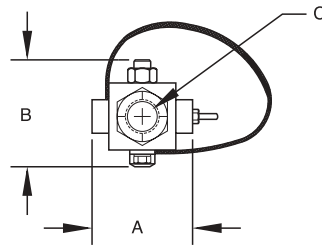
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ITCM SS Specifications

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Weigh Modules

ITCM SS ORDER INFORMATION

*LOAD RATING (LOAD CELL CAPACITY)	DIMENSIONS - INCHES (MM)				Single Module		3-Module Kit		4-Module Kit	
	A	B	C	D	Part #	Suggested List Price	Part #	Suggested List Price	Part #	Suggested List Price
100 lb (45.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	46765.....	\$695.00	46735.....	\$2,295.00	46751.....	\$2,895.00
100 lb (45.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	46766.....	\$695.00	46736.....	\$2,295.00	46752.....	\$2,895.00
250 lb (113.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	46767.....	\$695.00	46737.....	\$2,295.00	46753.....	\$2,895.00
250 lb (113.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	46768.....	\$695.00	46738.....	\$2,295.00	46754.....	\$2,895.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46769.....	\$695.00	46739.....	\$2,295.00	46755.....	\$2,895.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46770.....	\$695.00	46740.....	\$2,295.00	46756.....	\$2,895.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46771.....	\$695.00	46741.....	\$2,295.00	46757.....	\$2,895.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46772.....	\$695.00	46742.....	\$2,295.00	46758.....	\$2,895.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46773.....	\$695.00	46743.....	\$2,295.00	46759.....	\$2,895.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46774.....	\$695.00	46744.....	\$2,295.00	46760.....	\$2,895.00
2500 lb (1134.0 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46775.....	\$695.00	46745.....	\$2,295.00	46761.....	\$2,895.00
2500 lb (1134.0 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46776.....	\$695.00	46746.....	\$2,295.00	46762.....	\$2,895.00
3000 lb (1360.8 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	10.75 (ref) (273.0)	46777.....	\$745.00	46747.....	\$2,445.00	46763.....	\$3,095.00
5000 lb (2268.0 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	12.00 (ref) (304.8)	46778.....	\$1,195.00	46748.....	\$3,795.00	46764.....	\$4,995.00

* Load Rating is per module

Weigh Modules • Tank and Hopper Kits

ITCM HE - Stainless Steel, Welded-seal NTEP Approved Isolated Tension Cell Modules



Available in configurations with three or four mounting assemblies.

Complete Kit Includes:

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

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

Load Cell Certifications:



Module with
RL20001 HE
S-Beam load cell.
Refer to page 102
for load cell
specifications.



APPLICATIONS:

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

STANDARD FEATURES:

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

Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 348

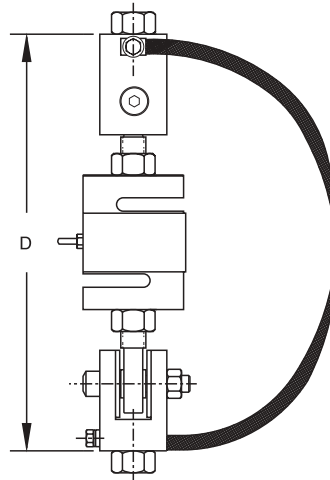
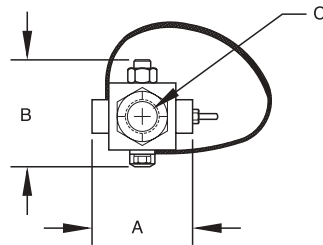
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ITCM HE Specifications

**Complete Kit!
Compare
& Save!**



Weigh Modules

ITCM HE ORDER INFORMATION

*LOAD RATING (LOAD CELL CAPACITY)	DIMENSIONS - INCHES (MM)				Single Module		3-Module Kit		4-Module Kit	
	A	B	C	D	Part #	Suggested List Price	Part #	Suggested List Price	Part #	Suggested List Price
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46599.....	\$880.00	46561.....	\$2,995.00	46580.....	\$3,775.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46600.....	\$880.00	46562.....	\$2,995.00	46581.....	\$3,775.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46601.....	\$880.00	46563.....	\$2,995.00	46582.....	\$3,775.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46602.....	\$980.00	46564.....	\$3,195.00	46583.....	\$4,185.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46603.....	\$980.00	46565.....	\$3,195.00	46584.....	\$4,185.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46604.....	\$980.00	46566.....	\$3,195.00	46585.....	\$4,185.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46605.....	\$980.00	46567.....	\$3,195.00	46586.....	\$4,185.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46606.....	\$980.00	46568.....	\$3,195.00	46587.....	\$4,185.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46607.....	\$980.00	46569.....	\$3,195.00	46588.....	\$4,185.00
1500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46608.....	\$980.00	46570.....	\$3,195.00	46589.....	\$4,185.00
1500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46609.....	\$980.00	46571.....	\$3,195.00	46590.....	\$4,185.00
1500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46610.....	\$980.00	46572.....	\$3,195.00	46591.....	\$4,185.00
2000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46611.....	\$980.00	46573.....	\$3,195.00	46592.....	\$4,185.00
2000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46612.....	\$980.00	46574.....	\$3,195.00	46593.....	\$4,185.00
2000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46613.....	\$980.00	46575.....	\$3,195.00	46594.....	\$4,185.00
2500 lb (1134.0 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46614.....	\$980.00	46576.....	\$3,195.00	46595.....	\$4,185.00
2500 lb (1134.0 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46615.....	\$980.00	46577.....	\$3,195.00	46596.....	\$4,185.00
3000 lb (1360.8 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	10.00 (ref) (254.0)	46616.....	\$980.00	46578.....	\$3,195.00	46597.....	\$4,185.00
5000 lb (2268.0 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	12.62 (ref) (320.5)	46617.....	\$1,420.00	46579.....	\$4,525.00	46598.....	\$5,945.00

* Load Rating is per module

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Weigh Modules • Tank and Hopper Kits

RL50210 TA

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



Available in configurations with three or four mounting assemblies.

Complete Kit Includes:

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

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

APPLICATIONS:

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

STANDARD FEATURES:

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

OPTIONAL FEATURES:

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

Load Cell Certification:



RL30000 only



Module with RL50210 or RL50210SS cantilever beam load cell; capacities (per module): 50 lb (22.7 kg), 100 lb (45.4 kg), 150 lb (68.0 kg) and 250 lb (113.4 kg). Refer to page 122 or 123 for load cell specifications. 500 lb model features RL30000 single ended beam load cell; refer to page 104 for load cell specifications.



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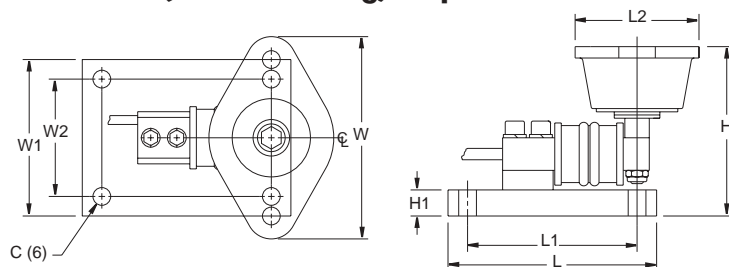
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RL50210 TA Specifications

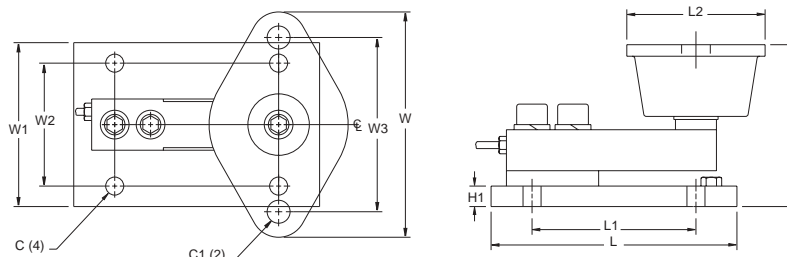
**Complete Kit!
Compare
& Save!**

50-500 lb (22.7-226.8 kg) Capacities



**Stainless Steel
Upgrade Now
Available!**

50-250 lb (22.7-113.4 kg)



500 lb (226.8 kg)

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

RL50210 TA RLWS ORDER INFORMATION

*Load Rating (Load Cell Capacity)	Part #	Suggested List Price
Mild Steel Single Module (Includes Load Cell)		
50 lb (22.7 kg)	17844	\$395.00
100 lb (45.4 kg)	17845	\$395.00
150 lb (68.0 kg)	17846	\$395.00
250 lb (113.4 kg)	17847	\$395.00
500 lb (226.8 kg)	17848	\$525.00
Mild Steel 3-Module Kit		
50 lb (22.7 kg)	18051	\$1,370.00
100 lb (45.4 kg)	18052	\$1,370.00
150 lb (68.0 kg)	18053	\$1,370.00
250 lb (113.4 kg)	18054	\$1,370.00
500 lb (226.8 kg)	18055	\$1,775.00
Mild Steel 4-Module Kit		
50 lb (22.7 kg)	18057	\$1,760.00
100 lb (45.4 kg)	18058	\$1,760.00
150 lb (68.0 kg)	18059	\$1,760.00
250 lb (113.4 kg)	18060	\$1,760.00
500 lb (226.8 kg)	18061	\$2,250.00
Stainless Steel Single Module (Includes Load Cell)		
50 lb (22.7 kg)	63033	\$495.00
100 lb (45.4 kg)	63034	\$495.00
150 lb (68.0 kg)	63035	\$495.00
250 lb (113.4 kg)	63036	\$495.00
500 lb (226.8 kg)	17954	\$610.00
Stainless Steel 3-Module Kit		
500 lb (226.8 kg)	30394	\$2,020.00
Stainless Steel 4-Module Kit		
500 lb (226.8 kg)	30393	\$2,650.00

65059 VISHAY SENSORTRONICS ORDER INFORMATION

*Load Rating (Load Cell Capacity)	Part #	Suggested List Price
Mild Steel Single Module (Includes Load Cell)		
50 lb (22.7 kg)	17825	\$395.00
100 lb (45.4 kg)	17826	\$395.00
150 lb (68.0 kg)	17827	\$395.00
250 lb (113.4 kg)	17828	\$395.00
500 lb (226.8 kg)	17829	\$525.00
Mild Steel 3-Module Kit		
50 lb (22.7 kg)	18063	\$1,370.00
100 lb (45.4 kg)	18064	\$1,370.00
150 lb (68.0 kg)	18065	\$1,370.00
250 lb (113.4 kg)	18066	\$1,370.00
500 lb (226.8 kg)	18067	\$1,775.00
Mild Steel 4-Module Kit		
50 lb (22.7 kg)	18069	\$1,760.00
100 lb (45.4 kg)	18070	\$1,760.00
150 lb (68.0 kg)	18071	\$1,760.00
250 lb (113.4 kg)	18072	\$1,760.00
500 lb (226.8 kg)	18073	\$2,250.00
Stainless Steel Single Module (Includes Load Cell)		
500 lb (226.8 kg)	17950	\$610.00
Stainless Steel 3-Module Kit		
500 lb (226.8 kg)	30392	\$2,020.00
Stainless Steel 4-Module Kit		
500 lb (226.8 kg)	30391	\$2,650.00

* Load Rating is per module

Weigh Modules

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Weigh Modules • Tank and Hopper Kits

RL50210 TA

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



Available in configurations with three or four mounting assemblies.

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

Load Cell Certifications:



Module with RL30000W single-ended shear beam load cell; capacities (per module): NTEP-certified 1000 lb (453.6 kg) load cell shown. Refer to page 105 for load cell specifications.



APPLICATIONS:

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

Complete Kit Includes:

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL30000W shear beam load cells
- 3 or 4 neoprene isolation/compression mounts
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

STANDARD FEATURES:

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

OPTIONAL FEATURES:

- Welded stainless steel cells available in stainless steel mounts

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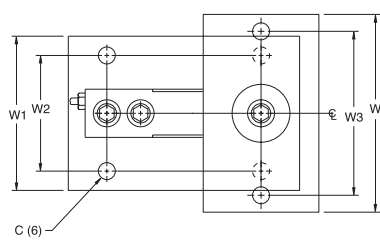
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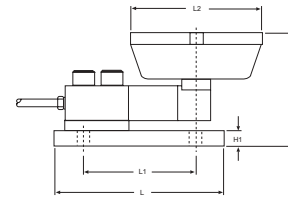
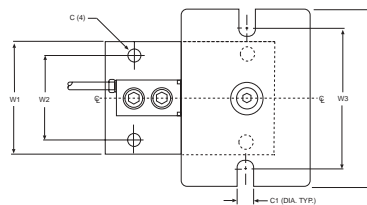
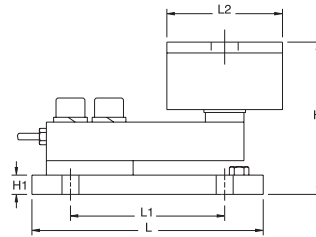
RL50210 TA Specifications

**Complete Kit!
Compare
& Save!**

1000-2500 lb (453.6-1134.0 kg) Capacities



1000 lb (453.6 kg)



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

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

RL50210 TA ORDER INFORMATION

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

* Load Rating is per module

65059 VISHAY SENSORTRONICS ORDER INFORMATION

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

Weigh Modules • Tank and Hopper Kits

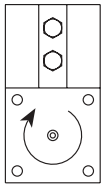
Paramounts® EP (Environmentally-Protected Load Cells) Mild Steel, Light- to Medium-Capacity Tank Weighing Systems



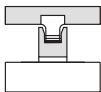
Available in configurations with three or four mounting assemblies.

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

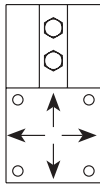
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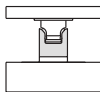
A: FIXED PIN



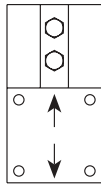
Fixed-Pin Mount



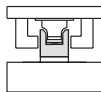
B: FREE SLIDING



Free-Sliding Mount



C: SIDE STOP



Side-Stop Mount

Free-Sliding Module with Flintec SB5 bending beam load cell. Refer to page 206 for load cell specifications.



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

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

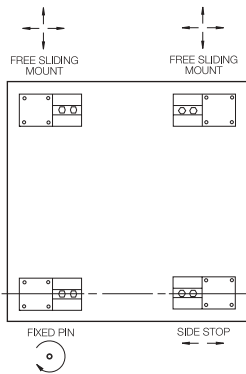
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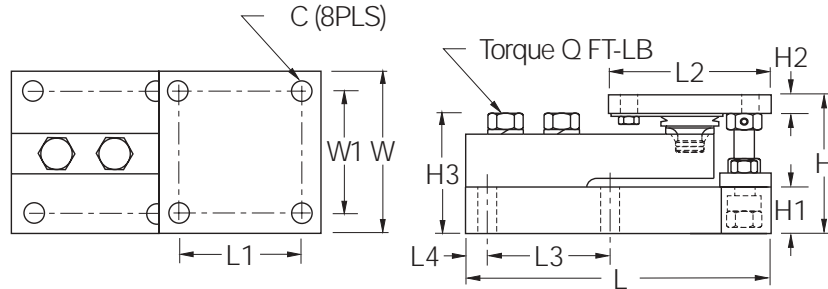
Paramounts EP Specifications

**Complete Kit!
Compare
& Save!**



VESSEL ARRANGEMENT

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



RATED CAPACITY	DIMENSIONS											Q		
	C	H	H1	*H2	**H2	H3	L	L1	L2	L3	L4	W	W1	(FT- LB)
lb/inches														
1125-4500 (5-23 kN†)	.437	3.58	1.25	.50	.75	3.06	7.51	3.00	4.00	3.00	.50	4.00	3.00	65
11,250 (50 kN†)	.562	4.66	1.50	.62	1.00	4.09	9.19	3.87	5.00	3.87	.56	5.00	3.87	295
22,500 (100 kN†)	.688	6.41	2.00	.75	1.25	5.73	11.46	4.75	6.00	4.75	.69	6.00	4.75	515
kg/mm														
510.8-2041	11.1	90.9	31.8	12.7	19.1	77.7	190.8	76.2	101.6	76.2	12.7	101.6	76.2	
5107.5	14.3	118.4	38.1	15.7	25.4	103.9	233.4	98.3	127.0	98.3	14.2	127.0	98.3	
10,215.0	17.5	162.8	50.8	19.1	31.8	145.5	291.1	120.7	152.4	120.7	17.5	152.4	120.7	

PARAMOUNTS EP MILD STEEL ORDER INFORMATION

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

* Side Stop and Free Sliding units

** Fixed Pin units

[†] kN = Kilonewtons 1 kN = 224.8089 lb

Weigh Modules • Tank and Hopper Kits

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



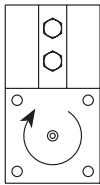
Available in configurations with three or four mounting assemblies.

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

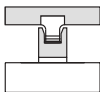
Load Cell Certifications:



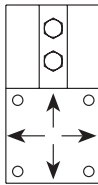
Except 225 lb
& 520 lb



A: FIXED PIN



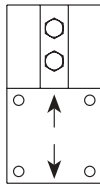
Fixed-Pin Mount



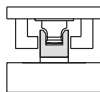
B: FREE SLIDING



Free-Sliding Mount



C: SIDE STOP



Side-Stop Mount

Free-Sliding Module with Flintec
SB4 bending beam load cell.
Refer to page 205 for load
cell specifications.



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

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

OPTIONAL FEATURES:

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

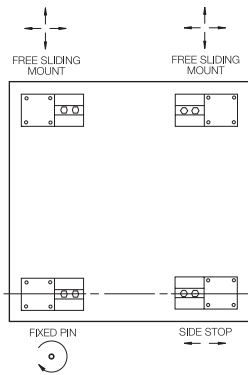
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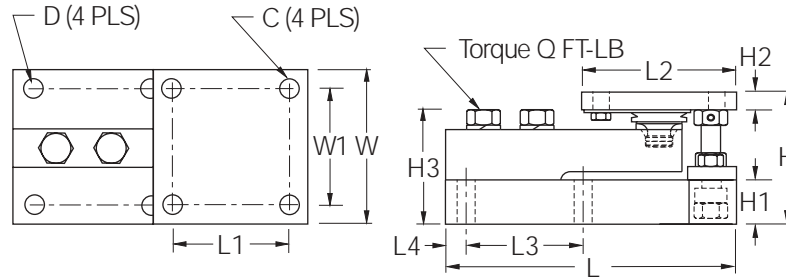
Paramounts HS Specifications

**Complete Kit!
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VESSEL ARRANGEMENT

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



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

PARAMOUNTS HS MILD STEEL ORDER INFORMATION

Load Rating (Per Module)	Part #	Suggested List Price
NTEP 3-Module Kit		
1125 lb (5 kN [†] /510.8 kg).....	29871.....	\$2,895.00
2250 lb (10 kN [†] /1021.5 kg).....	29872.....	\$2,895.00
5200 lb (23 kN [†] /2360.8 kg).....	29873.....	\$2,895.00
11,250 lb (50 kN [†] /5107.5 kg).....	29874.....	\$3,510.00
NTEP 4-Module Kit		
1125 lb (5 kN [†] /510.8 kg).....	29875.....	\$3,795.00
2250 lb (10 kN [†] /1021.5 kg).....	29876.....	\$3,795.00
5200 lb (23 kN [†] /2360.8 kg).....	29877.....	\$3,795.00
11,250 lb (50 kN [†] /5107.5 kg).....	29878.....	\$4,595.00

* Side Stop and Free Sliding units

** Fixed Pin units

[†] kN = Kilonewtons 1 kN = 224.8089 lb

PARAMOUNTS HS MILD STEEL ORDER INFORMATION

Load Rating (Per Module)	Part #	Suggested List Price
Non-NTEP 3-Module Kit		
225 lb (1kN/102.2 kg).....	38201.....	\$2,695.00
520 lb (2.3kN/236.1 kg).....	38205.....	\$2,695.00
1125 lb (5kN/510.8 kg).....	17977.....	\$2,695.00
2250 lb (10kN/1021.5 kg).....	17978.....	\$2,695.00
5200 lb (23kN/2360.8 kg).....	17979.....	\$2,695.00
11,250 lb (50kN/5107.5 kg).....	17980.....	\$3,145.00
22,500 lb (100kN/10,215.0 kg).....	17981.....	\$3,800.00
Non-NTEP 4-Module Kit		
225 lb (1kN/102.2 kg).....	38202.....	\$3,525.00
520 lb (2.3kN/236.1 kg).....	38206.....	\$3,525.00
1125 lb (5kN/510.8 kg).....	17984.....	\$3,525.00
2250 lb (10kN/1021.5 kg).....	17985.....	\$3,525.00
5200 lb (23kN/2360.8 kg).....	17986.....	\$3,525.00
11,250 lb (50kN/5107.5 kg).....	17987.....	\$4,095.00
22,500 lb (100kN/10,215.0 kg).....	17988.....	\$4,975.00

***Conduit Adapter, 1/2-14 NPT 17703.....\$35.00

*** Suitable for Flintec SB4 Load Cell

Weigh Modules

RLBTM Mild Steel/Stainless Steel Weigh Modules



Does not include load cell.

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

APPLICATIONS:

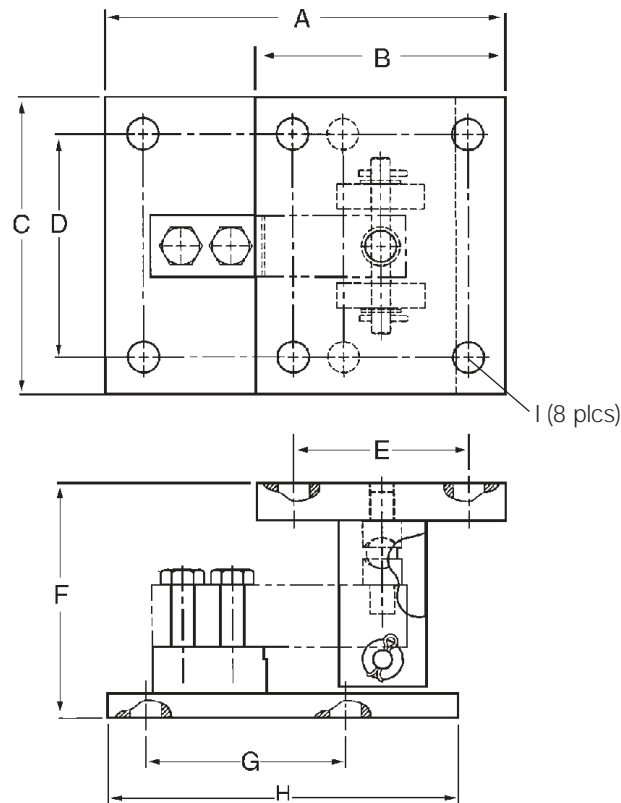
- Light- to medium-capacity tanks and hoppers
- Conveyors

STANDARD FEATURES:

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



RLBTM Specifications



Weigh Modules

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

RLBTM MILD STEEL ORDER INFORMATION

*Load Rating (Load Cell Capacity)	Part #	Suggested List Price
--------------------------------------	--------	-------------------------

Single Module (Does NOT Include Load Cell)

250 lb -5,000 lb SE (113.4-2268.0 kg)... 53059\$275.00

SE refers to small envelope

* Load Rating is per module

RLBTM STAINLESS STEEL ORDER INFORMATION

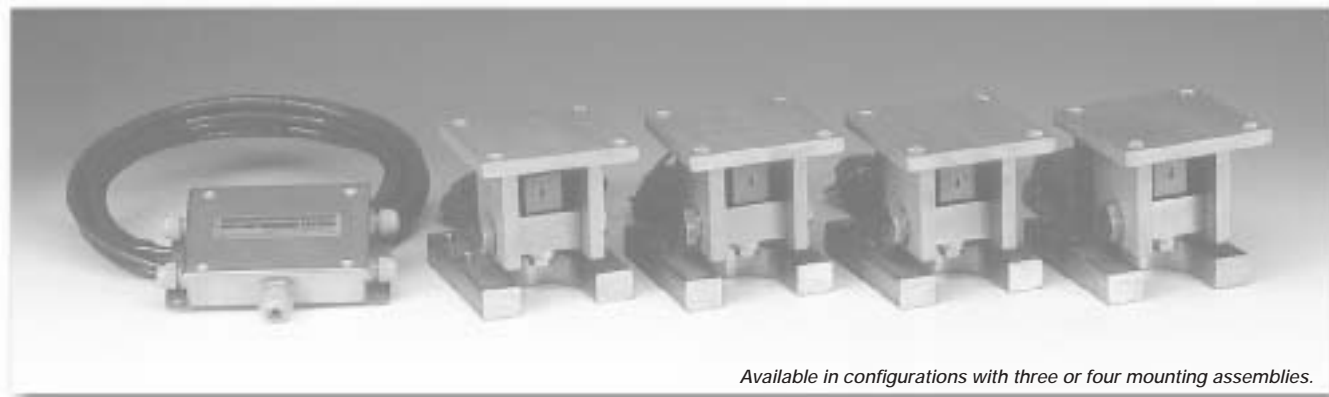
*Load Rating (Load Cell Capacity)	Part #	Suggested List Price
--------------------------------------	--------	-------------------------

Single Module (Does NOT Include Load Cell)

1,000-4,000 lb (453.6-1814.4 kg)... 53066\$450.00

Weigh Modules • Tank and Hopper Kits

RL1800 Series Mild Steel/Stainless Steel Weigh Modules



Available in configurations with three or four mounting assemblies.

The RL1800 Series Mounting Assembly Kit utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications. The RL1800 Series kit is ideally suited for indoor and outdoor process control operations with medium-range capacities. Each module combines multi-directional movement and self-checking capabilities. The RL30000W and RL35023S load cells used are NTEP certified in capacities of 1000 lb to 10,000 lb.

Load Cell Certifications:



Module with RL30000W single-ended beam load cell. Refer to page 105 for load cell specifications.



Complete Kit Includes:

- 1 EL604STA NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL1800 mild or stainless steel compression mounts
- 3 or 4 RL30000W single-ended beam load cells, RL35023S used in stainless kits
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

APPLICATIONS:

- Conveyors
- Medium-capacity tanks and hoppers

STANDARD FEATURES:

- Capacities (per module): 250-10,000 lb (113.4-4535.9 kg)
- NTEP-certified cells in 1000-10,000 lb (453.6-4535.9 kg) capacities (except 3000 lb [1360.9 kg])
- Zinc plated mild steel/stainless steel construction
- Center-pivoted, tension loading design
- Self-checking, multi-directional movement
- Load is suspended on high-strength bolt instead of wire rope
- Design incorporates spherical washers for self centering
- Stainless steel kit includes RL35023S NTEP-certified load cell

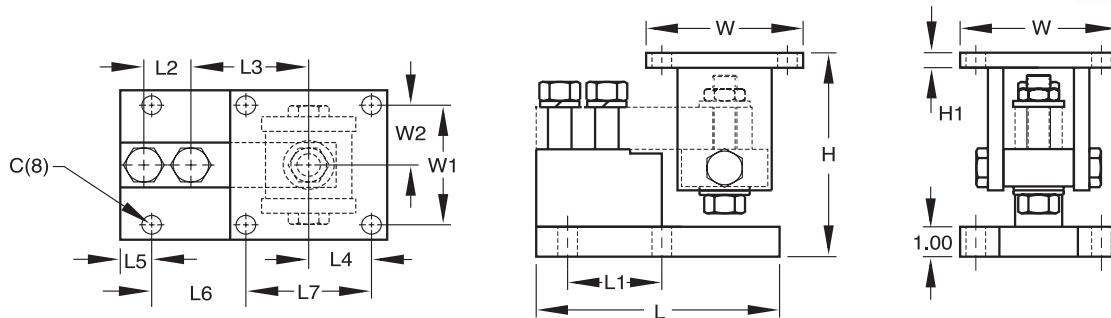
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RL1800 Series Specifications

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& Save!**



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

RL1800 MILD STEEL ORDER INFORMATION

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

SE refers to small envelope

LE refers to large envelope

RL1800 STAINLESS STEEL ORDER INFORMATION

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

* Load Rating is per module

** Use RL30000 load cells

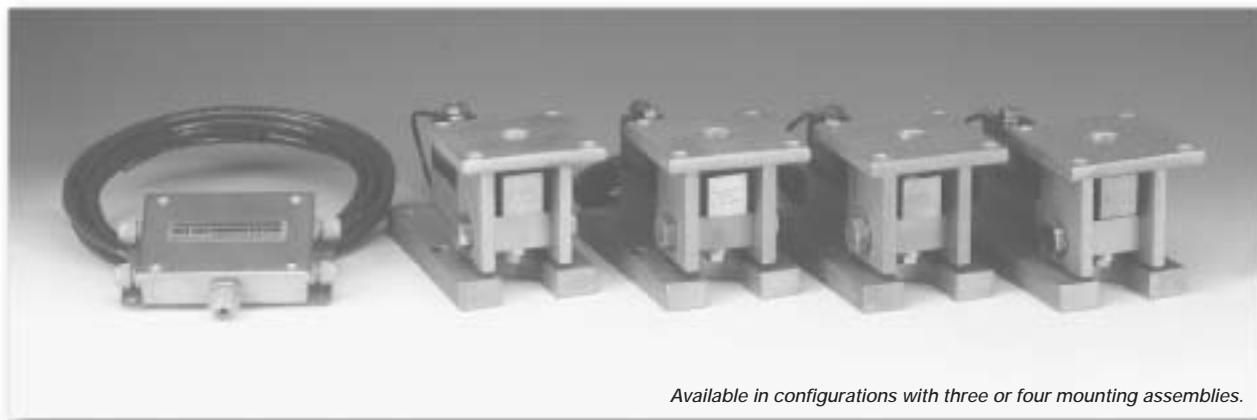
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Weigh Modules • Tank and Hopper Kits

RL1900 Series Stainless Steel Weigh Modules



Available in configurations with three or four mounting assemblies.

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

Load Cell Certifications:



Module with welded-seal
RLSSB single-ended beam load
cell. Refer to page 118 for
load cell specifications.



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

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

OPTIONAL FEATURES:

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

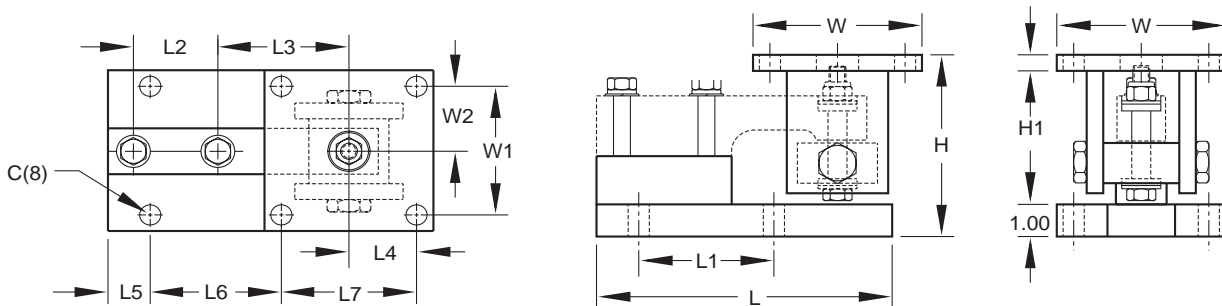
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RL1900 Series Specifications

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

RL1900 ORDER INFORMATION

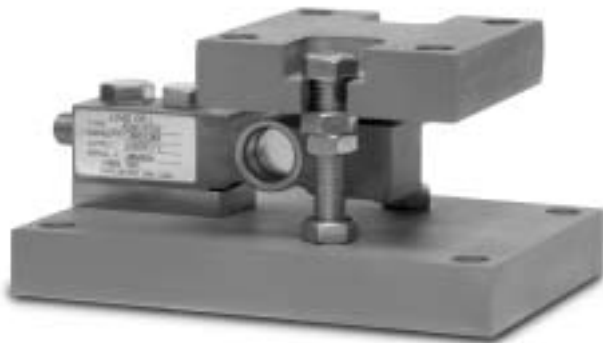
*Load Rating (Load Cell Capacity)	Part #	Suggested List Price
Single Module (Does NOT Include Load Cell)		
1000-5000 lb (453.6-2268.0 kg).....	17841.....	\$495.00
10,000 lb (4535.9 kg)	17843.....	\$525.00
3-Module Kit		
1000 lb (453.6 kg)	18109.....	\$3,515.00
2000 lb (907.2 kg)	18110.....	\$3,515.00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

* Load Rating is per module

Weigh Modules

Weigh Modules

RTM Stainless Steel Tank Weigh Module, HBM



The RTM weigh module assembly features a stainless steel, hermetically sealed HLC load cell and a fully stainless mount including all associated hardware. Utilizing a rocker pin-loading concept, this design provides accurate weighing in the most adverse conditions. Standard features include both overload and overlift protection, making it ideal for most outdoor low-capacity tank and vessel weighing applications. Each HBM RTM module is provided standard with one load cell with 15' (500 lb to 5,000 lb) or 30' (10,000 lb) of cable, one mount, and all associated hardware.

APPLICATIONS:

- Lower capacity tank and vessel weighing
- Process control and batching

STANDARD FEATURES:

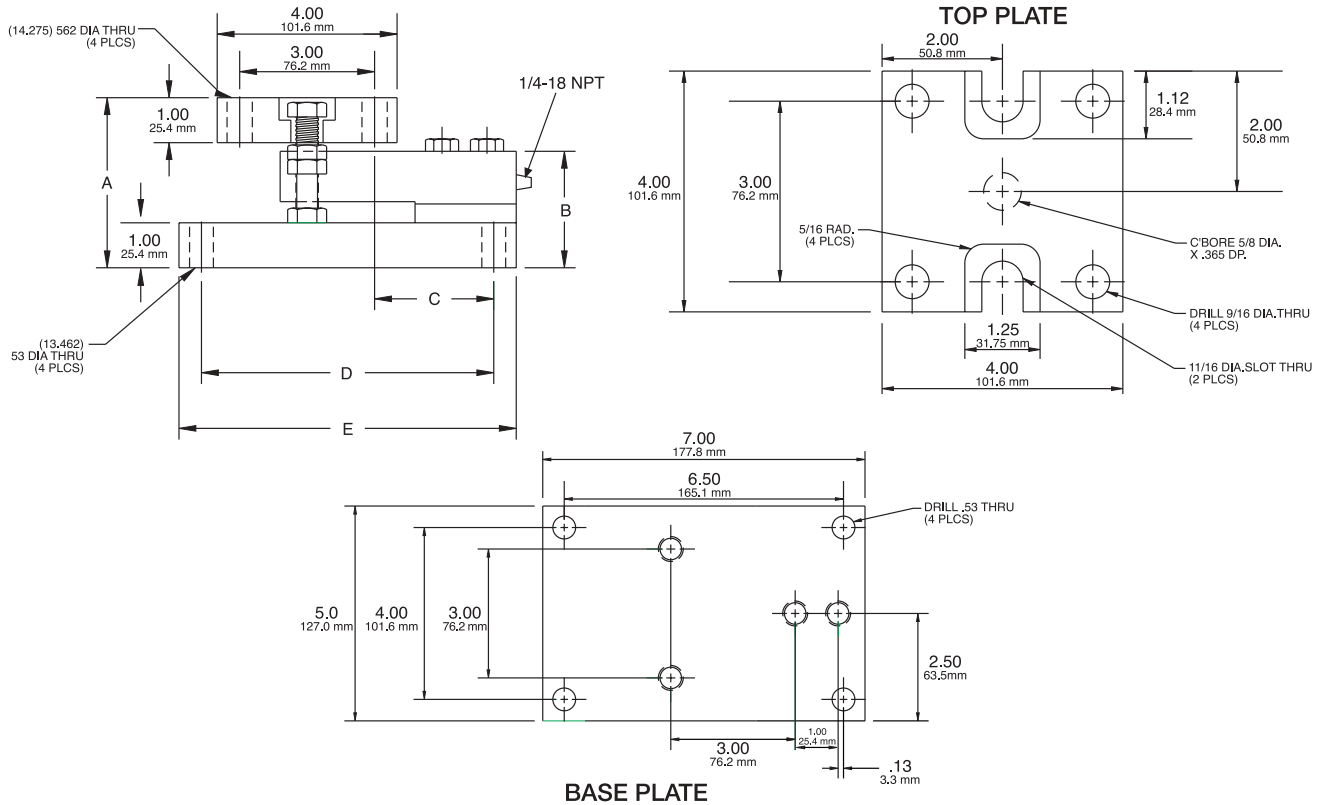
- Capacities: 500-10,000 lb (226.8-4536.0 kg)
- Stainless steel
- Overload and overlift protection
- Rocker pin loading
- Hermetically-sealed
- Integral lateral stops
- 15' cable (500-5000 lb), 30' cable (10,000 lb)

Load Cell Certifications:



Refer to next page for load cell specifications

RTM Specifications



RATED CAPACITY	A	DIMENSIONS B	C	D	E
lb/inches					
500-2500	3.78	2.59	2.65	6.50	7.50
4000	3.94	2.59	2.65	6.50	7.50
5000	4.03	2.83	2.65	6.50	7.50
10,000	4.28	3.08	3.90	7.50	8.50
kg/mm					
500-2500	96.0	65.7	67.3	165.1	190.5
4000	100.0	65.7	67.3	165.1	190.5
5000	102.3	71.8	67.3	165.1	190.5
10,000	108.7	78.2	99.0	190.5	215.9

SPECIFICATIONS:

Full Scale Output: 2.0 ± 0.2 mV/V
Bridge Resistance: 350 ohms
Material/Finish: Stainless steel
Temperature: Compensated range
15°F to 104°F/-97°C to 40°C
Safe Overload: 150% Full scale
Safe Sideload: 100% Full scale
Rated Excitation: 15V DC
Combined Error: 0.03% Full scale

Insulation Resistance: 5000 megohms
Seal Type: Hermetically-sealed
Cable Length: 15'/4.6 m (500-5000 lb)
30'/9.1 m (10,000 lb)
Cable Color Code: Green.....+ Excitation
Black.....- Excitation
White.....+ Signal
Red.....- Signal
Warranty: 1-year limited warranty

RTM ORDER INFORMATION

Load Rating	Part #	Suggested List Price
500 lb (226.8 kg)	69347	\$845.00
1250 lb (567.0 kg)	69346	\$845.00
2500 lb (1134.0 kg)	69348	\$845.00
4000 lb (1814.4 kg)	69349	\$845.00
5000 lb (2268.0 kg)	69350	\$945.00
10,000 lb (4536.0 kg)	69351	\$945.00

RTM REPLACEMENT LOAD CELL INFORMATION

Load Rating	Part #	Suggested List Price
500 lb (226.8 kg)	69999	\$385.00
1250 lb (567.0 kg)	70002	\$385.00
2500 lb (1134.0 kg)	70005	\$385.00
4000 lb (1814.4 kg)	70008	\$385.00
5000 lb (2268.0 kg)	70009	\$475.00
10,000 lb (4536.0 kg)	70014	\$525.00

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Weigh Modules • Tank and Hopper Kits

RL2200 Series

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



Available in configurations with three or four mounting assemblies.

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



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



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

- Capacities: 2500-50,000 lb (1134-22,680 kg)
- Low-profile design
- High 4 mV/V output (2 mV/V, 2500 lb)
- Self-centering in all directions—able to withstand excessive side loads
- Self-checking assembly

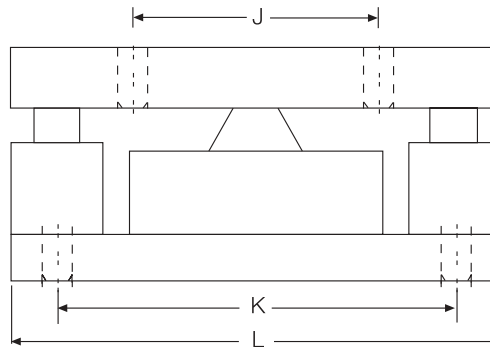
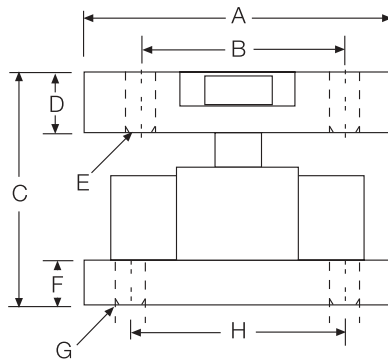
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RL2200 Series Specifications

**Complete Kit!
Compare
& Save!**



**Expanded
Capacity
Range!**

RATED CAPACITY	DIMENSIONS										
	A	B	C	D	E	F	G	H	J	K	L
lb/inches											
2500-10,000	5.0	3.50	4.00	1.00	.52	1.0	.52	3.50	4.00	6.50	8.0
25,000-50,000	6.0	4.50	5.00	1.25	.78	1.0	.78	4.50	5.00	7.75	10.0
kg/mm											
1134-4536	127.0	88.9	101.6	25.4	13.2	19.0	13.2	88.9	101.6	165.1	203.2
11,340-22,679.6	152.4	114.3	127.0	31.7	19.8	25.4	19.8	114.3	127.0	196.8	254.0

LOAD CELL SPECIFICATIONS:

Full Scale Output: 4.0 mV/V, 2.0 mV/V (2500 lb)
Bridge Resistance: 350 ohms nominal
Material/Finish: High-alloy steel, zinc plated
Safe Overload: 150% Full Scale
Rated Excitation: 10 VDC (20 V maximum)
Nonlinearity: 0.05% Full Scale
Hysteresis: 0.03% Full Scale
Temperature: Compensated range:
 15°F to 115°F/-9°C to 46°C

Insulation Resistance: 5000 megohms
Seal Type: Environmentally-sealed
Cable Length: 30'/9.1 m
Cable Color Code: Red..... + Excitation
 Black..... - Excitation
 Green..... + Signal
 White..... - Signal
Warranty: 2-year limited warranty

RL2200 SERIES ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Single Module		
2500 lb (1134 kg)	76656	\$1,125.00
5000 lb (2268 kg)	45849	\$1,125.00
10,000 lb (4536 kg)	45848	\$1,125.00
25,000 lb (11,340 kg)	45847	\$1,580.00
50,000 lb (22,680 kg)	45846	\$1,580.00
3-Module Kit		
2500 lb (1134 kg)	76897	\$3,575.00
5000 lb (2268 kg)	42811	\$3,575.00
10,000 lb (4536 kg)	42812	\$3,575.00
25,000 lb (11,340 kg)	42813	\$4,940.00
50,000 lb (22,680 kg)	42814	\$4,940.00
4-Module Kit		
2500 lb (1134 kg)	76898	\$4,700.00
5000 lb (2268 kg)	42815	\$4,700.00
10,000 lb (4536 kg)	42816	\$4,700.00
25,000 lb (11,340 kg)	42817	\$6,520.00
50,000 lb (22,680 kg)	42818	\$6,520.00

RL2200 SERIES REPLACEMENT LOAD CELL ORDER INFORMATION

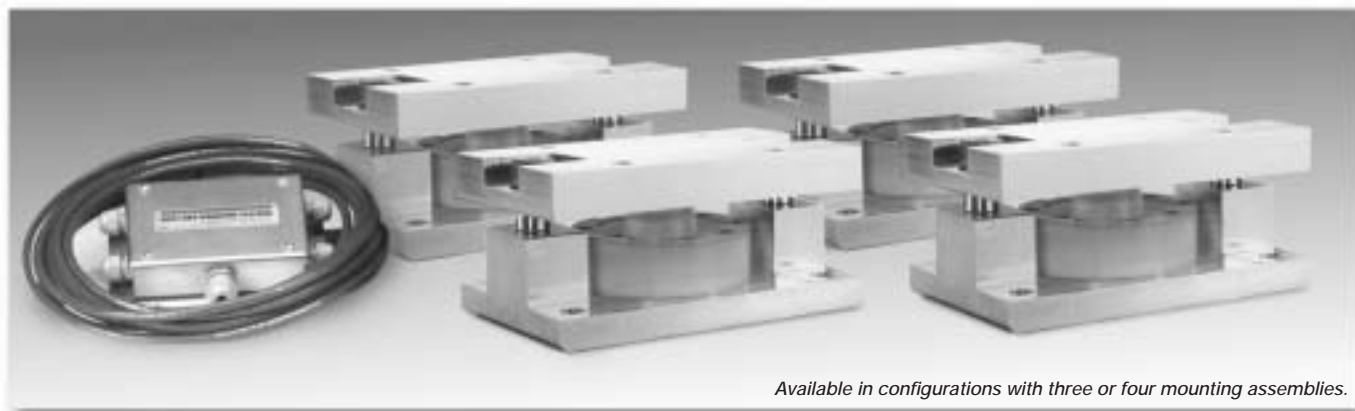
Load Rating	Part #	Suggested List Price
2500 lb (1134 kg)	76654	\$945.00
5000 lb (2268 kg)	45708	\$945.00
10,000 lb (4536 kg)	45709	\$945.00
25,000 lb (11,340 kg)	45710	\$1,150.00
50,000 lb (22,680 kg)	45711	\$1,150.00

Weigh Modules

Weigh Modules • Tank and Hopper Kits

RL2200 SS Series

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



Available in configurations with three or four mounting assemblies.

Weigh Modules

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



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



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

- Capacities: 2500-50,000 lb (1134-22,680 kg)
- Low-profile design
- High 4 mV/V output (2 mV/V, 2500 lb)
- Self-centering in all directions—able to withstand excessive side loads
- Self-checking assembly

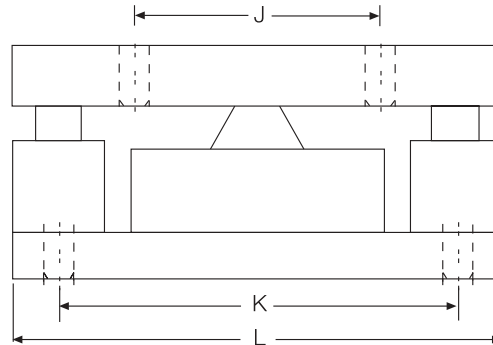
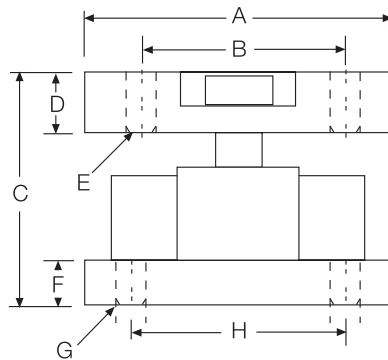
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RL2200 SS Series Specifications

**Complete Kit!
Compare
& Save!**



**Low Profile
Design!**

RATED CAPACITY	DIMENSIONS										
	A	B	C	D	E	F	G	H	J	K	L
lb/inches											
2500-10,000	5.00	3.50	4.00	1.00	.52	1.00	.52	3.50	4.00	6.50	8.00
25,000-50,000	6.00	4.50	5.00	1.25	.78	1.00	.78	4.50	5.00	7.75	10.00
kg/mm											
1134-4536	127.0	88.9	101.6	25.4	13.2	19.0	13.2	88.9	101.6	165.1	203.2
11,340-22,679.6	152.4	114.3	127.0	31.7	19.8	25.4	19.8	114.3	127.0	196.8	254.0

LOAD CELL SPECIFICATIONS:

Full Scale Output: 4.0 mV/V, 2.0 mV/V (2500 lb)
 Bridge Resistance: 350 ohms nominal
 Material/Finish: Stainless steel
 Safe Overload: 150% Full Scale
 Rated Excitation: 10 VDC (20 V maximum)
 Nonlinearity: 0.05% Full Scale
 Hysteresis: 0.03% Full Scale
 Temperature: Compensated range:
 15°F to 115°F/-9°C to 46°C

Insulation Resistance: 5000 megohms
 Seal Type: Hermetically sealed, IP66/68
 Cable Length: 30'/9.1 m
 Cable Color Code: Red + Excitation
 Black..... - Excitation
 Green..... + Signal
 White - Signal
 Warranty: 2-year limited warranty

RL2200 SS SERIES ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Single Module		
2500 lb (1134 kg)	76657	\$1,710.00
5000 lb (2268 kg)	45845	\$1,710.00
10,000 lb (4536 kg)	45844	\$1,710.00
25,000 lb (11,340 kg)	45843	\$2,650.00
50,000 lb (22,680 kg)	45842	\$2,650.00
3-Module Kit		
2500 lb (1134 kg)	76899	\$5,330.00
5000 lb (2268 kg)	46478	\$5,330.00
10,000 lb (4536 kg)	46479	\$5,330.00
25,000 lb (11,340 kg)	46480	\$8,150.00
50,000 lb (22,680 kg)	46481	\$8,150.00
4-Module Kit		
2500 lb (1134 kg)	76900	\$7,040.00
5000 lb (2268 kg)	46482	\$7,040.00
10,000 lb (4536 kg)	46483	\$7,040.00
25,000 lb (11,340 kg)	46484	\$10,800.00
50,000 lb (22,680 kg)	46485	\$10,800.00

RL2200 SS SERIES REPLACEMENT LOAD CELL ORDER INFORMATION

Load Rating	Part #	Suggested List Price
2500 lb (1134 kg)	76655	\$1,175.00
5000 lb (2268 kg)	45712	\$1,175.00
10,000 lb (4536 kg)	45713	\$1,175.00
25,000 lb (11,340 kg)	45714	\$1,380.00
50,000 lb (22,680 kg)	45715	\$1,380.00

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Weigh Modules

Weigh Modules • Tank and Hopper Kits

RLC

Stainless Steel Weigh Modules, Revere Transducers



Available in configurations with three or four mounting assemblies.

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

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

Load Cell Certifications:



Module with hermetically-sealed RLC compression canister load cell. Refer to page 266 for load cell specifications.



Complete Kit Includes:

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

APPLICATIONS:

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

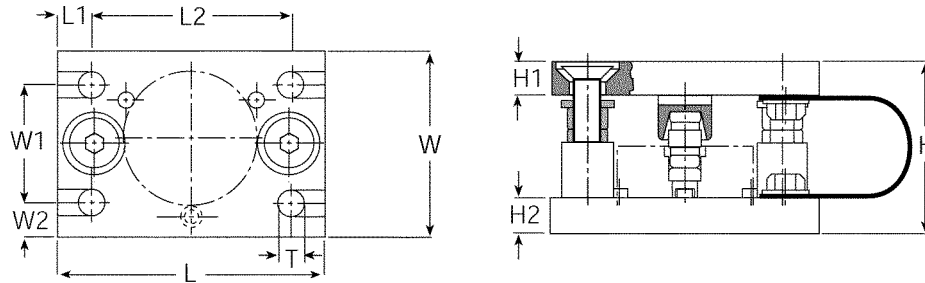
STANDARD FEATURES:

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

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

RLC ORDER INFORMATION

*Load Rating (Load Cell Capacity)	Part #	Suggested List Price
Single Module (Includes Load Cell)		
500 kg (1102.3 lb)	36401	\$985.00
1000 kg (2204.6 lb)	36402	\$985.00
2000 kg (4409.2 lb)	36403	\$985.00
3500 kg (7717.5 lb)	36404	\$1,065.00
5000 kg (11,023.1 lb)	36405	\$1,065.00
3-Module Kit		
500 kg (1102.3 lb)	36406	\$3,205.00
1000 kg (2204.6 lb)	36407	\$3,205.00
2000 kg (4409.2 lb)	36408	\$3,205.00
3500 kg (7717.5 lb)	36409	\$3,445.00
5000 kg (11,023.1 lb)	36410	\$3,445.00
4-Module Kit		
500 kg (1102.3 lb)	36411	\$4,190.00
1000 kg (2204.6 lb)	36412	\$4,190.00
2000 kg (4409.2 lb)	36413	\$4,190.00
3500 kg (7717.5 lb)	36414	\$4,495.00
5000 kg (11,023.1 lb)	36415	\$4,495.00

* Load Rating is per module

Weigh Modules • Tank and Hopper Kits

220 UNIVERSAL MOUNT

Stainless Steel Weigh Modules, Vishay Tedea-Huntleigh



Available in configurations with three or four mounting assemblies.

The 220 Universal Mount is designed to be used with the Vishay Tedea-Huntleigh Model 220 load cell. The mount incorporates built-in jacking bolts to prevent damage to the load cell during installation. Its stainless steel construction is designed to be used in the harshest of environments.

Complete Kit Includes:

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

Load Cell Certifications:



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



APPLICATIONS:

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

STANDARD FEATURES:

- Capacities (per module): 5,000-30,000 kg (11,023.1-66,139.0 lb)
- Matched output load cells eliminate trimming
- 304 stainless steel construction
- Hermetically-sealed, IP68 stainless steel load cells
- Easy load cell replacement
- Integral jacking/shipping bolts

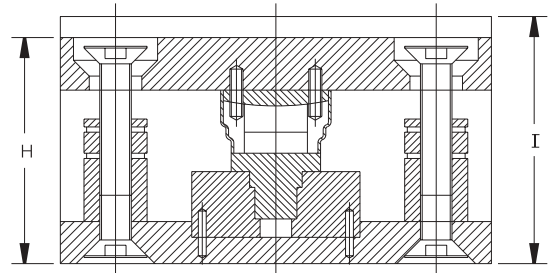
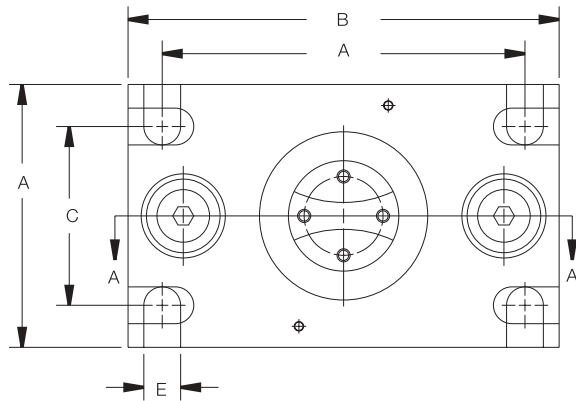
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220 Universal Mount Specifications

**Complete Kit!
Compare
& Save!**



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

SPECIFICATIONS:

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

220 UNIVERSAL MOUNT ORDER INFORMATION

Load Rating (Load Cell Capacity)	Part #	Suggested List Price
3-Module Kit (Includes Load Cell)		
5000 kg (11,023.1 lb)	66208	\$4,595.00
10,000 kg (22,046.3 lb)	66209	\$4,995.00
20,000 kg (44,092.7 lb)	66210	\$5,995.00
30,000 kg (66,139.0 lb)	66211	\$5,995.00
4-Module Kit (Includes Load Cell)		
5000 kg (11,023.1 lb)	66212	\$6,595.00
10,000 kg (22,046.3 lb)	66213	\$6,995.00
20,000 kg (44,092.7 lb)	66214	\$7,995.00
30,000 kg (66,139.0 lb)	66215	\$7,995.00

Weigh Modules

TWM

Tank Weighing Module, HBM



The HBM TWM is designed to provide a low-profile solution for high capacity tank and vessel weighing applications. This assembly combines the HBM JRT torsion ring transducer with a corrosive resistant painted steel mount to provide an effective solution for most indoor/outdoor weighing needs. The design is also more compact and easier to install than most double-ended beam designs on the market. Standard uplift protection also eliminates the need for stay rods or additional hardware for outdoor applications. Each HBM TWM assembly contains one JRT load cell with 35' of cable, one mount, and all the necessary hardware to install one highly-effective weigh point. Available in capacities ranging from 20,000 lbs to 100,000 lbs.

APPLICATIONS:

- High-capacity tank and vessel weighing
- Bulk material management

STANDARD FEATURES:

- Capacities: 20,000-100,000 lb (9072.0-45,360.0 kg)
- Overload and overlift protection
- Rocker pin loading
- Factory assembled
- Compact design
- Easy to install

OPTIONAL FEATURES:

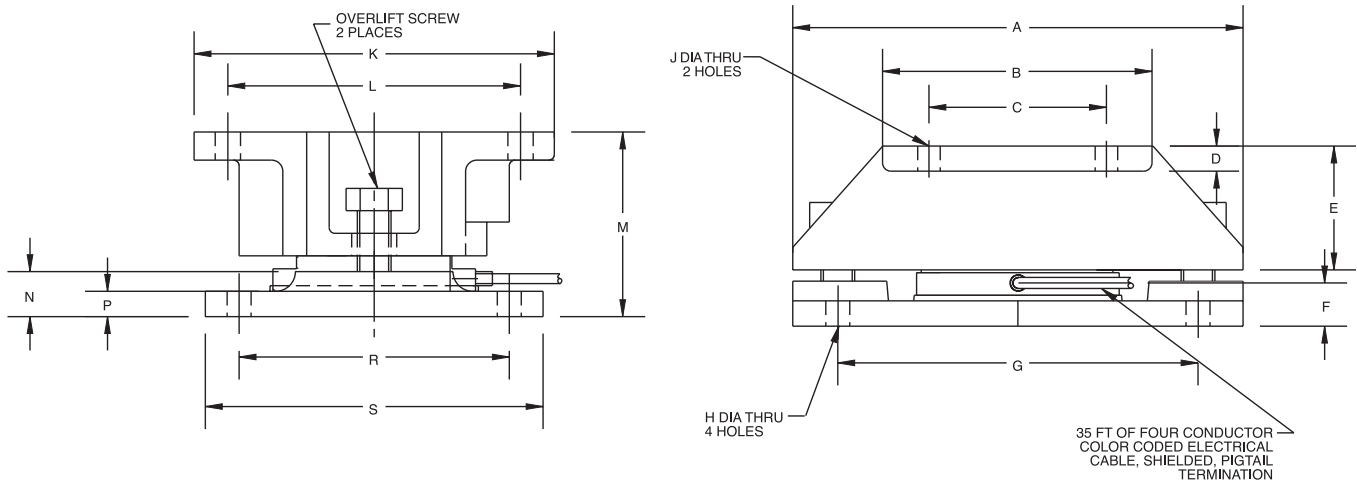
- Stainless steel construction available

Load Cell Certifications:



Refer to next page (or page 232) for load cell specifications

TWM Specifications



Weigh Modules

RATED CAPACITY	DIMENSIONS															
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S
lb/inches																
20,000	10.00	6.00	4.50	.63	2.75	1.19	8.0	.53	.56	8.00	6.5	4.0	1.00	.56	6.00	7.50
50,000-100,000	14.00	7.50	5.00	1.00	3.75	1.63	11.75	1.00	.91	10.5	8.00	6.25	2.00	1.00	8.00	10.00
kg/mm																
9072.0	254.0	152.4	114.3	16.0	69.8	30.2	203.2	13.4	14.2	203.2	165.1	101.6	25.4	14.2	152.4	190.5
22680.0-45,360.0	355.6	190.5	127.0	25.4	95.2	41.4	298.4	25.4	23.1	266.7	203.2	158.7	50.8	25.4	203.2	254.0

SPECIFICATIONS:

Full Scale Output: 2.0 ± 0.2 mV/V
Bridge Resistance: 700 ohm
Material/Finish: High alloy steel
Temperature: Compensated range
15°F to 115°F/-97°C to 46°C
Safe Overload: 150% Full scale
Safe Sideload: 100% Full scale
Rated Excitation: 15V DC
Combined error: .03% Full scale

Insulation Resistance: 5000 megohms
Seal Type: Environmentally-sealed
Cable Length: 35' (10.6 m)
Cable Color Code: Green + Excitation
Black - Excitation
White + Signal
Red - Signal
Yellow Shield
Warranty: 1-year limited warranty

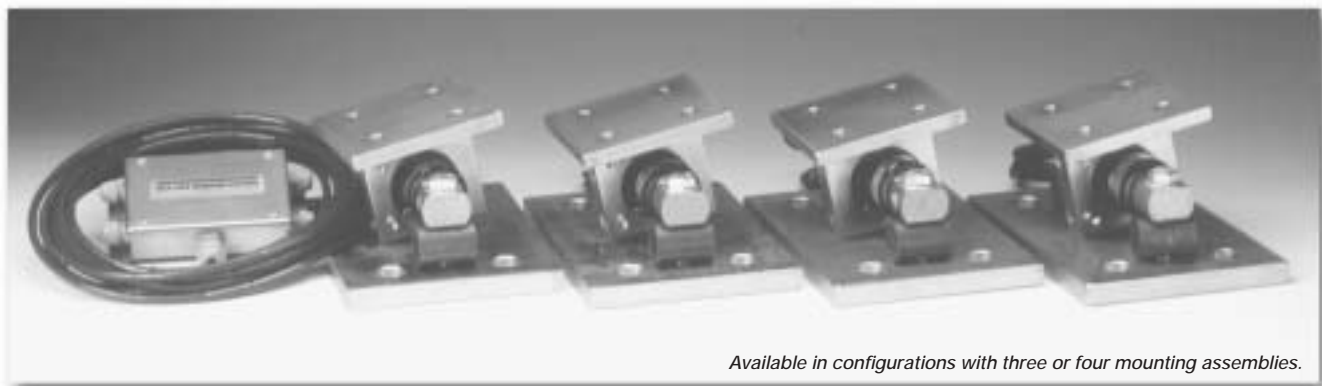
TWM ORDER INFORMATION

Load Rating (Load Cell Capacity)	Part #	Suggested List Price
20,000 lb (9072.0 kg)	69390.....	\$1,225.00
50,000 lb (22680.0 kg)	69392.....	\$1,750.00
100,000 lb (45,360.0 kg)	69395.....	\$1,995.00

Weigh Modules • Tank and Hopper Kits

EZ Mount 1

Mild Steel, Rice Lake Weighing Systems/Revere Transducers



Available in configurations with three or four mounting assemblies.

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

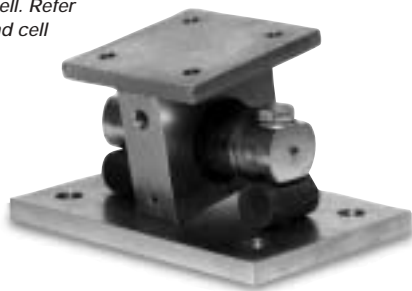
The double-ended beam design means there is less cumbersome hardware and each module has a lower profile than modules of different configurations.

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

Load Cell Certifications:



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



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

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

OPTIONAL FEATURES:

- Kits available with Revere Transducers 5103 load cell, capacities in 5000-150,000 lb (2268.0-68,039.0 kg)

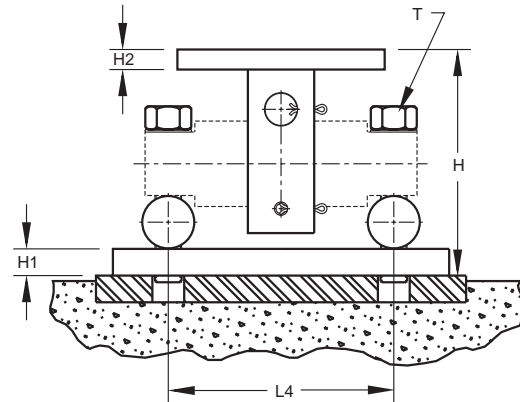
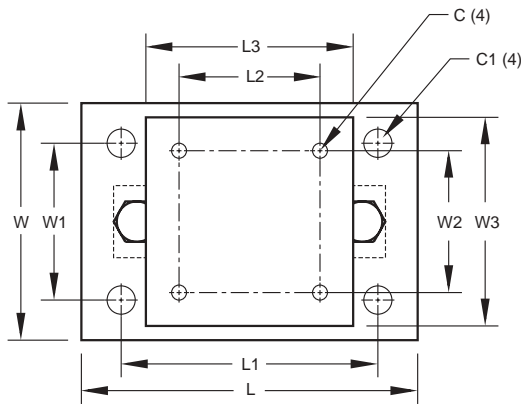
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Mild Steel EZ Mount 1 Specifications

**Complete Kit!
Compare
& Save!**



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

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

EZ MOUNT 1 MILD STEEL ORDER INFORMATION		
Load Rating (Per Module)	Part #	Suggested List Price
Single Module (Does NOT Include Load Cell)		
5000 lb (2268.0 kg)	17823	\$295.00
30,000 lb (13,607.8 kg)	17824	\$795.00
100,000 lb (45,359.2 kg)	17850	\$1,095.00
150,000 lb (68,039.0 kg)	29012	\$1,095.00
200,000-250,000 lb (90,718.5-113,398.4 kg)	26068	\$2,095.00
3-Module Kit		
5000 lb (2268.0 kg)	18163	\$2,875.00
10,000 lb (4535.9 kg)	18164	\$2,875.00
20,000 lb (9071.9 kg)	18165	\$2,875.00
30,000 lb (13,607.8 kg)	32164	\$4,545.00
40,000 lb (18,143.7 kg)	32167	\$4,545.00
50,000 lb (22,679.6 kg)	18166	\$4,695.00
60,000 lb (27,215.5 kg)	18167	\$4,695.00
100,000 lb (45,359.2 kg)	18168	\$7,395.00
150,000 lb (68,040 kg)	43290	\$7,395.00
4-Module Kit		
5000 lb (2268.0 kg)	18169	\$3,735.00
10,000 lb (4535.9 kg)	18170	\$3,735.00
20,000 lb (9071.9 kg)	18171	\$3,735.00
30,000 lb (13,607.8 kg)	32165	\$5,765.00
40,000 lb (18,143.7 kg)	32166	\$5,765.00
50,000 lb (22,679.6 kg)	18172	\$5,935.00
60,000 lb (27,215.5 kg)	18173	\$5,935.00
100,000 lb (45,359.2 kg)	18174	\$9,665.00
150,000 lb (68,040 kg)	43291	\$9,665.00

RTI EZ MOUNT 1 MILD STEEL ORDER INFORMATION		
Load Rating (Per Module)	Part #	Suggested List Price
3-Module Kit		
5000 lb (2268.0 kg)	18175	\$2,975.00
10,000 lb (4535.9 kg)	18176	\$2,975.00
20,000 lb (9071.9 kg)	18177	\$2,975.00
30,000 lb (13,607.8 kg)	32169	\$4,645.00
40,000 lb (18,143.7 kg)	32171	\$4,645.00
50,000 lb (22,679.6 kg)	18178	\$4,795.00
60,000 lb (27,215.5 kg)	18179	\$4,795.00
100,000 lb (45,359.2 kg)	18180	\$7,495.00
150,000 lb (68,039.0 kg)	18181	\$7,495.00
4-Module Kit		
5000 lb (2268.0 kg)	18182	\$3,835.00
10,000 lb (4535.9 kg)	18183	\$3,835.00
20,000 lb (9071.9 kg)	18184	\$3,835.00
30,000 lb (13,607.8 kg)	32170	\$5,865.00
40,000 lb (18,143.7 kg)	32172	\$5,865.00
50,000 lb (22,679.6 kg)	18185	\$6,035.00
60,000 lb (27,215.5 kg)	18186	\$6,035.00
100,000 lb (45,359.2 kg)	18187	\$9,765.00
150,000 lb (68,039.0 kg)	18188	\$9,765.00
Dummy Load Cells		
5000-20,000 lb (2268.0-9071.9 kg)	33749	\$75.00
30,000-60,000 lb (13,607.8-27,215.5 kg)	74016	\$95.00

Weigh Modules

Weigh Modules • Tank and Hopper Kits

EZ Mount 1 Stainless Steel, Rice Lake Weighing Systems



Available in configurations with three or four mounting assemblies.

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

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

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

Load Cell Certifications:



Module with RL70000 SS double-ended shear beam load cell. Refer to page 133 for load cell specifications.



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

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

OPTIONAL FEATURES:

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

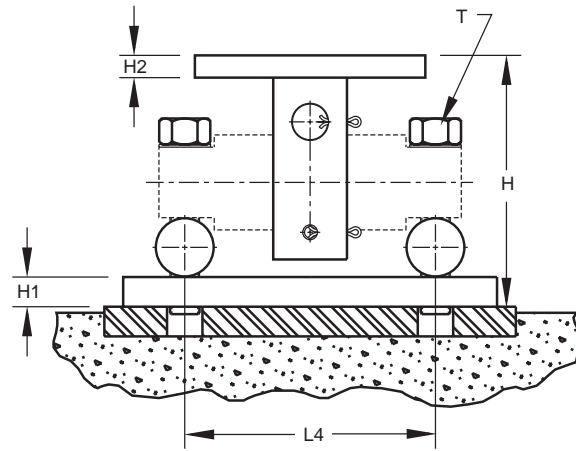
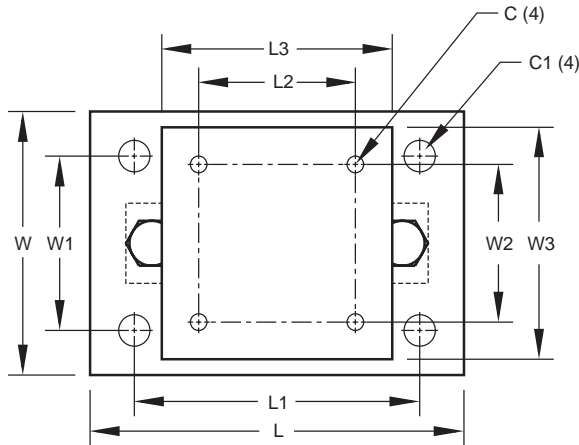
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Stainless Steel EZ Mount 1 Specifications

**Complete Kit!
Compare
& Save!**



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

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

EZ MOUNT 1 STAINLESS STEEL ORDER INFORMATION

Load Rating (per module)	Part #	Suggested List Price
Single Module (Does NOT Include Load Cell)		
5000-20,000 lb (2268.0-9071.9 kg)	17943	\$650.00
30,000-60,000 lb (13,607.8-27,215.5 kg)	17944	\$1,895.00
100,000 lb (45,359.2 kg)	17945	\$3,495.00
150,000 lb (68,039.0 kg)	29011	\$3,495.00
3-Module Kit		
5000 lb (2268.0 kg)	36195	\$4,250.00
10,000 lb (4535.9 kg)	36196	\$4,250.00
20,000 lb (9071.9 kg)	36197	\$4,250.00
30,000 lb (13,607.8 kg)	36198	\$8,100.00
40,000 lb (18,143.7 kg)	36199	\$8,100.00
50,000 lb (22,679.6 kg)	36200	\$8,250.00
60,000 lb (27,215.5 kg)	36201	\$8,250.00
100,000 lb (45,359.2 kg)	36202	\$13,150.00
150,000 lb (68,039.0 kg)	43288	\$13,350.00

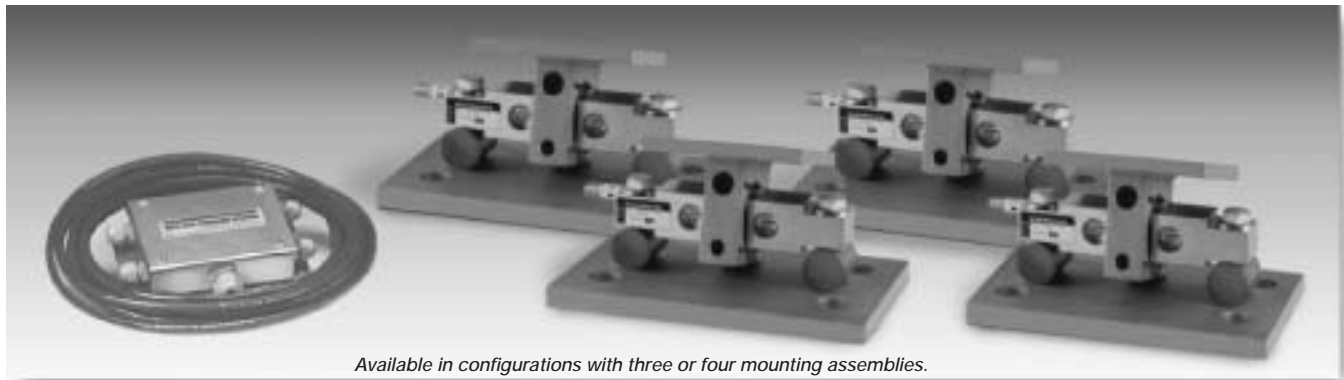
EZ MOUNT 1 STAINLESS STEEL ORDER INFORMATION

Load Rating (per module)	Part #	Suggested List Price
4-Module Kit		
5000 lb (2268.0 kg)	36203	\$5,600.00
10,000 lb (4535.9 kg)	36204	\$5,600.00
20,000 lb (9071.9 kg)	36205	\$5,600.00
30,000 lb (13,607.8 kg)	36206	\$11,075.00
40,000 lb (18,143.7 kg)	36207	\$11,075.00
50,000 lb (22,679.6 kg)	36208	\$11,350.00
60,000 lb (27,215.5 kg)	36209	\$11,350.00
100,000 lb (45,359.2 kg)	36210	\$17,450.00
150,000 lb (68,039.0 kg)	43289	\$17,450.00
Dummy Load Cells		
5000-20,000 lb (2268.0-9071.9 kg)	33749	\$75.00
30,000-60,000 lb (13,607.8-27,215.5 kg)	74016	\$95.00

Weigh Modules • Tank and Hopper Kits

EZ Mount 1 HE

Stainless Steel, Hermetically-sealed, Rice Lake Weighing Systems



Available in configurations with three or four mounting assemblies.

Weigh Modules

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

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

The RL71000 HE Series load cells give you accuracy and dependability in any environment.

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

Complete Kit Includes:

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

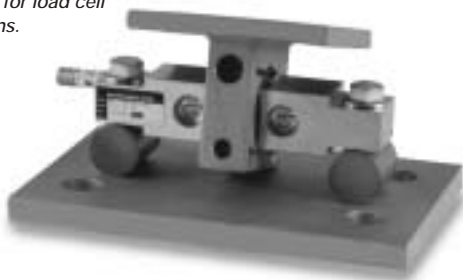
Load Cell Certifications:



Consult factory for FM instrumentation assistance



Module with RL71000 HE double-ended shear beam load cell. Refer to page 134 for load cell specifications.



APPLICATIONS:

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

STANDARD FEATURES:

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

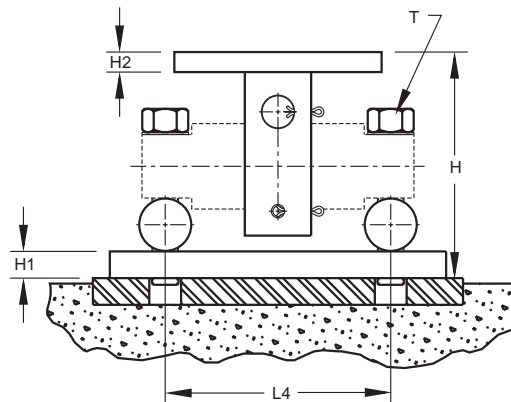
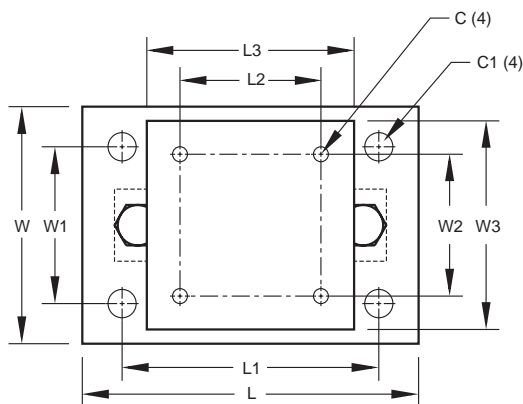
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Stainless Steel, Hermetically-sealed, EZ Mount 1 HE Specifications

**Complete Kit!
Compare
& Save!**



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

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

EZ HE MOUNT 1 STAINLESS STEEL ORDER INFORMATION

Load Rating (Per Module)	Part #	Suggested List Price
3-Module Kit		
5000 lb (2268.0 kg)	46695.....	\$4,370.00
10,000 lb (4535.9 kg)	46696.....	\$4,370.00
20,000 lb (9071.9 kg)	46697.....	\$4,370.00
30,000 lb (13,607.8 kg)	46698.....	\$8,320.00
40,000 lb (18,143.7 kg)	46699.....	\$8,320.00
50,000 lb (22,679.6 kg)	46700.....	\$8,385.00
60,000 lb (27,215.5 kg)	46701.....	\$8,385.00
4-Module Kit		
5000 lb (2268.0 kg)	46702.....	\$5,795.00
10,000 lb (4535.9 kg)	46703.....	\$5,795.00
20,000 lb (9071.9 kg)	46704.....	\$5,795.00
30,000 lb (13,607.8 kg)	46705.....	\$11,295.00
40,000 lb (18,143.7 kg)	46706.....	\$11,295.00
50,000 lb (22,679.6 kg)	46707.....	\$11,415.00
60,000 lb (27,215.5 kg)	46708.....	\$11,415.00
Dummy Load Cells		
5000-20,000 lb		
(2268.0-9071.9 kg)	33749.....	\$75.00
30,000-60,000 lb		
(13,607.8-27,215.5 kg)	74016.....	\$95.00

Weigh Modules • Tank and Hopper Kits

RL1600 Series

Cast Iron, Rice Lake Weighing Systems/Vishay Sensortronics



Available in configurations with three or four mounting assemblies.

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

Load Cell Certifications:



Cast iron module with RL75016 double-ended beam load cell. Refer to page 135 for load cell specifications.



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

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

OPTIONAL FEATURES:

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

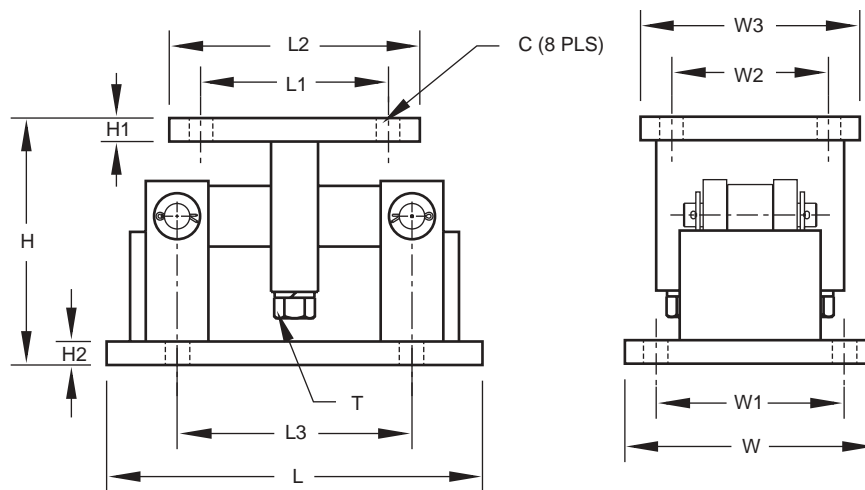
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Cast Iron RL1600 Series Specifications

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

RL1600 ORDER INFORMATION

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

VISHAY SENSORTRONICS 65016 ORDER INFORMATION

Load Rating (Per Module)	Part #	Suggested List Price
3-Module Kit		
1000 lb (453.6 kg)	25685	\$2,350.00
1500 lb (680.4 kg)	25686	\$2,350.00
2500 lb (1134.0 kg)	25688	\$2,350.00
5000 lb (2268.0 kg)	25690	\$2,350.00
10,000 lb (4535.9 kg)	25691	\$2,950.00
15,000 lb (6803.9 kg)	25692	\$2,950.00
20,000 lb (9071.9 kg)	25693	\$2,950.00
25,000 lb (11,339.8 kg)	25694	\$2,950.00
4-Module Kit		
1000 lb (453.6 kg)	25695	\$3,050.00
1500 lb (680.4 kg)	25696	\$3,050.00
2500 lb (1134.0 kg)	25698	\$3,050.00
5000 lb (2268.0 kg)	25700	\$3,050.00
10,000 lb (4535.9 kg)	25701	\$3,875.00
15,000 lb (6803.9 kg)	25702	\$3,875.00
20,000 lb (9071.9 kg)	25703	\$3,875.00
25,000 lb (11,339.8 kg)	25704	\$3,875.00
Dummy Load Cells		
1000-5000 lb (453.6-2268.0 kg)	18236	\$20.00
10,000-25,000 lb (4535.9-11,339.8 kg)	18237	\$35.00
Equalizer Pads		
1000 lb - 5000 lb	67152	\$35.00
10,000 lb - 25,000 lb	67153	\$50.00

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Weigh Modules • Tank and Hopper Kits

RL1600 Series Mild Steel, Rice Lake Weighing Systems/Vishay Sensortronics



Available in configurations with three or four mounting assemblies.

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

Load Cell Certifications:



Mild steel module with RL75016 double-ended beam load cell. Refer to page 135 for load cell specifications.



Complete Kit Includes:

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

APPLICATIONS:

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

STANDARD FEATURES:

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

OPTIONAL FEATURES:

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

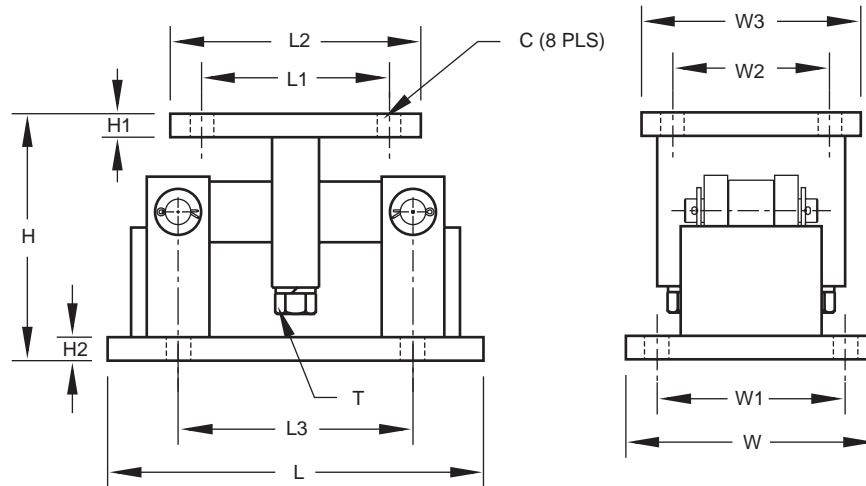
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Mild Steel RL1600 Series Specifications

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

RL1600 ORDER INFORMATION

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

VISHAY SENSORTRONICS 65016 ORDER INFORMATION

Load Rating (Per Module)	Part #	Suggested List Price
3-Module Kit		
1000 lb (453.6 kg)	18189	\$2,350.00
1500 lb (680.4 kg)	18190	\$2,350.00
2500 lb (1134.0 kg)	18192	\$2,350.00
5000 lb (2268.0 kg)	18194	\$2,350.00
10,000 lb (4535.9 kg)	18195	\$2,950.00
15,000 lb (6803.9 kg)	18196	\$2,950.00
20,000 lb (9071.9 kg)	18197	\$2,950.00
25,000 lb (11,339.8 kg)	18198	\$2,950.00
50,000 lb (22,679.6 kg)	18199	\$5,795.00
75,000 lb (34,019.5 kg)	25350	\$5,795.00
4-Module Kit		
1000 lb (453.6 kg)	18201	\$3,050.00
1500 lb (680.4 kg)	18202	\$3,050.00
2500 lb (1134.0 kg)	18204	\$3,050.00
5000 lb (2268.0 kg)	18206	\$3,050.00
10,000 lb (4535.9 kg)	18207	\$3,875.00
15,000 lb (6803.9 kg)	18208	\$3,875.00
20,000 lb (9071.9 kg)	18209	\$3,875.00
25,000 lb (11,339.8 kg)	18210	\$3,875.00
50,000 lb (22,679.6 kg)	18211	\$7,595.00
75,000 lb (34,019.5 kg)	25351	\$7,595.00
Dummy Load Cells		
1000-5000 lb (453.6-2268.0 kg)	18236	\$20.00
10,000-25,000 lb (4535.9-11,339.8 kg)	18237	\$35.00
50,000 lb-75,000 lb (22,679.6 kg-34,020 kg)	18238	\$50.00
Equalizer Pads		
1000 lb-5000 lb	67152	\$35.00
10,000 lb-25,000 lb	67153	\$50.00

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Weigh Modules • Tank and Hopper Kits

RL1600 Series

Stainless Steel, Rice Lake Weighing Systems/Vishay Sensortronics



Available in configurations with three or four mounting assemblies.

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

Complete Kit Includes:

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

Load Cell Certifications:



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



APPLICATIONS:

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

STANDARD FEATURES:

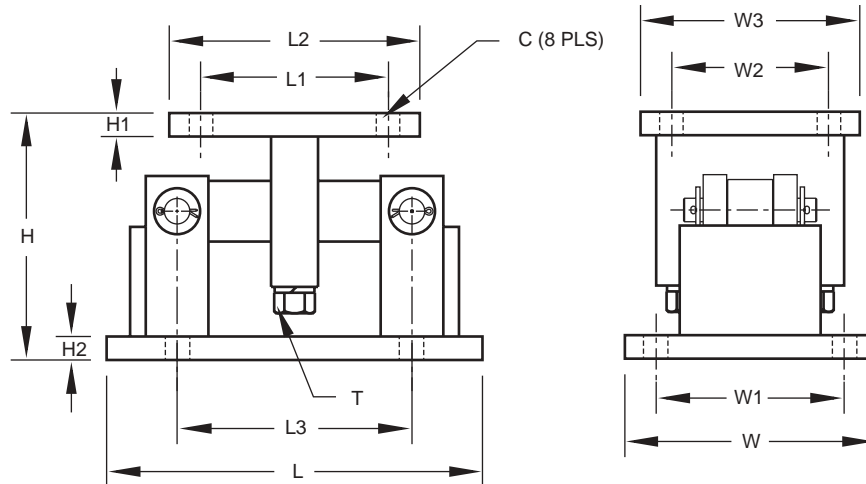
- Capacities (per module): 1000-75,000 lb (453.6-34,019.5 kg)
- 304 stainless steel construction
- Self-checking easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Environmentally protected load cells
- Double-ended shear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

OPTIONAL FEATURES:

- Kits available with Vishay Sensortronics 65016W SS load cells

304 Stainless Steel RL1600 Series Specifications

**Complete Kit!
Compare
& Save!**



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

RL1600 ORDER INFORMATION

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

VISHAY SENSORTRONICS 65016SS ORDER INFORMATION

Load Rating (Per Module)	Part #	Suggested List Price
3-Module Kit		
1000 lb (453.6 kg)	18213	\$3,425.00
1500 lb (680.4 kg)	18214	\$3,425.00
2500 lb (1134.0 kg)	18216	\$3,425.00
5000 lb (2268.0 kg)	18217	\$3,425.00
10,000 lb (4535.9 kg)	18218	\$5,095.00
15,000 lb (6803.9 kg)	18219	\$5,095.00
20,000 lb (9071.9 kg)	18220	\$5,095.00
25,000 lb (11,339.8 kg)	18221	\$5,095.00
50,000 lb (22,679.6 kg)	18222	\$10,250.00
75,000 lb (34,019.5 kg)	25354	\$10,250.00
4-Module Kit		
1000 lb (453.6 kg)	18224	\$4,550.00
1500 lb (680.4 kg)	18225	\$4,550.00
2500 lb (1134.0 kg)	18227	\$4,550.00
5000 lb (2268.0 kg)	18228	\$4,550.00
10,000 lb (4535.9 kg)	18229	\$6,775.00
15,000 lb (6803.9 kg)	18230	\$6,775.00
20,000 lb (9071.9 kg)	18231	\$6,775.00
25,000 lb (11,339.8 kg)	18232	\$6,775.00
50,000 lb (22,679.6 kg)	18233	\$13,695.00
75,000 lb (34,019.5 kg)	25355	\$13,695.00
Dummy Load Cells		
1000-5000 lb (453.6-2268.0 kg)	18236	\$20.00
10,000-25,000 lb (4535.9-11,339.8 kg)	18237	\$35.00
50,000 lb-75,000 lb (22,679.6 kg-34,020 kg)	18238	\$50.00
Equalizer Pads		
1000 lb-5000 lb	67152	\$35.00
10,000 lb-25,000 lb	67153	\$50.00

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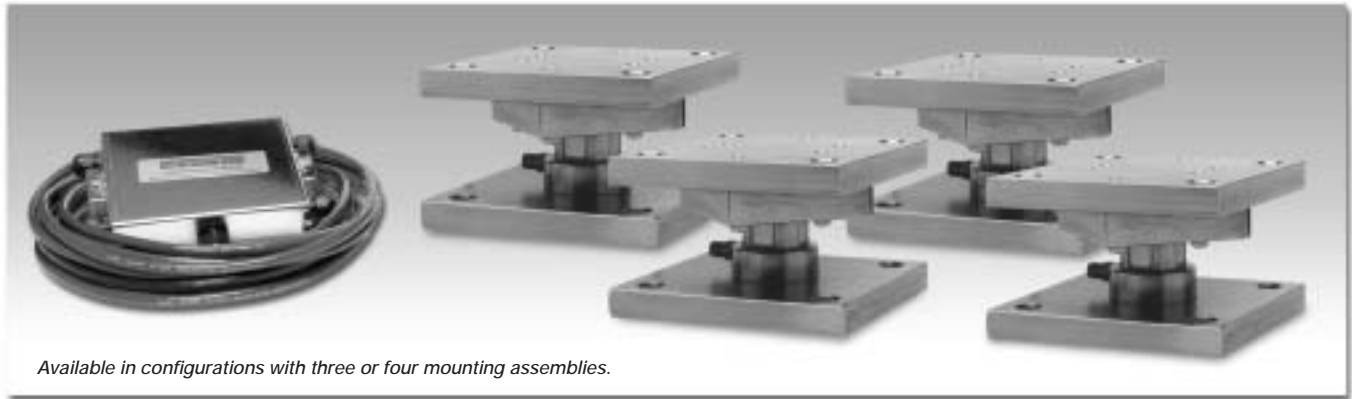
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Weigh Modules • Tank and Hopper Kits

65092 TWA

Heavy-Capacity Tank Weighing Assembly, Vishay Sensortronics



Available in configurations with three or four mounting assemblies.

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



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



Complete Kit Includes:

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

APPLICATIONS:

- Tank, bin and silo weighing
- Bulk inventory management

STANDARD FEATURES:

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

OPTIONAL FEATURES:

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

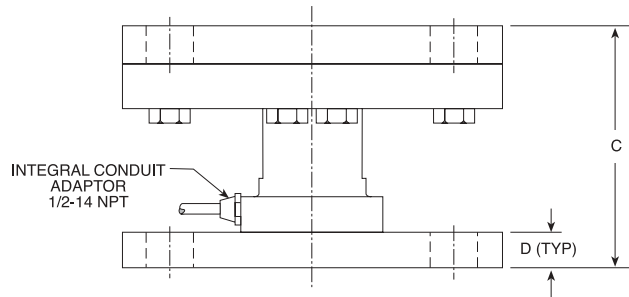
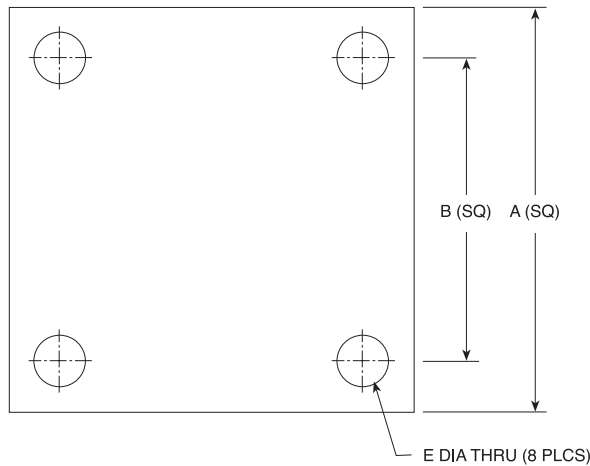
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65092 TWA Specifications

**Complete Kit!
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RATED CAPACITY	DIMENSIONS				
	A	B	C	D	E
lb/inches					
50,000	8.00	6.00	5.13	0.94	0.78
100,000	10.00	7.50	7.38	1.19	1.12
200,000	12.00	8.50	9.50	1.44	1.63
300,000	14.00	9.50	11.00	1.94	1.63
500,000	17.00	12.00	12.63	2.44	2.13
kg/mm					
22,679.6	203.2	152.4	130.3	23.9	19.8
45,359.4	254.0	190.5	187.5	30.2	28.4
90,718.7	304.8	215.9	241.3	36.6	41.4
136,078.1	355.6	241.3	279.4	49.3	41.4
226,796.9	431.8	304.8	320.8	62.0	54.1

LOAD CELL SPECIFICATIONS:

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

65092 TWA ORDER INFORMATION

Load Rating (Per Module)	Part #	Suggested List Price
Single Module (Includes Load Cell)		
50,000 lb (22,679.6 kg)	29866	\$1,525.00
100,000 lb (45,359.4 kg)	29867	\$2,595.00
200,000 lb (90,718.7 kg)	29868	\$4,025.00
300,000 lb (136,078.1 kg)	29869	\$4,650.00
500,000 lb (226,796.9 kg)	29870	\$5,925.00
3-Module Kit		
50,000 lb (22,679.6 kg)	29857	\$4,775.00
100,000 lb (45,359.4 kg)	29858	\$7,985.00
200,000 lb (90,718.7 kg)	29859	\$12,275.00
300,000 lb (136,078.1 kg)	29860	\$14,150.00
500,000 lb (226,796.9 kg)	29861	\$17,995.00

65092 TWA ORDER INFORMATION

Load Rating (Per Module)	Part #	Suggested List Price
4-Module Kit		
50,000 lb (22,679.6 kg)	29852	\$6,300.00
100,000 lb (45,359.4 kg)	29853	\$10,580.00
200,000 lb (90,718.7 kg)	29854	\$16,300.00
300,000 lb (136,078.1 kg)	29855	\$18,800.00
500,000 lb (226,796.9 kg)	29856	\$23,995.00

65092 TWA REPLACEMENT LOAD CELL ORDER INFORMATION

Load Rating (Per Module)	Part #	Suggested List Price
50,000 lb (22,679.6 kg)	29862	\$855.00
100,000 lb (45,359.4 kg)	29863	\$1,030.00
200,000 lb (90,718.7 kg)	29864	\$1,395.00
300,000 lb (136,078.1 kg)	N/A	Consult factory
500,000 lb (226,796.9 kg)	N/A	Consult factory

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Weigh Modules

MVS Mount MVS Conversion Kit



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

Complete Kit Includes:

- 4 to 10 RL75058-75,000 lb load cells with 35' or 60' cables
- 4 to 10 MVS mounts
- JB 818ST junction box (JB 1010 on 10 module kit)
- 100' of our Hostile Environment EL147HE SURVIVOR® load cell cable

Load Cell Certifications:



APPLICATIONS:

- Truck/Track scale conversion
- Heavy-capacity horizontal tanks

STANDARD FEATURES:

- Capacity Design: 10,000-125,000 lb (4536.0-34,019.4 kg)
- Mild steel construction
- Specially hardened center link
- Self-checking design
- Self-centering design
- Accommodates thermal expansion and contraction

OPTIONAL FEATURES:

- Rice Lake Weighing Systems RL75058, Vishay Sensortronics 65058, or Vishay Celtron CLB
- Rice Lake 75060S or Vishay Sensortronics 65058 S stainless steel welded-seal NTEP-certified load cells

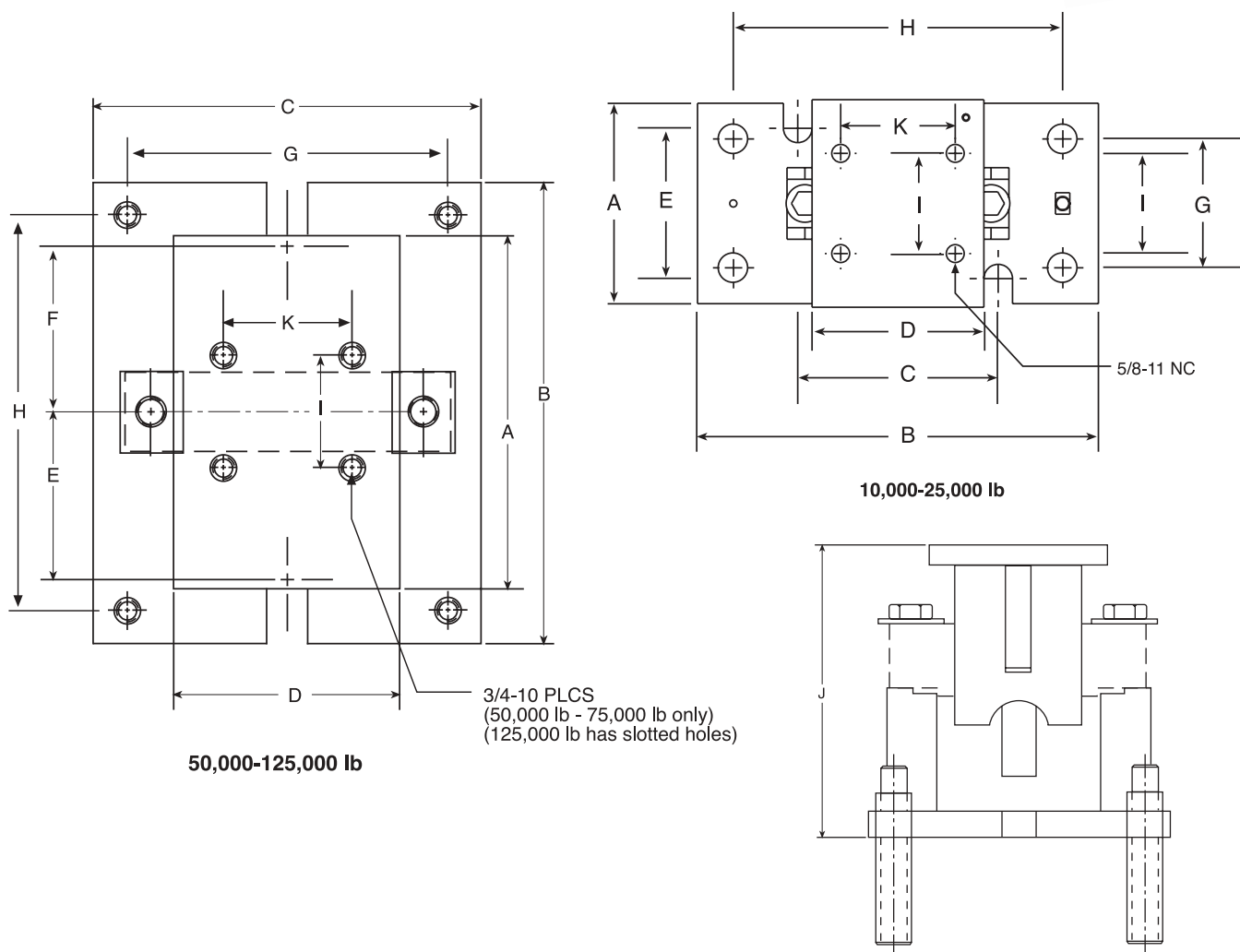
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MVS Conversion Kit Specifications

**Complete Kit!
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& Save!**



Weigh Modules

RATED CAPACITY	DIMENSIONS										
	A	B	C	D	E	F	G	H	I	J	K
lb/inches											
10,000-25,000	7.00	14.00	7.00	6.00	5.25	—	4.50	11.50	3.50	8.50	4.00
50,000-75,000	11.00	14.25	12.00	7.00	5.50	5.50	7.25	12.25	3.50	11.53	4.00
100,000-125,000	12.50	14.75	17.25	9.00	6.38	6.38	14.25	11.25	5.00	14.21	4.00
kg/mm											
4536-11,340	177.8	355.6	177.8	152.4	133.3	—	114.3	292.1	88.9	215.9	101.6
22,679.6-34,019.4	279.4	362.0	304.8	177.8	139.7	139.7	184.2	387.4	88.9	292.9	101.6
45,360-56,700	317.50	374.7	438.2	228.6	162.0	162.0	362.0	285.8	127.0	360.9	101.6

MVS ORDER INFORMATION

Load Rating	Part #	Suggested List Price
MVS Mount (Does NOT Include Load Cell)		
10,000 lb-25,000 lb (4536-11,340 kg)	71200	\$485.00
50,000 lb-75,000 lb (22,679.6-34,019.4 kg)	46441	\$585.00
100,000 lb-125,000 lb (45,360 kg-56,700.0 kg)	68520	\$1,095.00

Custom heights available; consult factory

* Consult factory for other capacity requirements

MVS ORDER INFORMATION

Load Rating	Part #	Suggested List Price
MVS Conversion Kits (Includes 75,000 lb* Load Cells, Mounts, & J-Box)		
4-module kit	68495	\$6,295.00
6-module kit	68496	\$9,975.00
8-module kit	68497	\$12,995.00
10-module kit	68498	\$16,195.00

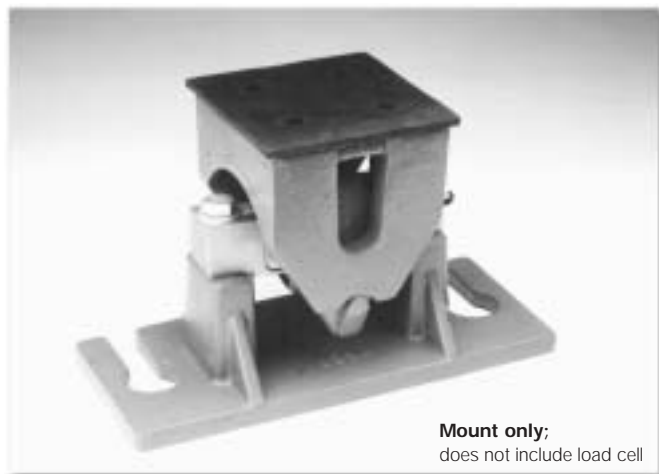
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Weigh Modules

TSA Truck Scale Assembly, Vishay Sensortronics



APPLICATIONS:

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

STANDARD FEATURES:

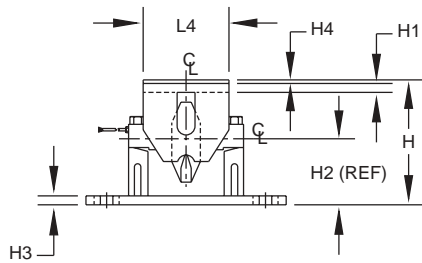
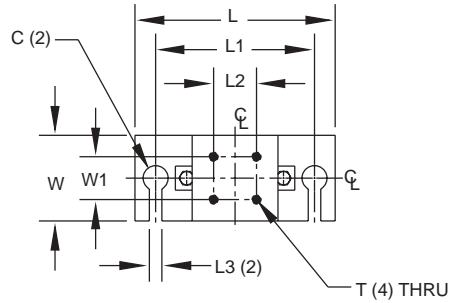
- Capacities: 10,000-75,000 lb (4535.9-34,019.4 kg)
- Constructed of cast steel and iron with primer coating
- Unique high-performance "Unilink" suspension system
- Center-loaded double-ended shear beam design
- Self-checking design
- Rubber pad provided for mounting

OPTIONAL FEATURES:

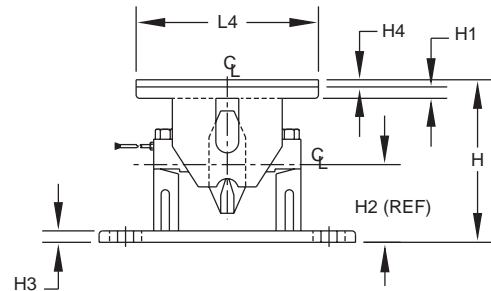
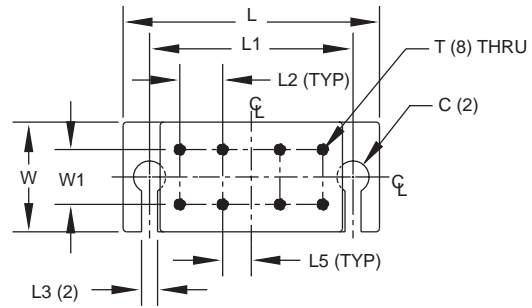
- 20,000-75,000 lb (9071.9-34,019.4 kg) capacity NTEP-certified load cells available for 1:10,000d, Class IIII

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





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



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

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

TSA ORDER INFORMATION

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

* Mount only; does not include load cell

See page 314 for Vishay Sensortronics load cell model 65058 specifications

See page 138 for Rice Lake Weighing Systems load cell model RL75058 specifications

See page 139 for welded-seal RL75060S cell

Weigh Modules

RL8000 HE

Stainless Steel, Hermetically Sealed, Rice Lake



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

APPLICATIONS:

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

STANDARD FEATURES:

- Capacities from 250-5,000 lb (113.4-2268 kg)
- Stainless steel
- Hermetically sealed
- Low profile
- 300% compression overload protection
- Easy installation
- Field-replaceable, stainless overbraid cable
- IP66/68

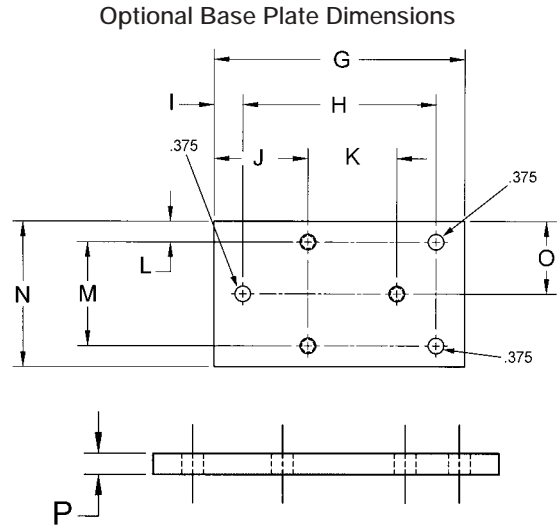
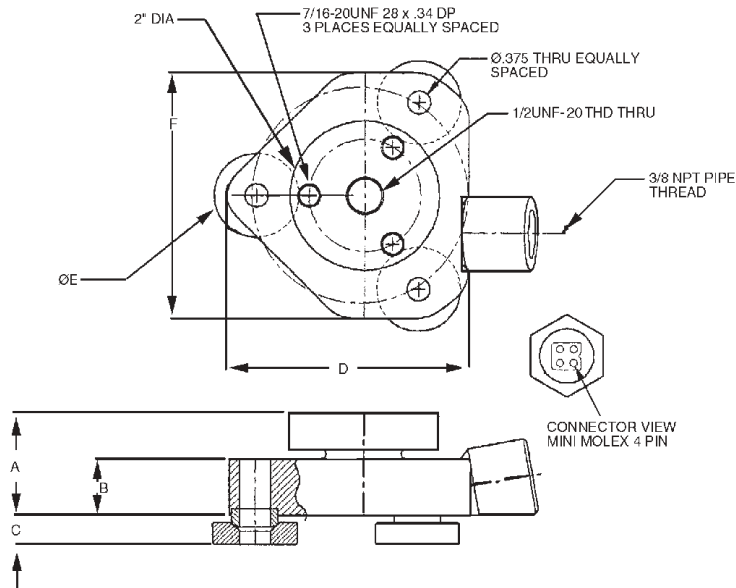
Load Cell Certifications:



Consult factory for
FM instrumentation
assistance

RL8000 HE Specifications

Ultra Low Profile!



RATED CAPACITY	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
lb/inches																
250-5000	1.38	.75	.40	3.22	1.13	3.28	6.00	4.63	.69	2.25	2.12	.50	2.50	3.50	1.75	.36
kg/mm																
113.4-2268.0	35.1	19.1	10.2	81.8	28.7	83.3	152.4	117.6	17.5	57.2	53.9	12.7	63.5	88.9	44.5	9.3

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 1000 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
Safe Sideload: 200% Full scale
Rated Excitation: 6-15V DC
Nonlinearity: 0.03% Full scale

Hysteresis: 0.03% Full scale
Insulation Resistance: 1000 megohms
Seal Type: Hermetically-sealed, IP66/68
Cable Length: 25'/7.6 m stainless steel overbraid
Cable Color Code: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
Warranty: 2-year limited warranty

RL8000 HE ORDER INFORMATION

Load Rating	Part #	Suggested List Price
250 lb (113.4 kg)	53353.....	\$795.00
500 lb (226.8 kg)	53354.....	\$795.00
1000 lb (453.6 kg)	53355.....	\$795.00
2500 lb (1134.0 kg)	53356.....	\$795.00
5000 lb (2268.0 kg)	53357.....	\$795.00
Replacement Cable	63121.....	\$125.00
Replacement Foot	65980.....	\$35.00
Optional base plate.....	68817.....	\$45.00

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Weigh Modules

RL8000 KM

Stainless Steel, Hermetically-Sealed, Rice Lake



The RL8000KM is the latest addition to the RL8000 series of innovative products that incorporate the load cell and mount into the same piece of hardware. The KM version includes a standard mounting plate and with optional top plate, allows for quick and easy retrofits of Kistler Morse load disc applications. It's manufactured from stainless steel, and is hermetically sealed to prevent moisture intrusion. The result is an extremely rugged, low-profile assembly that is capable of operating with a high degree of accuracy in the worst of conditions. The standard cable length for this assembly is 25', although the cable can be requested in varying lengths and is field replaceable. Available in capacities from 250 lb through 10,000 lb.

APPLICATIONS:

- For use in harsh washdown areas
- Vessel weighing, batching and inventory control

STANDARD FEATURES:

- Capacities from 250-5,000 lb (113.4-2268 kg)
- Stainless steel
- Hermetically sealed
- Low profile
- 300% compression overload protection
- Easy installation
- Field-replaceable, stainless overbraid cable
- IP66/68

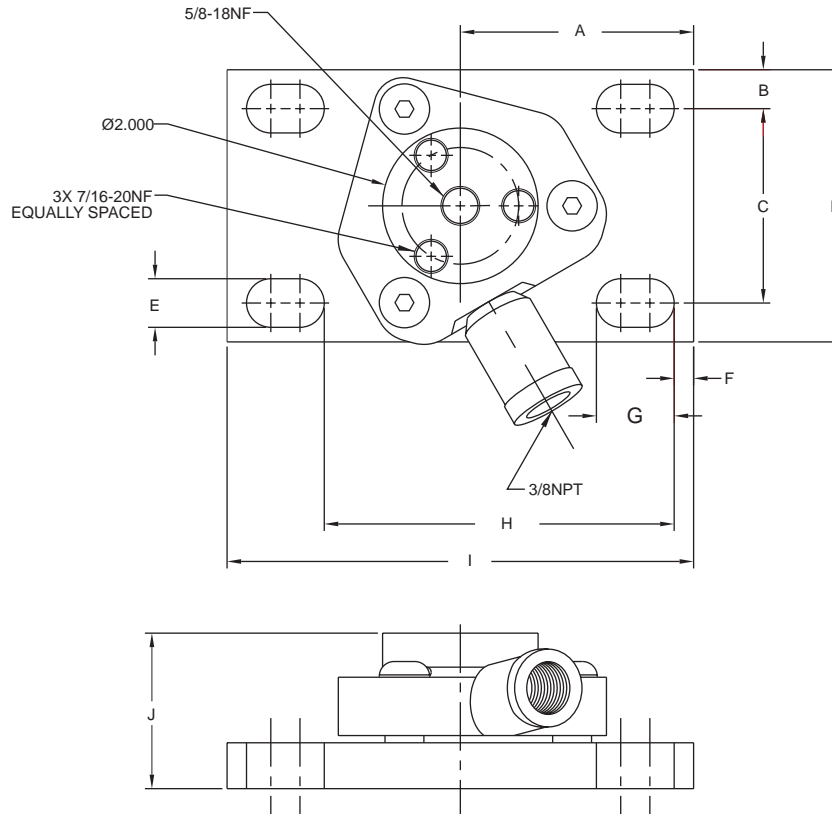
Load Cell Certifications:



Consult factory for
FM instrumentation
assistance



RL8000 KM Specifications



RATED CAPACITY	DIMENSIONS									
	A	B	C	D	E	F	G	H	I	J
lb/inches										
250-10,000 lb	3.00	2X .50	2X 2.50	3.50	4X .625	2X .25	4X 1.00	2X 4.50	6.00	2.00
kg/mm										
113.4-254,000.0	76.2	2X 12.7	2X 63.5	88.9	4X 15.8	2X 6.3	4X 25.4	2X 114.3	152.4	50.8

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Hysteresis:	0.03% Full scale
Bridge Resistance:	1050 ohms, nominal with voltage applied	Insulation Resistance:	1000 megohms
Material/Finish:	Stainless steel	Seal Type:	Hermetically-sealed
Temperature:	Compensated range -0°F to 150°F/-17°C to 65°C	Cable Length:	25'/7.6 m stainless steel overbraid
Safe Overload:	300%* Full scale	Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Safe Sideload:	200% Full scale	Warranty:	2-year limited warranty
Rated Excitation:	6-15V DC		
Nonlinearity:	0.03% Full scale		

* 200% on 10,000 lb unit only

RL8000 KM ORDER INFORMATION

Load Rating	Part #	Suggested List Price
250 lb (113.4 kg)	69420.....	\$895.00
500 lb (226.8 kg)	69421.....	\$895.00
1000 lb (453.6 kg)	69422.....	\$895.00
2500 lb (1134.0 kg)	69423.....	\$895.00
5000 lb (2268.0 kg)	69424.....	\$895.00
10,000 lb (4536.0 kg)	69425.....	\$895.00
Top Plate	72727	\$130.00
Replacement Cable	63121	\$125.00

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Weigh Modules

TRANSLINK™

Parallel Link Truck Scale Assembly, Rice Lake Weighing Systems



Mount only;
does not include load cell

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

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

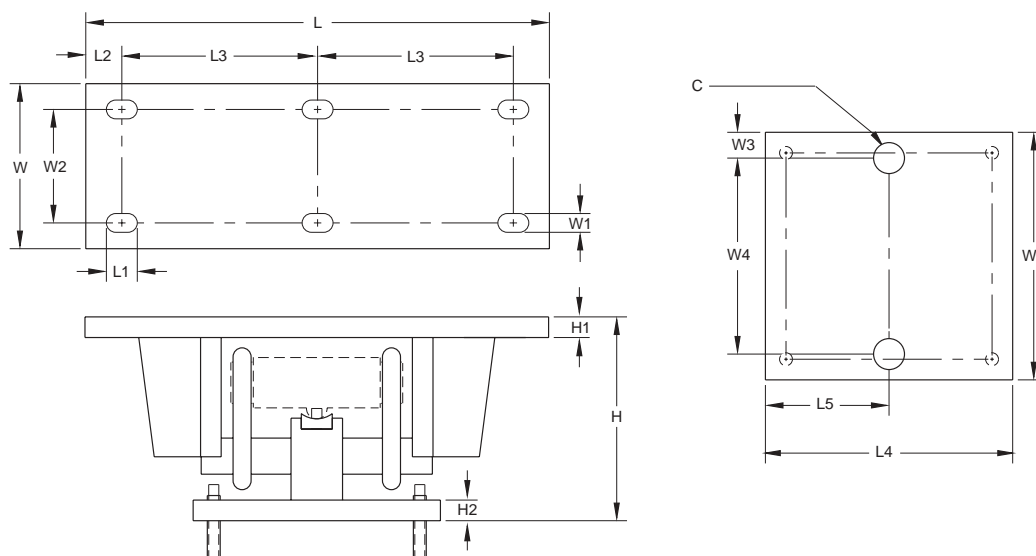
APPLICATIONS:

- Truck scale mount
- Heavy-capacity horizontal tanks

STANDARD FEATURES:

- Capacities: 25,000-100,000 lb (11,339.8-45,359.4 kg)
- Center-supported, end-loaded double-ended shear beam design
- Free movement in all directions in the horizontal plane with virtually no friction
- Links provide optimal loading conditions for the cell
- Completely self-centering
- Requires no check rods
- Utilizes cells with 3 mV/V output
- Models available for RLWS RL75223 and RL75040, RTI 5223 and Vishay Sensortronics 65040A load cells





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

TRANSLINK ORDER INFORMATION

Load Rating	Part #	Suggested List Price
For use with RL75223, 5223 Load Cells		
50,000-100,000 lb (22,679.6-45,359.4 kg)	17970	\$550.00
For use with RL75040A, 65040A Load Cells		
25,000-40,000 lb (11,339.8-18,143.7 kg)	17971	\$550.00
50,000-75,000 lb (22,679.6-34,019.4 kg)	17972	\$550.00

* Mount only; does not include load cell

See page 140 for load cell model RL75223 (RLWS), page 141 for load cell model RL75040 (RLWS), page 264 for load cell model 5223 (RTI) and page 317 for model 65040A (Vishay Sensortronics) specifications

Weigh Modules

Motor Truck Scale Electronic Conversion Kit Rice Lake Weighing Systems



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

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

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

STANDARD FEATURES:

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

Complete Kit Includes:

- 1 IQ plus 310A or IQ plus 800 digital weight indicator
- 1 TM-295 ticket printer with interface cable
- 1 JB-808S NEMA 4X signal-trim junction box with individual and section trimming capability (6- and 8-mount kits) or 1 EL211A NEMA 4X signal-trim junction box (4-mount kits)
- 1 UJB3T6 DC transient protector
- 4, 6 or 8 Translink mounting assemblies with RL75040 or RL75223 load cells
- 100' of Hostile Environment EL147HE SURVIVOR® load cell cable



APPLICATIONS:

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

OPTIONAL FEATURES:

- Custom heights available; consult factory
- RLWS RL75223 welded-seal, Vishay Sensortronics 65040A or RTI 5223 load cells; consult factory
- Available without printer and indicator

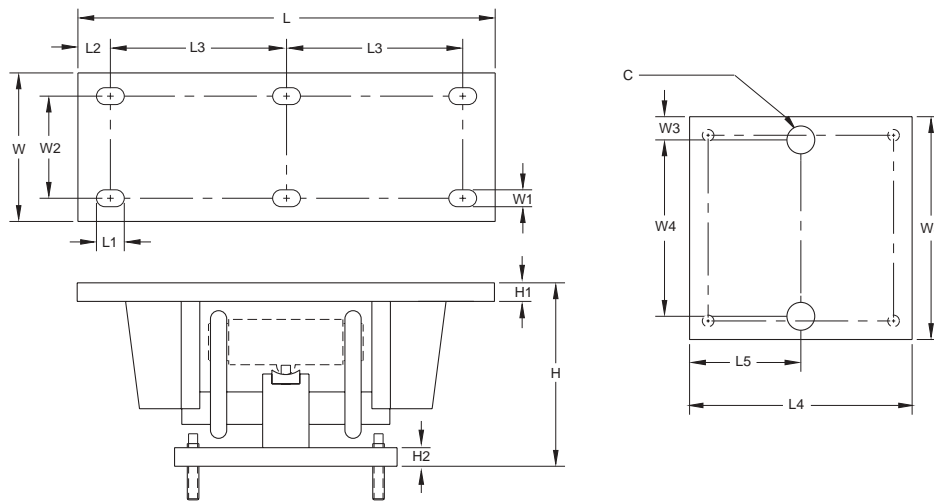
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MTS Conversion Kit Specifications

**Complete Kit!
Compare
& Save!**



RATED CAPACITY

DIMENSIONS

	C	H*	H1	H2	L	L1	L2	L3	L4	L5	W	W1	W2	W3	W4**	W5
lb/inches																
50,000-100,000 (RL75223)	1.50	12.93	1.00	1.00	22.50	1.50	1.75	9.50	11.75	5.88	7.75	.91	5.25	1.25	9.25	11.75
25,000-40,000 (RL75040A)	1.50	9.88	1.00	1.00	18.50	1.50	1.75	7.50	11.75	5.88	7.75	.91	5.25	1.25	9.25	11.75
50,000-75,000 (RL75040A)	1.50	12.82	1.00	1.00	22.50	1.50	1.75	9.50	11.75	5.88	7.75	.91	5.25	1.25	9.25	11.75

kg/mm

22,679.6-45,400.00 (RL75223)	38.1	328.4	25.4	25.4	571.5	37.5	44.5	241.3	298.5	149.4	196.9	23.1	133.4	31.8	235.0	298.45
11,339.8-18,143.7 (RL75040A)	38.1	251.0	25.4	25.4	469.9	37.5	44.5	190.5	298.5	149.4	196.9	23.1	133.4	31.8	235.0	298.45
22,679.6-34,019.4 (RL75040A)	38.1	325.6	25.4	25.4	571.5	37.5	44.5	241.3	298.5	149.4	196.9	23.1	133.4	31.8	235.0	298.45

* Custom heights available; consult factory

** Custom hole spacing for existing bolt patterns is available; consult factory

MTS COMPLETE KIT ORDER INFORMATION

Scale Capacity	Capacity Per Weigh Module	Part #	Suggested List Price
4-Module Kit (Includes Weigh Modules, IQ plus® 310A and TM-U295)			
40,000 lb (18,143.7 kg)	25,000 lb (11,339.8 kg)	30519	\$6,595.00
60,000 lb (27,215.6 kg)	40,000 lb (18,143.7 kg)	30521	\$6,995.00
6-Module Kit (Includes Weigh Modules, IQ plus® 310A and TM-U295)			
100,000 lb (45,359.4 kg)	50,000 lb (22,679.6 kg)	30523	\$10,595.00
120,000 lb (54,431.2 kg)	60,000 lb (27,215.6 kg)	30525	\$10,595.00
8-Module Kit (Includes Weigh Modules, IQ plus® 310A and TM-U295)			
120,000 lb (54,431.2 kg)	60,000 lb (27,215.6 kg)	30527	\$13,395.00
200,000 lb (90,718.7 kg)	75,000 lb (34,019.4 kg)	30529	\$13,395.00
4-Module Kit (Includes Weigh Modules, IQ plus® 800 and TM-U295)			
60,000 lb (27,215.6 kg)	40,000 lb (18,143.7 kg)	30520	\$7,595.00
6-Module Kit (Includes Weigh Modules, IQ plus® 800 and TM-U295)			
100,000 lb (45,359.4 kg)	50,000 lb (22,679.6 kg)	30522	\$10,995.00
120,000 lb (54,431.2 kg)	60,000 lb (27,215.6 kg)	30524	\$10,995.00
8-Module Kit (Includes Weigh Modules, IQ plus® 800 and TM-U295)			
120,000 lb (54,431.2 kg)	60,000 lb (27,215.6 kg)	30526	\$13,895.00
200,000 lb (90,718.7 kg)	75,000 lb (34,019.4 kg)	30528	\$13,895.00

MTS WEIGH MODULES ORDER INFORMATION

Scale Capacity	Capacity Per Weigh Module	Part #	Suggested List Price
4-Module Kit (Includes Weigh Modules Load Cells, J-Box, and Transient Protection)			
40,000 lb (18,143.7 kg)	25,000 lb (11,339.8 kg)	30513	\$5,295.00
60,000 lb (27,215.6 kg)	40,000 lb (18,143.7 kg)	30514	\$5,795.00
6-Module Kit (Includes Weigh Modules Load Cells, J-Box, and Transient Protection)			
100,000 lb (45,359.4 kg)	50,000 lb (22,679.6 kg)	30515	\$9,245.00
120,000 lb (54,431.2 kg)	60,000 lb (27,215.6 kg)	30516	\$9,245.00
8-Module Kit (Includes Weigh Modules Load Cells, J-Box, and Transient Protection)			
120,000 lb (54,431.2 kg)	60,000 lb (27,215.6 kg)	30517	\$11,995.00
200,000 lb (90,718.7 kg)	75,000 lb (34,019.4 kg)	30518	\$11,995.00
300,000 lb SD (136,078.1 kg) ...	100,000 lb (45,359.4 kg)	30512	\$14,695.00

SD refers to super duty, 100,000 lb (45,359.4 kg) capacity welded-seal load cells

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Weigh Modules

MagnaMount®

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



APPLICATIONS:

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

STANDARD FEATURES:

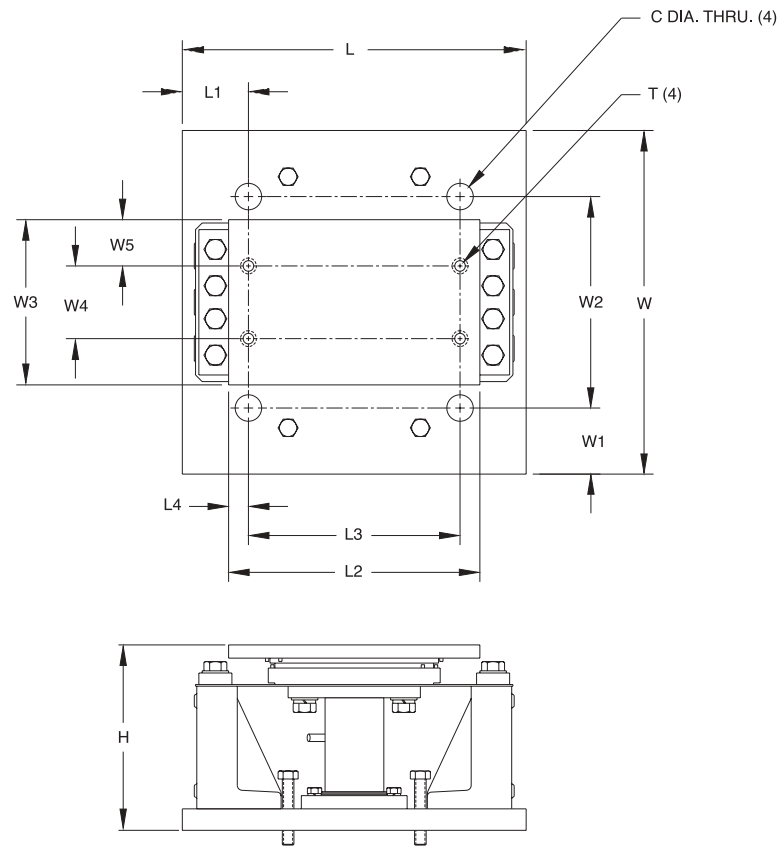
- Capacities: 50,000, 100,000 and 200,000 lb (22,679.6, 45,359.4 and 90,718.7 kg)
- Protects load cell from shock and side loads
- Low-profile design
- High-strength load bearing plate made of high-grade carbon steel hardened to Rockwell C 48-54
- Teflon®-coated shock absorbers
- Compatible with Revere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

* Check rods required

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



MagnaMount® Specifications



RATED CAPACITY	DIMENSIONS													
	C	H	L	L1	L2	L3	L4	T	W	W1	W2	W3	W4	W5
lb/inches														
50,000	1.25	7.39	13.00	1.75	11.25	8.50	1.37	3/4-10 UNC	12.00	1.75	8.50	8.00	4.50	1.75
100,000	1.50	11.29	20.00	2.50	18.00	15.50	1.25	7/8-9 UNC	17.00	2.50	12.00	9.00	5.50	1.75
200,000	2.00	14.10	26.00	5.00	19.00	16.00	1.50	1-8 UNC	26.00	5.00	16.00	12.50	5.50	3.50
kg/mm														
22,679.6	31.8	187.7	330.2	44.5	285.8	241.3	34.8	3/4-10 UNC	304.8	44.5	215.9	203.2	114.3	44.5
45,359.4	38.1	286.8	508.0	63.5	457.2	393.7	31.8	7/8-9 UNC	431.8	63.5	304.8	228.6	139.7	44.5
90,718.7	50.8	358.1	660.4	127.0	482.6	406.4	38.1	1-8 UNC	660.4	127.0	406.4	317.5	139.7	88.9

MAGNAMOUNT ORDER INFORMATION

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

* Mount only; does not include load cell

See page 267 for Revere Transducer's load cell model CP, and page 268 for NTEP-certified load cell model CSP specifications

See page 142 for Rice Lake Weighing Systems' NTEP-certified load cell model RLCSP1

Weigh Modules

Electronic Floor Scale Underdeck Kits

Industrial Applications, Alloy Steel Load Cells

Kit Includes

- (4) Vishay Celtron SQB load cells
- (1) 4-channel signal trim junction box
- (4) SUREFOOT high-accuracy stainless steel support feet
- 20'6.1 m EL147HE load cell cable
- (4) Mounting plates & (8) Load cell bolts



Complete Kits!

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

Kit Includes

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

NOTES:

- For complete load cell specifications, see RL30000 on page 104.
- The use of NTEP-certified load cells in a scale base does not constitute approval of the completed base. Consult with local or state jurisdiction for compliance requirements.



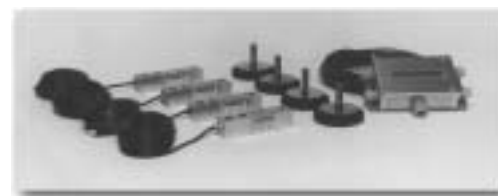
Chemical, Dry Corrosive & Non-washdown Applications, Stainless Steel Load Cells

Kit Includes

- (4) Vishay Celtron SQB-HSS stainless steel load cells
- (1) EL604STA stainless steel NEMA 4X junction box
- (4) SUREFOOT high-accuracy stainless steel support feet
- 20'6.1 m EL147HE load cell cable
- (4) Mounting plates & (8) Load cell bolts

NOTES:

- For complete load cell specifications, see SQB-HSS on page 182.



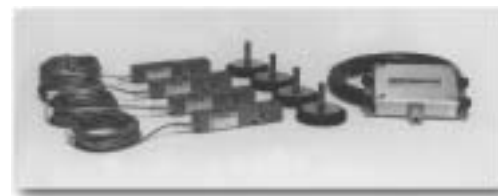
Wet Corrosive Applications, Welded Seal Stainless Steel Load Cells

Kit Includes

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

NOTES:

- For complete load cell specifications, see RL35083 on page 111.



UNDERDECK KITS ORDER INFORMATION

	Load Cell/ Base Capacity	Part #	Suggested List Price
Kit Includes Vishay Celtron SQB Load Cells			
1000 lb for 2000 lb base	(453.6 kg for 907.2 kg base)	26436	\$895.00
2500 lb for 5000 lb base	(1134.0 kg for 2268.0 kg base)	26437	\$895.00
4000 lb for 10,000 lb base	(1814.4 kg for 4535.9 kg base)	26438	\$895.00
Kit Includes RL30000 Alloy Steel NTEP-certified Load Cells			
1000 lb for 2000 lb base	(453.6 kg for 907.2 kg base)	19032	\$975.00
2500 lb for 5000 lb base	(1134.0 kg for 2268.0 kg base)	19033	\$975.00
4000 lb for 10,000 lb base	(1814.4 kg for 4535.9 kg base)	19034	\$975.00
Kit Includes Vishay Celtron SQB-HSS Stainless Steel Load Cells			
1000 lb for 2000 lb base	(453.6 kg for 907.2 kg base)	19035	\$1,275.00
2500 lb for 5000 lb base	(1134.0 kg for 2268.0 kg base)	19036	\$1,275.00
4000 lb for 10,000 lb base	(1814.4 kg for 4535.9 kg base)	19037	\$1,275.00
Kit Includes RL35083 Welded-Seal Load Cells			
1000 lb for 2000 lb base	(453.6 kg for 907.2 kg base)	19038	\$1,595.00
2500 lb for 5000 lb base	(1134.0 kg for 2268.0 kg base)	19039	\$1,595.00
4000 lb for 10,000 lb base	(1814.4 kg for 4535.9 kg base)	19040	\$1,595.00

Reduced Prices!

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

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)

RL75000SS, 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 RL75000SS 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'/4.5 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'/4.5 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

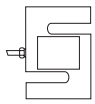


This unit is a washer force sensor that is designed to measure the pressure put upon a bolt. The bolt size range of this product is from a #10 to 1". Each sensor is thermally-compensated to assure high accuracy for multiple applications. Some popular applications for this product are fastener testing 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.



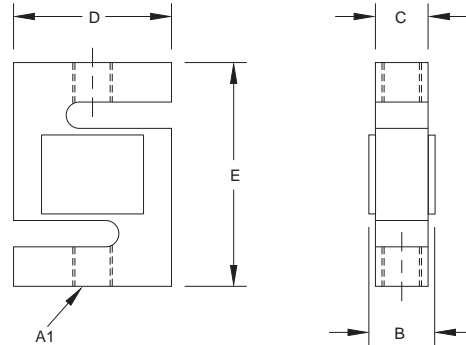
RL20000 S-Beam, Alloy Steel

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
lb/inches					
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
kg/mm					
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

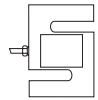
* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Artech	20210

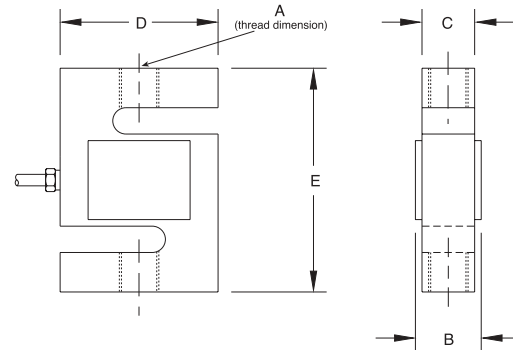
WEIGH MODULE AVAILABLE

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
lb/inches					
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
kg/mm					
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
RL20000SS NTEP		
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
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

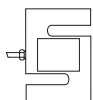
* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit

INTERCHANGEABLE PRODUCTS

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

WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	354

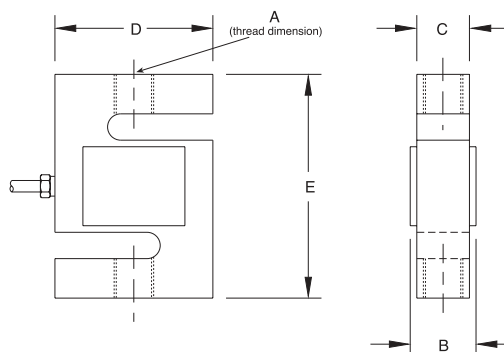


Revised 6/12/03

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
lb/inches					
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
kg/mm					
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)

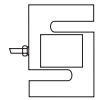
3/8-24 Nipple	31533*	\$25.00
3/8-24 to 1/4-18 NPT	31534*	\$25.00

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

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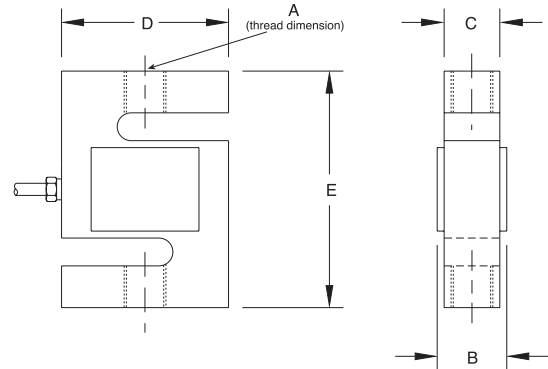
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RL20001 S-Beam, Alloy Steel

NTEP 1:10,000 III L S, IP67



RATED CAPACITY	A1	B	C	D	E
lb/inches					
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
kg/mm					
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

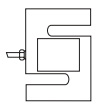
*Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit

INTERCHANGEABLE PRODUCTS

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

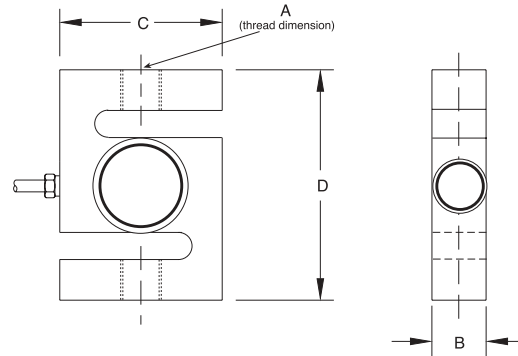
WEIGH MODULE AVAILABLE

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	DIMENSIONS			
	A	B	C	D
lb/inches				
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
kg/mm				
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	Hysteresis:	0.02% Full scale
Bridge Resistance:	350 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	Stainless steel	Seal Type:	Welded-seal, IP67
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Length:	20'/6.1 m
Safe Overload:	150% Full scale	Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Rated Excitation:	10V DC (15V maximum)	Warranty:	2-year limited warranty
Nonlinearity:	0.03% Full scale		

RL20001 HE ORDER INFORMATION

Load Rating	Part #	Suggested List Price
RL20001HE NTEP		
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

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

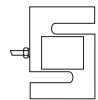
* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit

INTERCHANGEABLE PRODUCTS

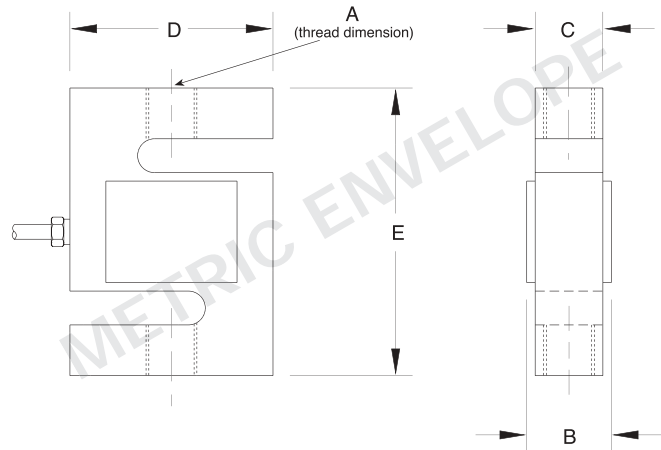
Manufacturer	Model
Vishay Sensortronics	(see page 291) 60063

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
kg/mm					
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
lb/inches					
551.2-2205.0	M12 x 1.75-6H	1.00	.75	2.00	3.00
5512.5	M20 x 1.5-6H	1.25	1.00	3.00	4.25

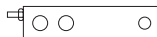
SPECIFICATIONS:

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

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

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

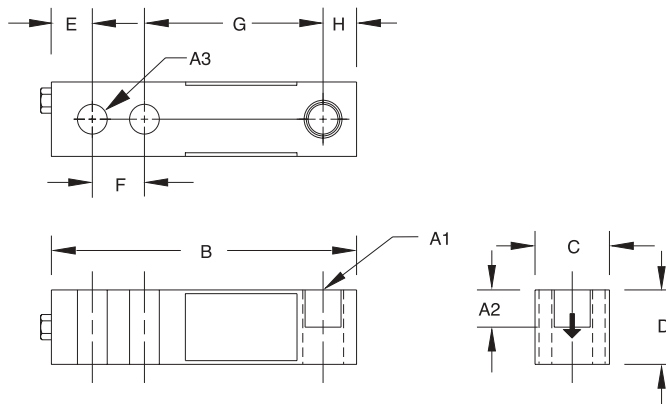


RL30000 Single-Ended Beam, Alloy Steel

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
lb/inches										
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
kg/mm										
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
RL30000 NTEP, Threaded-Hole Design		
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

RL30000 Non-NTEP, Threaded-Hole Design

**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

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

** Not FM approved

SE refers to small envelope

LE refers to large envelope

RL30002 (THRU HOLE) ORDER INFORMATION

Load Rating	Part #	Suggested List Price
RL30002 NTEP, Thru-Hole Design		
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

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

INTERCHANGEABLE PRODUCTS

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

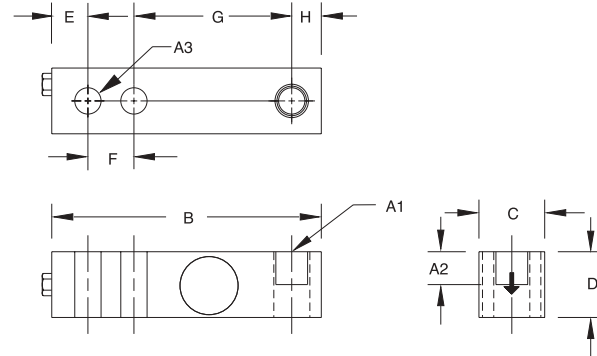
WEIGH MODULE AVAILABLE

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	DIMENSIONS									
	A1	A2	A3	B	C	D	E	F	G	H
lb/inches										
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
kg/mm										
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

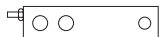
Conduit adapter, 1/4-18 NPT 66544 \$35.00

SE refers to small envelope

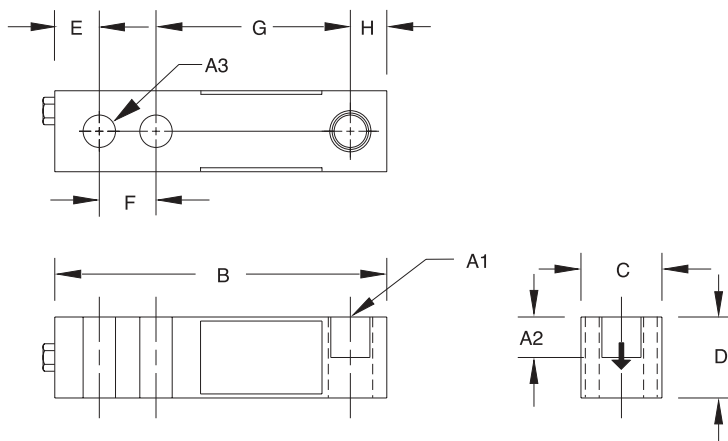
LE refers to large envelope

WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	32
RL1800 Series	40



RL39123 Single-Ended Beam, Stainless Steel


RATED CAPACITY

lb/inches
250-4000
5000-10,000
15,000

	A1	A2	A3	B	C	D	E	F	G	H
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

kg/mm

113.4-1814.4
2268.0-4535.9
6803.9

	A1	A2	A3	B	C	D	E	F	G	H
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
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range
0°F to 150°F/-18°C to 65°C
Seal Type: Environmentally-sealed
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: 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
Cable Length: 20'/6.1 m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Warranty: 2-year limited warranty

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

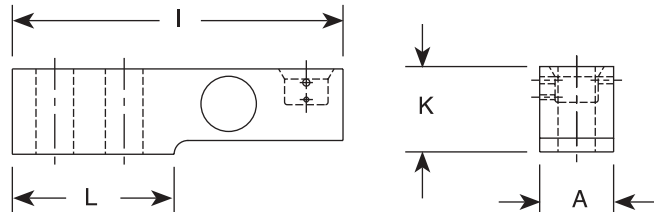
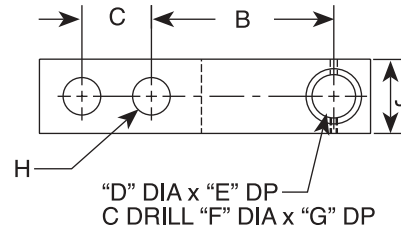
WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	30



RL30745 Single-Ended Beam, Stainless Steel

Welded-seal, IP67



RATED CAPACITY	A	B	C	D	DIMENSIONS		E	F	G	H	I	J	K	L
lb/inches														
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		
kg/mm														
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

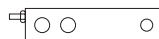
Insulation Resistance: 5000 megohms
Seal Type: Welded-seal, IP67
Cable Length: 15'/4.5 m
 20'/6.1 m (1000 & 4000 lb)
Cable Color Code: Green.....+ Excitation
 Black.....- Excitation
 White.....+ Signal
 Red.....- Signal
 Yellow..... Shield
Warranty: 2-year limited warranty

RL30745 ORDER INFORMATION

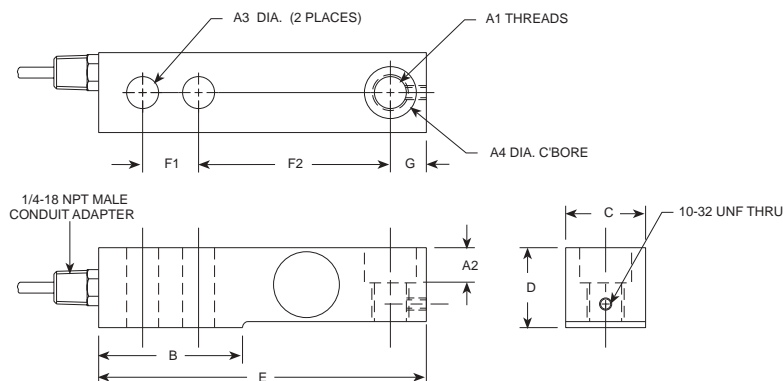
Load Rating	Part #	Suggested List Price
500 lb (226.8 kg)	76213.....	\$450.00
1,000 lb (453.6 kg)	45462.....	\$450.00
1,250 lb (567.0 kg)	47946.....	\$450.00
2,500 lb (1,134 kg)	45463.....	\$450.00
4,000 lb (1,814.4 kg)	45464.....	\$450.00
5,000 lb (2,268 kg)	45465.....	\$575.00
10,000 lb (4,536 kg)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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Mettler-Toledo®	745 Mount



RLBLC Single-Ended Beam, Stainless Steel with Counter Bore



RATED CAPACITY	DIMENSIONS										
	A1	A2	A3	A4	B	C	D	E	F1	F2	G
lb/inches											
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
kg/mm											
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:

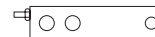
Full Scale Output:	3.0 mV/V nominal	Hysteresis:	0.05% Full scale
Bridge Resistance:	1000 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	Stainless steel	Deflection at Capacity:	1000-4000 lb = .010"/.25 mm, 5000-10,000 lb = .012"/.30 mm
Temperature:	Compensated range 15°F to 115°F/-9°C 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
Bushing (for conversion to non-counter base)		
1000 lb - 4000 lb, SST	17691	\$8.00

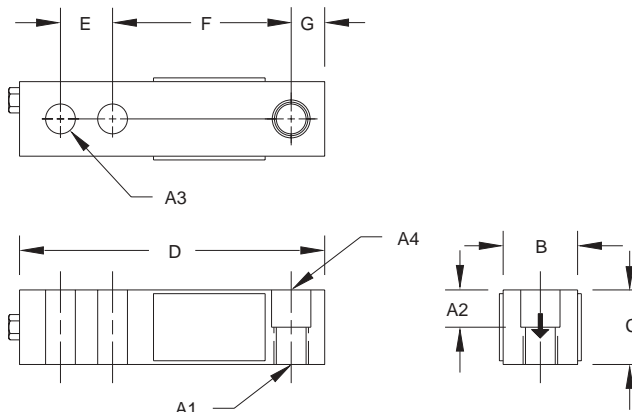
INTERCHANGEABLE PRODUCTS

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
lb/inches											
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	
kg/mm											
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	13.5	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
Non-NTEP		
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
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

INTERCHANGEABLE PRODUCTS

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

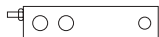
WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	30
RL1800 Series	40

SE refers to small envelope

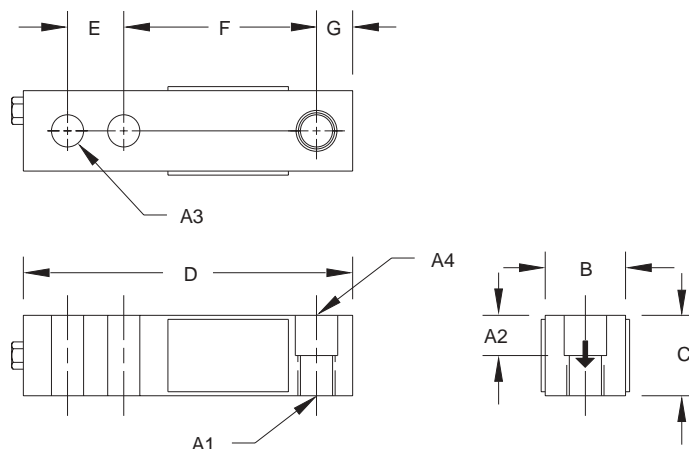
LE refers to large envelope

* 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	DIMENSIONS			D	E	F	G
lb/inches										
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
kg/mm										
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
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

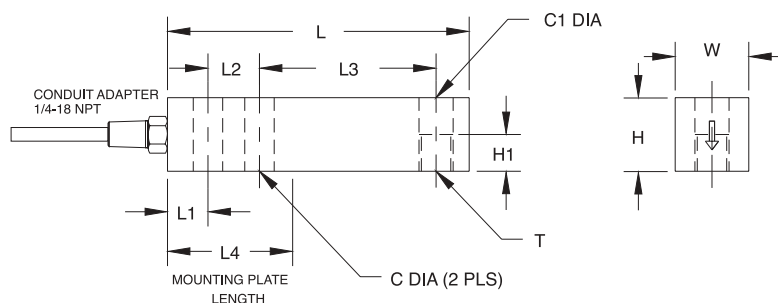
* Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit

INTERCHANGEABLE PRODUCTS

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

WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	30
RL1800 Series	40



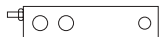
RATED CAPACITY	DIMENSIONS										
	C	C1	H	H1	L	L1	L2	L3	L4	T	W
lb/inches											
1000-4000	.53	.53	1.22	.61	5.12	.62	1.00	3.00	2.25	1/2-20 UNF-2B	1.22
5000-10,000	.78	.78	1.50	.75	6.75	.75	1.50	3.75	3.00	3/4-16 UNF-2B	1.50
kg/mm											
453.6-1814.4	13.5	13.5	31.0	15.5	130.0	15.7	25.4	76.2	57.2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

Full Scale Output:	3.0 mV/V	Deflection at Capacity:	1000 lb = .013"/.33 mm, 2500 lb = .015"/.38 mm,
Bridge Resistance:	350 ohms, nominal		4000-5000 lb = .025"/.64 mm,
Material/Finish:	Stainless steel		10,000 lb = .032"/.81 mm
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	Cable Length:	20'/6.1 m Teflon coated cable
Rated Excitation:	10V DC (15V maximum)	Conduit Adapter Size:	1/4-18 NPT
Combined Error:	0.03% Full scale	Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Non-Repeatability:	0.01% Full scale	Warranty:	2-year limited warranty
Insulation Resistance:	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

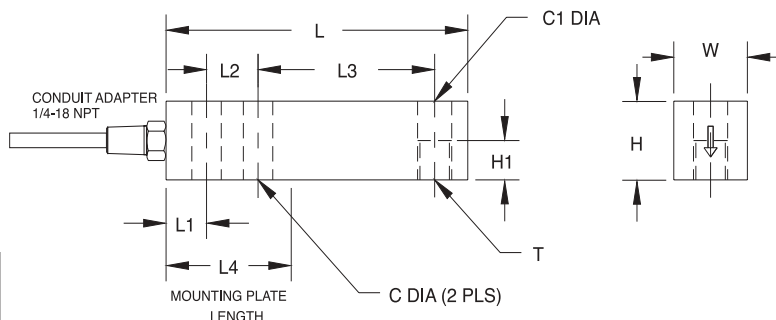
Manufacturer	Model
Vishay Sensortronics	(see page 298) 65083
Vishay Celtron	(see page 182) SQB-HSS

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



RL35082 Single-Ended Beam, Stainless Steel

Welded-seal, IP67, IP66/68**, NTEP 1:5000 Class III Multiple Cell



RATED CAPACITY	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

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)
Combined Error:	0.02% Full scale
Non-Repeatability:	0.01% Full scale
Insulation Resistance:	5000 megohms

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

RL35082 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
IP67		
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
IP66/68**		
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

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

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

INTERCHANGEABLE PRODUCTS

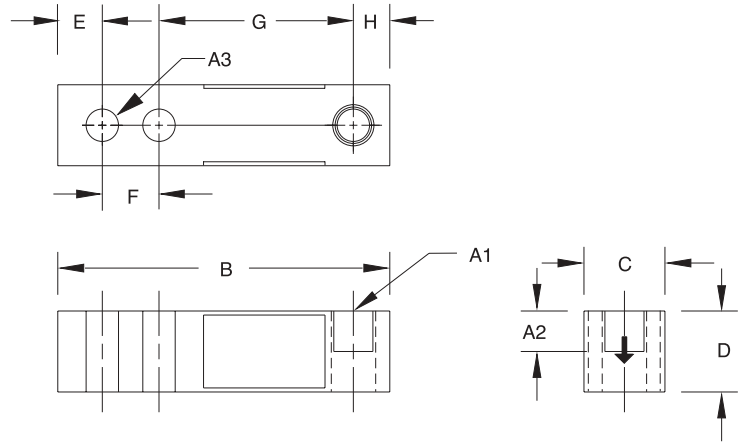
Manufacturer	Model
Vishay Sensortronics	(see page 299) 65083 S
Vishay TedeA-Huntleigh	(see page 326) 3510-lbs

WEIGH MODULE AVAILABLE

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:

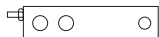
Full Scale Output:	3.0 mV/V	Nonlinearity:	0.01% Full scale
Bridge Resistance:	350 ohms, nominal	Hysteresis:	0.01% Full scale
Material/Finish:	High-alloy steel, nickel plated	Insulation Resistance:	5000 megohms
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Cable Length:	20'/6.1 m
Seal Type:	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

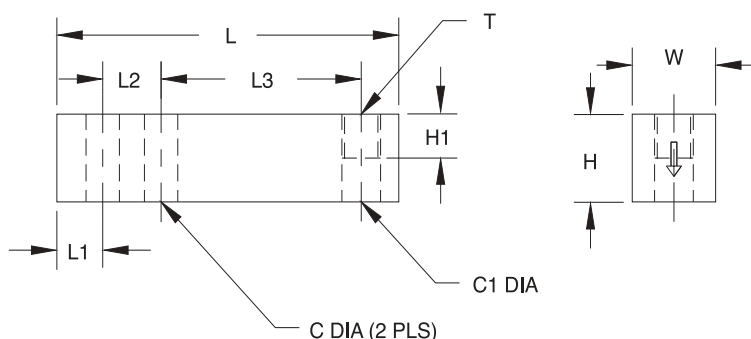
INTERCHANGEABLE PRODUCTS

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
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

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

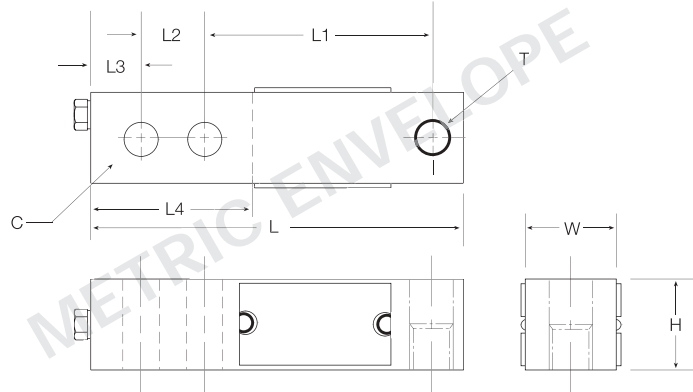
INTERCHANGEABLE PRODUCTS

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



RLETB Single-Ended Beam, Alloy Steel

OIML C3, IP67



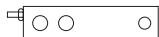
RATED CAPACITY	DIMENSIONS								
	C	H	L	L1	L2	L3	L4	W	T
kg/mm									
500-2000	57.0	32.0	130.0	76.0	25.0	16.0	13.0	32.0	M12 x 1.75-6H
5000	76.0	38.0	171.0	95.0	38.0	19.0	20.7	38.0	M20 x 1.5-6H
lb/inches									
1102.3-4409.2	2.25	1.25	5.12	3.00	.98	.63	.51	1.25	M12 x 1.75-6H
11,023.1	3.00	1.50	6.73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

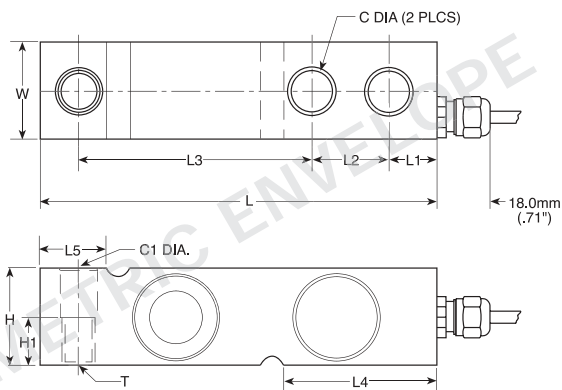
RLETB ORDER INFORMATION

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
kg/mm												
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
lb/inches												
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	Deflection at Capacity:	500-5000 kg = .4 mm/.015"
Bridge Resistance:	350 ohms, nominal	Seal Type:	Hermetically-sealed, IP66/68
Material/Finish:	Stainless steel	Cable Length:	5 m/16.4'
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Color Code:	Blue + Excitation Black..... - Excitation Green..... + Sense Grey..... - Sense White + Signal Red - Signal
Safe Overload:	150% Full scale	Warranty:	2-year limited warranty
Rated Excitation:	10V AC/DC (15V maximum)		
Total Error:	0.02% Applied Load		
Insulation Resistance:	1000 megohms		

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

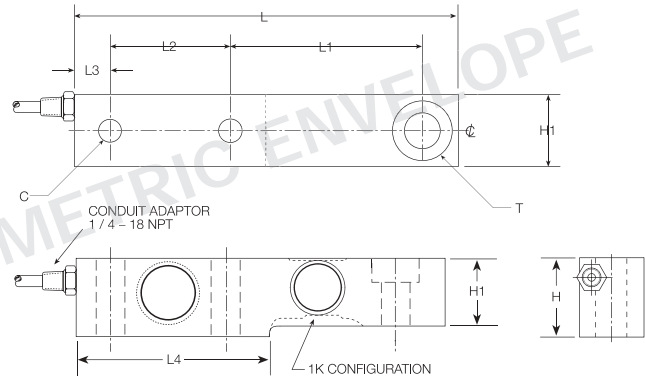
WEIGH MODULE AVAILABLE

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			
kg/mm									
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
lb/inches									
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

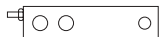
SPECIFICATIONS:

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

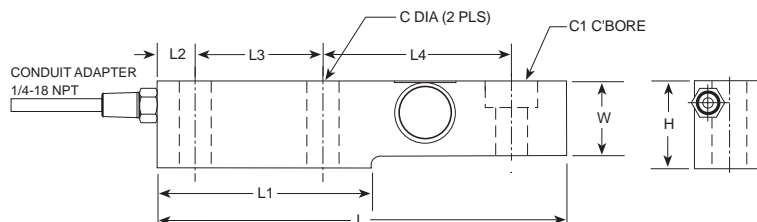
RLHSS ORDER INFORMATION

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	
lb/inches										
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
kg/mm										
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

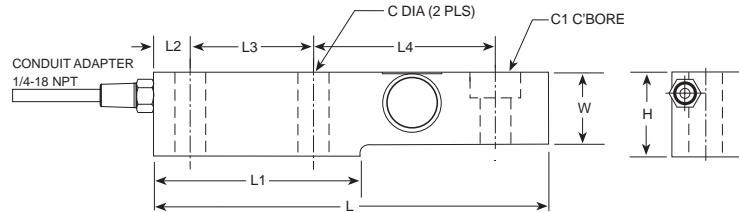
WEIGH MODULE AVAILABLE

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
lb/inches									
2500	.53	.68 THRU C'BORE 1.19x.47DP	1.88	8.00	4.00	.75	2.50	3.88	1.44
kg/mm									
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

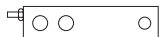
Load Rating	Part #	Suggested List Price
2500 lb (1134.0 kg)	34482	\$600.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Cardinal®	SB2500

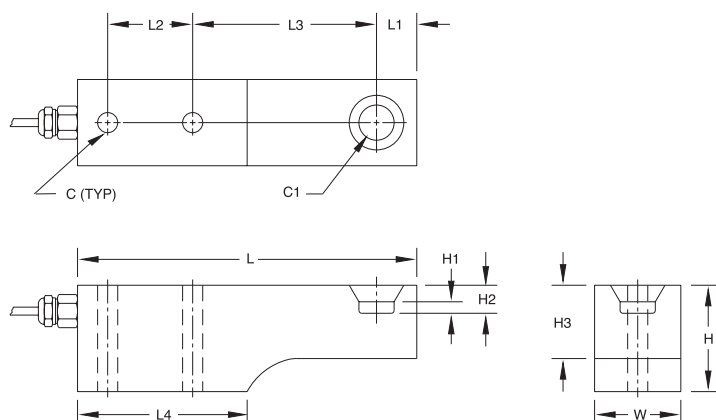
WEIGH MODULE AVAILABLE

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
lb/inches					H2	H3						
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
kg/mm												
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

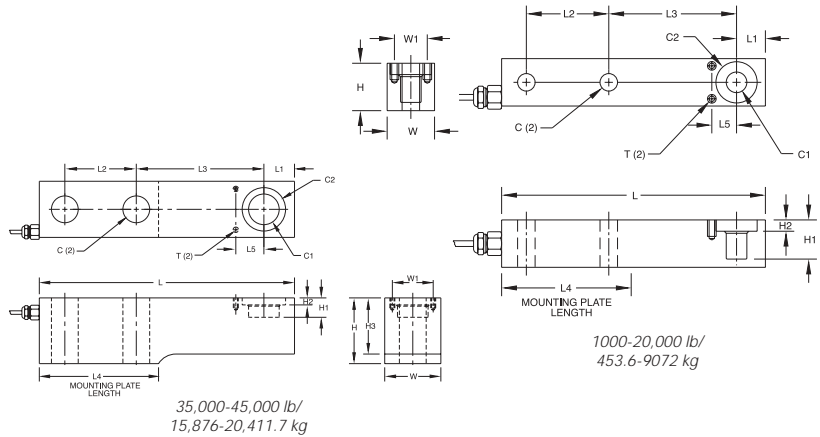
INTERCHANGEABLE PRODUCTS

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
lb/inches																
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
kg/mm																
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

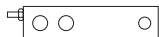
RLSB2L/RLSB2M ORDER INFORMATION

Load Rating	Part #	Suggested List Price
RLSB2L		
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
RLSB2M		
*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

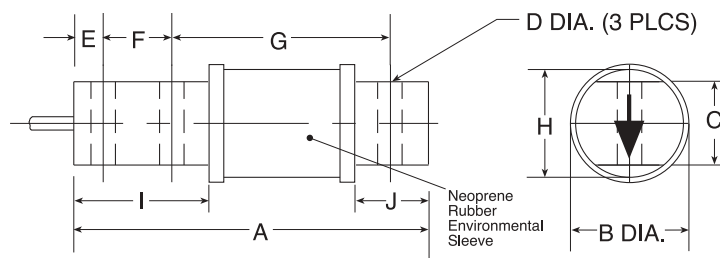
* Hermetically-sealed

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

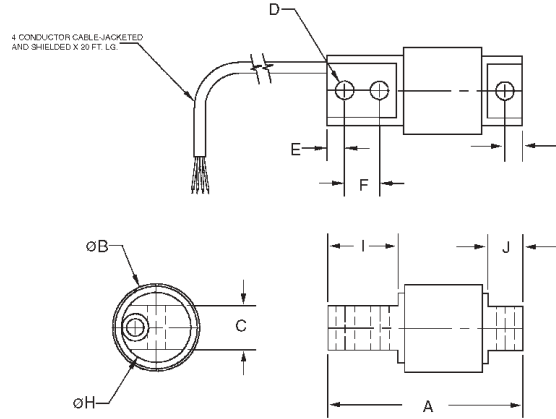
Manufacturer	Model
Vishay Sensortronics	(see page 301) 60040
Artech	50210
Revere Transducers	5503
Rice Lake Weighing Systems	(see page 123) RL50210SS

WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	30



RL50210SS Single-Ended Beam, Stainless Steel, IP67



RATED CAPACITY	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

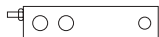
Load Rating	Part #	Suggested List Price
25 lb (11.3 kg)	53209	\$285.00
50 lb (22.7 kg)	53210	\$285.00
75 lb (34.0 kg)	53211	\$285.00
100 lb (45.4 kg)	53212	\$285.00
150 lb (68.0 kg)	53213	\$285.00
250 lb (113.4 kg)	53214	\$285.00
500 lb (226.8 kg)	53215	\$285.00

INTERCHANGEABLE PRODUCTS

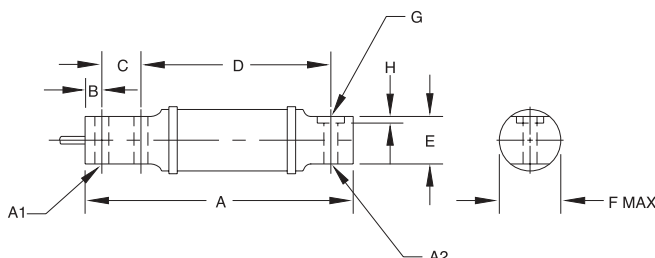
Manufacturer	Model
Vishay Sensortronics	(see page 301) 60040
Artech	50210
Revere Transducers	5503
Rice Lake Weighing Systems	(see page 122) RL50210

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
lb/inches										
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
kg/mm										
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

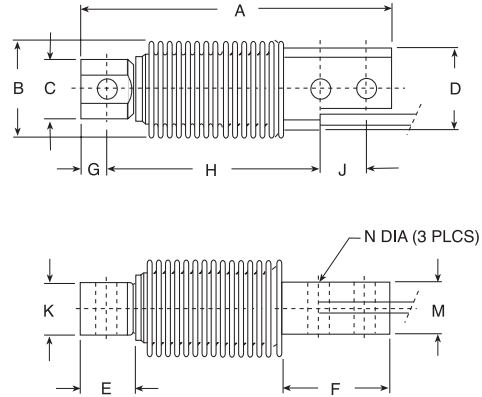
INTERCHANGEABLE PRODUCTS

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
OIML		
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
NTEP		
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

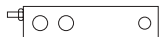
Manufacturer	Model
HBM	(see page 230) Z6*
Revere Transducers.....	(see page 260) SHB
Vishay TedeA-Huntleigh	(see page 328) 355
Vishay Celtron	(see page 185) HBB**

WEIGH MODULE AVAILABLE

Model	Page #
1700HE Series	14

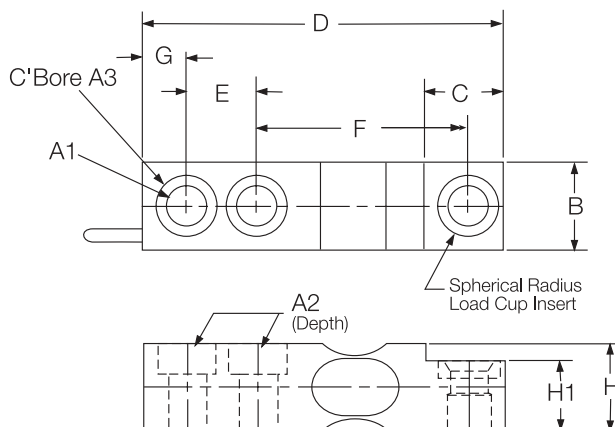
* Non-NTEP

** 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	DIMENSIONS							
	B	C	D	E	F	G	H	H1			
	.53 DIA.	.44	.84	1.25	1.12	5.13	1.00	3.00	.63	1.25	1.00
	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

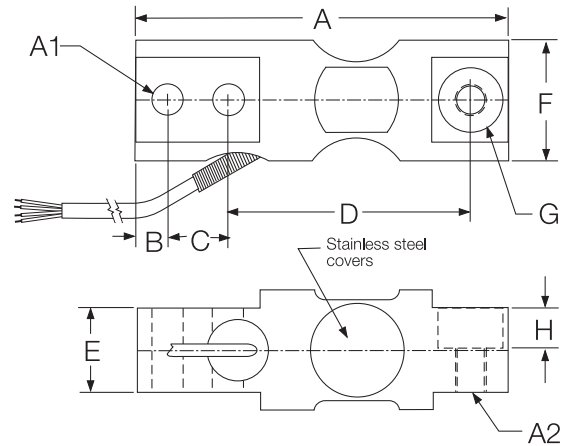
INTERCHANGEABLE PRODUCTS

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
lb/inches												
500-2000	6.13	.515	1/2 20 UNF-2B			.50	1.00	4.00	1.40	1.99	1.07 DIA.	.67
kg/mm												
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

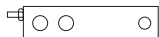
Seal Type:	Environmentally-sealed, IP67
Cable Length:	15'/4.6 m
Cable Color Code:	White + Excitation Blue - Excitation Green + Signal Black - Signal Yellow + Sense Red - Sense Orange Shield
Warranty:	2-year limited warranty

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

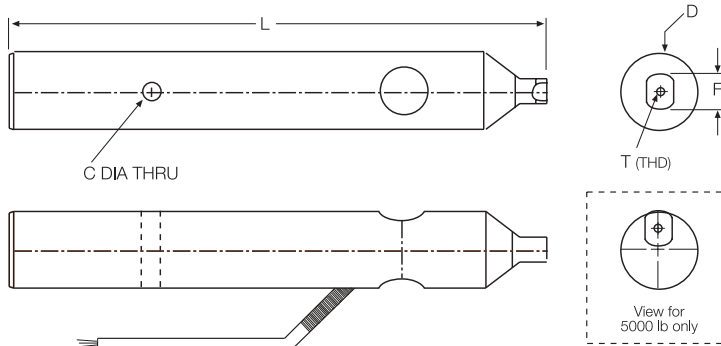


RL75000 SS Single-Ended Beam, Stainless Steel

Welded-seal*, IP67



Welded-seal except
1250 lb & 10,000 lb



RATED CAPACITY

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

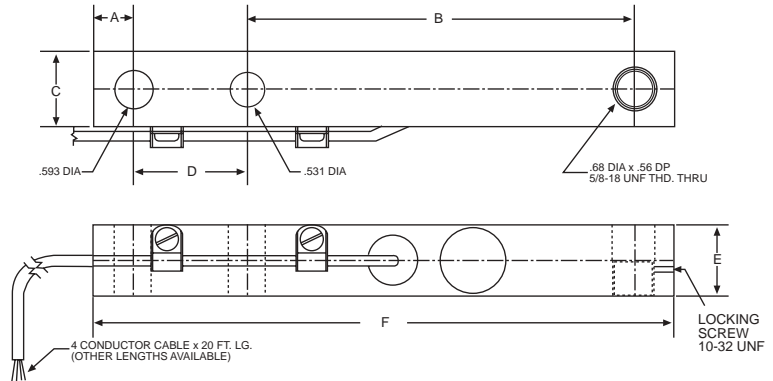
* Welded-seal

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

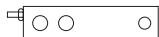
Insulation Resistance: >2000 megohms
Seal Type: Environmentally-sealed, IP67
Cable Length: 20'/6.1 m
Cable Color Code: Green..... + Excitation
Black..... - Excitation
White..... + Signal
Red..... - Signal
Orange..... Shield
Warranty: 2-year limited warranty

RLSBF ORDER INFORMATION

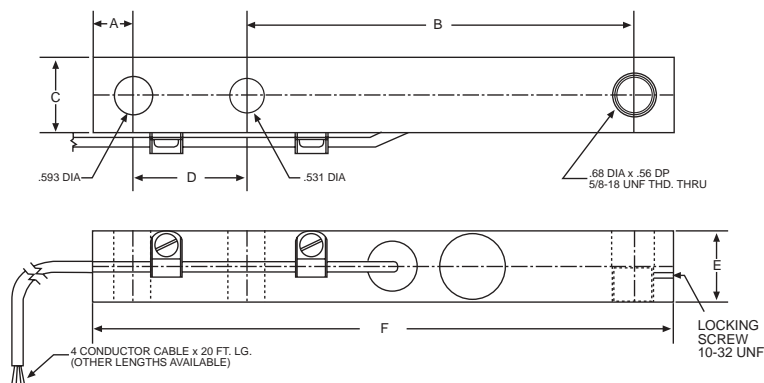
Load Rating	Part #	Suggested List Price
1500 lb (680.4 kg)	53284	\$535.00
2500 lb (1134.0 kg)	53283	\$535.00
Load Cup	69400	\$35.00
Locking Screw	14929	\$1.00

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

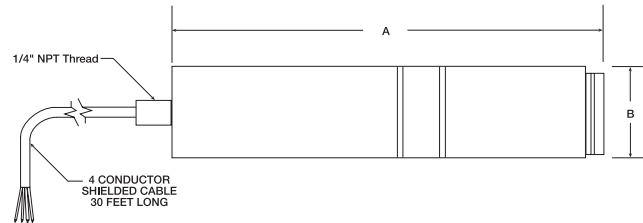
INTERCHANGEABLE PRODUCTS

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

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

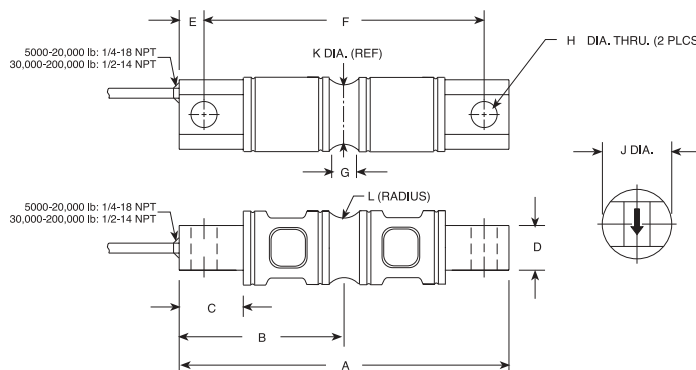
Load Rating	Part #	Suggested List Price
1125 lb (5kN*)	(510.3 kg).....73730	\$1,210.00
2250 lb (10kN*)	(1020.6 kg).....47845	\$1,210.00
4500 lb (20kN*)	(2041.2 kg).....47846	\$1,210.00
11,250 lb (50kN*)	(5,102.9 kg).....47847	\$1,810.00
22,500 lb (100kN*)	(10,205.8 kg).....47848	\$1,865.00
45,000 lb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

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 lb = .02"/.5 mm
Bridge Resistance:	700 ohms, nominal	Seal Type:	Environmentally-sealed, IP67
Material/Finish:	High-alloy steel, nickel plated	Cable Length:	30'/9.1 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
Safe Overload:	150% Full scale	Warranty:	2-year limited warranty
Rated Excitation:	10V DC (15V maximum)		
Non-Repeatability:	0.01% Full scale		
Insulation Resistance:	5000 megohms		

RL70000 ORDER INFORMATION

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

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

INTERCHANGEABLE PRODUCTS

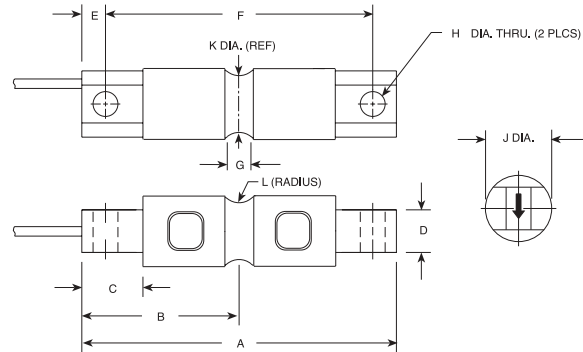
Manufacturer	Model
Revere Transducers	(see page 262) 5103
Artech	70210

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
lb/inches											
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
kg/mm											
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
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
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

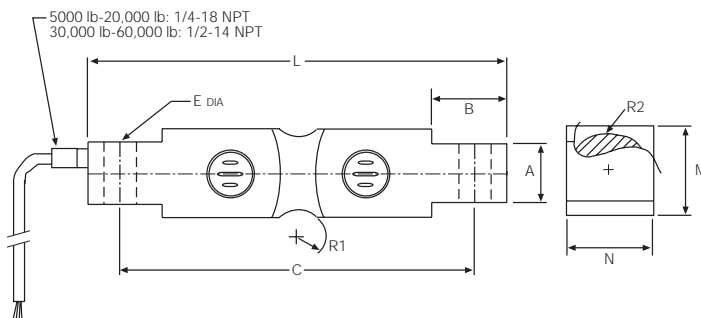


RL71000 HE Double-Ended Beam, Stainless Steel

Hermetically-sealed, IP66/68



Consult factory



RATED CAPACITY	A	B	C	DIMENSIONS					
				E	R1	R2	L	M	N
lb/inches									
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
kg/mm									
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

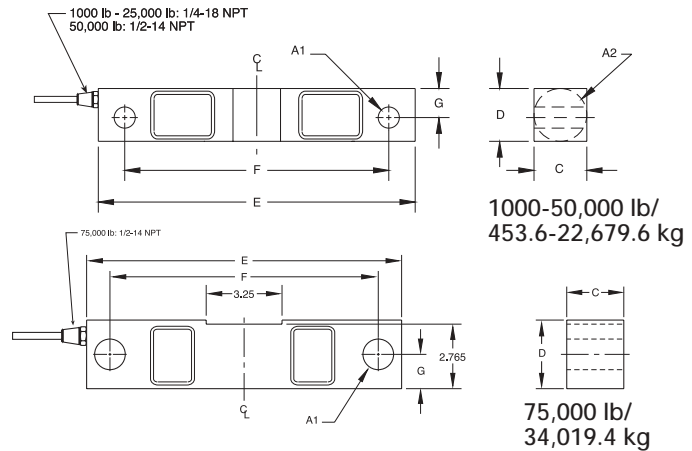
Manufacturer	Model
Rice Lake Weighing Systems	(see page 133) RL70000 SS
Revere Transducers	(see page 263) 9103

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

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

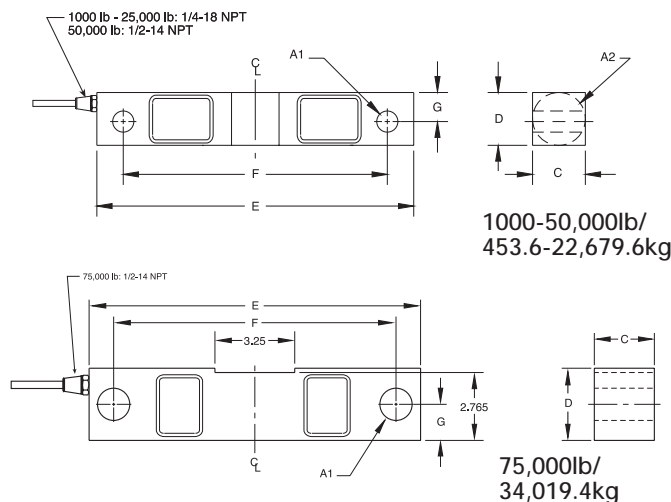
Manufacturer	Model
Vishay Celtron	(see page 187) DSR
Vishay Sensortronics	(see page 311) 65016
Artech	70510
Revere Transducers	5203

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

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

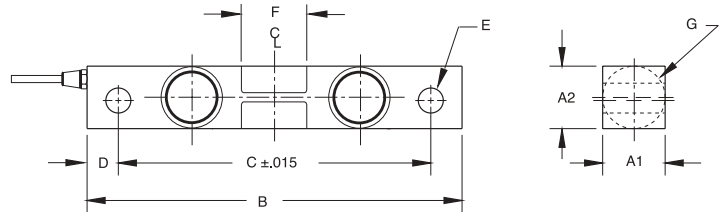
Model	Page #
RL1600 Series	66

* 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	
lb/inches									
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
kg/mm									
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

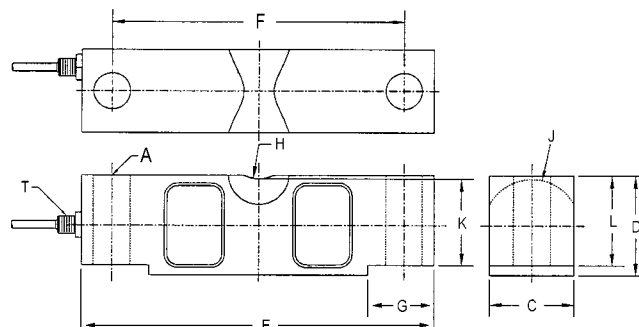
WEIGH MODULE AVAILABLE

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						
lb/inches											
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
kg/mm											
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	737	980	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
NTEP 1:10,000		
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
Non-NTEP		
10,000 lb (4536.0 kg)	41890.....	\$615.00
60' Cables		
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
100' Cable		
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

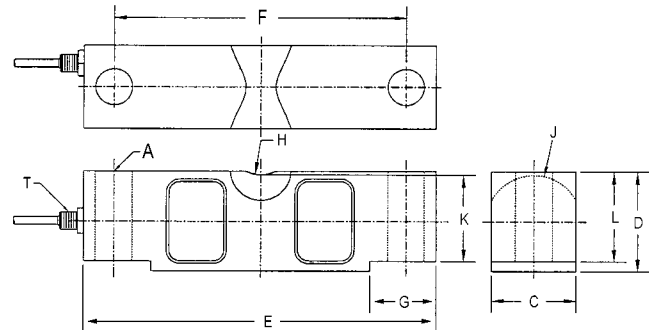
Model	Page #
2100HE.....	18
MVS.....	70
TSA.....	72

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
lb/inches											
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
kg/mm											
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

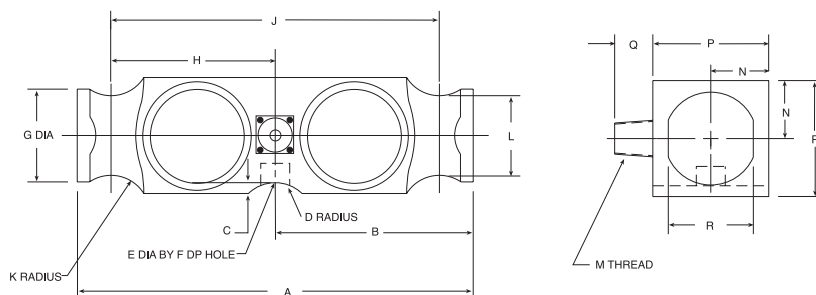
WEIGH MODULE AVAILABLE

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
lb/inches																
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
kg/mm																
22,679.6-29,483.5	260.4	130.1	7.1	25.4	19.1	19.8	61.0	108.0	215.9	25.4	5.2	1/2-14 NPT	38.1	76.2	26.2	55.9
45,359.2	260.4	130.1	7.1	25.4	—	—	61.0	108.0	215.9	25.4	5.2	1/2-14 NPT	38.1	76.2	26.2	55.9

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V	Combined Error:	0.03% Full scale
Bridge Resistance:	700 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	High-alloy steel, epoxy painted	Deflection at Capacity:	50,000 lb = .018"/.5 mm, 65,000 lb = .022"/.6 mm, 100,000 lb = .034"/.9 mm
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	Seal Type:	Welded-seal strain gauge*, IP67
Safe Overload:	150% Full scale	Cable Length:	40'/12.2 m
Rated Excitation:	10V AC/DC (20V maximum)	Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Non-repeatability:	0.01% Full scale	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

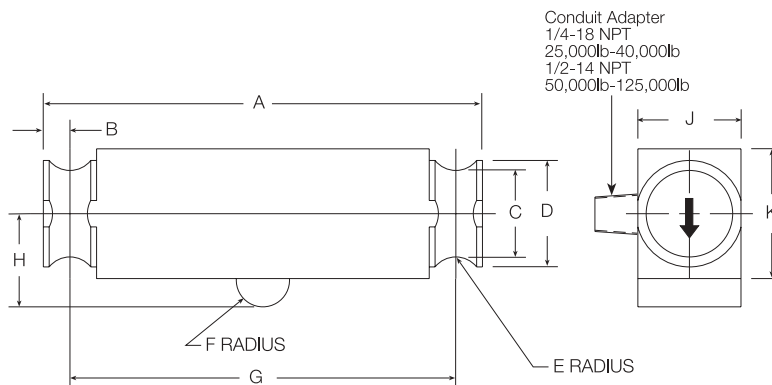
WEIGH MODULE AVAILABLE

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
35 ft Cable		
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
40 ft Cable		
60,000 lb SE (27,215.5 kg)	53593.....	\$760.00
50 ft Cable		
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

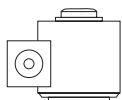
SE refers to small envelope

INTERCHANGEABLE PRODUCTS

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

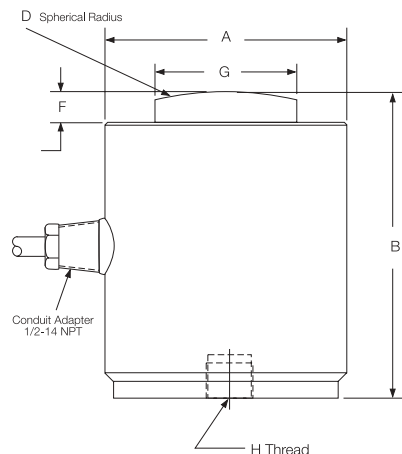
WEIGH MODULE AVAILABLE

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		
lb/inches								
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
kg/mm								
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

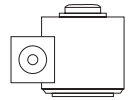
Load Rating	Part #	Suggested List Price
25,000 lb (11,339.8 kg)	32702.....	\$1,505.00
50,000 lb (22,679.6 kg)	32701.....	\$1,505.00
100,000 lb (45,359.2 kg)	32700.....	\$1,685.00
200,000 lb (90,718.5 kg)	32699.....	\$2,205.00

INTERCHANGEABLE PRODUCTS

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

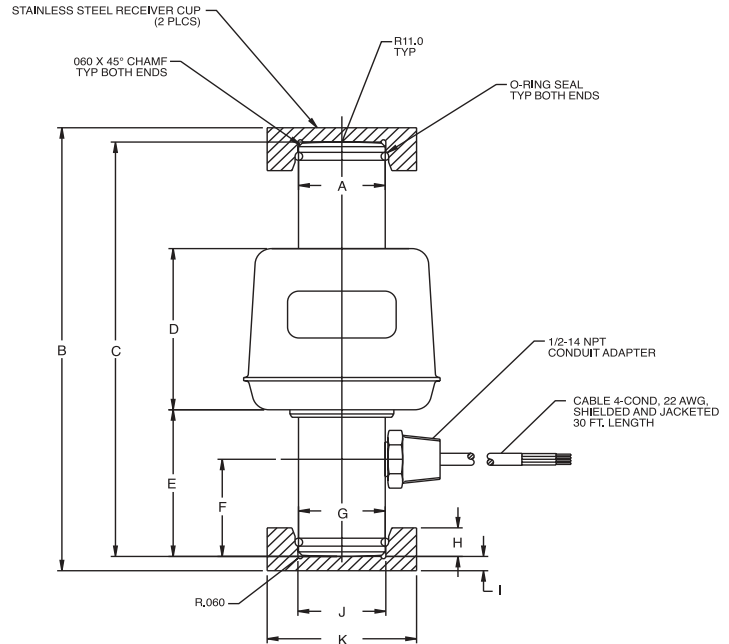
WEIGH MODULE AVAILABLE

Model	Page #
MagnaMount®	82



RLSCA-50K Rocker Column, Stainless Steel

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



RATED CAPACITY	A	B	C	D	E	F	G	H	I	J	K
lb/inches											
50,000	1.46	7.75	7.25	2.82	2.57	1.70	1.46	.50	.25	1.48	2.50
kg/mm											
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:

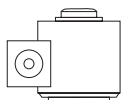
Full Scale Output:	2 mv/V nominal	Insulation Resistance:	1000 megohms
Bridge Resistance:	1050 ohms	Seal Type:	Welded-seal, IP67
Material/Finish:	Stainless Steel	Cable Length:	30'/9 m
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Color Code:	Green.....+ Excitation Black.....- Excitation 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

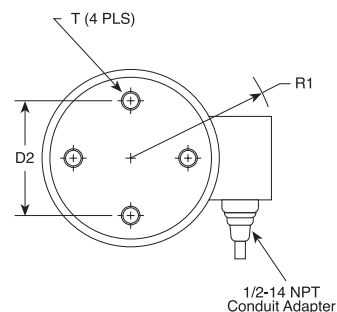
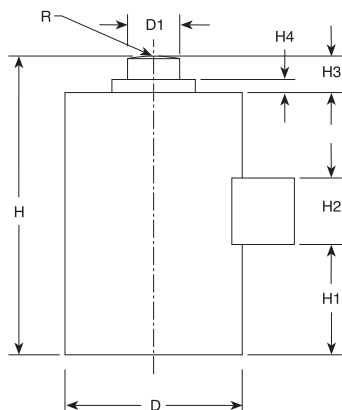
INTERCHANGEABLE PRODUCTS

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
lb/inches											
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
kg/mm											
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

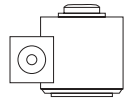
Insulation Resistance: >1000 megohms
Deflection at Capacity: 50,000 lb = .004"/102 mm,
 100,000 lb = .006"/.152 mm,
 200,000 lb = .009"/.228 mm
Seal Type: Hermetically-sealed, IP68
Cable Length: 35'/10.7 m
Cable Color Code: Green..... + Excitation
 Black..... - Excitation
 White..... + Signal
 Red.....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

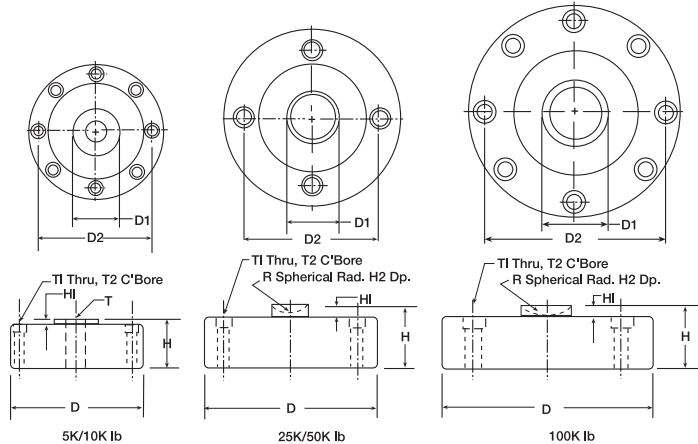
Manufacturer	Model
Revere Transducers	(see page 269) 792



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
lb/inches										
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
kg/mm										
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

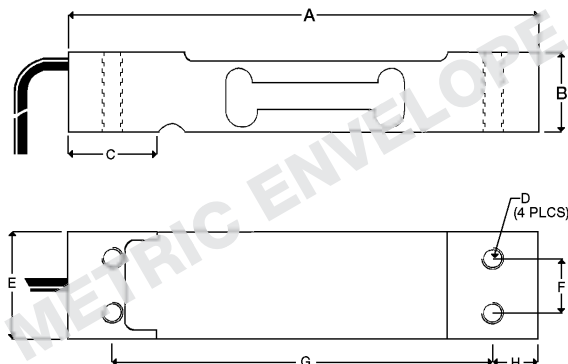
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron	(see page 196) LCD



RL1521A Single Point, Aluminum

NTEP 1:5000 Class III Single Cell



RATED CAPACITY

kg/mm
3-7
10-30
35

A	B	C	D	E	F	G	H
130.0	22.0	25.0	M6 x 1.0	25.4	15.0	106.0	12.0
130.0	22.0	25.0	M6 x 1.0	30.0	15.0	106.0	12.0
130.0	22.0	25.0	M6 x 1.0	40.0	15.0	106.0	12.0

lb/inches
6.6-15.4
22.0-66.2
77.2

A	B	C	D	E	F	G	H
5.12	.87	.99	M6 x 1.0	1.00	.59	4.17	.47
5.12	.87	.99	M6 x 1.0	1.18	.59	4.17	.47
5.12	.87	.99	M6 x 1.0	1.57	.59	4.17	.47

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 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

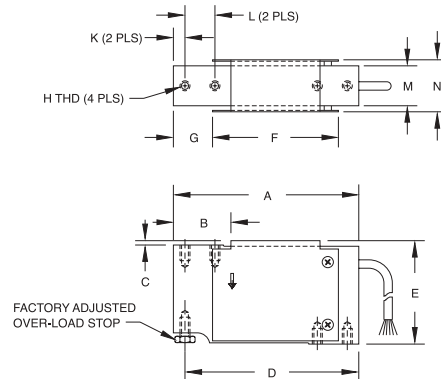
Load Rating	Part #	Suggested List Price
3 kg (6.6 lb)	50620.....	\$140.00
5 kg (11 lb)	50619.....	\$140.00
7 kg (15.4 lb)	50621.....	\$140.00
10 kg (22.1 lb)	50622.....	\$140.00
15 kg (33.1 lb)	50623.....	\$140.00
20 kg (44.1 lb)	50624.....	\$140.00
30 kg (66.1 lb)	50625.....	\$140.00
35 kg (110.2 lb)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

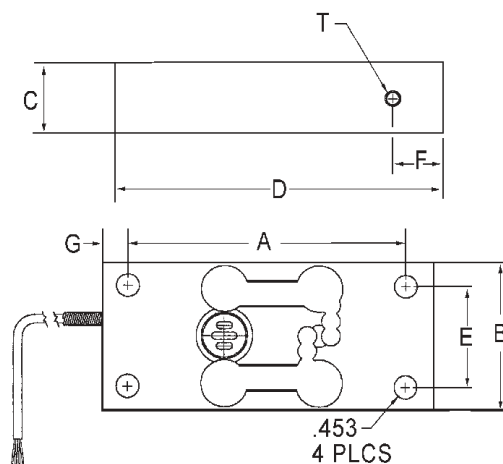
Load Rating	Part #	Suggested List Price
Non-NTEP, Potted		
7 kg (15.4 lb)	17529	\$195.00
10 kg (22.1 lb)	17530	\$195.00
15 kg (33.1 lb)	17531	\$195.00
20 kg (44.1 lb)	17532	\$195.00
30 kg (66.1 lb)	17533	\$195.00
50 kg (110.2 lb)	17534	\$195.00
90 kg (198.4 lb)	17535	\$195.00
Non-NTEP, Unpotted		
3 kg (6.6 lb)	17527	\$180.00
5 kg (11.0 lb)	17528	\$180.00
NTEP 1:5000, Potted		
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							T
	A	B	C	D	E	F	G	
lb/inches								
30-50	5.50	2.90	.735	6.50	2.00	1.00	.50	5/16-18UNC x .50 DP
100-200	5.50	2.90	1.460	6.50	2.00	1.00	.50	5/16-18UNC x .50 DP
kg/mm								
13.6-22.7	165.1	73.6	18.7	139.7	50.8	11.5	12.7	-----
45.4-90.7	165.1	73.6	37.1	139.7	50.8	11.5	12.7	-----

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

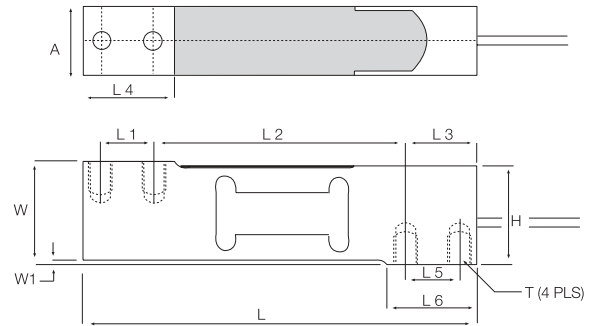
Load Rating	Part #	Suggested List Price
30 lb (13.6 kg)	53295	\$695.00
50 lb (22.7 kg)	53296	\$695.00
100 lb (45.4 kg)	53297	\$695.00
200 lb (90.7 kg)	53298	\$695.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Weigh-Tronix®	FLS



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



RATED CAPACITY	DIMENSIONS											
	A	H	L	L1	L2	L3	L4	L5	L6	W	W1	T
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
Bridge Resistance: 350 ohms, nominal
Material/Finish: Aluminum
Temperature: Compensated temperature range
14°F to 104°F/-10°C to 40°C
Manufacturer
Model Number: 1042-XXXX-001
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Total Error: 0.02% Full scale

Deflection at Capacity: 1-100 kg ≤ .4mm/.015"
Insulation Resistance: 5000 megohms
Seal Type: Environmentally-sealed
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

RL1042 ORDER INFORMATION

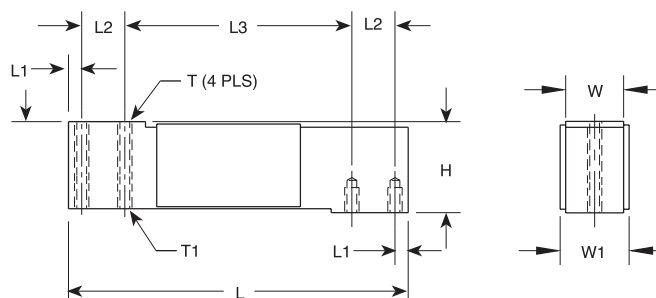
Load Rating	Part #	Suggested List Price
1 kg (2.2 lb)	40955.....	\$180.00
3 kg (6.6 lb)	40956.....	\$180.00
5 kg (11.0 lb)	40957.....	\$180.00
10 kg (22.0 lb)	40958.....	\$180.00
15 kg (33.1 lb)	40959.....	\$180.00
20 kg (44.1 lb)	40960.....	\$180.00
30 kg (66.1 lb)	40961.....	\$180.00
50 kg (110.2 lb)	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	DIMENSIONS							
	H	L	L1	L2	L3	T	T1	W W1
kg/mm 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
lb/inches 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

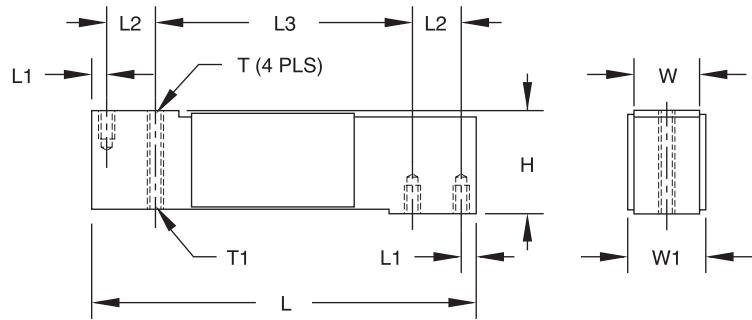
Load Rating	Part #	Suggested List Price
NTEP 1:5000, Potted		
7 kg (15.4 lb)	32860.....	\$195.00
10 kg (22.1 lb)	32861.....	\$195.00
15 kg (33.1 lb)	32862.....	\$195.00
20 kg (44.1 lb)	32863.....	\$195.00
30 kg (66.1 lb)	32864.....	\$195.00
50 kg (110.2 lb)	32865.....	\$195.00
100 kg (220.5 lb)	32866.....	\$195.00
NTEP 1:5000, Unpotted		
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
kg/mm									
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
lb/inches									
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

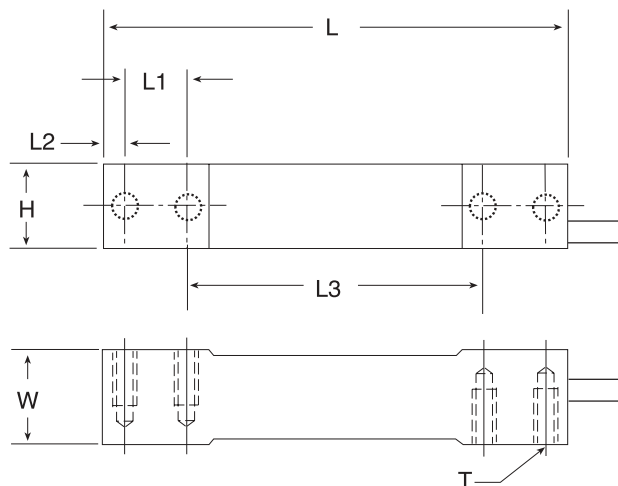
INTERCHANGEABLE PRODUCTS

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
kg/mm							
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
lb/inches							
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

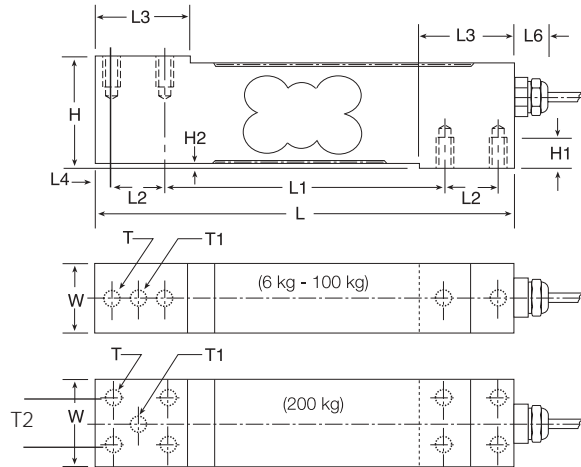
INTERCHANGEABLE PRODUCTS

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
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range
14°F to 104°F/-10°C to 40°C
Safe Overload: 200% Full scale
Rated Excitation: 5V AC/DC (15V maximum)
Combined Error: 0.02% Full scale

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

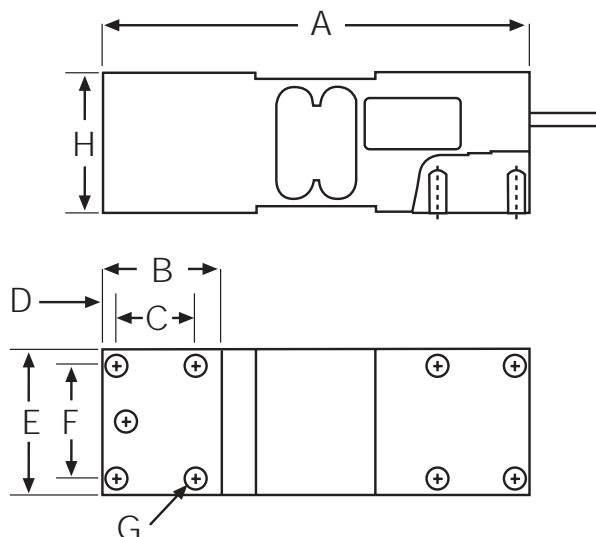
RL1385 ORDER INFORMATION

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
kg/mm							
50-635	188	52	35	5.5	63.5	50	62.3
lb/inches							
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

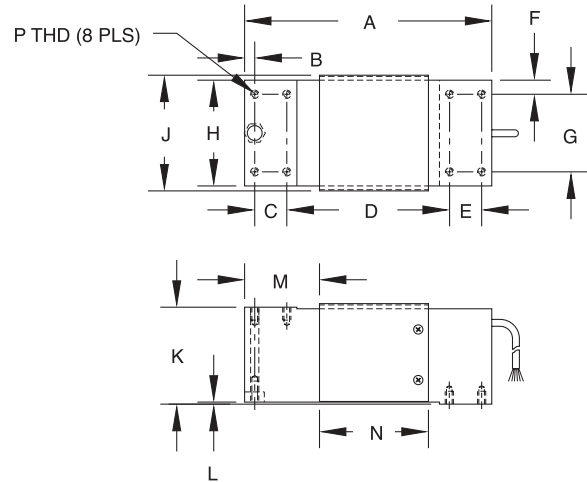
INTERCHANGEABLE PRODUCTS

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

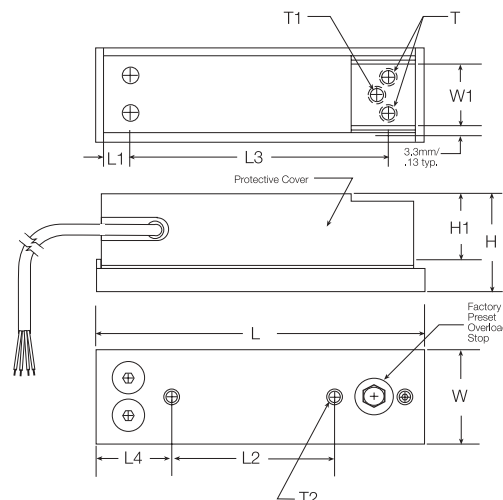
Load Rating	Part #	Suggested List Price
NTEP 1:5000		
50 kg (110.2 lb)	32849	\$315.00
75 kg (165.4 lb)	32856	\$315.00
100 kg (220.5 lb)	32855	\$315.00
150 kg (330.7 lb)	32854	\$315.00
200 kg (440.9 lb)	32853	\$315.00
250 kg (551.2 lb)	32852	\$315.00
300 kg (661.4 lb)	32851	\$315.00
500 kg (1102.3 lb)	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 Tedeo-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
kg/mm												
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
lb/inches												
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

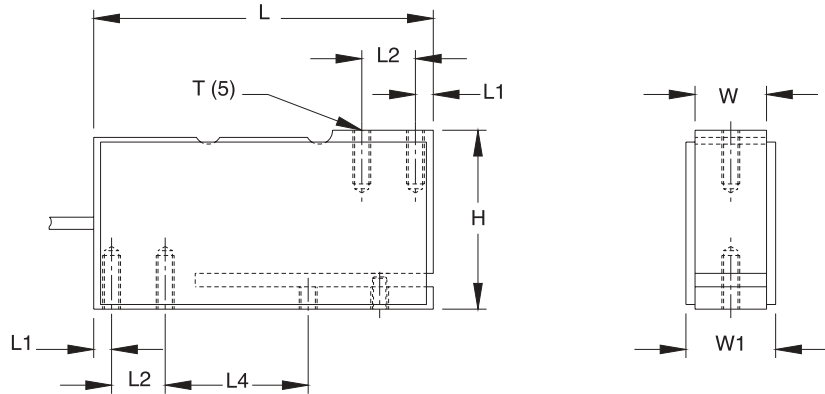
Load Rating	Part #	Suggested List Price
4.5 kg (9.9 lb)	33296	\$435.00
7.5 kg (16.5 lb)	33297	\$435.00
18 kg (39.7 lb)	33298	\$435.00
35 kg (77.2 lb)	33299	\$435.00
50 kg (110.3 lb)	47951	\$435.00

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
lb/inches								
10-100	2.50	4.75	.25	.75	2.00	1/4-20 X 0.50 DP	1.00	1.26
kg/mm								
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

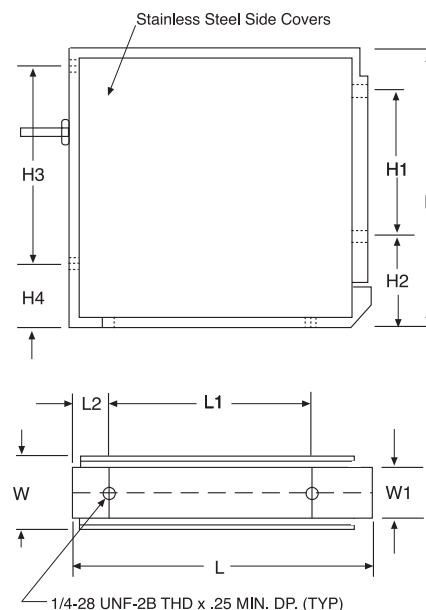
Load Rating	Part #	Suggested List Price
Alloy steel		
10 lb (4.5 kg)	17576	\$395.00
15 lb (6.8 kg)	17577	\$395.00
25 lb (11.3 kg)	17578	\$395.00
30 lb (13.6 kg)	17579	\$395.00
50 lb (22.7 kg)	17580	\$395.00
100 lb (45.3 kg)	17581	\$395.00
Stainless steel		
10 lb (4.5 kg)	25375	\$445.00
15 lb (6.8 kg)	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
lb/inches										
50-3000	5.3	2.75	1.72	3.74	1.22	5.9	4.00	.70	1.29	.89
kg/mm										
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

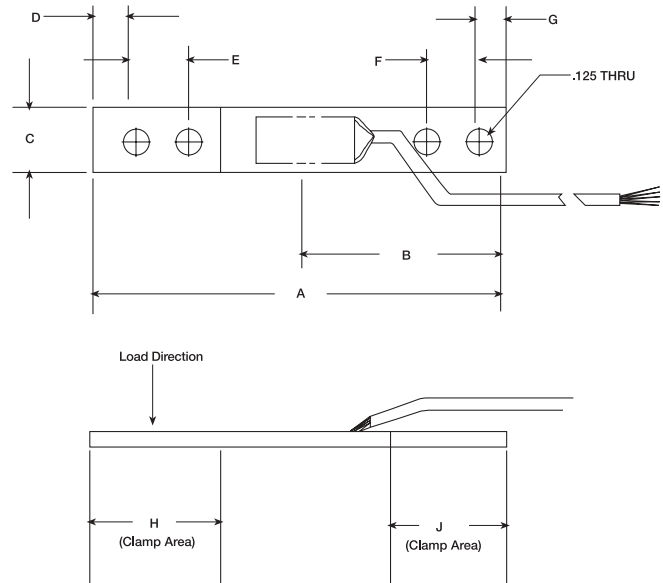
RLMK1 ORDER INFORMATION

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
lb/inches										
1-40	2.35	1.13	.375	.20	.35	.30	.15	.75	.65	
kg/mm										
0.5-18.1	59.6	28.7	9.5	5.0	8.8	7.6	3.8	19.0	16.5	

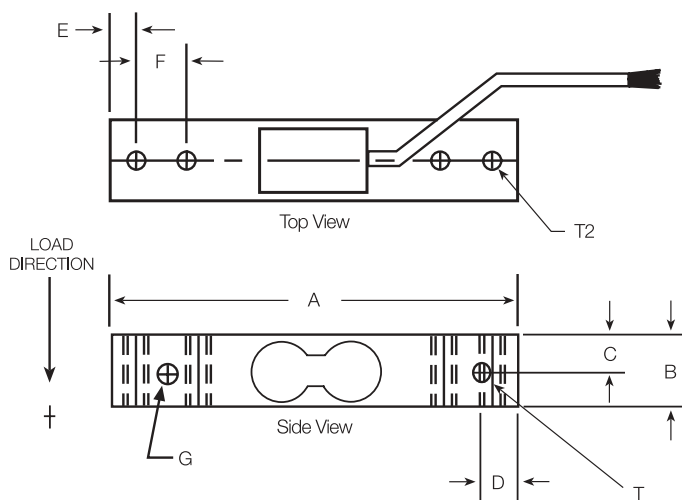
SPECIFICATIONS:

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"/7.45 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:	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
lb/inches 1-50	3.14	.550	.275	.30	.20	.40	.19	10-32UNF THRU	8-32UNF-2 THRU
kg/mm 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

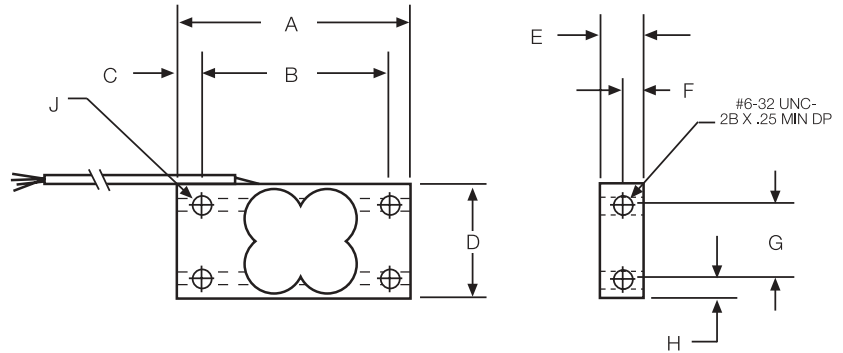
SPECIFICATIONS:

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		

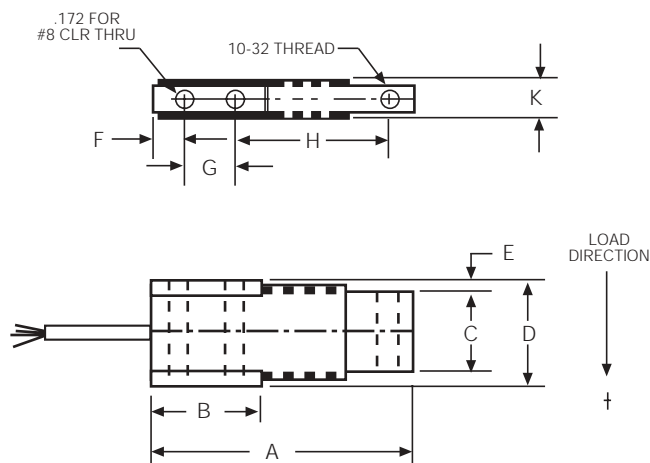
RLS2732 ORDER INFORMATION

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)
lb/inches 2-250	2.38	1.0	.75	1.0	.13	.25	.50	1.312	.63	.50
kg/mm 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

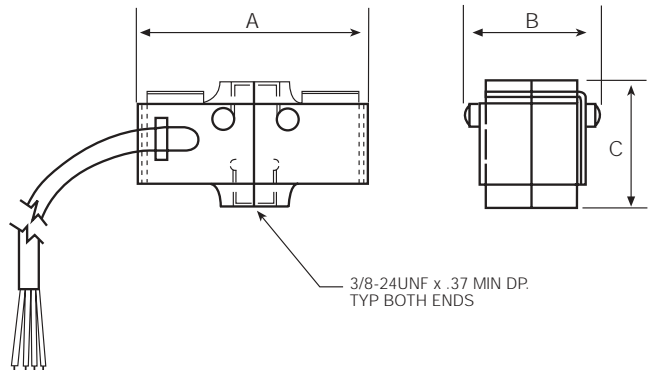
INTERCHANGEABLE PRODUCTS

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
lb/inches 2-300	1.86	1.05	1.0
kg/mm 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



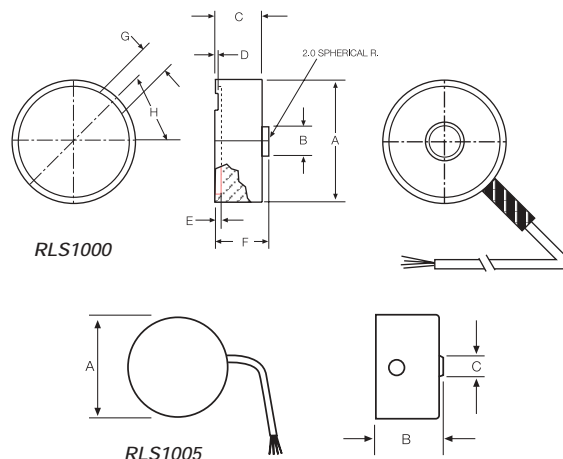
RLS1000



RLS1005



RLS1000 only



RATED CAPACITY	A	B	C	D	E	F	G	H
RLS1000								
lb/inches 500-5000	1.25	.30	.485	.032	.062	.52	.312	45°
kg/mm 226.8-2268.0	31.7	7.6	12.3	.812	1.5	13.2	7.9	45°
RLS1005								
lb/inches 1000-8000	.875	.55	.165	-	-	-	-	-
kg/mm 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

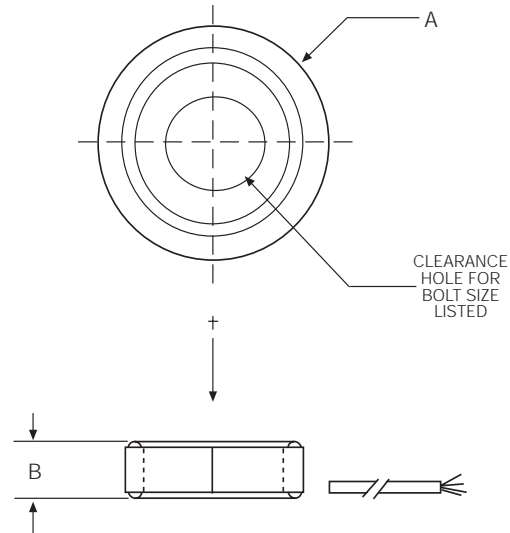
Load Rating	Part #	Suggested List Price
500 lb (226.8 kg)	42150	\$350.00
1000 lb (453.6 kg)	42151	\$350.00
2000 lb (907.2 kg)	42152	\$350.00
3000 lb (1360.8 kg)	42153	\$350.00
4000 lb (1814.4 kg)	42154	\$350.00
5000 lb (2268.0 kg)	42155	\$350.00

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

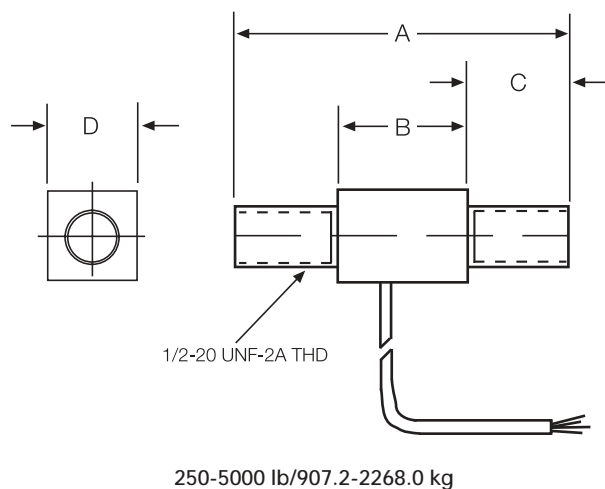
SPECIFICATIONS:

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



RATED CAPACITY	DIMENSIONS			
	A	B	C	D
lb/inches				
250-1000	2.75	.75	.65	1.00
2000-5000	2.75	1.05	.85	.75
kg/mm				
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

Compression Canisters



C2P1, Alloy Steel Page 168

Single-column design with low deflection and trouble-free operation. High-alloy steel, epoxy coated for use in harsh environments. Compact and rugged. NTEP-certified capacities from 20,000 to 200,000 lb (9071.9 to 90,718.5 kg); non-NTEP capacity of 300,000 lb (136,078.1 kg). Integral 10'/3.1 m or 35'/10.7 m cable.



C3P1, Alloy Steel Page 169

Single-column, environmentally-protected design provides low deflection and trouble-free operation. High-alloy steel, epoxy coated for corrosion resistance. Compact and rugged. Capacities from 500 to 10,000 lb (226.8 to 4535.9 kg). Complete with 35'/10.7 m of load cell cable.



Tension Canisters



T2P1, Alloy Steel Page 170

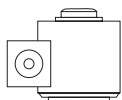
Single-column, environmentally-protected design provides low deflection and trouble-free operation. High-alloy steel, epoxy-coated construction yields trouble-free performance in harsh environments. Designed for high-capacity tension applications. Capacities of 20,000 and 50,000 lb (9071.9 and 22,679.6 kg). Integral 35'/10.7 m cable.



T3P1, Alloy Steel Page 171

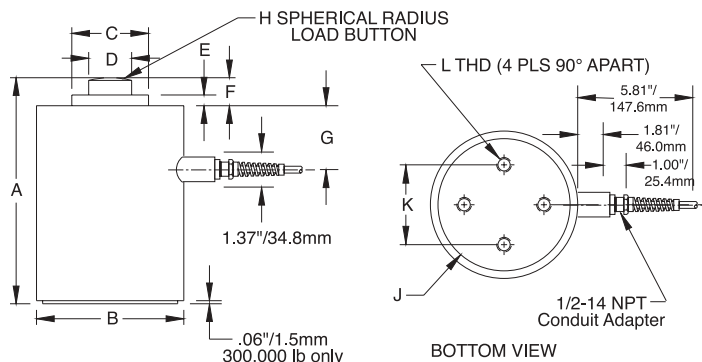
Single-column design provides low deflection and trouble-free operation. High-alloy steel, epoxy-coated construction yields trouble-free performance in harsh environments. Designed for high accuracy in light- to medium-capacity tension or compression applications. Capacities of 400 to 10,000 lb (226.87 to 3424.9 kg). Complete with 35'/10.7 m of load cell cable.





C2P1 Compression Canister, Alloy Steel

NTEP 1:4500 Class IIIL Multiple Cell, IP67



RATED CAPACITY

lb/inches
 20,000-50,000
 100,000
 200,000
 300,000

	A	B	C	D	E	F	G	H	J	K	L
20,000-50,000	7.50	4.50	2.25	1.25	.50	.75	2.50	6.00	—	2.38	3/8-24 UNF-2 X 3/8 DP
100,000	9.13	6.00	3.13	1.75	.63	1.06	2.50	12.00	—	4.00	1/2-20 UNF-2B X 3/4 DP
200,000	11.63	8.00	4.50	2.50	.63	1.06	3.50	12.00	—	5.50	5/8-18 UNF-2B X 1 DP
300,000	14.00	10.00	5.00	3.00	.75	1.31	4.31	15.00	8.00	5.50	3/4-16 UNF-2B X 1 1/4 DP

kg/mm

9071.9-22,679.6
 45,359.2
 90,718.5
 136,078.1

	A	B	C	D	E	F	G	H	J	K	L
9071.9-22,679.6	190.5	114.3	57.2	31.8	12.7	19.1	63.5	152.4	—	60.3	3/8-24 UNF-2 X 3/8 DP
45,359.2	231.8	152.4	79.4	44.5	15.9	27.0	63.5	304.8	—	101.6	1/2-20 UNF-2B X 3/4 DP
90,718.5	295.3	203.2	114.3	63.5	15.9	27.0	88.9	304.8	—	139.7	5/8-18 UNF-2B X 1 DP
136,078.1	295.3	203.2	114.3	63.5	19.1	27.0	109.5	304.8	203.2	139.7	3/4-16 UNF-2B X 1 1/4 DP

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: High-alloy steel, epoxy coated
 Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
 Seal Type: NEMA 6 Environmentally-sealed, IP67
 Safe Overload: 150% Full scale
 Rated Excitation: 10V DC (20V maximum)
 Nonlinearity: 0.03% Full scale
 Hysteresis: 0.02% Full scale

Insulation Resistance: 5000 megohms
 Deflection at Capacity: 20,000-30,000 lb = .0075"/.191 mm, 50,000 = .0065"/.165 mm, 100,000 lb = .0075"/.191 mm, 200,000 lb = .0070"/.178 mm, 300,000 lb = .012"/.305 mm
 Cable Length: 10' or 35'/3.0 m or 10.7m, see below
 Cable Color Code: Green.....+ Excitation
 Black.....- Excitation
 White.....+ Signal
 Red.....- Signal
 Yellow.....Shield
 Warranty: 1-year limited warranty

C2P1 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
NTEP 1:4500, 10 ft Cables		
20,000 lb (9071.9 kg)	21625	\$1,625.00
30,000 lb (13,607.8 kg)	21629	\$1,625.00
50,000 lb (22,679.6 kg)	21626	\$1,675.00
100,000 lb (45,359.2 kg)	21627	\$1,845.00
200,000 lb (90,718.5 kg)	21628	\$2,895.00

NTEP 1:4500, 35 ft Cables

20,000 lb (9071.9 kg)	21630	\$1,705.00
30,000 lb (13,607.8 kg)	21631	\$1,705.00
50,000 lb (22,679.6 kg)	21632	\$1,810.00
100,000 lb (45,359.2 kg)	21633	\$1,940.00
200,000 lb (90,718.5 kg)	21634	\$2,995.00

C2P1 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Non-NTEP, 10 ft Cables		
300,000 lb (13,6078.1 kg)	17670	\$4,795.00
Non-NTEP, 35 ft Cables		
300,000 lb (136,078.1 kg)	17671	\$4,895.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Fairbanks®	3-38065-X, 3-38066-X
HBM	C10
Streeter Richardson	2011611, 2011612
Streeter Richardson	2011613, 2011614, 2011617
Mettler-Toledo®	10049200A, 10014900A
Mettler-Toledo®	10011900A, 10049300A

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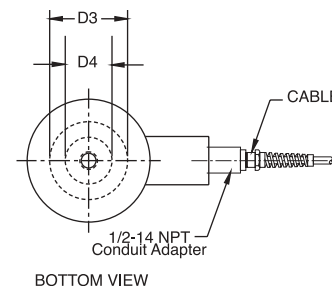
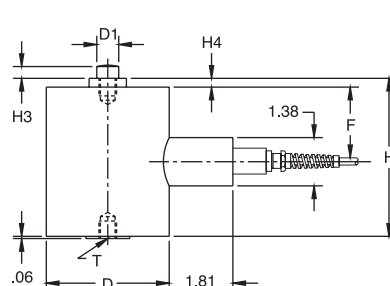
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C3P1 Compression Canister, Alloy Steel, IP67

Reduced Prices!



HOLES CAN BE DRILLED WITHIN THIS AREA TO RECEIVE LOCKING SCREWS. MAX. DEPTH OF HOLES IS "L" DIM.



RATED CAPACITY	DIMENSIONS									
	D	D1	D3	D4	F	H	H3	H4	L	T
lb/inches										
500-3000	3.50	.62	1.25	—	2.25	4.56	.38	.25	—	1/2-20 UNF-2B X .50 DP
5000-10,000	3.50	1.06	2.50	1.75	2.66	5.94	.62	.38	.50	1-14 UNS-2B X 1.25 DP
kg/mm										
226.8-1360.8	88.9	15.7	31.8	—	57.2	115.8	9.5	6.4	—	1/2-20 UNF-2B X .50 DP
2268.0-4535.9	88.9	27.0	63.5	44.5	67.6	150.9	15.7	9.7	12.7	1-14 UNS-2B X 1.25 DP

SPECIFICATIONS

Full Scale Output: 3.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: High-alloy steel, epoxy coated
 Temperature: Compensated range 0°F to 150°F/-17°C to 65°C
 Safe Overload: 150% Full scale
 Rated Excitation: 10V DC (20V maximum)
 Nonlinearity: 0.05% Full scale
 Hysteresis: 500 lb = 0.05% Full scale
 1000-10,000 lb = 0.02% Full scale

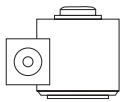
Insulation Resistance: 5000 megohms
 Deflection at Capacity: 500 lb = .007"/.18 mm, 1000 lb = .006"/.15 mm, 2000-3000 lb = .005"/.13 mm, 5000 lb = .007"/.18 mm, 10,000 lb = .005"/.13 mm
 Seal Type: NEMA 6 Environmentally-sealed, IP67
 Cable Length: 35'/10.7 m
 Cable Color Code: Green..... + Excitation
 Black..... - Excitation
 White..... + Signal
 Red..... - Signal
 Yellow..... Shield
 Warranty: 1-year limited warranty

C3P1 ORDER INFORMATION

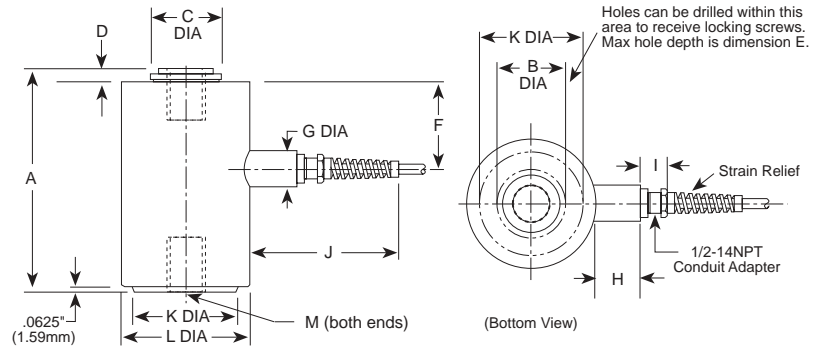
Load Rating	Part #	Suggested List Price
500 lb (226.8 kg)	17672	\$1,850.00
1000 lb (453.6 kg)	17673	\$1,850.00
2000 lb (907.2 kg)	17674	\$1,850.00
3000 lb (1360.8 kg)	17675	\$1,850.00
5000 lb (2268.0 kg)	17676	\$1,950.00
10,000 lb (4535.9 kg)	17677	\$1,950.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Fairbanks®	3-38054-X
Mettler-Toledo®	1004400A, KN713700
Mettler-Toledo®	KB200570, 10049100A



T2P1 Tension Canister, Alloy Steel



RATED CAPACITY	DIMENSIONS													
	A	B	C	D	E	F	G	H	I	J	K	L	M	
lb/inches														
20,000	8.50	2.63	2.75	.50	1.00	3.38	1.38	1.81	1.00	5.81	4.00	5.00	1 1/2-12 UNF-2B x 2DP	
50,000	11.44	3.75	4.00	.63	1.00	5.00	1.38	1.81	1.00	5.81	5.75	6.50	2-12UNF-2B x 2.63DP	
kg/mm														
9071.9	215.9	66.8	69.9	12.7	25.4	85.9	35.1	46.0	25.4	147.6	101.6	127.0	1 1/2-12 UNF-2B x 50.8DP	
22,679.7	290.6	95.3	101.6	16.0	25.4	127.0	35.1	46.0	25.4	147.6	146.1	165.1	2-12 UNF-2B x 66.7DP	

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, epoxy coated
Temperature: Compensated range
0°F to 150°F/-17°C to 65°C
Seal Type: Environmentally-sealed
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (20V maximum)
Combined Error: ±0.03% Full scale
Repeatability: 0.02% Full scale

Insulation Resistance: 5000 megohms
Deflection at Capacity: 20,000 lb = .0075"/.191 mm,
50,000 lb = .0100"/.254 mm
Cable Length: 35'/10.7 m
Cable Color Code: Green..... + Excitation
Black..... - Excitation
White..... + Signal
Red..... - Signal
Yellow..... Shield
Warranty: 1-year limited warranty

T2P1 ORDER INFORMATION

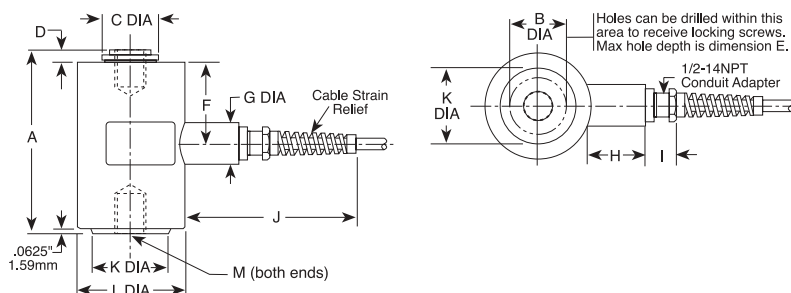
Load Rating	Part #	Suggested List Price
20,000 lb (9071.9 kg)	17660.....	\$2,850.00
50,000 lb (22,679.6 kg)	17661.....	\$2,950.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Fairbanks®	657090, 657091
Streeter Richardson.....	2011711, 2011712

T3P1 Tension Canister, Alloy Steel

Reduced Prices!



RATED CAPACITY	DIMENSIONS												
	A	B	C	D	E	F	G	H	I	J	K	L	M
lb/inches													
500-3000	4.56	—	1.06	.25	—	2.25	1.38	1.81	1.00	5.81	1.25	3.50	1/2-20 UNF-2B x .5 DP
5000-10,000	5.93	1.75	1.87	.38	.50	2.66	1.38	1.81	1.00	5.81	2.50	3.50	1-14 UNS-2B x 1.25 DP
kg/mm													
226.8-1360.8	115.8	—	26.9	6.4	—	57.2	35.1	46.0	25.4	147.6	31.8	88.9	1/2-20 UNF-2B x 12.7 DP
2268.0-4535.9	150.6	44.4	47.5	9.7	12.7	67.6	35.1	46.0	25.4	147.6	63.5	88.9	1-14 UNS-2B x 31.8 DP

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	High-alloy steel, epoxy coated
Temperature:	Compensated range 0°F to 150°F/-17°C to 65°C
Seal Type:	Environmentally-sealed
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (20V maximum)
Nonlinearity:	0.05% Full scale
Hysteresis:	0.05% Full scale (500 lb) 0.02% Full scale (1000-10,000 lb)

Insulation Resistance:	5000 megohms
Deflection at Capacity:	500 lb = .007"/.18 mm, 1000 lb = .006"/.15 mm, 2000-3000 lb = .005"/.13 mm, 5000 lb = .007"/.18 mm, 10,000 lb = .005"/.13 mm
Cable Length:	35'/10.7 m
Cable Color Code:	Green.....+ Excitation Black.....- Excitation White.....+ Signal Red.....- Signal Yellow..... Shield
Warranty:	1-year limited warranty

T3P1 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
500 lb (226.8 kg)	17654	\$1,850.00
1000 lb (453.6 kg)	17655	\$1,850.00
2000 lb (907.2 kg)	17656	\$1,850.00
3000 lb (1360.8 kg)	17657	\$1,850.00
5000 lb (2268.0 kg)	17658	\$1,950.00
10,000 lb (4535.9 kg)	17659	\$1,950.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Fairbanks®	3-39897-X, 3-40766-X
Streeter Richardson	20117XX
Mettler-Toledo®	10048X00A, KN75066

BLH, Inc.

S-Beams



STC, Low-Capacity, Alloy Steel Page 177

Ideally suited for batching and filling, conveyor and hopper/tank weighing. Nickel plated, high-alloy steel construction. Capacities from 50 to 200 lb (22.7 to 90.7 kg). Complete with 10'/3.1 m of load cell cable.



STC, Alloy Steel Page 178

Ideally suited for batching and filling and hopper/tank weighing. Nickel plated, alloy steel construction. Capacities from 250 to 40,000 lb (113.4 to 18,144 kg). Complete with 20'/6.1 m of load cell cable.



STC SS, Stainless Steel Page 179

The Vishay Celtron STC has been a popular industry S-beam for some time, and for the first time is available in a stainless steel version. This high-quality product is ideal for tension applications, and provides the additional protection of being manufactured from stainless. Capacities from 200 to 10,000 lb (90.7 to 4535.9 kg). Each unit is provided with a standard 20'/6.1 m cable.



HTC SS, Stainless Steel, Welded-seal Page 180

The Vishay Celtron HTC SS is the market's latest entry into the welded-seal S-beam market. It provides upgraded protection to the standard environmentally sealed S-beam, for dry but dirty suspended tank, hopper and mechanical replacement applications. An economical alternative to fully stainless, welded S-Beams the HTC SS provides a mid-range solution where none previously existed. Available in capacities ranging from 500 lb to 10,000 lb, the HTC SS is sure to get serious consideration for many projects. Each unit includes 20'/6.1 m of standard load cell cable.

Single-Ended Beams



SQB, Alloy Steel Page 181

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



SQB-HSS, Stainless Steel Page 182

The Vishay Celtron SQB-HSS 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 SQB-HSS 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.



Single-Ended Beams (Continued)

MBB, Alloy Steel..... Page 183



Ultra-small load cell designed for bench, platform, tank and conveyor weighing applications. Nickel plated and environmentally protected with a stainless steel side plate. Capacities from 50 to 250 lb (22.7 to 113.4 kg). Complete with 3'/0.9 m of load cell cable.



SEB, Steel..... Page 184



The Vishay Celtron SEB is a single-ended beam designed for various scale and process weighing applications. This unit is manufactured from high-alloy steel that has been nickel plated to ensure an IP67 rating. The product is OIML approved and has metric envelope capacities ranging from 500 kg to 2.5 t. Each unit is provided with a 20'/6.1 m of standard load cable to deliver an accurate yet economical package.



HBB, Stainless Steel Page 185



The HBB is Vishay Celtron's version of the traditional design Bending Beam packaged with a welded stainless steel bellow to provide additional environmental protection. This economical alternative to traditional designs is ideal for low-profile platform scales, packaging machinery, mechanical conversions or most any general weighing application. Complete with NTEP certification, the HBB is available in capacities ranging from 10 kg to 250 kg and includes 20'/6.1 m of load cell cable.

Double-Ended Beams

CSB, Alloy Steel Page 186



This double-ended beam with center loading is an optional replacement for many popular cells in the industry. Designed for truck, tank, and hopper applications. Capacities from 5000 to 150,000 lb (2268.0 to 68,040 kg). Complete with 30'/9.1 m of load cell cable.



DSR, Alloy Steel Page 187



Double-ended beam with center loading. Designed for tank, hopper and silo applications. Capacities from 1000 to 75,000 lb (453.6 to 34,019.5 kg). Complete with 25'/7.6 m load cell cable.



DSR-HSS, Stainless Steel..... Page 188



A new center loaded, double-ended beam in stainless steel with welded gauge covers. Available capacities range from 1,000 to 75,000 lb (453.6 to 34,019.5 kg). This load cell is ideal for tank, hopper, and silo applications, has a welded-seal, and comes with 25'/7.6 m of load cell cable.



NEW!

Double-Ended Beams (Continued)

CLB, Alloy Steel..... Page 189



The Vishay Celtron CLB is an alloy steel, nickel-plated, double-ended beam that is ideal for applications in truck, track, tank and hopper applications. This product is of the center-loaded design, and is compatible with both the MVS and TSA mounting assemblies. The price has recently been reduced, and it should be competitive with any similar load cell on the market today. Available in capacities from 20,000 to 125,000 lb (9071.9 to 56,699.1 kg), with all units being provided with a 35'/10.6 m cable.



HED, Alloy Steel Page 190



This double-ended beam is intended for use in parallel link applications. The advantages to this method of loading is that the link design provides free movement in all horizontal directions with virtually no binding or friction points. This load cell is made of high-alloy steel that has been nickel plated, and is hermetically sealed to provide superior protection against the elements. Capacities range from 50,000 to 100,000 lb (22,679.6 to 45,359.2 kg). Each unit is provided with 40'/12.2 m of cable.



DLB, Alloy Steel..... Page 191



Designed for center mounting and double-link loading, the DLB is a high-accuracy solution for many weighing applications. This alloy steel, nickel-plated load cell is compatible with Unilink/Translink mounting configurations. Available in capacities from 25,000 to 125,000 lb (11,339.8 to 56,699.1 kg). Units are provided with a standard 35'/10.6 m cable.



Single Points

LPS, Aluminum..... Page 192



Designed for counting and bench weighing applications. Capacities from 3 to 100 kg (6.6 to 220.5 lb). Complete with 450mm/17.8" of load cell cable.



LOC, Aluminum Page 193



Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform, hanging scales, and other low-capacity beam applications. Long-term stability and durability are maintained. Capacities from 5 to 100 kg (11.0 to 220.5 lb). Complete with 1 m/3.3' of load cell cable.



LOC, Aluminum, Heavy Capacity Page 194



Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform and hanging scales. Long-term stability and durability are maintained. Capacities from 100 to 500 kg (220.5 to 1102.3 lb). Complete with 3.1 m/10' of load cell cable.



Single Points (Continued)

HOC, Aluminum Page 195



The HOC model is a high-capacity single point made of aluminum. Direct mounting of low-profile platforms simplifies the construction of floor scales, weigh bars, and hanging scales. Capacities from 750 to 2000 kg (1653.7 to 4410.0 lb). Complete with 3.1 m/10' of load cell cable.



Compression Canisters

LCD Compression Disk, Alloy Steel Page 196



Environmentally-protected low-profile compression disk. 5000 and 10,000 lb models can also be used in tension loading applications. Shear web design provides excellent performance, low-profile feature makes it ideal for applications where height is critical. Capacities from 5000 to 100,000 lb (2268.0 to 45,359.4 kg). Integral 50'/15.2 m cable.



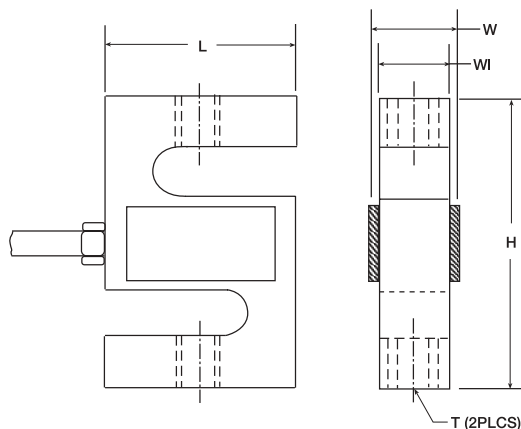
PSD, Compression Disk, Alloy Steel Page 197



Environmentally-protected low-profile compression disk. 2500 kg and 5000 kg models can also be used in tension loading applications. Shear web design provides excellent performance, low-profile feature makes it ideal for applications where height is critical. Capacities from 2500 kg to 25,000 kg (5512 to 55,116 lb). Integral 15.2 m/50' cable.



STC Low-Capacity S-Beam, Alloy Steel, IP67



RATED CAPACITY	H	L	DIMENSIONS T	W	W1
lb/inches 50-200	2.50	2.00	14/28 UNF	0.75	0.50
kg/mm 22.7-90.7	63.5	50.8	1/4-28 UNF	19.1	12.7

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V (50 lb capacity, 2.0 mV/V)
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, nickel plated
Temperature: Compensated range
0°F to 150°F/-18°C to 65°C
Safe Overload: 200% Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Nonlinearity: 0.03% Full scale
Hysteresis: 0.02% Full scale

Insulation Resistance: 2000 megohms
Seal Type: Environmentally-sealed, IP67
Cable Length: 10'/3.1 m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Warranty: 1-year limited warranty

STC ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50 lb (22.7 kg)	30044	\$165.00
100 lb (45.4 kg)	30045	\$165.00
150 lb (68.0 kg)	30046	\$165.00
200 lb (90.7 kg)	35787	\$165.00

INTERCHANGEABLE PRODUCTS

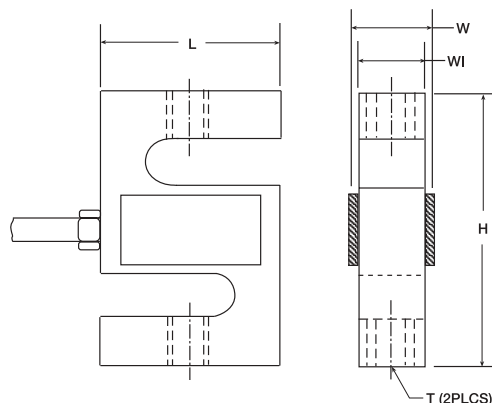
Manufacturer	Model
Rice Lake Weighing Systems	(see page 98) RL20000
Vishay Sensortronics	(see page 292) 60036

WEIGH MODULE AVAILABLE

Model	Page #
ITCM - Isolated Tension Cell Mount	354

STC S-Beam, Alloy Steel

NTEP 1:10,000 Class IIIL Single Cell, IP67



RATED CAPACITY	T	L	DIMENSIONS W	W1	H
lb/inches					
250	3/8-24 UNF	2.00	.75	.50	3.00
500-1500	1/2-20 UNF	2.00	1.00	.75	3.00
2000-3000	1/2-20 UNF	2.00	1.25	1.00	3.00
5000	3/4-16 UNF	3.00	1.25	1.00	4.25
10,000	3/4-16 UNF	3.00	1.25	1.00	4.75
15,000	1-14 UNS	3.95	1.50	1.25	5.50
20,000	1 1/4-12 UNF	4.94	2.19	1.94	7.00
40,000	1 1/2-12 UNF	6.00	2.75	2.50	10.00
kg/mm					
113.4	3/8-24 UNF	50.8	19.1	12.7	76.2
226.8-907.2	1/2-20 UNF	50.8	25.4	19.1	76.2
1134.0-1360.8	3/4-16 UNF	50.8	31.8	25.4	76.2
2268.0	1/2-20 UNF	76.2	31.8	25.4	107.9
4535.9	1/2-20 UNF	88.9	31.8	25.4	107.9
6803.9	1-14 UNS	100.3	38.1	31.8	139.7
9071.9	1 1/4-12 UNF	125.5	55.7	49.3	177.8
18,144.0	1 1/2-12 UNF	152.4	69.9	63.5	254.0

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V nominal
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, nickel plated
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Non-Repeatability: 0.01% Full scale
Combined Error: 0.02% Full scale

Insulation Resistance: 2000 megohms
Seal Type: Environmentally-sealed, IP67
Cable Length: 20'/6.1 m
Cable Color Code: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
Warranty: 1-year limited warranty

STC ORDER INFORMATION

Load Rating	Part #	Suggested List Price
250 lb (113.4 kg)	30047	\$195.00
500 lb (226.8 kg)	30051	\$195.00
750 lb (340.2 kg)	30054	\$195.00
1000 lb (453.6 kg)	30067	\$195.00
1500 lb (680.4 kg)	30069	\$195.00
2000 lb (907.2 kg)	30072	\$195.00
2500 lb (1134.0 kg)	30073	\$195.00
3000 lb (1360.8 kg)	30074	\$235.00
5000 lb (2268.0 kg)	30076	\$325.00
10,000 lb (4535.9 kg)	30077	\$325.00
15,000 lb (6803.9 kg)	30078	\$455.00
20,000 lb (9071.9 kg)	30079	\$685.00
*40,000 lb (18,144.0 kg)	46674	\$955.00

* Non-NTEP

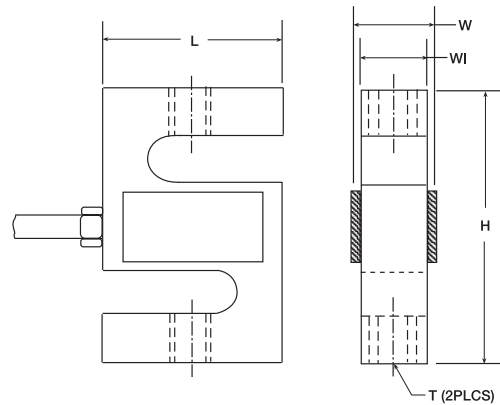
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 101) RL20001
Vishay Sensortronics	(see page 289) 60001

WEIGH MODULE AVAILABLE

Model	Page #
ITCM - Isolated Tension Cell Mount	354

STC SS S-Beam, Stainless Steel, IP67



RATED CAPACITY	T	L	DIMENSIONS W	W1	H
lb/inches					
250	3/8-24 UNF	2.00	.75	.50	3.00
500-1500	1/2-20 UNF	2.00	1.00	.75	3.00
2000-3000	1/2-20 UNF	2.00	1.25	1.00	3.00
5000	3/4-16 UNF	3.00	1.25	1.00	4.25
10,000	3/4-16 UNF	3.50	1.25	1.00	4.75
kg/mm					
113.4	3/8-24 UNF	50.8	19.1	12.7	76.2
226.8-907.2	1/2-20 UNF	50.8	25.4	19.1	76.2
1134.0-1360.8	1/2-20 UNF	50.8	31.8	25.4	76.2
2268.0	3/4-16 UNF	76.2	31.8	25.4	107.9
4535.9	3/4-16 UNF	88.9	31.8	25.4	139.7

SPECIFICATIONS:

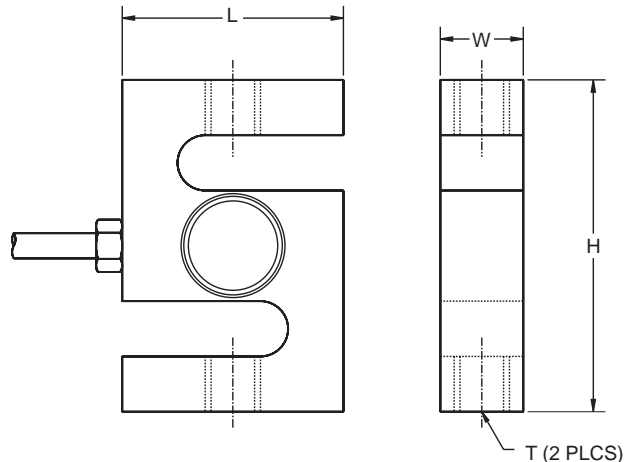
Full Scale Output:	3.0 mV/V nominal	Insulation Resistance:	2000 megohms
Bridge Resistance:	350 ohms, nominal	Seal Type:	Environmentally-sealed, IP67
Material/Finish:	Stainless steel	Cable Length:	20'/6.1 m
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Safe Overload:	150% Full scale	Warranty:	1-year limited warranty
Rated Excitation:	10V AC/DC (15V maximum)		
Nonlinearity:	0.03% Full scale		
Hysteresis:	0.02% Full scale		

STC SS ORDER INFORMATION		
Load Rating	Part #	Suggested List Price
250 lb (113.4 kg)	46659	\$295.00
500 lb (226.8 kg)	46661	\$295.00
750 lb (340.2 kg)	46662	\$295.00
1000 lb (453.6 kg)	46663	\$295.00
1500 lb (680.4 kg)	46664	\$295.00
2000 lb (907.2 kg)	46665	\$295.00
2500 lb (1134.0 kg)	46666	\$315.00
3000 lb (1360.8 kg)	46667	\$315.00
5000 lb (2268.0 kg)	46668	\$445.00
10,000 lb (4535.9 kg)	46669	\$455.00

INTERCHANGEABLE PRODUCTS	
Manufacturer	Model
Vishay Sensortronics	(see page 290) 60050

HTC SS S-Beam, Stainless Steel

Welded-seal, IP67



RATED CAPACITY	L	W	H	T
lb/inches				
500-3000	2.00	1.00	2.97	1/2-20 UNF
5000-10,000	3.00	1.00	4.25	3/4-16 UNF
kg/mm				
226.8-1360.8	50.8	25.4	75.4	1/2-20 UNF
2268.0-4536.0	76.2	25.4	107.9	3/4-16 UNF

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 14°F to 104°F/-107°C to 40°C
 Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Combined Error: 0.05%

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: 1-year limited warranty

HTC ORDER INFORMATION

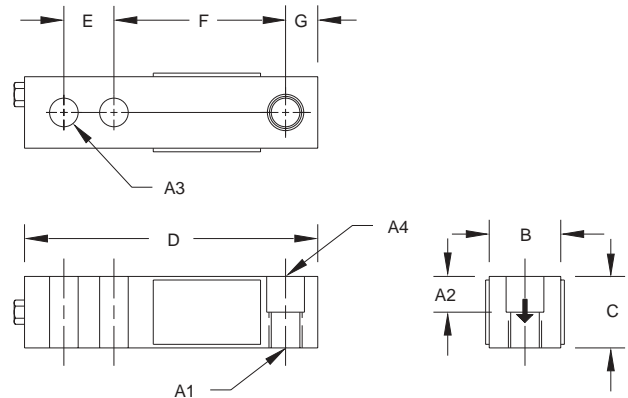
Load Rating	Part #	Suggested List Price
500 lb (226.8 kg)	69326	\$465.00
750 lb (340.0 kg)	69327	\$465.00
1000 lb (453.6 kg)	69328	\$465.00
1500 lb (680.4 kg)	69329	\$465.00
2000 lb (907.2 kg)	69330	\$465.00
2500 lb (1134.0 kg)	69331	\$465.00
3000 lb (1360.8 kg)	69332	\$495.00
5000 lb (2268.0 kg)	69333	\$695.00
10,000 lb (4536.0 kg)	69334	\$695.00

WEIGH MODULE AVAILABLE

Model	Page #
ITCM - Isolated Tension Cell Mount	354

SQB Single-Ended Shear Beam, Alloy Steel

NTEP 1:5000 Class III Multiple Cell, IP67



RATED CAPACITY	DIMENSIONS									
	A4	A2	A3	A1	B	C	D	E	F	G
lb/inches										
500	.53 DIA.	.50	.53	1/2-20 UNF-2B	1.25	1.00	5.12	1.00	3.00	.50
1000-5000SE	.53 DIA.	.62	.53	1/2-20 UNF-2B	1.25	1.25	5.12	1.00	3.00	.50
5000LE-10,000	.78 DIA.	.75	.78	3/4-16 UNF-2B	1.50	1.50	6.75	1.50	3.75	.75
15,000-20,000	1.03 DIA.	1.00	1.03	1-14 UNF-2B	2.00	2.00	8.88	2.00	4.88	1.00
kg/mm										
226.8	13.5 DIA.	12.7	13.5	1/2-20 UNF-2B	31.8	25.4	130.0	25.4	76.2	12.7
453.6-2268.0SE	13.5 DIA.	15.8	13.5	1/2-20 UNF-2B	31.8	31.8	130.0	25.4	76.2	12.7
2268.0LE-4535.9	19.8 DIA.	19.1	19.8	3/4-16 UNF-2B	38.1	38.1	171.5	38.1	95.3	19.1
6803.9-9071.9	26.2 DIA.	25.4	26.2	1-14 UNF-2B	50.8	50.8	225.6	50.8	124.0	25.4

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	High-alloy steel, nickel plated
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (15V maximum)
Combined Error:	0.02% Full scale
Insulation Resistance:	2000 megohms

Deflection at Capacity:	500-1000 lb = .013"/.31 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:	1-year limited warranty

SQB ORDER INFORMATION

Load Rating	Part #	Suggested List Price
NTEP 1:5000		
1000 lb (453.6 kg)	30106.....	\$195.00
2000 lb (907.2 kg)	30109.....	\$195.00
2500 lb (1134.0 kg)	30112.....	\$195.00
3000 lb (1360.8 kg)	30113.....	\$195.00
4000 lb (1814.4 kg)	30270.....	\$195.00
5000 lb-SE (2268.0 kg)	30114.....	\$195.00
5000 lb-LE (2268.0 kg)	30115.....	\$330.00
10,000 lb (4535.9 kg)	30117.....	\$330.00
Non-NTEP		
500 lb (226.8 kg)	30101.....	\$185.00
15,000 lb (6803.9 kg)	30118.....	\$430.00
20,000 lb (9071.9 kg)	30121.....	\$445.00

SE refers to small envelope
LE refers to large envelope

INTERCHANGEABLE PRODUCTS

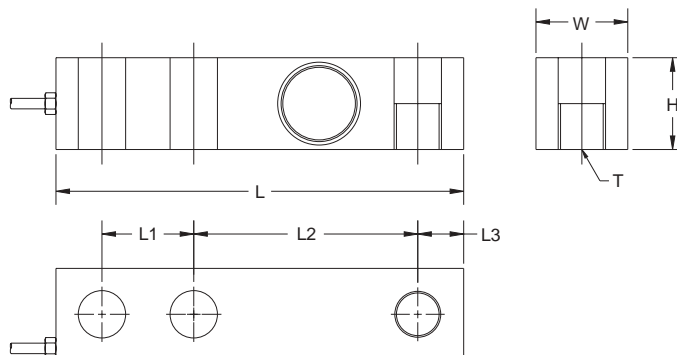
Manufacturer	Model
Rice Lake Weighing Systems	(see page 109) RL35023
Vishay Sensortronics	(see page 295) 65023

WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	30
RL1800 Series	40

SQB-HSS Single-Ended Shear Beam, Stainless Steel

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



RATED CAPACITY	L	L1	L2	L3	W	H	D	T
lb/inches								
1000-5000 SE	5.12	1.00	3.00	.50	1.25	1.25	.53	1/2-20UNF
5000-10,000	6.75	1.50	3.75	.75	1.50	1.50	.78	3/4-16UNF
kg/mm								
453.6-2268.0	130.2	25.4	76.2	12.7	31.7	31.7	13.5	—
2268.0-4536.0	171.5	38.1	95.3	19.0	38.1	38.1	19.8	—

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
 Safe Overload: 150% Full Scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Combined Error: .02 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
 Warranty: 1-year limited warranty

SQB-HSS ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	67118	\$325.00
2000 lb (907.2 kg)	67119	\$325.00
2500 lb (1134.0 kg)	67120	\$325.00
3000 lb (1360.8 kg)	67121	\$325.00
4000 lb (1814.4 kg)	67122	\$325.00
5000 lb SE (2268.0 kg)	67123	\$325.00
5000 lb (2268.0 kg)	67124	\$425.00
10,000 lb (4535.9 kg)	67125	\$425.00

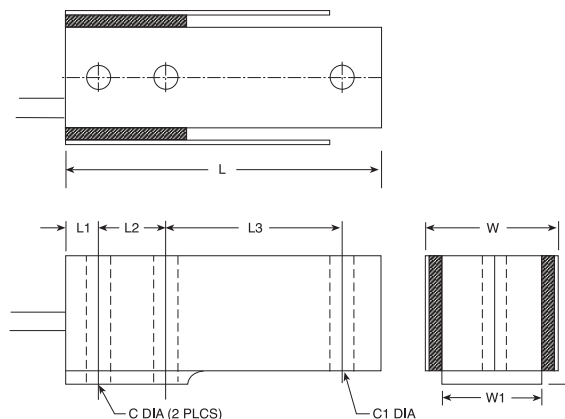
Conduit Adapter, 1/4-18 NPT 66544.....\$35.00

SE refers to small envelope

WEIGH MODULE AVAILABLE

Model	Page #
RL1800 Series	40

MBB Single-Ended Beam, Alloy Steel



RATED CAPACITY	C	C1	W	DIMENSIONS					
				W1	H	L	L1	L2	L3
lb/inches									
50-150	0.172	0.172	0.70	0.50	1.00	2.38	0.25	0.50	1.31
250	0.172	0.172	1.00	0.75	1.00	2.38	0.25	0.50	1.31
kg/mm									
22.7-68.0	4.37	4.37	17.8	12.7	25.4	60.5	6.4	12.7	33.3
113.4	4.37	4.37	25.4	19.1	25.4	60.5	6.4	12.7	33.3

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, nickel plated
Temperature: Compensated range
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: 0.02% Full scale

Insulation Resistance: 2000 megohms
Seal Type: Environmentally-sealed
Cable Length: 3'/0.9 m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Warranty: 1-year limited warranty

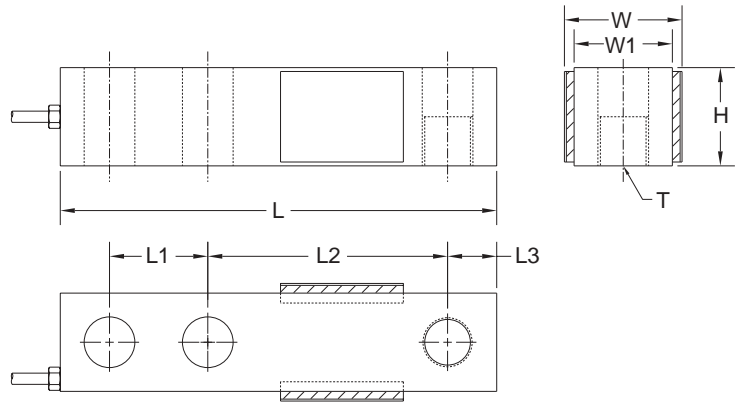
MBB ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50 lb (22.7 kg)	30130.....	\$195.00
100 lb (45.4 kg)	30131.....	\$195.00
150 lb (68.0 kg)	30132.....	\$195.00
250 lb (113.4 kg)	35786.....	\$195.00

INTERCHANGEABLE PRODUCT INFORMATION

Manufacturer	Model
Vishay Sensortronics	(see page 300) 65007
Interface®	MB
Revere Transducers.....	CBU

SEB Single-Ended Beam, Alloy Steel, IP67



RATED CAPACITY	L	L1	L2	DIMENSIONS L3	W	W1	H	D	T
kg-t/inches 500 kg-2.5 t	5.12	1.00	3.00	.50	1.50	1.25	1.25	.53	1/2-20 UNF
kg-t/mm 500 kg-2.5 t	130.0	25.4	76.2	12.7	38.1	31.75	31.75	13.4	1/2-20 UNF

SPECIFICATIONS:

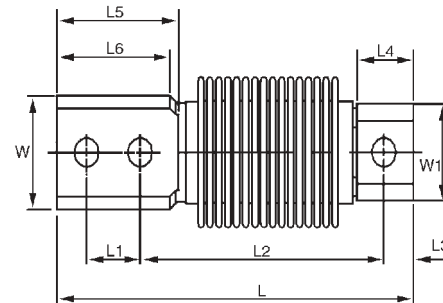
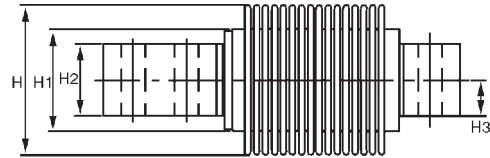
Full Scale Output:	3.0 mV/V	Insulation Resistance:	5000 megohms
Bridge Resistance:	350 ohms, nominal	Seal Type:	Environmentally-sealed, IP67
Material/Finish:	High-alloy steel, nickel plated	Cable Length:	20'/6.1 m
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Safe Overload:	150% Full scale	Warranty:	1-year limited warranty
Rated Excitation:	10V AC/DC (15V maximum)		
Combined Error:	0.025%		

SEB ORDER INFORMATION

Load Rating	Part #	Suggested List Price
500 kg.....	69315.....	\$215.00
1 t.....	69316.....	\$215.00
1.5 t.....	69317.....	\$215.00
2 t.....	69318.....	\$215.00
2.5 t.....	69319.....	\$215.00

HBB Single-Ended Beam, Stainless Steel

Welded-seal, IP67



RATED CAPACITY	DIMENSIONS												
	L	L1	L2	L3	L4	L5	L6	H	H1	H2	H3	W	W1
kg/mm 10-250	120.0	18.0	82.0	10.0	19.0	41.0	38.0	41.6	28.2	20.0	10.0	31.5	26.6
lb/inches 500-3000	4.72	.70	3.22	.39	.74	1.61	1.49	1.63	1.11	.78	.39	1.24	1.04

SPECIFICATIONS:

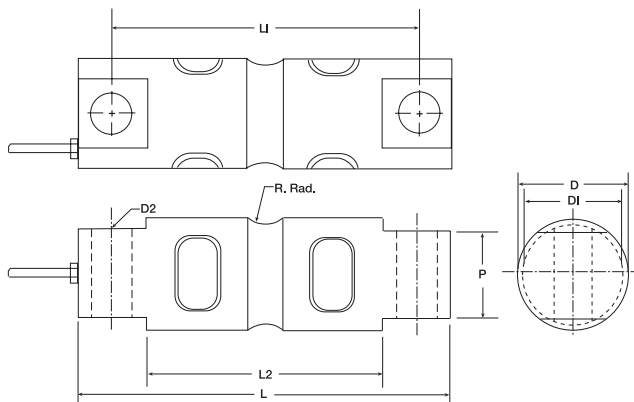
Full Scale Output:	2.0 mV/V	Seal Type:	Welded-seal, IP67
Bridge Resistance:	350 ohms, nominal	Cable Length:	3.1 m/10'
Material/Finish:	Stainless steel	Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal Brown + Signal Yellow - Signal
Temperature:	Compensated range 14°F to 104°F/-107°C to 40°C	Warranty:	1-year limited warranty
Safe Overload:	150% Full scale		
Rated Excitation:	10V AC/DC (15V maximum)		
Combined Error:	0.03%		
Insulation Resistance:	5000 megohms		

HBB ORDER INFORMATION		
Load Rating	Part #	Suggested List Price
10 kg (22.0 lb)	69320.....	\$495.00
20 kg (44.1 lb)	69321.....	\$495.00
50 kg (110.2 lb)	69322.....	\$495.00
100 kg (220.5 lb)	69323.....	\$495.00
200 kg (441.0 lb)	69324.....	\$495.00
250 kg (551.2 lb)	69325.....	\$495.00

INTERCHANGEABLE PRODUCTS	
Manufacturer	Model
Rice Lake Weighing Systems	(see page 125) RLHBB
HBM	(see page 230) Z6
Revere Transducers.....	(see page 260) SHB
Vishay TedeA-Huntleigh	(see page 328) 355

CSB Double-Ended Shear Beam, Alloy Steel

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



RATED CAPACITY	DIMENSIONS							
	L	L1	L2	D	D1	D2	P	R
lb/inches								
5000-20,000	8.12	6.88	5.24	1.83	1.61	.66	1.12	.50
30,000-60,000	10.25	8.50	6.49	3.20	2.93	1.06	2.37	1.00
100,000	11.25	9.50	7.49	3.75	3.24	1.06	2.50	1.00
150,000	11.25	9.50	7.49	3.90	3.64	1.06	2.80	1.50
kg/mm								
2268.0-9071.9	206.3	174.8	133.1	46.5	41.0	16.8	28.5	12.7
13,607.8-27,215.6	260.4	215.9	164.8	81.3	74.5	26.9	60.2	25.4
45,359.4	285.8	241.3	190.2	95.3	88.7	26.9	63.5	25.4
68,040.0	285.8	241.3	190.2	99.1	92.5	26.9	71.1	38.1

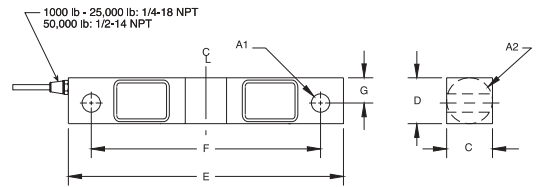
SPECIFICATIONS:

Full Scale Output:	3.0 mV/V	Insulation Resistance:	5000 megohms
Bridge Resistance:	700 ohms, nominal	Seal Type:	Environmentally-sealed, IP67
Material/Finish:	High-alloy steel, nickel plated	Cable Length:	30'/9.1 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
Safe Overload:	150% Full scale	Warranty:	1-year limited warranty
Rated Excitation:	10V AC/DC (15V maximum)		
Combined Error:	0.25% Full scale		
Non-Repeatability:	0.02% Full scale		

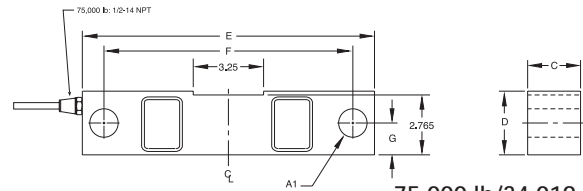
CSB ORDER INFORMATION

Load Rating	Part #	Suggested List Price
5000 lb (2268.0 kg)	42120.....	\$635.00
10,000 lb (4536.0 kg)	42121.....	\$635.00
20,000 lb (9072.0 kg)	42122.....	\$635.00
30,000 lb (13,608.0 kg)	42123.....	\$735.00
40,000 lb (18,144.0 kg)	42124.....	\$735.00
50,000 lb (22,679.6 kg)	42125.....	\$815.00
60,000 lb (27,216.0 kg)	42126.....	\$815.00
100,000 lb (45,360.0 kg)	42127.....	\$1,410.00
150,000 lb (68,040.0 kg)	46683.....	\$1,610.00

DSR Double-Ended Shear Beam, Alloy Steel, IP67



1000-50,000 lb/ 453.6-22,679.6 kg



75,000 lb/34,019.5 kg

RATED CAPACITY	A1	A2	DIMENSIONS C	D	E	F	G
lb/inches							
1000-5000	.50	1.25	1.25	1.25	7.50	6.25	.69
10,000-25,000	.81	1.99	1.44	1.94	8.75	7.50	.96
50,000	1.31	3.00	2.44	2.94	13.50	11.50	1.50
75,000	1.31	-	2.44	2.94	13.50	11.50	1.47
kg/mm							
453.6-2268.0	12.7	31.8	31.8	31.8	190.5	158.8	17.5
4535.9-11,339.8	20.6	50.8	36.6	49.3	222.3	190.5	24.4
22,679.7	33.3	76.2	62.0	74.7	342.9	292.1	38.1
34,019.5	33.3	-	62.0	74.7	342.9	292.1	37.3

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
Bridge Resistance: 700 ohms, nominal
Material/Finish: High-alloy steel, nickel plated
Temperature: Compensated range 0°F to 150°F/-18°C to 65°C
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (25V maximum)
Nonlinearity: 0.03% Full scale
Hysteresis: 0.02% Full scale
Insulation Resistance: 2000 megohms

Deflection at Capacity: 1000-3000 lb = .01"/3.1 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: 1-year limited warranty

DSR ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	30080.....	\$495.00
1500 lb (680.4 kg)	30081.....	\$495.00
2000 lb (907.2 kg)	30088.....	\$495.00
2500 lb (1134.0 kg)	30089.....	\$495.00
3000 lb (1360.8 kg)	30091.....	\$495.00
5000 lb (2268.0 kg)	30094.....	\$495.00
10,000 lb (4535.9 kg)	30095.....	\$575.00
15,000 lb (6803.9 kg)	30096.....	\$575.00
20,000 lb (9071.9 kg)	30097.....	\$575.00
25,000 lb (11,339.8 kg)	30098.....	\$575.00
50,000 lb (22,679.6 kg)	30099.....	\$825.00
*75,000 lb (34,019.5 kg)	30100.....	\$825.00

* 75,000 lb capacity has a square center

INTERCHANGEABLE PRODUCTS

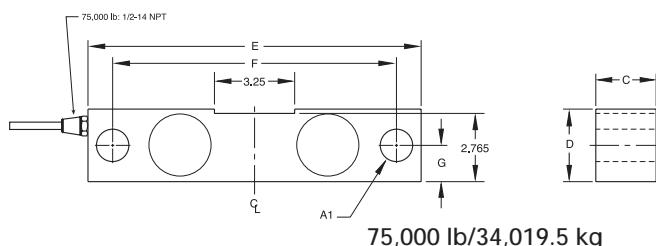
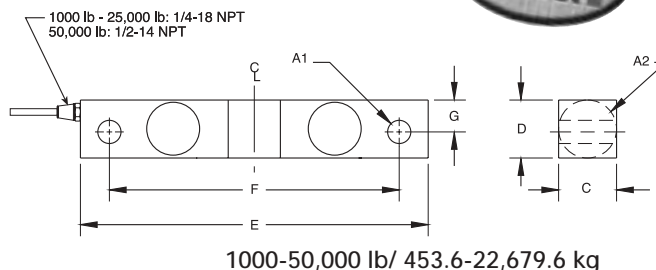
Manufacturer	Model
Rice Lake Weighing Systems	(see page 135) RL75016
Vishay Sensortronics	(see page 311) 65016
Revere Transducers.....	5203

WEIGH MODULE AVAILABLE

Model	Page #
RL1600 Series	62 and 64

DSR-HSS Double-Ended Shear Beam

Stainless Steel, Welded-seal, IP67



RATED CAPACITY	A1	A2	DIMENSIONS C	D	E	F	G
lb/inches							
1000-5000	.50	1.25	1.25	1.25	7.50	6.25	.69
10,000-25,000	.81	1.99	1.44	1.94	8.75	7.50	.96
50,000	1.31	3.00	2.44	2.94	13.50	11.50	1.50
75,000	1.31	—	2.44	2.94	13.50	11.50	1.47
kg/mm							
453.6-2268.0	12.7	31.8	31.8	31.8	190.5	158.8	17.5
4535.9-11,339.8	20.6	50.8	36.6	49.3	222.3	190.5	24.4
22,679.7	33.3	76.2	62.0	74.7	342.9	292.1	38.1
34,019.5	33.3	—	62.0	74.7	342.9	292.1	37.3

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
 Bridge Resistance: 700 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range 0°F to 150°F/-18°C to 65°C
 Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (25V maximum)
 Nonlinearity: 0.03% Full scale
 Hysteresis: 0.02% Full scale
 Insulation Resistance: 2000 megohms

Deflection at Capacity: 1000-3000 lb = .01"/3.1 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: Welded-seal, IP67
 Cable Length: 25'/7.6 m
 Cable Color Code: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
 Warranty: 1-year limited warranty

DSR-HSS ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	76544	\$535.00
1500 lb (680.4 kg)	76545	\$535.00
2000 lb (907.2 kg)	76546	\$535.00
2500 lb (1134.0 kg)	76547	\$535.00
3000 lb (1360.8 kg)	76548	\$535.00
5000 lb (2268.0 kg)	76549	\$535.00
10,000 lb (4535.9 kg)	76550	\$600.00
15,000 lb (6803.9 kg)	76551	\$600.00
20,000 lb (9071.9 kg)	76552	\$600.00
25,000 lb (11,339.8 kg)	76553	\$600.00
50,000 lb (22,679.6 kg)	76554	\$1,125.00
*75,000 lb (34,019.5 kg)	76555	\$1,125.00

* 75,000 lb capacity has a square center

INTERCHANGEABLE PRODUCTS

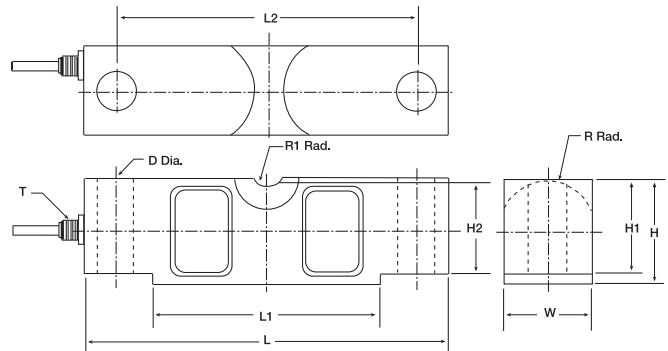
Manufacturer	Model
Rice Lake Weighing Systems(see page 136) RL75016 SS
Vishay Sensortronics(see page 312) 65016W
Revere Transducers5203

WEIGH MODULE AVAILABLE

Model	Page #
RL1600 Series62 and 64

CLB Double-Ended Beam, Alloy Steel

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



RATED CAPACITY	L	L1	L2	W	H	H1	H2	D	R	R1	T
lb/inches											
20,000-25,000	7.75	4.99	6.50	1.69	1.94	1.70	1.63	.68	.90	.75	1/4-18NPT
40,000	10.25	6.39	8.50	1.94	2.44	2.10	2.00	.81	1.12	1.00	1/4-18NPT
50,000-75,000	10.25	6.39	8.50	2.44	2.94	2.65	2.54	1.06	1.37	1.00	1/2-14NPT
100,000-125,000	15.25	8.99	12.75	2.90	3.86	2.43	3.30	1.62	1.80	1.50	1/2-14NPT
kg/mm											
9072.0-11,340.0	196.9	126.7	165.1	42.9	49.3	43.2	41.4	17.3	22.9	19.1	1/4-18NPT
18,144.0	260.4	162.3	215.9	49.3	62.0	53.3	50.8	20.6	28.5	25.4	1/4-18NPT
22,680.0-34,020.0	260.4	162.3	215.9	62.0	74.7	67.3	64.5	26.9	34.8	25.4	1/2-14NPT
45,360.0-56,700.0	387.4	228.4	323.9	73.7	98.0	87.1	83.8	41.2	45.7	38.1	1/2-14NPT

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
 Bridge Resistance: 700 ohms, nominal
 Material/Finish: High-alloy steel, nickel plated
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Combined Error: 0.025%

Insulation Resistance: 5000 megohms
 Seal Type: Environmentally-sealed, IP67
 Cable Length: 35'/10.6 m
 Cable Color Code: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
 Warranty: 1-year limited warranty

CLB ORDER INFORMATION

Load Rating	Part #	Suggested List Price
20,000 lb (9071.9 kg)	46675.....	\$610.00
25,000 lb (11,339.8 kg)	46676.....	\$625.00
40,000 lb (18,144.0 kg)	46677.....	\$745.00
50,000 lb (22,679.6 kg)	46678.....	\$810.00
60,000 lb (27,216.0 kg)	46679.....	\$810.00
75,000 lb (34,019.5 kg)	46680.....	\$810.00
100,000 lb (45,360.0 kg)	46681.....	\$1,475.00
125,000 lb (56,700.0 kg)	46682.....	\$1,475.00

INTERCHANGEABLE PRODUCTS

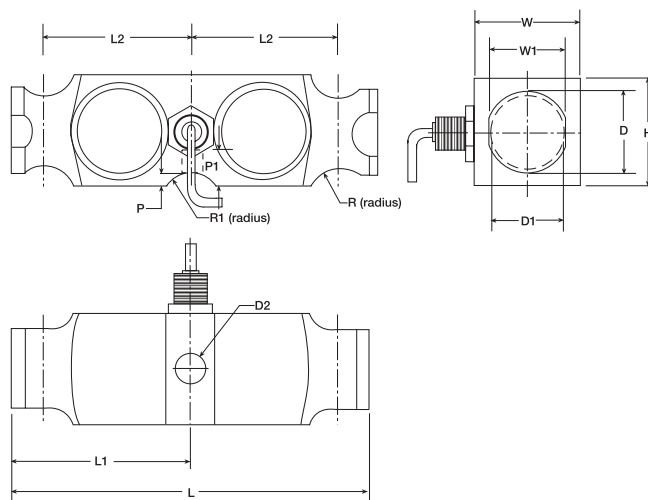
Manufacturer	Model
Rice Lake Weighing Systems	(see page 138) RL75058
Vishay Sensortronics	(see page 314) 65058

WEIGH MODULE AVAILABLE

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

HED Double-Ended Beam, Alloy Steel

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



RATED CAPACITY	DIMENSIONS												
	L	L1	L2	W	W1	H	D	D1	P	P1	R	R1	T
lb/inches													
50,000-100,000	10.25	5.13	4.25	3.00	2.20	3.00	2.40	2.06	.28	.96	1.00	1.00	1/2-14NPT
kg/mm													
22,680.0-45,360.0	260.4	130.2	107.9	76.2	55.9	76.2	61.0	52.3	7.1	24.4	25.4	25.4	1/2-14NPT

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V
Bridge Resistance:	700 ohms, nominal
Material/Finish:	High-alloy steel, nickel plated
Temperature:	Operating range -4°F to 140°F/-20°C to 60°C Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (20V maximum)
Non-Repeatability:	0.02% Full Scal

Combined Error:	0.025% Full Scale
Insulation Resistance:	5000 Ohms
Deflection at Cap:	<0.4 mm
Seal Type:	Welded-seal, IP67
Cable Length:	50'/15.2 m
Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Warranty:	1-year limited warranty

HED ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50,000 lb (22,679.6 kg)	46691	\$850.00
65,000 lb (29,484.0 kg)	46692	\$850.00
100,000 lb (45,360.0 kg)	46693	\$1,165.00

INTERCHANGEABLE PRODUCTS

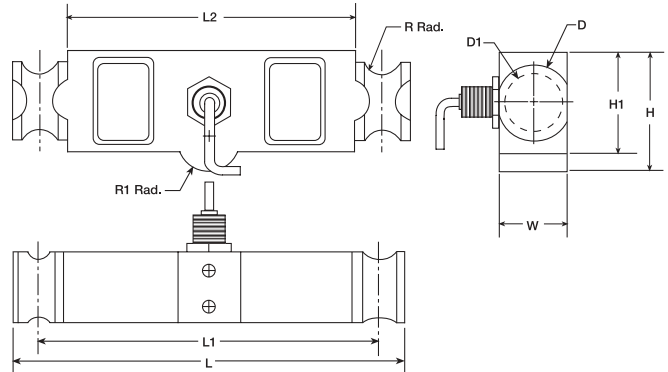
Manufacturer	Model
Rice Lake Weighing Systems.....	(see page 140) RL75223
Revere Transducers.....	(see page 264) 5223
Thurman	TSC 800

WEIGH MODULE AVAILABLE

Model	Page #
Translink	78

DLB Double-Ended Beam, Alloy Steel

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



RATED CAPACITY	L	L1	L2	DIMENSIONS						
				W	H	H1	D	D1	R	R1
lb/inches										
25,000-40,000	8.25	7.25	6.25	1.94	2.97	2.44	2.00	1.63	.50	.50
50,000-75,000	11.50	10.00	8.50	1.94	3.47	2.94	2.20	1.70	.75	1.00
100,000-125,000	14.50	12.50	10.5	2.90	4.68	3.86	3.20	2.44	1.00	1.50
kg/mm										
11,339.8-18,144.0	209.6	184.2	158.8	49.3	75.5	62.0	50.8	41.4	12.7	12.7
22,679.6-34,019.5	292.1	254.0	215.9	49.3	88.2	74.7	55.9	43.2	19.1	25.4
45,360.0-56,700.0	368.3	317.5	266.7	73.7	118.9	98.0	81.3	62.0	25.4	38.1

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
 Bridge Resistance: 700 ohms, nominal
 Material/Finish: High-alloy steel, nickel plated
 Temperature: Operating range
 -4°F to 140°F/-20°C to 60°C
 Compensated range
 14°F to 104°F/-10°C to 40°C
 Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (15V maximum)

Combined Error: 0.025% Full Scale
 Insulation Resistance: 5000 megohms
 Seal Type: Environmentally-sealed, IP67
 Cable Length: 35'/10.6 m
 Cable Color Code: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
 Warranty: 1-year limited warranty

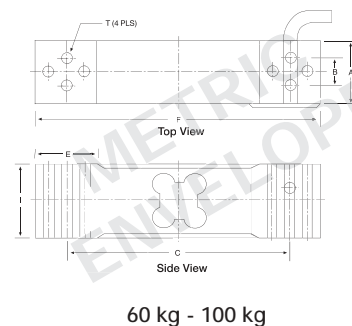
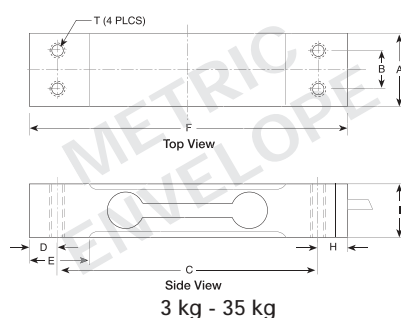
DLB ORDER INFORMATION		
Load Rating	Part #	Suggested List Price
25,000 lb (11,339.8 kg)	46684	\$615.00
40,000 lb (18,144.0 kg)	46685	\$740.00
50,000 lb (22,679.6 kg)	46686	\$825.00
60,000 lb (27,216.0 kg)	46687	\$825.00
75,000 lb (34,019.5 kg)	46688	\$825.00
100,000 lb (45,360.0 kg)	46689	\$1,475.00
125,000 lb (56,700.0 kg)	46690	\$1,475.00

INTERCHANGEABLE PRODUCTS	
Manufacturer	Model
Rice Lake Weighing Systems	(see page 141) RL75040
Vishay Sensortronics	(see page 317) 65040A
Thurman	TSC 840

WEIGH MODULE AVAILABLE	
Model	Page #
Translink	78

LPS Single Point, Aluminum

NTEP 1:5000 Class III Single Cell



RATED CAPACITY	DIMENSIONS								
	A	B	C	D	E	F	H	I	T
kg/mm									
3	15.0	7.0	58.0	6.0	12.0	70.0	6.0	22.0	M3 THRU
6-20	30.0	15.0	106.0	12.0	25.0	130.0	12.0	22.0	M6 THRU
30-35	40.0	15.0	106.0	12.0	25.0	130.0	12.0	22.0	M6 THRU
60-100	35.0	15.0	117.0	N/A	33.0	150.0	N/A	40.0	M6 THRU
lb/inches									
6.6	0.59	0.28	2.28	0.24	0.47	2.76	0.24	0.87	M3 THRU
13.2-44.1	1.18	0.59	4.17	0.47	0.98	5.12	0.47	0.87	M6 THRU
66.2-77.2	1.57	0.59	4.17	0.47	0.98	5.12	0.47	0.87	M6 THRU
132.3-220.5	1.38	0.59	4.61	N/A	1.30	5.91	N/A	1.57	M6 THRU

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Aluminum
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (15V maximum)
Combined Error:	0.25% Full scale
Non-Repeatability:	0.02%

Insulation Resistance:	2000 megohms
Seal Type:	Environmentally-sealed
Cable Length:	450 mm/17.8"
Cable Color Code:	Red + Excitation Blue - Excitation Green + Signal White - Signal
Warranty:	1-year limited warranty

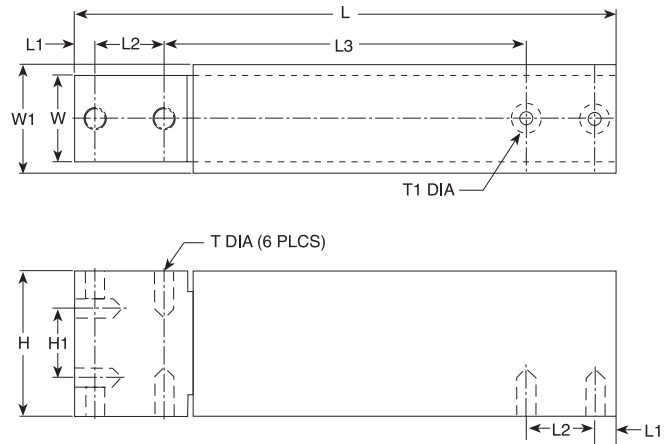
LPS ORDER INFORMATION

Load Rating	Part #	Suggested List Price
NTEP 1:5000		
3 kg (6.6 lb)	41822	\$130.00
6 kg (13.2 lb)	41823	\$130.00
10 kg (22.0 lb)	41824	\$130.00
15 kg (33.1 lb)	41825	\$130.00
20 kg (44.1 lb)	41826	\$130.00
Non-NTEP		
3 kg (6.6 lb)	30143	\$120.00
10 kg (22.0 lb)	30145	\$120.00
15 kg (33.1 lb)	30146	\$120.00
20 kg (44.1 lb)	30147	\$120.00
30 kg (66.2 lb)	46502	\$120.00
35 kg (77.2 lb)	30148	\$120.00
60 kg (132.3 lb)	41149	\$120.00
100 kg (220.5 lb)	41150	\$120.00

INTERCHANGEABLE PRODUCT INFORMATION

Manufacturer	Model
Rice Lake Weighing Systems	(see page 146) RL1521A
Vishay BLH	C2G1
NMB	C2G1
Vishay Tedea-Huntleigh	(see page 329) 1022

LOC Single Point, Aluminum NTEP 1:5000 Class III Single Cell



RATED CAPACITY	DIMENSIONS									
	H	H1	L	L1	L2	L3	T	T1	W	W1
kg/mm										
5-100	40.0	19.0	150.0	6.0	19.0	100.0	1/4-20 UNC	1/4-28 UNF	30.0	25.0
lb/inches										
11.0-220.5	1.57	.75	5.91	.24	.75	3.94	1/4-20 UNC	1/4-28 UNF	1.18	1.00

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Aluminum
Temperature: Compensated range
14°F to 104°F/-10°C to 40°C
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Combined Error: 0.25% Full scale

Non-repeatability: 0.02%
Insulation Resistance: 2000 megohms
Seal Type: Environmentally-sealed
Cable Length: 1 m/3.3'
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Warranty: 1-year limited warranty

LOC ORDER INFORMATION

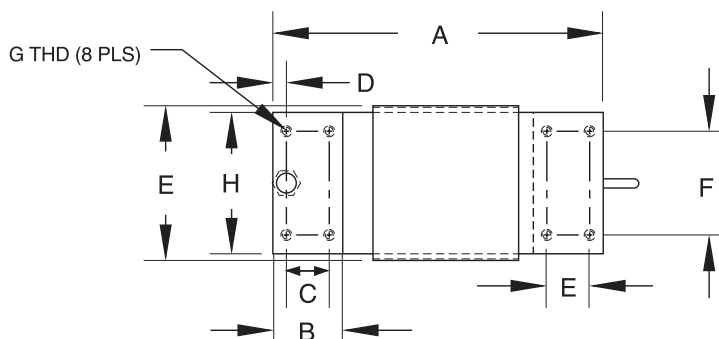
Load Rating	Part #	Suggested List Price
NTEP 1:5000		
5 kg (11 lb)	39810.....	\$175.00
7 kg (15.4 lb)	39809.....	\$175.00
10 kg (22.0 lb)	39808.....	\$175.00
15 kg (33.1 lb)	39807.....	\$175.00
20 kg (44.1 lb)	39806.....	\$175.00
30 kg (66.1 lb)	39805.....	\$175.00
50 kg (110.2 lb)	39804.....	\$175.00
100 kg (220.5 lb)	39803.....	\$175.00
Non-NTEP		
5 kg (11 lb)	30134.....	\$150.00
7 kg (15.4 lb)	30135.....	\$150.00
10 kg (22.0 lb)	30136.....	\$150.00
15 kg (33.1 lb)	30137.....	\$150.00
20 kg (44.1 lb)	30138.....	\$150.00
30 kg (66.1 lb)	30139.....	\$150.00
50 kg (110.2 lb)	30140.....	\$150.00
100 kg (220.5 lb)	30141.....	\$150.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 150) RL1040
Vishay TedeA-Huntleigh	(see page 334) 1040

LOC Single Point, Aluminum, Heavy Capacity

NTEP 1:5000 Class III Single Cell



RATED CAPACITY	A	B	C	D	E	F	G	H
kg/mm								
100 - 500	191.0	–	25.0	11.0	82.0	60.0	5/16-18UNC X 20 DP	75.0
lb/inches								
220.5 - 1102.5	7.52	–	.98	.31	3.23	2.36	5/16-18UNC X 0.59 DP	2.95

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Aluminum
Temperature: Compensated temperature range
14°F to 104°F/-10°C to 40°C
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Combined Error: 0.025% Full scale
Non-Repeatability: 0.02%

Insulation Resistance: 5000 megohms
Seal Type: Environmentally-sealed
Cable Length: 1 m/3.3' (100 kg)
2 m/6.6' (150-500 kg & 100 -500 kg)
Cable Color Code:
Green + Excitation
Black – Excitation
Blue + Sense
Brown – Sense
Red + Signal
White – Signal
Warranty: 1-year limited warranty

LOC ORDER INFORMATION

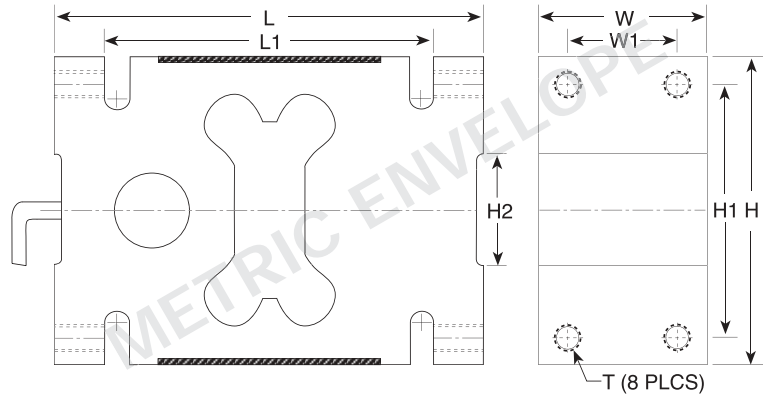
Load Rating	Part #	Suggested List Price
100 kg (220.5 lb)	39797.....	\$295.00
150 kg (330.7 lb)	39796.....	\$295.00
250 kg (551.2 lb)	39795.....	\$295.00
300 kg (661.4 lb)	39794.....	\$295.00
500 kg (1102.3 lb)	39793.....	\$295.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 155) RL1250
Vishay Tedeo-Huntleigh	(see page 341) 1250
Revere Transducers.....	(see page 278) 652
Flintec	(see page 212) PCB*

* Stainless steel, Hermetically-sealed

HOC Single Point, Aluminum



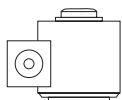
RATED CAPACITY	DIMENSIONS							
	H	H1	H2	L	L1	T	W	W1
kg/mm								
750-2000	126.0	95.0	45.0	176.0	135.0	M16X2-6H	76.0	46.0
lb/inches								
1653.8-4409.2	4.96	3.74	1.77	6.93	5.31	M16X2-6H	2.99	1.81

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Seal Type:	Environmentally-sealed, potted
Bridge Resistance:	350 ohms, nominal	Cable Length:	6 m/19.7'
Material/Finish:	Anodized aluminum	Cable Color Code:	Green + Excitation Black - Excitation Blue + Sense Brown - Sense Red + 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:	10V AC/DC (15V maximum)		
Total Error:	0.02% Full scale		
Insulation Resistance:	5000 megohms		

HOC ORDER INFORMATION		
Load Rating	Part #	Suggested List Price
750 kg (1653.8 lb)	42117	\$400.00
1000 kg (2205.0 lb)	42118	\$400.00
2000 kg (4410.0 lb)	42119	\$400.00

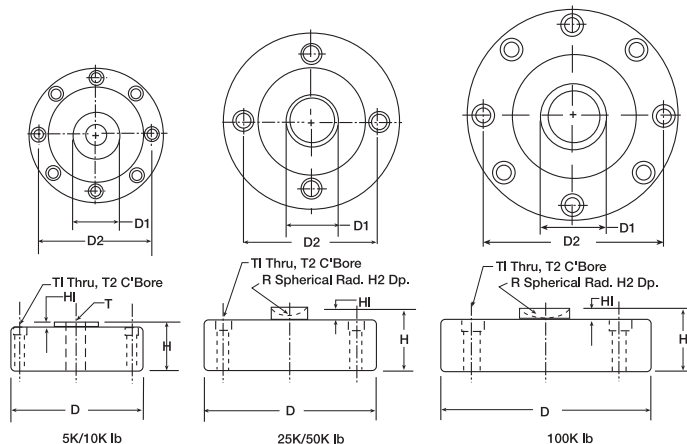
INTERCHANGEABLE PRODUCTS	
Manufacturer	Model
Vishay Tedea-Huntleigh	(see page 342) 1320



LCD Compression* Disk, Alloy Steel



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



RATED CAPACITY	DIMENSIONS								
	T	R	D	D2	H	H1	H2	T1	T2
lb/inches									
5,000-10,000	5/8-18 UNF-3B	—	4.12	3.50	1.37	.12	—	.28	.406 x .283 DP
25,000-50,000	—	.875	4.75	4.00	2.12	.50	.30	.34	.508 x .38 DP
100,000	—	.875	5.50	4.60	2.25	.25	.30	.41	.626 x .4 DP
kg/mm									
2268.0*-4539.9*	5/8-18 UNF-3B	—	104.6	34.8	34.8	3.05	7.6	7.2	10.3 x 7.2 DP
11,339.8-22,679.7	—	22.2	120.7	101.6	53.8	12.7	12.7	8.7	12.9 x 9.7 DP
45,359.4	—	22.2	139.7	116.8	57.2	6.4	7.6	10.3	10.3 x 10.2 DP

SPECIFICATIONS:

Full Scale Output: 4.0 mV/V
 Bridge Resistance: 350 ohms (100,000lb=700 ohms), nominal
 Material/Finish: High-alloy steel, nickel plated
 Temperature: Compensated range 0°F to 150°F/-18°C to 65°C
 Safe Overload: 150% Full scale
 Rated Excitation: 15V DC (25V maximum)
 Nonlinearity: 0.05% Full scale

Hysteresis: 0.02% Full scale
 Insulation Resistance: 2000 megohms
 Seal Type: Environmentally-sealed
 Cable Length: 50'/15.2 m
 Cable Color Code: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
 Warranty: 1-year limited warranty

LCD ORDER INFORMATION

Load Rating	Part #	Suggested List Price
*5000 lb (2268.0 kg)	41966.....	\$600.00
*10,000 lb (4535.9 kg)	41967.....	\$600.00
25,000 lb (11,339.8 kg)	41968.....	\$775.00
50,000 lb (22,679.7 kg)	41969.....	\$775.00
100,000 lb (45,359.4 kg)	41970.....	\$920.00

*Load Cup 33616.....\$35.00

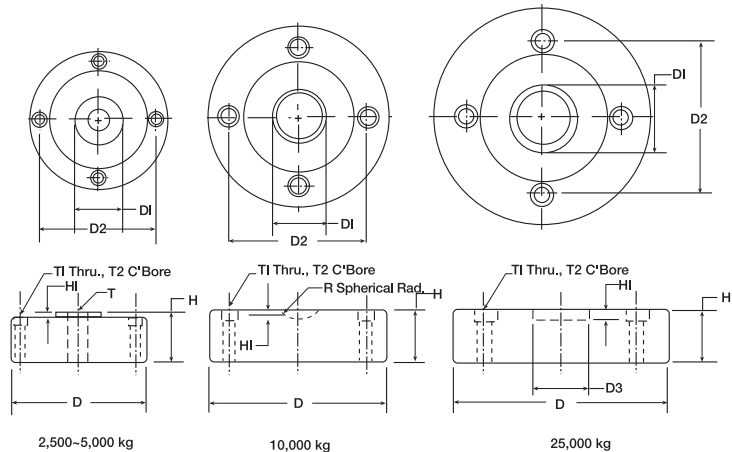
* 5000 lb and 10,000 lb models can be used in compression and tension load applications. Load cup, part #33616, is required for compression applications on 5000 lb and 10,000 lb capacity load cells

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 145) RL90000

PSD Compression* Disk, Alloy Steel

OIML, C3



RATED CAPACITY

kg/mm
2500-5,000
10,000
25,000

T

R

D

DIMENSIONS

D1

D2

D3

H

H1

T1

T2

M16 x 1.5	—	104.7	32.0	88.9	—	34.8	3.05	7.2	10.5 X 7.2DP
—	22.2	138.0	38.9	106.4	—	41.1	7.62	8.7	13.5 X 9.7DP
—	—	165.0	50.4	116.8	42.0	41.1	8.0	10.3	0.63 X 0.40DP

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V	Hysteresis:	0.02% Full scale
Bridge Resistance:	350 ohms, nominal	Insulation Resistance:	2000 megohms
Material/Finish:	High-alloy steel, nickel plated	Seal Type:	Environmentally-sealed
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Cable Length:	15.2 m/50'
Safe Overload:	150% Full scale	Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Rated Excitation:	10V DC (15V maximum)	Warranty:	2 years
Nonlinearity:	0.05% Full scale		

PSD ORDER INFORMATION

Load Rating	Part #	Suggested List Price
2500 kg* (5512 lb)	46670	\$700.00
5000 kg* (11,023 lb)	46671	\$700.00
10,000 kg (22,046 lb)	46672	\$875.00
25,000 kg (55,116 lb)	46673	\$875.00

* 2500 kg and 5000 kg models can be used in compression and tension load applications

S-Beams

UB1, Stainless Steel Page 202



The UB1 stainless steel S-beam is designed for single- or multiple-cell tension load applications. Millivolt/volt/ohm factory calibration assures matched outputs for easy calibration in multiple-cell applications. It features true hermetic sealing of both the strain gauge area and the cable entry, providing the ultimate in protection from outside elements. Exclusive 20' / 6.1 m field-replaceable load cell cable simplifies cable and load cell repairs. Capacities from 1125 to 11,250 lb (1 kN to 50 kN/102.1 to 5102.9 kg).



UB6, Stainless Steel Page 203



The UB6 stainless steel S-beam is designed to meet the most stringent accuracy requirements. Exclusive 10' / 3.1 m field-replaceable load cell cable simplifies cable and load cell repairs. Capacities from 225 to 1125 lb (1 kN to 5 kN/102.1 to 510.3 kg).



Single-Ended Beams

SLB, Stainless Steel Page 204



This stainless steel single-ended beam has one of the highest NTEP ratings in the industry. A new generation of potting makes this cell suitable for tough industrial environments. Capacities from 200 to 5000 lb (440.0 to 2268 kg). Complete with 10' / 3.1 m of load cell cable.



SB4, Stainless Steel Page 205



The SB4 stainless steel single-ended beam is designed for multiple-cell applications such as floor scales and tank, bin and hopper weighing systems. It is used exclusively in Rice Lake Weighing Systems' Paramounts® HS mounting systems. Millivolt/volt/ohm factory calibration assures matched outputs for easy calibration. It features true hermetic sealing of both the strain gauge area and the cable entry, providing the ultimate in protection from outside elements. Exclusive field-replaceable load cell cable simplifies cable and load cell repairs. NTEP-certified capacities from 1125 to 22,500 lb (5 kN to 100 kN/510.3 to 10,205.8 kg).



SB5, Stainless Steel Page 206



The SB5 stainless steel single-ended beam is designed for multiple-cell applications such as floor scales and tank, bin and hopper weighing systems. It is used exclusively in Rice Lake Weighing Systems' Paramounts® EP mounting systems. Millivolt/volt/ohm factory calibration assures matched outputs for easy calibration. NTEP-certified capacities from 1125 to 11,250 lb (5 kN to 50 kN/510.3 to 5102.9 kg); Non-NTEP capacity of 22,500 lb (100 kN/10,205.8 kg).



Single-Ended Beams (Continued)

BK2, Stainless Steel Page 207



The BK2 is the latest offering from one of the premiere suppliers of quality load cells in the world. This new model was designed to lower the scale profile by providing a load cell that is half the overall height of the traditional solution. Ideal for applications such as low-profile floor scales, this model is constructed of stainless steel and has been environmentally potted to provide suitable protection for indoor applications. In addition, the standard calibration technique used by Flintec avoids time-consuming calibration for multiple load cell applications. The BK2 is available in capacities from 500 kg to 2000 kg and includes 10'/3.1 m of standard cable.



SB6, Stainless Steel Page 208



The SB6 load cell is a stainless steel, fully hermetically-sealed single-ended beam suitable for the harshest environments. The special loading hole provides an excellent price-to-performance ratio, and also allows a very low-profile design. Capacities from 20 to 200 kg (44.1 to 441.0 lb). Complete with 10'/3.1 m of load cell cable.



SB10, Stainless Steel Page 209



The SB10 load cell is used in the 1 kN and 2.3 kN Paramount assemblies. This stainless steel, hermetically-sealed load cell provides full IP68 sealing protection for the harshest environments. Ideal for use in multiple cell floor scale, tank and hopper applications. The unique millivolt/volt/ohm factory calibration assures matched outputs for easy field replacement and calibrations. The capacities of this model are 225 and 520 lb (1 and 2.5 kN). Each unit is supplied complete with 10'/3.1 m of load cell cable.

SB14, Stainless Steel Page 210



The SB14 load cell is a stainless steel, fully hermetically-sealed single-ended beam suitable for the harshest environments. Capacities from 1000 to 5000 kg (2205.0 to 11,025 lb). Complete with 10'/3.1 m load cell cable.



Compression Canisters

RC1, Stainless Steel Page 211



The RC1 load cell offers stainless steel and real hermetic sealing, making these cells suitable for use in tough industrial environments. Exclusive field-replaceable load cell cable simplifies cable and load cell repairs. Capacities of 56,000 and 90,000 lb (250 kN and 400 kN/25,401.6 and 40,824.0 kg). Each unit is supplied complete with 32'/9.8 m load cell cable.



Single Points

PCB, Stainless Steel, Hermetically Sealed Page 212



The PCB is the first full stainless steel, hermetically sealed "brick" type of load cell on the market. This unique design provides superior protection in applications where moisture and high humidity are problems. This model features both a welded gauge cavity area, and waterproof cable entry for long-lasting performance in almost any platform scale application. Interchangeable with the industry's most popular designs, this model provides the ability to upgrade applications. Available in capacities from 50 to 1000 kg, (110.2 to 2205 lb), each unit including 10'/3.1 m of cable.



PC1, Stainless Steel Page 213



The PC1 load cells offer stainless steel and environmentally protected seal, making these cells suitable for use in tough industrial environments. Capacities from 15 to 200 kg (33.1 to 441.0 lb).



PC2, Stainless Steel Page 214



This high-accuracy stainless steel single-point load cell is an ideal replacement cell for hopper applications where damaged bellows are a problem. This cell also features complete hermetic sealing, for use in the toughest environments. This product is offered at 150 lb (68.0 kg), and comes complete with 10'/3.1 m of load cell cable.



PC6, Stainless Steel Page 215



The PC6 load cells offer stainless steel and real hermetic sealing, making these cells suitable for use in tough industrial environments. Exclusive 1 m/3.3' field-replaceable load cell cable simplifies cable and load cell repairs. Capacities from 20 to 100 kg (44.1 to 220.5 lb).



ZLB, Aluminum Page 216

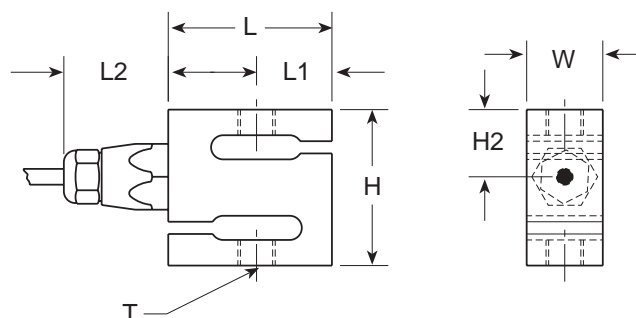


The Flintec ZLB is an economical alternative to one of the market's more traditional bending beam design load cells. This version offers anodized aluminum construction with a rugged industrial potting, making it suitable for tough environmental conditions. The load cell is designed to have a much lower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



UB1/UB1 HE S-Beam, Stainless Steel

Hermetically-sealed, IP68



RATED CAPACITY

lb/inches
225-1125
2250-5200
11,250

(1 kN-5 kN*)
(10 kN-23 kN*)
(50 kN*)

H

H2

L

DIMENSIONS

L1

L2

T†

W

kg/mm

102.1-510.3
1020.6-2358.7
5102.9

(1 kN-5 kN*)
(10 kN-23 kN*)
(50 kN*)

61.5

26.4

61.5

26.7

40.6

1/2-20 UNF

30.0

92.0

46.0

85.9

42.9

40.6

5/8-18 UNF

30.0

136.4

68.1

142.8

71.4

40.6

1-12 UNF

42.9

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V**
Bridge Resistance: 1000 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range
14°F to 104°F/-10°C to 40°C
Safe Overload: 200% Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Nonlinearity: 0 to -0.03% Full scale
Hysteresis: 0 to +0.05% Full scale

Total Error: ±.03%
Insulation Resistance: 10,000 megohms
Seal Type: Hermetically-sealed, IP68
Cable Length: 20'/6.1 m
Cable Color Code: Green..... + Excitation
Black..... - Excitation
White..... + Signal
Red..... - Signal
Yellow..... Shield
Warranty: 1-year limited warranty

UB1/UB1 HE ORDER INFORMATION

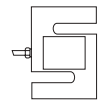
Load Rating	Part #	Suggested List Price
UB1		
1125 lb (5 kN*) (510.3 kg)	17072.....	\$495.00
2250 lb (10 kN*) (1020.6 kg)	17073.....	\$595.00
5200 lb (23 kN*) (2358.7 kg)	17074.....	\$595.00
11,250 lb(50 kN*) (5102.9 kg)	17075.....	\$795.00
UB1 HE		
2250 lb (10 kN*) (1020.6 kg) T=1/2-20 UNF	52950.....	\$595.00
4500 lb (20 kN*) (2358.7 kg) T=3/4-16 UNF	52954.....	\$595.00

Conduit Adapter, 1/2-14 NPT 17703.....\$35.00

* kN = Kilonewtons, 1 kN = 224.8089 lb

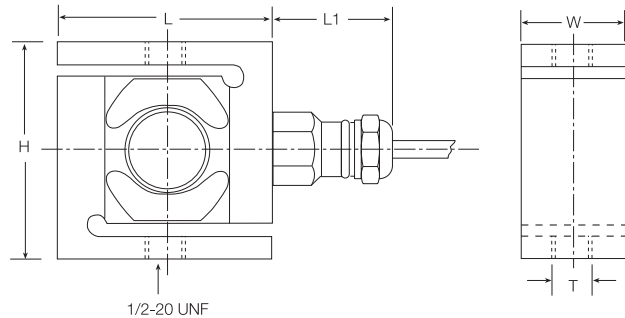
** Matched outputs via mV/V/ohm calibration

† Also available with metric threads



UB6 S-Beam, Stainless Steel

Hermetically-sealed, IP68, OIML C3



RATED CAPACITY

lb/inches

225-1125 (1 kN-5 kN*)

H

2.42

L

2.42

DIMENSIONS

L1

1.61

W

1.20

T†

1/2-20 UNF

kg/mm

102.1-510.3 (1 kN-5 kN*)

61.5

61.5

41.0

30.0

1/2-20 UNF

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V**
 Bridge Resistance: 1000 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Safe Overload: 200% Full scale
 Rated Excitation: 5V AC/DC (15V maximum)
 Combined Error: 0.02% Full scale

Insulation Resistance: 5,000 megohms
 Seal Type: Hermetically-sealed, IP68
 Cable Length: 20'/6.1 m
 Cable Color Code: Green..... + Excitation
 Black..... - Excitation
 White..... + Signal
 Red..... - Signal
 Yellow..... Shield
 Warranty: 1-year limited warranty

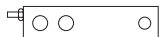
UB6 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
225 lb (1 kN*) (102.1 kg).....	36214.....	\$495.00
450 lb (2 kN*) (204.1 kg).....	36215.....	\$495.00
1125 lb (5 kN*) (510.3 kg).....	36216.....	\$495.00

* kN = Kilonewtons, 1 kN = 224.8089 lb

** Matched outputs via mV/V/ohm calibration

† Also available with metric threads

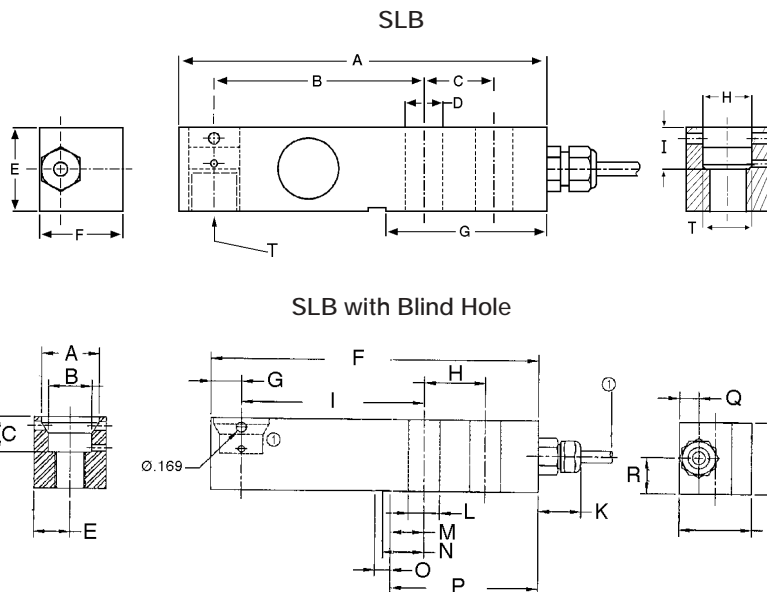


FLINTEC

Flintec

SLB Single-Ended Beam, Stainless Steel

NTEP, 1:4000 Class III Single Cell/1:7500 Class III Multiple Cell



RATED CAPACITY		DIMENSIONS																			
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
lb/inches																					
200-5000	SLB with Blind Hole	5.37	3.00	1.00	.53	1.19	1.18	2.56	.53	.59	—	—	—	—	—	—	—	—	—	—	1/2-20 UNF
200-5000		.94	.71	.59	—	.59	5.37	.50	1.0	3.0	1.18	.70	.51	.55	.68	.25	2.42	.32	.59	1.19	—
kg/mm																					
91-2268	SLB with Blind Hole	136.4	76.2	25.4	13.5	30.1	30.0	65.0	13.5	15.0	—	—	—	—	—	—	—	—	—	—	1/2-20 UNF
91-2268		23.8	18.0	15.1	—	15.1	136.3	12.7	25.4	76.2	29.9	17.7	12.9	13.9	17.2	6.35	61.4	8.1	15.1	30.2	—

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 1000 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Safe Overload: 200% Full scale
 Rated Excitation: 10V DC (15V maximum)
 Insulation Resistance: 5000 megohms

Combined Error: 0.01% Full scale
 Seal Type: Environmentally-sealed
 Cable Length: 3.1 m/10'
 Cable Color Code: Green..... + Excitation
 Black..... - Excitation
 White..... + Signal
 Red..... - Signal
 Yellow..... Shield
 Warranty: 1-year limited warranty

SLB ORDER INFORMATION

Load Rating	Part #	Suggested List Price
200 lb (91 kg)	64691	\$295.00
500 lb (226.8 kg)	41172	\$295.00
1000 lb (453.6 kg)	41173	\$295.00
2500 lb (1134 kg)	41174	\$295.00
5000 lb (2268 kg)	41175	\$295.00

* SLB Blind Hole

200 lb (91 kg)	77422	\$295.00
500 lb (226.8 kg)	77423	\$295.00
1000 lb (453.6 kg)	68527	\$295.00
2500 lb (1134 kg)	68528	\$295.00
5000 lb (2268 kg)	68529	\$295.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
*Fairbanks®	LCF-HR4050-3

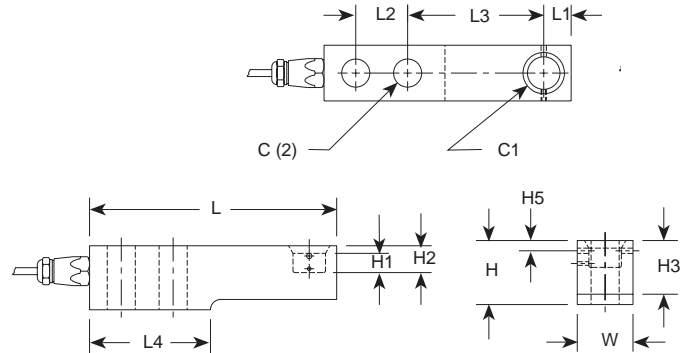
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SB4 Single-Ended Beam, Stainless Steel

Hermetically-sealed, IP68, NTEP 1:5000 Class III Multiple Cell



1125 lb-22,500 lb
(5 kN-100 kN*)

RATED CAPACITY	C	C1	H	H1	H2	H3	H5	L	L1	L2	L3	L4	W
lb/inches													
1125-5200 (5-23 kN*)	.53	.71	1.42	.39	.59	1.19	.16	6.10	.59	1.38	3.15	2.98	1.18
11,250 (50 kN*)	.85	.98	1.93	.58	.81	1.62	.31	7.48	.83	1.57	4.13	3.66	1.69
22,500 (100 kN*)	1.06	1.18	2.87	.82	1.21	2.43	—	9.65	1.19	1.97	5.31	4.72	2.36
kg/mm													
102.1-235.9 (1-2.3 kN*)	—	8.6	30.0	—	14.2	4.8	3.1	129.8	9.7	18.0	82.0	50.8	30.0
510.3-2358.7 (5-23 kN*)	13.5	18.0	36.1	9.9	15.0	30.2	4.1	154.9	15.0	35.1	80.0	75.7	30.0
5102.9 (50 kN*)	21.6	24.9	49.0	14.7	20.6	41.2	7.9	190.0	21.1	39.9	104.9	93.0	42.9
10,205.8 (100 kN*)	26.9	30.0	72.9	20.8	30.7	61.7	—	245.1	30.2	50.0	134.9	119.9	59.9

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V ± .07%**	Insulation Resistance:	10,000 megohms
Bridge Resistance:	1000 ohms, nominal	Deflection at Capacity:	2250 lb = .012"/3.1 mm, 5200 lb = .02"/5 mm, 11,250 lb = .012"/3.1 mm, 22,500 lb = .016"/4 mm
Material/Finish:	Stainless steel	Seal Type:	Hermetically-sealed, IP68
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Length:	225-5200 lb = 10'/3.1 m 11,250- 22,500 lb = 15'/4.6 m
Safe Overload:	200% Full scale	Cable Color Code:	Green + Excitation Black - Excitation White + Signal Red - Signal Yellow Shield
Rated Excitation:	10V AC/DC (15V maximum)	Warranty:	1-year limited warranty
Nonlinearity:	0 to -0.03% Full scale		
Hysteresis:	0 to +0.05% Full scale		
Combined Effect of Nonlinearity and Hysteresis:	±.03% Full scale		

SB4 ORDER INFORMATION

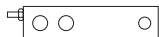
Load Rating	Part #	Suggested List Price
NTEP 1:3000		
1125 lb (5 kN*/510.3 kg).....	26662.....	\$755.00
2250 lb (10 kN*/1020.6 kg).....	26663.....	\$755.00
5200 lb (23 kN*/2358.7 kg).....	26664.....	\$755.00
11,250 lb (50 kN*/5102.9 kg).....	26665.....	\$895.00
Non-NTEP		
1125 lb (5 kN*/510.3 kg).....	17390.....	\$685.00
2250 lb (10 kN*/1020.6 kg).....	17391.....	\$685.00
5200 lb (23 kN*/2358.7 kg).....	17392.....	\$685.00
11,250 lb (50 kN*/5102.9 kg).....	17393.....	\$765.00
22,500 lb (100 kN*/10,205.8 kg).....	17394.....	\$1,095.00
Conduit Adapter, 1/2-14 NPT.....	17703.....	\$35.00

* kN = Kilonewtons, 1 kN = 224.8089 lb

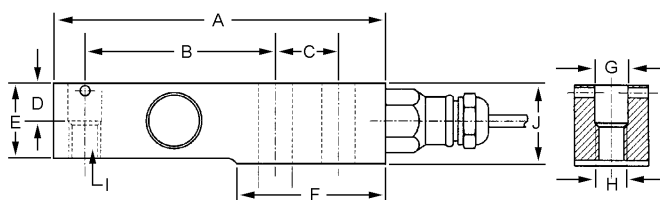
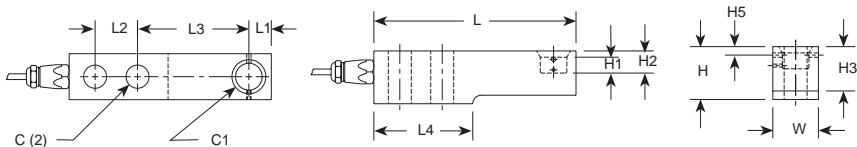
** Matched outputs via mV/V/ohm calibration

WEIGH MODULE AVAILABLE

Model	Page #
Paramounts® HS, HE.....	36 and 12



SB5 Single-Ended Beam, Stainless Steel NTEP 1:5000 Class III Single Cell



RATED CAPACITY

DIMENSIONS

	C	C1	H	H1	H2	H3	H5	L	L1	L2	L3	L4	W	A	B	C	D	E	F	G	H	I	J
lb/inches																							
1125-4500 (5-20 kN*)	.53	.71	1.42	.39	.59	1.19	.16	6.10	.59	1.38	3.15	2.98	1.18	—	—	—	—	—	—	—	—	—	—
1125-4500 (5-20 kN*-T)	.53	.71	1.42	.39	.59	1.19	.16	6.10	.59	1.00	3.15	2.98	1.18	5.25	3.00	1.00	.60	1.22	2.36	.71	1.18	1/2-20 UNF	1.22
11,250 (50 kN*)	.85	.98	1.93	.58	.81	1.62	.31	7.48	.83	1.57	4.13	3.66	1.69	—	—	—	—	—	—	—	—	—	—
22,500 (100 kN*)	1.06	1.18	2.87	.82	1.21	2.43	—	9.65	1.19	1.97	5.31	4.72	2.36	—	—	—	—	—	—	—	—	—	—
kg/mm																							
510.3-2041.2 (5-20 kN*)	13.5	18.0	36.1	9.9	15.0	30.2	4.1	154.9	15.0	35.1	80.0	75.7	30.0	—	—	—	—	—	—	—	—	—	—
510.3-2041.2 (5-20 kN*-T)	13.5	18.0	36.1	9.9	15.0	30.2	4.1	154.9	15.0	25.4	80.0	75.7	30.0	133.0	76.2	25.4	15.2	30.9	59.9	18.0	29.9	1/2-20 UNF	30.9
5102.9 (50 kN*)	21.6	24.9	49.0	14.7	20.6	41.2	7.9	190.0	21.1	39.9	104.9	93.0	42.9	—	—	—	—	—	—	—	—	—	—
10,205.8 (100 kN*)	26.9	30.0	72.9	20.8	30.7	61.7	—	245.1	30.2	50.0	134.9	119.9	59.9	—	—	—	—	—	—	—	—	—	—

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V \pm .07%**
Bridge Resistance:	1000 ohms, nominal
Material/Finish:	Stainless steel
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload:	200% Full scale
Rated Excitation:	10V AC/DC (15V maximum)
Nonlinearity:	0 to -0.03% Full scale
Hysteresis:	0 to +0.05% Full scale
Combined Effect of Nonlinearity and Hysteresis:	\pm .03% Full scale

Insulation Resistance:	10,000 megohms
Deflection at Capacity:	1125 lb = .008"/.2 mm, 2250 lb = .012"/.3.1 mm, 4500 lb = .02"/.5 mm, 11,250 lb = .012"/.3.1 mm
Seal Type:	Environmentally-sealed
Cable Length:	1125-4500 lb = 10'/3.1 m 11,250- 22,500 lb = 15'/4.6 m
Cable Color Code:	Green..... + Excitation Black..... - Excitation White..... + Signal Red..... - Signal Yellow..... Shield
Warranty:	1-year limited warranty

SB5 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
NTEP 1:5000		
1125 lb (5 kN*/510.3 kg)	33387	\$395.00
2250 lb (10 kN*/1020.6 kg)	33388	\$395.00
4500 lb (20 kN*/2041.2 kg)	33389	\$395.00
11,250 lb (50 kN*/5102.9 kg)	33390	\$525.00

Non-NTEP

22,500 lb (100 kN*/10,205.8 kg) ..	33391	\$795.00
------------------------------------	-------------	----------

SB5 - T***

1125 lb (SB5-5 kN*-T)	50629	\$395.00
2250 lb (SB5-10 kN*-T)	50628	\$395.00
4500 lb (SB5-20 kN*-T)	50627	\$395.00

WEIGH MODULE AVAILABLE

Model	Page #
Paramounts® EP	34

* kN = Kilonewtons, 1 kN = 224.8089 lb

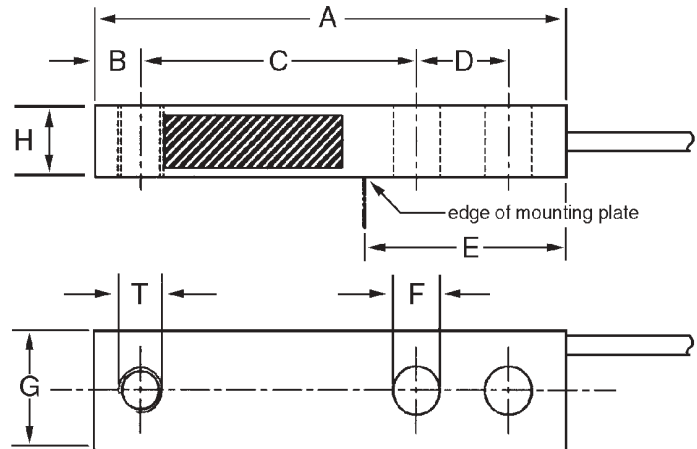
** Matched outputs via mV/V ohm calibration

*** T versions have a threaded load hole

BK2 Single-Ended Beam, Stainless Steel Potted, IP67



Pending



RATED CAPACITY	A	B	C	D	E	F	G	H	T
lb/inches									
1102.5	5.12	.49	2.9	.99	2.18	.51 (2x)	1.21	.62	M12*
2205.0	5.12	.49	2.9	.99	2.18	.51 (2x)	1.21	.75	M12*
4410.0	5.12	.49	2.9	.99	2.18	.51 (2x)	1.21	.99	M12*
kg/mm									
500	130.2	12.7	76.2	25.4	55.5	13(2x)	30.9	16.1	M12*
1000	130.2	12.7	76.2	25.4	55.5	13(2x)	30.9	19.1	M12*
2000	130.2	12.7	76.2	25.4	55.5	13(2x)	30.9	25.4	M12*

SPECIFICATIONS

Full Scale Output: 2.0 ± 0.002**
 Bridge Resistance: 1000 ohm, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Safe Overload: 200% Full scale
 Rated Excitation: 5V AC/DC (15V maximum)
 Combined Error: .030%

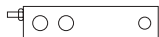
Insulation Resistance: 5000 megohms
 Seal Type: Potted, IP67
 Cable Length: 10'/3.1 m
 Cable Color Code: Green..... + Excitation
 Black..... - Excitation
 White..... + Signal
 Red..... - Signal
 Yellow..... Shield
 Warranty: 1-year limited warranty

BK2 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
500 kg (1102.5 lb)	69342.....	\$225.00
1000 kg (2205.0 lb)	69343.....	\$225.00
2000 kg (4410.0 lb)	69344.....	\$225.00

* Unified thread is available

** Matched outputs via mV/V ohm calibration

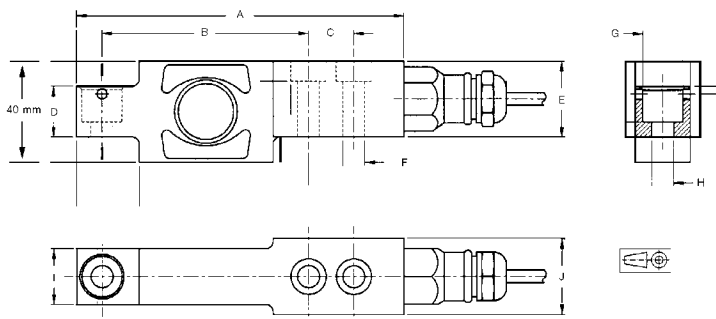


FLINTEC

Flintec

SB6 Single-Ended Beam, Stainless Steel

Hermetically-sealed, IP68, OIML C3



RATED CAPACITY	DIMENSIONS									
	A	B	C	D	E	F	G	H	I	J
kg/mm										
20-200	130.0	82.0	18.0	20.0	30.0	8.7	16.0	8.7	22.0	30.0
lb/inches										
44.1-441.0	5.12	3.23	.71	.79	1.18	.34	.63	.34	.87	1.18

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Insulation Resistance:	5000 megohms
Bridge Resistance:	1000 ohms, nominal	Seal Type:	Hermetically-sealed, IP68
Material/Finish:	Stainless steel	Cable Length:	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:	1-year limited warranty
Rated Excitation:	5V AC/DC (15V maximum)		
Combined Error:	0.01% Full scale		

SB6 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
20 kg (44.1 lb)	41163.....	\$410.00
50 kg (110.2 lb)	41164.....	\$410.00
100 kg (220.5 lb)	41165.....	\$410.00
200 kg (440.9 lb)	41166.....	\$410.00

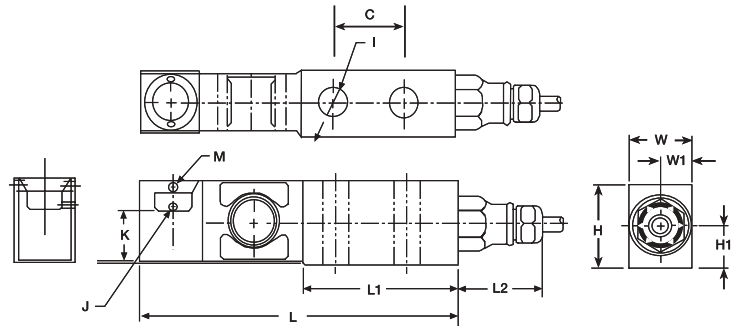
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SB10 Single-Ended Beam, Stainless Steel

Hermetically-sealed, IP68



RATED CAPACITY	L	L1	L2	H	DIMENSIONS							
					H1	W	W1	I	J	K	M	C
lb/inches												
225-520	6.10	2.98	1.60	1.58	.81	.59	1.18	0.520±.005	.11	.99	.16	1.387
kg/mm												
102.1-235.9	155.0	75.7	40.6	40.1	20.6	15.0	30.0	0.520±.005	2.8	25.1	4.1	35.0

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 1000 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Safe Overload: 200% Full scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Nonlinearity: 0 to -0.03% Full scale
 Hysteresis: 0 to +0.05% Full scale
 Combined Effect of Nonlinearity and Hysteresis: ± .03% Full Scale

Insulation Resistance: 10,000 megohms
 Deflection at Capacity: .006"/.15 mm (225 lb)
 .008"/.15 mm (520 lb)
 Seal Type: Hermetically-sealed, IP68
 Cable Length: 10'/3.1 m
 Cable Color Code: Green..... + Excitation
 Black..... - Excitation
 White + Signal
 Red - Signal
 Yellow Shield
 Warranty: 1-year limited warranty

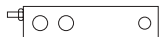
SB10 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
225 lb (1 kN*/102.1 kg)	38214.....	\$680.00
520 lb (2.3 kN*/235.9 kg)	38215.....	\$680.00
Conduit Adapter, 1/2-14 NPT	17703.....	\$35.00

* kN = Kilonewtons, 1 kN = 224.8089 lb

WEIGH MODULE AVAILABLE

Model	Page #
Paramounts® HS, HE.....	36 and 12

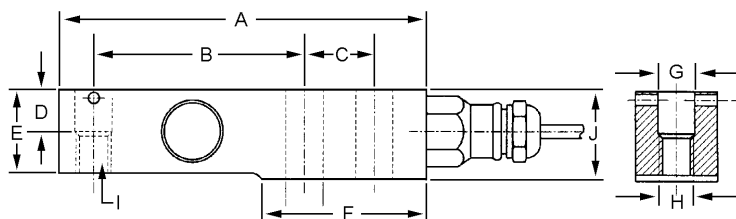


FLINTEC

Flintec

SB14 Single-Ended Beam, Stainless Steel

Hermetically-sealed, IP68, NTEP 1:5000 Class III Multiple Cell



RATED CAPACITY

lb/inches

	A	B	C	D	E	F	G	H	I	J
500-1000	5.25	3.00	1.00	.60	1.16	2.36	.71	1.18	1/2-20 UNF	1.22
2500	5.25	3.00	1.00	.60	1.21	2.36	.71	1.18	1/2-20 UNF	1.22
5000	5.25	3.00	1.00	.60	1.22	2.36	.71	1.18	1/2-20 UNF	1.22

kg/mm

226.8-453.6	133.4	76.2	25.4	15.2	29.5	60.0	18.0	30.0	1/2-20 UNF	31.0
1134.0	133.4	76.2	25.4	15.2	30.7	60.0	18.0	30.0	1/2-20 UNF	31.0
2268.0	133.4	76.2	25.4	15.2	30.9	60.0	18.0	30.0	1/2-20 UNF	31.0

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 1000 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Safe Overload: 200% Full scale
 Rated Excitation: 5V AC (15V maximum)
 Insulation Resistance: 5000 megohms
 Combined Effect of
 Nonlinearity &
 Hysteresis: ± 0.03% Full scale

Seal Type: Hermetically-sealed, IP68
 Cable Length: 10'/3.1 m
 Cable Color Code: Green..... + Excitation
 Black..... - Excitation
 White..... + Signal
 Red..... - Signal
 Yellow..... Shield
 Warranty: 1-year limited warranty

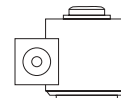
SB14 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
500 lb (453.6 kg)	41167	\$445.00
1000 lb (453.6 kg)	41168	\$445.00
2500 lb (1134 kg)	41169	\$445.00
5000 lb (2268 kg)	41170	\$445.00

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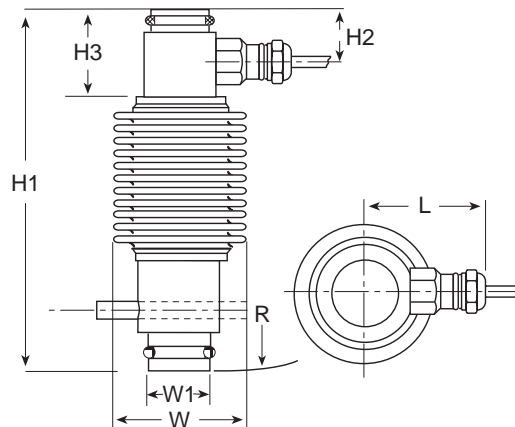
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RC1 Rocker Column, Stainless Steel

Hermetically-sealed, IP68, NTEP 1:10,000, OIML C3



RATED CAPACITY	H1	H2	H3	DIMENSIONS L	R	W	W1
lb/inches							
56,000	7.56	1.22	2.01	2.44	10.98	2.83	1.46
90,000	8.86	1.34	2.24	2.72	14.02	3.35	2.52
kg/mm							
25,401.6	192.0	31.0	51.0	62.0	279.0	72.0	50.0
40,824.0	225.0	34.0	57.0	69.0	356.0	85.0	64.0

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Seal Type:	Hermetically-sealed, IP68
Bridge Resistance:	350 ohms, nominal	Cable Length:	56,000 lb 32.8'/10 m, 90,000 lb 59.1'/18 m
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	Warranty:	1-year limited warranty
Safe Overload:	200% Full scale		
Rated Excitation:	5V AC/DC (15V maximum)		
Combined Error:	0.02% Full scale		
Insulation Resistance:	5000 megohms		

RC1 ORDER INFORMATION

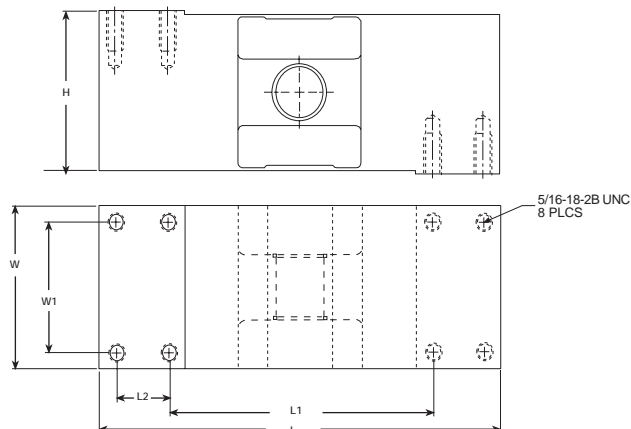
Load Rating	Part #	Suggested List Price
56,000 lb (250 kN*/25,401.6 kg)	36217	\$750.00
90,000 lb (400 kN*/40,824.0 kg)	36218	\$995.00
Conduit Adapter, 1/2-14 NPT	17703	\$35.00
Load Cup**, Upper	71602	\$95.00
Load Cup**, Lower	44290	\$125.00

* kN = Kilonewtons, 1 kN = 224.8089 lb

** For Mettler-Toledo® Digital to analog conversion: requires replacement of all system load cells, j-box, and instrumentation; consult factory



PCB Single Point, Stainless Steel (IP 68 Rated) Hermetically-sealed, IP68, NTEP 1:3000 Class III Single Cell



RATED CAPACITY	L	L1	DIMENSIONS L2	W	W1	H
kg/mm						
50-1000	190.5	124.8	24.9	74.9	59.9	74.9
lb/inches						
110.3-2205	7.50	4.92	.98	2.95	2.36	2.95

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Deflection at Capacity: 50-1000 kg \leq .4 mm/.015"
Bridge Resistance:	1000 ohms, nominal	Seal Type: Hermetically-sealed, IP68
Material/Finish:	Stainless steel	Cable Length: 10'/3.1 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 Yellow..... Shield
Safe Overload:	200% Full scale	Platform Size: 24" x 24"
Rated Excitation:	10V AC/DC (20V maximum)	Warranty: 1-year limited warranty
Total Error:	0.02% Full scale	
Insulation Resistance:	5000 megohms	

PCB ORDER INFORMATION

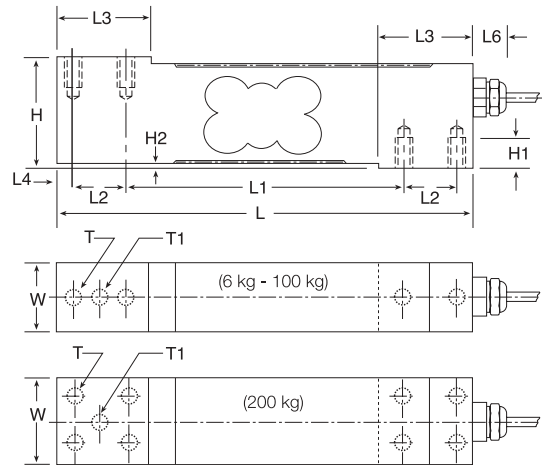
Load Rating	Part #	Suggested List Price
Non-NTEP		
50 kg (110.3 lb)	45274.....	\$795.00
NTEP 1:3000		
100 kg (220.5 lb)	45275.....	\$795.00
250 kg (551.3 lb)	45276.....	\$795.00
500 kg (1,102.5 lb)	45277.....	\$795.00
1000 kg (2,205 lb)	45278.....	\$795.00
Conduit Adapter, 1/2-14 NPT	17703.....	\$35.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 155) RL1250*
Vishay Celtron	(see page 194) LOC*
Revere Transducers.....	(see page 278) 652*
Vishay TedeA-Huntleigh	(see page 341) 1250*

* Environmentally-sealed

PC1 Single Point, Stainless Steel NTEP 1:3000 Class III Single Cell



RATED CAPACITY	DIMENSIONS											T	T1
	H	H1	H2	L	L1	L2	L3	L4	L5	L6	W		
kg/mm													
15-100	40.0	10.0	1.5	150.0	100.0	19.0	32.0	6.0	15.5	20.0	25.4	4 X M6/10DP	M6/10DP/Drill Through
200	40.0	10.0	1.5	150.0	100.0	19.0	32.0	6.0	15.5	20.0	38.1	8 X M6/10DP	M6/10DP/Drill Through
lb/inches													
33.1-220.5	1.57	.40	.06	5.90	3.93	.75	1.26	.24	.61	.79	1.00	4 X M6/10DP	M6/10DP/Drill Through
441.0	1.57	.40	.06	5.90	3.93	.75	1.26	.24	.61	.79	1.50	8 X M6/10DP	M6/10DP/Drill Through

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Safe Overload: 200% Full scale
 Rated Excitation: 5V AC/DC (15V maximum)
 Combined Error: 0.02% Full scale
 Insulation Resistance: 5000 megohms

Seal Type: Environmentally-sealed
 Cable Length: 3.3'/1 m
 Cable Color Code:
 Green + Excitation
 Black - Excitation
 White + Signal
 Red - Signal
 Yellow Shield
 Platform Size: 18" x 18"
 Warranty: 1-year limited warranty

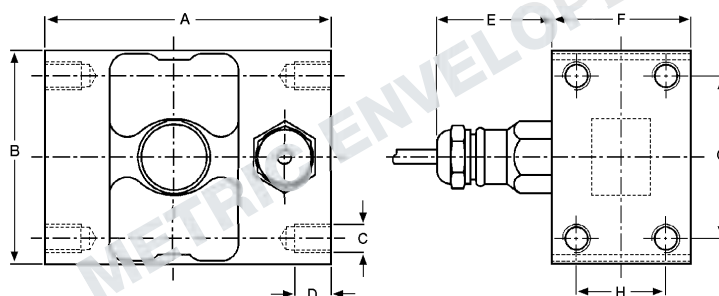
PC1 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
6 kg (13.2 lb)	41820.....	\$300.00
10 kg (22.0 lb)	41821.....	\$300.00
15 kg (33.1 lb)	36219.....	\$300.00
30 kg (66.1 lb)	36220.....	\$300.00
50 kg (110.2 lb)	36221.....	\$300.00
75 kg (165.4 lb)	36222.....	\$300.00
100 kg (220.5 lb)	36223.....	\$300.00
200 kg (441.0 lb)	36224.....	\$445.00



PC2 Single Point, Stainless Steel

Hermetically-sealed, IP68



RATED CAPACITY	DIMENSIONS							
	A	B	C	D	E	F	G	H
kg/mm								
150	101.6	75.0	M10	13.0	41.0	49.5	57.2	31.8
lb/inches								
330.8	4.00	2.95	M10	.51	1.61	1.95	2.25	1.25

SPECIFICATIONS:

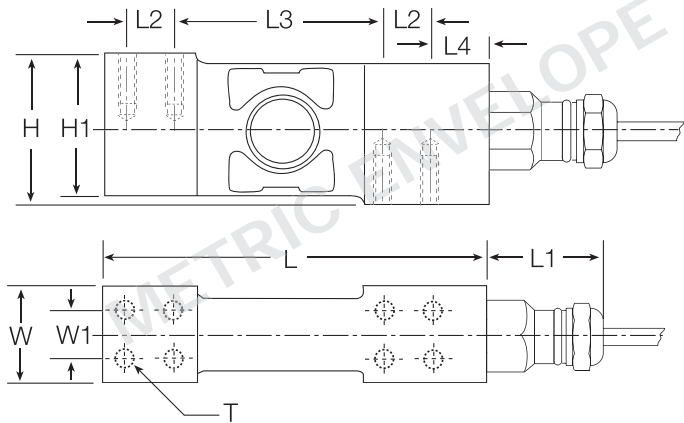
Full Scale Output:	2.0 mV/V	Seal Type:	Hermetically-sealed, IP68
Bridge Resistance:	1,000 ohms, nominal	Cable Length:	10'/3.1 m
Material/Finish:	Stainless steel	Cable Color Code:	Green..... + Excitation Black..... - Excitation White..... + Signal Red..... - Signal Yellow..... Shield
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Warranty:	1-year limited warranty
Safe Overload:	200% Full scale		
Rated Excitation:	5V AC/DC (15V maximum)		
Combined Error:	0.02% Full scale		
Insulation Resistance:	5000 megohms		

PC2 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
150 kg (330.7 lb)	41176.....	\$1,010.00

PC6 Single Point, Stainless Steel

Hermetically-sealed, IP68



RATED CAPACITY	DIMENSIONS									
	H	H1	L	L1	L2	L3	L4	W	W1	T
kg/mm										
20-200	48.0	45.5	123.0	41.0	15.2	67.6	17.8	30.1	15.2	8 X M6/15DP
lb/inches										
66.1-441.0	1.89	1.80	4.84	1.61	.60	2.66	.70	1.18	.60	8 X M6/15DP

SPECIFICATIONS:

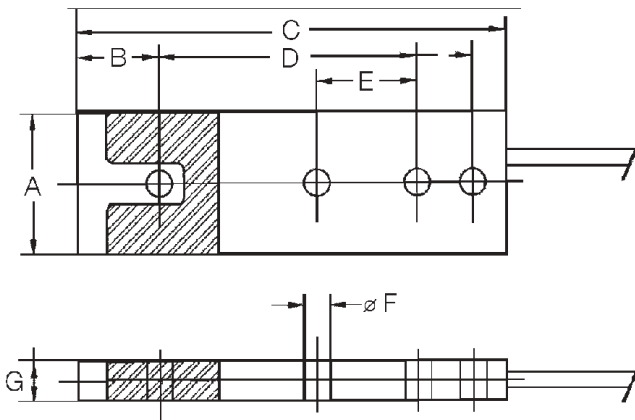
Full Scale Output:	2.0 mV/V	Seal Type:	Hermetically-sealed, IP68
Bridge Resistance:	1000 ohms, nominal	Cable Length:	3.3'/1 m
Material/Finish:	Stainless steel	Cable Color Code:	Green..... + Excitation Black..... - Excitation White..... + Signal Red..... - Signal Yellow..... Shield
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Platform Size:	24" x 24"
Safe Overload:	200% Full scale	Warranty:	1-year limited warranty
Rated Excitation:	5V AC/DC (15V maximum)		
Combined Error:	0.02% Full scale		
Insulation Resistance:	5000 megohms		

PC6 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
20 kg (44.1 lb)	36225.....	\$650.00
50 kg (110.2 lb)	36226.....	\$650.00
100 kg (220.5 lb)	36227.....	\$650.00
200 kg (441.0 lb)	36228.....	\$650.00



ZLB Single Point, Aluminum Potted, IP67



RATED CAPACITY	DIMENSIONS						
	A	B	C	D	E	F	G
kg/mm							
20	44.5	26.2	136.8	82.0	18.0	8.2	9.5
50	44.5	26.2	136.8	82.0	18.0	8.2	12.7
100	44.5	26.2	136.8	82.0	18.0	8.2	12.7
200	44.5	26.2	136.8	82.0	18.0	8.2	15.9
lb/inches							
44.1	1.75	1.03	5.39	3.23	0.70	0.32	.37
110.2	1.75	1.03	5.39	3.23	0.70	0.32	.50
220.5	1.75	1.03	5.39	3.23	0.70	0.32	.50
440.9	1.75	1.03	5.39	3.23	0.70	0.32	.63

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 1000 ohms, nominal
 Material/Finish: Anodized aluminum
 Temperature: Compensated range
 0°F to 150°F/-18°C to 65°C
 Safe Overload: 200% Full scale
 Rated Excitation: 5V AC/DC (15V maximum)
 Combined Error: 0.02% Full scale
 Insulation Resistance: 5000 megohms

Seal Type: Potted, IP67
 Cable Length: 3.1 m/10'
 Cable Color Code: Green.....+ Excitation
 Black.....- Excitation
 White.....+ Signal
 Red.....- Signal
 Yellow..... Shield
 Warranty: 1-year limited warranty

ZLB ORDER INFORMATION

Load Rating	Part #	Suggested List Price
20 kg (44.1 lb)	53291	\$140.00
50 kg (110.2 lb)	53290	\$140.00
100 kg (220.5 lb)	53289	\$140.00
200 kg (441.0 lb)	53292	\$140.00

S-Beams



RSC, Stainless Steel Page 221

The RSC is the new generation in "S" type cells. Designed for both single- and multiple-cell applications and built of stainless steel, the RSC is a superior choice for new or conversion applications. NTEP-certified capacities of 100 to 5000 lb (45.4 to 2268.0 kg); non-NTEP capacities of 50 and 10,000 lb (22.7 and 4535.9 kg). Complete with 25'/7.6 m of load cell cable.



S35 Universal, Stainless Steel Page 222

The S35, Universal "S" cell is constructed in stainless steel and offer dimensional and electrical interchangeability with several load cell manufacturers. Capacities from 100 to 20,000 lbs. Each cell comes with 20'/6.1 m of load cell cable.



Single-Ended Beams



H35, Stainless Steel Page 223

The H35 is the latest introduction to the popular HBM beam line. The H35 offers all stainless steel construction and integral mounting foot as well as dimensional and electrical interchangeability with several load cell manufacturers. Capacities from 1000 to 5000 lbs. Each cell comes with 20'/6.1 m of load cell cable.



B35, Stainless Steel Page 224

The B35 is the latest high-quality beam design load cell released by HBM. This stainless steel model is both dimensionally and electrically interchangeable with several other popular stainless beam models. This model differs from other HBM beam products in that it carries a 3.0 mV/V output, and has a 350-ohm bridge. Available in capacities ranging from 500 to 10,000 lb (226.8 to 4535.9 kg), each load cell is also provided with 20'/6.1 m of cable.



BLC, Stainless Steel Page 225

Single-ended bending beam uniquely designed for versatile weighing. Directly interchangeable with other widely-used single-ended beams. Durable stainless steel construction with threaded counterbored load hole. Offers easy installation and load introduction. Capacities of 1000 to 10,000 lb (453.6 to 4535.9 kg).



BBS, Alloy Steel Page 226

Low-cost bending beam load cell designed for precision force and weight measurement. Features excellent performance and protection against adverse environments, alloy and stainless steel sensing elements, and low mounting sensitivity. Capacities of 50 to 7500 lb (22.7 to 3401.9 kg). Complete with 10'/3.1 m of load cell cable.



Single-Ended Beams (Continued)



BLF, Stainless Steel..... Page 227

This bending beam is a replacement for the Fairbanks® low-profile bending beam. Capacities from 1500 to 5000 lb (680.4 to 2268.0 kg). Integral 15'/4.6 m load cell cable.



SB3, Alloy Steel..... Page 228

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



Expanded Capacity Range!



SBF, Alloy Steel..... Page 229

This shear beam is a replacement for the Fairbanks® low-profile shear beam. Capacities of 1500 to 5000 lb (680.4 to 2268.0 kg). Integral 15'/4.6 m load cell cable.



Z6, Stainless Steel..... Page 230

The Z6 bending beam load cell is constructed of stainless steel and welded seal. These features make the Z6 ideal for harsh or caustic environments as well as washdown applications. Capacities of 20 to 1000 kg (44.1 to 2204.6 lb). Complete with 3.1 m/10' of load cell cable.



Compression Canisters



C16, Stainless Steel, Hermetically-Sealed..... Page 231

The HBM C16 Rocker Column load cell is specifically designed for high-capacity weighing in the harshest environments. Ideal for truck scale applications it features all stainless steel construction along with IP68 hermetic sealing. Its easy to install and maintain to provide real cost advantages for both new installations and retrofit projects. The HBM C16 is available in capacities ranging from 20 t to 40 t, and includes 12 meters of load cell cable standard.



JRT, Alloy Steel..... Page 232

The JRT utilizes a unique torsion ring design and is intended for high capacity loading in tank, vessel and truck weighing applications. The design accommodates the highly accurate rocker pin load introduction technique. Capacities of 20,000 to 100,000 lb (9071.9 to 45,359.2 kg). Complete with 35'/10.7 m of load cell cable.



Single Points

PW6K Single Point, Aluminum..... Page 233



The PW6K load cell provides an accurate yet economical solution for low-capacity weighing applications. It's compact for use in platform scales with platter sizes up to 12" x 12". It's also sealed to IP65 standards for most indoor non-wash-down applications. Available in capacities from 10 kg to 40 kg, the HBM PW6K is popular with OEM scale manufacturers, making our catalog a great source for new applications or replacement parts.

SP4, Aluminum..... Page 234



The SP4 is a low-profile, off-center load cell designed for use in retail, postal and platform scale applications. This high accuracy single point is manufactured from aluminum, and is moment compensated for guaranteed accuracy. The product is protected by a quality gauge coating compound that provides a barrier against high humidity environments. This product is available in capacities from 7 to 100 kg (15.4 to 220.5 lb), and comes standard with a 1 m/3.3' cable.



PW2, Aluminum..... Page 235



Popular with several large OEM scale manufacturers world-wide, the HBM PW2 is available from Rice Lake Weighing Systems for either new applications or for quick delivery of replacement parts. It's a high performance, single point load cell constructed of aluminum and moment-compensated to ensure accuracy. Able to handle platter sizes up to 15" x 15", the HBM PW2 is available in capacities from 6 kg to 60 kg and carries an IP65 rating to provide a sensible solution for most indoor applications.



PW12, Aluminum..... Page 236



A new aluminum, single point load cell from HBM. With capacities from 50 kg to 1000 kg, this load cell is NTEP, OMIL R60 and R76 approved. The PW12 is ideal for platform, hanging scale, and other low-capacity beams applications. Complete with 3.1 m/10' of load cell cable.



PW15, Stainless Steel..... Page 237



A new stainless steel, single point load cell from HBM. With capacities from 10 to 100 kg (22.1 to 220.5 lb), this load cell is OIML R60 and R76 approved. The PW15 is ideal for platform, hanging scale, and other low-capacity beam applications. Complete with 3.1 m/10' of load cell cable.



PW16, Aluminum..... Page 238



A new single point, aluminum load cell from HBM. With capacities from 30 to 660 kg (66.1 to 1455.5 lb), this load cell has a potted cavity and offers excellent performance in damp environments. Complete with 3.1 m/10' of load cell cable.



Single Points (Continued)

PWS/PWSM, Stainless Steel Page 239



The PWS/PWSM is a single-point cell, constructed of stainless steel and designed to perform in harsh, high shock load environments. These features make the PWS/PWSM ideal for platform scales and packaging and process weighing equipment. Capacities from 7 to 150 kg (15.4 to 330.7 lb). Complete with 3.1 m/10' of load cell cable.



**Expanded
Capacity
Range!**

PWA, Aluminum..... Page 240



The HBM PWA is a compact alternative to some of the more popular single-point load cell designs on the market. A popular model for many OEM scale manufacturers worldwide, it is available from Rice Lake Weighing Systems for both newly designed projects and as a field replacement. The HBM PWA is provided with standard load cell cable ranging by capacity from 7 kg to 30 kg with 7' and 60 kg to 150 kg with 11'.



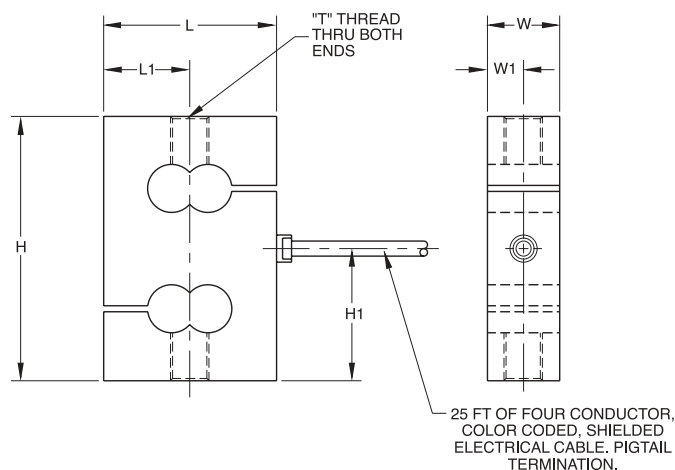
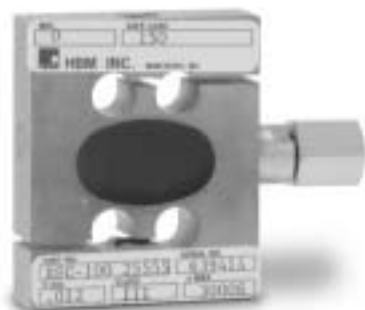
SP10, Aluminum Page 241



The SP10 is a popular aluminum single point design that has been used in bench, platform, postal, and price-computing scales for years. Design advantages include low sensitivity to side loading and built-in overload stops to protect this component from accidental operator abuse. Protected to IP65 sealing standards, this model is suitable for most indoor applications. Maximum platter size by capacity includes 12" x 12" for 2-10 kg, 18" x 18" for 15-30 kg, and 24" x 24" for 50-90 kg capacities.

RSC S-Beam, Stainless Steel

NTEP 1:3000 Class III Single Cell



RATED CAPACITY	DIMENSIONS						
	H	H1	L	L1	W	W1	T
lb/inches							
50-300	2.44	1.22	2.00	1.00	.59	.29	3/8-24 UNF-2B
500-3000	3.44	1.72	2.25	1.12	.94	.47	1/2-20 UNF-2B
5000	3.94	1.97	2.75	1.38	1.19	.59	3/4-16 UNF-2B
10,000	3.94	1.97	3.00	1.50	1.44	.72	3/4-16 UNF-2B
kg/mm							
22.7-136.1	62.0	31.0	50.8	25.4	15.0	7.4	3/8-24 UNF-2B
226.8-4535.9	87.4	43.7	57.2	28.4	23.9	11.9	1/2-20 UNF-2B
2268.0	100.1	50.0	69.9	35.1	30.2	15.0	3/4-16 UNF-2B
4535.9	100.1	50.0	76.2	38.1	36.6	18.3	3/4-16 UNF-2B

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 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: 18V AC/DC
 Nonlinearity: 0.03% Full scale
 Hysteresis: 0.03% Full scale

Insulation Resistance: 5000 megohms
 Seal Type: Environmentally-sealed
 Cable Length: 25'/7.6 m
 Cable Color Code: Green + Excitation
 Black - Excitation
 White + Signal
 Red - Signal
 Yellow Shield
 Warranty: 1-year limited warranty

RSC ORDER INFORMATION

Load Rating	Part #	Suggested List Price
100 lb (45.4 kg)	21900	\$325.00
200 lb (90.7 kg)	21901	\$325.00
300 lb (136.1 kg)	21902	\$325.00
500 lb (226.8 kg)	21903	\$325.00
750 lb (340.2 kg)	21904	\$325.00
1000 lb (453.6 kg)	21905	\$325.00
2000 lb (907.2 kg)	21906	\$325.00
3000 lb (1360.8 kg)	21907	\$370.00
5000 lb (2268.0 kg)	21908	\$380.00

Non-NTEP

50 lb (22.7 kg)	21899	\$325.00
10,000 lb (4535.9 kg)	21909	\$465.00

NTEP 1:10,000 Class III Single Cell available; consult factory for pricing.

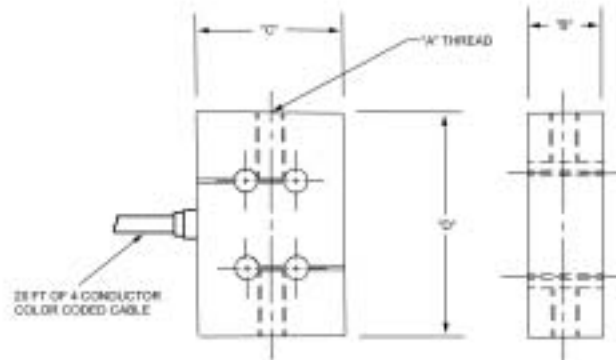
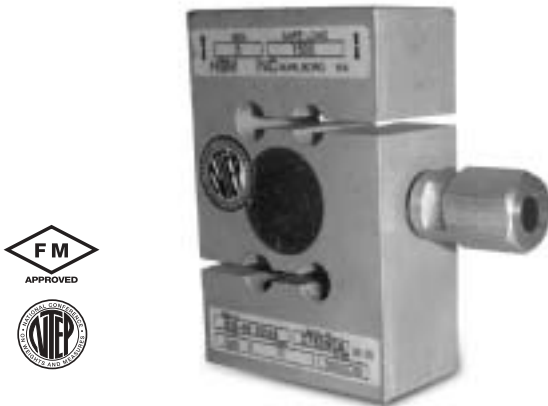
WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	354

S35 S-Beam, Stainless Steel

NTEP 1:3000 Class III 3S/1:10,000 Class IIIL 10S, IP67

Reduced Prices!



RATED CAPACITY	DIMENSIONS			
	A	B	C	D
lb/inches				
100-200	1/4-28 UNF-2B	.63	2.00	2.50
300	3/8-24 UNF-2B	.63	2.00	3.00
500-3000	1/2-20 UNF-2B	1.00	2.00	3.00
5,000	3/4-16 UNF-2B	1.00	3.00	4.25
10,000	3/4-16 UNF-2B	1.00	3.50	4.75
15,000	1-14 UNS-2B	1.50	4.00	5.50
20,000	1 1/4-12 UNF-2B	2.00	5.00	7.00
kg/mm				
100-200	1/4-28 UNF-2B	16.0	50.8	63.5
300	3/8-24 UNF-2B	16.0	50.8	76.2
500-3000	1/2-20 UNF-2B	25.4	50.8	76.2
5,000	3/4-16 UNF-2B	25.4	76.2	108.0
10,000	3/4-16 UNF-2B	25.4	88.9	120.7
15,000	1-14 UNS-2B	38.1	101.6	139.7
20,000	1 1/4-12 UNF-2B	50.8	127.0	177.8

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V nominal
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%
Rated Excitation: 10V AC/DC (15V maximum)
Combined Error: 0.03%
Insulation Resistance: 10,000 megohms

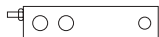
Deflection at Capacity: .010"/.25mm
Seal Type: Environmentally-sealed, IP67
Cable Length: 20'/6.1 m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Yellow Shield
Warranty: 1-year limited warranty

S35 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
100 lb (45.4 kg)	64859	\$275.00
200 lb (90.7 kg)	64860	\$275.00
300 lb (136.1 kg)	64861	\$275.00
500 lb (226.8 kg)	64862	\$275.00
750 lb (340.2 kg)	64863	\$275.00
1,000 lb (453.6 kg)	64864	\$275.00
2,000 lb (907.2 kg)	64865	\$275.00
2,500 lb (1134.0 kg)	64866	\$275.00
3,000 lb (1360.8 kg)	64867	\$275.00
5,000 lb (2268.0 kg)	64868	\$475.00
10,000 lb (4535.9 kg)	64869	\$550.00
15,000 lb (6803.9 kg)	64870	\$575.00
20,000 lb (9071.8 kg)	64871	\$895.00

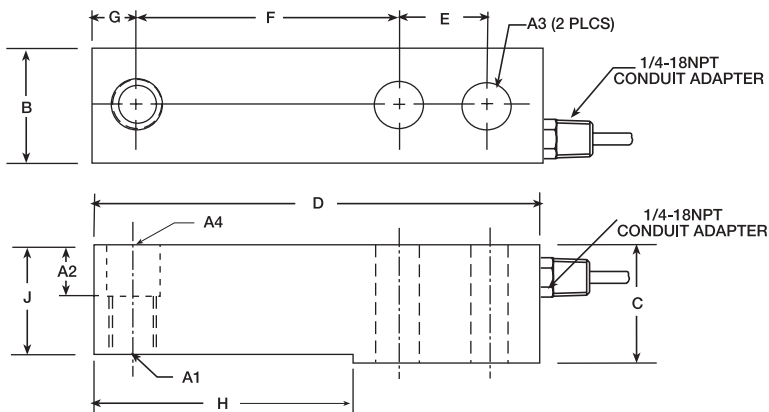
WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	354



B35 Single-Ended Beam, Stainless Steel

NTEP 1:5000 Class III Multiple Cell



RATED CAPACITY

lb/inches
500
1000-4000
5000-10,000

A1

A2

A3

DIMENSIONS

A4

B

C

D

E

F

G

H

J

kg/mm

226.8
453.6-1814.4
2268.0-4535.9

1/2-20 UNF-2B
1/2-20 UNF-2B
3/4-16 UNF-2B

.50
.62
.75

.53
.53
.78

.53
.53
.78

1.21
1.21
1.44

1.00
1.19
1.44

5.12
5.12
6.75

1.00
1.00
1.50

3.00
3.00
3.75

.50
.50
.75

2.85
2.85
3.75

.93
1.12
1.34

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V nominal
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Combined Error: 0.04%
Insulation Resistance: 5000 megohms

Deflection at Capacity: .010"/.25 mm
Seal Type: Environmentally-sealed
Cable Length: 20'/6.1 m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Yellow Shield
Warranty: 1-year limited warranty

B35 ORDER INFORMATION

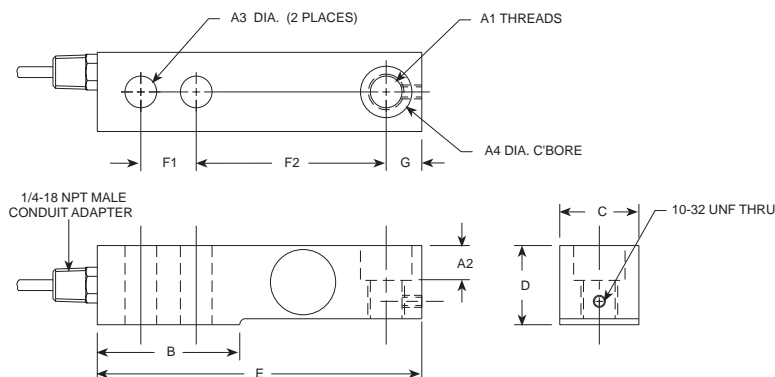
Load Rating	Part #	Suggested List Price
500 lb (226.8 kg)	46486.....	\$265.00
1000 lb (453.6 kg)	46487.....	\$265.00
2000 lb (907.2 kg)	46488.....	\$265.00
2500 lb (1134.0 kg)	46489.....	\$265.00
3000 lb (1360.8 kg)	46490.....	\$265.00
4000 lb (1814.4 kg)	46491.....	\$265.00
5000 lb (2268.0 kg)	46492.....	\$345.00
10,000 lb (4535.9 kg)	46493.....	\$345.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 106) RL39123
Revere Transducers.....	(see page 255) 9123

BLC Single-Ended Beam, Stainless Steel

NTEP 1:5000 Class III Multiple Cell*



RATED CAPACITY	A1	A2	A3	A4	B	C	D	E	F1	F2	G
lb/inches											
1000-4000	1/2-20 UNF-2B	.56	.52	.81	2.27	1.21	1.19	5.25	1.00	3.00	.60
5000	3/4-16 UNF-2B	.79	.78	1.19	3.00	1.45	1.44	6.75	1.50	3.75	.75
10,000	3/4-16 UNF-2B	.79	.78	1.19	3.00	1.69	1.69	6.75	1.50	3.75	.75
kg/mm											
453.6-1814.4	1/2-20 UNF-2B	14.2	13.2	20.6	57.6	30.7	30.2	133.3	25.4	76.2	15.2
2268.0	3/4-16 UNF-2B	20.1	19.8	30.2	76.2	36.8	36.6	171.5	38.1	95.3	19.1
4535.9	3/4-16 UNF-2B	20.1	19.8	30.2	76.2	42.9	42.9	171.5	38.1	95.3	19.1

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V nominal
Bridge Resistance:	1000 ohms, nominal
Material/Finish:	Stainless steel
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (15V maximum)
Nonlinearity:	0.03% Full scale
Hysteresis:	0.05% Full scale
Insulation Resistance:	5000 megohms

Deflection at Capacity: 1000-4000 lb = .010"/.25 mm,
5000-10,000 lb = .012"/.30 mm

Seal Type: Environmentally-sealed
Cable Length: 1000-4000 lb = 10'/3.1 m,
5000-10,000 lb = 20'/6.1 m

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

Warranty: 1-year limited warranty

BLC ORDER INFORMATION		
Load Rating	Part #	Suggested List Price
NTEP* With Counter Bore		
1000 lb (453.6 kg)	21514	\$265.00
2500 lb (1134.0 kg)	21504	\$265.00
4000 lb (1814.4 kg)	21515	\$265.00
5000 lb (2268.0 kg)	21505	\$355.00
10,000 lb (4535.9 kg)	21506	\$450.00

Non-NTEP Without Counter Bore		
1000 lb (453.6 kg)	17226	\$265.00
2500 lb (1134.0 kg)	17227	\$265.00
4000 lb (1814.4 kg)	17228	\$265.00
5000 lb (2268.0 kg)	17229	\$355.00
10,000 lb (4535.9 kg)	17230	\$450.00

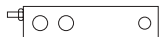
Bushing (for conversion to non-counter bore)		
1000 lb - 4000 lb, SST	17691	\$8.00

* NTEP certified to 50% of rated capacity

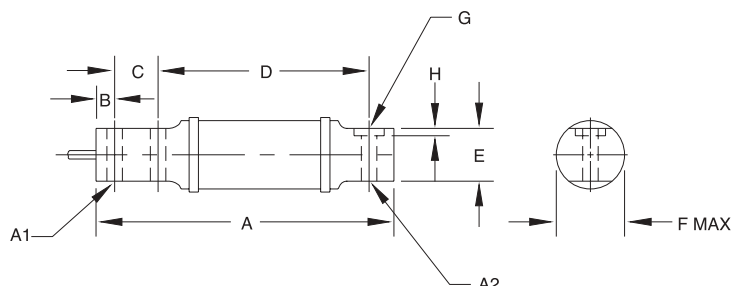
** Non-NTEP

BLC ORDER INFORMATION		
Load Rating	Part #	Suggested List Price
NTEP* Without Counter Bore		
1000 lb (453.6 kg)	63028	\$265.00
2500 lb (1134.0 kg)	63029	\$265.00
4000 lb (1814.4 kg)	63030	\$265.00
5000 lb (2268.0 kg)	63031	\$355.00
10,000 lb (4535.9 kg)	63032	\$450.00

INTERCHANGEABLE PRODUCTS	
Manufacturer	Model
Rice Lake Weighing Systems (see page 108) RLBC**	



BBS Single-Ended Beam, Alloy Steel



RATED CAPACITY

lb/inches
50-100
200-1000
1000 LE-2500
5000-7500

	A	A1	A2	B	C	D	E	F	G	H
50-100	6.00	.31	.31	.38	.88	4.25	1.06	1.38	—	—
200-1000	6.63	.51	.51	.50	1.12	4.25	1.06	1.38	—	—
1000 LE-2500	11.38	.51	.62	.50	1.75	8.25	1.25	2.00	1.28	.12
5000-7500	12.75	.78	.76	.75	2.00	8.50	2.75	3.50	1.38	.18

kg/mm

22.7-45.4
90.7-453.6
453.6 LE-1134.0
2268.0-3401.9

	A	A1	A2	B	C	D	E	F	G	H
22.7-45.4	152.4	7.9	7.9	9.7	22.4	108.0	26.9	35.1	—	—
90.7-453.6	168.4	13.0	13.0	12.7	28.5	108.0	26.9	35.1	—	—
453.6 LE-1134.0	289.1	13.0	15.8	12.7	44.5	210.0	31.8	50.8	32.5	3.1
2268.0-3401.9	323.8	19.8	19.3	19.1	50.8	215.9	69.9	88.9	35.1	4.6

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 50-1000 lb = 750 ohms, nominal
2500-7500 lb = 347 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 AC/DC (18V maximum)
Nonlinearity: 0.03% Full scale
Hysteresis: 0.02% Full scale
Insulation Resistance: 5000 megohms

Deflection at Capacity: 50 lb = .015"/.38 mm, 100 lb = .025"/.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,
5000 lb = .090"/2.29 mm, 7500 lb = .120"/3.05 mm

Seal Type: Environmentally-sealed
Cable Length: 10'/3.1 m
Cable Color Code: Green.....+ Excitation
Black.....- Excitation
White.....+ Signal
Red.....- Signal

Warranty: 1-year limited warranty

BBS ORDER INFORMATION

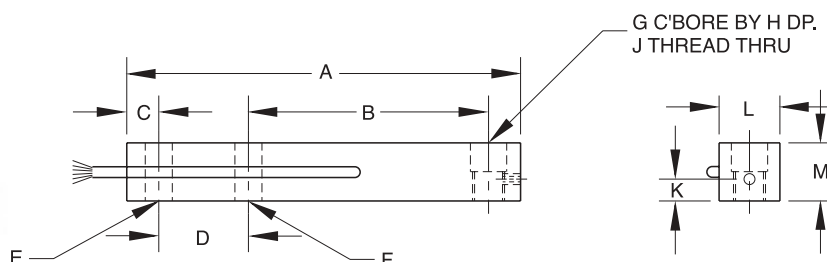
Load Rating	Part #	Suggested List Price
50 lb (22.7 kg)	17352.....	\$425.00
100 lb (45.4 kg)	17353.....	\$425.00
200 lb (90.7 kg)	17354.....	\$425.00
250 lb (113.4 kg)	17355.....	\$425.00
500 lb (226.8 kg)	17356.....	\$425.00
1000 lb (453.6 kg)	17357.....	\$425.00
1000 lb LE (453.6 kg)	26107.....	\$850.00
2500 lb (1134.0 kg)	17358.....	\$850.00
5000 lb (2268.0 kg)	17359.....	\$1,095.00
7500 lb (3401.9 kg)	17360.....	\$1,095.00

LE refers to large envelope

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 124) RL40BBS
Vishay Sensortronics	60007
Vishay BLH	LBG1
Fairbanks®	3-481XX-1, 3-486XX-1

BLF Single-Ended Beam, Stainless Steel



RATED CAPACITY	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
lb/inches												
1500-2500	9.00	6.00	.62	1.75	.59	.53	.69	.56	5/8-18 UNF	.31	1.19	1.13
5000	10.00	6.25	.75	2.00	.84	.78	.94	.50	7/8-14 UNF	.50	1.44	1.44
kg/mm												
680.4-1134.0	228.6	152.4	15.8	44.5	14.9	13.5	17.5	14.2	5/8-18 UNF	7.9	30.2	28.7
2268.0	254.0	158.8	19.1	50.8	21.3	19.8	23.9	12.7	7/8-14 UNF	12.7	36.6	36.6

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 1000 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range
0°F to 150°F/-18°C to 65°C
Manufacturer
Model Number: BLF-XX-15100
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Nonlinearity: 0.03% Full scale

Hysteresis: 0.02% Full scale
Insulation Resistance: 5000 megohms
Seal Type: Environmentally-sealed
Cable Length: 15' / 4.6 m
Cable Color Code: Green + Excitation
Black - Excitation
White + Signal
Red - Signal
Yellow Shield
Warranty: 1-year limited warranty

BLF ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1500 lb (680.4 kg)	21918.....	\$535.00
2500 lb (1134.0 kg)	17114.....	\$535.00
5000 lb (2268.0 kg)	21917.....	\$640.00

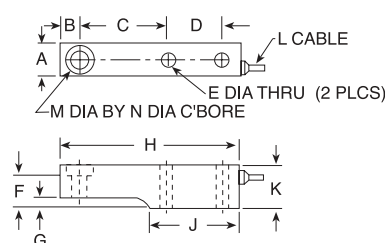
* Load Cup..... 69400.....\$35.00
Locking Screw..... 14929.....\$1.00

* 1500 lb & 2500 lb only

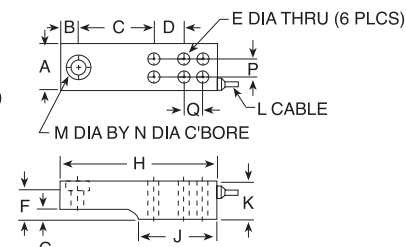
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 130) RLBLF
Fairbanks®	3-53581-X, 3-52921-1

SB3 Single-Ended Beam, Alloy Steel



1000-20,000 lbs/
453.6-9071.9 kg



50,000-115,000 lbs/
22,679.6-52,164 kg



RATED CAPACITY	# MNTG. HOLES	A	B	C	D	E	F	G	H	J	K	L	M	N	P/Q
lb/inches															
1000-5000	2	1.44	.88	3.87	2.50	.52	1.41	.44	8.00	4.00	1.88	10'	.68	1.19	—
10,000	2	1.88	.93	4.87	2.62	.88	2.12	.88	9.25	4.63	2.75	15'	1.00	1.63	—
20,000	2	2.38	1.25	5.50	3.25	1.06	2.44	.75	11.00	5.50	3.25	15'	1.25	2.01	—
50,000	6	3.75	1.75	7.12	3.00	.88	3.41	1.44	14.75	7.38	4.62	35'	1.75	2.89	2.00
100,000-115,000	6	3.75	1.88	7.75	3.62	1.06	4.38	1.62	16.38	8.25	5.62	35'	.67	2.58	2.12
kg/mm															
453.6-2268.0	2	36.6	22.4	98.3	63.5	13.2	35.8	11.2	203.2	101.6	47.8	3.1m	17.3	30.2	—
4535.9	2	47.8	23.6	123.7	66.6	22.4	53.9	22.4	235.0	117.6	69.9	4.6m	25.4	41.4	—
9071.9	2	60.5	31.8	139.7	82.6	26.9	62.0	19.1	279.4	139.7	82.6	4.6m	31.8	51.1	—
22,679.6	6	95.3	44.5	180.9	76.2	22.4	86.6	36.6	374.7	187.5	117.4	10.7m	44.5	73.4	50.8
45,359.2-52,164	6	95.3	47.8	196.9	92.0	26.9	111.3	41.1	416.1	209.6	142.8	10.7m	17.0	65.5	53.9

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms, nominal/1000 ohms (115,000 lb)
 Material/Finish: High-alloy steel
 Temperature: Compensated range 0°F to 150°F/-18°C to 65°C
 Safe Overload: 150% Full scale
 Rated Excitation: 10V DC (18V maximum)
 Nonlinearity: 0.03% Full scale
 Hysteresis: 0.02% Full scale
 Insulation Resistance: 5000 megohms

Deflection at Capacity: 1000 lb = .010"/.25 mm, 2000 lb = .012"/.30 mm, 5000 lb = .014"/.36 mm, 10,000 lb = .018"/.46 mm, 20,000 lb = .028"/.71 mm, 50,000 lb = .040"/1.02 mm, 100,000 & 115,000 lb = .060"/1.52 mm

Seal Type: Environmentally-sealed
 Cable Length: As per "L" on chart above
 Cable Color Code: Green + Excitation
 Black - Excitation
 White + Signal
 Red - Signal
 Yellow Shield

Warranty: 1-year limited warranty

SB3 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	17116.....	\$595.00
2000 lb (909.2 kg)	17117.....	\$595.00
5000 lb (2268.0 kg)	17118.....	\$595.00
10,000 lb (4535.9 kg)	17119.....	\$850.00
20,000 lb (9071.9 kg)	17120.....	\$995.00
50,000 lb (22,679.6 kg)	17121.....	\$1,995.00
100,000 lb (45,359.2 kg)	17122.....	\$2,450.00
*115,000 lb (52,164 kg)	45436.....	\$3,595.00

* Blind load hole

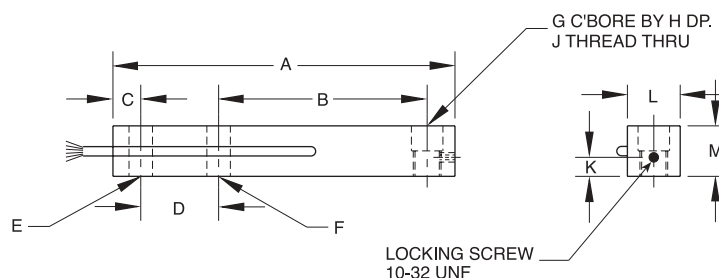
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 118) RLSSB
Revere Transducers.....	(see page 261) SSB
Howe Richardson®	37608XX

WEIGH MODULE AVAILABLE

Model	Page #
RL1900 Series	42
(1000 lb - 10,000 lb capacities)	

SBF Single-Ended Beam, Alloy Steel



RATED CAPACITY	A	B	C	D	E	F	G	H	J	K	L	M
lb/inches												
1500-2500	9.00	6.00	.62	1.75	.59	.53	.69	.50	5/8-18 UNF-2B	.25	1.19	1.12
5000	10.00	6.25	.75	2.00	.84	.78	.94	.50	7/8-14 UNF-2B	.50	1.50	1.50
kg/mm												
680.4-1134.0	228.6	152.4	15.8	44.5	15.0	13.5	17.5	12.7	5/8-18 UNF-2B	6.4	30.2	28.5
2268.0	254.0	158.8	19.1	50.8	21.3	19.8	23.9	12.7	7/8-14 UNF-2B	12.7	38.1	38.1

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V	Insulation Resistance:	5000 megohms
Bridge Resistance:	1000 ohms, nominal	Seal Type:	Environmentally-sealed
Material/Finish:	High-alloy steel, nickel plated	Cable Length:	15'4.6 m
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Cable Color Code:	Green + Excitation Black - Excitation White + Signal Red - Signal Yellow Shield
Safe Overload:	150% Full scale	Warranty:	1-year limited warranty
Rated Excitation:	10V DC (15V maximum)		
Nonlinearity:	0.03% Full scale		
Hysteresis:	0.03% Full scale		

SBF ORDER INFORMATION		
Load Rating	Part #	Suggested List Price
1500 lb (680.4 kg)	21708.....	\$765.00
2500 lb (1134.0 kg)	17115.....	\$765.00
5000 lb (2268.0 kg)	21707.....	\$895.00

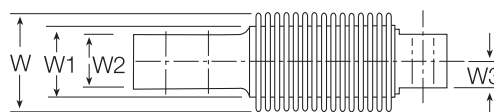
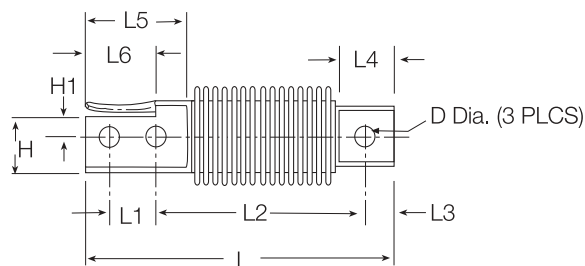
*Load Cup.....	69400.....	\$35.00
Locking Screw.....	14929.....	\$1.00

* 1500 lb & 2500 lb only

INTERCHANGEABLE PRODUCTS	
Manufacturer	Model
Rice Lake Weighing Systems	(see page 129) RLSBF
Fairbanks®	3-48424-X, 3-48363-1A

Z6 Single-Ended Beam, Stainless Steel

Welded-seal, IP67, OIML C3



RATED CAPACITY	DIMENSIONS													
	H	H1	L	L1	L2	L3	L4	L5	L6	W	W1	W2	W3	D
kg/mm														
5-200	23.1	8.1	120.0	18.0	82.0	9.9	21.3	41.9	27.9	41.9	30.0	20.1	9.9	8.20
lb/inches														
11-441.0	.91	.32	4.72	.71	3.23	.39	.84	1.65	1.10	1.65	1.18	.79	.39	.32

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms
 Material/Finish: Stainless steel
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Combined Error: 0.05% Full scale

Insulation Resistance: 5000 megohms
 Seal Type: Welded-seal, IP67
 Cable Length: 3.1 m/10'
 Cable Color Code:
 Green + Excitation
 Black - Excitation
 White + Signal
 Red - Signal
 Yellow Shield
 Warranty: 1-year limited warranty

Z6 ORDER INFORMATION

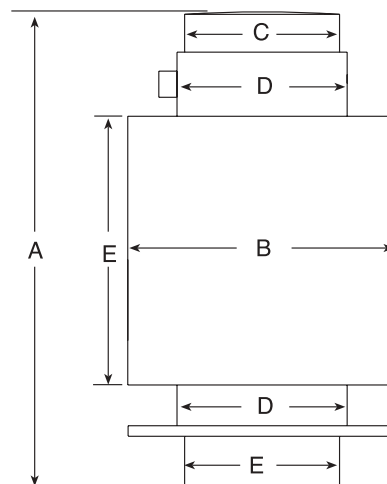
Load Rating	Part #	Suggested List Price
5 kg (11 lb)	36172.....	\$575.00
10 kg (22.0 lb)	36173.....	\$575.00
20 kg (44.1 lb)	36174.....	\$575.00
50 kg (110.2 lb)	36175.....	\$575.00
100 kg (220.5 lb)	36176.....	\$575.00
200 kg (441.0 lb)	36177.....	\$575.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 125) RLHBB
Vishay Celtron	(see page 185) HBB
Revere Transducers.....	(see page 260) SHB
Vishay Teda-Huntleigh	(see page 328) 355

C16 Rocker Column Pin, Stainless Steel

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



RATED CAPACITY	DIMENSIONS					
	A	B	C	D	E	R
t/mm						
20	150.0	76.1	44.0	48.0	76.1	130.0
30	150.0	76.1	44.0	48.0	76.1	160.0
40	150.0	76.1	44.0	48.0	76.1	180.0
t/inches						
20	5.90	3.00	1.73	1.89	3.00	5.11
30	5.90	3.00	1.73	1.89	3.00	6.30
40	5.90	3.00	1.73	1.89	3.00	7.08

SPECIFICATIONS:

Full Scale Output: 2mV/V \pm 1%
Bridge Resistance: 700 ohms
Material/Finish: Stainless steel
Temperature: Compensated range
14°F to 104°F/-10°C to 40°C
Safe Overload: 130% Full scale
Rated Excitation: 10V AC/DC
Combined Error: 0.03%
Insulation Resistance: 5000 megohms

Seal Type: Hermetically-sealed, IP68
Cable Length: 12 m
Cable Color Code: White + Signal
Black - Excitation
Blue + Excitation
Gray - Sense
Red - Signal
Yellow Shield
Green + Sense
Warranty: 1-year limited warranty

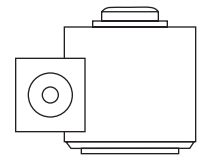
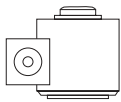
C16 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
20 t.....	69312.....	\$765.00
30 t.....	69313.....	\$765.00
40 t.....	69314.....	\$765.00

WEIGH MODULE AVAILABLE

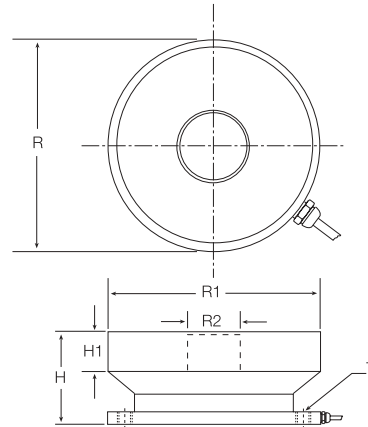
Model

Consult factory



JRT Torsion Ring Transducer, Alloy Steel/Stainless Steel

NTEP 1:10,000 Class IIIL Multiple Cell



RATED CAPACITY	H	H1	DIMENSIONS R	R1	R2	T
lb/inches						
20,000	2.00	.75	4.50	4.42	1.00	3/8-24 UNF
50,000	2.50	1.00	5.50	5.42	1.50	7/16-20 UNF
100,000	2.63	1.13	5.50	5.42	1.50	7/16-20 UNF
kg/mm						
9071.9	50.8	19.1	114.3	112.3	25.4	3/8-24 UNF
22,679.6	63.5	25.4	139.7	137.7	38.1	7/16-20 UNF
45,359.2	66.8	28.7	139.7	137.7	38.1	7/16-20 UNF

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Insulation Resistance:	5000 megohms
Bridge Resistance:	700 ohms	Seal Type:	Environmentally-sealed
Material/Finish:	Alloy steel, Stainless Steel (part #76698)	Cable Length:	35'/10.7 m, 75'/22.8 m (stainless steel only)
Temperature:	Compensated range 14°F to 113°F/-10°C to 45°C	Cable Color Code:	Green + Excitation Black - Excitation White + Signal Red - Signal Yellow Shield
Safe Overload:	150% Full scale	Warranty:	1-year limited warranty
Rated Excitation:	15V AC/DC		
Combined Error:	0.03% Full scale		

JRT ORDER INFORMATION

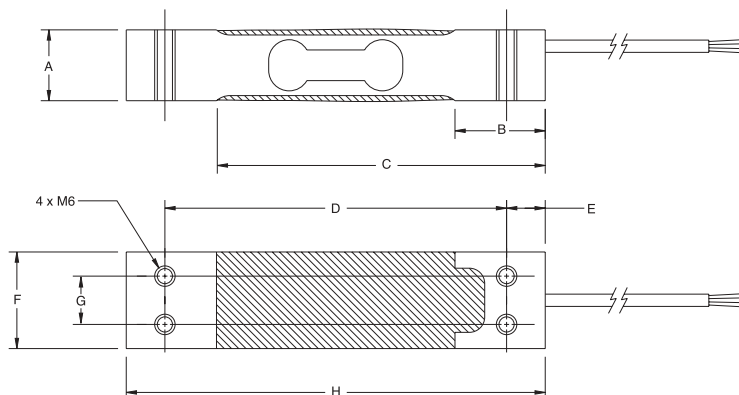
Load Rating	Part #	Suggested List Price
Alloy Steel - NTEP 1:10000		
50,000 lb (22,679.6 kg)	36179	\$1,025.00
100,000 lb (45,359.2 kg)	36180	\$1,150.00
Alloy Steel - Non-NTEP		
20,000 lb (9071.9 kg)	36178	\$925.00
Stainless Steel - Non-NTEP w/spark gap*		
100,000 lb (45,359.2 kg)	76698	\$1,595.00

* RLWS or HBM does not guarantee complete immunity to potential damage caused by lightning or welding

WEIGH MODULE AVAILABLE

Model	Page #
TWM	54

PW6K Single-Point, ALuminum, IP65



RATED CAPACITY	DIMENSIONS							
	A	B	C	D	E	F	G	H
kg/mm								
10-30	21.8	27.9	101.8	105.9	12.0	25.4	14.9	130.0
lb/inches								
22.1-66.2	.86	1.10	4.01	4.17	.47	.99	.59	5.12

SPECIFICATIONS:

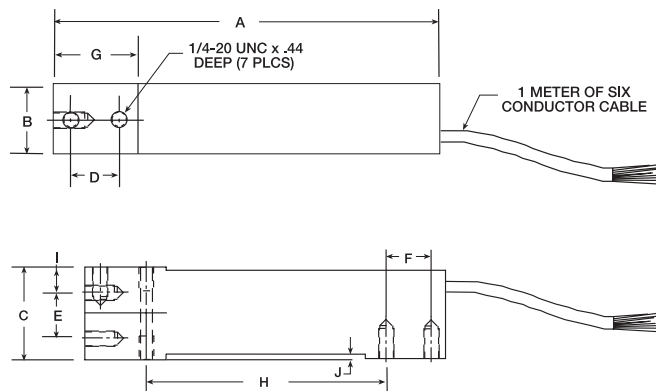
Full Scale Output:	2.0 mV/V \pm 10%	Insulation Resistance:	5000 megohms
Bridge Resistance:	350 ohms	Seal Type:	Environmentally sealed, IP65
Material/Finish:	Anodized aluminum	Cable Length:	355 mm
Temperature:	Compensated range 14°F to 122°F/-10°C to 50°C	Cable Color Code:	Blue + Excitation Black - Excitation White + Signal Red - Signal
Safe Overload:	150% Full scale	Warranty:	1-year limited warranty
Rated Excitation:	15V DC		
Combined Error:	\pm .02		

PW6K ORDER INFORMATION

Load Rating	Part #	Suggested List Price
10 kg (22.1 lb)	69375.....	\$140.00
15 kg (33.1 lb)	69376.....	\$140.00
20 kg (44.1 lb)	69377.....	\$140.00
30 kg (66.2 lb)	69378.....	\$140.00

SP4 Single Point, Aluminum

NTEP 1:5000 Class III Single Cell



RATED CAPACITY

kg/mm
7-100

A	B	C	D	E	F	G	H	I	J
150.3	25.4	39.9	19.1	19.1	19.1	33.8	99.6	11.4	2.4

lb/inches
15.4-220.5

5.92	1.0	1.57	.75	.75	.75	1.33	3.92	.45	.093
------	-----	------	-----	-----	-----	------	------	-----	------

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms nominal
 Material/Finish: Anodized Aluminum
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Safe Overload: 150% Full scale
 Rated Excitation: 10 AC/DC (15V maximum)
 Combined Error: 0.02% Full scale
 Insulation Resistance: 5000 megohms

Deflection at Capacity: 5-100 kg \leq 0.4 mm/.015"
 Seal Type: Environmentally-sealed
 Cable Length: 3.1 m/10'
 Cable Color Code:
 Green.....+ Excitation
 Black.....- Excitation
 Orange...+ Sense
 Blue.....- Sense
 White.....+ Signal
 Red.....- Signal
 Yellow..... Shield
 Warranty: 1-year limited warranty

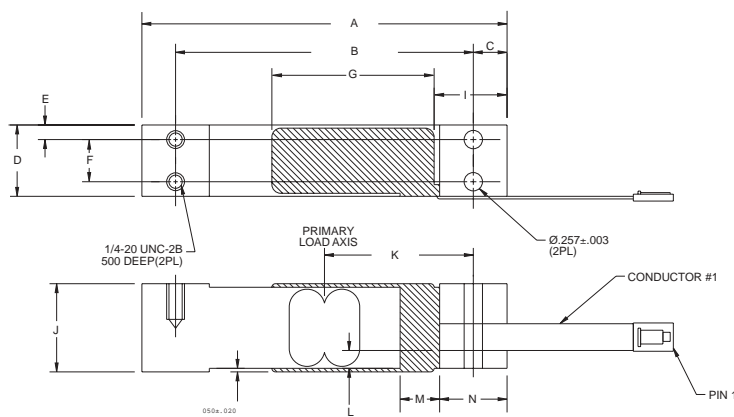
SP4 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
7 kg (15.4 lb)	72764	\$180.00
10 kg (22.1 lb)	72765	\$180.00
15 kg (33.1 lb)	72767	\$180.00
20 kg (44.1 lb)	72769	\$180.00
30 kg (66.2 lb)	72771	\$180.00
50 kg (110.3 lb)	72776	\$180.00
75 kg (165.3 lb)	72777	\$180.00
100 kg (220.5 lb)	72778	\$180.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems.....	(see page 149) RL1042
Revere Transducers Transducers.....	(see page 277) 642
Vishay Tedeo-Huntleigh	(see page 332) 1042

PW2 Single Point, Aluminum, IP65



RATED CAPACITY

kg/mm
6-60

A	B	C	D	E	F	G	I	J	K	L	M	N
129.7	105.9	11.9	25.4	5.0	14.9	51.8	25.9	31.2	52.8	6.3	13.9	23.8

lb/inches
13.2-132.3

5.11	4.17	.47	1.00	.20	.59	2.04	1.02	1.23	2.08	.25	.55	.94
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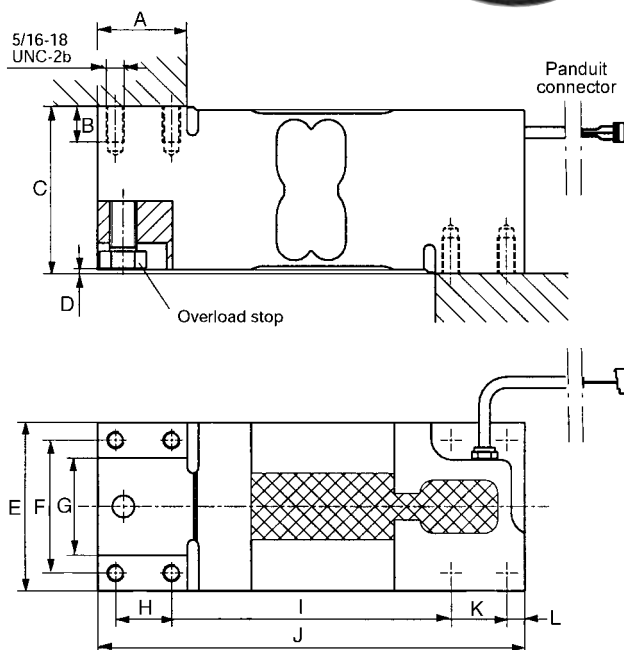
SPECIFICATIONS:

Full Scale Output:	2.4 mV/V	Nonlinearity:	.009 Full scale
Bridge Resistance:	350 ohms	Insulation Resistance:	1 gigohms
Material/Finish:	Anodized aluminum	Seal Type:	Environmentally-sealed, IP65
Temperature:	Compensated range 14°F to 122°F/-10°C to 50°C	Cable Length:	354 mm
Safe Overload:	150% Full scale	Cable Color Code:	Green..... + Signal Red..... - Excitation Black..... + Excitation White..... - Signal
Rated Excitation:	15V DC	Warranty:	1-year limited warranty
Hysteresis:	.009 Full scale		

PW2 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
6 kg (13.2 lb)	69352.....	\$195.00
15 kg (33.0 lb)	69353.....	\$195.00
30 kg (66.1 lb)	69354.....	\$195.00
60 kg (132.3 lb)	69355.....	\$195.00

PW12 Single Point, Aluminum IP67, NTEP 1:5000 Class III Single Cell



RATED CAPACITY

DIMENSIONS

kg/mm

50-1000

A	B	C	D	E	F	G	H	I	J	K	L
40	16	75	1.5	76	60	44	25	125	191	25	8

lb/inches

110.2-2205.0

1.57	.62	2.95	.05	2.99	2.36	1.73	.98	4.92	7.51	.98	.31
------	-----	------	-----	------	------	------	-----	------	------	-----	-----

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Aluminum
Temperature:	Compensated temperature range 14°F to 104°F/-10°C to 40°C
Safe Overload:	150% Full scale
Rated Excitation:	10 VDC (15V maximum)
Total Error:	0.02% Full scale
Insulation Resistance:	1000 megohms

Seal Type:	Environmentally-sealed, IP67
Cable Length:	3.1 m/10'
Cable Color Code:	Blue + Excitation Black - Excitation Green + Sense Grey - Sense White + Signal Red - Signal
Warranty:	1-year limited warranty

PW12 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50 kg (110.2 lb)	76041	\$275.00
75 kg (165.4 lb)	76042	\$275.00
100 kg (220.5 lb)	76040	\$275.00
150 kg (330.7 lb)	76043	\$275.00
200 kg (440.9 lb)	76044	\$275.00
250 kg (551.2 lb)	76045	\$275.00
300 kg (661.4 lb)	76046	\$275.00
500 kg (1102.3 lb)	76047	\$275.00
635 kg (1400.1 lb)	76048	\$275.00
1000 kg (2205.0 lb)	76049	\$275.00

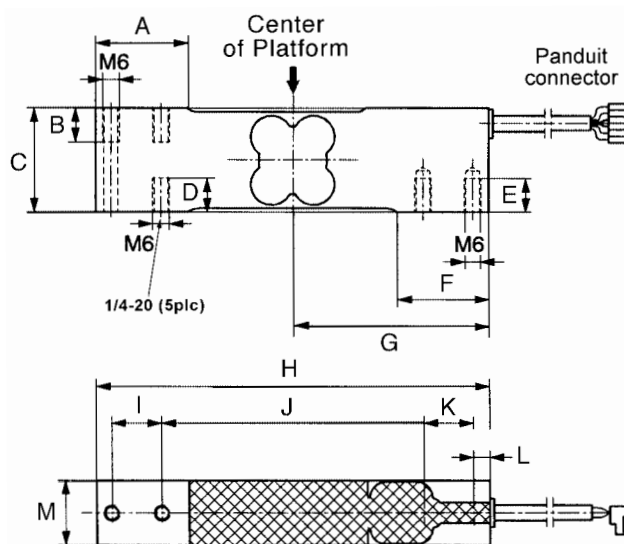
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 155) RL1250
Vishay TedeA-Huntleigh	(see page 341) 1250

PW15 Single Point, Stainless Steel IP65



Pending



RATED CAPACITY	DIMENSIONS												
	A	B	C	D	E	F	G	H	I	J	K	L	M
kg/mm													
10-100	35	13	40	13	13	35	75	150	19	100	19	6.2	25
lb/inches													
22.1-220.5	1.37	.51	1.57	.51	.51	1.37	2.95	5.90	.74	3.93	.74	.24	.98

SPECIFICATIONS:

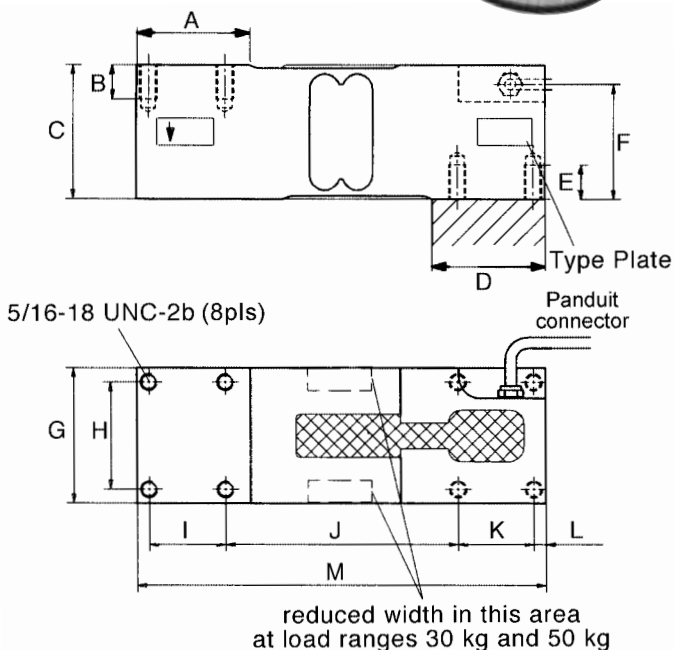
Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated temperature range
14°F to 104°F/-10°C to 40°C
Safe Overload: 150% Full scale
Rated Excitation: 10 VDC (15V maximum)
Total Error: 0.02% Full scale
Insulation Resistance: 1000megohms

Seal Type: Environmentally-sealed
Cable Length: 3.1 m/10'
Cable Color Code: Green..... + Excitation
Black..... - Excitation
Orange.... + Sense
Blue..... - Sense
White..... + Signal
Red..... - Signal
Warranty: 1-year limited warranty

PW15 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
10 kg (22.1 lb)	76769.....	\$295.00
15 kg (33.1 lb)	76771.....	\$295.00
20 kg (44.1 lb)	76772.....	\$295.00
30 kg (66.2 lb)	76773.....	\$295.00
50 kg (110.3 lb)	76774.....	\$295.00
75 kg (165.3 lb)	76775.....	\$295.00
100 kg (220.5 lb)	76776.....	\$295.00

PW16 Single Point, Aluminum IP67, NTEP 1:5000 Class III Single Cell



RATED CAPACITY	DIMENSIONS												
	A	B	C	D	E	F	G	H	I	J	K	L	M
kg/mm													
30-660	52	16	62.3	52	16	52.3	63	50	35	107	35	5.5	188
lb/inches													
66.1-1455.5	2.04	.62	2.45	2.04	.62	2.05	2.48	1.96	1.37	4.21	1.37	.21	7.40

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Aluminum
Temperature: Compensated temperature range
14°F to 104°F/-10°C to 140°C
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Total Error: 0.02% Full scale
Insulation Resistance: 1000 megohms

Seal Type: Environmentally-sealed, IP67
Cable Length: 3.1 m/10'
Cable Color Code: Blue + Excitation
Black - Excitation
Green + Sense
Grey - Sense
White + Signal
Red - Signal
Warranty: 1-year limited warranty

PW12 ORDER INFORMATION

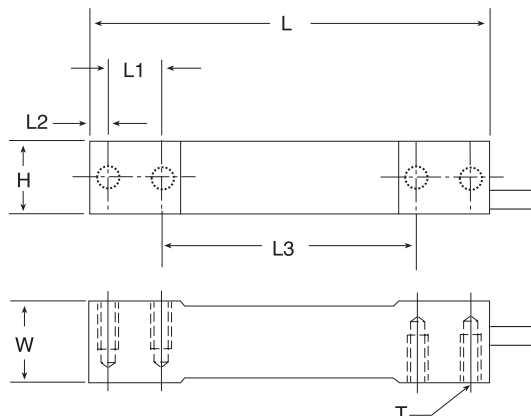
Load Rating	Part #	Suggested List Price
30 kg (66.1 lb)	76083	\$250.00
50 kg (110.2 lb)	76084	\$250.00
75 kg (165.4 lb)	76085	\$250.00
100 kg (220.5 lb)	76086	\$250.00
150 kg (330.7 lb)	76087	\$250.00
200 kg (440.9 lb)	76088	\$250.00
250 kg (551.2 lb)	76089	\$250.00
300 kg (661.4 lb)	76090	\$250.00
500 kg (1102.3 lb)	76091	\$250.00
660 kg (1455.5 lb)	76092	\$250.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 154) RL1260
Vishay TedeA-Huntleigh	(see page 339) 1260

PWS/PWSM Single Point, Stainless Steel

NTEP 1:3000 Class III Single Cell, OIML C3, IP67



RATED CAPACITY	H	L	L1	DIMENSIONS L2	L3	T	W
kg/mm							
7-15	19.1	139.7	19.1	6.4	88.9	1/4-20 UNC	30.2
30-60	23.9	139.7	19.1	6.4	88.9	1/4-20 UNC	30.2
100-150	30.7	139.7	22.3	7.8	79.2	3/8-16 UNC	30.2
lb/inches							
15.4-33.1	.75	5.50	.75	.25	3.50	1/4-20 UNC	1.19
66.1-132.3	.94	5.50	.75	.25	3.50	1/4-20 UNC	1.19
220.5-330.7	1.21	5.50	.88	.31	3.12	3/8-16 UNC	1.19

SPECIFICATIONS:

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

Insulation Resistance: 1000 megohms
Seal Type: Environmentally-sealed, IP67
Cable Length: 3.1 m/10'
Cable Color Code: Green + Excitation
Black - Excitation
White + Signal
Red - Signal
Yellow Shield
Warranty: 1-year limited warranty

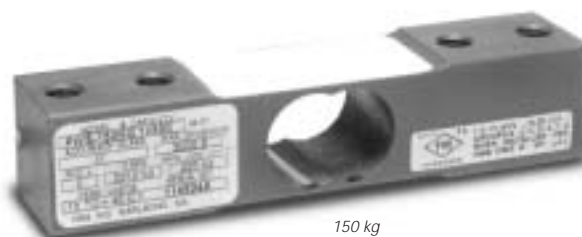
PWS/PWSM ORDER INFORMATION

Load Rating	Part #	Suggested List Price
PWSM OIML*		
7 kg (15.4 lb)	40571	\$300.00
10 kg (22.0 lb)	40570	\$300.00
15 kg (33.1 lb)	40569	\$300.00
30 kg (66.1 lb)	40568	\$300.00
60 kg (132.3 lb)	40567	\$300.00
PWS NTEP 1:3000		
7 kg (15.4 lb)	36185	\$300.00
10 kg (22.0 lb)	36186	\$300.00
15 kg (33.1 lb)	36187	\$300.00
30 kg (66.1 lb)	36188	\$300.00
60 kg (132.3 lb)	36189	\$300.00
100 kg (220.5 lb)	68551	\$300.00
150 kg (330.7 lb)	69345	\$300.00

* Metric threads M6 x 1.00

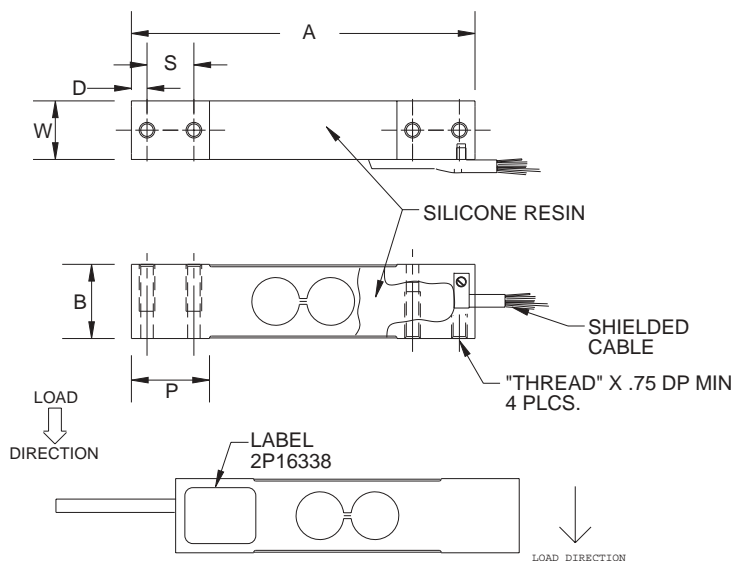
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 152) RL1380



150 kg

PWA Single Point, Aluminum, IP65



RATED CAPACITY	A	D	W	S	B	P	THREAD
kg/mm							
7-15	139.7	6.3	19.0	19.0	29.9	31.7	1/4-20
30-60	139.7	6.3	25.4	19.0	29.9	31.7	1/4-20
100-150	139.7	7.8	31.7	22.3	29.9	38.1	3/8-16
lb/inches							
15.4-33.0	5.50	.25	.75	.75	1.18	1.25	1/4-20
66.1-132.3	5.50	.25	1.00	.75	1.18	1.25	1/4-20
220.5-330.7	5.50	.31	1.25	.88	1.18	1.50	3/8-16

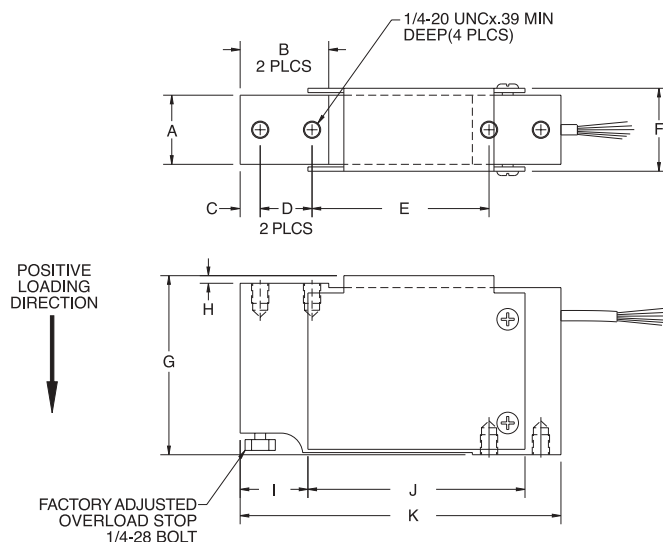
SPECIFICATIONS:

Full Scale Output:	1.8-2.1 mV/V	Seal Type:	Environmentally-sealed, IP65
Bridge Resistance:	350 ohms	Cable Length:	2.1 m/7' (7-30 kg) 3.3 m/11' (100-150 kg)
Material/Finish:	Anodized aluminum	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	Warranty:	1-year limited warranty
Safe Overload:	150% Full scale		
Rated Excitation:	15V DC		
Insulation Resistance:	5000 megohms		

PWA ORDER INFORMATION

Load Rating	Part #	Suggested List Price
7 kg (15.4 lb)	69335	\$195.00
10 kg (22.0 lb)	69336	\$195.00
15 kg (33.0 lb)	69337	\$195.00
30 kg (66.1 lb)	69338	\$195.00
60 kg (132.3 lb)	69339	\$195.00
100 kg (220.5 lb)	69340	\$195.00
150 kg (330.7 lb)	69341	\$195.00

SP10 Single Point, Aluminum, IP65



RATED CAPACITY	DIMENSIONS										
	A	B	C	D	E	F	G	H	I	J	K
kg/mm 3-15	25.4	33.0	7.3	19.0	65.0	30.4	65.7	2.7	24.8	79.7	117.8
lb/inches 6.6-33.0	1.00	1.30	.29	.75	2.56	1.20	2.59	.11	.98	3.14	4.64

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: Anodized aluminum
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Safe Overload: 150% Full scale
 Rated Excitation: 10V DC (15V DC maximum)
 Combined Error: .050% Full scale
 Insulation Resistance: 5000 megohms

Seal Type: Environmentally-sealed, IP65
 Cable Length: 3.1 m/10'
 Cable Color Code: Green.....+ Excitation
 Orange....+ Sense
 Black.....- Excitation
 Blue.....- Sense
 White.....+ Signal
 Red.....- Signal
 Warranty: 1-year limited warranty

SP10 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
3 kg (6.6 lb)	69357	\$155.00
5 kg (11.0 lb)	69361	\$155.00
7 kg (15.4 lb)	69364	\$155.00
10 kg (22.0 lb)	69368	\$155.00
15 kg (33.0 lb)	69370	\$155.00
20 kg (44.1 lb)	69371	\$155.00
30 kg (66.1 lb)	69372	\$155.00
50 kg (110.2 lb)	69373	\$155.00
90 kg (198.4 lb)	69374	\$155.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 147) RL1010
Vishay TedeA-Huntleigh	(see page 330) 1010

Compression Canisters

1200, Alloy Steel/Aluminum Page 244



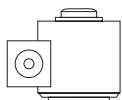
The 1200 Series' compact design permits smaller, more compact testing machines, portability and allows for weighing systems of substantially smaller dimensions. Resistance to extraneous forces produces high fatigue life, permits less stringent mounting alignment, and reduces the possibility of reading errors. Capacities from 1000 to 100,000 lb (453.6 to 45,359.2 kg). Complete with 10'/3.1 m of load cell cable.

3200, Stainless Steel Page 245



The 3200 Series stainless steel load cells are designed specifically for difficult applications in harsh environments. These units incorporate welded stainless steel diaphragms to resist corrosion and to seal against moisture intrusion. These load cells provide high accuracy, resistance to off-center loads with minimum error, excellent temperature specifications, and low height envelope for ease of installation. Capacities from 5000 to 100,000 lb (2268.0 to 45,359.2kg). Complete with 20'/6.1 m of load cell cable.

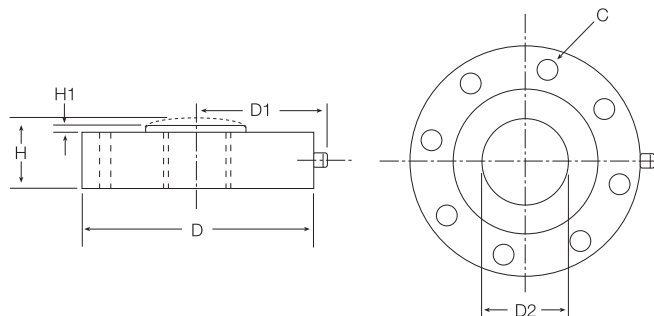
Don't see the specific Interface product you desire?
Call us for a quote. The full line of quality Interface products is available to you from Rice Lake Weighing Systems.



1200 Series Compression Canister, Low Profile Alloy Steel/Aluminum



Model 1211 shown



RATED CAPACITY	C	D	DIMENSIONS D1	D2	H	H1
lb/inches						
1000-10,000	.28 Dia. 8 Holes	4.12	2.63	1.34	1.37	.12
25,000-50,000	.34 Dia. 4 Holes	4.75	2.95	1.57	1.75	.12
100,000	.47 Dia. 12 Holes	7.50	4.32	3.12	2.25	.25
kg/mm						
453.6-4535.9	7.1 Dia. 8 Holes	104.6	66.8	34.0	34.8	3.0
11,339.8-22,679.6	8.6 Dia. 4 Holes	120.7	74.9	39.9	44.5	3.0
45,359.2	11.9 Dia. 12 Holes	190.5	109.7	79.2	57.2	6.4

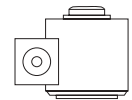
SPECIFICATIONS:

Full Scale Output:	2.0 mV/V (1000-2000 lb) 4.0 mV/V (5000-100,000 lb)	Hysteresis:	0.02-0.04% Full scale
Bridge Resistance:	350 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	1000-2000 lb - Aluminum 5000-100,000 lb - Alloy steel	Seal Type:	Environmentally-sealed
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:	Red + Excitation Black - Excitation Green + Signal White - Signal
Rated Excitation:	10V AC/DC (20V maximum)	Warranty:	2-year limited warranty
Nonlinearity:	0.05% Full scale		

1200 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Aluminum		
1000 lb (453.6 kg)	36132.....	\$650.00
2000 lb (907.2 kg)	36133.....	\$650.00
Alloy Steel		
5000 lb (2268.0 kg)	36134.....	\$765.00
10,000 lb (4535.9 kg)	36135.....	\$765.00
25,000 lb (11,339.8 kg)	36136.....	\$875.00
50,000 lb (22,679.6 kg)	36137.....	\$875.00
100,000 lb (45,359.2 kg)	36138.....	\$1,795.00

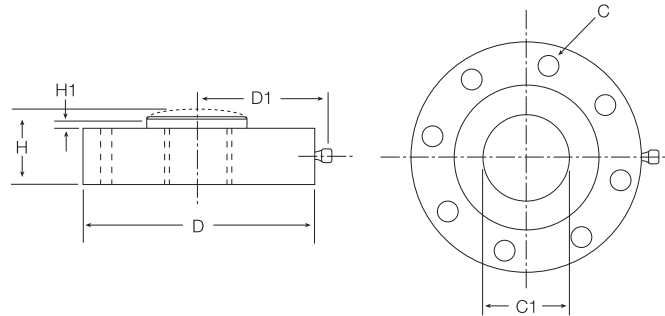
Consult factory for load cell bases



3200 Compression Canister, Low Profile Stainless Steel, Hermetically-sealed, IP66/68



Model 3211 shown



RATED CAPACITY	C	C1	DIMENSIONS D	D1	H	H1
lb/inches						
5000-10,000	.28 Dia. 8 Holes	1.34	4.12	2.56	1.37	.12
25,000-50,000	.34 Dia. 4 Holes	1.57	4.75	2.87	1.75	.12
100,000	.47 Dia. 12 Holes	3.12	7.50	4.25	2.25	.25
kg/mm						
2268.0-4535.9	7.1 Dia. 8 Holes	34.0	104.6	65.0	34.8	3.0
11,339.8-22,679.6	8.6 Dia. 4 Holes	39.9	120.7	72.9	44.5	3.0
45,359.2	11.9 Dia. 12 Holes	79.2	190.5	108.0	57.2	6.4

SPECIFICATIONS:

Full Scale Output:	4.0 mV/V	Insulation Resistance:	5000 megohms
Bridge Resistance:	350 ohms, nominal	Seal Type:	Hermetically-sealed
Material/Finish:	Stainless steel	Cable Length:	20'/6.1m
Temperature:	Compensated range 15°F to 115°F/-9°C to 46°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 (20V maximum)		
Nonlinearity:	0.05% Full scale		
Hysteresis:	0.04% Full scale		

3200 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
5000 lb (2268.0 kg)	36140	\$925.00
10,000 lb (4535.9 kg)	36141	\$925.00
25,000 lb (11,339.8 kg)	36142	\$1,125.00
50,000 lb (22,679.6 kg)	36143	\$1,125.00
100,000 lb (45,359.2 kg)	36144	\$2,295.00

Consult factory for load cell bases

S-Beams



9363, Stainless Steel..... Page 252

S-beam type load cell with a compact and economical design. Ideally suited for scale conversions and general-purpose weighing. NTEP-certified capacities from 100 to 10,000 lb (45.4 to 4535.9 kg); non-NTEP capacity of 50 lb (22.7 kg). Includes 20'6.1 m of load cell cable.



BSP, Stainless Steel Page 253

Welded seal stainless steel S-beam load cell designed for compression and tension. Ideal for scale conversions and general-purpose weighing. NTEP-certified capacities from 100 to 5000 lb (45.4 to 2268.0 kg); non-NTEP capacity of 10,000 lb (4535.9 kg). Integral 30'9.2 m cable.



Single-Ended Beams



5123, Alloy Steel..... Page 254

Low-cost, high performance, single-ended beam designed for low-profile scales and process weighing in both trade and non-trade applications. Capacities of 1000 to 10,000 lb (453.6 to 4535.9 kg). Supplied with a 20'6.1 m cable.



9123, Stainless Steel..... Page 255

Low-cost, high performance, single-ended beam designed for low-profile scales and process weighing in both trade and non-trade applications. Capacities of 1000 to 10,000 lb (453.6 to 4535.9 kg). Supplied with a 20'6.1 m cable.



**Expanded
Capacity
Range!**



9523, Stainless Steel..... Page 256

Single-ended beam offers both welded sealing and stainless steel construction for use in most hostile environments. Applications include platform scales and process weighing. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg).



9102, Stainless Steel..... Page 257

The Model 9102 is a form, fit and function for the RTI 5102. It's constructed of stainless steel and ideally suited for the toughest industrial applications where high accuracy and low profile are required. Capacities from 200 to 2500 lb (90.7 to 1134.0 kg). Complete with 10'3.1 m of load cell cable.



5102, Alloy Steel..... Page 258

The model 5102 is a single-ended beam type load cell. Below 500 lb (226.8 kg) and above are constructed as shear beams. Its high accuracy, low profile and redundant sealing make it well suited for use in small and medium platform scales and process applications in harsh environments. Capacities of 50 to 10,000 lb (22.7 to 4535.9 kg). Supplied with a 10'3.1 m cable.



Single-Ended Beams (Continued)

5723, Alloy Steel..... Page 259



High-performance single-ended link beam uses a well-proven link-loading technique. This low-cost and flexible loading method allows load movement without reading error in tanks, hoppers and platform scales. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg).



SHB, Stainless Steel Page 260



The SHB model is stainless steel and features a welded seal for tough industrial environments where high accuracy and low profile are required. Capacities from 20 to 200 kg (44.1 to 440.9 lb). Integral 10'/3.1 m cable.



SSB, Stainless Steel..... Page 261



Rugged and precise, this single-ended beam offers welded seal protection and stainless steel construction. Designed for use in the most hostile environments. Applications include platform scales, materials testing and process weighing. NTEP-certified capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg).



Double-Ended Beams

5103, Alloy Steel..... Page 262



Designed for truck, track, and process weighing. High accuracy, low profile, tolerance to non-axial loading and redundant seal. NTEP-certified capacities from 5000 to 100,000 (2268.0 to 45,359.2 kg); non-NTEP capacities from 150,000 to 250,000 lb (2268.0 to 113,398.1 kg). Complete with 30'/9.2 m of load cell cable.



9103, Stainless Steel..... Page 263



Stainless steel double-ended beam designed for truck, track, and process weighing. High accuracy, low profile, and tolerance to non-axial loading and redundant seal. Capacities from 5000 to 150,000 lb (2268.0 to 68,038.9 kg). NTEP certified capacities from 10,000 to 100,000 lb. Non-NTEP in 5,000 and 150,000 lb capacities. Complete with 30'/9.2 m of load cell cable.



5223, Alloy Steel..... Page 264



Very high-performance end-loaded, center-supported double-ended beam designed for low-profile truck and track scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Capacities from 50,000 to 100,000 lb (22,679.6 to 45,359.2 kg).



Double-Ended Beams (Continued)

9803, Stainless Steel Page 265



This center loaded double-ended beam is the newest addition to the full-line of Revere Transducer products. Featuring full stainless steel construction this model is ideal for both truck scale and process weighing applications. Available in 50,000 lb and 65,000 lb capacities. Each unit is provided with a standard 30'/9.2 m of load cell cable.



Compression Canisters

RLC, Stainless Steel Page 266



The RLC is a low profile, high performance ring torsion type load cell in stainless steel. This product is suitable for small and medium platform scales as well as process weighing. Capacities from 500 to 5000 kg (1102.3 to 11,023.1 lb).



(Available upon request)

CP, Stainless Steel Page 267



Welded-seal canister cell designed for compression service only. High-capacity transducers built for reliability, durability and extreme precision. CP (Compression Precision) cells are recommended for most industrial applications. Single or dual bridges available for 10,000 lb (4535.9 kg) only. Capacities from 10,000 to 500,000 lb (4535.9 to 226,796.2 kg). Integral 30'/9.2 m cable.



CSP, Stainless Steel Page 268



Welded-seal canister cell designed for compression service only. High-capacity transducers built for reliability, durability and extreme precision. CSP (Compression Super Precision) cells are ideal for applications where optimum precision is needed. Single or dual bridges available for 10,000 lb (4535.9 kg) only. NTEP-certified capacities from 25,000 to 200,000 lb (11,339.8 to 90,718.5 kg); non-NTEP capacities from 10,000 to 500,000 lb (4535.9 to 226,796.2 kg). Integral 30'/9.2 m cable.



792, Stainless Steel Page 269



Single-column design with low deflection and welded-seal for trouble-free operation. High-alloy steel, epoxy coated for trouble-free use in harsh environments. Capacities from 50,000 to 200,000 lb (22,679.6 to 90,718.5 kg). Compact and rugged.



92, Alloy Steel Page 270



High-profile, high-accuracy compression type load cell for truck, tank, track and hopper applications. Ideally suited for harsh environments. Capacities from 5000 to 200,000 lb (2268.0 to 90,718.5 kg). 10'/3.1 m cable.



Compression Canisters (Continued)



93, Alloy Steel Page 271

High-profile, high-accuracy compression type load cell for truck, tank, track and hopper applications. Ideally suited for harsh environments.



Tension/Compression Canisters



42U, Alloy Steel Page 272

Highly accurate and reliable tension canister load cell ideally suited for tank and hopper applications. Welded-seal. Optional stainless steel housing and lightning protection. 2mV/V output. Capacities from 5000 to 50,000 lb (2268.0 to 22,679.6 kg). Includes 10'/3.1 m of load cell cable.



43U, Alloy Steel Page 273

Highly accurate and reliable tension canister load cell ideally suited for tank and hopper applications. Welded-seal. Optional stainless steel housing and lightning protection.



62HU, Alloy Steel Page 274

Dual-guided cantilever beam type cell for use in tension and compression applications. Useful in all low- to medium-level weighing applications in hostile environments. Capacities from 100 to 3000 lb (45.4 to 1360.8 kg). Integral 10'/3.1 m cable.



63HU, Alloy Steel Page 275

Dual-guided cantilever beam type cell for use in tension and compression applications. Useful in all low- to medium-level weighing applications in hostile environments.



USP1, Alloy Steel Page 276

Welded-seal canister load cell combines high linearity with low deflection. USP1 (Universal Super Precision) cells used in tension applications and platform, tank, and hopper weighing installations. Dual bridge output optional. Capacities from 100 to 50,000 lb (45.4 to 22,679.6 kg). Integral 30'/9.2 m cable. 100-1000 lb (45.4-453.6 kg) cells have internal overload stops.



Single Points



642, Aluminum Page 277

Low-profile, single-point load cell. Designed for direct mounting of weighing platforms, hanging scales and other low-capacity beam applications. Long-term stability and durability are maintained. Capacities from 3 to 100 kg (6.6 to 220.5 lb). Includes 10'/3.1 m of load cell cable.



Single Points (Continued)



652, Aluminum..... Page 278

High-capacity, single-point load cell accurately weighs loads from 50 to 1000 kg (110.2-2204.6 lb). Long-term stability and durability are maintained. Includes 10'/3.1 m of load cell cable.



462, Alloy Steel..... Page 279

Very high-performance single-point cell designed for high-precision counter scales. Negligible error from off-center loading. Resistant to severe impact loading. Good water resistance. Capacities from 2 to 250 lb (.9 to 113.4 kg). Includes 10'/3.1 m of load cell cable.



HPS, Stainless Steel..... Page 280

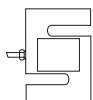
Low-profile single-point load cell designed for bench scale and checkweigher applications in caustic/acidic environments. Insensitive to off-center loading. Tolerates most severe washdowns. Capacities from 13.2 to 100 lb (6 to 45.4 kg). Includes 10'/3.1 m of load cell cable.



HPSM Metric Envelope, Stainless Steel Page 281

Metric envelope. Low-profile single-point load cell designed for bench scale and checkweigher applications in caustic/acidic environments. Insensitive to off-center loading. Tolerates most severe washdowns. Capacity of 6 kg (13.2 lb). Includes 10'/3.1 m of load cell cable.

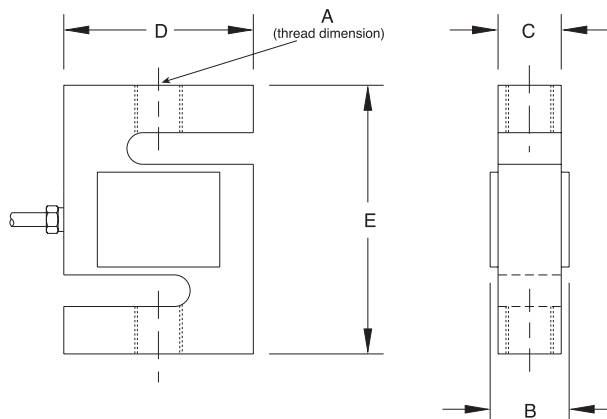




**Revere
Transducers**

9363 S-Beam, Stainless Steel

NTEP 1:10,000 Class IIIL Single Cell, IP67



RATED CAPACITY	DIMENSIONS				
	A	B	C	D	E
lb/inches					
50-300	1/4-28 UNF-2B	.65	.46	2.00	2.40
500-1500	1/2-20 UNF-2B	.90	.71	2.00	2.40
2000	1/2-20 UNF-2B	1.15	.96	2.00	2.40
3000	1/2-20 UNF-2B	1.15	.96	3.00	3.90
5000-10,000	3/4-16 UNF-2B	1.15	.96	3.00	3.90
kg/mm					
22.7-136.1	1/4-28 UNF-2B	16.5	11.7	50.8	61.0
226.8-680.4	1/2-20 UNF-2B	22.9	18.0	50.8	61.0
907.2	1/2-20 UNF-2B	29.2	24.4	50.8	61.0
1360.8	1/2-20 UNF-2B	29.2	24.4	76.2	99.1
2268.0-4535.9	3/4-16 UNF-2B	29.2	24.4	76.2	99.1

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Stainless steel
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Manufacturer	
Model Number:	9363-B10-XX-20P1 (NTEP) 9363-D3-XX-20P1 (Non-NTEP)
Safe Overload:	150% Full Scale
Rated Excitation:	10V DC (15V maximum)

Combined Error:	0.025% Full Scale
Non-repeatability:	0.01% Full Scale
Insulation Resistance:	5000 megohms
Seal Type:	Environmentally-sealed, 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

9363 ORDER INFORMATION

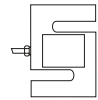
Load Rating	Part #	Suggested List Price
NTEP 1:10,000		
100 lb (45.4 kg)	31317	\$295.00
200 lb (90.7 kg)	31316	\$295.00
300 lb (136.1 kg)	31315	\$295.00
500 lb (226.8 kg)	31314	\$295.00
750 lb (340.2 kg)	31313	\$295.00
1000 lb (453.6 kg)	31312	\$295.00
1500 lb (680.4 kg)	31311	\$295.00
2000 lb (907.2 kg)	31310	\$295.00
3000 lb (1360.8 kg)	31309	\$295.00
5000 lb (2268.0 kg)	31318	\$475.00
10,000 lb (4535.9 kg)	31308	\$550.00
Non-NTEP		
50 lb (22.7 kg)	17076	\$295.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems (see page 99) RL20000 SS
Rice Lake Weighing Systems (see page 100) RL20000 ST

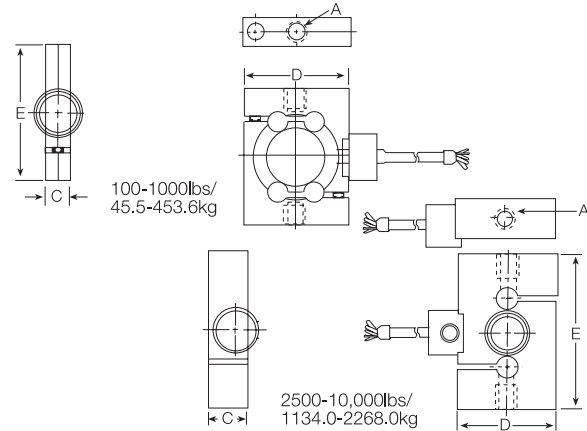
WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	354



BSP S-Beam, Stainless Steel

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



RATED CAPACITY	DIMENSIONS			
	A	C	D	E
lb/inches				
100-250	3/8-24 UNF-3B	.94	2.48	3.32
500	1/2-20 UNF-3B	.71	2.44	3.50
1000	1/2-20 UNF-3B	.71	2.94	3.50
2500	1/2-20 UNF-3B	.95	2.44	3.75
5000-10,000	1-14 UNS-3B	1.44	2.44	4.75
kg/mm				
45.4-113.4	3/8-24 UNF-3B	23.9	63.0	84.3
226.8	1/2-20 UNF-3B	18.0	62.0	88.9
453.6	1/2-20 UNF-3B	18.0	74.7	88.9
1134.0	1/2-20 UNF-3B	24.1	62.0	95.3
2268.0-4535.9	1-14 UNS-3B	36.6	62.0	120.7

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V	Non Repeatability:	0.01% Full Scale
Bridge Resistance:	350 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	Stainless steel	Seal Type:	Welded-seal, IP67
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	Cable Length:	30'/9.2 m
Manufacturer	BSP-D3-XX-30P5 (Non-NTEP)	Cable Color Code:	Green + Excitation Black - Excitation White + Signal Red - Signal
Model Number:	BSP-B10-XX-30P5 (NTEP)	Warranty:	2-year limited warranty
Safe Overload:	150% Full Scale		
Rated Excitation:	10V AC/DC (15V maximum)		
Combined Error:	0.03% Full Scale		

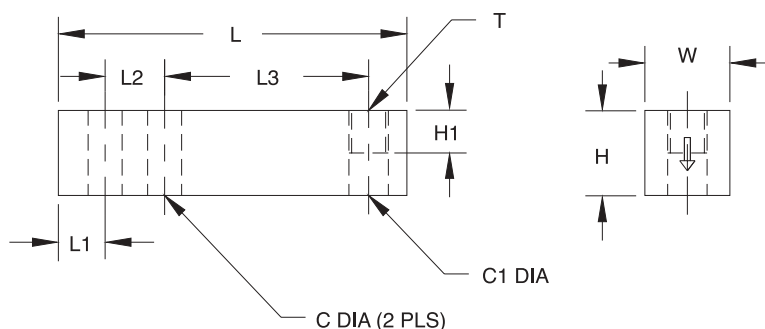
BSP ORDER INFORMATION		
Load Rating	Part #	Suggested List Price
100 lb (45.4 kg)	21447	\$675.00
250 lb (113.4 kg)	21448	\$675.00
500 lb (226.8 kg)	21449	\$675.00
1000 lb (453.6 kg)	21450	\$675.00
2500 lb (1134.0 kg)	21451	\$700.00
5000 lb (2268.0 kg)	21452	\$750.00

Non-NTEP		
10,000 lb (4535.9 kg)	17032	\$750.00

WEIGH MODULE AVAILABLE	
Model	Page #
ITCM Isolated Tension Cell Mount	354

5123 Single-Ended Beam, Alloy Steel

NTEP 1:5000 Class III Multiple Cell, IP67



RATED CAPACITY	C	C1	H	H1	DIMENSIONS					T	W
					L	L1	L2	L3	L4		
lb/inches											
1000-4000	.53	.53	1.25	.62	5.12	.62	1.00	3.00	2.25	1/2-20 UNF-2B	1.25
5000-10,000	.78	.78	1.50	.75	6.75	.75	1.50	3.75	3.00	3/4-16 UNF-2B	1.50
kg/mm											
453.6-1814.4	13.5	13.5	31.8	15.8	130.0	15.8	25.4	76.2	57.2	1/2-20 UNF-2B	31.8
2268.0-4535.9	19.8	19.8	38.1	19.1	171.5	19.1	38.1	95.3	76.2	3/4-16 UNF-2B	38.1

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, nickel plated
Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
Manufacturer:
Model Number: 5123-A5-XX-20P1
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Combined Error: 0.025% Full scale
Non-repeatability: 0.01% Full scale

Insulation Resistance: 5000 megohms
Deflection at Capacity: 1000 lb = .016"/.4 mm, 2500 lb = .03"/.8 mm,
 4000 lb = .04"/1.0 mm, 5000 lb = .035"/.9 mm,
 10,000 lb = .042"/1.1 mm
Seal Type: Environmentally-sealed, 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

5123 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	21516.....	\$225.00
2500 lb (1134.0 kg)	21517.....	\$225.00
4000 lb (1814.4 kg)	21518.....	\$225.00
5000 lb (2268.0 kg)	21519.....	\$375.00
10,000 lb (4535.9 kg)	21520.....	\$375.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 104) RL30000
Vishay Tedea-Huntleigh	(see page 325) 3411
Artech	30310

WEIGH MODULE AVAILABLE

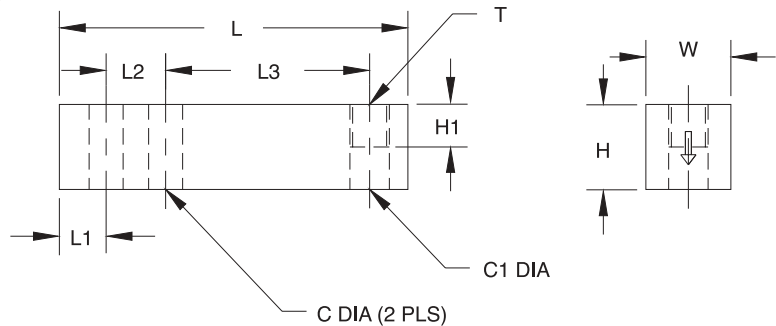
Model	Page #
RL50210 TA	30
RL1800 Series	40



9123 Single-Ended Beam, Stainless Steel

NTEP 1:5000 Class III Multiple Cell, IP67

Expanded
Capacity
Range!



RATED CAPACITY	C	C1	H	H1	L	DIMENSIONS			T	W
						L1	L2	L3		
lb/inches										
250-5000 SE	.53	.53	1.23	.62	5.12	.62	1.00	3.00	1/2-20 UNF-2B	1.23
5000-15,000	.78	.78	1.50	.75	6.75	.75	1.50	3.75	3/4-16 UNF-2B	1.50
20,000	1.06	1.06	1.95	.98	8.75	1.00	2.00	4.75	1-12 UNF-2B	1.95
kg/mm										
453.6-1814.4	13.5	13.5	31.2	15.8	130.1	15.8	25.4	76.2	1/2-20 UNF-2B	31.2
2268.0-6804.0	19.8	19.8	38.1	19.1	171.5	19.1	38.1	95.3	3/4-16 UNF-2B	38.1
9072	26.9	26.9	49.5	24.8	222.2	25.4	50.8	120.6	1-12 UNF-2B	49.5

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 0°F to 150°F/-18°C to 65°C
 Manufacturer: 9123-A5-XX-20P1
 Model Number:
 Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Combined Error: 0.03% Full scale (9123-D3)

Non-repeatability: 0.01% Full scale (9123-D3)
 Insulation Resistance: 5000 megohms
 Seal Type: Environmentally-sealed, 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

9123 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
NTEP		
250 lb (113.4 kg)	69380	\$295.00
500 lb (226.8 kg)	69381	\$295.00
1000 lb (453.6 kg)	69382	\$295.00
2500 lb (1134 kg)	69383	\$295.00
4000 lb (1814.4 kg)	69384	\$295.00
5000 lb SE (2268.0 kg)	69385	\$295.00
5000 lb (2268.0 kg)	69386	\$375.00
10,000lb (4536.0 kg)	69387	\$375.00
15,000 lb (6804.0 kg)	69388	\$645.00
20,000 lb (9072.0 kg)	69389	\$645.00

SE refers to small envelope

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 106) RL39123*
HBM	(see page 224) B35

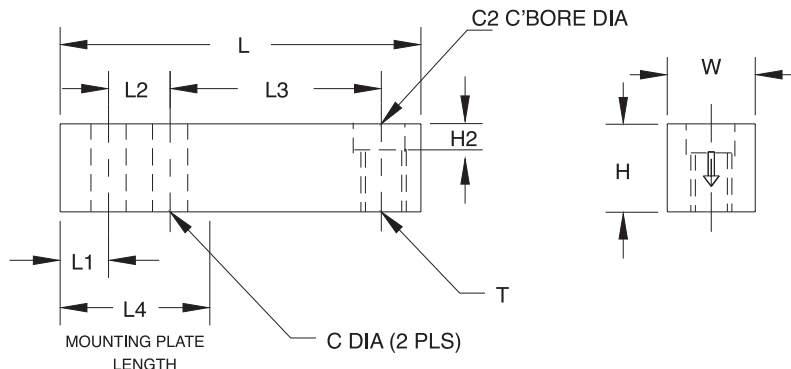
WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	30
RL1800 Series	40

* Non-NTEP

9523 Single-Ended Beam, Stainless Steel

Welded-seal, IP67



RATED CAPACITY	C	C2	H	H2	L	L1	L2	L3	L4	T	W
lb/inches											
1000-4000	.53	.81	1.25	.56	6.12	1.62	1.00	3.00	3.38	1/2-20 UNF	1.25
5000-10,000	.78	1.19	1.50	.59	7.71	1.71	1.50	3.75	4.08	3/4-16 UNF	1.50
kg/mm											
453.6-1814.4	13.5	20.6	31.8	14.2	155.5	41.2	25.4	76.2	85.9	1/2-20 UNF	31.8
2268.0-4535.9	19.8	30.2	38.1	15.0	195.8	43.4	38.1	95.3	103.6	3/4-16 UNF	38.1

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Stainless steel
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C
Manufacturer	
Model Number:	9523-D3-XX-20P1
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (15V maximum)
Non-repeatability:	0.01% Full scale (9523-D3)
Combined Error:	0.03% Full scale (9523-D3)

Insulation Resistance:	5000 megohms
Deflection at Capacity:	1000 lb = .016"/.4 mm, 2500 lb = .03"/.8 mm, 4000 lb = .041"/1.0 mm, 5000 lb = .035"/.9 mm, 10,000 lb = .042"/1.1 mm
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

9523 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	17221	\$525.00
2500 lb (1134.0 kg)	17222	\$525.00
4000 lb (1814.4 kg)	17223	\$525.00
5000 lb (2268.0 kg)	17224	\$575.00
10,000 lb (4535.9 kg)	17225	\$600.00

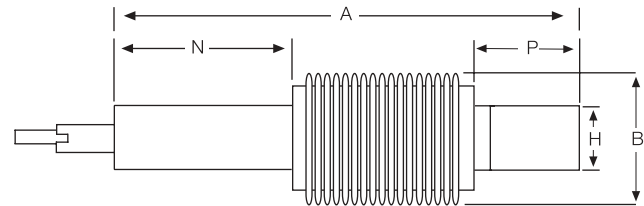
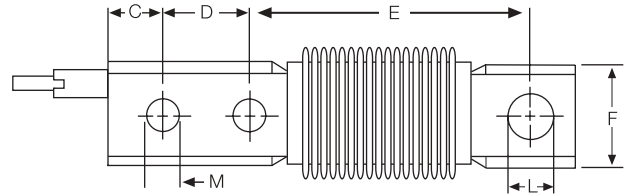
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 114) RL39523**
* Conduit is recommended for maximum protection against ingress of water and moisture through the cable entry	
** Has non-counterbored load hole	



9102 Single-Ended Beam, Stainless Steel

Welded-seal, NTEP 1:5000 Class III, IP66/68



RATED CAPACITY	DIMENSIONS										
	A	B	C	D	E	F	H	L	M	N	P
kg/mm											
90.7	127.0	39.0	9.7	15.9	88.9	31.0	19.0	9.9	6.8	38.1	31.8
226.8-453.6	136.7	39.0	15.8	25.4	82.6	31.0	19.0	10.3	10.3	52.6	30.5
1134.0	136.7	39.0	15.8	25.4	82.6	31.0	19.0	13.5	10.3	52.6	30.5
lb/inches											
200	5.00	1.53	.38	.62	3.50	1.22	.75	.39	.27	1.50	1.25
500-1000	5.38	1.53	.62	1.00	3.25	1.22	.75	.40	.40	2.07	1.20
2500	5.38	1.53	.62	1.00	3.25	1.22	.75	.53	.40	2.07	1.20

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40° C
 Manufacturer
 Model Number: 9102-A5-XX-10P1
 Safe Overload: 150% Full scale
 Rated Excitation: 10V DC (15V maximum)
 Combined Error: 0.03% Full scale

Non-repeatability: 0.01% Full scale
 Insulation Resistance: 5000 megohms
 Deflection at Capacity: 200 lb = .020"/.51 mm, 500-2500 lb = .026"/.66 mm
 Seal Type: Welded-seal, IP66/68
 Cable Length: 3.1 m/10'
 Cable Color Code: Red + Excitation
 Black..... - Excitation
 Green + Signal
 White - Signal
 Orange..... Shield
 Warranty: 2-year limited warranty

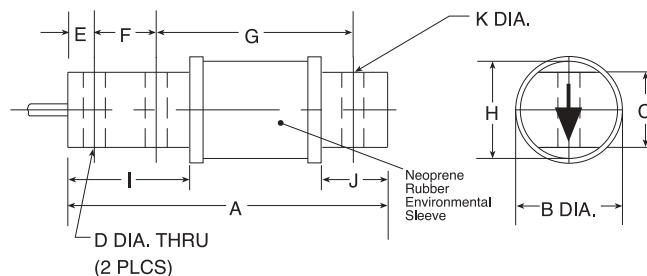
9102 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
200 lb (90.7 kg)	40917	\$795.00
500 lb (226.8 kg)	40918	\$795.00
1000 lb (453.6 kg)	40919	\$795.00
2500 lb (1134.0 kg)	40920	\$795.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Revere Transducers.....	(see page 258) 5102

5102 Single-Ended Beam, Alloy Steel, IP67



RATED CAPACITY

lb/inches

	A	B	C	D	E	F	G	H	I	J	K
50-200	5.00	1.25	.75	.27	.38	.62	3.50	1.23	1.50	1.25	.39
500-1000	5.38	1.25	.75	.41	.62	1.00	3.25	1.23	2.07	1.20	.41
2500	5.38	1.25	.75	.41	.62	1.00	3.25	1.23	2.07	1.20	.53
5000-10000	7.28	1.75	1.38	.66	.75	1.75	4.03	1.70	3.47	1.56	.78

kg/mm

22.7-90.7	127.0	31.7	19.1	6.9	9.7	15.7	88.9	31.2	38.1	31.8	9.9
226.8-453.6	136.7	31.7	19.1	10.4	15.8	25.4	82.6	31.2	52.6	30.5	10.3
1134.0	136.7	31.7	19.1	10.4	15.8	25.4	82.6	31.2	52.6	30.5	13.5
2268.0-4535.9	184.9	44.4	34.9	16.8	19.1	44.5	102.4	43.2	88.1	39.6	19.8

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	High-alloy steel, nickel plated
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C
Safe Overload:	150% Full scale
Rated Excitation:	10V DC (15V maximum)
Combined Error:	0.03% Full scale
Non-repeatability:	0.01% Full scale
Insulation Resistance:	5000 megohms

Deflection at Capacity: 50-200 lb = .020"/.51 mm, 500-2500 lb = .026"/.66 mm
5000-10,000 lb = 0.38"/.97 mm

Seal Type:	Environmentally-sealed with neoprene sleeve, IP67
Cable Length:	10'/3.1 m
Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal Orange Shield

Warranty: 2-year limited warranty

5102 ORDER INFORMATION

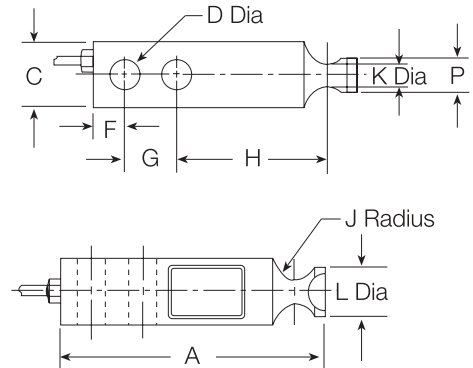
Load Rating	Part #	Suggested List Price
50 lb (22.7 kg)	21709	\$485.00
100 lb (45.4 kg)	21710	\$485.00
200 lb (90.7 kg)	21711	\$485.00
500 lb (226.8 kg)	21712	\$485.00
1000 lb (453.6 kg)	21713	\$505.00
2500 lb (1134.0 kg)	21714	\$505.00
5000 lb (2268.0 kg)	21715	\$585.00
10,000 lb (4535.9 kg)	21716	\$585.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Revere Transducers	(see page 257) 9102

5723 Link Beam, Alloy Steel

NTEP 1:5000 Class III, Multiple Cell, IP67



RATED CAPACITY	DIMENSIONS									
	A	C	D	F	G	H	J	K	L	P
lb/inches										
1000-4000	5.12	1.25	.53	.62	1.00	3.00	.44	.60	.92	.62
5000-10,000	6.75	1.50	.78	.75	1.50	3.75	.56	.86	1.20	.90
kg/mm										
453.6-1814.4	130.1	31.8	13.5	15.8	25.4	76.2	11.2	15.2	23.4	15.8
2268.0-4535.9	171.5	38.1	19.8	19.1	38.1	95.3	14.2	21.8	30.5	22.9

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V	Insulation Resistance:	5000 megohms
Bridge Resistance:	350 ohms, nominal	Deflection at Capacity:	1000 lb = .016"/.4 mm, 2500 lb = .03"/.8 mm, 4000 lb = .04"/1.0 mm, 5000 lb = .035"/.9 mm, 10,000 lb = .042"/1.1 mm
Material/Finish:	High-alloy steel	Seal Type:	Environmentally-sealed, IP67
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Length:	20'/6.1 m
Manufacturer		Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal Orange Shield
Model Number:	5723-A5-XX-20P1	Warranty:	2-year limited warranty
Safe Overload:	150% Full scale		
Rated Excitation:	10V AC/DC (15V maximum)		
Non-repeatability:	0.01% Full scale		
Combined Error:	0.02% Full scale		

5723 ORDER INFORMATION

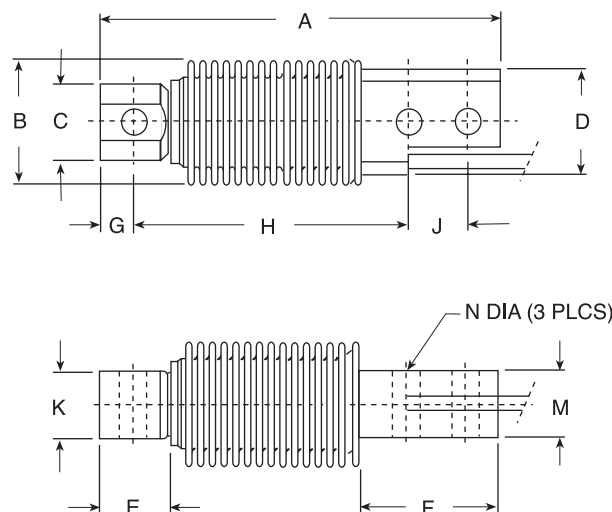
Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	31396	\$295.00
2500 lb (1134.0 kg)	31397	\$325.00
4000 lb (1814.4 kg)	31398	\$325.00
5000 lb (2268.0 kg)	31399	\$450.00
10,000 lb (4535.9 kg)	31400	\$450.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Artech	30410

SHB Single-Ended Beam, Stainless Steel

Welded-seal, IP67, NTEP 1:3000 Class III Single Cell



RATED CAPACITY	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	M	N
kg/mm												
20-200	120.0	38.0	22.9	31.7	21.2	42.0	10.0	82.0	18.0	20.0	20.0	8.20
lb/inches												
44-441	4.72	1.50	.90	1.28	.83	1.65	.39	3.23	.71	.79	.79	.32

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range
14°F to 104°F/-10°C to 40° C
Manufacturer Model Number: SHB-A3-XX-10P5
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Combined Error: 0.03% Full scale (SHB-D3)
0.02% Full scale (SHB-A3)

Non-repeatability: 0.01% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 20-200 kg = .4 mm/.015"
Seal Type: Welded-seal, IP67
Cable Length: 3 m/10'
Cable Color Code: Green + Excitation
Black - Excitation
White + Signal
Red - Signal
Clear Shield
Warranty: 2-year limited warranty

SHB ORDER INFORMATION

Load Rating	Part #	Suggested List Price
NTEP 1:3000		
20 kg (44.1 lb)	28801	\$430.00
50 kg (110.2 lb)	28802	\$430.00
100 kg (220.5 lb)	28803	\$430.00
200 kg (440.9 lb)	28804	\$430.00

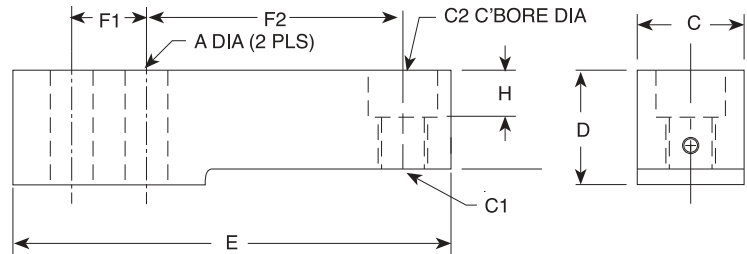
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 125) RLHBB
Vishay Celtron	(see page 185) HBB
HBM	(see page 230) Z6
Vishay Tedea-Huntleigh	(see page 328) 355



SSB Single-Ended Beam, Stainless Steel

Welded-seal, IP67, NTEP 1:3000 Class III Single Cell



RATED CAPACITY	A	C	C1	DIMENSIONS		E	F1	F2	H
				C2	D				
lb/inches									
1000-5000	.53	1.44	.66	1.19	1.88	8.00	2.50	3.87	.47
10,000	.88	1.88	1.00	1.63	2.75	9.25	2.62	4.87	.62
kg/mm									
453.6-2268.0	13.5	36.6	16.7	30.2	47.8	203.2	63.5	98.2	11.9
4535.9	22.4	47.8	25.4	41.4	69.9	235.0	66.5	123.6	15.8

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Stainless steel
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Manufacturer	
Model Number:	SSB-A3-XX-15P5 (NTEP)
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (15V maximum)
Combined Error:	0.02% Full scale
Non-repeatability:	0.01% Full scale

Insulation Resistance:	5000 megohms
Deflection at Capacity:	1000-10,000 lb = .018"/.45 mm,
Seal Type:	Welded-seal*, IP67
Cable Length:	1000-10,000 lb = 15'/4.6 m
Cable Color Code:	Green..... + Excitation Black..... - Excitation White..... + Signal Red..... - Signal Clear..... Shield
Warranty:	2-year limited warranty

SSB ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	21538.....	\$685.00
2000 lb (907.2 kg)	21539.....	\$685.00
5000 lb (2268.0 kg)	21540.....	\$685.00
10,000 lb (4535.9 kg)	21541.....	\$760.00
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

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

INTERCHANGEABLE PRODUCTS

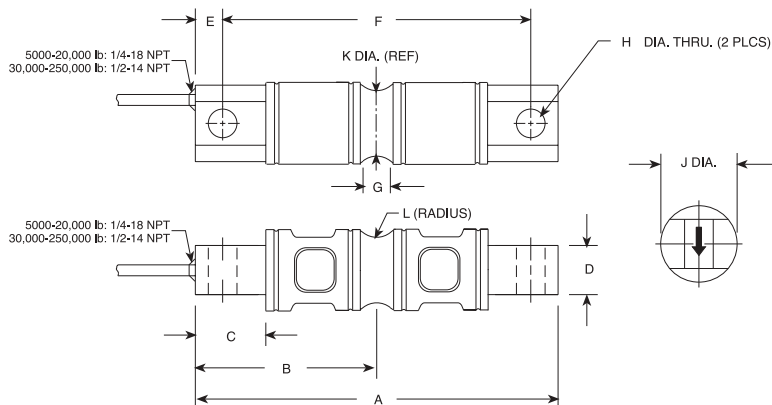
Manufacturer	Model
Rice Lake Weighing Systems	(see page 118) RLSSB
HBM	(see page 228) SB3

WEIGH MODULE AVAILABLE

Model	Page #
RL1900 Series	42

5103 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
lb/inches											
5000-10,000	8.12	4.06	1.44	1.12	.62	6.87	.62	.65	1.70	1.48	.50
20,000	8.12	4.06	1.44	1.12	.62	6.87	.84	.65	1.95	1.48	.50
30,000-60,000	10.25	5.12	1.88	2.37	.88	8.50	1.00	1.06	3.00	2.73	1.00
100,000	11.25	5.62	1.88	2.50	.88	9.50	1.00	1.06	3.50	3.24	1.50
150,000	11.25	5.62	1.88	2.50	.88	9.50	1.25	1.06	3.90	3.64	1.50
200,000-250,000	16.10	8.05	3.05	4.60	1.55	13.00	1.30	1.55	5.375	5.17	2.00
kg/mm											
2268.0-4535.9	206.3	103.1	36.6	28.5	15.8	174.4	15.8	16.5	43.2	37.6	12.7
9071.9	206.3	103.1	36.6	14.2	21.3	174.4	21.3	16.5	49.5	37.6	12.7
13,607.8-27,215.6	260.4	130.1	47.8	60.2	22.4	215.9	25.4	26.9	76.2	69.3	25.4
45,359.4	285.8	142.8	47.8	63.5	22.4	241.3	25.4	26.9	88.9	82.3	25.4
68,093.1	285.8	142.8	47.8	63.5	22.4	241.3	31.8	26.9	99.1	92.5	38.1
90,718.7-113,398.4	408.9	204.5	77.5	116.8	39.4	330.2	33.0	39.3	136.5	131.3	50.8

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V	Insulation Resistance:	5000 megohms
Bridge Resistance:	700 ohms, nominal	Deflection at Capacity:	5000 lb = .02"/.5 mm, 10,000 lb = .025"/.6 mm, 20,000 lb = .042"/1.1 mm, 30,000-50,000 = .02"/.5 mm, 60,000 lb = .025"/.6 mm, 100,000 -150,000 lb = .02"/.5 mm, 200,000-250,000 lb = .035"/.9 mm
Material/Finish:	High-alloy steel, nickel plated	Seal Type:	Environmentally-sealed, IP67
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Length:	30'/9.2 m
Manufacturer		Cable Color Code:	Red + Excitation Black..... - Excitation Green..... + Signal White - Signal Orange.... Shield
Model Number:	5103-B10-XX-30P1 (NTEP) 5103-D3-XX-30P1 (Non-NTEP)	Warranty:	2-year limited warranty
Safe Overload:	150% Full scale		
Rated Excitation:	10V AC/DC (15V maximum)		
Non-repeatability:	0.01% Full scale		
Combined Error:	0.025% Full scale (0.03% Non-NTEP)		

5103 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
5000 lb (2268.0 kg)	34494.....	\$655.00
10,000 lb (4535.9 kg)	34495.....	\$655.00
20,000 lb (9071.9 kg)	34496.....	\$655.00
30,000 lb (13,607.8 kg)	34497.....	\$755.00
40,000 lb (18,143.7 kg)	34498.....	\$755.00
50,000 lb (22,679.7 kg)	34499.....	\$845.00
60,000 lb (27,215.6 kg)	34500.....	\$845.00
100,000 lb (45,359.4 kg)	34501.....	\$1,475.00

Non-NTEP

150,000 lb (68,039.1 kg)	17292.....	\$1,475.00
200,000 lb (90,718.7 kg)	17293.....	\$2,450.00
250,000 lb (113,398.4 kg)	17294.....	\$2,450.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 132) RL70000

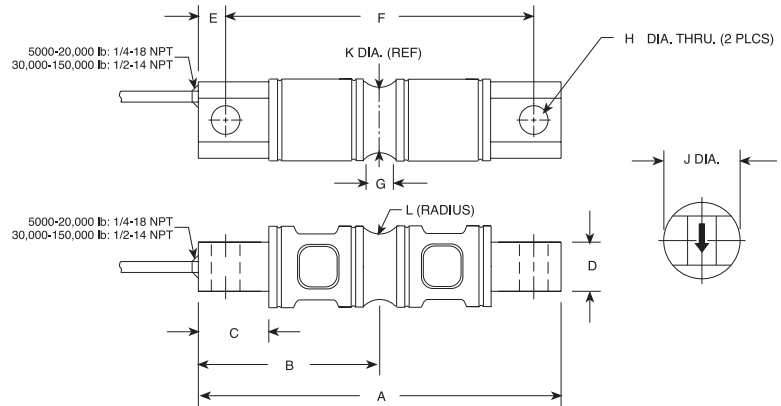
WEIGH MODULE AVAILABLE

Model	Page #
EZ Mount 1	56



9103 Double-Ended Beam, Stainless Steel

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



RATED CAPACITY

lb/inches
5000-10,000
20,000
30,000-60,000
100,000
150,000

	A	B	C	D	DIMENSIONS							
					E	F	G	H	J	K	L	
5000-10,000	8.12	4.06	1.44	1.12	.62	6.88	.62	.66	1.70	1.48	.50	
20,000	8.12	4.06	1.44	1.12	.62	6.88	.84	.66	1.95	1.48	.50	
30,000-60,000	10.25	5.12	1.88	2.37	.88	8.50	1.00	1.06	3.00	2.73	1.00	
100,000	11.25	5.62	1.88	2.50	.88	9.50	1.00	1.06	3.50	3.24	1.50	
150,000	11.25	5.62	1.88	2.50	.88	9.50	1.25	1.06	3.90	3.64	1.50	

kg/mm

2268.0-4535.9
9071.9
13,607.8-27,215.6
45,359.4
68,093.1

2268.0-4535.9	206.3	103.1	36.6	28.5	15.8	174.8	15.8	16.8	43.2	37.6	12.7	
9071.9	206.3	103.1	36.6	14.2	21.3	174.8	21.3	16.8	49.5	37.6	12.7	
13,607.8-27,215.6	260.4	130.1	47.8	60.2	22.4	215.9	25.4	26.9	76.2	69.3	25.4	
45,359.4	285.8	142.8	47.8	63.5	22.4	241.3	25.4	26.9	88.9	82.3	25.4	
68,093.1	285.8	142.8	47.8	63.5	22.4	241.3	31.8	26.9	99.1	92.5	38.1	

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
Bridge Resistance: 700 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range
14°F to 104°F/-10°C to 40°C
Manufacturer
Model Number: 9103-D3-XX-30P1
9103-B10-XX-30P1
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (15V max)
Non-repeatability: 0.02% Full scale
Combined Error: 0.03% Full scale

Insulation Resistance: 5000 megohms
Deflection at Capacity: 5000 lb = .025"/.6 mm, 10,000 lb = .025"/.6 mm,
20,000 lb = .042"/1.1 mm, 30,000-50,000 = .025"/.5 mm,
60,000 lb = .025"/.6 mm, 100,000 -150,000 lb = .025"/.5 mm
Seal Type: Environmentally-sealed, IP67
Cable Length: 30'/9.2 m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Orange Shield
Warranty: 2-year limited warranty

9103 ORDER INFORMATION

Rated Capacity	Part #	Suggested List Price
NTEP		
10,000 lb (4535.9 kg)	17329.....	\$750.00
20,000 lb (9071.9 kg)	17330.....	\$750.00
30,000 lb (13,607.8 kg)	17331.....	\$825.00
40,000 lb (18,143.7 kg)	17332.....	\$825.00
50,000 lb (22,679.6 kg)	17333.....	\$925.00
60,000 lb (27,215.5 kg)	17334.....	\$925.00
100,000 lb (45,359.2 kg)	17335.....	\$1,825.00
Non-NTEP		
5000 lb (2268.0 kg)	17328.....	\$700.00
150,000 lb (68,038.9 kg)	17336.....	\$1,875.00

INTERCHANGEABLE PRODUCTS

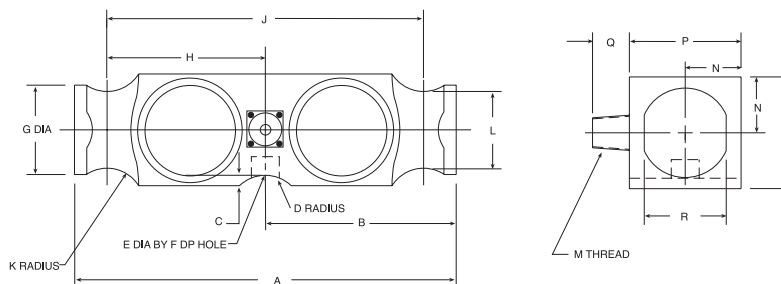
Manufacturer	Model
Rice Lake Weighing Systems	(see page 133) RL70000 SS
Rice Lake Weighing Systems	(see page 134) RL71000 HE

WEIGH MODULE AVAILABLE

Model	Page #
EZ Mount 1	58

5223 Link Beam, Alloy Steel

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



RATED CAPACITY	A	B	C	D	E	F	DIMENSIONS								N	P	Q	R
lb/inches							G	H	J	K	L	M						
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		
kg/mm																		
22,679.6-29,483.5	260.4	130.1	7.1	25.4	19.1	19.8	61.0	108.0	215.9	25.4	52.3	1/2-14 NPT	38.1	76.2	26.2	55.9		
45,359.2	260.4	130.1	7.1	25.4	—	—	61.0	108.0	215.9	25.4	52.3	1/2-14 NPT	38.1	76.2	26.2	55.9		

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
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
Manufacturer Model Number: 5223-B10-XX-40P1 (1:10,000)
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (20V maximum)
Non-repeatability: 0.01% Full scale
Combined Error: 0.025% 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*, IP67
Cable Length: 40'/12.2 m
Cable Color Code: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
 Orange Shield
Warranty: 2-year limited warranty

5223 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50,000 lb (22,679.6 kg)	21605.....	\$850.00
65,000 lb (29,483.5 kg)	21606.....	\$850.00
100,000 lb (45,359.2 kg)	21607.....	\$1,200.00

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

INTERCHANGEABLE PRODUCTS

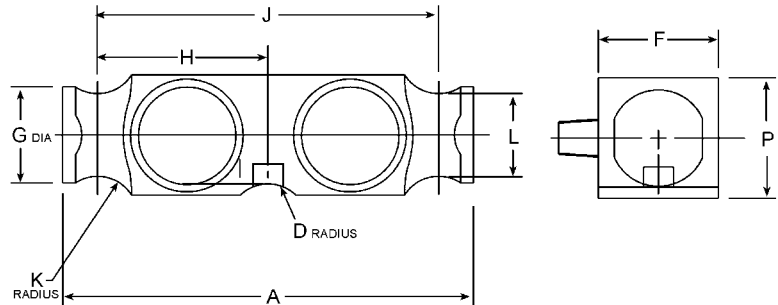
Manufacturer	Model
Rice Lake Weighing Systems	(see page 140) RL75223
Thurman®	TSC 800
Vishay Celtron	(see page 190) HED

WEIGH MODULE AVAILABLE

Model	Page #
Translink™	78

9803 Link Beam, Stainless Steel

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



RATED CAPACITY	DIMENSIONS								
	A	D	F	G	H	J	K	L	P
lb/inches									
50,000-65,000	10.25	1.00	1.94	2.40	4.25	8.50	1.00	2.06	2.94
kg/mm									
50,000-65,000	260.3	25.4	49.3	60.9	107.9	215.9	25.4	52.3	74.7

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
 Bridge Resistance: 700 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Manufacturer
 Model Number: 9803-B10-XX-30P1
 Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Non-repeatability: 0.01% Full scale

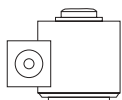
Combined Error: 0.02% Full scale
 Insulation Resistance: 5000 megohms
 Seal Type: Environmentally-sealed, IP67
 Cable Length: 30'/9.2 m
 Cable Color Code: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
 Warranty: 2-year limited warranty

9803 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50,000 lb (22,679.6 kg)	69489	\$920.00
65,000 lb (29,483.5 kg)	69490	\$920.00

INTERCHANGEABLE PRODUCTS

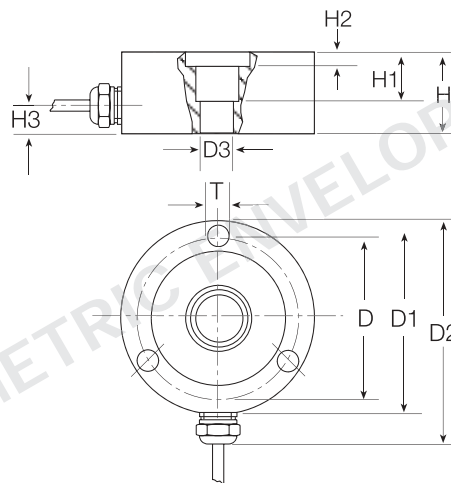
Manufacturer	Model
NV Technology	BLC-2
Thurman®	10088970A-50K



Revere
Transducers

RLC Compression Canister, Stainless Steel

NTEP 1:10,000 Class IIIL, Hermetically-sealed, IP66/68



(Available upon request)

RATED CAPACITY	DIMENSIONS								
	D	D1	D2	D3	H	H1	H2	H3	T
kg/mm									
500-1000	70.0	80.0	97.5	10.0	25.0	15.0	1.0	9.5	M6 (3x120°)
2000-5000	70.0	80.0	97.5	15.0	30.0	20.0	6.0	8.5	M6 (3x120°)
lb/inches									
1102.3-2204.6	2.76	3.15	3.84	.40	.99	.60	.04	.37	M6 (3x120°)
4409.2-11,023.1	2.76	3.15	3.84	.60	1.18	.79	.24	.33	M6 (3x120°)

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V
Bridge Resistance:	1000 ohms
Material/Finish:	Stainless steel
Temperature:	Operating range -22°F to 158°F/-30°C to 70°C Compensated range 14°F to 104°F/-10°C to 40°C
Manufacturer	
Model Number:	RLC-B10-XX-5MP1
Safe Overload:	150% Full scale
Rated Excitation:	5V AC/DC (15V maximum)

Combined Error:	0.02% Full scale
Insulation Resistance:	>5000 megohms
Seal Type:	Hermetically-sealed, IP66/68
Cable Length:	3 m (500-1000 kg) 5 m (2000-5000 kg)
Cable Color Code:	Pink + Excitation Grey - Excitation Brown + Signal White - Signal
Warranty:	2-year limited warranty

RLC ORDER INFORMATION

Load Rating	Part #	Suggested List Price
500 kg (1102.3 lb).....	36190	\$525.00
1000 kg (2204.6 lb).....	36191	\$525.00
2000 kg (4409.2 lb).....	36192	\$565.00
3500 kg (7717.5 lb).....	36193	\$565.00
5000 kg (11,023.1 lb).....	36194	\$565.00

WEIGH MODULE AVAILABLE

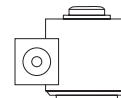
Model	Page #
RLC	50

Revere Transducers, Inc.

www.rlws.com

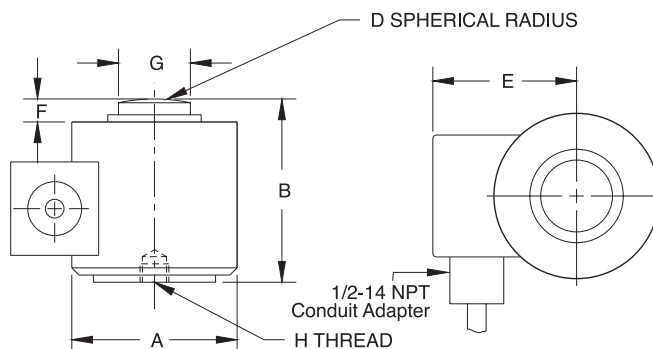
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CP Compression Canister, Stainless Steel

Welded-seal, IP68



RATED CAPACITY	A	B	D	DIMENSIONS			H	DEPTH OF H
				E	F	G		
lb/inches								
10,000-50,000	2.88	3.25	6.00	3.30	.40	1.25	1/2-20 UNF-2B	.31
100,000	4.12	5.00	6.00	3.50	.51	2.31	3/4-16 UNF-2B	.56
200,000-300,000	6.00	7.25	17.00	4.60	1.04	3.13	3/4-16 UNF-2B	.75
500,000	6.50	9.00	17.00	4.80	.56	3.69	3/4-16 UNF-2B	.75
kg/mm								
4535.9-22,679.6	73.2	82.6	152.4	83.8	10.2	31.8	1/2-20 UNF-2B	7.9
45,359.2	104.7	127.0	152.4	88.9	13.0	58.7	3/4-16 UNF-2B	14.2
90,718.5-136,077.7	152.4	184.2	431.8	116.8	26.4	79.5	3/4-16 UNF-2B	19.1
226,796.2	165.1	228.6	431.8	121.9	14.2	93.7	3/4-16 UNF-2B	19.1

SPECIFICATIONS:

Full Scale Output:	1.75 mV/V
Bridge Resistance:	480 ohms, nominal
Material/Finish:	Stainless steel
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C
Manufacturer	
Model Number:	CP-D3-XX-30S5
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (15V maximum)
Combined Error:	0.15% Full scale
Non-repeatability:	0.03% Full scale

Insulation Resistance:	5000 megohms
Deflection at Capacity:	10,000-50,000 lb = .003"/.076 mm, 100,000-300,000 lb = .006"/.152 mm, 500,000 lb = .009"/.228 mm
Seal Type:	Welded-seal, IP68
Cable Length:	30'/9.2 m
Cable Color Code:	Green..... + Excitation Black..... - Excitation White..... + Signal Red..... - Signal Orange.... Shield
Warranty:	2-year limited warranty

CP ORDER INFORMATION

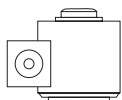
Load Rating	Part #	Suggested List Price
10,000 lb (4535.9 kg)	17588.....	\$1,315.00
25,000 lb (11,339.8 kg)	17589.....	\$1,315.00
50,000 lb (22,679.6 kg)	17590.....	\$1,315.00
100,000 lb (45,359.2 kg)	17591.....	\$1,465.00
200,000 lb (90,718.5 kg)	17592.....	\$2,095.00
300,000 lb (136,077.7 kg)	17593.....	\$2,305.00
500,000 lb (226,796.2 kg)	17594.....	\$4,480.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Artech	90210
Cardinal®	CP1
Howe Richardson®	20908XXX
Revere Transducers.....	392B
Streeter Amet.....	3753070, 3752030, 3752040, 3751940

WEIGH MODULE AVAILABLE

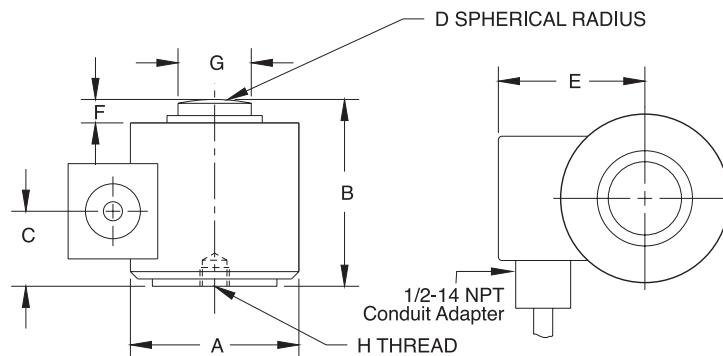
Model	Page #
MagnaMount®	82



**Revere
Transducers**

CSP Compression Canister, Stainless Steel

Welded-seal, IP68, NTEP 1:10,000 Class IIIL Multiple Cell



RATED CAPACITY	A	B	C	D	E	F	G	H	DEPTH OF H
lb/inches									
10,000-50,000	2.88	3.25	1.28	6.00	2.51	.40	1.25	1/2-20 UNF-2B	.38
100,000	4.12	5.00	2.15	6.00	3.39	.51	2.31	3/4-16 UNF-2B	.56
200,000-300,000	6.00	7.25	3.63	17.00	4.26	1.04	3.13	3/4-16 UNF-2B	.75
500,000	6.50	9.00	4.34	17.00	4.59	.56	3.69	3/4-16 UNF-2B	.75
kg/mm									
4535.9-22,679.6	73.2	82.6	32.5	152.4	63.8	10.2	31.8	1/2-20 UNF-2B	9.7
45,359.2	104.7	127.0	54.6	152.4	86.1	13.0	58.7	3/4-16 UNF-2B	14.2
90,718.5-136,077.7	152.4	184.2	92.2	431.8	108.2	26.4	79.5	3/4-16 UNF-2B	19.1
226,796.2	165.1	228.6	110.2	431.8	116.6	14.2	93.7	3/4-16 UNF-2B	19.1

SPECIFICATIONS:

Full Scale Output: 2 mV/V
 Bridge Resistance: 480 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Operating range
 14°F to 104°F/-10°C to 40°C

Manufacturer
 Model Number: CSP-B10-XX-30P5 (NTEP 1:10,000)
 CSP-D3-XX-30P5 (Non-NTEP)

Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Combined Error: 0.02% Full scale (0.05% Non-NTEP)
 Non-repeatability: 0.01% Full scale

Insulation Resistance: 5000 megohms
 Deflection at Capacity: 10,000-50,000 lb = .003"/.76 mm,
 100,000-300,000 lb = .006"/.152 mm,
 500,000 lb = .009"/.228 mm

Seal Type: Welded-seal, IP68
 Cable Length: 30'/9.2 m
 Cable Color Code: Green..... + Excitation
 Black..... - Excitation
 White..... + Signal
 Red..... - Signal
 Orange..... Shield

Warranty: 2-year limited warranty

CSP ORDER INFORMATION

Load Rating	Part #	Suggested List Price
NTEP 1:10000		
25,000 lb (11,339.8 kg)	21649.....	\$1,605.00
50,000 lb (22,679.6 kg)	21650.....	\$1,605.00
100,000 lb (45,359.2 kg)	21651.....	\$1,785.00
200,000 lb (90,718.5 kg)	21652.....	\$2,395.00
Non-NTEP		
10,000 lb (4535.9 kg)	17595.....	\$1,520.00
300,000 lb (136,077.7 kg)	17597.....	\$2,495.00
500,000 lb (226,796.2 kg)	17598.....	\$4,685.00

[†] Load cell diameter may not be identical

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 142) RLCSP1 [†]
Artech	90310 [†]
Howe Richardson®	244699-000X [†]
Revere Transducers.....	692B [†]
Streeter Amet.	3760XX [†]

Revere Transducers, Inc.

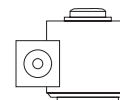
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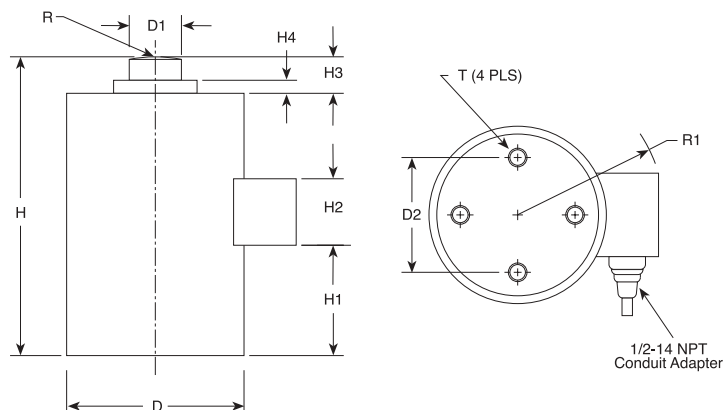


**Revere
Transducers**



792 Compression Canister, Stainless Steel

Welded-seal, IP68, NTEP 1:10,000 Class IIIL Multiple Cell



RATED CAPACITY	D	D1	D2	H	H1	H2	H3	H4	R	R1	T
lb/inches											
50,000	4.50	1.25	2.38	7.50	3.06	1.60	.75	.25	6.00	3.75	3/8-24 UNF X .63 DP
100,000	5.75	1.75	4.00	9.13	2.60	1.60	1.05	.17	12.00	4.05	1/2-20 UNF X .75 DP
200,000	7.50	2.50	5.50	11.63	3.95	1.60	.97	.17	12.00	5.11	5/8-18 UNF X 1.00 DP
kg/mm											
22,679.6	114.3	31.8	58.4	190.5	77.7	40.6	19.1	6.4	152.4	95.3	3/8-24 UNF X 16.0 DP
45,359.2	146.1	44.5	101.6	231.9	66.0	40.6	26.6	4.3	304.8	102.9	1/2-20 UNF X 19.1 DP
90,718.5	190.5	63.5	139.7	295.4	100.3	40.6	24.6	4.3	304.8	129.8	5/8-18 UNF X 25.4 DP

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Operating range -65°F to 200°F/-56°C to 93°C
 Compensated range 14°F to 104°F/-10°C to 40°C
Manufacturer:
Model Number: 792-B10-XX-35P5
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Non-repeatability: 0.01% Full scale

Combined Error: 0.03% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 50,000 lb = .004"/.10 2mm,
 100,000 lb = .006"/.152 mm,
 200,000 lb = .009"/.228 mm
Seal Type: Welded-seal, IP68
Cable Length: 35'/10.7 m
Cable Color Code: Green..... + Excitation
 Black..... - Excitation
 White..... + Signal
 Red..... - Signal
 Clear..... Shield
Warranty: 2-year limited warranty

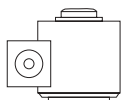
792 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50,000 lb (22,679.6 kg)	31307	\$1,500.00
100,000 lb (45,359.2 kg)	31306	\$1,500.00
200,000 lb (90,718.5 kg)	31305	\$2,000.00

INTERCHANGEABLE INFORMATION

Manufacturer	Model
Rice Lake Weighing Systems	(see page 144) RL8C2P1SS
Artech	90405

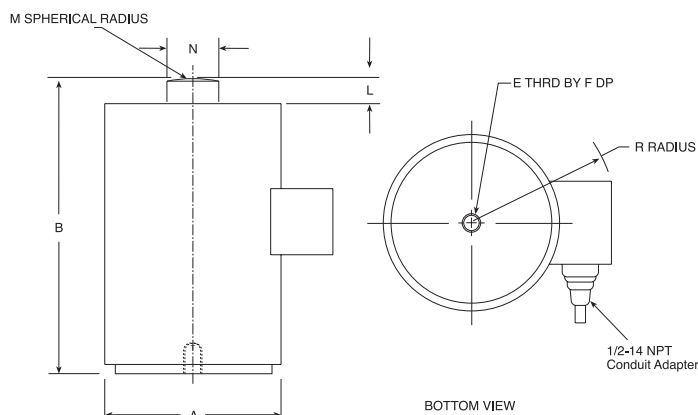
Revere Transducers, Inc.



**Revere
Transducers**

92 Compression Canister, Alloy Steel

Welded-seal, IP68



RATED CAPACITY	A	B	E	F	L	M	N	R
lb/inches								
5000-10,000	3.53	4.00	1/2-20 UNF	.50	.40	6.00	1.00	3.50
20,000-25,000	3.53	5.00	1/2-20 UNF	.40	.40	6.00	1.00	3.50
50,000	4.25	6.00	3/4-16 UNF	.56	.50	6.00	1.50	3.80
100,000	5.03	8.50	3/4-16 UNF	.56	.63	12.00	1.75	4.00
150,000-200,000	6.53	11.13	3/4-16 UNF	.56	.63	12.00	2.50	4.80
kg/mm								
2268.0-4535.9	89.7	101.6	1/2-20 UNF	12.7	10.2	152.4	25.4	88.9
9071.9-11,339.8	89.7	127.0	1/2-20 UNF	10.2	10.2	152.4	25.4	88.9
22,679.6	108.0	152.4	3/4-16 UNF	14.2	12.7	152.4	38.1	96.5
45,359.2	127.8	215.9	3/4-16 UNF	14.2	16.0	304.8	44.5	101.6
68,038.9-90,718.5	165.9	282.7	3/4-16 UNF	14.2	16.0	304.8	63.5	121.9

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: High-alloy steel, epoxy coated
 Temperature: Compensated range
 0°F to 150°F/-18°C to 65°C
 Manufacturer
 Model Number: 92-D3-XX-10P1
 Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Non-repeatability: 0.01% Full scale
 Combined Error: 0.05% Full scale
 Insulation Resistance: 5000 megohms

Deflection at Capacity: 5000-10,000 lb = .003"/.076 mm,
 20,000-50,000 lb = .004"/.102 mm,
 100,000 lb = .006"/.152 mm,
 150,000-200,000 lb = .010"/.254 mm

Seal Type: Welded-seal, IP68
 Cable Length: 10'/3.1 m
 Cable Color Code: Red..... + Excitation
 Black..... - Excitation
 Green..... + Signal
 White..... - Signal
 Orange..... Shield
 Warranty: 2-year limited warranty

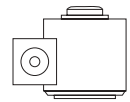
92 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
5000 lb (2268.0 kg)	17637.....	\$1,185.00
10,000 lb (4535.9 kg)	17639.....	\$1,185.00
20,000 lb (9071.9 kg)	17640.....	\$1,185.00
25,000 lb (11,339.8 kg)	17641.....	\$1,185.00
50,000 lb (22,679.6 kg)	17642.....	\$1,185.00
100,000 lb (45,359.2 kg)	17643.....	\$1,185.00
150,000 lb (68,038.9 kg)	17644.....	\$2,575.00
200,000 lb (90,718.5 kg)	17645.....	\$2,860.00

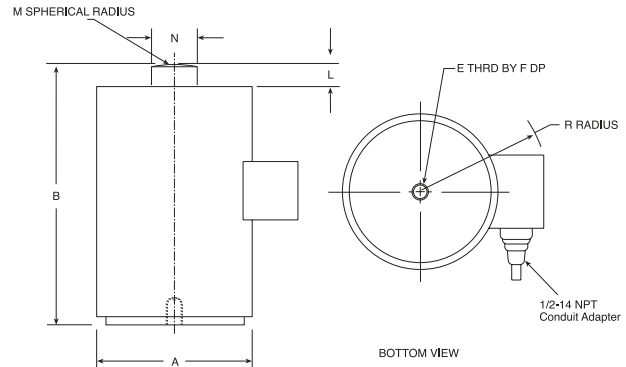
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93 Compression Canister, Alloy Steel Welded-seal, IP68



RATED CAPACITY

lb/inches

	A	B	E	F	L	M	N	R
5000-10,000	3.53	4.00	1/2-20 UNF	.50	.40	6.00	1.00	3.50
20,000-25,000	3.53	5.00	1/2-20 UNF	.40	.40	6.00	1.00	3.50
50,000	4.25	6.00	3/4-16 UNF	.56	.50	6.00	1.50	3.80
100,000	5.03	8.50	3/4-16 UNF	.56	.63	12.00	1.75	4.00
150,000-200,000	6.53	11.13	3/4-16 UNF	.56	.63	12.00	2.50	4.80

kg/mm

2268.0-4535.9	89.7	101.6	1/2-20 UNF	12.7	10.2	152.4	25.4	88.9
9071.9-11,339.8	89.7	127.0	1/2-20 UNF	10.2	10.2	152.4	25.4	88.9
22,679.6	108.0	152.4	3/4-16 UNF	14.2	12.7	152.4	38.1	96.5
45,359.2	127.8	215.9	3/4-16 UNF	14.2	16.0	304.8	44.5	101.6
68,038.9-90,718.5	165.9	282.7	3/4-16 UNF	14.2	16.0	304.8	63.5	121.9

SPECIFICATIONS:

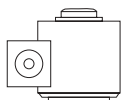
Full Scale Output:	3.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	High-alloy steel, epoxy coated
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C
Manufacturer	
Model Number:	93-D3-XX-10P1
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (15V maximum)
Non-repeatability:	0.02% Full scale
Combined Error:	0.05% Full scale
Insulation Resistance:	5000 megohms

Deflection at Capacity: 5000-20,000 lb = .004"/.1 mm,
20,000-50,000 lb = .006"/.2 mm,
100,000 lb = .006"/.152 mm,
150,000-200,000 lb = .010"/.254 mm

Seal Type:	Welded-seal, IP68
Cable Length:	10'/3.1 m
Cable Color Code:	Red..... + Excitation Black..... - Excitation Green..... + Signal White..... - Signal Orange.... Shield
Warranty:	2-year limited warranty

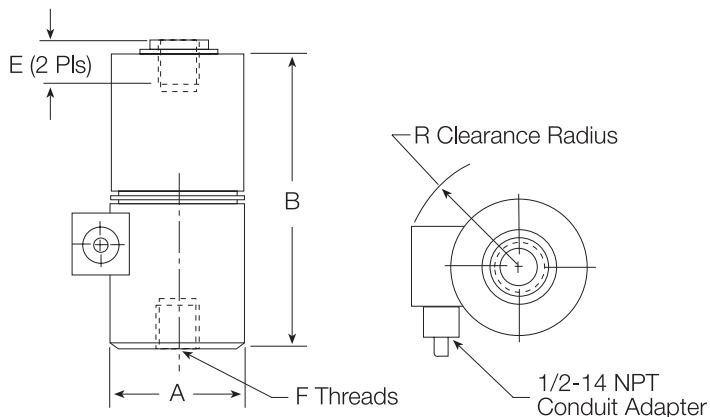
93 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
5000 lb (2268.0 kg)	17646.....	\$1,185.00
10,000 lb (4535.9 kg)	17647.....	\$1,185.00
20,000 lb (9071.9 kg)	17648.....	\$1,185.00
25,000 lb (11,339.8 kg)	17649.....	\$1,185.00
50,000 lb (22,679.6 kg)	17650.....	\$1,185.00
100,000 lb (45,359.2 kg)	17651.....	\$1,185.00
150,000 lb (68,038.9 kg)	17652.....	\$2,575.00
200,000 lb (90,718.5 kg)	17653.....	\$2,860.00



Revere
Transducers

42U Tension/Compression Canister, Alloy Steel Welded-seal, IP68



RATED CAPACITY

lb/inches
5000-10,000
20000
50,000

A

B

DIMENSIONS

E

F

R

kg/mm

2268.0-4535.9
9071.9
22,679.6

88.9
127.0
165.1

150.9
215.9
290.6

31.8
50.8
50.8

1-14 UNS
1 1/2-12 UNF
1 1/2-12 UNF

88.9
101.6
121.9

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, epoxy coated
Temperature: Compensated range
0°F to 150°F/-18°C to 65°C
Manufacturer: 42U-D3-XX-10P1
Model Number: 150% Full scale
Safe Overload: 10V AC/DC (15V maximum)
Rated Excitation: 0.01% Full scale
Non-repeatability: 0.05% Full scale
Combined Error:

Insulation Resistance: 5000 megohms
Deflection at Capacity: 5000-20,000 lb = .004"/.1 mm,
50,000 lb = .006"/.2 mm
Seal Type: Welded-seal, IP68
Cable Length: 10'/3.1 m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Orange Shield
Warranty: 2-year limited warranty

42U ORDER INFORMATION

Load Rating	Part #	Suggested List Price
5000 lb (2268.0 kg)	31401	\$1,145.00
10,000 lb (4535.9 kg)	31402	\$1,145.00
20,000 lb (9071.9 kg)	31403	\$1,460.00
50,000 lb (22,679.6 kg)	31404	\$1,880.00

Revere Transducers, Inc.

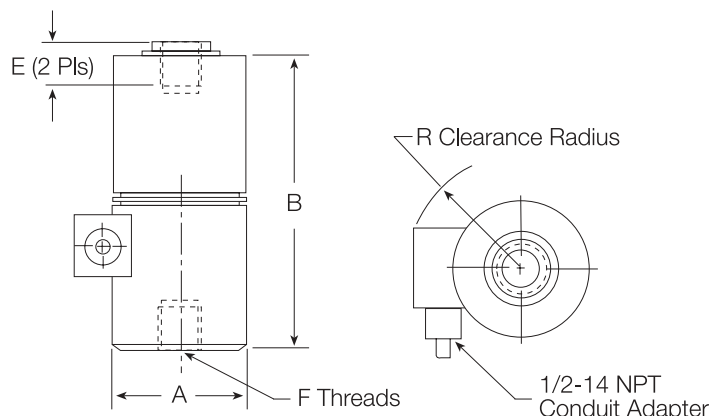
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43U Tension/Compression Canister, Alloy Steel

Welded-seal, IP68



RATED CAPACITY	DIMENSIONS				
	A	B	E	F	R
lb/inches					
5000-10,000	3.50	5.94	1.25	1-14 UNS	3.5
20,000	5.00	8.50	2.00	1 1/2-12 UNF	4.0
50,000	6.50	11.44	2.00	1 1/2-12 UNF	4.8
kg/mm					
2268.0-4535.9	88.9	150.9	31.8	1-14 UNS	88.9
9071.9	127.0	215.9	50.8	1 1/2-12 UNF	101.6
22,679.6	165.1	290.6	50.8	1 1/2-12 UNF	121.9

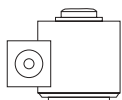
SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: High-alloy steel, epoxy coated
 Temperature: Compensated range
 0°F to 150°F/-18°C to 65°C
 Manufacturer Model Number: 43U-D3-XX-10P1
 Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Non-repeatability: 0.02% Full scale
 Combined Error: 0.05% Full scale

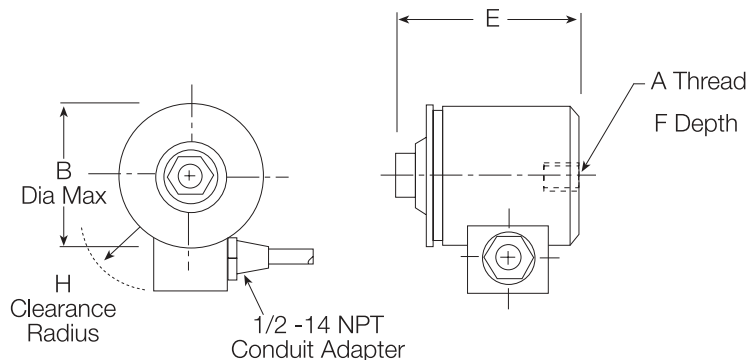
Insulation Resistance: 5000 megohms
 Deflection at Capacity: 5000-20,000 lb = .004"/.1 mm,
 50,000 lb = .006"/.2 mm
 Seal Type: Welded-seal, IP68
 Cable Length: 10'/3.1 m
 Cable Color Code: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
 Orange Shield
 Warranty: 2-year limited warranty

43U ORDER INFORMATION

Load Rating	Part #	Suggested List Price
5000 lb (2268.0 kg)	31405.....	\$1,145.00
10,000 lb (4535.9 kg)	31406.....	\$1,145.00
20,000 lb (9071.9 kg)	31407.....	\$1,460.00
50,000 lb (22,679.6 kg)	31408.....	\$1,880.00



62HU Tension/Compression Canister, Alloy Steel Welded-seal, IP68



RATED CAPACITY

lb/inches
100-300
500-1000
2000-3000

A

B

DIMENSIONS

E

F

H

kg/mm

45.4-136.1
226.8-453.6
907.2-1360.8

3/8-24 UNF-2B
1/2-20 UNF-2B
1/2-20 UNF-2B

2.82
3.53
4.03

85.9
115.8
127.0

9.4
16.0
16.0

76.2
88.9
96.5

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, epoxy coated
Temperature: Operating range
0°F to 150°F/-18°C to 65°C
Manufacturer
Model Number: 62HU-D3-XX-10P1
Safe Overload: 200% Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Non-repeatability: 0.01% Full scale

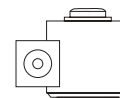
Combined Error: 0.05% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 100-300 lb = .010"/.254 mm,
500-3000 lb = .008"/.203 mm
Seal Type: Welded-seal, IP68
Cable Length: 10'/3.1 m
Cable Color Code: Red + Excitation
Black..... - Excitation
Green..... + Signal
White - Signal
Warranty: 2-year limited warranty

62HU ORDER INFORMATION

Load Rating	Part #	Suggested List Price
100 lb (45.4 kg)	31388.....	\$1,040.00
200 lb (90.7 kg)	31389.....	\$1,040.00
300 lb (136.1 kg)	31390.....	\$1,040.00
500 lb (226.8 kg)	31391.....	\$1,040.00
750 lb (340.2 kg)	31392.....	\$1,050.00
1000 lb (453.6 kg)	31393.....	\$1,050.00
2000 lb (907.2 kg)	31394.....	\$1,070.00
3000 lb (1360.8 kg)	31395.....	\$1,070.00

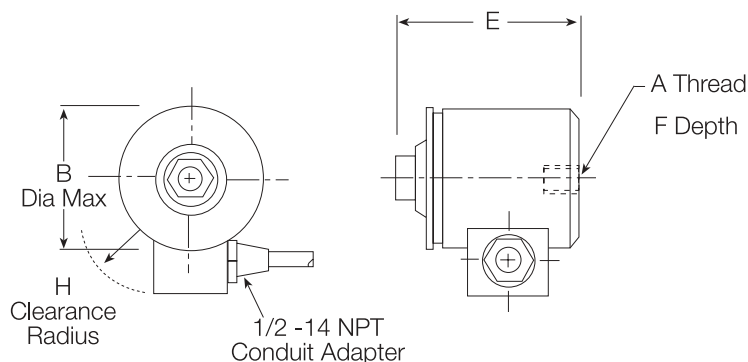
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Artech	90510



63HU Tension/Compression Canister, Alloy Steel

Welded-seal, IP68



RATED CAPACITY	DIMENSIONS				
	A	B	E	F	H
lb/inches					
100-300	3/8-24 UNF-2B	2.82	3.38	.37	3.00
500-1000	1/2-20 UNF-2B	3.53	4.56	.63	3.50
2000-3000	1/2-20 UNF-2B	4.03	5.00	.63	3.80
kg/mm					
45.4-136.1	3/8-24 UNF-2B	71.6	85.9	9.4	76.2
226.8-453.6	1/2-20 UNF-2B	89.7	115.8	16.0	88.9
907.2-1360.8	1/2-20 UNF-2B	102.4	127.0	16.0	96.5

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, epoxy coated
Temperature: Operating range
0°F to 150°F/-18°C to 65°C
Manufacturer
Model Number: 63HU-D3-XX-10P1
Safe Overload: 200% Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Non-repeatability: 0.02% Full scale

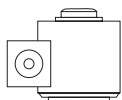
Combined Error: 0.05% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 100-300 lb = .010"/.254 mm,
500-3000 lb = .008"/.203 mm
Seal Type: Welded-seal, IP68
Cable Length: 10'/3.1 m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Warranty: 2-year limited warranty

63HU ORDER INFORMATION

Load Rating	Part #	Suggested List Price
100 lb (45.4 kg)	31380.....	\$1,040.00
200 lb (90.7 kg)	31381.....	\$1,040.00
300 lb (136.1 kg)	31382.....	\$1,040.00
500 lb (226.8 kg)	31383.....	\$1,040.00
750 lb (340.2 kg)	31384.....	\$1,050.00
1000 lb (453.6 kg)	31385.....	\$1,050.00
2000 lb (907.2 kg)	31386.....	\$1,070.00
3000 lb (1360.8 kg)	31387.....	\$1,070.00

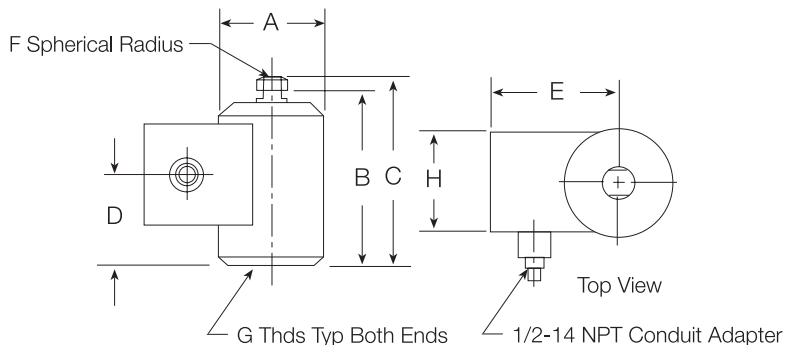
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Streeter Richardson.....	201170X
Mettler-Toledo®	10048X00 A



USP1 Tension/Compression Super Precision Canister

Alloy Steel, Welded-seal, IP68



RATED CAPACITY	DIMENSIONS								
	A	B	C	D	E	F	G	H	DEPTH
lb/inches									
100	2.00	3.32	3.57	1.70	2.26	.75	3/8-24 UNF-3B	1.88	.37
250	2.50	4.45	4.70	2.20	2.31	.75	3/8-24 UNF-3B	1.88	.37
500-1000	2.50	4.45	4.82	2.20	2.31	2.00	1/2-20 UNF-3B	1.88	.50
2500	2.25	3.00	—	1.56	2.69	—	1/2-20 UNF-3B	1.88	.50
5000-10,000	3.00	5.75	—	2.81	3.06	—	1-14 UNS-3B	1.88	1.31
25,000	4.00	8.38	—	5.87	3.56	—	1 1/2-12 UNF-3B	1.88	1.87
50,000	6.25	11.44	—	5.72	4.68	—	2-12 UN-3B	1.88	2.43
kg/mm									
45.4	50.8	84.3	90.7	43.2	57.4	19.1	3/8-24 UNF-3B	47.8	9.4
113.4	63.5	113.0	119.3	55.9	58.7	19.1	3/8-24 UNF-3B	47.8	9.4
226.8-453.6	63.5	113.0	122.4	55.9	58.7	50.8	1/2-20 UNF-3B	47.8	12.7
1134.0	57.2	76.2	—	39.6	68.3	—	1/2-20 UNF-3B	47.8	12.7
2268.0-4535.9	76.2	146.1	—	71.4	77.7	—	1-14 UNS-3B	47.8	33.3
11,339.8	101.6	212.9	—	149.1	90.4	—	1 1/2-12 UNF-3B	47.8	47.5
22,679.6	158.8	290.6	—	145.3	118.9	—	2-12 UN-3B	47.8	61.7

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: Epoxy-coated steel
 Temperature: Compensated range
 0°F to 150°F/-18°C to 65°C
 Manufacturer
 Model Number: USP1-D3-XX-30P5
 Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Combined Error: 0.05% Full scale
 Non-repeatability: 0.02% Full scale
 Insulation Resistance: 5000 megohms

Deflection at Capacity: 50 lb = .004"/.102 mm, 100-250 lb = .005"/.127 mm,
 500 lb = .003"/.076 mm, 1000-2500 lb = .004"/.102 mm,
 5000 lb = .005"/.127 mm,
 10,000-25,000 lb = .004"/.102 mm,
 50,000 lb = .008"/.203 mm

Seal Type: Welded-seal, IP68
 Cable Length: 30'/9.2 m
 Cable Color Code: Green..... + Excitation
 Black..... - Excitation
 White..... + Signal
 Red..... - Signal
 Warranty: 2-year limited warranty

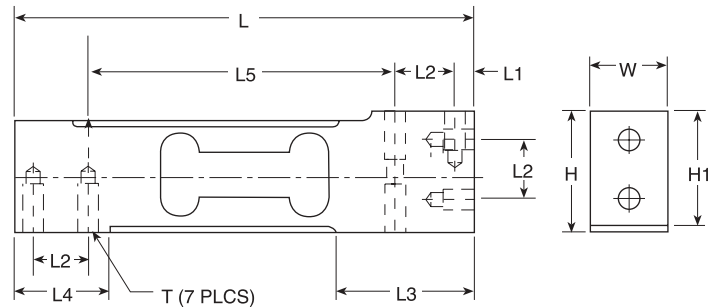
USP1 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
*100 lb (45.4 kg)	17600.....	\$1,665.00
*250 lb (113.4 kg)	17601.....	\$1,665.00
*500 lb (226.8 kg)	17602.....	\$1,665.00
*1000 lb (453.6 kg)	17603.....	\$1,665.00
*2500 lb (1134.0 kg)	17604.....	\$1,665.00
5000 lb (2268.0 kg)	17605.....	\$1,985.00
10,000 lb (4535.9 kg)	17606.....	\$1,985.00
25,000 lb (11,339.8 kg)	17607.....	\$2,465.00
50,000 lb (22,679.6 kg)	17608.....	\$3,295.00

* Load button is supplied with load cell

642 Single Point, Aluminum

NTEP 1:5000 Class III Single Cell, IP67



RATED CAPACITY	H	H1	L	L1	L2	L3	L4	L5	T	W
kg/mm										
3-100	40.0	38.5	150.0	5.9	19.0	44.5	31.2	100.2	1/4-20 UNC-15 DP	25.4
lb/inches										
6.6-220.5	1.58	1.52	5.91	.23	.75	1.75	1.23	3.95	1/4-20 UNC X .6 DP	1.00

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms
 Material/Finish: Aluminum alloy
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Manufacturer: 642-A5-XX-3MP2 (NTEP)
 Model Number: 150% Full scale
 Safe Overload: 10V AC/DC (15V maximum)
 Rated Excitation: .02% Full scale
 Total Error: .02% Full scale

Insulation Resistance: 5000 megohms
 Deflection at Capacity: 5-100 kg = .024"/.60mm
 Seal Type: Environmentally-sealed, IP67
 Cable Length: 3.1 m/10'
 Cable Color Code:
 Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
 Blue + Sense
 Brown - Sense
 Warranty: 2-year limited warranty

642 ORDER INFORMATION

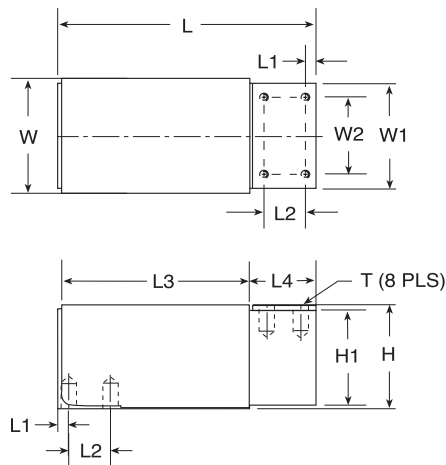
Load Rating	Part #	Suggested List Price
NTEP 1:5000		
10 kg (22.1 lb)	26498	\$175.00
15 kg (33.1 lb)	26500	\$175.00
20 kg (44.1 lb)	26501	\$175.00
30 kg (66.1 lb)	26502	\$175.00
50 kg (110.2 lb)	26503	\$175.00
75 kg (165.3 lb)	26504	\$175.00
100 kg (220.5 lb)	26505	\$175.00
Non-NTEP 1:5000		
5 kg (11.0 lb)	26486	\$155.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay TedeA-Huntleigh	(see page 332) 1042
HBM	(see page 234) SP4
Rice Lake Weighing Systems	(see page 149) RL1042

652 Potted Single Point, Aluminum

NTEP 1:5000 Class III Single Cell, IP65



RATED CAPACITY	DIMENSIONS										
	H	H1	L	L1	L2	L3	L4	T	W	W1	W2
kg/mm											
50-1000	75.4	60.2	191.0	8.1	25.0	148.0	39.9	5/16-18 UNC .15.7DP	79.5	76.2	59.9
lb/inches											
110.2-2204.6	2.97	2.37	7.52	.32	.98	5.84	1.57	5/16-18 UNC .63 DP	3.13	3.00	2.36

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms
Material/Finish: Aluminum alloy
Temperature: Compensated range
14°F to 104°F/-10°C to 40°C
Manufacturer
Model Number: 652-A5-XX-3MP2 (NTEP)
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Total Error: .02% Full scale

Insulation Resistance: 5000 megohms
Deflection at Capacity: 50-1000 kg = .048"/1.22mm
Seal Type: Environmentally-sealed, IP65
Cable Length: 3.1 m/10'
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Blue + Sense
Brown - Sense
Warranty: 2-year limited warranty

652 ORDER INFORMATION

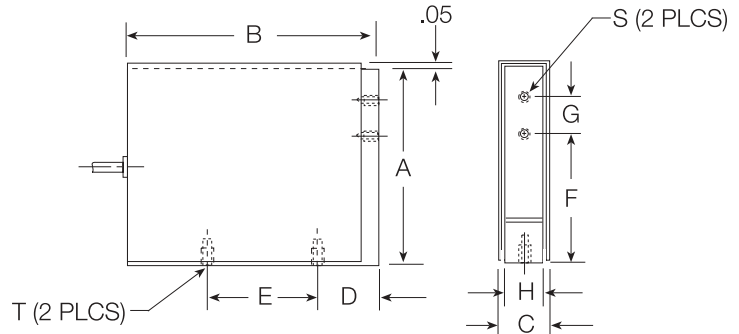
Load Rating	Part #	Suggested List Price
NTEP 1:5000		
50 kg (110.2 lb)	26516.....	\$315.00
75 kg (165.3 lb)	26517.....	\$315.00
100 kg (220.5 lb)	26518.....	\$315.00
150 kg (330.7 lb)	26519.....	\$315.00
200 kg (440.9 lb)	26520.....	\$315.00
250 kg (551.2 lb)	26521.....	\$315.00
300 kg (661.4 lb)	26522.....	\$315.00
500 kg (1102.3 lb)	26523.....	\$315.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems.....	(see page 155) RL1250
Vishay Celtron	(see page 194) LOC
Vishay Tedea-Huntleigh	(see page 341) 1250
Flintec	(see page 212) PCB*

* Stainless steel, hermetically-sealed

462 Single Point, Alloy Steel, IP67



RATED CAPACITY	A	B	C	D	E	DIMENSIONS			T	S
						F	G	H		
lb/inches										
2-20	4.00	5.13	.91	1.25	2.20	2.60	.75	.75	1/4-28 UNF-2B x .38dp.	10-32 UNF-2B x .25dp.
50-100	4.60	6.00	1.16	1.90	2.20	2.60	1.00	1.00	3/8-24 UNF-2B x .50dp.	1/4-28 UNF-2B x .50dp.
250	4.60	6.00	1.16	1.90	2.20	2.35	1.50	1.00	3/8-24 UNF-2B x .50dp.	3/8-24 UNF-2B x .50dp.
kg/mm										
0.9-9.1	101.6	130.3	23.1	31.8	55.9	66.0	19.1	19.1	1/4-28 UNF-2B x .38dp.	10-32 UNF-2B x .25dp.
22.7-45.4	116.8	152.4	29.5	48.3	55.9	66.0	25.4	25.4	3/8-24 UNF-2B x .50dp.	1/4-28 UNF-2B x .50dp.
113.4	116.8	152.4	29.5	48.3	55.9	59.7	38.1	25.4	3/8-24 UNF-2B x .50dp.	3/8-24 UNF-2B x .50dp.

SPECIFICATIONS:

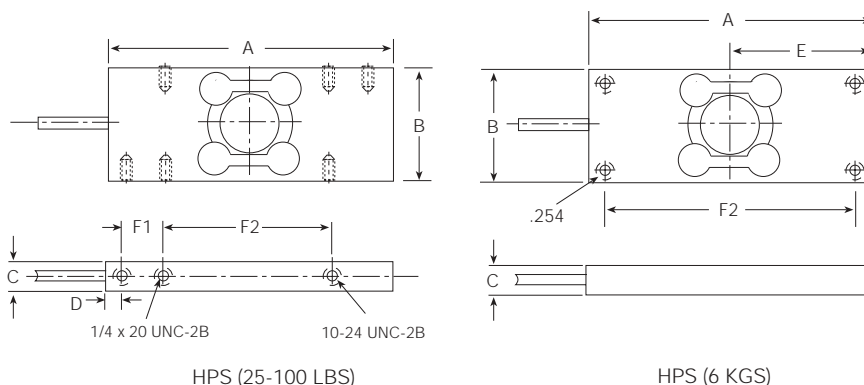
Full Scale Output:	2.0 mV/V	Non-repeatability:	0.01% Full scale
Bridge Resistance:	350 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	Alloy steel with stainless steel cover	Deflection at Capacity:	2-20 lb = .06"/1.5mm, 50-250 lb = .04"/1.0mm
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Seal Type:	Environmentally-sealed, IP67
Manufacturer		Cable Length:	10'/3.1 m
Model Number:	462-D3-XX-10P1	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 DC nominal (15V maximum)		
Combined Error:	0.03% Full scale		

462 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
2 lb (0.9 kg)	17442.....	\$535.00
5 lb (2.3 kg)	17443.....	\$535.00
10 lb (4.5 kg)	17444.....	\$535.00
20 lb (9.1 kg)	17445.....	\$535.00
50 lb (22.7 kg)	17446.....	\$585.00
100 lb (45.4 kg)	17447.....	\$585.00
250 lb (113.4 kg)	17448.....	\$605.00

HPS Single Point, Stainless Steel

Welded-seal, IP67



RATED CAPACITY	DIMENSIONS						
	A	B	C	D	E	F1	F2
lb/inches							
13.2	5.0	1.98	.73	—	2.5	—	4.25
25	5.0	1.98	.73	.25	—	.75	3.0
50	5.0	1.95	.73	.25	—	.75	3.0
100	5.0	1.82	.94	.25	—	.75	3.0
kg/mm							
6.0	127.0	50.2	18.5	—	63.5	—	107.9
11.3	127.0	50.2	18.5	6.3	—	19.0	76.2
22.7	127.0	49.5	18.5	6.3	—	19.0	76.2
45.4	127.0	46.2	23.8	6.3	—	19.0	76.2

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V – HPS
2.0 mV/V – HPSM (metric capacity)

Bridge Resistance: 350 ohms, nominal

Material/Finish: Stainless steel

Temperature: Compensated range
0°F to 150°F/-18°C to 65°C

Manufacturer Model Number: HPS-D3-XX-10P5

Safe Overload: 150% Full scale

Rated Excitation: 10V AC/DC (15V maximum)

Combined Error: 0.03% Full scale

Non-repeatability: 0.01% Full scale

Insulation Resistance: 5000 megohms

Seal Type: Welded-seal, IP67

Cable Length: 10'/3.1 m

Cable Color Code: Green + Excitation
Black – Excitation
White + Signal
Red – Signal

Warranty: 2-year limited warranty

HPS ORDER INFORMATION

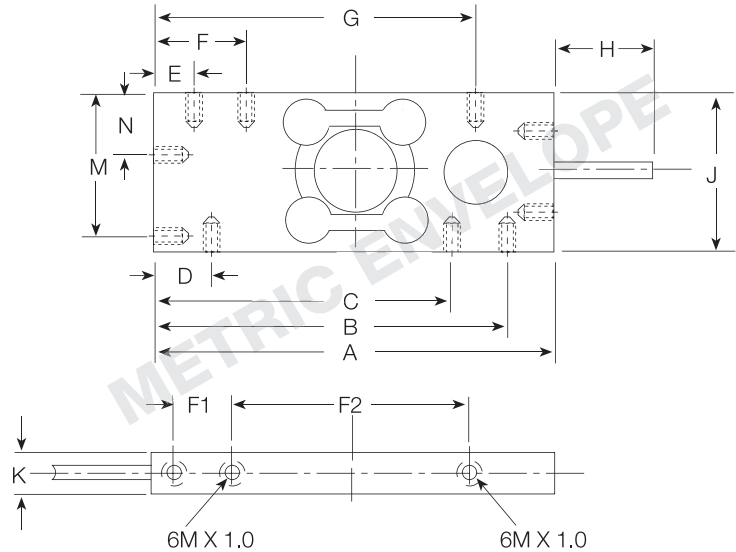
Load Rating	Part #	Suggested List Price
6 kg (13.2 lb)	22335.....	\$615.00
25 lb (11.3 kg)	17406.....	\$615.00
50 lb (22.7 kg)	17407.....	\$615.00
100 lb (45.4 kg)	17408.....	\$780.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	(see page 310) 60064

HPSM Single Point, Stainless Steel

Welded-seal IP67, Metric Envelope



RATED CAPACITY	A	B	C	D	E	DIMENSIONS								
	F	F1	F2	G	H	J	K	M	N					
kg/mm														
6.0	130.0	116.5	97.5	22.5	13.5	32.5	19.1	75.0	107.5	25.0	50.0	18.5	44.0	20.0
lb/inches														
13.2	5.1	4.5	3.8	.88	.53	1.2	.75	2.9	4.2	.98	1.9	.73	1.7	.78

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 0°F to 150°F/-18°C to 65°C
 Manufacturer: HPSM-D3-6kg-10P9
 Model Number: 150% Full scale
 Safe Overload: 10V AC/DC (15V maximum)
 Rated Excitation: 0.03% Full scale
 Combined Error:

Non-repeatability: 0.01% Full scale
 Insulation Resistance: 5000 megohms
 Seal Type: Welded-seal, IP67
 Cable Length: 3.1 m/20'
 Cable Color Code: Green..... + Excitation
 Black..... - Excitation
 White..... + Signal
 Red..... - Signal
 Warranty: 2-year limited warranty

HPSM ORDER INFORMATION

Load Rating	Part #	Suggested List Price
6 kg (13.2 lb)	22334	\$615.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	(see page 310) 60064

S-Beams



60001, Alloy Steel Page 289

Single- or multiple-cell tension load applications. Nickel plated, high-alloy steel construction. Integral 20'6.1 m cable and full environmental protection with stainless steel side plates. Capacities from 25 to 20,000 lb (113.4 to 9071.9 kg). Capacities of 5000 lb (2268.0 kg) or more have standardized output for multiple-cell installations.



60050, Stainless Steel Page 290

Single- or multiple-cell applications. Integral 20'6.1 m cable and full environmental protection with stainless steel side plates. Stainless steel construction for added corrosion protection. Capacities from 250 to 20,000 lb (113.4 to 9071.9 kg). Capacities of 5000 lb (2268.0 kg) or more have standardized output for multiple-cell installations.



60063, Stainless Steel Page 291

Welded seal stainless steel S-beam load cell designed for compression and tension. Ideal for scale conversions and general-purpose weighing. NTEP approved in capacities from 500 to 5,000 lb (226.8 to 2268.0 kg). Non-NTEP in capacities of 10,000 to 20,000 lb (4535.9 to 9071.9 kg).



60036, Alloy Steel Page 292

Single- or multiple-cell tension load applications. Integral 20'6.1 m cable. Environmentally protected with neoprene sleeve. Nickel-plated, high-alloy steel construction. Capacities from 25 to 150 lb (11.3 to 68.0 kg).



Single-Ended Beams



65023-5297, Alloy Steel Page 293

The Vishay Sensortronics 65023 has been a staple in the Rice Lake Weighing Systems Load Cell Guide for years. This model is manufactured from high-alloy steel and is nickel-plated to provide protection from the elements. The latest version is the 65023-XX-5297, which is custom featured with matched outputs and 8.5'2.6 m of load cell cable. This model was originally designed for Fairbanks® scales under part number 65023-XX-5164 (included a Fairbanks® label) and can now be purchased from Rice Lake Weighing Systems for replacement applications. Available in capacities of 1,000 lb and 2,500 lb.



65023-5141, Alloy Steel Page 294

The 65023-5141 is another standard Vishay Sensortronics product modified for a specific OEM manufacturer and now available through Rice Lake Weighing Systems to streamline your replacement part buying needs. This model was previously specific to Pennsylvania Scale and features a standard 9'2.7 m load cell cable. Available in 1,000 lb and 2,500 lb capacities.



Single-Ended Beams (Continued)



65023, Alloy Steel..... Page 295

Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Nickel-plated high-alloy steel with thru holes for mounting and a thru or threaded hole for loading. Capacities from 500 to 20,000 lb (226.8 to 9071.9 kg).



Expanded Capacity Range!



65023 SS, Stainless Steel, Threaded/Thru..... Page 296

Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Stainless steel and a threaded or thru hole for loading. Capacities from 250 to 20,000 lb (226.8 to 9071.9 kg).



65023 S, Stainless Steel..... Page 297

Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Stainless steel and a threaded hole for loading. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg).



65083, Stainless Steel..... Page 298

This welded seal precision load cell offers exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single- or multiple-cell installations, the 65083 has a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg). Integral 20' / 6.1 m cable.



65083 S, Stainless Steel..... Page 299

This welded seal precision load cell offers exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single- or multiple-cell installations, the 65083S is provided with a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities from 1000 to 10,000 lb (453.6 to 4535.9 kg). Integral 20' / 6.1 cable.



65007, Alloy Steel..... Page 300

Ultra-small load cell. Nickel plated and environmentally protected with a stainless steel side plate. Designed for low-profile applications. Capacities from 25 to 250 lb (11.3 to 113.4 kg). Integral 20' / 6.1 cable.



Single-Ended Beams (Continued)



60040, Alloy Steel Page 301

Designed for low-profile, single- or multiple-cell weighing applications. Integral 20'/6.1 cable. Nickel plated, high-alloy steel construction, environmentally protected with a neoprene sleeve. Capacities from 25 to 500 lb (11.3 to 226.8 kg).



60030, Alloy Steel Page 302

Designed for high-impact loading. Integral 20'/6.1 cable. High-alloy steel construction. Environmentally protected with a neoprene sleeve. Capacities from 50 to 300 lb (22.7 to 136.1 kg).



Compression Canister



65114, Stainless Steel Page 303

The 65114 was specially designed to provide the superior protection of stainless steel and hermetic sealing for truck scale applications. This model is built to provide a high degree of accuracy, while protecting against the severe conditions that truck scale load cells often endure. The easy installation of "rocker column" type load cells also provides a distinct advantage over traditional market alternatives. Available in three different heights, this product can easily be adapted to existing applications.



Single Points



60048, Alloy Steel Page 304

Load cells especially designed for heavy-duty, off-center loads on a 20" x 20" (508 mm x 508 mm) platform. Nickel plated, high-alloy steel construction. Includes integral 10' (3.1 m) cable. 1000 lb (453.6 kg) capacity load cell may be used with 30" x 30" (762 mm x 762 mm) platform. Capacities from 25 to 1000 lb (11.3 to 453.6 kg).



60048 SS, Stainless Steel Page 305

Load cells especially designed for heavy-duty, off-center loads on a 20" x 20" (508 mm x 508 mm) platform. Stainless steel construction specially designed for washdown situations. Includes integral 10'/3.1 m cable. 1000 lb (453.6 kg) capacity load cell may be used with 30" x 30" (762 mm x 762 mm) platform. Capacities from 25 to 1000 lb (11.3 to 453.6 kg).



Single Points (Continued)

60051, Stainless Steel Page 306



Designed as a replacement for the NCI® Mark III in hostile environments. Stainless steel, moisture-resistant single-point cell. Integral 10'/3.1 m cable. 10 to 25 lb (4.5 to 11.3 kg) cells may be used with a base size of 8" x 8" (203.2 mm x 203.2 mm); 50 to 200 lb (22.7 to 90.7 kg) cells, with a base size of 12" x 12" (304.8 mm x 304.8 mm).



65024, Alloy Steel Page 307

Low-profile single-point load cell designed for single-cell platforms in protected environments. Nickel-plated alloy steel construction. Capacities from 2 to 25 lb (.9 to 11.3 kg). Integral 10'/3.1 m cable.



60060, Aluminum Page 308

High-capacity off-center load cell accurately weighs loads on a 36" x 36" platform. Aluminum clear anodized construction. Capacities from 100 to 2000 lb (45.4 to 907.2 kg). Integral 10'/3.1 m cable.



60060-0101, Stainless Steel Page 309

High-capacity off-center load cell accurately weighs loads on a 36" x 36" platform. Stainless steel construction. Capacities from 250 to 2000 lb (113.4 to 907.2 kg). Integral 10'/3.1 m cable.



60064, Stainless Steel Page 310

This low-profile single point is designed for bench scale and checkweigher applications that require stainless steel, hermetically-sealed solutions. Ideal for harsh washdown environments. Capacities from 25 to 100 lb (11.3 to 45.3 kg). Complete with 10'/3.1 m of load cell cable.



Double-Ended Beams

65016, Alloy Steel..... Page 311



Nickel plated and environmentally protected with stainless steel side plates. Designed for center loading compatibility with the RL1600 tank weighing assemblies. Capacities from 1000 to 75,000 lb (453.6 to 34,019.4 kg). Integral 25'/7.6 m cable.



65016W, Stainless Steel..... Page 312



Stainless steel and welded seal weighing applications. Designed for center loading compatibility with RL1600 tank weighing assemblies. Capacities from 1000 to 75,000 lb (453.6 to 34,019.4 kg). Integral 25'/7.6 m cable.



65016WH, Stainless Steel..... Page 313



Stainless steel full hermetic version of the popular 65016 series of load cells capacities from 1000 to 75,000 lbs. Integral 25'/7.6 m of cable.



65058, Alloy Steel..... Page 314



Nickel plated and environmentally protected with stainless steel side plates. Designed for center link loading and compatibility with the MVS or similar suspension systems up to 75,000 lb (34,019.4 kg). NTEP-certified capacities from 20,000 to 125,000 lb (9071.9 to 56,699.1 kg); non-NTEP capacities of 10,000 lb (4535.9 kg). Integral 35'/10.6 m cable.



65058 S, Stainless Steel..... Page 315



The Vishay Sensortronics 65058 S is a double-ended beam specifically designed for harsh environment vehicle weighing applications. This stainless steel, welded seal product is an ideal substitute for traditional alloy steel, nickel plated units where corrosive or washdown conditions exist. This model is compatible with both the MVS and TSA mounts, and is available in capacities ranging from 10,000 to 200,000 lb (2268.0 to 90,718.5 kg). Each unit is provided with a standard 35'/10.6 m cable.



Double-Ended Beams (Continued)

65061A, Alloy Steel Page 316



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



65040A, Alloy Steel Page 317



Nickel plated and environmentally protected with stainless steel side plates. Designed for center mounting and double link loading. Capacities from 25,000 to 125,000 lb (11,339.8 to 56,699.1 kg). Integral 35' (10.6m) cable.



65040 S, Stainless Steel..... Page 318



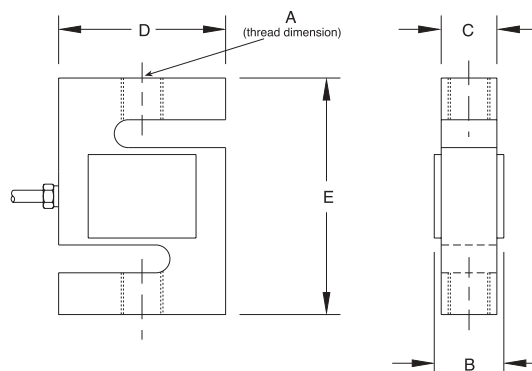
This model is an upgraded version of the Vishay Sensortronics 65040A, and is offered in stainless steel, with welded sealing. The center-supported double-ended beam design is compatible with Unilink/Translink mounts. The full stainless, welded seal upgrade makes this model ideal for applications where harsh chemicals and washdown conditions exist. This model is available in capacities ranging from 25,000 to 200,000 lb (11,339.8 to 90,718.5 kg), and is provided with a standard 35' (10.6m) cable.





60001 S-Beam, Alloy Steel

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



SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: High-alloy steel, nickel plated
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C

Manufacturer
 Model Number: 60001A-XX-1177
 Safe Overload: 150% Full scale
 Rated Excitation: 10V DC (15V maximum)
 Nonlinearity: 0.03% Full scale
 Hysteresis: 0.02% Full scale
 Insulation Resistance: 5000 megohms
 Seal Type: Environmentally-sealed
 Cable Length: 20'/6.1 m
 Cable Color Code:
 Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal

Warranty: 2-year limited warranty

RATED CAPACITY

	A	B	C	D	E
lb/inches					
25-200	1/4-28 UNF	.65	.50	2.00	2.50
250-300	3/8-24 UNF-2B	.75	.50	2.00	3.00
500-2000	1/2-20 UNF-2B	1.00	.75	2.00	3.00
2500-3000	1/2-20 UNF-2B	1.25	1.00	2.00	3.00
5000	3/4-16 UNF-2B	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF-2B	1.25	1.00	3.50	4.75
15,000	1-14 UNS-2B	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF-2B	2.25	2.00	5.00	7.00

kg/mm

11.3-45.4	1/4-28 UNF	16.5	12.7	50.8	63.5
113.4-136.1	3/8-24 UNF-2B	19.1	12.7	50.8	76.2
226.8-907.2	1/2-20 UNF-2B	25.4	19.1	50.8	76.2
1134.0-1360.8	1/2-20 UNF-2B	31.8	25.4	50.8	76.2
2268.0	3/4-16 UNF-2B	31.8	25.4	76.2	108.0
4535.9	3/4-16 UNF-2B	31.8	25.4	88.9	120.7
6803.9	1-14 UNS-2B	38.1	31.8	101.6	139.7
9071.9	1 1/4-12 UNF-2B	57.2	50.8	127.0	177.8

60001 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
25 lb (11.3 kg)	61116	\$295.00
50 lb (22.7 kg)	61117	\$295.00
100 lb (45.4 kg)	61118	\$295.00
200 lb (90.7 kg)	61119	\$295.00
250 lb (113.4 kg)	61120	\$295.00
300 lb (136.1 kg)	61121	\$295.00
500 lb (226.8 kg)	61122	\$295.00
750 lb (340.2 kg)	61123	\$295.00
1000 lb (453.6 kg)	61124	\$295.00
1500 lb (680.4 kg)	61125	\$295.00
2000 lb (907.2 kg)	61126	\$295.00
2500 lb (1134.0 kg)	61127	\$335.00
3000 lb (1360.8 kg)	61128	\$335.00
5000 lb (2268.0 kg)	61129	\$475.00
10,000 lb (4535.9 kg)	61130	\$475.00
15,000 lb (6803.9 kg)	61131	\$575.00
20,000 lb (9071.9 kg)	61132	\$895.00

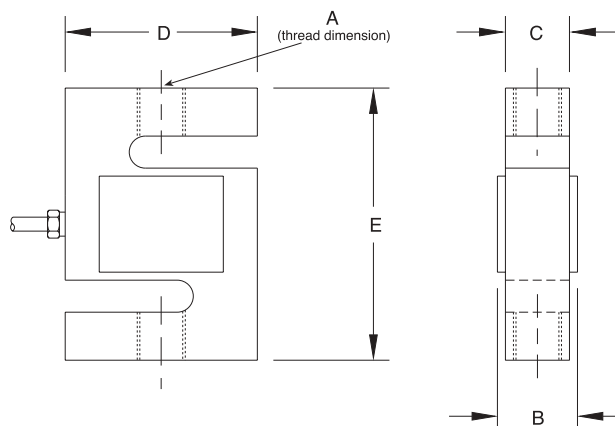
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 101) RL20001
Vishay Celtron	(see page 178) STC

WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	354

60050 S-Beam, Stainless Steel, IP67



RATED CAPACITY

lb/inches

	A	B
250	3/8-24 UNF-2B	.75
500-1500	1/2-20 UNF-2B	1.00
2000-3000	1/2-20 UNF-2B	1.25
5000	3/4-16 UNF-2B	1.25
10,000	3/4-16 UNF-2B	1.25
15,000	1-14 UNS-2B	1.50
20,000	1 1/4-12 UNF-2B	2.00

kg/mm

	A	B
113.4	3/8-24 UNF-2B	19.1
226.8-680.4	1/2-20 UNF-2B	25.4
907.2-1360.8	1/2-20 UNF-2B	31.8
2268.0	3/4-16 UNF-2B	31.8
4535.9	3/4-16 UNF-2B	31.8
6803.9	1-14 UNS-2B	38.1
9071.9	1 1/4-12 UNF-2B	50.8

DIMENSIONS

	C	D	E
250	.50	2.00	3.00
500-1500	.75	2.00	3.00
2000-3000	1.00	2.00	3.00
5000	1.00	3.00	4.25
10,000	1.00	3.50	4.75
15,000	1.25	4.00	5.50
20,000	1.94	5.00	7.00

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Stainless steel
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C
Manufacturer	
Model Number:	60050
Safe Overload:	150% Full scale
Rated Excitation:	10V DC (15V maximum)
Nonlinearity:	0.03% Full scale

Hysteresis:	0.02% Full scale
Insulation Resistance:	5000 megohms
Seal Type:	Environmentally-sealed, IP67
Cable Length:	20'/6.1 m
Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Warranty:	2-year limited warranty

60050 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
250 lb (113.4 kg)	17077	\$325.00
500 lb (226.8 kg)	17078	\$325.00
750 lb (340.2 kg)	17079	\$325.00
1000 lb (453.6 kg)	17080	\$325.00
1500 lb (680.4 kg)	17081	\$325.00
2000 lb (907.2 kg)	17082	\$365.00
2500 lb (1134.0 kg)	17083	\$365.00
3000 lb (1360.8 kg)	17084	\$365.00
5000 lb (2268.0 kg)	17085	\$550.00
10,000 lb (4535.9 kg)	17086	\$550.00
15,000 lb (6803.9 kg)	17087	\$650.00
20,000 lb (9071.9 kg)	17088	\$975.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron	(see page 179) STC-SS

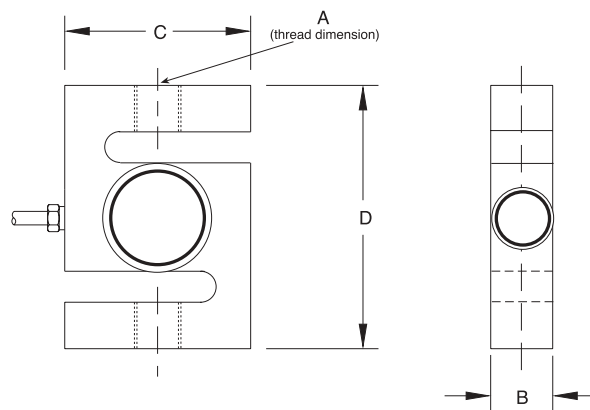
WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	354



60063 S-Beam, Stainless Steel

Welded-seal, IP67 1:5000 Class III, 1:10,000 Class IIIL Single Cell



RATED CAPACITY	A	DIMENSIONS B	C	D
lb/inches				
500-3000	1/2-20	1.00	2.00	3.00
5000-10,000	3/4-16	1.00	3.50	4.75
15,000	1-14	1.25	4.00	5.50
20,000	1 1/4-12	2.00	5.00	7.00
kg/mm				
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
0°F to 150°F/-18°C to 65°C
Manufacturer:
Model Number: 60063
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Nonlinearity: 0.03% Full scale

Hysteresis: 0.02% Full scale
Insulation Resistance: 5000 megohms
Seal Type: Welded-seal, IP67
Cable Length: 20'/6.1 m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Warranty: 2-year limited warranty

60063 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
NTEP		
500 lb (226.8 kg)	36272.....	\$495.00
750 lb (340.2 kg)	36273.....	\$495.00
1000 lb (453.6 kg)	36274.....	\$495.00
1500 lb (680.4 kg)	36275.....	\$495.00
2000 lb (907.2 kg)	36276.....	\$495.00
2500 lb (1134.0 kg)	36277.....	\$495.00
3000 lb (1360.8 kg)	36278.....	\$495.00
5000 lb (2268.0 kg)	36279.....	\$660.00
Non-NTEP		
10,000 lb (4535.9 kg)	36280.....	\$660.00
15,000 lb (6803.9 kg)	36281.....	\$700.00
20,000 lb (9071.9 kg)	36282.....	\$1,025.00

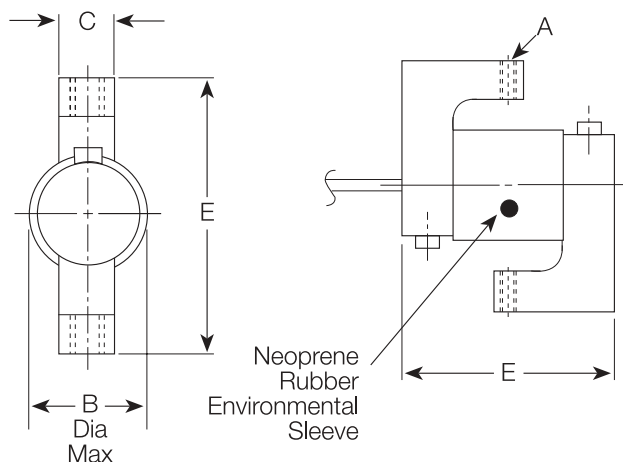
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 102) RL20001 HE

WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	354

60036 S-Beam, Alloy Steel, IP65



RATED CAPACITY	A	B	DIMENSIONS	D	E
			C		
lb/inches					
25-150	1/4-28 UNF-2B	1.12	.50	2.12	2.50
kg/mm					
11.3-68.0	1/4-28 UNF-2B	28.5	12.7	53.9	63.5

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V	Hysteresis:	0.03% Full scale
Bridge Resistance:	350 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	High-alloy steel, nickel plated	Seal Type:	Environmentally-sealed with neoprene sleeve, IP65
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Cable Length:	20'/6.1 m
Manufacturer:		Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Model Number:	60036	Warranty:	2-year limited warranty
Safe Overload:	150% Full scale		
Rated Excitation:	10V DC (15V maximum)		
Nonlinearity:	0.03% Full scale		

60036 ORDER INFORMATION

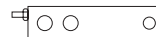
Load Rating	Part #	Suggested List Price
25 lb (11.3 kg)	17038.....	\$295.00
50 lb (22.7 kg)	17039.....	\$295.00
75 lb (34.0 kg)	17040.....	\$295.00
100 lb (45.4 kg)	17041.....	\$295.00
150 lb (68.0 kg)	17042.....	\$295.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 98) RL20000
Vishay Celtron	(see page 177) STC

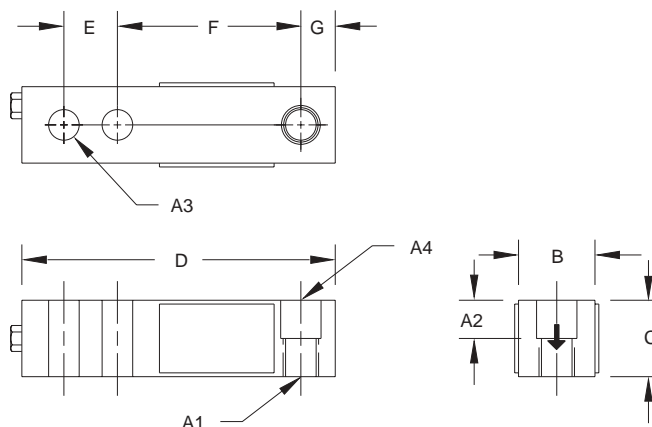
WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	354



65023A-5297 Single-Ended Shear Beam, Alloy Steel

NTEP 1:5000 Class III Multiple Cell, IP67



RATED CAPACITY	DIMENSIONS									
	A1	A2	A3	A4	B	C	D	E	F	G
lb/inches 1000-2500	1/2-20 UNF-2B	.62	.53	.53 DIA.	1.25	1.25	5.12	1.00	3.00	.50
kg/mm 453.6-1134.0	1/2-20 UNF-2B	15.8	13.5	13.5 DIA.	31.8	31.8	130.1	25.4	76.2	12.7

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V	Hysteresis:	0.02% Full scale
Bridge Resistance:	350 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	High-alloy steel, nickel plated	Deflection at Capacity:	1000 lb = .013"/.33 mm, 2500 lb = .015"/.38 mm
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Seal Type:	Environmentally-sealed, IP67
Manufacturer		Cable Length:	8.5'/2.6 m
Model Number:	65023A-XX-5297	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		

ORDER INFORMATION

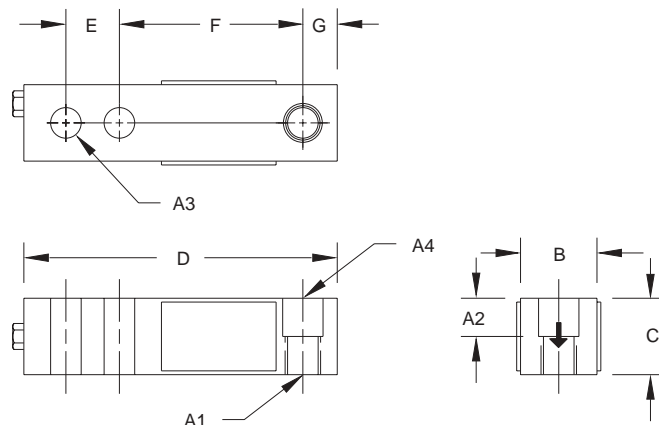
Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	68825.....	\$295.00
2500 lb (1134.0 kg)	68824.....	\$295.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Fairbanks®	65023A-XX-5164

65023A-5141 Single-Ended Shear Beam, Alloy Steel

NTEP 1:5000 Class III Multiple Cell, IP67



RATED CAPACITY	A1	A2	A3	A4	B	C	D	E	F	G
lb/inches										
1000-2500	1/2-20 UNF-2B	.62	.53	.53 DIA.	1.25	1.25	5.12	1.00	3.00	.50
kg/mm										
453.6-1134.0	1/2-20 UNF-2B	15.8	13.5	13.5 DIA.	31.8	31.8	130.1	25.4	76.2	12.7

SPECIFICATIONS:

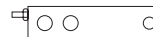
Full Scale Output:	3.0 mV/V	Hysteresis:	0.02% Full scale
Bridge Resistance:	350 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	High-alloy steel, nickel plated	Deflection at Capacity:	1000 lb = .013"/.33 mm, 2500 lb = .015"/.38 mm
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Seal Type:	Environmentally-sealed, IP67
Manufacturer		Cable Length:	9'/2.7 m
Model Number:	65023A-XX-5141	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		

ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	68827	\$295.00
2500 lb (1134.0 kg)	68826	\$295.00

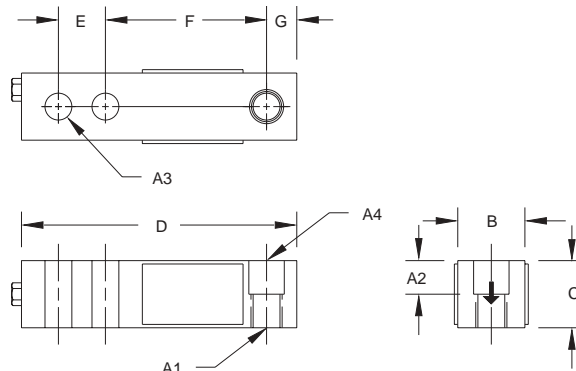
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Pennsylvania	65023A-XX-5141



65023 Single-Ended Shear Beam, Alloy Steel

NTEP 1:5000 Class III Multiple Cell, IP67



RATED CAPACITY	DIMENSIONS									
	A1	A2	A3	A4	B	C	D	E	F	G
lb/inches										
500	1/2-20 UNF-2B	.50	.53	.53 DIA.	1.25	1.00	5.12	1.00	3.00	.50
1000-4000	1/2-20 UNF-2B	.62	.53	.53 DIA.	1.25	1.25	5.12	1.00	3.00	.50
5000-10,000	3/4-16 UNF-2B	.75	.78	.78 DIA.	1.50	1.50	6.75	1.50	3.75	.75
15,000-20,000	1-14 UNS-2B	1.00	1.03	1.03 DIA.	2.00	2.00	8.88	2.00	4.88	1.00
kg/mm										
226.8	1/2-20 UNF-2B	12.7	13.5	13.5 DIA.	31.8	25.4	130.1	25.4	76.2	12.7
453.6-1814.4	1/2-20 UNF-2B	15.8	13.5	13.5 DIA.	31.8	31.8	130.1	25.4	76.2	12.7
2268.0-4535.9	3/4-16 UNF-2B	19.1	19.8	19.8 DIA.	38.1	38.1	171.5	38.1	95.3	19.1
6803.9-9071.9	1-14 UNS-2B	25.4	26.2	26.2 DIA.	50.8	50.8	225.6	50.8	124.0	25.4

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	High-alloy steel, nickel plated
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Manufacturer	
Model Number:	65023-XX-X107 (Threaded), 65023-XX (Thru)
Safe Overload:	150% Full scale
Rated Excitation:	10V DC (15V maximum)
Nonlinearity:	0.03% Full scale
Hysteresis:	0.02% Full scale

Insulation Resistance:	5000 megohms
Deflection at Capacity:	500-1000 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
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

65023 (THREADED HOLE) ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Threaded Hole, NTEP 1:5000		
1000 lb (453.6 kg)	21507	\$295.00
1500 lb (680.4 kg)	69832	\$295.00
2000 lb (907.2 kg)	21508	\$295.00
2500 lb (1134.0 kg)	21509	\$295.00
3000 lb (1360.8 kg)	21510	\$295.00
4000 lb (1814.4 kg)	21511	\$295.00
5000 lb (2268.0 kg)	21512	\$375.00
10,000 lb (4535.9 kg)	21513	\$375.00

Threaded Hole, Non-NTEP

500 lb (226.8 kg)	17125	\$295.00
15,000 lb (6803.9 kg)	17155	\$650.00
20,000 lb (9071.9 kg)	17159	\$650.00

65023 (THRU HOLE) ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Thru Hole, Non-NTEP		
1000 lb (453.6 kg)	17126	\$295.00
2000 lb (907.2 kg)	17130	\$295.00
2500 lb (1134.0 kg)	17134	\$295.00
4000 lb (1814.4 kg)	17142	\$295.00
5000 lb (2268.0 kg)	17146	\$375.00
10,000 lb (4535.9 kg)	17150	\$375.00
15,000 lb (6803.9 kg)	17154	\$650.00
20,000 lb (9071.9 kg)	17158	\$650.00

INTERCHANGEABLE PRODUCTS

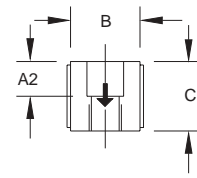
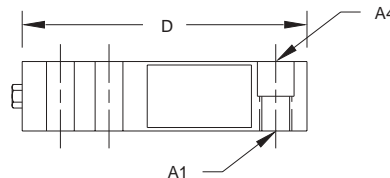
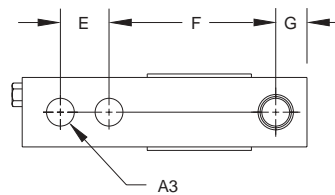
Manufacturer	Model
Rice Lake Weighing Systems	(see page 109) RL35023
Vishay Celtron	(see page 181) SQB

WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	30
RL1800 Series	40

65023 SS Single-Ended Beam, Stainless Steel

Threaded and Thru, IP67



RATED CAPACITY	DIMENSIONS									
	A1	A2	A3	A4	B	C	D	E	F	G
lb/inches										
250-500	1/2-20 UNF-2B	.50	.53	.53 DIA.	1.25	1.00	5.12	1.00	3.00	.50
1000-4000	1/2-20 UNF-2B	.62	.53	.53 DIA.	1.25	1.25	5.12	1.00	3.00	.50
5000-10,000	3/4-16 UNF-2B	.75	.78	.78 DIA.	1.50	1.50	6.75	1.50	3.75	.75
15,000-20,000	1-14 UNS-2B	1.00	1.03	1.03 DIA.	2.00	2.00	8.88	2.00	4.88	1.00
kg/mm										
113.4-226.8	1/2-20 UNF-2B	12.7	13.5	13.5 DIA.	31.8	25.4	130.1	25.4	76.2	12.7
453.6-1814.4	1/2-20 UNF-2B	15.8	13.5	13.5 DIA.	31.8	31.8	130.1	25.4	76.2	12.7
2268.0-4535.9	3/4-16 UNF-2B	19.1	19.8	19.8 DIA.	38.1	38.1	171.5	38.1	95.3	19.1
6803.9-9071.9	1-14 UNS-2B	25.4	26.2	26.2 DIA.	50.8	50.8	225.6	50.8	124.0	25.4

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range
0°F to 150°F/-18°C to 65°C
Manufacturer:
Model Number: 65023-XX-0113 (Threaded),
65023-XX-0114 (Thru)
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Nonlinearity: 0.03% Full scale
Hysteresis: 0.02% Full scale

Insulation Resistance: 5000 megohms
Deflection at Capacity: 250-1000 lb = .013"/.33 mm, 2000-2500 lb = .015"/.38 mm, 4000-5000 lb = .025"/.64 mm, 10,000 lb = .032"/.81 mm, 15,000-20,000 lb = .038"/.97 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

65023 SS ORDER INFORMATION

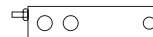
Load Rating	Part #	Suggested List Price
Threaded Hole		
250 lb (113.4)	46499	\$365.00
500 lb (226.8 kg)	17188	\$365.00
1000 lb (453.6 kg)	17128	\$345.00
2000 lb (907.2 kg)	17132	\$345.00
2500 lb (1134.0 kg)	17136	\$345.00
4000 lb (1814.4 kg)	17144	\$345.00
5000 lb (2268.0 kg)	17148	\$410.00
10,000 lb (4535.9 kg)	17152	\$410.00
15,000 lb (6803.9 kg)	17156	\$760.00
20,000 lb (9071.9 kg)	17160	\$760.00
Thru Hole		
1000 lb (453.6 kg)	17129	\$345.00
2000 lb (907.2 kg)	17133	\$345.00
2500 lb (1134.0 kg)	17137	\$345.00
4000 lb (1814.4 kg)	17145	\$345.00
5000 lb (2268.0 kg)	17149	\$410.00
10,000 lb (4535.9 kg)	17153	\$410.00
15,000 lb (6803.9 kg)	17157	\$760.00
20,000 lb (9071.9 kg)	17161	\$760.00

INTERCHANGEABLE PRODUCTS

Manufacturer **Model**
Rice Lake Weighing Systems (see page 110) RL35023S

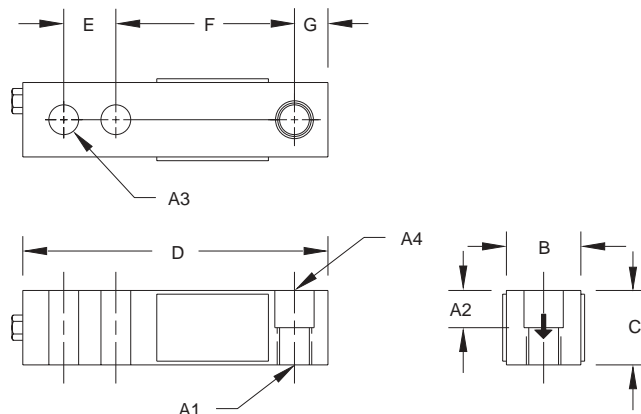
WEIGH MODULE AVAILABLE

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



65023 S Single-Ended Shear Beam, Stainless Steel

NTEP 1:5000 Class III Multiple Cell, IP67



RATED CAPACITY	A1	A2	A3	DIMENSIONS						
				A4	B	C	D	E	F	G
lb/inches										
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
kg/mm										
453.6-1814.4	1/2-20 UNF-2B	15.8	13.5	13.5 DIA.	31.8	31.8	130.1	25.4	76.2	12.7
2268.0-4535.9	3/4-16 UNF-2B	19.1	19.8	19.8 DIA.	38.1	38.1	171.5	38.1	95.3	19.1

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range
14°F to 104°F/-10°C to 40°C
Manufacturer
Model Number: 65023S-XX-5113
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Nonlinearity: 0.03% Full scale
Hysteresis: 0.02% Full scale

Insulation Resistance: 5000 megohms
Deflection at Capacity: 1000 lb = .013"/.33 mm, 2000-2500 lb = .015"/.38 mm, 4000-5000 lb = .025"/.64 mm, 10,000 lb = .032"/.81 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

65023 S ORDER INFORMATION

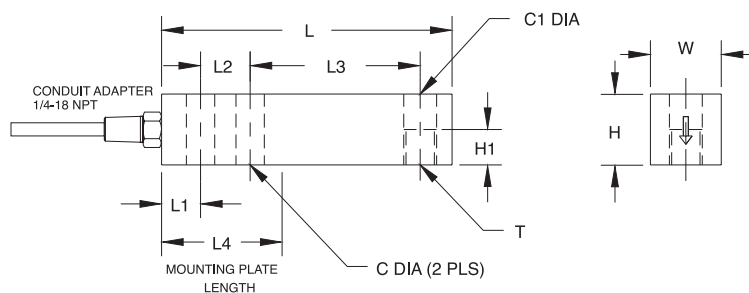
Load Rating	Part #	Suggested List Price
Threaded Hole		
1000 lb (453.6 kg)	28925.....	\$365.00
2000 lb (907.2 kg)	28926.....	\$365.00
2500 lb (1134.0 kg)	28927.....	\$365.00
4000 lb (1814.4 kg)	28929.....	\$365.00
5000 lb (2268.0 kg)	28930.....	\$410.00
10,000 lb (4535.9 kg)	28931.....	\$410.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 110) RL35023S
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

Full Scale Output:	3.0 mV/V	Insulation Resistance:	5000 megohms
Bridge Resistance:	350 ohms, nominal	Deflection at Capacity:	1000 lb = .013"/.33 mm, 2500 lb = .015"/.38 mm, 4000-5000 lb = .025"/.64 mm, 10,000 lb = .032"/.81 mm
Material/Finish:	Stainless steel	Seal Type:	Welded-seal*, IP67
Temperature:	Operating range 0°F to 150°F/-18°C to 65°C	Cable Length:	20'/6.1 m
Manufacturer		Conduit Adapter Size:	1/4-18 NPT
Model Number:	65083-XX-0100	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)		
Combined Error:	0.3% Full scale		
Non-repeatability:	0.01% Full scale		

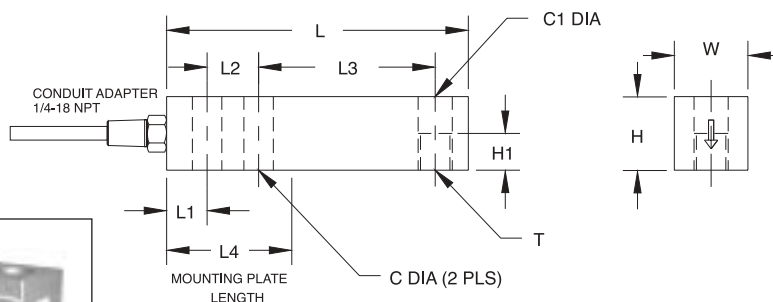
Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	17262.....	\$405.00
2500 lb (1134.0 kg)	17263.....	\$405.00
4000 lb (1814.4 kg)	17264.....	\$405.00
5000 lb (2268.0 kg)	17265.....	\$455.00
10,000 lb (4535.9 kg)	17266.....	\$455.00

Manufacturer	Model
Rice Lake Weighing Systems	(see page 111) RL35083
Vishay Celtron	(see page 182) SQB-HSS

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

65083 S Single-Ended Beam, Stainless Steel

Welded-seal, IP67, IP66/68, NTEP 1:5000 Class III Multiple Cell



RATED CAPACITY	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

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
Manufacturer	
Model Number:	65083S-5100 (IP67 model) 65083S-5117 (IP66/68 model)
Safe Overload:	150% Full scale
Rated Excitation:	10V DC (15V maximum)
Combined Error:	0.02% Full scale
Non-repeatability:	0.01% Full scale

Insulation Resistance:	5000 megohms
Deflection at Capacity:	1000 lb = .013"/.33 mm, 2500 lb = .015"/.38 mm, 4000-5000 lb = .025"/.64 mm, 10,000 lb = .032"/.81 mm
Seal Type:	Welded-seal, IP67; Hermetically-sealed*, IP66/68
Cable Length:	20'/6.1 m, Teflon coated
Conduit Adapter Size:	1/4-18 NPT**
Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Warranty:	2-year limited warranty

65083 S ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Welded-seal IP67		
1000 lb (453.6 kg)	33552.....	\$425.00
2500 lb (1134.0 kg)	33553.....	\$425.00
4000 lb (1814.4 kg)	33554.....	\$425.00
5000 lb (2268.0 kg)	33555.....	\$475.00
10,000 lb (4535.9 kg)	33556.....	\$475.00
Hermetically-sealed IP66/68		
1000 lb (453.6 kg)	33734.....	\$505.00
2500 lb (1134.0 kg)	33735.....	\$505.00
4000 lb (1814.4 kg)	33736.....	\$505.00
5000 lb (2268.0 kg)	33737.....	\$555.00
10,000 lb (4535.9 kg)	33738.....	\$555.00

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

** IP66/68 Hermetically-sealed version have 1/2-14 NPT conduit adapters

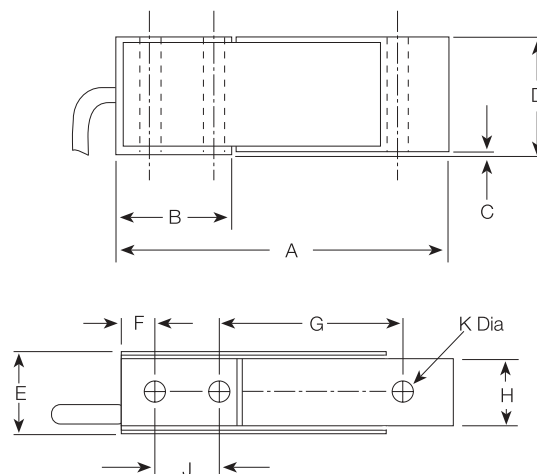
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 112) RL35082

WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	30
RL1800 Series	40

65007 Single-Ended Beam, Alloy Steel, IP67



RATED CAPACITY	DIMENSIONS									
	A	B	C	D	E	F	G	H	J	K
lb/inches 25-250	2.38	.90	.03	1.00	.63	.25	1.31	.50	.50	.171
kg/mm 11.3-113.4	60.5	22.9	.76	25.4	16.0	6.4	33.3	12.7	12.7	4.3

SPECIFICATIONS:

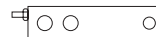
Full Scale Output:	3.0 mV/V	Hysteresis:	0.02% Full scale
Bridge Resistance:	350 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	High-alloy steel, nickel plated	Seal Type:	Environmentally-sealed, IP67
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Cable Length:	20'/6.1 m
Manufacturer		Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Model Number:	65007	Warranty:	2-year limited warranty
Safe Overload:	150% Full scale		
Rated Excitation:	10V DC		
Nonlinearity:	0.03% Full scale		

65007 ORDER INFORMATION

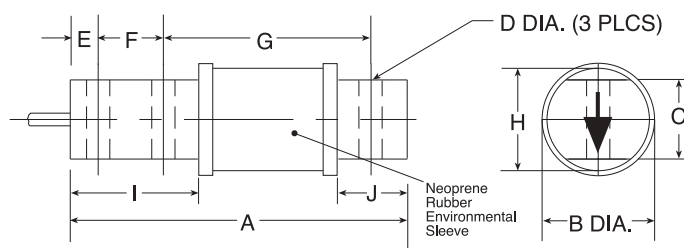
Load Rating	Part #	Suggested List Price
25 lb (11.3 kg)	30158	\$245.00
50 lb (22.7 kg)	30159	\$245.00
75 lb (34.0 kg)	30160	\$245.00
150 lb (68.0 kg)	17457	\$245.00
250 lb (113.4 kg)	17458	\$245.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron	(see page 183) MBB
Interface®	MB
Revere Transducers	CBU



60040 Single-Ended Beam, Alloy Steel, IP65



RATED CAPACITY

lb/inches
25-500

A

B

C

DIMENSIONS

D

E

F

G

H

I

J

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: High-alloy steel, nickel plated
Temperature: Compensated range
0°F to 150°F/-18°C to 65°C
Manufacturer: Sensortronics
Model Number: 60040
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Nonlinearity: 0.03% Full scale
Hysteresis: 0.02% Full scale

Insulation Resistance: 5000 megohms
Deflection at Capacity: 25-50 lb = .008"/20 mm, 75-100 lb = .010"/25 mm,
150 lb = .012"/30 mm, 250 lb = .016"/41 mm,
500 lb = .025"/64 mm
Seal Type: Environmentally-sealed with a neoprene sleeve, IP65
Cable Length: 20'/6.1m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Warranty: 2-year limited warranty

60040 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
25 lb (11.3 kg)	17369	\$245.00
50 lb (22.7 kg)	17370	\$245.00
75 lb (34.0 kg)	17371	\$245.00
100 lb (45.4 kg)	17372	\$245.00
150 lb (68.0 kg)	17373	\$245.00
250 lb (113.4 kg)	17374	\$245.00
500 lb (226.8 kg)	17375	\$245.00

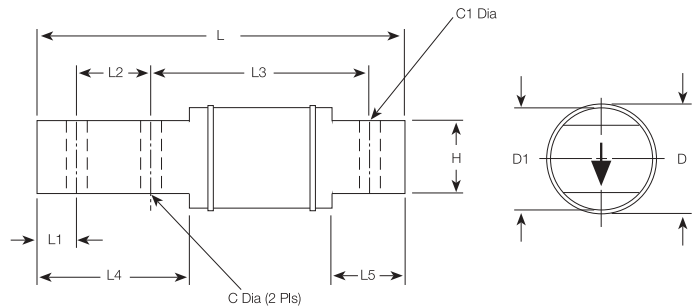
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 122) RL50210
Rice Lake Weighing Systems	(see page 123) RL50210SS
Revere Transducers	5503
Artech	50210

WEIGH MODULE AVAILABLE

Model	Page#
RL50210 TA	30

60030 Single-Ended Beam, Alloy Steel, IP65



RATED CAPACITY	DIMENSIONS										
	C	C1	D	D1	H	L	L1	L2	L3	L4	L5
lb/inches 50-300	.26	.172	1.12	1.00	.62	3.75	.25	.50	2.75	1.00	.69
kg/mm 22.7-136.1	6.6	4.4	28.5	25.4	15.8	95.3	6.4	12.7	69.9	25.4	17.5

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, nickel plated
Temperature: Compensated range
0°F to 150°F/-18°C to 65°C
Manufacturer
Model Number: 60030
Safe Overload: 150% Full scale
Rated Excitation: 10V DC
Nonlinearity: 0.04% Full scale
Hysteresis: 0.02% Full scale

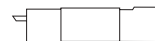
Insulation Resistance: 5000 megohms
Seal Type: Environmentally-sealed with a neoprene sleeve, IP65
Cable Length: 20'/6.1m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Warranty: 2-year limited warranty

60030 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50 lb (22.7 kg)	17365.....	\$315.00
75 lb (34.0 kg)	17366.....	\$315.00
150 lb (68.0 kg)	17367.....	\$315.00
300 lb (136.1 kg)	17368.....	\$315.00

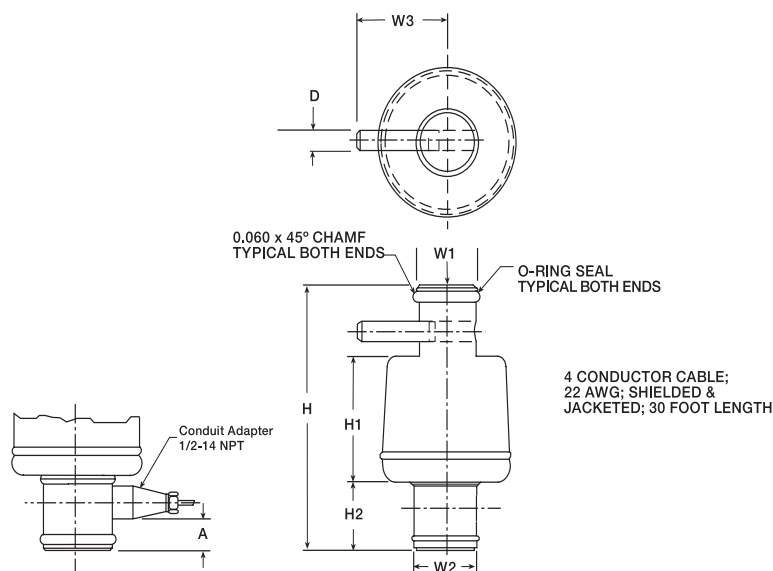
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Electroscale.....	LCB Bases



65114 Rocker Column, Stainless Steel

Hermetically-sealed, IP68, NTEP 1:10,000



RATED CAPACITY	A	D	H	H1	H2	W1	W2	W3
lb/inches								
50,000	.62	.38	6.00	2.82	1.59	1.46	1.46	2.5
50,000 LE	.62	.38	7.56	2.82	1.59	1.46	1.46	2.5
100,000	.62	.38	8.86	2.82	1.59	1.46	1.46	2.5
kg/mm								
22,680.0	15.6	9.7	152.4	71.6	40.4	37.08	37.1	63.5
22,680.0	15.6	9.7	192.0	71.6	40.4	37.08	37.1	63.5
45,360.0	15.6	9.7	225.0	71.6	40.4	37.08	37.1	63.5

SPECIFICATIONS:

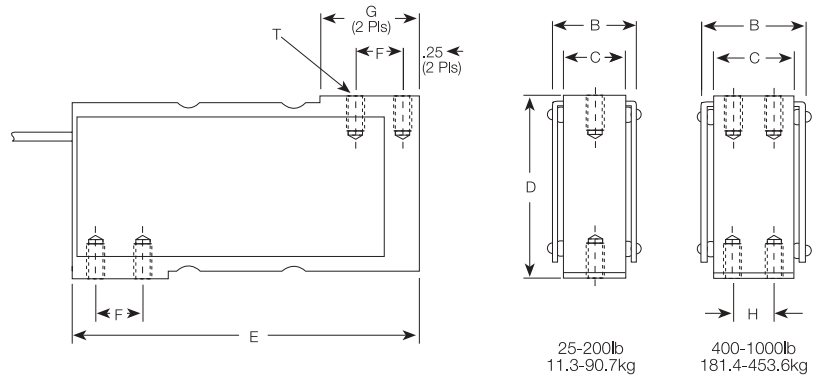
Full Scale Output:	2.0 mV/V nominal	Combined Error:	0.03% Full scale
Bridge Resistance:	1000 Ohms	Insulation Resistance:	1000 megohms
Material/Finish:	Stainless steel	Seal Type:	Hermetically-sealed, IP68
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Length:	35'/10.6 m
Manufacturer:		Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Model Number:	65114SXX-1000H	Warranty:	2-year limited warranty
Safe Overload:	150% Full scale		
Rated Excitation:	10V AC/DC (25V maximum)		

65114 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50,000 lb (22,680.0 kg)	46497	\$695.00
50,000 lb LE (22,680.0 kg)	47952	\$695.00
100,000 lb (45,360.0 kg)	47953	\$1,035.00

LE refers to large envelope

60048 Single Point, Alloy Steel, IP61



RATED CAPACITY	DIMENSIONS							
	T	B	C	D	E	F	G	H
lb/inches								
25-200	1/4-28 UNF x .75 DP	1.25	1.00	3.00	6.00	1.00	1.50	—
400-500	1/4-28 UNF x .75 DP	1.25	1.00	3.00	6.00	1.00	1.50	.50
1000	5/16-24 UNF x .75 DP	1.75	1.50	3.00	6.00	1.00	1.50	1.00
kg/mm								
11.3-90.7	1/4-28 UNF x .75 DP	31.8	25.4	76.2	152.4	25.4	38.1	—
181.4-226.8	1/4-28 UNF x .75 DP	31.8	25.4	76.2	152.4	25.4	38.1	12.7
453.6	5/16-24 UNF x .75 DP	44.5	38.1	76.2	152.4	25.4	38.1	25.4

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V nominal
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, nickel plated
Temperature: Compensated range 0°F to 150°F/-18°C to 65°C
Manufacturer Model Number: 60048
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 lb = .016"/.41 mm, 50-100 lb = .013"/.33 mm, 200 lb = .015"/.38 mm, 400-500 lb = .023"/.58 mm, 1000 lb = .016"/.41 mm
Seal Type: Unpotted, IP61
Cable Length: 10'/3.1 m
Cable Color Code: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
Warranty: 2-year limited warranty

60048 ORDER INFORMATION

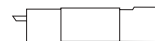
Load Rating	Part #	Suggested List Price
25 lb (11.3 kg)	17418.....	\$425.00
50 lb (22.7 kg)	17420.....	\$395.00
100 lb (45.4 kg)	17422.....	\$395.00
200 lb (90.7 kg)	17424.....	\$395.00
400 lb (181.4 kg)	17426.....	\$440.00
500 lb (226.8 kg)	17428.....	\$465.00
1000 lb (453.6 kg)	17430.....	\$535.00
Adapter Kit* (400 & 500 lb)	25562.....	\$39.00
Single Adapter** (25-200 lb)	17683.....	\$25.00

* Part #25562 is needed to convert 400-500 lb (181.4-226.8 kg) capacity cells to these bases

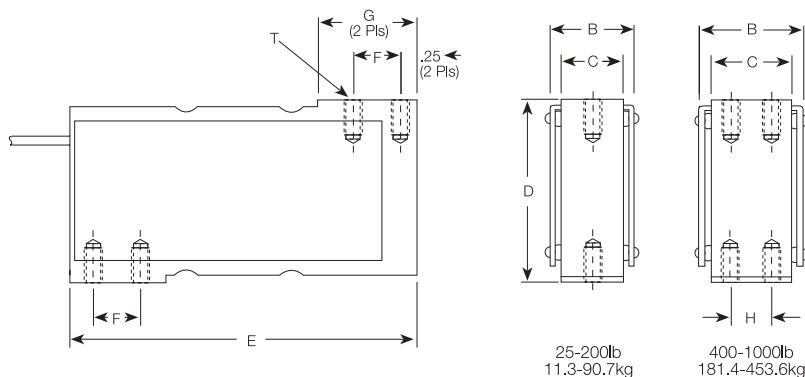
** Part #17683 is needed to use the 60048 load cell in NCI model 3255 and 3256 bases, 25-200 lb (11.3-90.7 kg) capacities

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
NCI®/Weigh-Tronix®	Mark V



60048 SS Single Point, Stainless Steel, IP67



RATED CAPACITY

DIMENSIONS

	T	B	C	D	E	F	G	H
lb/inches								
25-200	1/4-28 UNF x .75 DP	1.25	1.00	3.00	6.00	1.00	1.50	—
400-500	1/4-28 UNF x .75 DP	1.25	1.00	3.00	6.00	1.00	1.50	.50
1000	5/16-24 UNF x .75 DP	1.75	1.50	3.00	6.00	1.00	1.50	1.00
kg/mm								
11.3-90.7	1/4-28 UNF x .75 DP	31.8	25.4	76.2	152.4	25.4	38.1	—
181.4-226.8	1/4-28 UNF x .75 DP	31.8	25.4	76.2	152.4	25.4	38.1	12.7
453.6	5/16-24 UNF x .75 DP	44.5	38.1	76.2	152.4	25.4	38.1	25.4

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V nominal
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 0°F to 150°F/-18°C to 65°C
 Manufacturer Model Number: 60048-XX-0108
 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 lb = .016"/.41 mm, 50-100 lb = .013"/.33 mm,
 200 lb = .015"/.38 mm, 400-500 lb = .023"/.58 mm,
 1000 lb = .016"/.41 mm
 Seal Type: Environmentally-sealed, potted, IP67
 Cable Length: 10'/3.1 m
 Cable Color Code: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
 Warranty: 2-year limited warranty

60048 SS ORDER INFORMATION

Load Rating	Part #	Suggested List Price
25 lb (11.3 kg)	17419.....	\$455.00
50 lb (22.7 kg)	17421.....	\$445.00
100 lb (45.4 kg)	17423.....	\$445.00
200 lb (90.7 kg)	17425.....	\$445.00
400 lb (181.4 kg)	17427.....	\$495.00
500 lb (226.8 kg)	17429.....	\$515.00
1000 lb (453.6 kg)	17431.....	\$565.00

Adapter Kit* (400 & 500 lb) 25562.....\$39.00
 Single Adapter** (25-200 lb) 17683.....\$25.00

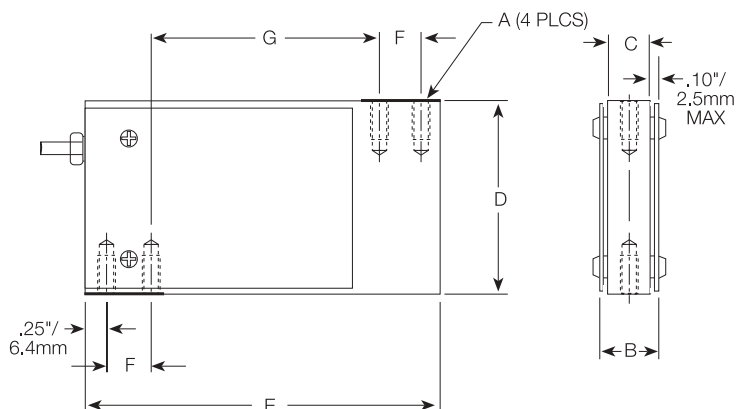
* Part #25562 is needed to convert 400-500 lb (181.4-226.8 kg) capacity cells to these bases

** Part #17683 is needed to use the 60048 load cell in NCI model 3255 and 3256 bases, 25-200 lb (11.3-90.7 kg) capacities

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
NCI®/Weigh-Tronix®	Mark V

60051 Single Point Beam, Stainless Steel, IP67



RATED CAPACITY

lb/inches

10-25
50-200

A

B

DIMENSIONS

C

D

E

F

G

kg/mm

4.5-11.3
22.7-90.7

1/4-28 UNF-2B
1/4-28 UNF-2B

.70
.95

.50
.75

2.50
2.50

4.63
4.63

.75
.75

2.62
2.62

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range
0°F to 150°F/-18°C to 65°C
Manufacturer Model Number: 60051
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Nonlinearity: 0.03% Full scale

Hysteresis: 0.02% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 10-15 lb = .014"/.36 mm, 25-200 lb = .010"/.25 mm
Seal Type: Environmentally-sealed, IP67
Cable Length: 10'/3.1 m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Warranty: 2-year limited warranty

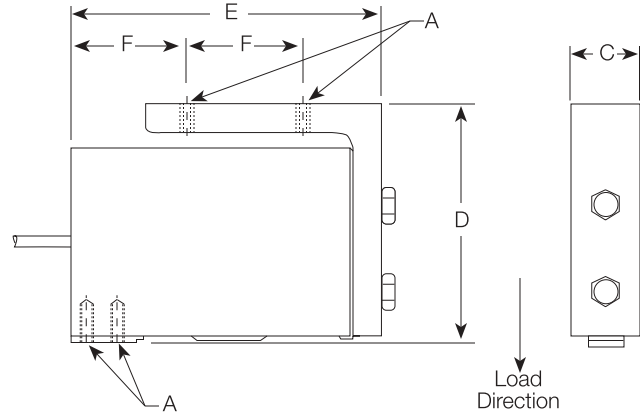
60051 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
10 lb (4.5 kg)	17432.....	\$335.00
15 lb (6.8 kg)	17433.....	\$335.00
25 lb (11.3 kg)	17434.....	\$335.00
50 lb (22.7 kg)	17435.....	\$420.00
100 lb (45.4 kg)	17436.....	\$420.00
200 lb (90.7 kg)	17437.....	\$420.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
NCI®	Mark III
NCI®	Mark IX

65024 Single Point, Alloy Steel, IP61



RATED CAPACITY	A	C	DIMENSIONS D	E	F
lb/inches 2-25	1/4-28 UNF-2B	1.00	3.00	4.12	1.63
kg/mm 0.9-11.3	1/4-28 UNF-2B	25.4	76.2	104.7	41.4

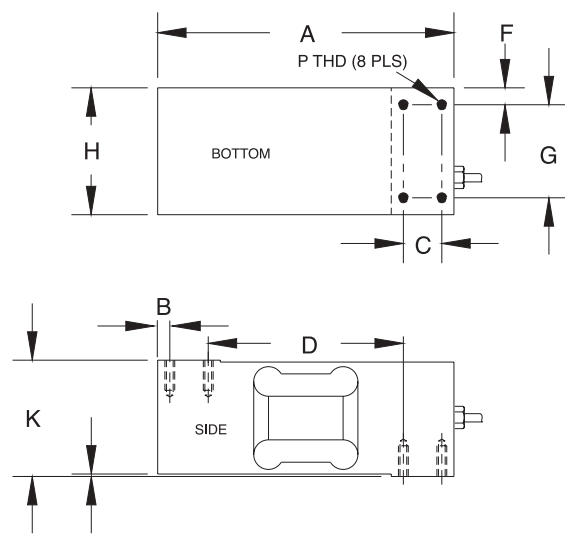
SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Hysteresis:	0.02% Full scale
Bridge Resistance:	350 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	High-alloy steel, nickel plated	Deflection at Capacity:	2 lb = .023"/.58 mm, 5-25 lb = .020"/.51 mm
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C	Seal Type:	Environmentally-sealed, IP61
Manufacturer Model Number:	65024	Cable Length:	10'/3.1 m
Safe Overload:	150% Full scale	Cable Color Code:	Red + Excitation Black - Excitation Green + Signal White - Signal
Rated Excitation:	10V DC (15V maximum)	Warranty:	2-year limited warranty
Nonlinearity:	0.03% Full scale		

65024 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
2 lb (0.9 kg)	17438.....	\$350.00
5 lb (2.3 kg)	17439.....	\$350.00
10 lb (4.5 kg)	17440.....	\$350.00
25 lb (11.3 kg)	17441.....	\$350.00

60060 Single Point, Aluminum, Clear Anodized, IP67



RATED CAPACITY	DIMENSIONS									
	A	B	C	D	F	G	H	K	L	P
lb/inches										
100-2000	7.50	.31	.98	4.92	.30	2.36	2.95	2.95	.06	5/16-18-2B X .75 DP
kg/mm										
45.4-907.2	190.5	7.9	25.0	125.0	7.6	60.0	75.0	75.0	1.5	5/16-18-2B X 19 DP

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: Aluminum, clear anodized
 Temperature: Compensated range
 0°F to 150°F/-18°C to 65°C
 Manufacturer: Vishay Sensortronics
 Model Number: 60060
 Safe Overload: 150% Full scale
 Rated Excitation: 10V DC (20V maximum)
 Max. Platform Size: 30" x 30"/762mm x 762mm

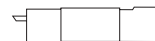
Combined Error: 0.02% Full scale
 Insulation Resistance: 5000 megohms
 Deflection at Capacity: 250 lb = .010"/.25 mm, 500-2000 lb = .006"/.15 mm
 Seal Type: Environmentally-sealed, IP67
 Cable Length: 10'/3.1 m
 Cable Color Code: Red + Excitation
 Black..... - Excitation
 Green..... + Signal
 White - Signal
 Warranty: 2-year limited warranty

60060 ORDER INFORMATION

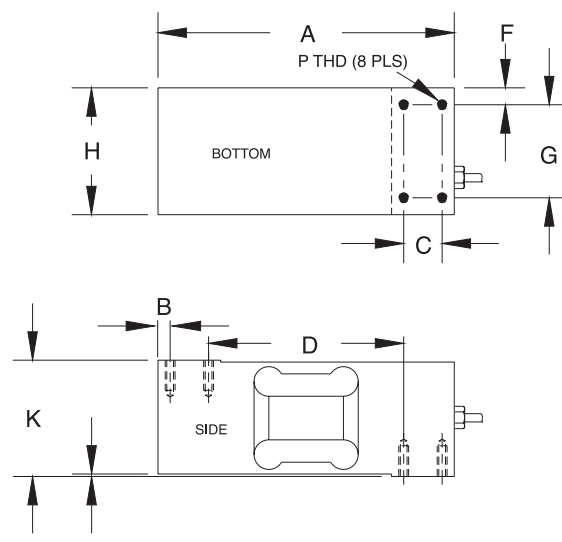
Load Rating	Part #	Suggested List Price
100 lb (45.4 kg)	36479.....	\$350.00
250 lb (113.4 kg)	17582.....	\$350.00
500 lb (226.8 kg)	17583.....	\$350.00
750 lb (340.2 kg)	17584.....	\$350.00
1000 lb (453.6 kg)	17585.....	\$350.00
2000 lb (907.2 kg)	17586.....	\$350.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	(see page 309) 60060-0101*
* Stainless steel	



60060-0101 Single Point, Stainless Steel, IP67



RATED CAPACITY	DIMENSIONS									
	A	B	C	D	F	G	H	K	L	P
lb/inches										
250-2000	7.50	.31	.98	4.92	.30	2.36	2.95	2.95	.06	5/16-18-2B X .75 DP
kg/mm										
113.4-907.2	190.5	7.9	25.0	125.0	7.6	60.0	75.0	75.0	1.5	5/16-18-2B X 19 DP

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 0°F to 150°F/-18°C to 65°C
 Manufacturer
 Model Number: 60060-XX-0101
 Safe Overload: 150% Full scale
 Rated Excitation: 10V DC (20V maximum)
 Max. Platform Size: 30" x 30"/762mm x 762mm

Combined Error: 0.02% Full scale
 Insulation Resistance: 5000 megohms
 Deflection at Capacity: 250 lb = .010"/.25 mm, 500-2000 lb = .006"/.15 mm
 Seal Type: Environmentally-sealed, IP67
 Cable Length: 10'/3.1 m
 Cable Color Code: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
 Warranty: 2-year limited warranty

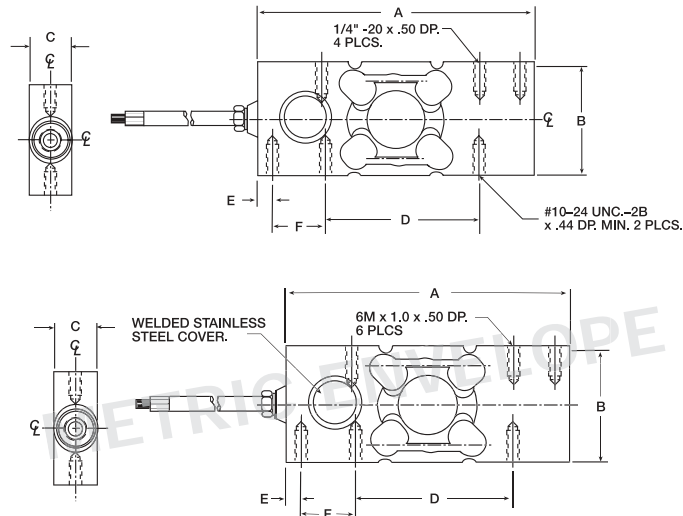
60060-0101 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
250 lb (113.4 kg)	36481	\$995.00
500 lb (226.8 kg)	36482	\$995.00
750 lb (340.2 kg)	36483	\$995.00
1000 lb (453.6 kg)	36484	\$995.00
2000 lb (907.2 kg)	36485	\$995.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	(see page 308) 60060*
* Aluminum	

60064 Single Point, Stainless Steel Welded-seal, IP67



RATED CAPACITY	A	B	DIMENSIONS C	D	E	F
lb/inches						
13.2-50	5.00	1.99	.72	3.00	.25	.75
100-132.3	5.00	1.99	.94	3.00	.25	.75
kg/mm						
6.0-22.7	127.0	50.4	18.3	76.2	6.4	19.1
45.4-60.0	127.0	50.4	23.9	76.2	6.4	19.1

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V (lb)
2.0 mV/V (kg)
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range
0°F to 150°F/-18°C to 65°C
Manufacturer:
Model Number: 60064
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (15V maximum)

Combined Error: 0.03% Full scale
Non-repeatability: 0.01% Full scale
Insulation Resistance: 5000 megohms
Seal Type: Welded-seal, IP67
Cable Length: 10'/3.0 m
Cable Color Code: Green + Excitation
Black - Excitation
White + Signal
Red - Signal
Warranty: 2-year limited warranty

60064 ORDER INFORMATION

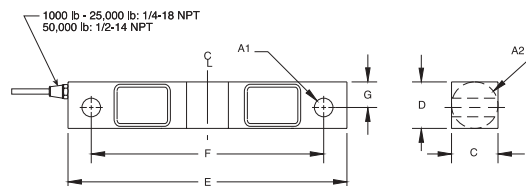
Load Rating	Part #	Suggested List Price
25 lb (11.3 kg)	41125.....	\$615.00
50 lb (22.7 kg)	41126.....	\$615.00
100 lb (45.4 kg)	41127.....	\$780.00
Metric		
6 kg (13.2 lb)	41128.....	\$615.00
15 kg (33.1 lb)	41129.....	\$615.00
60 kg (132.3 lb)	41130.....	\$780.00

INTERCHANGEABLE PRODUCTS

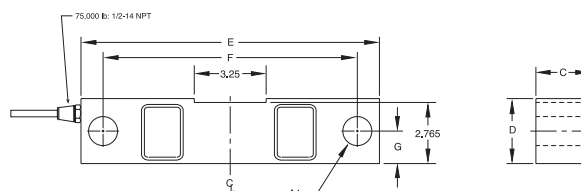
Manufacturer	Model
Avoirdupois	
Revere Transducers.....	(see page 280) HPS
Metric	
Revere Transducers.....	(see page 281) HPSM



65016 Double-Ended Beam, Alloy Steel, IP67



1000-50,000 lb/453.6-22,679.6 kg



75,000 lb/34,019.4 kg

RATED CAPACITY	A1	A2	C	DIMENSIONS	E	F	G	CONDUIT ADAPTER
				D				
lb/inches								
1000-5000	.50	1.25	1.25	1.25	7.50	6.25	.69	1/4-18 NPT
10,000-25,000	.81	1.99	1.44	1.94	8.75	7.50	.96	1/4-18 NPT
35,000	.81	2.50	1.50	2.50	8.75	7.50	—	
50,000	1.31	3.00	2.44	2.94	13.50	11.50	1.50	1/2-14 NPT
75,000	1.31	—	2.44	2.94	13.50	11.50	1.47	1/2-14 NPT
kg/mm								
453.6-2268.0	12.7	31.8	31.8	31.8	190.5	158.8	17.5	1/4-18 NPT
4535.9-15,876.0	20.6	50.8	36.6	49.3	222.3	190.5	24.4	1/4-18 NPT
22,679.6	33.3	76.2	62.0	74.7	342.9	292.1	38.1	1/2-14 NPT
34,019.4	33.3	—	62.0	74.7	342.9	292.1	37.3	1/2-14 NPT

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V nominal
 Bridge Resistance: 700 ohms, nominal
 Material/Finish: High-alloy steel, nickel plated
 Temperature: Compensated range
 0°F to 150°F/-18°C to 65°C

Manufacturer
 Model Number: 65016-XX
 Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (25V maximum)

Nonlinearity: 0.03% Full scale
 Hysteresis: 0.02% Full scale
 Insulation Resistance: 5000 megohms
 Seal Type: 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

65016 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	17268	\$550.00
1500 lb (680.4 kg)	17270	\$550.00
2500 lb (1134.0 kg)	17273	\$550.00
5000 lb (2268.0 kg)	17275	\$550.00
10,000 lb (4535.9 kg)	17277	\$625.00
15,000 lb (6803.9 kg)	17279	\$625.00
20,000 lb (9071.9 kg)	17281	\$625.00
25,000 lb (11,339.8 kg)	17282	\$625.00
35,000 lb (15,876.0 kg)	46498	\$830.00
50,000 lb (22,679.6 kg)	17284	\$950.00
*75,000 lb (34,019.4 kg)	25358	\$950.00

* 75,000 lb capacity has a square center

INTERCHANGEABLE PRODUCTS

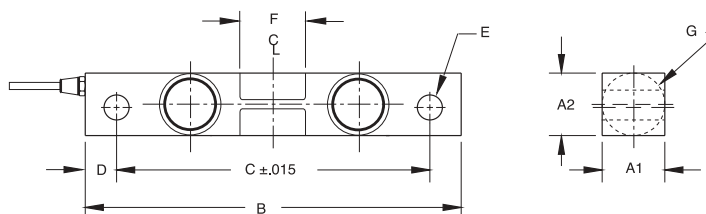
Manufacturer	Model
Rice Lake Weighing Systems	(see page 135) RL75016
Vishay Celtron	(see page 187) DSR
Revere Transducers	5203

WEIGH MODULE AVAILABLE

Model	Page #
RL1600 Series	62 and 64

65016W Double-Ended Beam, Stainless Steel

Welded-seal, IP67



RATED CAPACITY	A1	A2	B	DIMENSIONS C	D	E	F	G	CONDUIT ADAPTER
lb/inches									
1000-5000	1.22	1.22	7.50	6.25	.62	.50	1.12	1.25	1/4-18NPT
10,000-25,000	1.44	1.94	8.75	7.50	.62	.81	1.62	1.99	1/4-18NPT
50,000-75,000	2.44	2.94	13.50	11.50	1.00	1.31	3.25	2.99	1/2-14NPT
kg/mm									
453.6-2268.0	31.0	31.0	190.5	158.8	15.7	12.7	28.4	31.8	1/4-18NPT
4535.9-11,339.8	36.6	49.3	222.3	190.5	15.7	20.6	41.1	50.5	1/4-18NPT
15,876.0	36.6	62.0	222.3	190.5	15.7	20.6	41.1	63.5	1/4-18NPT
22,679.6-34,019.4	62.0	74.7	342.9	292.1	25.4	33.3	82.6	75.9	1/2-14NPT

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V nominal
Bridge Resistance: 700 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range
0°F to 150°F/-18°C to 65°C
Manufacturer:
Model Number: 65016W-XX-0104W
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (25V maximum)
Nonlinearity: 0.03% Full scale

Hysteresis: 0.02% Full scale
Insulation Resistance: 5000 megohms
Seal Type: Welded-seal, IP67
Cable Length: 25'/7.6 m
Cable Color Code: Red + Excitation
Black - Excitation
Green + Signal
White - Signal
Warranty: 2-year limited warranty

65016W ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	36295.....	\$595.00
1500 lb (680.4 kg)	36296.....	\$595.00
2000 lb (907.2 kg)	36297.....	\$595.00
2500 lb (1134.0 kg)	36298.....	\$595.00
5000 lb (2268.0 kg)	36299.....	\$595.00
10,000 lb (4535.9 kg)	36300.....	\$675.00
15,000 lb (6803.9 kg)	36301.....	\$675.00
20,000 lb (9071.9 kg)	36302.....	\$675.00
25,000 lb (11,339.8 kg)	36303.....	\$675.00
50,000 lb (22,679.6 kg)	36304.....	\$1,150.00
*75,000 lb (34,019.4 kg)	36305.....	\$1,150.00

* 75,000 lb capacity has a square center

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ... (see page 137)	RL75016 WHE
Vishay Celtron ... (see page 188)	DSR-HSS

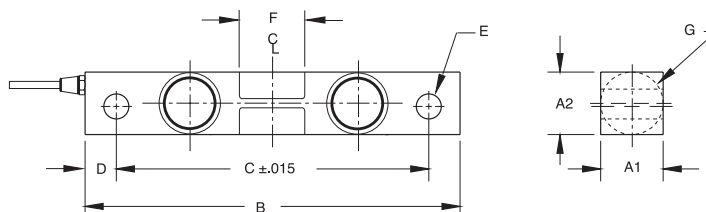
WEIGH MODULE AVAILABLE

Model	Page #
RL1600 Series	66



65016WH Double-Ended Beam, Stainless Steel

Hermetically-sealed, IP68



RATED CAPACITY	A1	A2	B	DIMENSIONS C	D	E	F	G	CONDUIT ADAPTER
lb/inches									
1000-5000	1.22	1.22	7.50	6.25	.62	.50	1.12	1.25	1/2-14 NPT
10,000-25,000	1.44	1.94	8.75	7.50	.62	.81	1.62	1.99	1/2-14 NPT
50,000-75,000	2.44	2.94	13.50	11.50	1.00	1.31	3.25	2.99	1/2-14 NPT
kg/mm									
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	
22,679.6-34,019.4	62.0	74.7	342.9	292.1	25.4	33.3	82.6	75.9	

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V nominal
Bridge Resistance:	700 ohms, nominal
Material/Finish:	Stainless steel
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C
Manufacturer	
Model Number:	65016W-XX-0104WH
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (25V maximum)
Nonlinearity:	0.03% Full scale

Hysteresis:	0.02% Full scale
Insulation Resistance:	5000 megohms
Seal Type:	Hermetically-sealed, IP68
Cable Length:	25'/7.6 m
Cable Color Code:	Red..... + Excitation Black..... - Excitation Green..... + Signal White..... - Signal
Warranty:	2-year limited warranty

65016WH ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	65827	\$675.00
1500 lb (680.4 kg)	65828	\$675.00
2000 lb (907.2 kg)	65829	\$675.00
2500 lb (1134.0 kg)	65830	\$675.00
5000 lb (2268.0 kg)	65831	\$675.00
10,000 lb (4535.9 kg)	65832	\$755.00
15,000 lb (6803.9 kg)	65833	\$755.00
20,000 lb (9071.9 kg)	65834	\$755.00
25,000 lb (11,339.8 kg)	65835	\$755.00
50,000 lb (22,679.6 kg)	65836	\$1,230.00
*75,000 lb (34,019.4 kg)	65837	\$1,230.00

* 75,000 lb capacity has a square center

INTERCHANGEABLE PRODUCTS

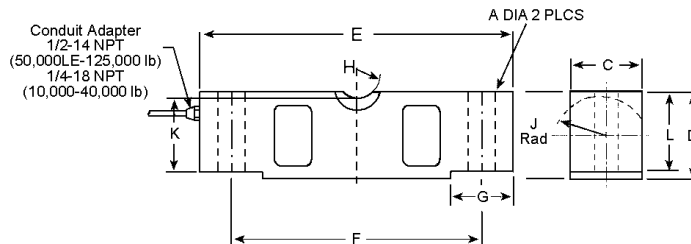
Manufacturer	Model
Rice Lake Weighing Systems	(see page 137) RL75016 WHE
Vishay Sensortronics	(see page 312) 65016W

WEIGH MODULE AVAILABLE

Model	Page #
RL1600 Series	66

65058 Double-Ended Beam, Alloy Steel

NTEP 1:6000/1:10,000 Class IIIL Multiple Cell, IP67



RATED CAPACITY

lb/inches

	A	C	D	E	F	G	H	J	K	L
10,000-25,000	.68	1.69	1.94	7.75	6.50	1.38	.75	.90	1.63	1.70
40,000-50,000 SE*	.81	1.94	2.44	10.25	8.50	1.93	1.00	1.12	2.00	2.10
50,000 LE-75,000	1.06	2.44	2.94	10.25	8.50	1.93	1.00	1.37	2.54	2.65
100,000-125,000	1.62	2.90	3.86	15.25	12.75	3.13	1.50	1.80	3.30	3.43

kg/mm

	A	C	D	E	F	G	H	J	K	L
4535.9-11,339.8	17.3	42.9	49.3	196.9	165.1	35.1	19.1	22.9	41.4	43.2
18,143.7-22,679.6 SE	20.6	49.3	62.0	260.4	215.9	49.0	25.4	28.5	50.8	53.3
22,679.6 LE-34,019.4	26.9	62.0	74.7	260.4	215.9	49.0	25.4	34.8	64.5	67.3
45,359.4-56,699.1	41.2	73.7	98.0	387.4	323.9	79.5	38.1	45.7	83.8	87.1

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V
Bridge Resistance:	700 ohms, nominal
Material/Finish:	High-alloy steel, nickel plated
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Manufacturer	
Model Number:	65058A-XX-6000 (1:6000) 65058A-XX-1000 (1:10,000)
Safe Overload:	150% Full scale
Rated Excitation:	10V DC (25V maximum)
Nonlinearity:	0.03% Full scale

Hysteresis:	0.02% Full scale
Insulation Resistance:	5000 megohms
Seal Type:	Environmentally-sealed, IP67
Cable Length:	35'/10.6 m
Cable Coloring:	Red + Excitation Black - Excitation Green + Signal White - Signal
Warranty:	2-year limited warranty

65058 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
NTEP 1:6000		
20,000 lb (9071.9 kg).....	21560	\$615.00
25,000 lb (11,339.8 kg).....	21561	\$615.00
40,000 lb (18,143.7 kg).....	21586	\$740.00
50,000 lb LE (22,679.6 kg).....	21562	\$815.00
60,000 lb (27,215.5 kg).....	21563	\$815.00
75,000 lb (34,019.4 kg).....	21564	\$815.00
100,000 lb (45,359.4 kg).....	21587	\$1,555.00
125,000 lb (56,699.1 kg).....	21588	\$1,555.00
NTEP 1:10,000		
20,000 lb (9071.9 kg).....	21592	\$635.00
25,000 lb (11,339.8 kg).....	21593	\$635.00
40,000 lb (18,143.7 kg).....	21608	\$760.00
*50,000 lb SE (22,679.6 kg).....	26081	\$845.00
50,000 lb LE (22,679.6 kg).....	21594	\$835.00
60,000 lb (27,215.5 kg).....	21595	\$835.00
75,000 lb (34,019.4 kg).....	21596	\$835.00
100,000 lb (45,359.4 kg).....	21609	\$1,575.00
125,000 lb (56,699.1 kg).....	21610	\$1,575.00
Non-NTEP		
10,000 lb (4535.9 kg).....	17287	\$615.00

65058A ORDER INFORMATION

Load Rating	Part #	Suggested List Price
60' Cable		
75000 lb (34,019.4 kg).....	39459	\$860.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 138) RL75058
Vishay Celtron	(see page 189) CLB

WEIGH MODULE AVAILABLE

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

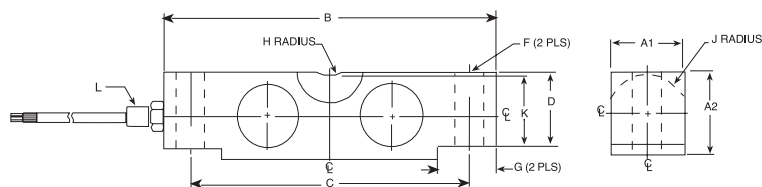
SE refers to small envelope
LE refers to large envelope

* Howe-Richardson LOAD STAR 65058A-50K-1127



65058 S Double-Ended Beam, Stainless Steel

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



RATED CAPACITY	A	A2	B	C	D	F	G	H	J	K	L
lb/inches											
20,000-25,000	1.69	1.94	7.75	6.50	1.70	.68	1.38	.75	.90	1.63	1/4-18NPT
35,000-75,000	2.44	2.94	10.25	8.50	2.65	1.06	1.93	1.00	1.37	2.54	1/2-14NPT
100,000	2.44	3.44	10.25	8.50	2.65	1.06	1.93	1.00	1.37	2.54	1/2-14NPT
kg/mm											
9072-11340	43.0	49.3	196.9	165.1	43.2	17.3	35.1	19.1	22.9	41.4	1/4-18NPT
15876-34020	62.0	74.7	260.4	216.0	67.3	27.0	49.0	25.4	34.8	64.5	1/2-14NPT
45360	62.0	87.4	260.4	216.0	67.3	27.0	49.0	25.4	34.8	64.5	1/2-14NPT

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
 Bridge Resistance: 700 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Manufacturer: Rice Lake Weighing Systems
 Model Number: 65058S-XX-1000W
 Safe Overload: 150% Full scale
 Rated Excitation: 10V DC (25V maximum)
 Nonlinearity: 0.03% Full scale

Hysteresis: 0.02% Full scale
 Insulation Resistance: 5000 megohms
 Seal Type: Welded-seal, IP67
 Cable Length: 35'/10.6 m
 Cable Coloring: Red + Excitation
 Black - Excitation
 Green + Output
 White - Output
 Warranty: 2-year limited warranty

65058 S ORDER INFORMATION

Load Rating	Part #	Suggested List Price
35 ft Cable		
20,000 lb (9,072 kg)	45475.....	\$765.00
25,000 lb (11,339.8 kg)	45476.....	\$765.00
40,000 lb (18,143.7 kg)	45477.....	\$915.00
50,000 lb (22,679.6 kg)	45478.....	\$995.00
60,000 lb (27,215.3 kg)	45479.....	\$995.00
75,000 lb (34,019.4 kg)	45480.....	\$995.00
100,000 lb (45,359.2 kg)	45481.....	\$1,890.00
125,000 lb (56,699.1 kg)	45482.....	\$1,890.00
200,000 lb (90,720 kg)	45483.....	\$3,780.00
60 ft Cable		
75,000 lb (34,019.4 kg)	48698.....	\$1,045.00

INTERCHANGEABLE PRODUCTS

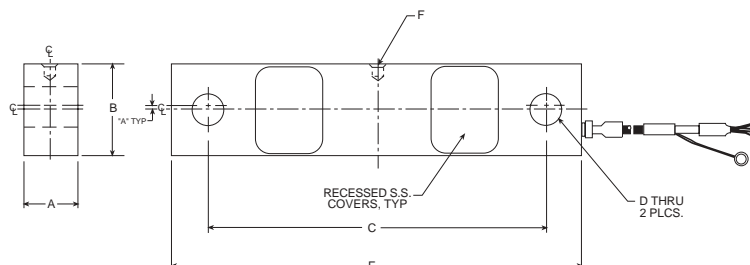
Manufacturer	Model
Rice Lake Weighing Systems	(see page 139) RL75060S

WEIGH MODULE AVAILABLE

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

65061A Double-Ended Beam, Alloy/Stainless Steel

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



RATED CAPACITY	DIMENSIONS					
	A	B	C	D	E	F
lb/inches						
40,000	1.94	2.44	8.75	.78	10.50	.257 x .375 DP
50,000	1.94	2.44	8.75	.78	10.50	.257 X .375 DP
kg/mm						
18,143.7	49.3	62.0	222.3	19.8	266.7	6.5 X 9.5 DP
22,679.6	49.3	62.0	222.3	19.8	266.7	6.5 X 9.5 DP

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V	Hysteresis:	0.02% Full scale
Bridge Resistance:	700 ohms, nominal	Insulation Resistance:	5000 ohms
Material/Finish:	High-alloy steel, nickel plated (40,000 lb) Stainless (50,000 lb)	Seal Type:	Environmentally-sealed (40,000 lb) Welded-seal, IP67 (50,000 lb)
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Length:	60'/18.2 m, copper overbraid
Manufacturer		Cable Coloring:	Red + Excitation Black..... - Excitation Green + Signal White - Signal
Model Number:	65061A-XX-1108 65061S-50k-1107 stainless	Warranty:	2-year limited warranty
Safe Overload:	150% Full scale		
Rated Excitation:	10V DC (25V maximum)		
Nonlinearity:	0.03% Full scale		

65061A ORDER INFORMATION

Load Rating	Part #	Suggested List Price
40,000 lb (18,143.7 kg)	47850	\$1,330.00
50,000 lb (22,679.6 kg)	67387	\$1,330.00
Mounting Assembly Accessories*		
Load Button	25524	\$37.00
Load Pin	50807	\$69.00
Bearing Screw	44837	\$99.00
Bushing	50748	\$29.00
Load Cell Stand	50767	\$192.00
Support Pin	50747	\$26.00
Washer	10816	\$2.30
Cotter Pin	15244	\$1.00

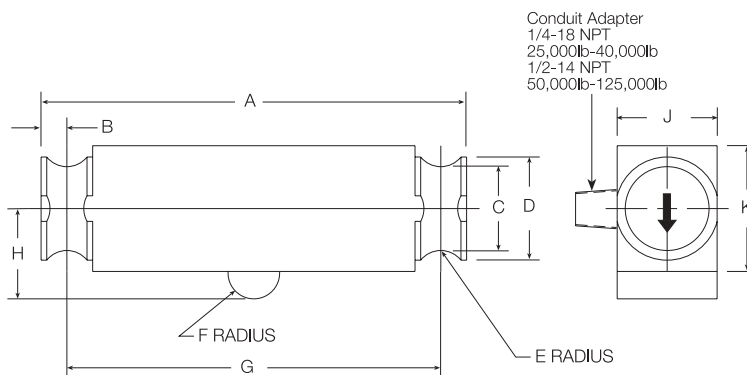
* See Rice Lake Weighing Systems Mechanical Scale Parts catalog for parts diagram

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Fairbanks®	Rodan 90814-40K
Fairbanks®	Rodan 91088-50K



65040A Double-Ended Beam, Alloy Steel NTEP 1:6000/1:10,000 Class IIIL Multiple Cell, IP67



RATED CAPACITY	A	B	C	D	E	F	G	H	J	K
lb/inches										
25,000-50,000 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										
11,339.8-22,679.6 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

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
Manufacturer	
Model Number:	65040A-XX-6000 (1:6000) 65040A-XX-1000 (1:10,000)
Safe Overload:	150% Full scale
Rated Excitation:	10V DC (25V maximum)

Nonlinearity:	0.03% Full scale
Hysteresis:	0.02% Full scale
Insulation Resistance:	5000 megohms
Seal Type:	Environmentally-sealed, IP67
Cable Length:	35'/10.6 m
Cable Coloring:	Red + Excitation Black - Excitation Green + Signal White - Signal
Warranty:	2-year limited warranty

65040A ORDER INFORMATION

Load Rating	Part #	Suggested List Price
NTEP 1:6000		
25,000 lb (11,339.8 kg)	21576.....	\$615.00
40,000 lb (18,143.7 kg)	21577.....	\$740.00
50,000 lb (22,679.6 kg)	21578.....	\$815.00
60,000 lb (27,215.3 kg)	21579.....	\$815.00
75,000 lb (34,019.4 kg)	21580.....	\$815.00
100,000 lb (45,359.2 kg)	21581.....	\$1,555.00
125,000 lb (56,699.1 kg)	21582.....	\$1,555.00

NTEP 1:10,000		
25,000 lb (11,339.8 kg)	21598.....	\$635.00
40,000 lb (18,143.7 kg)	21599.....	\$760.00
*50,000 lb SE (22,679.6 kg)	66080.....	\$760.00
**50,000 lb SE (22,679.6 kg)	69562.....	\$760.00
50,000 lb (22,679.6 kg)	21600.....	\$835.00
60,000 lb (27,215.3 kg)	21601.....	\$835.00
75,000 lb (34,019.4 kg)	21602.....	\$835.00
100,000 lb (45,359.2 kg)	21603.....	\$1,575.00
125,000 lb (56,699.1 kg)	21604.....	\$1,575.00

* Active, 1/2 ear version ** Durline, full ear version

SE refers to small envelope

INTERCHANGEABLE PRODUCTS

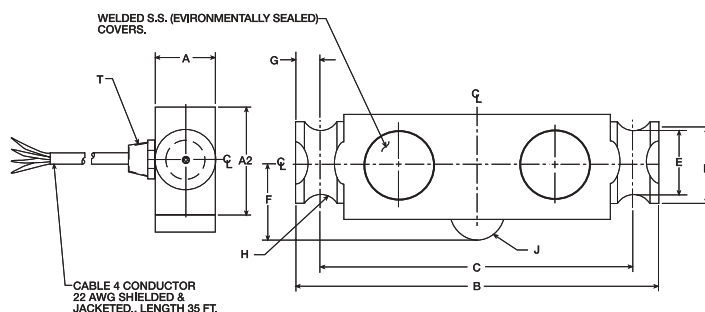
Manufacturer	Model
Rice Lake Weighing Systems	(see page 141) RL75040
Thurman®	TSC 840
Vishay Celtron	(see page 191) DLB

WEIGH MODULE AVAILABLE

Model	Page #
Translink™	78

65040 S Double-Ended Beam, Stainless Steel

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



RATED CAPACITY	A	A2	B	C	D	E	F	G	H	J	T
lb/inches											
25,000-40,000	1.94	2.44	8.25	7.25	2.00	1.63	1.75	.50	.50	.50	1/4-18 NPT
50,000-75,000	1.94	2.94	11.50	10.00	2.20	1.70	2.00	.75	.75	1.00	1/4-18 NPT
100,000-125,000	2.90	3.86	14.50	12.50	3.20	2.44	2.75	1.00	1.00	1.50	1/2-18 NPT
kg/mm											
11,340-18,144	49.2	62.0	209.6	184.2	50.8	41.4	44.5	12.7	12.7	12.7	1/4-18 NPT
22,680-34,020	49.2	74.7	292.1	254.0	55.9	43.2	50.8	19.1	19.1	25.4	1/4-18 NPT
45,359.4-56,699.1	73.7	98.0	368.3	317.5	81.3	62.0	69.9	25.4	25.4	38.1	1/2-18 NPT

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
 Bridge Resistance: 700 ohms, nominal
 Material/Finish: Stainless steel
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
 Manufacturer: 65040S-XX-1000W
 Model Number:
 Safe Overload: 150% Full scale
 Rated Excitation: 10V DC (25V maximum)
 Nonlinearity: 0.03% Full scale

Hysteresis: 0.02% Full scale
 Insulation Resistance: 5000 megohms
 Seal Type: Welded-seal, IP67
 Cable Length: 35'/10.6 m
 Cable Coloring: Red + Excitation
 Black - Excitation
 Green + Signal
 White - Signal
 Warranty: 2-year limited warranty

65040 S ORDER INFORMATION

Load Rating	Part #	Suggested List Price
25,000 lb (11,339.8 kg).....	45467	\$765.00
40,000 lb (18,143.7 kg).....	45468	\$915.00
50,000 lb (22,679.6 kg).....	45469	\$995.00
60,000 lb (27,215.5 kg).....	45470	\$995.00
75,000 lb (34,019.4 kg).....	45471	\$995.00
100,000 lb (45,359.4 kg).....	45472	\$1,890.00
125,000 lb (56,699.1 kg).....	45473	\$1,890.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 141) RL75040
Vishay Sensortronics	(see page 317) 65040A

S-Beams



620, Stainless Steel..... Page 324

Ideally suited for harsh environments, lever conversions, hopper/tanks and vibratory feeders, general purpose weighing and force measurement applications. The stainless steel, welded cavity design provides protection against water and corrosive materials. Capacities from 500 to 5000 kg (1102.3 to 11,023.1 lb). Complete with 5 m/16.4' of load cell cable.



Available upon request

Single-Ended Beams



3411/3421, Alloy Steel and Stainless steel Page 325

This family of high quality single-ended beams is available in both alloy and stainless steel with NTEP approval. These products are ideal for low profile platforms, pallet truck weighers, tanks and silos. The durable stainless steel product offering is new, and provides a solid choice for more severe weighing applications. Both versions are available in capacities ranging from 1,000 to 10,000 lb. (453.6 to 4535.9 kg). A standard 10'3 m cable is provided.



Available upon request



3510-lbs, Stainless Steel..... Page 326

Low profile and all-welded sealing combined with high accuracy makes the 3510 ideally suited for low-profile platforms, weigh modules, tanks and silos. Hermetic sealing and polyurethane shielded cable enable it to function in harsh environments while maintaining its operating specifications. Capacities from 1000 to 4000 lb (453.6 to 1814.4 kg).



3510-kg, Stainless Steel Page 327

The industry's only 6000 division OIML-approved single-ended beam. Low profile and all-welded sealing combined with high accuracy makes the 3510 ideally suited for low-profile platforms, weigh modules, tanks and silos. Hermetic sealing and polyurethane shielded cable enable it to function in harsh environments while maintaining its operating specifications. Capacities from 500 to 5000 kg (1102.3 to 11,023.1 lb).



355, Stainless Steel..... Page 328

Welded stainless steel construction, welded sealing and polyurethane shielded cable enables the 355 to function in harsh environments while maintaining its operating specifications. Suitable for low-profile platforms, weighing and packing machines, electromechanical conversions and general-purpose weighing applications. Capacities from 5 to 500 kg (11.0 to 1102.3 lb).



Available upon request

Single Points

1022, Aluminum..... Page 329



Very low-profile single-point load cell designed for direct mounting in low-cost platforms. Anodized aluminum construction is combined with two-beam machined technology to provide an affordable load cell option. Capacities from 3 to 35 kg (6.6 to 77.1 lb). Complete with 500 mm (19.7") of load cell cable.



Available upon request

1010, Aluminum, Potted/Unpotted..... Page 330



Off-center loading load cell designed for direct mounting of a weighing platform and simplifying construction of platform scales. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments. Capacities from 3 to 90 kg (6.6 to 196.4 lb).



1030, Aluminum..... Page 331



This high-performance product is the standard in many of today's postal or price computing scales. This very low profile three-beam designed single point is insensitive to off-center loads, which is a critical element in providing accurate results. The 1030 is also coated with a unique humidity-resistant protective coating to assure long-term stability in harsh environments and extreme temperatures. This model is available in capacities ranging from 3 to 15 kg (6.6 to 33.1 lb), and comes standard with a 1 m/3.3' cable.



1042, Aluminum..... Page 332



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



Available upon request

Single Points (Continued)



1042S, Aluminum Page 333

A lower-profile single-point load cell for platform weighing, this two beam, aluminum constructed design offers high immunity to side forces and is coated to provide humidity resistance. NTEP certified to 7500 divisions. Capacities from 10 to 100 kg (22.0 to 220.5 lb). Complete with 3.1 m/10' of load cell cable.



NEW!



1040, Aluminum, Potted/Unpotted..... Page 334

Low-profile, off-center loading load cell. Designed for direct mounting of weighing platforms, hanging scales and other low-capacity beam applications. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments. Capacities from 5 to 100 kg (11.0 to 220.5 lb).



Available upon request



1130, Stainless Steel..... Page 335

The Vishay Tedea-Huntleigh 1130 is a stainless steel single point load cell that is designed for high performance in harsh environments. This product is primarily designed for platform weighing, but is cost-effective to make it an appropriate selection for numerous applications. Capacities range from 7 to 100 kg (15.4 to 220.5lb), and each unit is provided complete with 3.3'/1 m of load cell cable.



1140, Stainless Steel, Potted..... Page 336

Low-profile, off-center loading load cell designed for direct mounting of weighing platforms, hanging scales and other low-capacity beam applications. Stainless steel construction and a unique humidity-resistant protective coating provide long-term stability, even in harsh environments. Load cells with potted cavities are available for improved performance in damp environments. Capacities from 15 to 150 kg (33.1 to 330.7 lb).



Single Points (Continued)

1240, Stainless Steel..... Page 337



The 1240 is a low-profile single point that is compact in design, considering the 200 and 250 kg (440.9 and 551.2 lb) capacity range. This cell is ideally suited for applications in light industrial or people weighing where overall deck height is a concern. The three-beam design makes the load cell less likely to be impacted by side forces and mounting imperfections. It features stainless steel construction and humidity-resistant coating for use in harsh environments with extreme temperatures. Each unit is provided with a standard 1 m/3.3' cable.



1241, Aluminum..... Page 338



The 1241 combines a low profile, 3-beam off-center design for direct mounting to weighing platforms, hanging scales, and other eccentric loading applications. The load cell features four mounting holes instead of the traditional two, to provide additional loading stability. The 1241 is constructed of aluminum, and sealed using a unique humidity-resistant protective coating to assure durability and long life.



1260, Aluminum..... Page 339



High-capacity, off-center loading aluminum single-point. This model is of the two-beam design, and is specially coated to assure durability in harsh environments. Capacities from 50 to 635 kg (110.2 to 1399.9 lb). Complete with 3.1 m/10' of load cell cable.



Available upon request

1260S, Aluminum Page 340



This single-point, off-center loading, aluminum load cell is designed for high-capacity applications and harsh environments. NTEP certified to 10,000 divisions. Capacities from 75 to 635 kg (165.4 to 1399.9 lb). Complete with 3.1 m/10' of load cell cable.



NEW!



1250, Aluminum, Potted..... Page 341



High-capacity off-center loading load cell accurately weighs loads from 50 to 1000 kg (110.2 to 2205.0 lb). Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments.



Available upon request

Single Points (Continued)



1320, Aluminum Page 342

Model 1320 is a high-capacity single-point load cell. Direct mounting of low-profile platforms simplifies the construction of floor scales, weigh bars, hanging scales and other types of weighing devices. Individually adjusted to eliminate corner errors. Capacities from 1000 to 2000 kg (2204.6 to 4409.2 lb).



Available upon request



1510, Stainless Steel Page 343

The 1510 is a stainless steel welded-seal cell ideally suited for washdown applications. Capacities from 100 kg to 500 kg.



240, Alloy Steel/Stainless Steel, Fluid Damped Page 344

These load cells decrease weighing time and improve weighing accuracy in high-speed weighing applications. Since damping also protects the cells from shock and vibration, the load cell can endure harsh conditions, such as those encountered in repeated shock-loading applications. This also enables damped load cells to last longer than undamped load cells in any application. The cells are sealed, protecting them in washdown situations. Capacities from 2 to 50 kg (4.4 to 110.2 lb).



Available upon request



9010, Aluminum, Fluid Damped Page 345

Model 9010 is a self-contained weighing module for use in repeated shock-loading applications, or where fast weighing and settling times are required. Each is custom manufactured per specific application requirements. Capacities from 3 to 50 kg (5.5 to 110.2 lb). See page 352 for Model 9010 Application Definition Form.

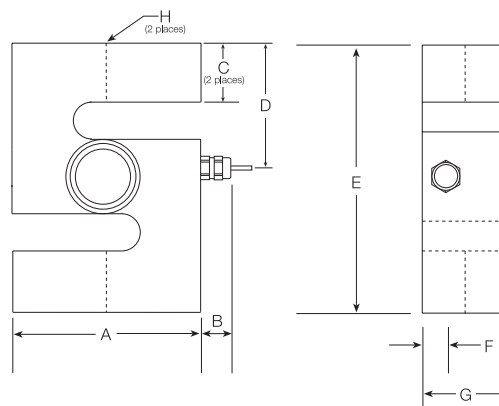


620 S-Beam, Stainless Steel

Welded-seal, IP68, NTEP 1:3000 Single Cell, 1:5000 Multiple Cell, Class III



Available upon request



RATED CAPACITY	DIMENSIONS							
	A	B	C	D	E	F	G	H*
kg/mm								
500-1000	73.2	18.8	19.8	47.0	94.0	10.9	33.5	1/2-20 UNF
2000	73.2	18.8	19.8	47.0	94.0	10.9	33.5	3/4-16 UNF
5000	104.6	18.8	27.2	62.7	125.5	14.5	47.2	1-12 UNF
lb/inches								
1102.3-2204.6	2.88	.74	.78	1.85	3.70	.43	1.32	1/2-20 UNF
4409.2	2.88	.74	.78	1.85	3.70	.43	1.32	3/4-16 UNF
11,023.1	4.12	.74	1.07	2.47	4.94	.57	1.86	1-12 UNF

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C
Manufacturer
Model Number: 0620-XXXX001
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Total Error: 0.02% Full scale

Insulation Resistance: 1000 megohms
Seal Type: Welded-seal, IP68
Cable Length: 5 m/16.4'
Cable Color Code: Blue + Excitation
 Black - Excitation
 Green + Sense
 Gray - Sense
 White + Signal
 Red - Signal
Warranty: 2-year limited warranty

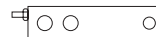
620 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
500 kg (1102.3 lb)	36389.....	\$650.00
1000 kg (2204.6 lb)	36390.....	\$650.00
2000 kg (4409.2 lb)	36391.....	\$650.00
5000 kg (11,023.1 lb)	36392.....	\$815.00

* Metric threads available

WEIGH MODULE AVAILABLE

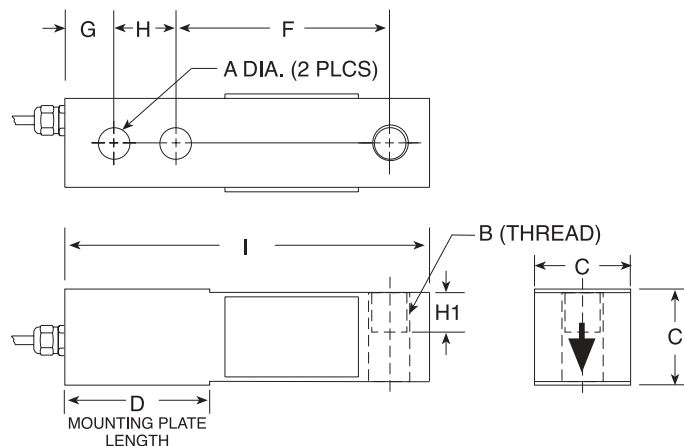
Model	Page #
ITCM Isolated Tension Cell Mount	354



3411/3421 Single-Ended Beam, Alloy & Stainless Steel NTEP 1:3000 Single Cell, 1:5000, Multiple Cell, Class III, IP67



Available upon request



RATED CAPACITY	A	B	C	D	F	G	H	H1	I
lb/inches									
1000-4000	.53	1/2-20 UNF	1.24	2.25	3.00	.63	1.00	.60	5.12
5000-10,000	.78	3/4-16 UNF-2B	1.49	3.00	3.75	.75	1.50	.75	6.75
kg/mm									
453.6-1814.4	13.5	1/2-20 UNF	30.5	33.9	76.2	16.0	25.4	15.2	130.0
2268.0-4535.9	19.8	3/4-16 UNF-2B	37.8	76.2	95.3	19.1	35.6	19.1	171.5

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	High-alloy steel, nickel plated
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Manufacturer	
Model Number:	3411-XXXX001 (Alloy, 5k-10k lbs) 3421-XXXX051 (Stainless Steel, 5k-10k lbs)
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (15V maximum)
Total Error:	0.03% Full scale

Insulation Resistance:	5000 megohms
Deflection at Capacity:	1000-10,000 lb = .015"/.4 mm
Seal Type:	Environmentally-sealed, IP67
Cable Length:	10'/3.1 m
Cable Color Code:	Red..... + Excitation Black..... - Excitation Blue..... + Sense Brown..... - Sense Green..... + Signal White..... - Signal
Warranty:	2-year limited warranty

3411/3421 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Alloy Steel		
1000 lb (453.6 kg)	29903	\$295.00
2500 lb (1134.0 kg)	29904	\$295.00
4000 lb (1814.4 kg)	29905	\$295.00
5000 lb (2268.0 kg)	29906	\$375.00
10,000 lb (4535.9 kg)	29907	\$375.00
Stainless Steel		
1000 lb (453.6 kg)	47871	\$350.00
2500 lb (1134.0 kg)	47872	\$350.00
4000 lb (1814.4 kg)	47873	\$350.00
5000 lb (2268.0 kg)	47874	\$420.00
10,000 lb (4535.9 kg)	47875	\$445.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 104) RL30000
Revere Transducers	(see page 254) 5123
Rice Lake Weighing Systems	(see page 106) RL39123*
Revere Transducers	(see page 255) 9123*

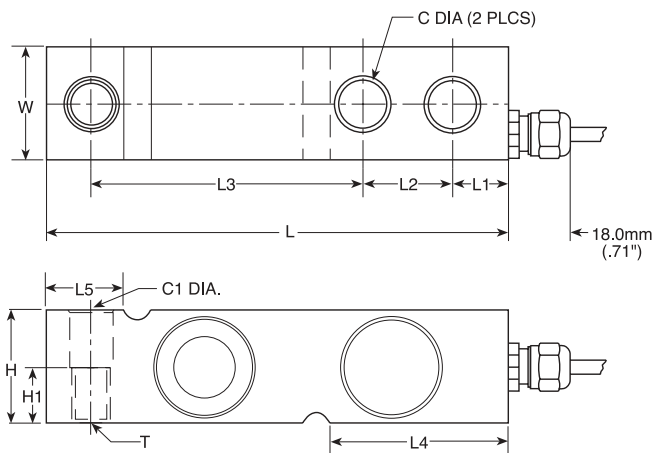
WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	30
RL1800 Series	40

* Stainless steel

3510-lbs Single-Ended Beam, Stainless Steel

Welded-seal*, IP68, NTEP 1:3000 Single Cell, 1:5000 Multiple Cell, Class III



RATED CAPACITY	DIMENSIONS												
	C	C1	H	H1	L	L1	L2	L3	L4	L5	T	W	
lbs/inches													
1000-4000	.53	.53	1.26	.63	5.12	.62	1.00	3.00	1.97	.91	1/2-20UNF-2B	1.26	
kg/mm													
453.6-1814.4	13.5	13.5	32.0	16.0	130.0	15.8	25.4	76.2	50.0	23.1	1/2-20UNF-2B	32.0	

SPECIFICATIONS:

Full Scale Output:	3.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Stainless steel
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Manufacturer	
Model Number:	3510-XXXX101
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (15V maximum)
Total Error:	0.02% Applied load

Insulation Resistance:	1000 megohms
Deflection at Capacity:	1000-4000 lb ≤ .4mm/.015"
Seal Type:	Welded-seal*, IP68
Cable Length:	5 m/16.4'
Cable Color Code:	Red..... + Excitation Black..... - Excitation Blue..... + Sense Brown..... - Sense Green..... + Signal White..... - Signal
Warranty:	2-year limited warranty

3510-lbs ORDER INFORMATION

Load Rating	Part #	Suggested List Price
1000 lb (453.6 kg)	36458.....	\$485.00
1500 lb (680.4 kg)	36459.....	\$485.00
2500 lb (1134.0 kg)	36460.....	\$485.00
4000 lb (1814.4 kg)	36461.....	\$485.00

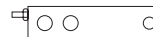
* Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry

INTERCHANGEABLE PRODUCTS

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

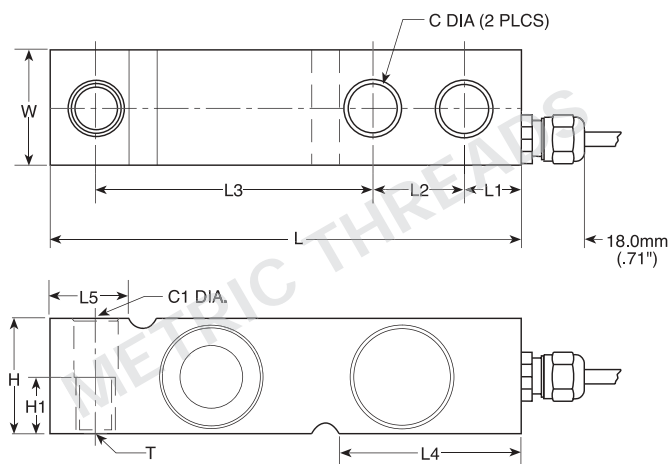
WEIGH MODULE AVAILABLE

Model	Page #
1700HE	14



3510-kg Single-Ended Beam, Stainless Steel

Welded-seal, IP68, OIML C6/C3



RATED CAPACITY	DIMENSIONS											
	C	C1	H	H1	L	L1	L2	L3	L4	L5	T	W
kg/mm												
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
lb/inches												
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
Manufacturer	
Model Number:	3510-XXXX101
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (15V maximum)
Total Error:	0.02% Applied load

Insulation Resistance:	1000 megohms
Deflection at Capacity:	500-5000 kg ≤ .4mm/.015"
Seal Type:	Welded-seal*, IP68
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

3510-kg ORDER INFORMATION

Load Rating	Part #	Suggested List Price
C6 500 kg (1102.3 lb)	30161	\$485.00
C6 1000 kg (2204.6 lb)	30162	\$485.00
C3 2000 kg (4409.2 lb)	30163	\$485.00
C3 5000 kg (11,023.1 lb)	30164	\$555.00

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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 116) RLHTO

WEIGH MODULE AVAILABLE

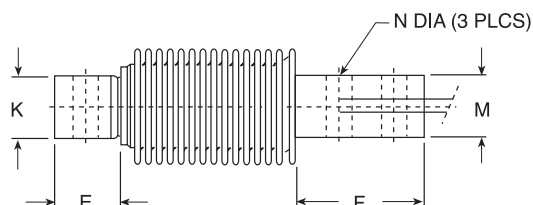
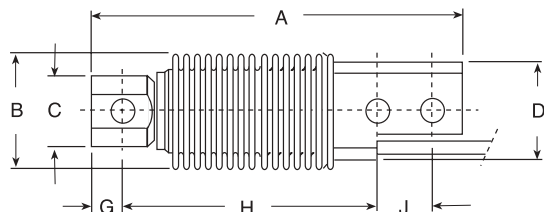
Model	Page #
1700HE	14

355 Single-Ended Beam, Stainless Steel

Welded-seal, IP68, NTEP 1:4000 Single Cell, 1:5000, Multiple Cell, Class III



Available upon request



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
Manufacturer	
Model Number:	0355-XXXX001
Safe Overload:	150% Full scale
Rated Excitation:	10V AC/DC (15V maximum)
Total Error:	0.02% Full scale

Insulation Resistance:	1000 megohms
Deflection at Capacity:	5-250 kg ≤ .4 mm/.015"
Seal Type:	Welded-seal, 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

355 ORDER INFORMATION

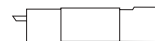
Load Rating	Part #	Suggested List Price
5 kg (11.0 lb)	30165.....	\$525.00
10 kg (22.0 lb)	30166.....	\$525.00
20 kg (44.1 lb)	30167.....	\$525.00
50 kg (110.2 lb)	30168.....	\$525.00
100 kg (220.5 lb)	30169.....	\$525.00
200 kg (440.9 lb)	30170.....	\$525.00
250 kg (551.2 lb)	30171.....	\$525.00
500 kg (1102.3 lb)	36463.....	\$525.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems.....	(see page 125) RLHBB
Revere Transducers.....	(see page 260) SHB
Vishay Celtron	(see page 185) HBB
HBM	(see page 230) Z6

WEIGH MODULE AVAILABLE

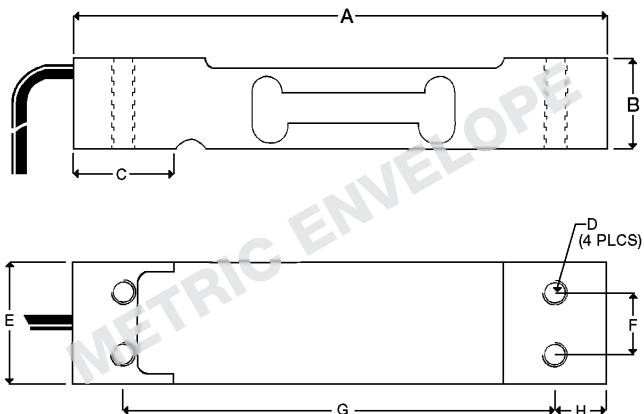
Model	Page #
1700HE	14



1022 Single Point, Aluminum NTEP 1:5000 Class III Single Cell



Available upon request



RATED CAPACITY

DIMENSIONS

	A	B	C	D	E	F	G	H
kg/mm								
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
lb/inches								
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 ohms, nominal
Material/Finish: Anodized aluminum
Temperature: Compensated temperature range
 14°F to 104°F/-10°C to 40°C
Manufacturer
Model Number: 1022-XXXX001
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Total Error: 0.02% Full scale

Insulation Resistance: 2000 megohms
Seal Type: Environmentally-sealed
Cable Length: 0.5 m/1.5'
Cable Color Code: Green + Excitation
 Black - Excitation
 Red + Signal
 White - Signal
Warranty: 2-year limited warranty

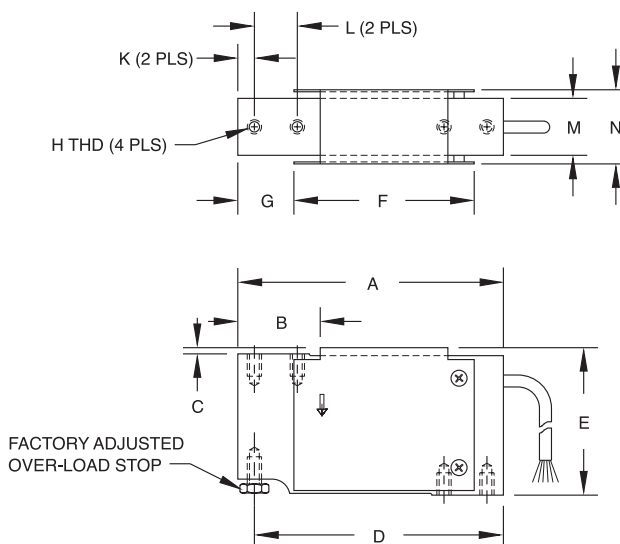
1022 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
3 kg (6.6 lb)	41135.....	\$165.00
5 kg (11.0 lb)	41136.....	\$165.00
7 kg (15.4 lb)	41137.....	\$165.00
10 kg (22.0 lb)	41138.....	\$165.00
15 kg (33.1 lb)	41139.....	\$165.00
20 kg (44.1 lb)	41140.....	\$165.00
30 kg (66.1 lb)	41141.....	\$165.00
35 kg (77.2 lb)	41142.....	\$165.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems.....	(see page 146) RL1521A
Vishay Celtron	(see page 192) LPS
Vishay BLH.....	C2G1
NMB®	C2G1

1010 Potted & Unpotted Single Point, Aluminum NTEP 1:5000 Class III Single Cell



RATED CAPACITY	DIMENSIONS											
	A	B	C	D	E	F	G	H	K	L	M	N
kg/mm												
3-90	118.0	34.0	3.0	110.5	66.0	80.0	25.0	1/4-20 UNC X 13 DP	7.5	19.05	25.4	33.5
lb/inches												
6.6-198.4	4.65	1.34	.12	4.35	2.60	3.15	.98	1/4-20 UNC X 0.5 DP	.30	.75	1.00	1.32

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Aluminum
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Manufacturer	
Model Number:	1010-XXXX001 (NTEP) 1010-XXXX201 (Non-NTEP)
Safe Overload:	200% at center of loading point, full scale
Rated Excitation:	10V AC/DC (20V maximum)
Total Error:	0.02% Full scale
Insulation Resistance:	5000 megohms

Deflection at Capacity:	3-90 kg ≤ .4 mm/.015"
Seal Type:	Potted & Unpotted Models
Cable Length:	3.1 m/10'
Cable Color Code:	Green..... + Excitation Black..... - Excitation Blue..... + Sense Brown..... - Sense Red..... + Signal White..... - Signal
Warranty:	2-year limited warranty

1010 POTTED ORDER INFORMATION

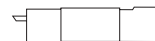
Load Rating	Part #	Suggested List Price
Potted, NTEP 1:5000		
10 kg (22.1 lb).....	33727	\$195.00
15 kg (33.1 lb).....	33728	\$195.00
20 kg (44.1 lb).....	33729	\$195.00
30 kg (66.1 lb).....	33730	\$195.00
50 kg (110.2 lb).....	33731	\$195.00
Potted, Non-NTEP		
3 kg (6.6 lb).....	17481	\$195.00
5 kg (11.0 lb).....	17462	\$195.00
7 kg (15.4 lb).....	17463	\$195.00
10 kg (22.1 lb).....	17464	\$195.00
15 kg (33.1 lb).....	17465	\$195.00
20 kg (44.1 lb).....	17482	\$195.00
30 kg (66.1 lb).....	17475	\$195.00
50 kg (110.2 lb).....	17476	\$195.00
90 kg (198.4 lb).....	17471	\$195.00

1010 UNPOTTED ORDER INFORMATION

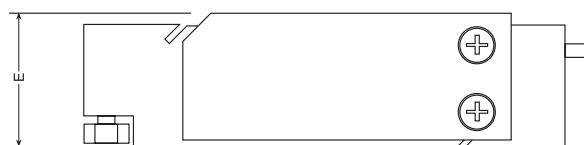
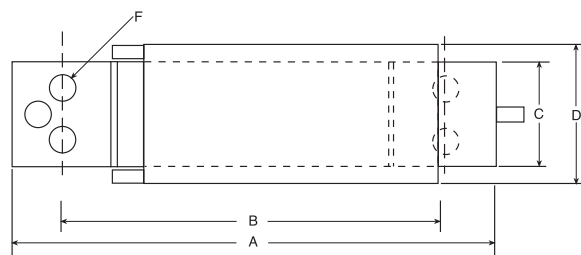
Load Rating	Part #	Suggested List Price
Unpotted, NTEP 1:5000		
5 kg (11.0 lb).....	33732	\$180.00
7 kg (15.4 lb).....	33733	\$180.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 147) RL1010
HBM	(see page 241) SP10



1030 Single Point, Aluminum OIML C2.5



RATED CAPACITY

kg/mm

3-15

A

117.9

B

93.7

DIMENSIONS

C

25.4

D

33.3

E

32.5

F

1/4-20 UNC X 10 DP

lb/inches

6.6-33.1

4.64

3.69

1.00

1.31

1.28

1/4-20 UNC X 0.39 DP

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: Anodized aluminum
 Temperature: Compensated range
 0°F to 150°F/-18°C to 65°C
 Manufacturer Model Number: 1030-XXXX101
 Safe Overload: 150% Full scale
 Rated Excitation: 10V DC/AC (20V maximum)
 Total Error: 0.02%

Insulation Resistance: 5000 megohms
 Deflection at Capacity: 3-15 kg = .015"/.4 mm
 Seal Type: Environmentally-sealed
 Cable Length: 1 m/3.3'
 Cable Color Code: Green..... + Excitation
 Black..... - Excitation
 Blue..... + Sense
 Brown..... - Sense
 Red..... + Signal
 White..... - Signal
 Warranty: 1-year limited warranty

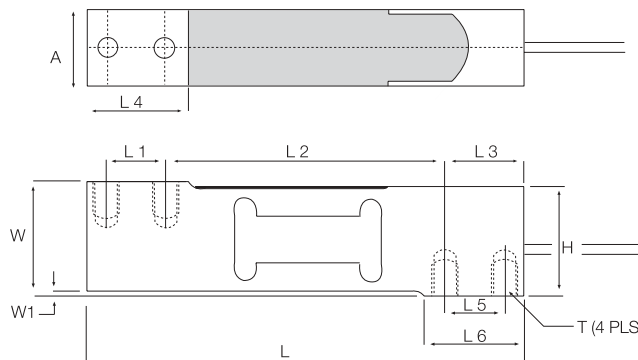
1030 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
3 kg (6.6 lb)	47882.....	\$265.00
5 kg (11.0 lb)	47883.....	\$265.00
7 kg (15.4 lb)	47884.....	\$265.00
10 kg (22.1 lb)	47885.....	\$265.00
15 kg (33.1 lb)	47886.....	\$265.00

1042 Single Point, Aluminum NTEP 1:5000 Class III Single Cell



Available upon request



RATED CAPACITY	DIMENSIONS											
	A	H	L	L1	L2	L3	L4	L5	L6	W	W1	T
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
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Aluminum
Temperature:	Compensated temperature range 14°F to 104°F/-10°C to 40°C
Manufacturer	
Model Number:	1042-XXXX001
Safe Overload:	150% Full scale
Rated Excitation:	10V DC (15V maximum)
Total Error:	0.02% Full scale

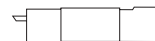
Deflection at Capacity:	1-100kg ≤ .4 mm/.015"
Insulation Resistance:	5000 megohms
Seal Type:	Environmentally-sealed
Cable Length:	3.1 m/10'
Cable Color Code:	Green..... + Excitation Black..... - Excitation Blue..... + Sense Brown..... - Sense Red..... + Signal White..... - Signal
Warranty:	2-year limited warranty

1042 ORDER INFORMATION

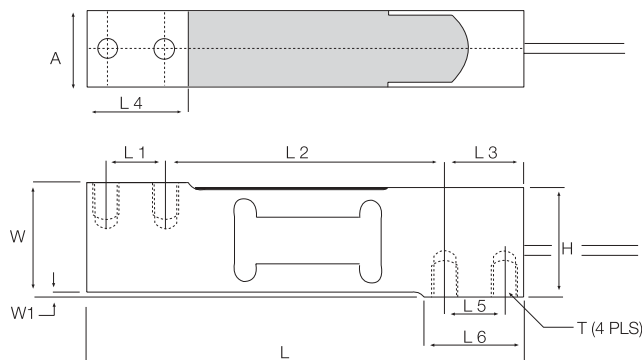
Load Rating	Part #	Suggested List Price
1 kg (2.2 lb)	40680	\$180.00
3 kg (6.6 lb)	40681	\$180.00
5 kg (11.0 lb)	40682	\$180.00
10 kg (22.0 lb)	40683	\$180.00
15 kg (33.1 lb)	40684	\$180.00
20 kg (44.1 lb)	40685	\$180.00
30 kg (66.1 lb)	40686	\$180.00
50 kg (110.2 lb)	40687	\$180.00
75 kg (165.4 lb)	40688	\$180.00
100 kg (220.5 lb)	40689	\$180.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 149) RL1042



1042S Single Point, Aluminum NTEP 1:7500 Class III Single Cell



RATED CAPACITY	DIMENSIONS											
	A	H	L	L1	L2	L3	L4	L5	L6	W	W1	T
kg/mm												
10-30	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												
22.0-66.1	.787	1.496	5.91	.75	3.937	.984	1.339	.75	1.339	1.575	.040	1/4-20 UNC-2B
110.2-220.5	.992	1.496	5.91	.75	3.937	.984	1.339	.75	1.339	1.575	.040	1/4-20 UNC-2B

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Aluminum
Temperature:	Compensated temperature range 14°F to 104°F/-10°C to 40°C
Manufacturer	
Model Number:	1042-XXXX001
Safe Overload:	150% Full scale
Rated Excitation:	10V DC (15V maximum)
Total Error:	0.02% Full scale

Deflection at Capacity:	1-100kg ≤ .4 mm/.015"
Insulation Resistance:	5000 megohms
Seal Type:	Environmentally-sealed
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

1042S ORDER INFORMATION

Load Rating	Part #	Suggested List Price
10 kg (22.0 lb)	76425	\$195.00
15 kg (33.1 lb)	76426	\$195.00
20 kg (44.1 lb)	76427	\$195.00
30 kg (66.1 lb)	76428	\$195.00
50 kg (110.2 lb)	76429	\$195.00
75 kg (165.4 lb)	76430	\$195.00
100 kg (220.5 lb)	76431	\$195.00

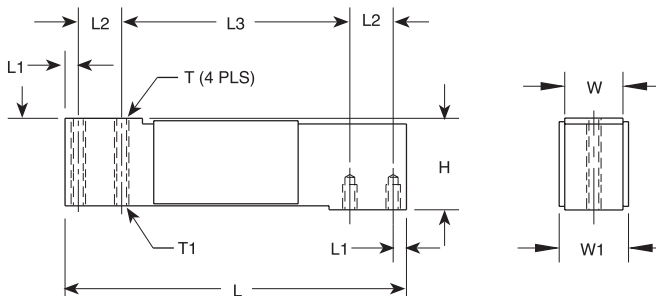
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 149) RL1042

1040 Potted & Unpotted Single Point, Aluminum NTEP 1:5000 Class III Single Cell



Available upon request



RATED CAPACITY	H	L	L1	L2	DIMENSIONS L3	T	T1	W	W1
kg/mm									
5-100	40.0	150.0	5.95	19.05	100.0	1/4-20 UNC X 10 DP	1/4-28 UNF X 10 DP	25.4	29.4
lb/inches									
11.0-220.5	1.57	5.91	.23	.75	3.94	1/4-20 UNC X 0.39 DP	1/4-28 UNF X 0.39 DP	1.00	1.16

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Anodized aluminum
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Manufacturer Model Number:	1040-XXXX001 (NTEP) 1040-XXXX201 (Non-NTEP)
Safe Overload:	200% at center loading point, full scale
Rated Excitation:	10V AC/DC (15V maximum)
Total Error:	0.02% Full scale

Insulation Resistance:	5000 megohms
Deflection at Capacity:	5-100 kg \leq .4 mm/.015"
Seal Type:	Potted & Unpotted Models
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

1040 POTTED ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Potted, NTEP 1:5000		
10 kg (22.1 lb)	33719	\$195.00
15 kg (33.1 lb)	33720	\$195.00
20 kg (44.1 lb)	33721	\$195.00
30 kg (66.1 lb)	33722	\$195.00
50 kg (110.2 lb)	33723	\$195.00
100 kg (220.5 lb)	33724	\$195.00

Potted, Non-NTEP		
5 kg (11.0 lb)	17449	\$190.00
7 kg (15.4 lb)	17483	\$190.00

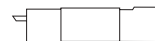
Consult factory for matched-output cells

1040 UNPOTTED ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Unpotted, NTEP 1:5000		
5 kg (11.0 lb)	33725	\$205.00
7 kg (15.4 lb)	33726	\$205.00

INTERCHANGEABLE PRODUCTS

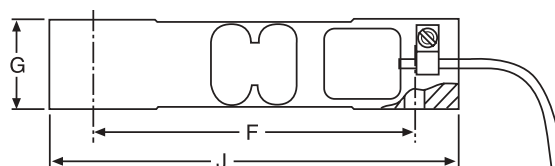
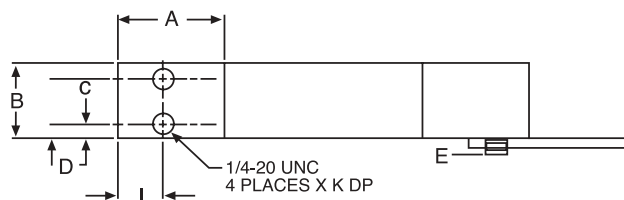
Manufacturer	Model
Rice Lake Weighing Systems	(see page 150) RL1040
Vishay Celtron	(see page 193) LOC



1130 Single Point, Stainless Steel



Pending



SIX LEAD SHIELDED CABLE

RATED CAPACITY	DIMENSIONS									
	A	B	C	D	E	F	G	I	J	H
kg/mm										
7.5-100	35.0	25.0	15.0	5.0	6.5	10.6	30	14.5	135	10
lb/inches										
16.6-220.5	1.378	.98	.591	.19	.26	4.173	1.18	.571	5.31	.39

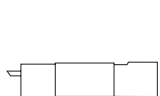
SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Deflection at Capacity:	7.5-100 kg \leq .4mm/.015"
Bridge Resistance:	350 ohms, nominal	Seal Type:	Environmentally-sealed
Material/Finish:	Stainless Steel	Cable Length:	1 m/3.3'
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Color Code:	Green + Excitation Black - Excitation Blue + Sense Brown - Sense Red + Signal White - Signal
Safe Overload:	200% full scale, at center loading point	Warranty:	2-year limited warranty
Rated Excitation:	10V AC/DC (15V maximum)		
Total Error:	0.02% Full scale		
Insulation Resistance:	5000 megohms		

1130 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
7.5 kg (16.6 lb)	53485.....	\$255.00
15 kg (33.1 lb)	53486.....	\$255.00
30 kg (66.1 lb)	53487.....	\$255.00
50 kg (110.2 lb)	53488.....	\$255.00
100 kg (220.0 lb)	53490.....	\$255.00

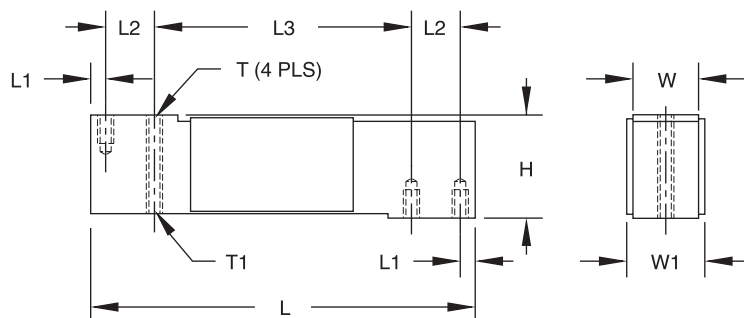
Matched-output cells are available; consult factory



Tedea-Huntleigh

Tedea-Huntleigh

1140 Potted Single Point, Stainless Steel



RATED CAPACITY

kg/mm
15-150

H

L

L1

L2

DIMENSIONS

L3

T

T1

W

W1

lb/inches
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
 0°F to 150°F/-18°C to 65°C
 Manufacturer: Tedea-Huntleigh
 Model Number: 1140-XXXX201
 Safe Overload: 200% at center loading point, full scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Total Error: 0.02% Full scale

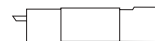
Insulation Resistance: 5000 megohms
 Deflection at Capacity: 15-150 kg ≤ .4 mm/.015"
 Seal Type: Environmentally-sealed
 Cable Length: 3.1 m/10'
 Cable Color Code: Green + Excitation
 Black - Excitation
 Blue + Sense
 Brown - Sense
 Red + Signal
 White - Signal
 Warranty: 2-year limited warranty

1140 ORDER INFORMATION

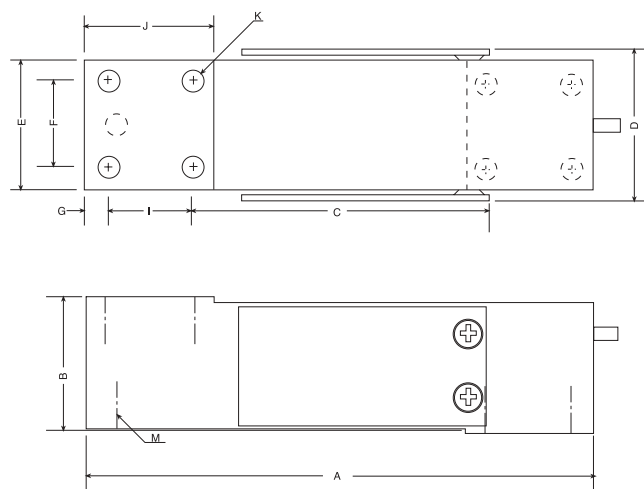
Load Rating	Part #	Suggested List Price
15 kg (33.1 lb)	17451	\$320.00
30 kg (66.1 lb)	17452	\$320.00
50 kg (110.2 lb)	17468	\$320.00
75 kg (165.4 lb)	17485	\$320.00
100 kg (220.5 lb)	17453	\$320.00
150 kg (330.7 lb)	36466	\$320.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 151) RL1140



1240 Single Point, Stainless Steel



RATED CAPACITY	DIMENSIONS										
	A	B	C	D	E	F	G	I	J	K	M
kg/mm 200-250	150.1	39.9	86.6	43.4	38.1	25.4	6.35	25.4	38.1	1/4-20 UNC x 13 DP	1/4-28 UNF x 10 DP
lb/inches 441-551.3	5.91	1.57	3.41	1.71	1.50	1.00	.25	1.00	1.50	1/4-20 UNC x 0.51 DP	1/4-28 UNF x 0.39 DP

SPECIFICATIONS:

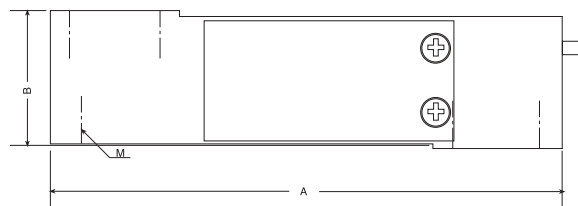
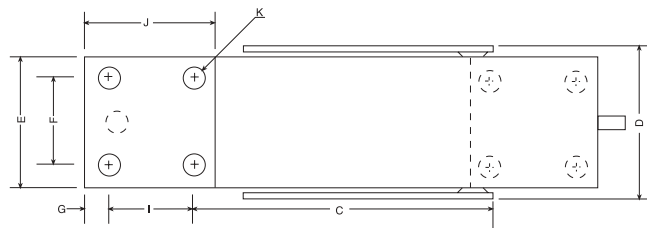
Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms
 Material/Finish: Stainless steel
 Temperature: Compensated temperature range
 0°F to 150°F/-18°C to 65°C
 Manufacturer: Tedea-Huntleigh
 Model Number: 1240-XXX101
 Safe Overload: 150% Full scale
 Rated Excitation: 10V AC/DC (15V maximum)
 Total Error: 0.02%
 Insulation Resistance: 2000 ohms

Deflection at Capacity: 200-250 kg = .015"/.4mm
 Seal Type: Environmentally-sealed
 Cable Length: 3.1 m/10'
 Cable Color Code:
 Green + Excitation
 Black - Excitation
 Blue + Sense
 Brown - Sense
 Red + Signal
 White - Signal
 Platform Size: 15.5" x 15.5"
 Warranty: 1-year limited warranty

1240 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
200 kg (441 lb)	47880	\$350.00
250 kg (551.3 lb)	47881	\$350.00

1241 Single Point, Aluminum OIML C3



RATED CAPACITY	DIMENSIONS										
	A	B	C	D	E	F	G	I	J	K	M
kg/mm 100-250	150.1	39.9	86.6	43.4	38.1	25.4	6.35	25.4	38.1	1/4-20 UNC x 13 DP	1/4-28 UNF x 10 DP
lb/inches 220.5-551.3	5.91	1.57	3.41	1.71	1.50	1.00	.25	1.00	1.50	1/4-20 UNC x 0.51 DP	1/4-28 UNF x 0.39 DP

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms
Material/Finish: Aluminum
Temperature: Compensated range
 0°F to 150°F/-18°C to 65°C

Manufacturer
Model Number: 1241-XXX101
Safe Overload: 150%, Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Total Error: 0.005%
Insulation Resistance: 2000 megohms

Deflection at Capacity: 100-250 kg = .015"/.4mm

Seal Type: Environmentally-sealed

Cable Length: 1 m/3.3'

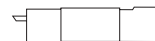
Cable Color Code: Green + Excitation
 Black - Excitation
 Blue + Sense
 Brown - Sense
 Red + Signal
 White - Signal

Platform Size: 15.5" x 15.5"

Warranty: 1-year limited warranty

1241 ORDER INFORMATION

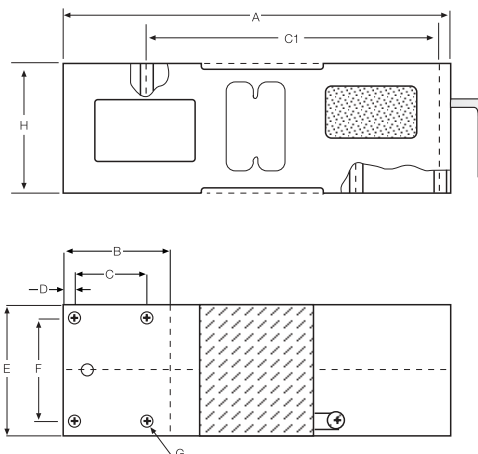
Load Rating	Part #	Suggested List Price
100 kg (220.5 lb)	47876	\$305.00
150 kg (330.7 lb)	47877	\$305.00
200 kg (441.0 lb)	47878	\$305.00
250 kg (551.3 lb)	47879	\$305.00



1260 Single Point, Aluminum NTEP 1:5000 Class III Single Cell



Available upon request



RATED CAPACITY	DIMENSIONS							
	A	B	C	C1	D	E	F	G
kg/mm 50-635	188	52	35	142	5.5	62.3	50	5/16-18 UNC-2B
lb/inches 110.2-1399.9	7.40	2.05	1.38	5.59	.22	2.45	1.97	5/16-18 UNC-2B

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V
Bridge Resistance:	350 ohms, nominal
Material/Finish:	Anodized aluminum
Temperature:	Compensated temperature range 14°F to 110°F/-10°C to 40°C
Manufacturer	
Model Number:	1260-XXXX001
Safe Overload:	200% of full scale at center loading point
Rated Excitation:	10V DC (20V maximum)
Total Error:	0.02% Full scale

Insulation Resistance:	5000 megohms
Seal Type:	Environmentally-sealed
Cable Length:	3 m/10'
Cable Color Code:	Green + Excitation Black - Excitation Blue + Sense Brown - Sense Red + Signal White - Signal
Warranty:	2-year limited warranty

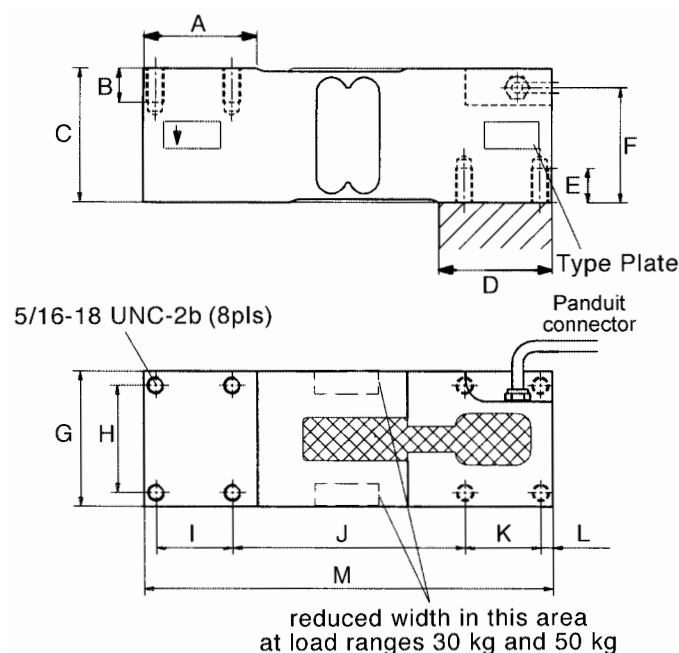
1260 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50 kg (110.2 lb)	40769.....	\$310.00
75 kg (165.4 lb)	40770.....	\$310.00
100 kg (220.5 lb)	40771.....	\$310.00
200 kg (440.9 lb)	40772.....	\$310.00
250 kg (551.2 lb)	40773.....	\$310.00
300 kg (661.4 lb)	40774.....	\$310.00
500 kg (1102.3 lb)	40775.....	\$310.00
635 kg (1399.9 lb)	40776.....	\$310.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 154) RL1260
HBM	(see page 238) PW16

1260S Single Point, Aluminum NTEP 1:10,000 Class III Single Cell



RATED CAPACITY	DIMENSIONS												
	A	B	C	D	E	F	G	H	I	J	K	L	M
kg/mm													
75-635	52	16	62.3	52	16	52.3	63	50	35	107	35	5.5	188
lb/inches													
165.4-1399.9	2.04	.62	2.45	2.04	.62	2.05	2.48	1.96	1.37	4.21	1.37	.21	7.40

SPECIFICATIONS:

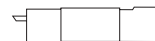
Full Scale Output:	2.0 mV/V	Insulation Resistance:	5000 megohms
Bridge Resistance:	350 ohms, nominal	Seal Type:	Environmentally-sealed
Material/Finish:	Anodized aluminum	Cable Length:	3.1 m/10'
Temperature:	Compensated temperature range 14°F to 110°F/-10°C to 40°C	Cable Color Code:	Green + Excitation Black - Excitation Blue + Sense Brown - Sense Red + Signal White - Signal
Manufacturer		Warranty:	2-year limited warranty
Model Number:	1260-XXXX001		
Safe Overload:	200% of full scale at center loading point		
Rated Excitation:	10V DC (20V maximum)		
Total Error:	0.02% Full scale		

1260S ORDER INFORMATION

Load Rating	Part #	Suggested List Price
75 kg (165.4 lb)	76395	\$325.00
100 kg (220.5 lb)	76396	\$325.00
150 kg (330.75 lb)	76397	\$325.00
200 kg (440.9 lb)	76398	\$325.00
250 kg (551.2 lb)	76399	\$325.00
300 kg (661.4 lb)	76400	\$325.00
500 kg (1102.3 lb)	76401	\$325.00
635 kg (1399.9 lb)	76402	\$325.00

INTERCHANGEABLE PRODUCTS

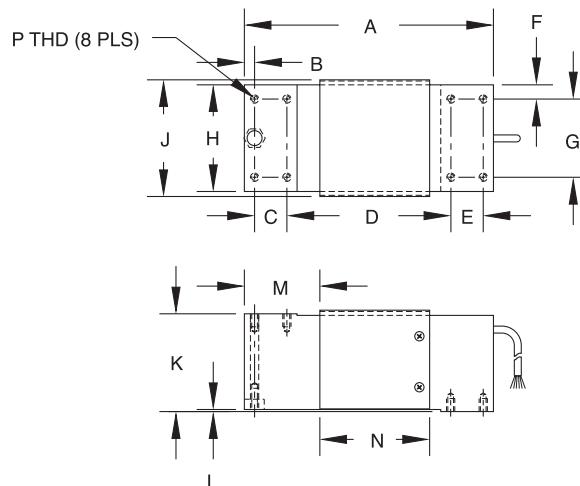
Manufacturer	Model
Vishay Tedea-Huntleigh	(see previous page) 1260
Rice Lake Weighing Systems	(see page 154) RL1260



1250 Potted Single Point, Aluminum NTEP 1:5000 Class III Single Cell



Available upon request



RATED CAPACITY	A	B	C	D	E	F	DIMENSIONS		G	H	J	K	L	M	N	P
kg/mm																
100-1000	191.0	11.0	25.0	125.0	25.0	7.5		60.0	75.0	82.0	75.0	1.5	57.5	85.0	5/16-18UNC X 15 DP	
lb/inches																
220.5-2205	7.52	.43	.98	4.92	.98	.30		2.36	2.95	3.23	2.95	.06	2.26	3.35	5/16-18UNC X .59 DP	

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
 Bridge Resistance: 350 ohms, nominal
 Material/Finish: Anodized aluminum
 Temperature: Compensated range
 14°F to 104°F/-10°C to 40°C

Manufacturer
 Model Number: 1250-XXXX001 (NTEP)
 1250-XXXX201 (Non-NTEP)
 Safe Overload: 200% of full scale at center loading point
 Rated Excitation: 10V AC/DC (20V maximum)
 Total Error: 0.02% Full scale

Insulation Resistance: 5000 megohms
 Deflection at Capacity: 50-1000 kg ≤ .4 mm/.015"
 Seal Type: Environmentally-sealed
 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

1250 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Potted, NTEP 1:5000		
100 kg (220.5 lb)	33711	\$315.00
150 kg (330.7 lb)	33712	\$315.00
200 kg (440.9 lb)	33713	\$315.00
250 kg (551.2 lb)	33714	\$315.00
300 kg (661.4 lb)	33715	\$315.00
500 kg (1102.3 lb)	33716	\$315.00
635 kg (1399.9 lb)	33717	\$315.00
Non-NTEP		
50 kg (110.3 lb)	17478	\$315.00
75 kg (165.4 lb)	17469	\$315.00
1000 kg (2205 lb)	17480	\$315.00

1250 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Non-NTEP w/25' Load Cell Cable		
50 kg (110.3 lb)	40944	\$247.50
75 kg (165.4 lb)	40945	\$190.00
100 kg (220.5 lb)	40946	\$190.00
150 kg (330.7 lb)	32342	\$390.00
200 kg (440.9 lb)	32341	\$390.00
250 kg (551.2 lb)	40947	\$190.00
300 kg (661.4 lb)	32340	\$390.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 155) RL1250
Vishay Celtron	(see page 194) LOC
Revere Transducers	(see page 278) 652
Flintec	(see page 212) PCB*

* Stainless steel, hermetically-sealed

www.rlws.com

USA: 800-472-6703 • CANADA/MEXICO: 800-321-6703 • INTERNATIONAL: 715-234-9171

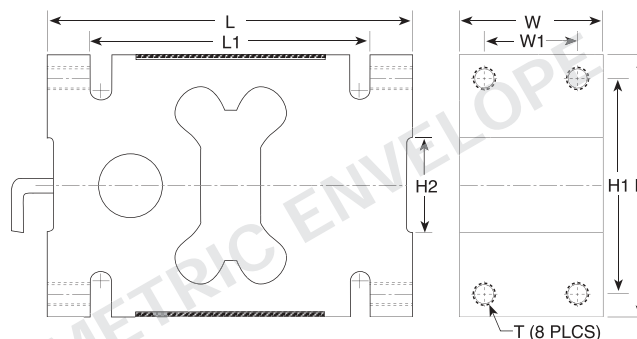
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1320 Single Point, Aluminum

NTEP 1:3000, Class III Single Cell



Available upon request



RATED CAPACITY	DIMENSIONS							
	H	H1	H2	L	L1	T	W	W1
kg/mm								
1000-2000	126.0	95.0	45.0	176.0	135.0	M16X2-6H	76.0	46.0
lb/inches								
2204.6-4409.2	4.96	3.74	1.77	6.93	5.31	M16X2-6H	2.99	1.81

SPECIFICATIONS:

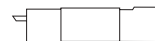
Full Scale Output:	2.0 mV/V	Deflection at Capacity:	1000-2000 kg \leq .4 mm/.015"
Bridge Resistance:	350 ohms, nominal	Max. Platform Size:	4' x 4'/1.2 m x 1.2 m
Material/Finish:	Aluminum alloy	Seal Type:	Environmentally-sealed
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C	Cable Length:	6 m/19.7'
Manufacturer		Cable Color Code:	Green..... + Excitation Black..... - Excitation Blue..... + Sense Brown..... - Sense Red..... + Signal White..... - Signal
Model Number:	1320-XXXX101	Warranty:	2-year limited warranty
Safe Overload:	150% Full scale		
Rated Excitation:	10V DC/AC (15V maximum)		
Total Error:	0.02% Full scale		
Insulation Resistance:	2000 megohms		

1320 ORDER INFORMATION

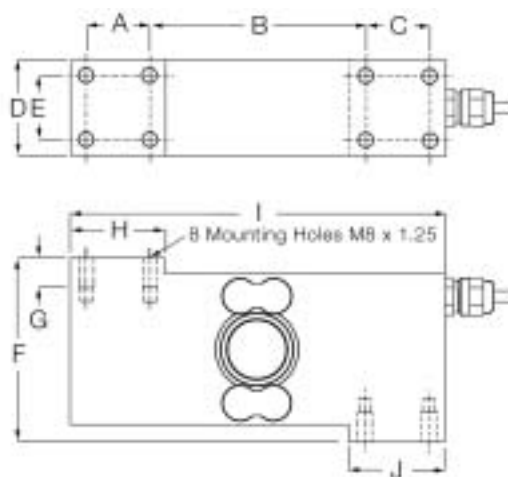
Load Rating	Part #	Suggested List Price
1000 kg (2204.6 lb)	29908.....	\$450.00
1500 kg (3306.9 lb)	29909.....	\$450.00
2000 kg (4409.2 lb)	29910.....	\$450.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron	(see page 195) HOC



1510 Single Point, Stainless Steel Welded-seal, IP68



RATED CAPACITY	DIMENSIONS									
	A	B	C	D	E	F	G	H	I	J
kg/mm 100-500 kg	25.4	86.3	25.4	38.1	25.4	72.8	11.9	38.1	149.9	38.1
lb/inches 100-500 lb	1.00	3.40	1.00	1.50	1.00	2.87	0.47	1.50	5.90	1.50

SPECIFICATIONS:

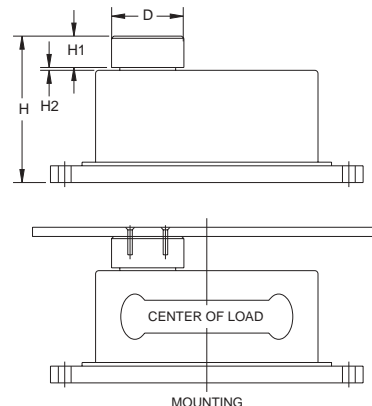
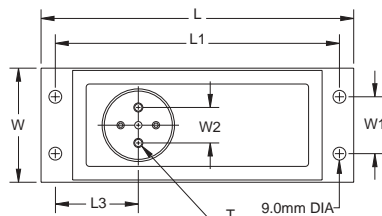
Full Scale Output:	2.0 mV/V	Seal Type:	Welded-seal, IP68
Bridge Resistance:	350 ohms, nominal	Cable Length:	3.1 m/10'
Material/Finish:	Stainless steel	Cable Color Code:	Green + Input Black - Input Blue + Sense Brown - Sense Red + Output White - Output
Temperature:	Compensated temperature range -14°F to 104°F/-10°C to 40°C	Warranty:	2-year limited warranty
Safe Overload:	150% at center loading point, full scale		
Rated Excitation:	10V DC (15V maximum)		
Total Error:	0.020% Full scale		
Insulation Resistance:	1000 megohms		

1510 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
100 kg (220.5 lb)	65851	\$795.00
250 kg (551.2 lb)	65852	\$795.00
500 kg (1102.3 lb)	65853	\$795.00

240 Single Point Fluid Damped Alloy Steel/Stainless Steel Casing

NTEP 1:5000 Class III Single Cell



Available upon request

RATED CAPACITY	DIMENSIONS										
	D	H	H1	H2	L	L1	L3	T	W	W1	W2
kg/mm											
2-50	50 DIA.	115.0	21.0	2.0	220.0	200.0	58.5	1/4-20 UNC X 10 DP	80.0	40.0	25.0
lb/inches											
4.4-110.2	1.97 DIA.	4.53	.83	.08	8.66	7.87	2.30	1/4-20 UNC X 0.39 DP	3.15	1.57	.98

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Total Error:	0.025% Full scale
Bridge Resistance:	350 ohms, nominal	Insulation Resistance:	5000 megohms
Material/Finish:	Anodized aluminum load cell in alloy steel or stainless steel enclosure	Seal Type:	Environmentally-sealed
Temperature:	Operating temperature range 32°F to 122°F/0°C to 50°C	Cable Length:	3 m/10'
Manufacturer		Cable Color Code:	Green.....+ Excitation Black.....- Excitation Blue.....+ Sense Brown.....- Sense Red.....+ Signal White.....- Signal
Model Number:	0240-XXXX-922 (Alloy) 0240-XXXX-923 (Stainless Steel)	Warranty:	2-year limited warranty
Safe Overload:	150% at center loading point, full scale		
Rated Excitation:	10V DC (15V maximum)		

240 ORDER INFORMATION

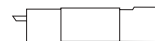
Load Rating	Part #	Suggested List Price
Alloy Steel*		
*2 kg (4.4 lb)	17559.....	\$670.00
5 kg (11.0 lb)	17560.....	\$670.00
7 kg (15.4 lb)	17561.....	\$670.00
10 kg (22.0 lb)	17562.....	\$670.00
15 kg (33.1 lb)	17563.....	\$670.00
20 kg (44.1 lb)	17564.....	\$670.00
30 kg (66.1 lb)	17565.....	\$670.00
50 kg (110.2 lb)	17566.....	\$670.00

* Non-NTEP models available; consult factory

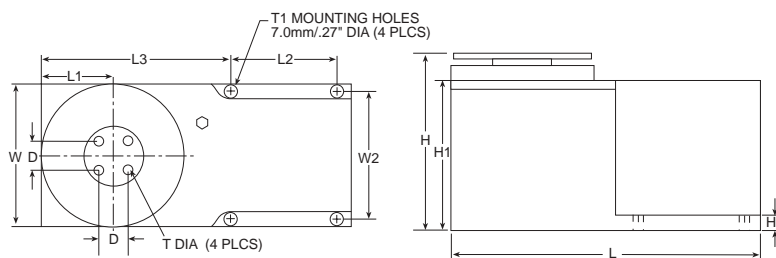
Note: The special fluid damped operation is particularly well suited for applications where quick weighment is required, e.g., checkweighers

240 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
Stainless Steel*		
*2 kg (4.4 lb)	17567.....	\$795.00
5 kg (11.0 lb)	17568.....	\$795.00
7 kg (15.4 lb)	17569.....	\$795.00
10 kg (22.0 lb)	17570.....	\$795.00
15 kg (33.1 lb)	17571.....	\$795.00
20 kg (44.1 lb)	17572.....	\$795.00
30 kg (66.1 lb)	17573.....	\$795.00
50 kg (110.2 lb)	17574.....	\$795.00



9010 Single Point Fluid Damped Load Cell



RATED CAPACITY	DIMENSIONS										
	D	H	H1	H3	L	L1	L2	L3	T	W	W2
kg/mm											
3-50	19.05	115.2	97.3	10.0	199.5	46.0	71.5	119.8	1/4-20 UNC X 20DP	92.0	82.0
lb/inches											
6.6-110.2	.75	4.53	3.83	.39	7.85	1.81	2.81	4.72	1/4-20 UNC x .79DP	3.62	3.23

SPECIFICATIONS:

Full Scale Output:	2.0 mV/V	Seal Type:	Environmentally-sealed
Bridge Resistance:	350 ohms, nominal	Cable Length:	.9 m/3'
Material/Finish:	Anodized load cell in nickel plated housing	Cable Color Code:	Green + Excitation Black - Excitation Blue + Sense Brown - Sense Red + Signal White - Signal
Temperature:	Operating temperature range 10°C to 30°C/50°F to 86°F	Warranty:	2-year limited warranty
Safe Overload:	800% Full scale downward, 400% Full scale upward		
Rated Excitation:	15V AC/DC (20V maximum)		
Total Error:	0.03% Full scale		
Insulation Resistance:	5000 megohms		

9010 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
3 kg (6.6 lb)	Consult factory	Consult factory
5 kg (11.0 lb)	Consult factory	Consult factory
7 kg (15.4 lb)	Consult factory	Consult factory
10 kg (22.0 lb)	Consult factory	Consult factory
15 kg (33.1 lb)	Consult factory	Consult factory
20 kg (44.1 lb)	Consult factory	Consult factory
30 kg (66.1 lb)	Consult factory	Consult factory
50 kg (110.2 lb)	Consult factory	Consult factory

NOTE: The special fluid damped operation is particularly well suited for applications where quick weighing is required, e.g., checkweighers

9010 load cells are custom-manufactured per specific application requirements; Use the Application Definition form on the next page to define your applications

Vishay Tedeo-Huntleigh Model 9010 Application Definition Form

Customer's Name: _____ Number of Units: _____

Contact Person: _____ Date: _____

Application: _____

Tare Weight (Dead Load), kg: _____

Useful Weight (Live Load), kg: _____

If Checkweigher:

Size of conveyor platform (cm x cm): Length (Movement Direction) _____ Width _____

Size of weighed product in movement direction (cm): _____

Speed of belt (cm/sec): _____

Tare Weight Distribution: Conveyor (kg) _____

Motor (kg) _____

Position of motor (see sketch, cm): D _____ F _____

If not checkweigher (see sketch):

Estimate tare C. G. Position (cm): D _____ F _____

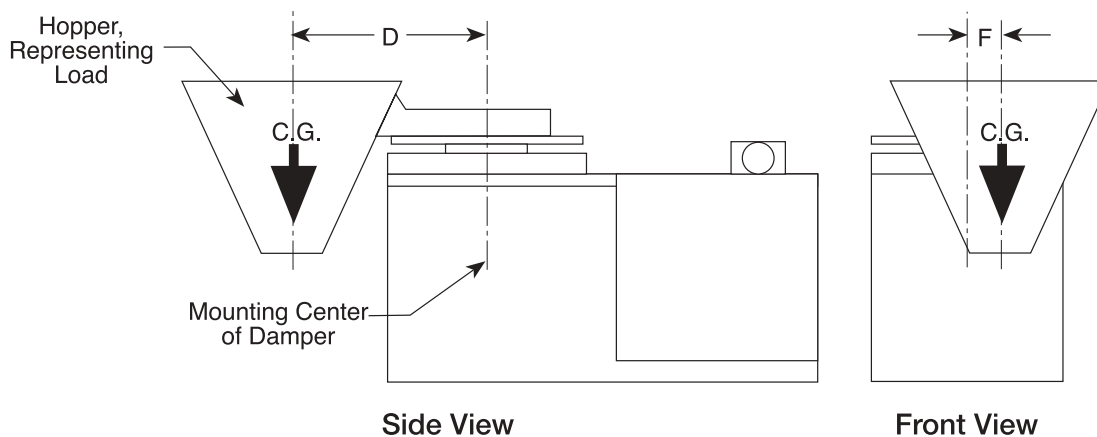
Loading position (cm): D _____ F _____ Drop Height (cm) _____

If C. G. of load varies, max. distance between extreme position (cm): _____

Describe live load (powder, fruit, screws, etc.): _____

Settling time (milliseconds): _____

Accuracy required: _____ Operating temperature range (°C): _____



Return completed form to your Sales Representative.

For Factory use; do not write in space below.

Serial Numbers: _____ Sales Order #: _____

Delivery Quoted: _____ Date: _____

Hardware and Accessories

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Hardware and Accessories

Load Cell Mounting Hardware Safety Guidelines

Install only load cell mounting hardware and assemblies that have been specifically designed for use in tank, hopper or hanging scale applications. Often, the use of an inferior-grade product results in component failure, which risks equipment damage and personal injury. These simple suggestions are provided to help minimize your exposure to vessel scale installation hazards.

1. Estimating Gross Load

To select the correct load cell or load cell hardware for a given application, it is necessary to know the total weight on the scale—including the net weight of product, the tare weight of the vessel, and the weight of the platform, tank, or hopper, as appropriate.

2. Safe Load

Do not exceed the safe load figures listed in Rice Lake Weighing Systems' catalog for any load cell hardware. Where shock loads are present, it may be necessary to derate these safe load figures, depending on the severity of the shock load.

3. Load Distribution

In multiple load cell applications, the weight must be evenly distributed between all cells.

4. Threaded Connections

Check that all threads of a threaded connection are in engagement. For example, an eye bolt screwed into an S-type load cell should protrude slightly on the opposite side.

5. Jam Nuts

All threaded connections must be locked with jam nuts against inadvertent disassembly. If a load is suspended from a single load cell, it is critical that the load cannot rotate, as this may loosen the jam nut.

6. Wire Rope Assemblies

With wire rope assemblies, do not twist the rope during assembly or disassembly. For example, do not remove a frozen nut from one end of a rope assembly by holding the opposite end.

7. Attachment Points of a Load Cell Hardware Assembly

The attachment points of a load cell hardware assembly must be aligned properly, and the assembly should be essentially vertical.

8. Swaying in a Suspended Vessel Scale

If there is excessive swaying in a suspended vessel scale, apply horizontal checking to reduce the amplitude.

9. Safety Backup

If failure of one or more load cell hardware assemblies could cause injury or damage, a safety backup (safety chains, safety rods, etc.) must be used. The assemblies should be inspected routinely for damage, excessive wear or corrosion, and replaced if necessary.

10. Hopper Scales: Guarding Against Contamination

With hopper scales, guard against contamination of the product being weighed as a result of the failure of the load cell or hardware assembly. For example, do not locate a wire rope assembly over a hopper scale where broken strands of wire could fall into the weighing vessel, contaminating the product being weighed.

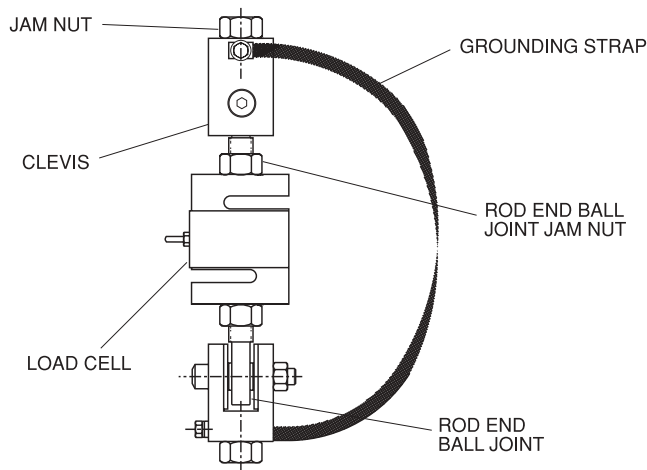
11. Selecting Steel Rod or Any Other Weight-Bearing Components

Select steel rod or any other weight-bearing components so that their minimum tensile strength is at least four times the total weight carried by that component. Note that threaded rod is generally made from a low tensile-strength mild steel which should be checked for tensile strength before use in any suspended vessel scale.

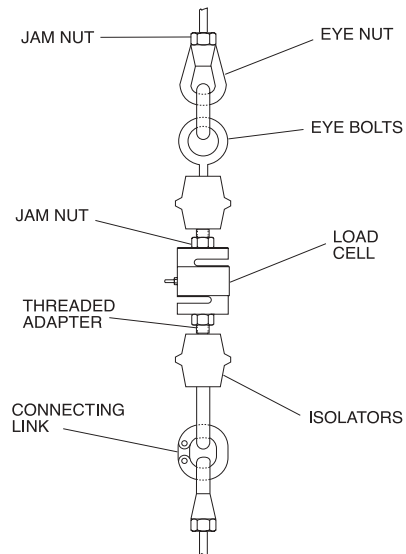
Hardware and Accessories

Mounting Assembly Component Identification

ITCM Isolated Tension Cell Mounting Assembly



Conventional Tension Mounting Assembly



Our popular ITCM Isolated Tension Cell Mounting Assembly and other conventional suspended weighing system assemblies employ a variety of serviceable hardware components. Rice Lake Weighing Systems offers a comprehensive selection of these items for all of your suspended vessel service needs. These drawings are designed to enable you to quickly identify and differentiate components from both of these common designs. All corresponding replacement hardware is located on the following pages.

Jam Nuts

Mild Steel/Stainless Steel

- Coarse or fine thread
- Zinc-plated mild steel or stainless steel



MILD STEEL		Suggested List Price
Thread Size	Part #	
Fine Thread:		
1/4-28 NF	14639	\$0.15
3/8-24 NF	14651	\$0.15
1/2-20 NF	14664	\$0.15
3/4-16 NF	14687	\$0.50
1-12 NF	14702	\$5.00
1-14 NF	14703	\$3.95
1 1/4-12 NF	14708	\$2.70
1 1/2-12 NF	14711	\$4.00
Mild Steel, Coarse Thread:		
1/4-20 NC	14636	\$0.15
3/8-16 NC	14649	\$0.50
1/2-13 NC	14661	\$0.15
5/8-11 NC	14676	\$0.25
3/4-10 NC	14686	\$0.50
1-8 NC	14701	\$0.65
1-1/4-7 NC	14707	\$2.50

STAINLESS STEEL		Suggested List Price
Thread Size	Part #	
Stainless Steel, Fine Thread:		
1/4-28 NF	14640	\$0.80
1/2-20 NF	14665	\$1.25
3/4-16 NF	14688	\$1.75
Stainless Steel, Coarse Thread:		
3/8-16 NC	14653	\$0.50
1/2-13 NC	14662	\$1.25
5/8-11 NC	14680	\$1.00
3/4-10 NC	14690	\$1.50

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

Hardware and Accessories

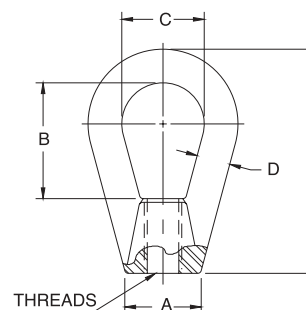
Eye Nuts

- Drop-forged steel, tapped NC right-hand threads



PART #	DIMENSIONS - INCHES (MM)					THREAD SIZE	SAFE LOAD*	SUGGESTED LIST PRICE
	A	B	C	D	E			
17772.....	0.50 (12.7)	1.06 (26.9)	0.75 (19.1)	0.25 (6.4)	1.68 (42.7)	1/4-20 NC.....	500 lb (226.8 kg)	\$10.50
17773.....	0.75 (19.1)	1.18 (30.0)	0.87 (22.1)	0.31 (7.9)	2.25 (57.2)	3/8-16 NC.....	1800 lb (816.5 kg)	\$11.50
17774.....	1.00 (25.4)	1.56 (39.6)	1.12 (28.5)	0.43 (10.9)	3.00 (76.2)	1/2-13 NC.....	3600 lb (1632.9 kg)	\$16.50
17775.....	1.25 (31.8)	1.93 (49.0)	1.37 (34.8)	0.56 (14.2)	3.75 (95.3)	5/8-11 NC.....	5800 lb (2630.8 kg)	\$22.50
17776.....	1.75 (44.5)	1.87 (47.5)	1.50 (38.1)	0.75 (19.1)	3.87 (98.3)	3/4-10 NC ..	10,600 lb (4808.1 kg)	\$32.50
17777.....	2.25 (57.2)	2.12 (53.9)	1.75 (44.5)	1.00 (25.4)	4.75 (120.7)	1-8 NC....	18,800 lb (8527.6 kg)	\$65.00

* Do not exceed the safe load



Coupling Nuts

- Heavy hex

PART #	THREAD SIZE	LENGTH		FLAT		SAFE LOAD*	SUGGESTED LIST PRICE
		INCHES (MM)		INCHES (MM)			
14638.....	1/4-20 NC.....	1.75 (44.5)	0.44 (11.2)			500 lb (226.8 kg)	\$4.00
14650.....	3/8-16 NC.....	1.75 (44.5)	0.62 (15.8)			1500 lb (680.4 kg)	\$4.50
14663.....	1/2-13 NC.....	1.75 (44.5)	0.87 (22.1)			3000 lb (1360.8 kg)	\$4.50
14681.....	5/8-11 NC.....	2.12 (53.8)	1.06 (26.9)			7500 lb (3402.0 kg)	\$7.00
14691.....	3/4-10 NC.....	2.25 (57.1)	1.25 (31.8)			10,000 lb (4535.9 kg)	\$8.00

* Do not exceed the safe load



Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

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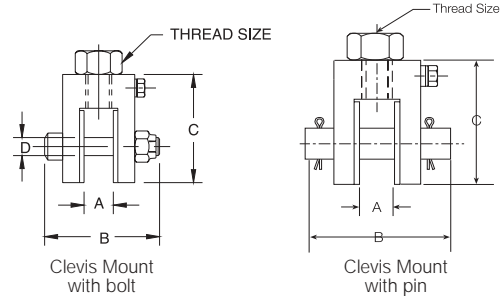
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Hardware and Accessories

Clevis Mount Assemblies

Mild Steel

- Assembly used in the ITCM
- Adapts rod to rod-end ball joint
- Provides electrical isolation for load cell protection
- Elimination of unwanted side loads
- Optional stainless steel provides enhanced corrosion resistance

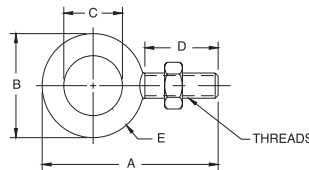


PART #	DIMENSIONS - INCHES (MM)				THREAD SIZE	SAFE LOAD*	SUGGESTED LIST PRICE
	A	B	C	D			
Mild Steel with bolt:							
17792.....	0.52 (13.2).....	2.38 (60.5).....	1.94 (49.3).....	0.38 (9.5).....	3/8-16 NC.....	300 lb (136.1 kg).....	\$65.00
17793.....	0.52 (13.2).....	2.38 (60.5).....	1.94 (49.3).....	0.38 (9.5).....	1/2-13 NC.....	300 lb (136.1 kg).....	\$65.00
17783.....	0.39 (9.9).....	1.81 (46.0).....	1.69 (42.9).....	0.25 (6.4).....	1/2-13 NC.....	500 lb (226.8 kg).....	\$65.00
17784.....	0.65 (16.5).....	2.68 (68.1).....	2.31 (58.7).....	0.50 (12.7).....	3/4-10 NC.....	4000 lb (1814.4 kg).....	\$65.00
17785.....	0.78 (19.8).....	3.37 (85.6).....	3.00 (76.2).....	0.62 (15.8).....	1- 8 NC.....	10,000 lb (4535.9 kg).....	\$65.00
17786.....	0.39 (9.9).....	1.81 (46.0).....	1.69 (42.9).....	0.25 (6.4).....	3/8-16 NC.....	500 lb (226.8 kg).....	\$65.00
17787.....	0.65 (16.5).....	2.68 (68.1).....	2.31 (58.7).....	0.50 (12.7).....	1/2-13 NC.....	2000 lb (907.2 kg).....	\$65.00
17788.....	0.65 (16.5).....	2.68 (68.1).....	2.31 (58.7).....	0.50 (12.7).....	5/8-11 NC.....	2500 lb (1134.0 kg).....	\$65.00
17789.....	0.78 (19.8).....	3.37 (85.6).....	3.00 (76.2).....	0.62 (15.8).....	3/4-10 NC.....	5000 lb (2268.0 kg).....	\$65.00
Mild Steel with pin:							
17790.....	1.39 (35.3).....	4.12 (104.6).....	4.50 (114.3).....	1.00 (25.4).....	1 1/4- 7 NC.....	15,000 lb (6803.9 kg).....	\$250.00
17791.....	1.22 (31.0).....	4.12 (104.6).....	5.00 (127.0).....	1.25 (31.8).....	1 1/2- 6 NC.....	20,000 lb (9071.9 kg).....	\$250.00
Stainless Steel with pin:							
33644.....	0.52 (13.2).....	2.38 (60.5).....	1.94 (49.3).....	0.38 (9.5).....	1/2-13 NC.....	300 lb (136.1 kg).....	\$125.00
33643.....	0.39 (9.9).....	1.81 (46.0).....	1.69 (42.9).....	0.25 (6.4).....	1/2-13 NC.....	500 lb (226.8 kg).....	\$125.00
33641.....	0.39 (9.9).....	1.81 (46.0).....	1.69 (42.9).....	0.25 (6.4).....	3/8-16 NC.....	500 lb (226.8 kg).....	\$125.00
33658.....	0.52 (13.2).....	2.38 (60.5).....	1.94 (49.3).....	0.38 (9.5).....	3/8-16 NC.....	500 lb (226.8 kg).....	\$125.00
33642.....	0.65 (16.5).....	2.68 (68.1).....	2.31 (58.7).....	0.50 (12.7).....	3/4-10 NC.....	4000 lb (1814.4 kg).....	\$165.00
33640.....	0.65 (16.5).....	2.68 (68.1).....	2.31 (58.7).....	0.50 (12.7).....	1/2-13 NC.....	2000 lb (907.2 kg).....	\$165.00
33639.....	0.65 (16.5).....	2.68 (68.1).....	2.31 (58.7).....	0.50 (12.7).....	5/8-11 NC.....	2500 lb (1134.0 kg).....	\$165.00
33638.....	0.78 (19.8).....	3.37 (85.6).....	3.00 (76.2).....	0.62 (15.8).....	3/4-10 NC.....	5000 lb (2268.0 kg).....	\$165.00

* Do not exceed the safe load

Load Cell Eye Bolts

- One jam nut included with each eye bolt



PART #	DIMENSIONS - INCHES (MM)										THREAD SIZE	SAFE LOAD*	SUGGESTED LIST PRICE
	A	B	C	D	E								
Mild Steel:													
17705.....	2.25 (57.2)	1.25 (31.8)	0.75 (19.1)	1.00 (25.4)	0.25 (6.4)	1/4-28 NF	500 lb (226.8 kg)	\$7.00					
17707.....	2.91 (73.9)	1.66 (42.2)	1.00 (25.4)	1.25 (31.8)	0.33 (8.4)	3/8-24 NF	1400 lb (635.0 kg)	\$7.00					
17709.....	3.56 (90.4)	2.06 (52.3)	1.19 (30.2)	1.50 (38.1)	0.44 (11.2)	1/2-20 NF	2600 lb (1179.3 kg)	\$10.00					
17711.....	4.25 (108.0)	2.50 (63.5)	1.37 (34.8)	1.75 (44.5)	0.56 (14.2)	5/8-18 NF	4000 lb (1814.4 kg)	\$13.00					
17713.....	4.81 (122.2)	2.81 (71.4)	1.50 (38.1)	2.00 (50.8)	0.66 (16.8)	3/4-16 NF	6000 lb (2721.6 kg)	\$18.00					
17715.....	6.06 (153.9)	3.56 (90.4)	1.81 (46.0)	2.50 (63.5)	0.87 (22.1)	1-12 NF	9000 lb (4082.3 kg)	\$38.00					
17716.....	6.06 (153.9)	3.56 (90.4)	1.81 (46.0)	2.50 (63.5)	0.87 (22.1)	1-14 NS	9000 lb (4082.3 kg)	\$31.00					
17718.....	7.44 (189.0)	4.44 (112.8)	2.19 (55.6)	3.00 (76.2)	1.12 (28.4)	1 1/4-12 NF	15,000 lb (6803.9 kg)	\$50.00					
17704.....	2.25 (57.2)	1.25 (31.8)	0.75 (19.1)	1.00 (25.4)	0.25 (6.4)	1/4-20 NC	500 lb (226.8 kg)	\$11.00					
17706.....	2.91 (73.9)	1.66 (42.2)	1.00 (25.4)	1.25 (31.8)	0.33 (8.4)	3/8-16 NC	1400 lb (635.0 kg)	\$11.00					
17708.....	3.56 (90.4)	2.06 (52.3)	1.19 (30.2)	1.50 (38.1)	0.44 (11.2)	1/2-13 NC	2600 lb (1179.3 kg)	\$10.00					
17710.....	4.25 (108.0)	2.50 (63.5)	1.37 (34.8)	1.75 (44.5)	0.56 (14.2)	5/8-11 NC	4000 lb (1814.4 kg)	\$14.00					
17712.....	4.81 (122.2)	2.81 (71.4)	1.50 (38.1)	2.00 (50.8)	0.66 (16.8)	3/4-10 NC	6000 lb (2721.6 kg)	\$19.00					
17714.....	6.06 (153.9)	3.56 (90.4)	1.81 (46.0)	2.50 (63.5)	0.87 (22.1)	1-8 NC	9000 lb (4082.3 kg)	\$30.00					
17717.....	7.44 (189.0)	4.44 (112.8)	2.19 (55.6)	3.00 (76.2)	1.12 (28.4)	1 1/4-7 NC	15,000 lb (6803.9 kg)	\$55.00					
17719.....	4.31 (109.5)	2.81 (71.4)	1.50 (38.1)	1.50 (38.1)	0.66 (16.8)	3/4-10 NC	6000 lb (2721.6 kg)	\$18.00					

* Do not exceed the safe load

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

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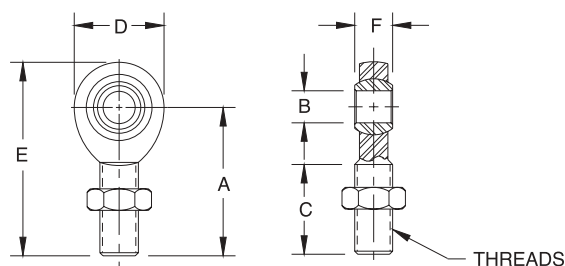
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Hardware and Accessories

Rod End Ball Joints

- Used in the ITCM assembly
- One jam nut included with each rod end ball joint
- Standard or Teflon®-lined
- Optional stainless steel provides enhanced corrosion resistance for hostile environments



PART #	A	DIMENSIONS - INCHES (MM)					E	F	THREAD SIZE	SAFE LOAD*	BREAKING STRENGTH	TFE LINED	SUGG. PRICE
		B	C	D									
Mild Steel:													
17746	1.94 (49.3)	0.37 (9.4)	1.25 (31.8)	1.00 (25.4)	2.43 (61.7)	0.50 (12.7)	3/8-24 NF	975 lb (453.6 kg)	3915 lb (1913.3 kg)	YES	\$16.00		
17734	1.94 (49.3)	0.37 (9.4)	1.25 (31.8)	1.00 (25.4)	2.43 (61.7)	0.50 (12.7)	3/8-24 NF	1200 lb (544.3 kg)	4916 lb (2229.9 kg)	NO	\$12.50		
17736	2.44 (62.0)	0.50 (12.7)	1.50 (38.1)	1.31 (33.3)	3.09 (78.5)	0.62 (15.8)	1/2-20 NF	4000 lb (1814.4 kg)	16,238 lb (7365.5 kg)	NO	\$40.00		
17738	2.87 (72.9)	0.75 (19.1)	1.75 (44.5)	1.75 (44.5)	3.75 (95.3)	0.87 (22.1)	3/4-16 NF	7000 lb (3175.2 kg)	28,081 lb (12,737.4 kg)	NO	\$58.00		
17735	2.44 (62.0)	0.50 (12.7)	1.50 (38.1)	1.31 (33.3)	3.09 (78.5)	0.62 (15.8)	1/2-20 NF	2000 lb (907.2 kg)	8075 lb (3662.8 kg)	NO	\$11.00		
17737	2.87 (72.9)	0.75 (19.1)	1.75 (44.5)	1.75 (44.5)	3.75 (95.3)	0.87 (22.1)	3/4-16 NF	3250 lb (1474.2 kg)	13,831 lb (6273.7 kg)	NO	\$20.00		
17739	1.56 (39.6)	0.25 (6.4)	1.00 (25.4)	0.75 (19.1)	1.93 (49.0)	0.37 (9.4)	1/4-28 NF	500 lb (226.8 kg)	2158 lb (978.9 kg)	YES	\$12.00		
17740	2.44 (62.0)	0.50 (12.7)	1.50 (38.1)	1.31 (33.3)	3.09 (78.5)	0.62 (15.8)	1/2-20 NF	4000 lb (1814.4 kg)	16,238 lb (7365.5 kg)	YES	\$40.00		
17741	2.87 (72.9)	0.62 (15.8)	1.75 (44.5)	1.75 (44.5)	3.75 (95.3)	0.75 (19.1)	3/4-16 NF	10,000 lb (4535.9 kg)	40,572 lb (18,403.2 kg)	YES	\$60.00		
17742	4.12 (104.7)	1.00 (25.4)	2.12 (53.9)	2.75 (70.0)	5.50 (139.7)	1.37 (34.8)	1-12 NF	10,500 lb (4762.7 kg)	43,541 lb (19,749.9 kg)	NO	\$76.00		
26007	4.12 (104.7)	1.00 (25.4)	2.12 (53.9)	2.75 (70.0)	5.50 (139.7)	1.37 (34.8)	1-14 UNS	15,000 lb (6803.9 kg)	76,200 lb (34,563.8 kg)	YES	\$225.00		
17747	4.12 (104.7)	1.00 (25.4)	2.12 (53.9)	2.75 (70.0)	5.50 (139.7)	1.37 (34.8)	1-12 NF	19,000 lb (8618.3 kg)	76,200 lb (34,563.8 kg)	YES	\$250.00		
17743	4.12 (104.7)	1.25 (31.8)	2.12 (53.9)	2.75 (70.0)	5.50 (139.7)	1.09 (27.7)	1 1/4-12 NF	20,000 lb (9071.9 kg)	79,728 lb (36,164.1 kg)	NO	\$195.00		
17744	5.37 (136.4)	1.50 (38.1)	3.00 (76.2)	3.50 (88.9)	7.12 (180.8)	1.31 (33.3)	1 1/2-12 NF	24,000 lb (10,886.2 kg)	96,510 lb (43,776.3 kg)	NO	\$235.00		
17745	8.00 (203.2)	2.00 (50.8)	4.62 (117.4)	5.00 (127.0)	10.50 (266.7)	1.75 (44.5)	2-12 NF	55,000 lb (24,947.7 kg)	225,457 lb (102,265.9 kg)	NO	\$295.00		
Stainless Steel:													
33506	1.94 (49.3)	.37 (9.4)	1.25 (31.8)	1.00 (25.4)	2.43 (61.7)	.50 (12.7)	3/8-24 NF	1500lb (680.4 kg)	7362 lb (3339.4 kg)	YES	\$85.00		
33505	1.56 (39.6)	.25 (6.4)	1.00 (25.4)	.75 (19.1)	1.93 (49.0)	.37 (9.4)	1/4-28 NF	500lb (226.8 kg)	2158 lb (978.9 kg)	YES	\$80.00		
33507	2.44 (62.0)	.50 (12.7)	1.50 (38.1)	1.31 (33.3)	3.09 (78.5)	.62 (15.8)	1/2-20 NF	3000lb (1360.8 kg)	16,238 lb (7365.5 kg)	YES	\$95.00		
33508	2.87 (72.9)	.62 (15.8)	1.75 (44.5)	1.75 (44.5)	3.75 (95.3)	.75 (19.1)	3/4-16 NF	7,000lb (3175.2 kg)	40,572 lb (18,403.2kg)	YES	\$195.00		

* Do not exceed the safe load

Grounding Strap

- Used in the ITCM assembly
- Tinned copper braid
- Crimped sleeve on ends with .25" (6.4 mm) hole
- Available in 12" (304.8 mm), 14" (355.6 mm), 16" (406.4 mm), 24" (609.6 mm) or 32" (812.8 mm) lengths



PART NUMBER	LENGTH INCHES (MM)	SUGGESTED LIST PRICE
17778	12 (304.8)	\$9.50
17779	14 (355.6)	\$10.50
17780	16 (406.4)	\$11.50
17781	24 (609.6)	\$12.00
17782	32 (812.8)	\$18.00

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

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Hardware and Accessories

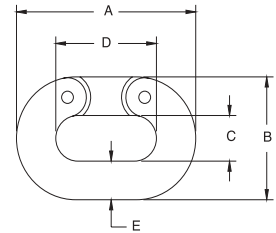
Connecting Links

- Drop-forged carbon steel, heat-treated, hot-dipped galvanized finish



PART #	DIMENSIONS - INCHES (MM)					SAFE LOAD*	SUGGESTED LIST PRICE
	A	B	C	D	E		
17794.....	1.50 (38.1)	1.00 (25.4)	0.43 (10.9)	0.87 (22.1)	0.25 (6.4)	1325 lb (601.6 kg)	\$10.00
17795.....	2.06 (52.3)	1.37 (34.8)	0.56 (14.2)	1.12 (28.5)	0.37 (9.4)	2750 lb (1247.4 kg)	\$12.00
17796.....	2.65 (67.3)	1.71 (43.4)	0.65 (16.5)	1.46 (37.1)	0.50 (12.7)	4750 lb (2154.6 kg)	\$13.00
17797.....	3.31 (84.1)	2.09 (53.1)	0.78 (19.8)	1.81 (46.0)	0.62 (15.8)	7250 lb (3288.6 kg)	\$20.00
17798.....	3.87 (98.3)	2.50 (63.5)	0.93 (23.6)	2.12 (53.9)	0.75 (19.1)	10,250 lb (4649.3 kg)	\$35.00
17799.....	5.00 (127.0)	3.31 (84.1)	1.25 (31.8)	2.75 (69.9)	1.00 (25.4)	15,500 lb (7030.7 kg)	\$58.00

* Do not exceed the safe load



Load Cell Isolators

- Power surges such as those caused by welding or electrical shorts frequently damage load cells and indicators. To prevent such damage, these isolators electrically separate the mechanical assembly from its tension-type load cell.

PART #	HEIGHT THREAD SIZE	MAX. DIA		SAFE LOAD*	SUGGESTED LIST PRICE
		INCHES (MM)	INCHES (MM)		
17722.....	3/8-16 NC	2.50 (63.5)	2.50 (63.5)	600 lb (272.2 kg)	\$20.00
17724.....	1/2-13 NC	2.50 (63.5)	2.50 (63.5)	600 lb (272.2 kg)	\$28.00
17726.....	1/2-20 NF	2.50 (63.5)	2.50 (63.5)	600 lb (272.2 kg)	\$32.00
17725.....	1/2-13 NC	2.43 (61.7)	2.00 (50.8)	3000 lb (1360.8 kg)	\$45.00
17723.....	3/8-24 NF	2.50 (63.5)	2.50 (63.5)	600 lb (272.2 kg)	\$32.00
17728.....	1/2-13 NC x 1/2-20 NF	2.50 (63.5)	2.50 (63.5)	600 lb (272.2 kg)	\$32.00
17732.....	1/4-20 NC	1.00 (25.4)	1.12 (28.4)	250 lb (113.4 kg)	\$25.00

* Do not exceed the safe load



Threaded Adapters

- For coupling isolators with load cells and steelyard rods
- Supplied with jam nuts
- Now in stronger, more durable stainless steel



PART #	DIMENSIONS - INCHES (MM)					SAFE LOAD*	SUGGESTED LIST PRICE
	A	B	C	D	E		
33561.....	—	—	2.00 (50.8)	1/4-28 NF	1/4-28 NF	300 lb (136.1 kg)	\$9.00
33562.....	0.94 (23.9)	0.94 (23.9)	2.00 (50.8)	1/4-28 NF	1/4-20 NC	300 lb (136.1 kg)	\$9.00
33563.....	0.92 (23.3)	1.02 (25.9)	2.06 (52.3)	1/4-28 NF	3/8-24 NF	300 lb (136.1 kg)	\$9.00
33564.....	0.94 (23.9)	0.94 (23.9)	2.00 (50.8)	1/4-28 NF	3/8-16 NC	300 lb (136.1 kg)	\$9.00
33565.....	1.06 (26.9)	1.06 (26.9)	2.25 (57.2)	1/4-20 NC	3/8-16 NC	300 lb (136.1 kg)	\$14.00
33567.....	1.06 (26.9)	1.06 (26.9)	2.25 (57.2)	1/4-28 NF	1/2-13 NC	300 lb (136.1 kg)	\$14.00
33568.....	—	—	2.00 (50.8)	3/8-24 NF	3/8-24 NF	500 lb (226.8 kg)	\$14.00
33569.....	0.91 (23.1)	0.91 (23.1)	2.00 (50.8)	3/8-16 NC	3/8-24 NF	500 lb (226.8 kg)	\$8.00
33570.....	1.06 (26.9)	1.06 (26.9)	2.25 (57.2)	3/8-24 NF	1/2-13 NC	500 lb (226.8 kg)	\$14.00
33571.....	1.31 (33.3)	1.31 (33.3)	2.75 (69.9)	1/2-13 NC	5/8-11 NC	3000 lb (1360.8 kg)	\$14.00
33572.....	0.87 (22.0)	0.87 (22.0)	2.00 (50.8)	1/2-13 NC	1/2-20 NF	3000 lb (1360.8 kg)	\$12.00
33573.....	—	—	2.06 (52.3)	1/2-20 NF	1/2-20 NF	3000 lb (1360.8 kg)	\$12.00
33574.....	1.31 (33.3)	1.31 (33.3)	2.75 (69.9)	1/2-20 NF	5/8-11 NC	3000 lb (1360.8 kg)	\$14.00
33575.....	1.31 (33.3)	1.31 (33.3)	3.00 (76.2)	3/4-16 NF	3/4-10 NC	7000 lb (3175.2 kg)	\$16.00

* Do not exceed the safe load

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

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Hardware and Accessories

ITCM - Isolated Tension Cell Mount Hardware Kits



Mount only - does not include load cell

The ITCM Isolated Tension Cell Mount is a mounting assembly designed for tension mounting S-beam load cells in suspended hopper assemblies and mechanical scale conversions. The ITCM incorporates clevis and unique rod end ball joint assemblies to reduce the overall length to less than half of the traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated from stray currents, a major cause of load cell failure. To complete the design, a grounding strap connects the two clevis assemblies to further guarantee safety to your load cells.

APPLICATIONS

- Suspended hoppers
- Mechanical scale conversions
- Replaces traditional eyebolt, isolator configurations

STANDARD FEATURES

- Provides greater safety than traditional suspension configurations
- Complete package for ease of installation
- Built-in electrical isolation without having to use isolators (not available on 20,000 lb/9071.9 kg version)
- Provides correct load cell loading even in difficult installations
- Dramatically reduces overall length
- Capacities from 100 lb/45.4 kg to 20,000 lb/9071.9 kg
- Clevis mounts with nylon insulating washers
- Teflon®-lined rod end ball joints (not available on 20,000 lb/9071.9 kg version)
- Completely isolates load cell from stray currents
- Grounding strap for electrical continuity

LOAD RATING	PART #	CLEVIS THREAD	ROD END THREAD	*SAFE LOAD	SUGGESTED LIST PRICE
Mild Steel:					
300 lb (136.1 kg)	17968	3/8-16	3/8-24	300 lb (136.1 kg)	\$165.00
300 lb (136.1 kg)	17969	1/2-13	3/8-24	300 lb (136.1 kg)	\$165.00
500 lb (226.8 kg)	17894	3/8-16	1/4-28	500 lb (226.8 kg)	\$165.00
500 lb (226.8 kg)	17895	1/2-13	1/4-28	500 lb (226.8 kg)	\$165.00
2000 lb (907.2 kg)	17896	1/2-13	1/2-20	2000 lb (907.2 kg)	\$195.00
2500 lb (1134.0 kg)	17897	5/8-11	1/2-20	2500 lb (1134.0 kg)	\$195.00
4000 lb (1814.4 kg)	17898	3/4-10	1/2-20	4000 lb (1814.4 kg)	\$195.00
5000 lb (2268.0 kg)	17899	3/4-10	3/4-16	5000 lb (2268.0 kg)	\$255.00
10,000 lb (4535.9 kg)	17900	1-8	3/4-16	10,000 lb (4535.9 kg)	\$255.00
*15,000 lb (6803.9 kg)	17958	1 1/4-7	1-12	15,000 lb (6803.9 kg)	\$995.00
**15,000 lb (6803.9 kg)	63166	1 1/4-7	1-14	15,000 lb (6803.9 kg)	\$945.00
**20,000 lb (9071.9 kg)	17959	1 1/2-6	1 1/4-12	20,000 lb (9071.9 kg)	\$895.00
Stainless Steel:					
500 lb (226.8 kg)	33630	3/8-16	3/8-24	500 lb (226.8 kg)	\$395.00
300 lb (136.1 kg)	33631	1/2-13	3/8-24	300 lb (136.1 kg)	\$395.00
500 lb (226.8 kg)	33632	3/8-16	1/4-28	500 lb (226.8 kg)	\$395.00
500 lb (226.8 kg)	33633	1/2-13	1/4-28	500 lb (226.8 kg)	\$395.00
2000 lb (907.2 kg)	33634	1/2-13	1/2-20	2000 lb (907.2 kg)	\$495.00
2500 lb (1134.0 kg)	33635	5/8-11	1/2-20	2500 lb (1134.0 kg)	\$495.00
3000 lb (1360.8 kg)	33636	3/4-10	1/2-20	3000 lb (1360.8 kg)	\$495.00
5000 lb (2268.0 kg)	33637	3/4-10	3/4-16	5000 lb (2268.0 kg)	\$695.00

Hardware kits do not include load cell

* Do not exceed the safe load ** Not electrically isolated

† For use with RL20000 - 15,000 lb load cell ** For use with RL20001 - 15,000 lb load cell

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

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Hardware and Accessories

SUREFOOT

- Replacement foot, adapts to most floor scales
- Use with single-ended beams to provide large, flat, adjustable introduction surface
- Special neoprene rubber sandwich base gives high accuracy, linearity and repeatability

PART #	MATERIAL	THREAD SIZE	BASE HT.	DIMENSIONS - INCHES (MM)				SUGGESTED LIST PRICE
				TOTAL HT.	DIAMETER			
18756.....	Stainless Steel	1/2-20 UNF	0.75 (19.1)	2.62 (66.5)	3.47 (88.1)			\$45.00
39021.....	Mild Steel	3/4-16 UNF-28	1.50 (38.1)	3.25 (82.3)	4.00 (101.6)			\$86.00



Flintec Adjustable Rubber Foot

- Designed for platform scales containing Flintec SLB load cell (capacity range 1000 lb to 5000 lb)
- Blind hole introduction
- Low profile
- Height adjustable by rotation

PART #	FOOT DIAMETER INCHES (MM)	HEIGHT* INCHES (MM)	SUGGESTED LIST PRICE
77561.....	3.14 (80)	2.32-2.64** (59-67.0)	\$35.00

* Adjustable

** Including spacer



Bench Scale Feet

Rubber Pad

- 1/4-20 NC threads

PART #	SUGGESTED LIST PRICE
35128.....	\$9.90 each



Stainless Steel

- 3/8-16 threads

PART #	SUGGESTED LIST PRICE
19141.....	\$3.85 each



Polyurethane Rubber Leveling Feet

- 3" (76.2 mm) overall height, all diameters
- Stainless steel stem for corrosion resistance
- Heavy-duty construction, low cost replacement feet
- Four standard diameters all with 1/2-20 UNF SS stud, slotted for top-access applications
- Stainless steel jam nut provided
- Top of stud is machined undersized 10% for easy alignment into load cell

PART #	FOOT DIAMETER INCHES (MM)	HEIGHT INCHES (MM)	SUGGESTED LIST PRICE
74585.....	1.87 (47.5)	3" (76.2)	\$25.00
74586.....	2.00 (50.8)	3" (76.2)	\$25.00
74587.....	2.50 (63.5)	3" (76.2)	\$25.00
73801.....	3.00 (76.2)	3" (76.2)	\$25.00



Hardware and Accessories

Carbon Steel Captured Ball Floor Scale Leveling Feet

- Bright zinc and clear chromate plating for corrosion-resistance
- Active ball suspension provides ideal load cell loading with maximum side load protection
- Hardened alloy steel with plated finish
- Includes two jam nuts, one for wrench access
- Top of stud is machined undersized 10% for easy alignment into load cell plus slotted for top-access applications



PART #	FOOT DIAMETER INCHES (MM)	THREAD SIZE INCHES (MM)	HEIGHT INCHES (MM)	SUGGESTED LIST PRICE
74578.....	1.87 (47.5)	1/2-20 UNF	3.5 (88.9)	\$37.00
74579.....	2.00 (50.8)	1/2-20 UNF	3.5 (88.9)	\$37.00
74580.....	2.50 (63.5)	1/2-20 UNF	3.5 (88.9)	\$37.00
74581.....	3.00 (76.2)	1/2-20 UNF	3.5 (88.9)	\$37.00
74582.....	3.00 (76.2)	3/4-16 UNF	4.5 (114.3)	\$47.00
74583.....	3.00 (76.2)	1-12 UNF	4.5 (114.3)	\$57.00
74584.....	3.00 (76.2)	1-14 UNF	4.5 (114.3)	\$57.00

Stainless Steel Captured Ball Floor Scale Leveling Feet

- Provides outstanding accuracy, repeatability, and performance
- Active ball suspension provides optimum load cell performance
- Hardened stainless steel material, welded, with polished finish
- Includes two stainless steel jam nuts, one for wrench access
- Top of stud is machined undersized 10% for easy alignment into load cell plus slotted for top-access applications



PART #	FOOT DIAMETER INCHES (MM)	THREAD SIZE INCHES (MM)	HEIGHT INCHES (MM)	SUGGESTED LIST PRICE
74572.....	1.87 (47.5)	1/2-20 UNF	3.5 (88.9)	\$55.00
74573.....	2.00 (50.8)	1/2-20 UNF	3.5 (88.9)	\$55.00
73800.....	2.50 (63.5)	1/2-20 UNF	3.5 (88.9)	\$55.00
74574.....	3.00 (76.2)	1/2-20 UNF	3.5 (88.9)	\$55.00
74575.....	3.00 (76.2)	3/4-16 UNF	4.5 (114.3)	\$65.00
74576.....	3.00 (76.2)	1-12 UNF	4.5 (114.3)	\$85.00
74577.....	3.00 (76.2)	1-14 UNF	4.5 (114.3)	\$85.00

Leveling Pads

- Replacement feet, adapt to most floor scales
- Available in cadmium-plated steel or stainless steel
- Simple "swivel" design
- Use with single-ended shear beams or bending beams to provide a large, flat load introduction surface



PART #	THREAD SIZE	HEIGHT INCHES (MM)	DIAMETER INCHES (MM)	SUGGESTED LIST PRICE
--------	-------------	-----------------------	-------------------------	-------------------------

Mild Steel:

18817.....	1/2-13 NC	1.12 (28.4)	1.87 (47.5)	\$25.00
18820.....	3/4-10 NC	1.50 (38.1)	3.00 (76.2)	\$44.00

Stainless Steel:

18818.....	1/2-13 NC	1.12 (28.4)	1.87 (47.5)	\$59.00
18833.....	3/4-10 NC	1.50 (38.1)	3.00 (76.2)	\$103.00

Used in conjunction with Leveling Pad Stems on page 358

Hardware and Accessories

Leveling Mount

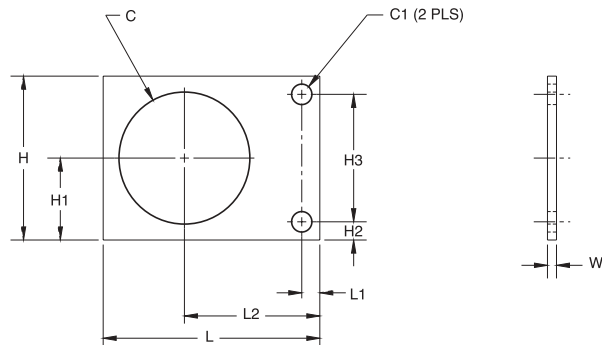
- Designed for use with some floor scales or machinery platforms.
Can be used as a replacement foot on the "SP" floor scale to limit vibrations transmitted to the scale through the floor
- Provides vibration isolation on most portable platforms



PART #	THREAD SIZE	HEIGHT INCHES (MM)	DIAMETER INCHES (MM)	SUGGESTED LIST PRICE
18819.....	1/2-13 NC.....	1.81 (46.0)	5.00 (127.0)	\$100.00

RoughDeck™ Scale Base Mounting Plates

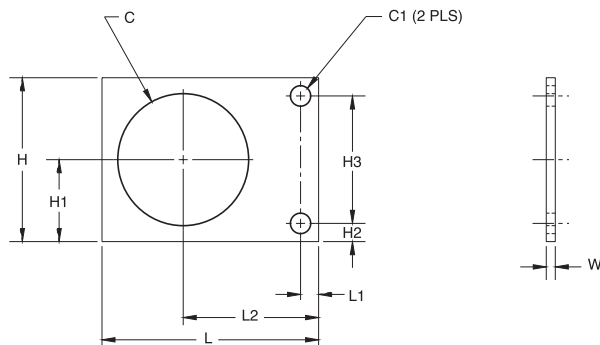
- Secures RoughDecks and other popular floor scales
- Prevents movement in horizontal plane
- Useful with SUREFOOT and other load cell foot assemblies
- Available in stainless steel and mild steel



PART #	MTL.	C	C1	H	DIMENSIONS - INCHES (MM)			L	L1	L2	W	SUGGESTED LIST PRICE
					H1	H2	H3					
19075.....	MS	3.62 (91.9) ..	0.56 (14.2) ..	4.50 (114.3) ..	2.25 (57.2) ..	0.50 (12.7) ..	3.50 (88.9) ..	6.00 (152.4) ..	0.50 (12.7) ..	3.75 (95.3) ..	0.25 (6.4) ..	\$15.00
19076.....	SS	3.62 (91.9) ..	0.56 (14.2) ..	4.50 (114.3) ..	2.25 (57.2) ..	0.50 (12.7) ..	3.50 (88.9) ..	6.00 (152.4) ..	0.50 (12.7) ..	3.75 (95.3) ..	0.25 (6.4) ..	\$18.00

DIGI® Summit 3000 Scale Base Mounting Plates

- Mounting plate for DIGI® Summit 3000 floor scales
- Available in mild steel painted DIGI® green



PART #	MTL.	C	C1	H	DIMENSIONS - INCHES (MM)			L	L1	L2	W	SUGGESTED LIST PRICE
					H1	H2	H3					
76149.....	MS	3.19 (81.0) ..	0.56 (14.2) ..	4.50 (114.3) ..	2.25 (57.2) ..	0.50 (12.7) ..	3.50 (88.9) ..	6.00 (152.4) ..	0.50 (12.7) ..	3.75 (95.3) ..	0.25 (6.4) ..	\$15.00

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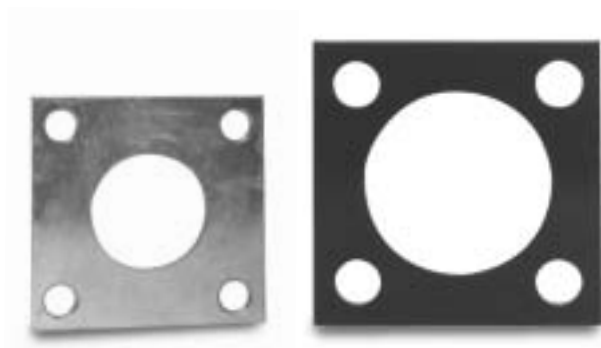
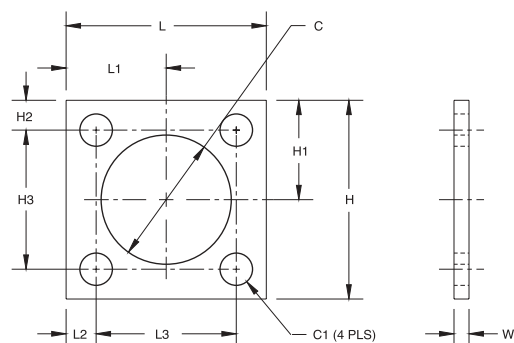
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Hardware and Accessories

Floor Scale Mounting Plates

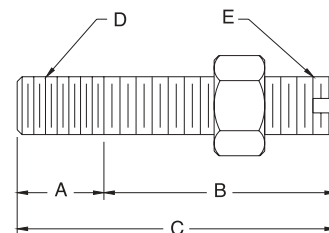
- Suitable for use with leveling pads
- Generic mounting plate for popular floor scales
- Fits most floor scale foot assemblies
- Available in stainless steel and mild steel (mild steel parts are zinc plated/painted)



PART #	DIMENSIONS - INCHES (MM)											SUGGESTED	
	C	C1	H	H1	H2	H3	L	L1	L2	L3	W	LIST PRICE	
Mild Steel:													
18737.....	2.00 (50.8)	0.53 (13.5)	4.00 (101.6)	2.00 (50.8)	0.50 (12.7)	3.00 (76.2)	4.00 (101.6)	2.00 (50.8)	0.50 (12.7)	3.00 (76.2)	0.25 (6.4)	\$8.00	
18738.....	3.25 (82.6)	0.81 (20.6)	5.00 (127.0)	2.50 (63.5)	0.75 (19.1)	3.50 (88.9)	5.00 (127.0)	2.50 (63.5)	0.75 (19.1)	3.50 (88.9)	0.38 (9.7)	\$9.00	
Stainless Steel:													
18751.....	2.00 (50.8)	0.53 (13.5)	4.00 (101.6)	2.00 (50.8)	0.50 (12.7)	3.00 (76.2)	4.00 (101.6)	2.00 (50.8)	0.50 (12.7)	3.00 (76.2)	0.25 (6.4)	\$32.00	

Leveling Pad Stems

- For use with leveling pads
- One jam nut included



PART #	DIMENSIONS - INCHES (MM)					SLOT	MATERIAL	SUGGESTED LIST PRICE
	A	B	C	D	E			
Mild Steel:								
17693.....	0.75 (19.1)	2.00 (50.8)	2.75 (69.9)	3/4-10 NC	3/4-16 NF	NO	1045	\$12.00
Stainless Steel:								
17689.....	0.50 (12.7)	1.50 (38.1)	2.00 (50.8)	1/2-13 NC	1/2-20 NF	YES	SS	\$12.00
17695.....	0.75 (19.1)	2.00 (50.8)	2.75 (69.9)	3/4-10 NC	3/4-16 NF	NO	SS	\$12.00

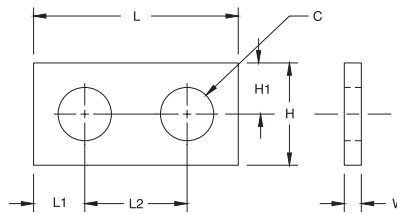
Used in conjunction with Leveling Pad on page 356

Warning: Do not use to suspend a load

Hardware and Accessories

Load Cell Spacers

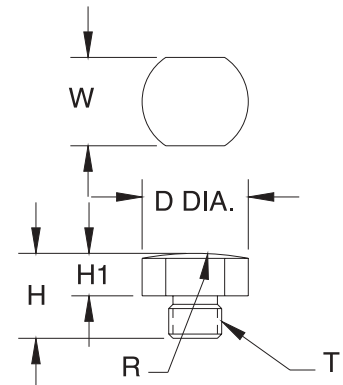
- Use with most popular single-ended beams
- Provides flat mounting surface required for optimum load cell performance
- Zinc-plated mild steel or stainless steel



PART #	DIMENSIONS - INCHES (MM)						SUGGESTED		LIST PRICE
	C	H	H1	L	L1	L2	W		
Mild Steel:									
17754.....	0.53 (13.4)	1.25 (31.8)	0.62 (15.7)	2.25 (57.2)	0.62 (15.7)	1.00 (25.4)	0.25 (6.4)	\$16.00	
17755.....	0.78 (19.8)	1.50 (38.1)	0.75 (19.1)	3.00 (76.2)	0.75 (19.1)	1.50 (38.1)	0.25 (6.4)	\$17.00	
17756.....	1.03 (26.2)	2.00 (50.8)	1.00 (25.4)	4.00 (101.6)	1.00 (25.4)	2.00 (50.8)	0.25 (6.4)	\$18.00	
18260.....	0.53 (13.4)	1.25 (31.8)	0.62 (15.7)	2.25 (57.2)	0.62 (15.7)	1.00 (25.4)	0.37 (9.4)	\$18.00	
Stainless Steel:									
17757.....	0.78 (19.8)	1.50 (38.1)	0.75 (19.1)	3.00 (76.2)	0.75 (19.1)	1.50 (38.1)	0.25 (6.4)	\$24.00	
18383.....	0.53 (13.4)	1.25 (31.8)	0.62 (15.7)	2.25 (57.2)	0.62 (15.7)	1.00 (25.4)	0.37 (9.4)	\$18.00	
18411.....	0.53 (13.4)	1.25 (31.8)	0.62 (15.7)	2.25 (57.2)	0.62 (15.7)	1.00 (25.4)	0.25 (6.4)	\$17.00	

Load Button

- Suitable for use with compression mounting assemblies, canisters, S-beams, and single-ended beams
- Hardened alloy steel

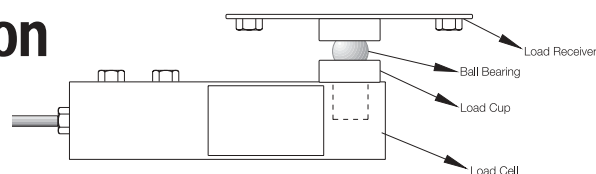


PART #	T	DIMENSIONS - INCHES (MM)					SUGGESTED	LIST PRICE
		D	H	H1	R	W		
17750.....	3/8-24 UNF	0.75 (19.1)	0.60 (15.2)	0.30 (7.6)	2.00 (50.8)	0.63 (16.0)	\$17.00	
17751.....	1/2-20 UNF	0.75 (19.1)	0.70 (17.8)	0.30 (7.6)	4.00 (101.6)	0.63 (16.0)	\$17.00	
17752.....	3/4-16 UNF	1.50 (38.1)	0.90 (22.9)	0.30 (7.6)	6.00 (152.4)	1.25 (31.8)	\$19.00	

Hardware and Accessories

Ball and Cup Load Introduction

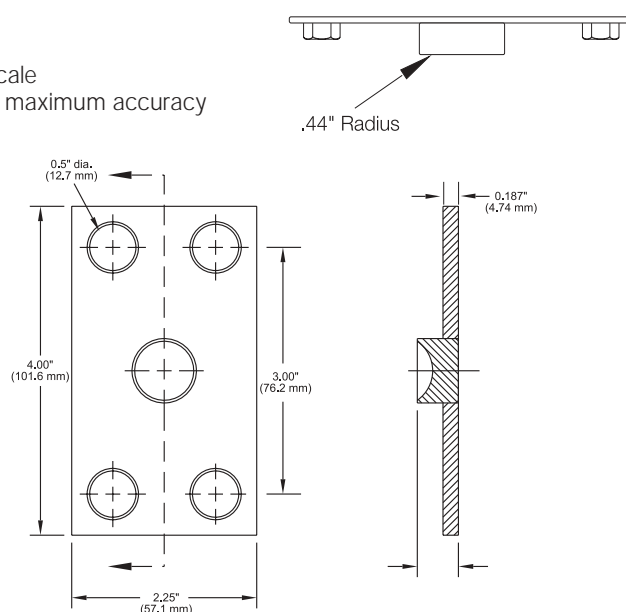
- Design offers accurate point loading
- Self-centering effect built in
- Ease of manufacture for custom applications



Load Receiver

- Use with load cup and ball bearings to build a custom scale
- Ball and cup load introduction provides point loading for maximum accuracy
- Stainless steel construction

PART #	SUGGESTED LIST PRICE
18832.....	\$40.00 each



Ball Bearings

- Use with load cup and load receiver to build a custom scale
- 52100 Chrome Alloy Steel

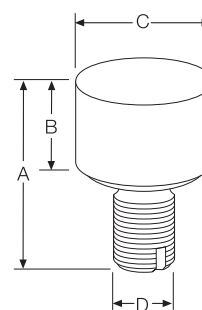
PART #	DIAMETER	SUGGESTED LIST PRICE
18815.....	5/8" crush strength 32,000 lbs.....	\$4.00
18816.....	7/8" crush strength 59,000 lbs.....	\$5.00



Load Cups

- Ball and cup load introduction provides point loading for maximum accuracy
- For use with most popular single-ended beams

PART #	DIMENSIONS - INCHES (MM)				SUGGESTED LIST PRICE
	A	B	C	D	
31911.....	1.70 (43.2).....	0.54 (13.7).....	1.07 (27.2).....	1/2-20 NF.....	\$35.00
33654.....	1.12 (28.4).....	0.54 (13.7).....	0.78 (19.8).....	1/2-20 NF.....	\$22.00
33653.....	1.50 (38.1).....	0.80 (20.3).....	1.12 (28.4).....	3/4-16 NF.....	\$24.00
33652.....	2.00 (50.8).....	0.85 (21.6).....	1.75 (44.5).....	1-12 NF.....	\$68.00
33651.....	2.85 (72.4).....	0.85 (21.6).....	1.75 (44.5).....	1-12 NF.....	\$95.00
33650.....	2.85 (72.4).....	0.85 (21.6).....	1.75 (44.5).....	1-14 NF.....	\$95.00
33647.....	2.75 (69.9).....	0.50 (12.7).....	0.75 (19.1).....	1/2-20 NF.....	\$30.00
72364.....	1.78 (45.2).....	0.53 (13.4).....	0.78 (19.8).....	1/2-20 NF.....	\$42.00



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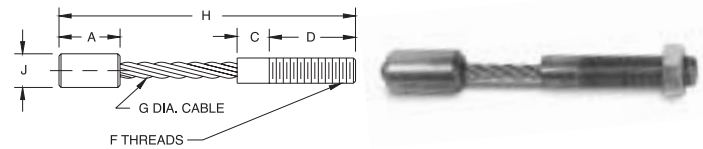
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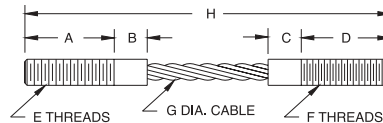
Hardware and Accessories

Wire Rope Assemblies

- Wire rope assemblies provide better alignment and greatly increase load cell repeatability. In addition, they act as natural vibration dampeners.



PART #	DIMENSIONS - INCHES (MM)							SAFE LOAD*	SUGGESTED LIST PRICE
	A	C	D	F	G	H	J		
17759.....	0.81 (20.6)	0.50 (12.7)	0.87 (22.1)	1/4-28 NF-2A	0.12 (3.0)	3.50 (88.9)	0.44 (11.2)	400 lb (181.4 kg)	\$24.00
17761.....	0.87 (22.1)	0.50 (12.7)	1.25 (31.8)	3/8-24 NF-2A	0.19 (4.8)	3.50 (88.9)	0.50 (12.7)	850 lb (385.6 kg)	\$22.00



PART #	DIMENSIONS - INCHES (MM)							SAFE LOAD*	SUGGESTED LIST PRICE
	A	B & C	D	E	F	G	H		
17760.....	0.87 (22.1)	0.50 (12.7)	0.87 (22.1)	1/4-20 NC-2A	1/4-28 NF-2A	0.12 (3.1)	4.00 (101.6)	400 lb (181.4 kg)	\$21.00
17762.....	1.25 (31.8)	0.50 (12.7)	1.25 (31.8)	3/8-16 NC-2A	3/8-24 NF-2A	0.18 (4.6)	5.00 (127.0)	850 lb (385.6 kg)	\$32.00
17766.....	1.62 (41.1)	0.50 (12.7)	1.62 (41.1)	1/2-13 NC-2A	1/2-20 NF-2A	0.25 (6.4)	6.50 (165.1)	1400 lb (635.0 kg)	\$32.00
17765.....	1.62 (41.1)	0.50 (12.7)	1.62 (41.1)	1/2-13 NC-2A	1/2-20 NF-2A	0.25 (6.4)	5.50 (139.7)	1400 lb (635.0 kg)	\$32.00
17764.....	1.00 (25.4)	-	1.37 (34.8)	1/2-20 NF-2A	1/2-20 NF-2A	0.25 (6.4)	4.00 (101.6)	1400 lb (635.0 kg)	\$36.00
17768.....	2.00 (50.8)	-	2.50 (63.5)	3/8-24 NF-2A	3/8-24 NF-2A	0.12 (3.1)	5.50 (139.7)	400 lb (181.4 kg)	\$45.00
17769**.....	1.25 (31.8)	-	0.75 (19.1)	1/4-28 NF-2A	1/4-28 NF-2A	0.12 (3.1)	3.00 (76.2)	400 lb (181.4 kg)	\$30.00
17770**.....	1.25 (31.8)	-	0.75 (19.1)	1/2-20 NF-2A	1/2-20 NF-2A	0.18 (4.6)	3.00 (76.2)	850 lb (385.6 kg)	\$30.00
17771**.....	1.25 (31.8)	-	0.75 (19.1)	1/2-20 NF-2A	1/2-20 NF-2A	0.25 (6.4)	3.00 (76.2)	1400 lb (635.0 kg)	\$45.00

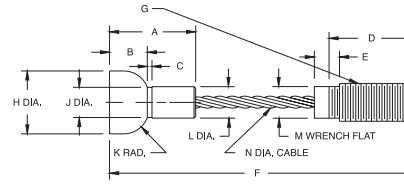
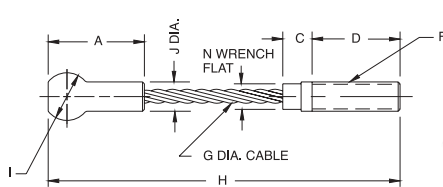
* Do not exceed the safe load

** Used with Rice Lake Weighing Systems Flexure Bases

Cardinal Wire Rope Replacement Assemblies

EL208 Cardinal wire rope assembly. Used on 7,500 lb (3402.0 kg) capacity FH model and 8,000 lb (3628.7 kg) capacity EP model.

EL209 Cardinal wire rope assembly. Used on 20,000 lb (9071.9 kg) capacity FH and EP models. May also be used on 15,000 lb (6803.9 kg) capacity FH and EP models.



Part # 17763 EL208

Part # 17767 EL209

PART #	DIMENSIONS - INCHES (MM)												SUGGESTED LIST PRICE
	A	B	C	D	E	F	G	H	I	J	K	L & M	
17763.....	1.50 (38.1)	-	0.50 (12.7)	1.50 (38.1)	-	1/2-13 NC	0.25 (6.4)	6.00 (152.4)	0.81 (20.6)	0.43 (10.9)	-	0.43 (10.9)	\$45.00
17767.....	1.71 (43.4)	0.75 (19.1)	0.09 (2.3)	2.00 (50.8)	0.43 (10.9)	6.31 (160.3)	3/4-10 UNC-2A	1.25 (31.8)	-	0.60 (15.2)	0.50 (12.7)	0.625 (15.9)	\$50.00

Custom Wire Ropes

- Custom wire ropes are available for your specific applications
- When ordering, please supply us with the specifications listed at right, a sample if possible, the required tension rating and total capacity

Style Wire Rope*

A ... Thread Length	F ... Threads	K ... Safe Load
B ... Shank Length	G ... Rope Diameter	L ... Environment
C ... Shank Length	H ... Overall Length	M ... Application
D ... Thread Length	I ... Ball Diameter	
E ... Threads	J ... Shank Diameter	

* Use drawings above for reference

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

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Hardware and Accessories

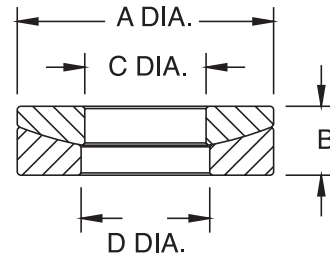
Spherical Washer Sets



PART #	BOLT SIZE	DIMENSIONS - INCHES (MM)				SUGGESTED LIST PRICE
		A	B	C	D	
Mild Steel:						
15196.....	0.25 (6.4).....	0.62 (15.8).....	0.20 (5.1).....	0.28 (7.1).....	0.31 (7.9).....	\$4.50
15197.....	0.38 (9.7).....	0.88 (22.4).....	0.25 (6.4).....	0.41 (10.4).....	0.44 (11.2).....	\$6.00
15198.....	0.50 (12.7).....	1.12 (28.5).....	0.31 (7.9).....	0.53 (13.5).....	0.56 (14.2).....	\$8.00
15199.....	0.62 (15.8).....	1.38 (35.1).....	0.31 (7.9).....	0.66 (16.8).....	0.69 (17.5).....	\$9.00
15200.....	0.75 (19.1).....	1.62 (41.1).....	0.38 (9.7).....	0.78 (19.8).....	0.81 (20.6).....	\$14.00
15201.....	1.00 (25.4).....	2.00 (50.8).....	0.50 (12.7).....	1.06 (26.9).....	1.12 (28.5).....	\$23.00
15202.....	1.25 (31.8).....	2.62 (66.6).....	0.50 (12.7).....	1.31 (33.3).....	1.38 (35.1).....	\$32.00
15203.....	1.50 (38.1).....	2.88 (73.2).....	0.53 (13.5).....	1.56 (39.6).....	1.62 (41.1).....	\$59.00
15204.....	1.75 (44.5).....	3.25 (82.6).....	0.69 (17.5).....	1.81 (46.0).....	1.88 (47.8).....	\$82.00
15205.....	2.00 (50.8).....	3.88 (98.6).....	0.81 (20.6).....	2.06 (52.3).....	2.12 (53.8).....	\$90.00

Stainless Steel:

33218.....	0.50 (12.7).....	1.12 (28.5).....	0.31 (7.9).....	0.53 (13.5).....	0.56 (14.2).....	\$11.50
33220.....	0.75 (19.1).....	1.62 (41.1).....	0.38 (9.7).....	0.78 (19.8).....	0.81 (20.6).....	\$21.00



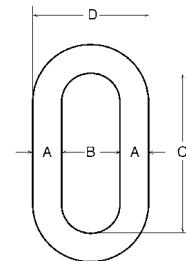
Weldless End Links

- Self colored or hot-dip galvanized
- Forged carbon steel—quenched and tempered



PART #	DIMENSIONS - INCHES (MM)				SAFE LOAD*	SUGGESTED LIST PRICE
	A	B	C	D		
F312L.....	0.625 (15.9).....	1.00 (25.4).....	3.25 (82.6).....	2.32 (58.9).....	9300 lb (4218.4 kg).....	\$23.00
17810.....	0.875 (22.2).....	2.00 (50.8).....	5.13 (130.3).....	3.75 (95.3).....	12,000 lb (5443.1 kg).....	\$63.00
21911.....	1.00 (25.4).....	2.25 (57.2).....	5.75 (146.1).....	4.25 (108.0).....	15,200 lb (6894.6 kg).....	\$85.00
65430.....	1.25 (31.8).....	2.50 (63.5).....	7.00 (177.8).....	5.00 (127.0).....	26,400 lb (11,974.9 kg).....	\$105.00
21912.....	1.375 (34.9).....	2.75 (69.9).....	7.75 (196.9).....	5.50 (139.7).....	30,000 lb (13,607.8 kg).....	\$255.00

* Do not exceed the safe load



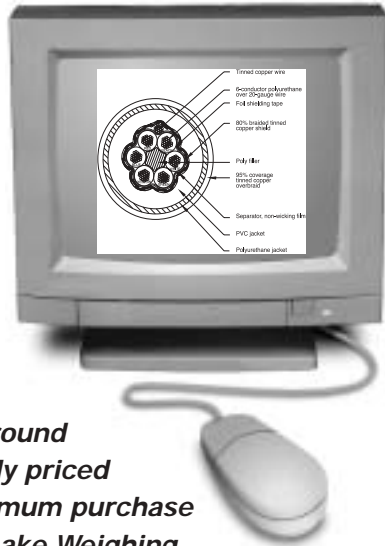
Hardware and Accessories

Complete Custom Cable Services

Special cable requirements?

Custom-built cable designed specifically for your application.

Choose from the following design elements, and Rice Lake Weighing Systems will build a cable to your specifications.



- **Quick turnaround**
- **Competitively priced**
- **5000 ft minimum purchase**
- **Call a Rice Lake Weighing Systems sales representative to begin the design process!**

Jacket Material:

- PVC
- Polyurethane
- Double-jacketed

Conductors:

- Unlimited number
- Twisted pairs
- Color code
- Gauge

Shielding:

- Braided
- Foil

Jacket Colors:

- Black, brown, green, orange, red, blue, yellow, gray, natural

Ink Colors:

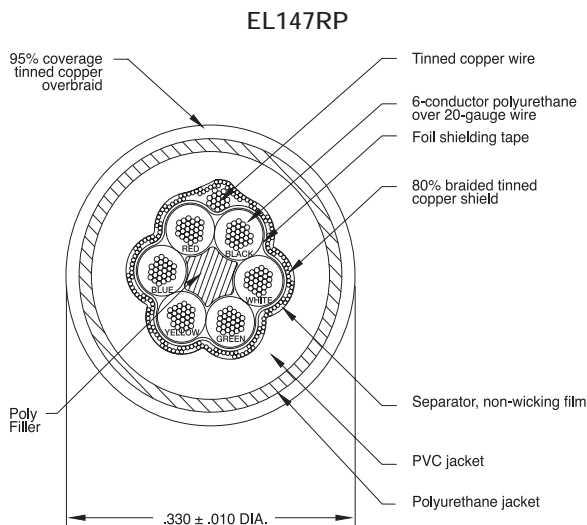
- Black, white, silver, orange
- Custom logos

Approvals:

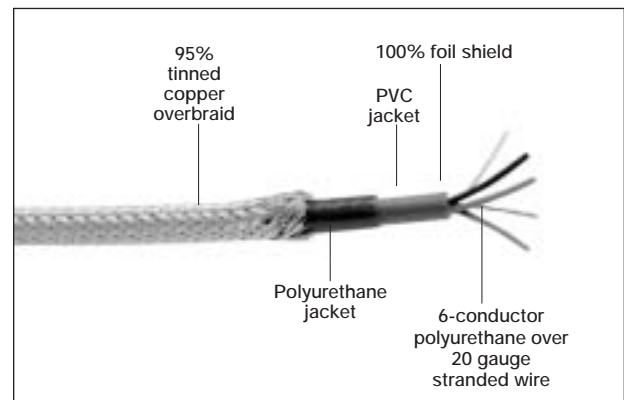
- UL listed
- CSA

EL147RP Rodent Protection Cable

- Tinned copper overbraid provides superior rodent and abrasion deterrent
- Enhanced EMI/RFI protection
- 6-conductor industry-standard color code
- Ideal for truck and railroad track scales
- Diameter: 0.33" (8.38 mm)



PART #	DESCRIPTION - CONTINUOUS FEET (M)/ROLL	SUGGESTED LIST PRICE
31475.....	Custom length..... 6-Conductor Hostile Environment Cable	\$3.00/ft
53205.....	50 (15.3)..... 6-Conductor Hostile Environment Cable	\$140.00
53204.....	100 (30.5)..... 6-Conductor Hostile Environment Cable	\$275.00
53206.....	250 (76.2)..... 6-Conductor Hostile Environment Cable	\$700.00
53207.....	500 (152.4)..... 6-Conductor Hostile Environment Cable	\$1,400.00
53208.....	1000 (304.8)..... 6-Conductor Hostile Environment Cable	\$2,700.00



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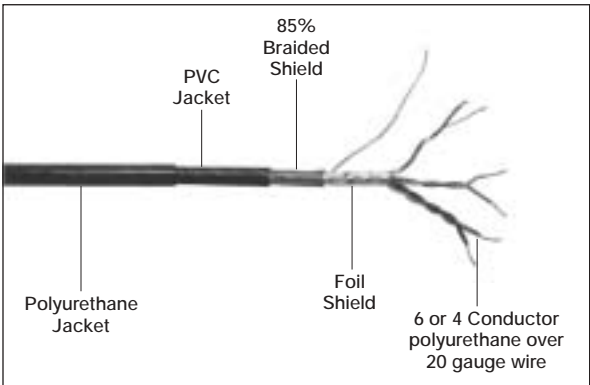
Hardware and Accessories

Hostile Environment Load Cell Cable

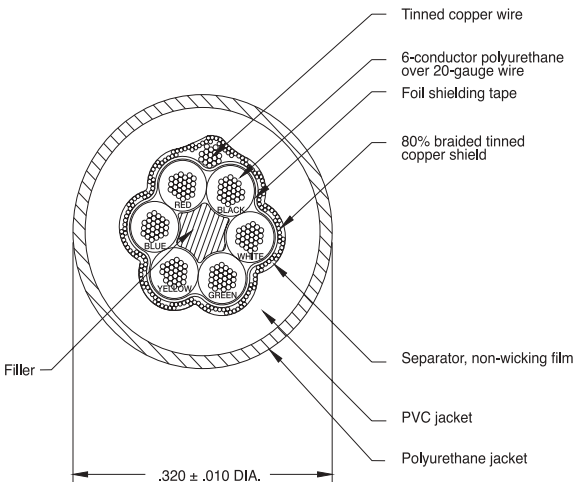
EL146HE—4-Wire Load Cell Cable

EL147HE—6-Wire Load Cell Cable

- Designed for use in hostile environments
- Polyurethane jacketing provides superior chemical and abrasion resistance
- RFI and EMI protected with foil overbraid shield
- Unmatched durability, yet extremely flexible
- All conductors are industry-standard color coded
- Diameter—EL146HE: 0.28" (7.1 mm); EL147HE: 0.32" (8.1 mm)
- The 6-wire cable is best suited for longer runs where remote sense lines can be used
- Use the 4-wire cable for repairing or extending existing cable



PART #	DESCRIPTION - CONTINUOUS FEET (M)/ROLL		SUGGESTED LIST PRICE
15510.....100	(30.5)	4-Conductor Hostile Environment Cable	\$132.00
15511.....250	(76.2)	4-Conductor Hostile Environment Cable	\$315.00
15512.....500	(152.4)	4-Conductor Hostile Environment Cable	\$620.00
15513.....1000	(304.8)	4-Conductor Hostile Environment Cable	\$1,150.00
15494.....Custom Length		4-Conductor Hostile Environment Cable	\$1.35/ft
15520.....100	(30.5)	6-Conductor Hostile Environment Cable	\$170.00
15521.....250	(76.2)	6-Conductor Hostile Environment Cable	\$412.00
15522.....500	(152.4)	6-Conductor Hostile Environment Cable	\$800.00
15523.....1000	(304.8)	6-Conductor Hostile Environment Cable	\$1,580.00
15496.....Custom Length		6-Conductor Hostile Environment Cable	\$1.80/ft



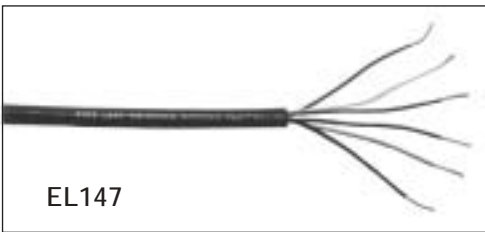
Standard Load Cell Cable

EL146—4-Wire Load Cell Cable

EL147—6-Wire Load Cell Cable

- 20 AWG tinned copper wire stranded for flexibility
- Braided shielding is encased in red PVC
- All conductors are industry-standard color coded
- Diameter—EL146: 0.25" (6.4 mm); EL147: 0.29" (7.4 mm)
- The 6-wire cable is best suited for longer runs where remote sense lines can be used
- Use the 4-wire cable for repairing or extending existing cable

PART #	DESCRIPTION - CONTINUOUS FEET (M)/ROLL		SUGGESTED LIST PRICE
15505.....100	(30.5)	4-Conductor Cable	\$75.00
15506.....250	(76.2)	4-Conductor Cable	\$180.00
15507.....500	(152.4)	4-Conductor Cable	\$350.00
15508.....1000	(304.8)	4-Conductor Cable	\$660.00
15493.....Custom Length		4-Conductor Cable	\$0.80/ft
15515.....100	(30.5)	6-Conductor Cable	\$148.00
15516.....250	(76.2)	6-Conductor Cable	\$360.00
15517.....500	(152.4)	6-Conductor Cable	\$690.00
15518.....1000	(304.8)	6-Conductor Cable	\$1,340.00
15495.....Custom Length		6-Conductor Cable	\$1.50/ft

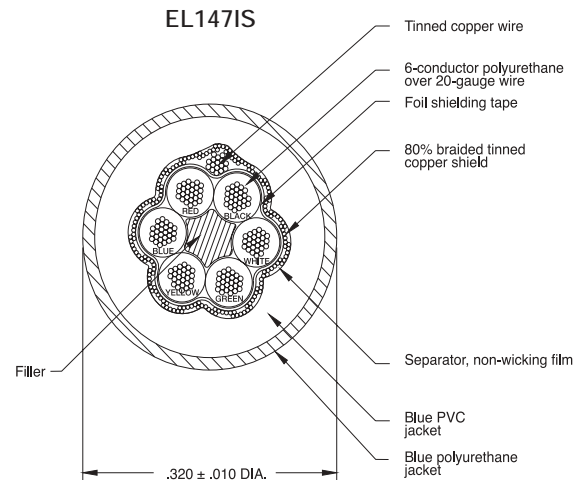
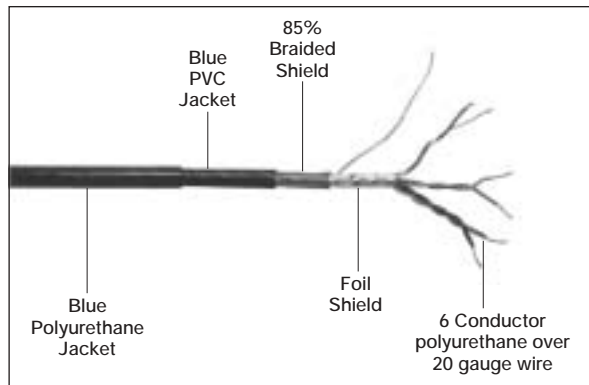


Hardware and Accessories

EL147IS Hazardous Environment Blue Jacket Cable

- Designed for intrinsically safe applications (must be wired according to Factory Mutual System-approved diagram)
- Polyurethane over PVC double jacketing provides superior chemical and abrasion resistance
- Both foil and braided wire shields for added RFI and EMI protection
- 6 conductors are industry-standard color coded
- Diameter— 0.32" (8.1 mm)
- Suited for longer runs where remote sense lines can be used

PART #	DESCRIPTION	SUGGESTED LIST PRICE
32817.....	EL147IS.....	\$2.50/ft



EL144 Communications Cable

- 2-conductor with bare ground
- RFI/EMI protected with foil shield
- Perfect for RS-232, 2-wire RS-485, and 20 mA current loop communications
- Diameter: 0.19" (4.8 mm)

PART #	DESCRIPTION	SUGGESTED LIST PRICE
32803.....	EL144.....	\$0.50/ft
72072.....	EL144, 500 ft.....	\$200.00
72693.....	EL144, 1000 ft.....	\$380.00

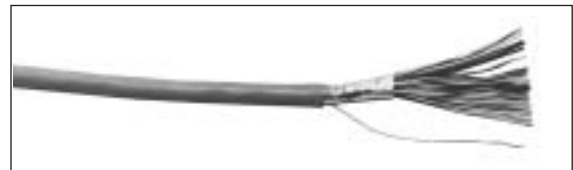


Now Available
in 500, &
1000 ft Rolls

BCD Cable

- Sheathed in gray PVC
- Mylar aluminum foil shield with stranded tinned copper drain wire
- Diameter: 0.375" (9.5 mm)

PART #	DESCRIPTION	SUGGESTED LIST PRICE
15497.....	BCD, 24 AWG, 30-conductor.....	\$9.00/ft
77411.....	BCD, 24 AWG, 37-conductor.....	\$7.50/ft



Hardware and Accessories

SURVIVOR® EL620HE High Temperature Cable

- Multiconductor overall foil and braid shield
- Suitable for high temperatures up to 392°F (200°C)
- Insulation thickness - 0.010" (0.25 mm)
- Jacket thickness - 0.017" (0.43 mm)
- 18 gauge, tinned copper conductors
- Teflon® jacket, resistant to chemical corrosion and high temperature
- Beldfoil aluminum-polyester shield with 85% tinned copper braid shield
- 150V NEC 725 Class 2 classified for use in an airplenum non-conduit

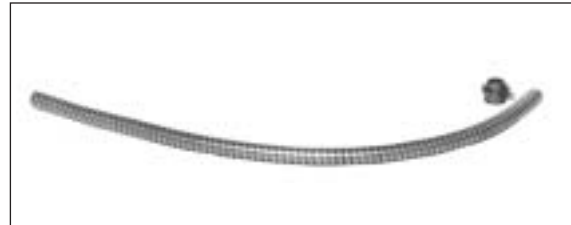
Teflon is a registered trademark of E.I. DuPont.



PART #	DESCRIPTION	SUGGESTED LIST PRICE
15605.....	EL620HE	\$5.00/ft

SURVIVOR® Cable Armor

- Flexible all metal protective armor
- Ideal for protecting load cell cable from mechanical abrasion or rodents
- Available in stainless steel and galvanized steel
- 0.5" (12.7 mm) internal diameter, 2.0" (50.8 mm) minimum bend radius
- Optional end fitting with 1/2" male pipe thread



PART #	DESCRIPTION	SUGGESTED LIST PRICE
17808.....	Galvanized steel.....	\$1.95/ft
17806.....	Stainless steel.....	\$3.95/ft
17807.....	Optional end fitting.....	\$1.00 each

Load Cell Conduit Adapters

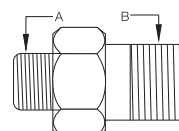
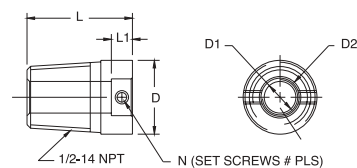
- Used to adapt conduit to load cells
- 303 stainless steel

PART #	DIMENSIONS - INCHES (MM)					SUGGESTED LIST PRICE
	D	D1	D2	L	L1	
17680*	1.38 (35.1)	0.44 (11.2)	1.00 (25.4)	1.69 (42.9)	0.72 (18.3)	\$35.00
17681.....	0.85 (21.6)	0.38 (9.7)	0.44 (11.2)	1.25 (31.8)	0.38 (9.7)	\$25.00

* Discontinued; limited to quantities on hand

PART #	DIMENSIONS		SUGGESTED LIST PRICE
	A	B	
31533.....	3/8-24 UNF	—	\$25.00
31534.....	—	1/4-18 NPT	\$25.00
31535.....	5/8-18 UNF	1/2-14 NPT	\$35.00

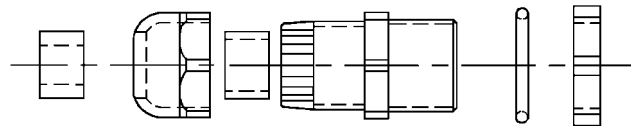
Note: 31533 and 31534 are used together to form male-to-male adapter



Hardware and Accessories

Cord Grip Assemblies

- Assemblies include cord grip, locknut, "O"-ring seal, gray and black reducer glands
- Fittings are made of weather- and corrosion-resistant nylon



PART #	THREAD	PANEL HOLE DIAMETER-INCHES (MM)	GLAND CABLE RANGES—INCHES (MM)		SUGGESTED LIST PRICE
			REGULAR (BLACK)	REDUCER (GRAY)	
15669.....	PCN9	0.625 (15.9).....	157 - .314 (4.0 - 8.0).....	.118 - .236 (3.0 - 6.0).....	\$3.50
15670.....	3/8 NPT	0.687 (17.4).....	157 - .314 (4.0 - 8.0).....	.118 - .236 (3.0 - 6.0).....	\$3.50
15671.....	1/2 NPT	0.844 (21.4).....	236 - .472 (6.0 - 12.0).....	.200 - .354 (5.1 - 9.0).....	\$3.50

EL214 Cable Splicing Kit

- Designed for a complete, professional transducer cable splice
- Prevents moisture from entering the load cell through the cable connector
- Each kit contains a high-impact plastic splicing box, liquid-tight cable fittings, circuit card, Teflon® sleeving, premeasured potting compound and complete instructions



SPECIFICATIONS:

Dimensions:	3.00" W x 1.00" H x 1.50" D (76.2 mm W x 25.4 mm H x 38.1 mm D)
Mounting Centers:	2.50" (63.5 mm)
Number of Connections:	7
Cable Diameter:	0.187"-0.312" (4.7 mm-7.9 mm)
Cure Time For Potting:	Epoxy-Polyamide resin cures in 2 hours at 73°F (23°C)

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

PART #	DESCRIPTION	SUGGESTED LIST PRICE
15485.....	EL214	\$70.00

EL214T Cable Splicing Kit

- Designed to accommodate cables larger than the EL214; all other dimensions and performance features are the same



SPECIFICATIONS:

Dimensions:	3.00" W x 1.00" H x 1.50" D (76.2 mm W x 25.4 mm H x 38.1 mm D)
Mounting Centers:	2.50" (63.5 mm)
Number of Connections:	7
Cable Diameter:	0.270"-0.480" (6.9 mm-12.2 mm)
Cure Time For Potting:	Epoxy-Polyamide resin cures in 2 hours at 73°F (23°C)

PART #	DESCRIPTION	SUGGESTED LIST PRICE
15486.....	EL214T	\$80.00

Hardware and Accessories

EL215 Cable Splicing Kit

- Designed for use in weather-exposed or direct-burial locations
- Each kit contains plastic splicing tube, circuit board, insulating resin and instructions

SPECIFICATIONS:

Dimensions:	1.375" dia x 6.0" long (34.9 mm dia x 152.4 mm)
Number of Connections:	7
Cable Diameter:	up to .75" (19.1 mm)
Cure Time For Potting:	2 hours at 70°F (21°C)



PART #	DESCRIPTION	SUGGESTED LIST PRICE
15612.....	EL215.....	\$50.00

Flintec Load Cell Cable Replacement Kits

- Each kit includes cable for four Flintec SB4 or UB1 load cells as listed

PART #	DESCRIPTION	CABLE LENGTH EA. FEET (M)	SUGGESTED LIST PRICE
18412.....	For SB4, 225-5200lb (102.1-2358.7kg)	10' (3.1 m).....	\$295.00
18413.....	For SB4, 11250 - 22,500 lb	15' (4.6 m).....	\$325.00
18414.....	For UB1	20' (6.1 m).....	\$365.00



Hardware and Accessories

Load Cell and Indicator Connectors

- For quick, secure cable connectors, use these 5-pin, 6-pin and 7-pin MS-type connectors with shellplugs and receptacles. Finished in olive drab, these are the same type of connectors used on many digital weight indicators. Dust caps are also available for each connector.

5-POSITION CONNECTORS, SHELLPLUGS, RECEPTACLES



6-POSITION CONNECTORS, SHELLPLUGS, RECEPTACLES



7-POSITION CONNECTORS, SHELLPLUGS, RECEPTACLES



PART #	DESCRIPTION	SUGGESTED LIST PRICE
15753.....	5-pin, external thread	\$23.00
15722.....	5-socket, internal thread.....	\$24.00
15723.....	5-pin, internal thread	\$23.00
15757.....	5-socket, external thread.....	\$29.00
15754.....	5-pin chassis mount, external thread.....	\$16.00
15758.....	5-socket chassis mount, external thread	\$16.00
15730.....	Dust cap for ext. thread 5-position connector.....	\$6.00
15731.....	Dust cap for int. thread 5-position connector.....	\$11.00
15759.....	6-pin, external thread, male	\$24.00
60124.....	6-socket, internal thread connector, female fits Toledo load cells, Condec indicators	\$18.50
15727.....	6-pin, internal thread, male	\$23.00
15724.....	6-socket, external thread	\$27.00
15726.....	6-pin chassis mount, external thread	\$15.50
15760.....	6-socket chassis mount, external thread	\$15.00
15730.....	Dust cap for ext. thread 6-position connector.....	\$6.00
15731.....	Dust cap for int. thread 6-position connector.....	\$11.00
15761.....	7-pin, external thread	\$25.00
15756.....	7-socket, internal thread.....	\$27.00
15729.....	7-pin, internal thread	\$27.00
15728.....	7-socket, external thread	\$27.00
15755.....	7-pin chassis mount, external thread	\$16.00
15762.....	7-socket chassis mount, external thread	\$19.00
15732.....	Dust cap for ext. thread 7-position connector.....	\$12.00
15733.....	Dust cap for int. thread 7-position connector.....	\$16.00

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Hardware and Accessories

Simulator 1

STANDARD FEATURES

- The ultra-stable bridge used in Simulator 1 was originally developed for testing long-term stability of new indicators
- Precision resistors, wound from the same coil of wire, are carefully matched so they will absolutely track each other
- Compact waterproof packaging makes the simulator rugged enough to carry in your tool box
- Binding posts are color-coded to ISA S37.8 standard

SPECIFICATIONS

Fixed Ranges:	1.0 mV/V, 2 mV/V
Impedance:	350 ohms \pm .1%
Nonlinearity:	Less than .05%
Temperature Coefficient:	5 ppm/ $^{\circ}$ C maximum
Dimensions:	4.00" W x 2.00" H x 1.50" D (101.6 mm W x 50.8 mm H x 38.1 mm D)



PART #	DESCRIPTION	SUGGESTED LIST PRICE
21113.....	Simulator 1	\$130.00
21116.....	Optional cable assembly	\$55.00

Simulator 2 with Variable Ranges

STANDARD FEATURES

- Designed for checking setpoint operation, display blanking or other functions
- The coarse or fine variable range may be used in conjunction with any of the three fixed ranges, or it can be turned off
- A fine zero potentiometer is provided to allow zeroing without disturbing the zero adjustments of the indicator being tested

SPECIFICATIONS

Fixed Ranges:	1.0 mV/V, 2 mV/V
Variable Ranges:	0 to \pm 1 mV/V, 0 to \pm .4 mV/V
Impedance:	350 ohms \pm .1%
Nonlinearity:	Less than .05%
Temperature Coefficient:	5 ppm/ $^{\circ}$ C maximum
Dimensions:	6.25" W x 3.75" H x 2.00" D (158.8 mm W x 95.3 mm H x 50.8 mm D)



PART #	DESCRIPTION	SUGGESTED LIST PRICE
21114.....	Simulator 2	\$325.00
21116.....	Optional cable assembly	\$55.00

Hardware and Accessories

Transducer Simulator 3

STANDARD FEATURES

- Designed for use in testing, troubleshooting and calibrating digital weight indicators and systems
- Perfect for "bench testing" setpoint systems
- Economical and easy to operate
- Vernier range – 106% of selected step
- 3' (0.9 m) test cable assembly included

SPECIFICATIONS

Variable Range:	0 - 3mV/V in six 0.5mV/V steps
Impedance:	350 ohms \pm 0.05%
Nonlinearity:	Less than .05%
Temperature Coefficient:	\pm 5 ppm/ °C
Dimensions:	6.25" W x 3.75" H x 2.00" D (158.8 mm W x 95.2 mm H x 50.8 mm D)



PART #	DESCRIPTION	SUGGESTED LIST PRICE
21115.....	Simulator 3	\$475 .00
21116.....	Optional cable assembly	\$55.00

Transducer Simulator 4

STANDARD FEATURES

- Designed for high accuracy
- Sealed lid with neoprene "O"-ring. If secured properly, the Transducer Simulator 4 is completely waterproof
- Dustproof and crush tested to 500 lb
- Four operational modes including vernier adjustment, calibrated adjustment, 0.25 mV offset and 0.50 mV offset
- Ideal for setpoint or batching simulation

SPECIFICATIONS

Maximum Voltage:	15 volts
Bridge Type:	175 ohm star
Linearity:	Less than \pm .02% full scale
Temperature Coefficient:	Absolute 5 ppm/ °C; Tracking less than 0.5 ppm/°C
Variable Ranges:	Choose any fixed setting \pm 0.25 mV or 0.50 mV through a 10-turn wire-wound potentiometer with locking clutch
Load Factors:	Simulates 1, 2, 3, 4 or 8 350-ohm load cells or 2, 4, 6, 8 or 16 700-ohm load cells
Calibrated Offset:	+0.25 mV/V for use with digitally calibrated meters requiring positive dead load for calibration
Connectors:	Six-way binding posts, suitable for loose wires or banana jacks



PART #	DESCRIPTION	SUGGESTED LIST PRICE
22513.....	Simulator 4	\$645 .00
37300.....	Additional operating manual.....	No charge

Hardware and Accessories

Ranger 1 Variable Range Simulator

STANDARD FEATURES

- ABS plastic case, weighs less than 1 lb
- Large vernier knob, smooth 10 turn potentiometer
- Ideal tool for trouble shooting a scale system, bench testing stability of indicators and setpoint simulation
- Binding posts are color coded to ISA S37.8 standard

SPECIFICATIONS

Variable Range: 0 - 3 mV/V
Impedance: 700 ohms nominal
Connectors: Binding posts - suitable for banana plug or 14 gauge wire
Temperature Coefficient: ± 100 ppm/ $^{\circ}\text{C}$
Dimensions: 4.5" L x 3.5" W x 1.25" H
(114.3 mm W x 88.9 mm H x 31.8 mm D)



PART #	DESCRIPTION	SUGGESTED LIST PRICE
68029.....	Ranger 1 Variable Range Simulator.....	\$130.00

Ranger 3 Calibration Simulator

STANDARD FEATURES

- ABS plastic case, weighs less than 1 lb
- Fixed Rotary switch, -0.5 mV/V to 4.5 mV/V in 9 steps of .5 mV/V per step
- Ideal tool for calibrating the Indicator A-D offset and gain setting
- A-D Calibration steps for -0.5 mV/V for offset and 4.5 mV/V for gain
- Used in testing, troubleshooting and calibrating digital weight indicators
- Binding posts are color coded to ISA S37.8 standard

SPECIFICATIONS

Fixed Steps: -0.5 mV/V - 4.5 mV/V range
Impedance: 350 ohms nominal
Nonlinearity: Less than .02%
Connectors: Binding posts - suitable for banana plug or 14 gauge wire
Temperature Coefficient: ± 5 ppm/ $^{\circ}\text{C}$
Dimensions: 4.5" L x 3.5" W x 1.25" H
(114.3 mm W x 88.9 mm H x 31.8 mm D)



PART #	DESCRIPTION	SUGGESTED LIST PRICE
68030.....	Ranger 3 Calibration Simulator.....	\$345.00

Hardware and Accessories

Ranger 5 Calibration Simulator

STANDARD FEATURES

- ABS plastic case, weighs less than 1 lb
- Fixed rotary switch, -0.5 mV/V to 4.5 mV/V in 9 steps of .5 mV/V per step
- 10 turn vernier with locking graduated dial
- Vernier selection of 4 ranges: Off, Fine, Medium and Coarse
- Ideal tool for calibrating indicator A-D offset and gain setting
- A-D calibration steps for -0.5 mV/V for offset and 4.5 mV/V for gain
- Used in testing, troubleshooting and calibrating digital weight indicators
- Binding posts are color coded to ISA S37.8 standard



SPECIFICATIONS

Fixed Steps:	-0.5 mV/V – 4.5 mV/V range
Vernier:	Variable range: up to 0.5 mv/v, up to 1 mV/V, up to 1.5 mV/V
Impedance:	350 ohms nominal
Nonlinearity:	Less than .02%
Connectors:	Binding posts – suitable for banana plug or 14 gauge wire
Temperature Coefficient:	±5 ppm/ °C
Dimensions:	4.5" L x 3.5" W x 1.25" H (114.3 mm W x 88.9 mm H x 31.8 mm D)

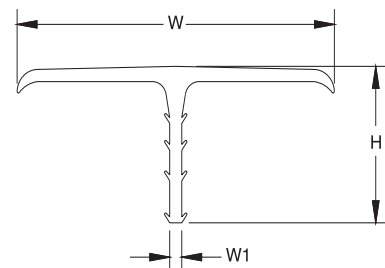
PART #	DESCRIPTION	SUGGESTED LIST PRICE
68031.....	Ranger 5 Calibration Simulator.....	\$445.00

T-Grip Molding

- Designed for use in truck scale applications to prevent spill-over into the pit
- Impact-, tear-, and weather-resistant EPDM rubber
- Barbed web to hold molding in place
- Available by the foot or in 10.0' (3.1 m), 11.0' (3.4 m), 70.0' (21.34 m), 80.0' (24.4 m) and 100.0' (30.5 m) lengths. Maximum continuous length is 100.0' (30.5 m)
- Web thickness .22" (5.6 mm)



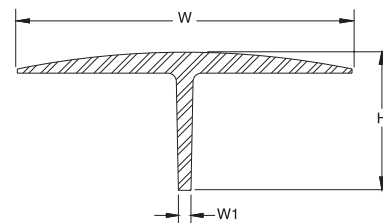
PART #	DIMENSIONS - INCHES (MM)			LENGTH	SUGGESTED LIST PRICE
	H	W	W1		
18799.....	2.56 (65.0).....	5.75 (146.1).....	0.22 (5.6).....	Sold by the foot	\$5.50/ft
18800.....	2.56 (65.0).....	5.75 (146.1).....	0.22 (5.6).....	10' (3.05m)	\$55.00
18801.....	2.56 (65.0).....	5.75 (146.1).....	0.22 (5.6).....	11' (3.35m)	\$60.50
18802.....	2.56 (65.0).....	5.75 (146.1).....	0.22 (5.6).....	70' (21.34m)	\$375.00
33219.....	2.56 (65.0).....	5.75 (146.1).....	0.22 (5.6).....	80' (24.4m)	\$400.00
33222.....	2.56 (65.0).....	5.75 (146.1).....	0.22 (5.6).....	100' (30.5m)	\$495.00



Hardware and Accessories

T-Strip Molding

- Designed for use in truck scale applications to prevent spill-over into the pit
- Impact-, tear-, and weather-resistant SBR rubber
- Available by the foot or in 10.0' (3.1 m), 11.0' (3.4 m), 70.0' (21.34 m), 80.0' (24.4 m) and 100.0' (30.5 m) lengths. Maximum continuous length is 100.0' (30.5 m)
- Web thickness .25" (6.4 mm)



PART #	DIMENSIONS - INCHES (MM)			LENGTH	SUGGESTED LIST PRICE
	H	W	W1		
18736.....	2.00 (50.8)	4.50 (114.3)	0.25 (6.4)	Sold by the foot	\$5.00/ft
18776.....	2.00 (50.8)	4.50 (114.3)	0.25 (6.4)	10' (3.05m)	\$50.00
18797.....	2.00 (50.8)	4.50 (114.3)	0.25 (6.4)	11' (3.35m)	\$55.00
18798.....	2.00 (50.8)	4.50 (114.3)	0.25 (6.4)	70' (21.34m)	\$340.00
33223.....	2.00 (50.8)	4.50 (114.3)	0.25 (6.4)	80' (24.4m)	\$380.00
33224.....	2.00 (50.8)	4.50 (114.3)	0.25 (6.4)	100' (30.5m)	\$460.00

Mechanical Scale Tickets

WEIGHED ON A FAIRBANKS SCALE				No. _____
Load	_____		Date	_____
From	_____			
Gross	lbs.	To	_____	
Tare	lbs.	Address	_____	
Net	lbs.	Price	Amt.	_____
_____ On	_____ Off	_____ Weigher	_____	
Form 333A Printed in U.S.A.				

- Carbon triplicate with 2.0" (50.8 mm) tear-off flap
- Size: 1.875" x 4.75" (47.6 mm x 120.7 mm)
- Order quantity: 500 per package

PART #	DESCRIPTION	SUGGESTED LIST PRICE
20260.....	Fairbanks Scales.....	\$49.00

THE TOLEDO TYPE REGISTERING BEAM				No. _____
From	_____	To	_____	
Gross	Load of	_____		
Tare	Driver	On	Off	_____
_____ Fees	_____	Date	_____ 20	_____
_____ Net	_____ Weigher	_____		

- Carbon duplicate with 2.0" (50.8 mm) tear-off flap
- Size: 1.75" x 5.5" (44.5 mm x 139.7 mm)
- Order quantity: 500 per package

PART #	DESCRIPTION	SUGGESTED LIST PRICE
20262.....	Toldeo Scales	\$49.00

Weight obtained by using THE HOWE PATENTED RECORDING BEAM				No. _____
From	_____	To	_____	
Gross	Load of	_____		
Tare	Driver	On	Off	_____
_____ Fees	_____	Date	_____ 20	_____
_____ Net	_____ Weigher	_____		


- Carbon triplicate with 2.0" (50.8 mm) tear-off flap
- Size: 1.75" x 5.5" (44.5 mm x 139.7 mm)
- Order quantity: 500 per package

PART #	DESCRIPTION	SUGGESTED LIST PRICE
20261.....	Howe Scales.....	\$49.00

Blank Scale Tickets

- 3-part carbonless
- Size: 5.5" x 4.5" (139.7 mm x 114.3 mm)

PART # 22263 Blank Scale Ticket
Suggested List Price 0.10¢ each

Customer Name: _____		
Driver On <input type="checkbox"/>	Driver Off <input type="checkbox"/>	
Customer Signature: _____		
<small> RICE LAKE WEIGHING SYSTEMS Industrial Solutions on a Global Scale www.rlws.com </small>		PN271630

- Carbonless duplicate
- Size: 4.31" x 7" (109.4 mm x 177.8 mm)
- Order quantity: 500 per package

PART #	DESCRIPTION	SUGGESTED LIST PRICE
71630.....	Rice Lake Weighing Systems Scales.....	\$32.00

Hardware and Accessories

Electronic Scale Tickets

DATE _____	No. _____
SELLER _____	
BUYER _____	
ADDRESS _____	
CITY _____ STATE _____ ZIP _____	
	GROSS _____
	TARE _____
	NET _____
DRIVER ON <input type="checkbox"/> OFF <input type="checkbox"/> WEIGHED BY _____	
DIGITAL WEIGHT INDICATOR & PRINTER	
WEIGHED ON CARDINAL SCALES	
FORM 510	

- Carbon triplicate interleaved
- Size: 5.0" x 7.875" (127.0 mm x 200.0 mm)
- Order quantity: 500 per package

ELECTRONIC SCALE TICKET		No. _____
DATE _____		
SELLER _____		
BUYER _____		
ADDRESS _____		
CITY _____ STATE _____ ZIP _____		
COMMODITY _____		
PRICE _____		
REMARKS _____		
DRIVER <input type="checkbox"/> ON <input type="checkbox"/> OFF _____		
WEIGHER _____		
Form ES4		

- Carbon triplicate interleaved perforated and glued on one end
- Size: 5.5" x 9.0" (139.7 mm x 228.6 mm)
- Order quantity: 500 per package

PART #	DESCRIPTION	SUGGESTED LIST PRICE
20266.....	Hecon printers, EL522 & EL516.....	\$69.00

PART #	DESCRIPTION	SUGGESTED LIST PRICE
20265.....	SP2000, SP2200, RL250 & EL500	\$75.00

Scale Veils

- Tough, flexible transparent vinyl, constructed with heavy-duty stitching
- Loose fit allows for operation of switches or controls through the scale veil
- Available for most types of scale equipment



Protect your electronic scales, weight indicators and printers with a scale veil. Reduce costly repairs and down time due to moisture penetrating through instrument enclosures during cleanup or operation.

SCALE VEILS AVAILABLE FOR THE FOLLOWING WEIGHING EQUIPMENT:

RICE LAKE	PART #	SUGGESTED LIST PRICE
IQ700, UMC600	21213	\$55.00
SP2000/SP2200	21210	\$48.00
WEIGHTRONIX		
WI 110/120	21194	\$55.00
DATAMAX		
Prodigy and Prodigy Plus	21227	\$95.00
Prodigy Max	34870	\$95.00
Ovation and E-4203	34605	\$50.00
EPSON		
TM290/295	29582	\$45.00
TM-300	31277	\$45.00
TM-U200	35666	\$45.00
OKIDATA		
Okidata 184 Turbo Printer	21208	\$55.00
Okidata 320	21226	\$55.00
IDS		
IDS150/150A	21220	\$55.00
IDS152	21221	\$55.00
ISHIDA		
MT-SW	41765	\$11.00

Custom veils and specials available; consult factory.

Hardware and Accessories

Interface Cables for IDS150A, IDS152 & IDS160

PART #	DESCRIPTION	SUGGESTED LIST PRICE
15547	Blunt end, 25-pin D-sub male RS-232 serial interface cable..... <i>Blunt end cables interface to: UMC444, UMC555, UMC600, IQ700, IQ plus® 310A, IQ plus® 355, IQ plus® 390-DC, IQ plus® 510, IQ plus® 590-DC, IQ plus® 710, IQ plus® 800, and IQ plus® 810, 520 and 920I</i>	\$49.00
15566	Blunt end, 25-pin D-sub male RS-232 serial interface cable..... <i>Blunt end cables interface to: UMC444, UMC555, UMC600, IQ700, IQ plus® 310A, IQ plus® 355, IQ plus® 390-DC, IQ plus® 510, IQ plus® 590-DC, IQ plus® 710, IQ plus® 800, and IQ plus® 810, 520 and 920I</i>	\$49.00
15567	25-pin D-sub male to 25-pin D-sub male 20 mA serial interface cable	49.00
15568	25-pin D-sub male to 25-pin D-sub male RS-232 serial interface cable	49.00
Consult.....	Custom 20 mA/RS-232 serial interface cable.....	95.00

Custom cables are designed to interface with your specific equipment. Please specify equipment model number and connector type. Standard cable length is 5' (1.5 m).



Interface Cables for SP-2000, SP-2200, TM-U295, TM-U590, TM-U200, iDP3111 and Star® Printers

PART #	DESCRIPTION	SUGGESTED LIST PRICE
15547	Blunt end, 25-pin D-sub male RS-232 serial interface cable..... <i>Blunt end cables interface to: UMC444, UMC555, UMC600, IQ700, IQ plus® 310A, IQ plus® 355, IQ plus® 390-DC, IQ plus® 510, IQ plus® 590-DC, IQ plus® 710, IQ plus® 800, and IQ plus® 810, 520 and 920I</i>	\$49.00
15548	25-pin D-sub male to 25-pin D-sub male 20 mA serial interface cable (SP2200 only) ..	49.00
15568	25-pin D-sub male to 25-pin D-sub male RS-232 serial interface cable	49.00
Consult.....	Custom 20 mA/RS-232 serial interface cable.....	95.00

Custom cables are designed to interface with your specific equipment. Please specify equipment model number and connector type. Standard cable length is 5' (1.5 m).



Interface Cables for Allegro™, Prodigy™, Prodigy™ Plus, Prodigy MAX™ and I-Class

PART #	DESCRIPTION	SUGGESTED LIST PRICE
15547	Blunt end, 25-pin D-sub male RS-232 serial interface cable..... <i>Blunt end cables interface to: UMC444, UMC555, UMC600, IQ700, IQ plus® 310A, IQ plus® 355, IQ plus® 390-DC, IQ plus® 510, IQ plus® 590-DC, IQ plus® 710, IQ plus® 800, and IQ plus® 810, 520 and 920I</i>	\$49.00
Consult.....	Custom RS-232 interface cable	95.00

Custom cables are designed to interface with your specific equipment. Please specify equipment model number and connector type. Standard cable length is 5' (1.5 m).



Interface Cables for Eltron Desktops, E-4203 and M-4206

PART #	DESCRIPTION	SUGGESTED LIST PRICE
41276	DB9 male RS-232 cable to blunt end.....	\$49.00



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Hardware and Accessories

Desiccants

Packets

- Bagged desiccants to protect your enclosed electronic components from moisture and humidity
- Useful in junction boxes, indicators, and all scale electronics

MINI PAX—compact size protection, 7g
Dimensions: 2.75" x .75" (69.9 mm x 19.1 mm)

NATRA SORB—low-cost bulk protection, 20g
Dimensions: 2.5" x 2.5" (63 mm x 63 mm)



PART #	DESCRIPTION	SUGGESTED LIST PRICE
16038.....	Mini Pax.....	\$1.00
16039.....	Natra Sorb.....	\$1.80

Gels

- Turns water into a non-conductive gel on contact
- Ideal for filling enclosures
- Provides a water-repellant coating for load cells

WATERGUARD GEL—600 g tube



PART #	DESCRIPTION	SUGGESTED LIST PRICE
32819.....	Waterguard Gel.....	\$40.00

Industrial Corrosion Inhibitor

Our Best Indicator Protection

- Special chemical combination provides superior protection
- Protects 5 cubic feet/1.4 cubic meters of enclosure volume for approximately 1 year
- Dimensions: 2.5" dia. x 1.5" H (63.5 mm dia. x 38.1 mm H)



PART #	DESCRIPTION	SUGGESTED LIST PRICE
16037.....	Corrosion Inhibitor.....	\$23.00

Crimper and Lead Seals

Crimper

- 5.0" (127.0 mm) seal press with two .5" (12.7 mm) engraving dies
- Chrome finish
- Compound leverage
- Quick delivery on custom dies



Lead Seals

- .25" (6.4 mm) heavy duty seal with galvanized steel wire. Length - 16.0" (406.4 mm)
- Complies with UL requirements of 14 lb (6.4 kg) maximum break strength



PART #	DESCRIPTION	SUGGESTED LIST PRICE
21111.....	Crimper	\$110.00
15318.....	Crimper Die Blank.....	\$40.00
15317.....	100 Seals/pkg	\$30.00

Hardware and Accessories

Static Control Table Mat and Floor Mat

An absolute must for every workbench, this kit includes a 3-layer 2' x 4' table mat, 4' x 6' floor mat, ground cord, and adjustable wrist strap. Designed specifically for energized circuit work, the static control table and floor mat provide superior protection against ESD.



PART #	DESCRIPTION	SUGGESTED LIST PRICE
34265.....	Static Control Table Mat & Floor Mat	\$580.00

Dissipative Work Surface

This dissipative work surface drains electrostatic charges rapidly enough to prevent damage to sensitive components, but not so quickly that a potentially destructive or damaging arc forms. The 2' x 3' rigid, non-glare surface resists abrasion, stains, solder damage and common solvents. Includes two fasteners and one grounding system.



PART #	DESCRIPTION	SUGGESTED LIST PRICE
34264.....	Dissipative Work Surface	\$395.00

Static Control Wrist Strap

The single most important personal accessory for protecting ESD-sensitive components and circuits, this wrist strap protects against charges from the body. The wrist strap consists of a comfortable elastic cuff or band and a detachable conductive cord for grounding the wrist band.



PART #	DESCRIPTION	SUGGESTED LIST PRICE
34263.....	Static Control Wrist Strap.....	\$39.00

Static Shielding Bags

This static shield bag offers total ESD protection, whether you're transporting ESD-susceptible products across the room or across the country. The outer layer of the bag consists of an abrasion-resistant polyester, while the antistatic polyethylene inner layer retards triboelectric static charging from inside the bag.



PART #	DESCRIPTION	SUGGESTED LIST PRICE
16150.....	Static Shielding Bags, 8" x 10"	\$1.00 each
16151.....	Static Shielding Bags, 12" x 18"	\$ 3.00 each

Hardware and Accessories

Static-Safe Service Kit

- Eliminates static for safe board replacement
- Connects a field service technician and the static-safe work surface to the same ground point
- Harmlessly drains static charges from the body and from any conductive objects placed on the mat
- Folds into a compact unit for transport and storage



PART #	DESCRIPTION	SUGGESTED LIST PRICE
32818.....	Static-Safe Service Kit	\$153.00

Portable Megometer

- Load cell insulation tester
- Easy to use, accurate and reliable
- Designed for strain gauge transducer testing



PART #	DESCRIPTION	SUGGESTED LIST PRICE
36253.....	Portable Megometer	\$395.00

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Junction Boxes

EL210 Excitation Trim Junction Box



APPLICATIONS

- Floor scales
- Tank, hopper or vehicle scales
- Summing 2, 3 or 4 cells with trim capability

STANDARD FEATURES

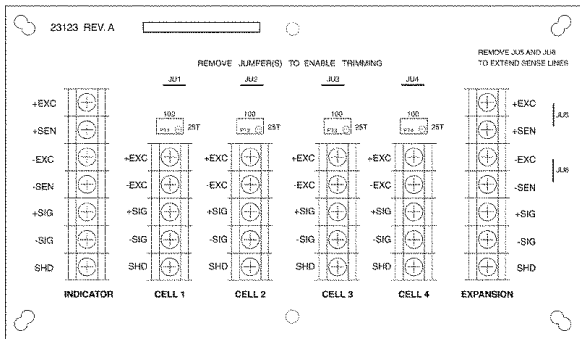
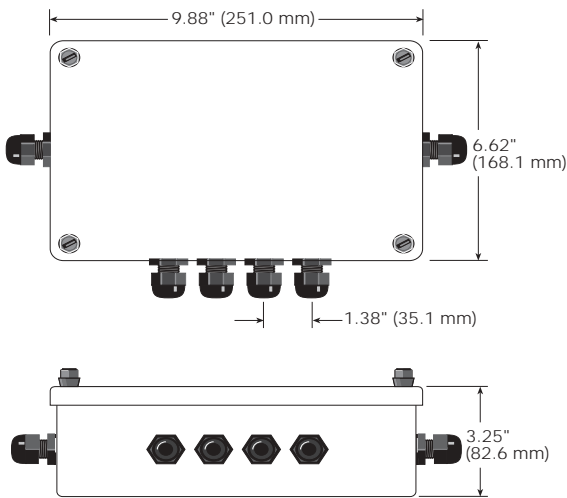
- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Strain relief cable fittings

Number of cells:

- 2 to 4 single cells
- 4 to 8 load cells parallel connected
- Expansion port

SPECIFICATIONS

Cable Fittings:	4 nylon cable strain reliefs 0.079"-0.314" (2.0 mm-8.0 mm)
Connectors:	2 nylon cable strain reliefs 0.236"-0.472" (6.0 mm-12.0 mm)
	#6 SEMS screw type, accepts spade lugs, tinned leads or bare wires up to #12 AWG
Trimming:	Individual cell, excitation trim. Three ranges: no trim, 0-37 ohms or 0-100 ohms
Potentiometers:	100 ohms, 25-turn cermet
Enclosure:	FRP NEMA 4X, 40 psi washdown
Circuit Board:	8.0" x 4.625" (203.2 mm x 117.4 mm) with anti-fungal coating
Warranty:	1 year limited warranty



EL210 ORDER INFORMATION

Part #	Description	Suggested List Price
21162.....	EL210 excitation trim 4-channel junction box	\$235.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
23123.....	4-channel circuit board only	\$180.00
29846.....	Additional operating manual	\$5.00

Junction Boxes

EL211A Signal Trim Junction Box



APPLICATIONS

- Floor scales
- Tank, hopper or vehicle scales
- Can be used with gated power supplies
- Corner and/or section trim applications

STANDARD FEATURES

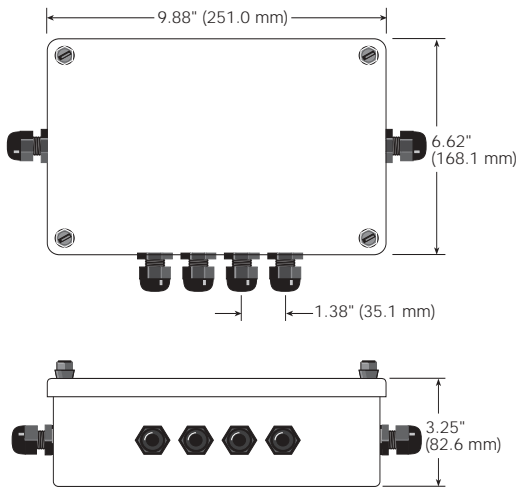
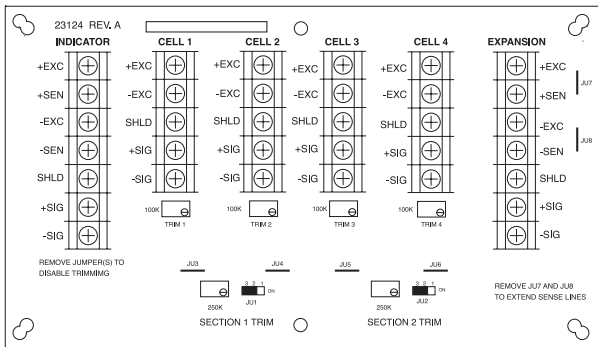
- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Strain relief cable fittings

Number of cells:

- 2 or 4 single cells (even number of cells only)
- 4 or 8 load cells parallel connected
- Any unused channels require modification
- Expansion port

SPECIFICATIONS

Cable Fittings:	4 nylon cable strain reliefs 0.079"-0.314" (2.0 mm-8.0 mm)
Connectors:	2 nylon cable strain reliefs 0.236"-0.472" (6.0 mm-12.0 mm)
Trimming:	#6 SEMS screw type, accepts spade lugs, tinned leads or bare wires up to #12 AWG
Trimming:	Individual cell, signal trim, 2.7K ohms isolation resistors with a 2.7K ohms limiting resistor
Potentiometers:	100K ohms, 25-turn cermet
Enclosure:	FRP NEMA 4X, 40 psi washdown
Circuit Board:	8.0" x 4.625" (203.2 mm x 117.4 mm) with anti-fungal coating
Warranty:	1-year limited warranty



EL211A ORDER INFORMATION

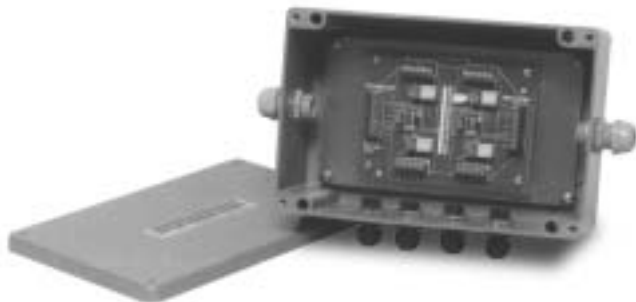
Part #	Description	Suggested List Price
23133.....	EL211A signal trim 4-channel junction box.....	\$235.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
23124.....	4-channel circuit board only	\$190.00.00
29848.....	Additional operating manual.....	\$5.00

Junction Boxes

EL304A Signal Trim Junction Box



APPLICATIONS

- Livestock scales
- Tank and vessel weighing
- Corner and/or section trim applications

STANDARD FEATURES

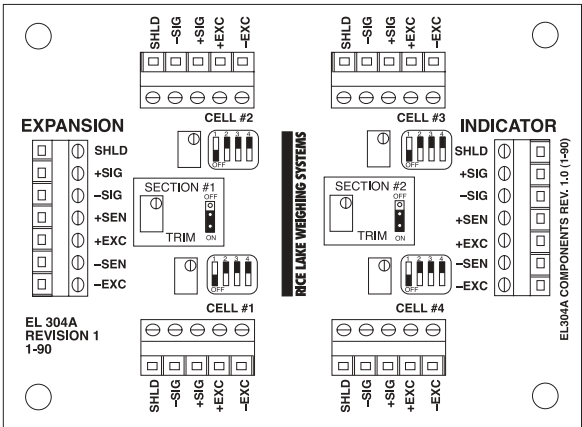
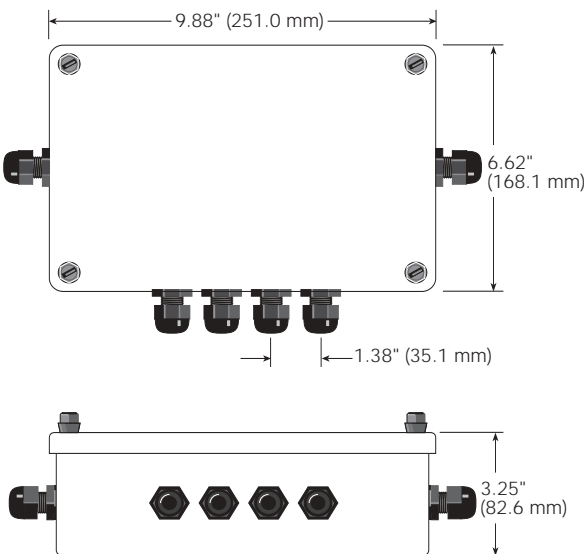
- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Strain relief cable fittings
- Individual cell signal disconnect switches

Number of cells:

- 2 or 4 single cells (even number of cells only)
- Expansion port

SPECIFICATIONS

Cable Fittings:	4 nylon cable strain reliefs 0.079"–0.236" (2.0 mm–6.0 mm) 2 nylon cable strain reliefs 0.236"–0.354" (6.0 mm–9.0 mm)
Connectors:	Electrovert 0.197" (5.0 mm) miniature screw terminals Maximum wire size #14 AWG
Trimming:	Individual cell & section, signal trim, 2.5K ohms isolation resistors, switch selectable limiting resistors
Potentiometers:	100K ohms, 25-turn cermet
Enclosure:	FRP NEMA 4X, 40 psi washdown
Circuit Board:	5.5" x 4" (139.7 mm x 101.6 mm) with anti-fungal coating
Warranty:	1-year limited warranty



EL304A ORDER INFORMATION

Part #	Description	Suggested List Price
21169.....	EL304A signal trim 4-channel junction box.....	\$255.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
21301.....	4-channel expandable circuit board only.....	\$195.00
16937.....	Additional operating manual.....	\$5.00

EL604-AL Signal Trim Junction Box



APPLICATIONS

- Floor scales
- Limited space installations

STANDARD FEATURES

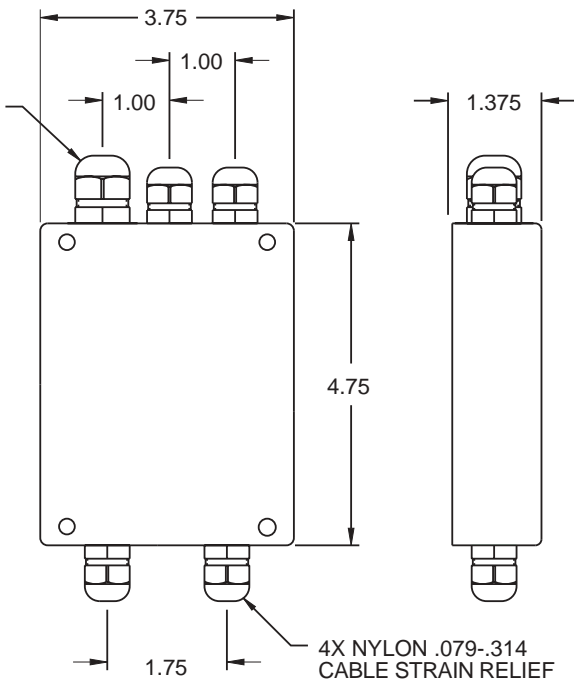
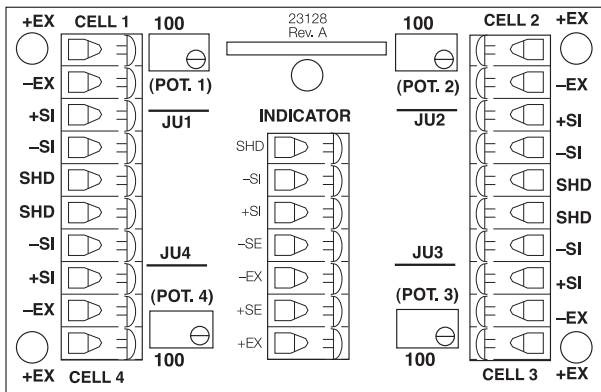
- Aluminum, NEMA 4 enclosure
- Strain relief cable fittings
- High stability non-zero interactive trim

Number of cells:

- 2 to 4 single cells
- Any unused channels require modification

SPECIFICATIONS

Cable Fittings:	(4) nylon 0.079"-0.314" (2.0 mm–8.0 mm) cable strain reliefs
Connectors:	(1) nylon 0.170"-0.470" (4.3 mm–11.9 mm) cable strain reliefs
Trimming:	WAGO® 256-4XX, Maximum wire size #14 AWG
Potentiometers:	Individual cell, signal trim, 2.7K ohms isolation resistors with a 2.7K limiting resistor
Enclosure:	100K ohms, 25-turn cermet
Circuit Board:	Aluminum NEMA 4, 40 PSI washdown
Warranty:	3.8" x 2.3" (96.5 mm x 58.4 mm) with anti-fungal coating
	1-year limited warranty



EL604-AL ORDER INFORMATION

Part #	Description	Suggested List Price
69442.....	EL604-AL signal trim 4-channel junction box.....	\$195.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
23126.....	Circuit board only.....	\$140.00
69524.....	Additional operating manual.....	\$5.00

Junction Boxes

EL604STA Signal Trim Junction Box



APPLICATIONS

- Tank scales
- Floor scales
- Limited space installations

STANDARD FEATURES

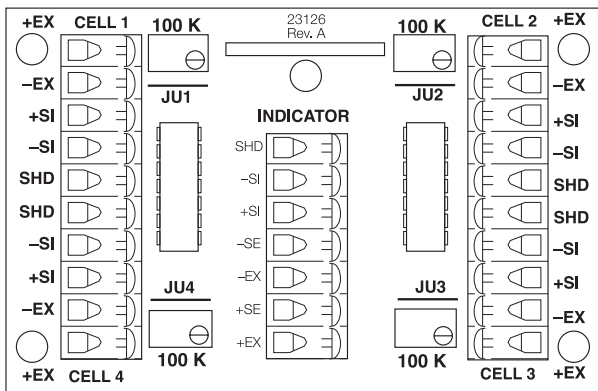
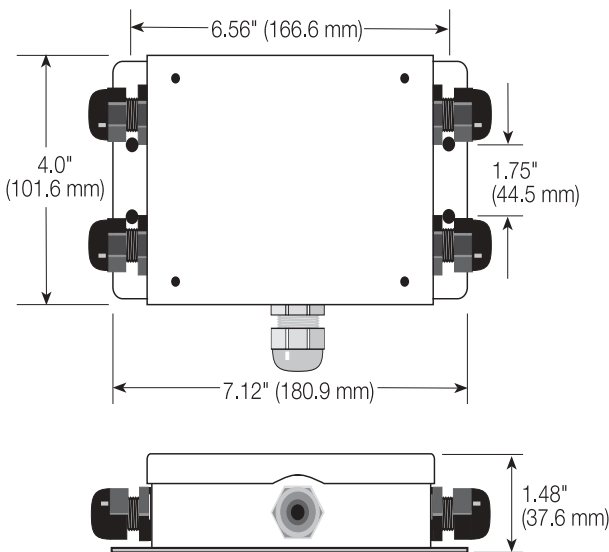
- Stainless steel, NEMA 4X enclosure
- Strain relief cable fittings
- High-stability, non-zero interactive trim

Number of cells:

- 2 to 4 single cells
- Any unused channels require modification

SPECIFICATIONS

Cable Fittings:	4 nylon cable strain reliefs 0.079"–0.314" (2.0 mm–8.0 mm) 1 cable strain relief nylon 0.236"–0.472" (6.0 mm–12.0 mm)
Connectors:	WAGO 256-4XX. Maximum wire size #14 AWG
Trimming:	Individual cell, signal trim, 2.7K ohms isolation resistors with a 2.7K limiting resistor
Potentiometers:	100K ohms, 25-turn cermet
Enclosure:	Stainless steel NEMA 4X, 40 psi washdown
Circuit Board:	3.8" x 2.3" (96.5 mm x 58.4 mm) with anti-fungal coating
Warranty:	1-year limited warranty



EL604STA ORDER INFORMATION

Part #	Description	Suggested List Price
23127.....	EL604STA signal trim 4-channel junction box.....	\$220.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
23126.....	4-channel circuit board only.....	\$140.00
29978.....	Additional operating manual.....	\$5.00

EL604ETA Excitation Trim Junction Box



APPLICATIONS

- Tank scales
- Floor scales
- Limited space installations
- Summing 2, 3, 4 cells with trim capability

STANDARD FEATURES

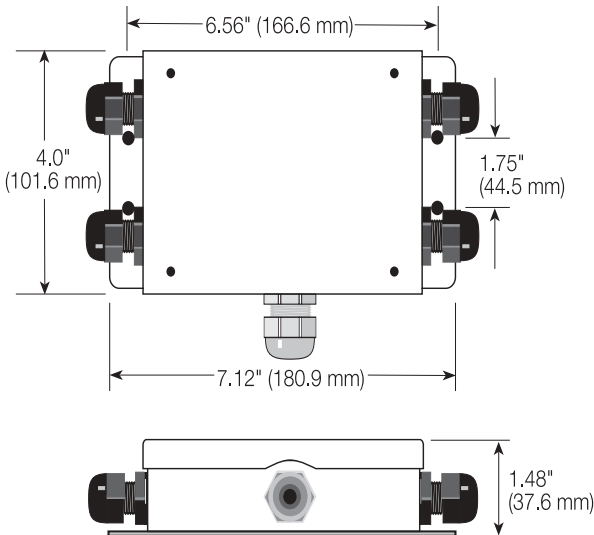
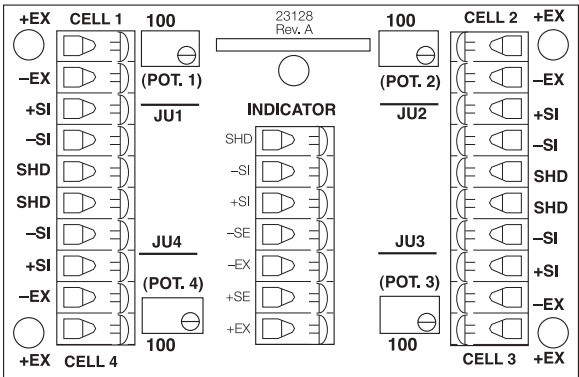
- Stainless steel, NEMA 4X enclosure
- Strain relief cable fittings

Number of cells:

- 2 to 4 single cells

SPECIFICATIONS

Cable Fittings:	4 cable strain reliefs nylon 0.079"–0.314" (2.0 mm–8.0 mm) 1 cable strain relief nylon 0.236"–0.472" (6.0 mm–12.0 mm)
Connectors:	WAGO 256-4XX Maximum wire size #14 AWG
Trimming:	Individual cell, excitation trim Three ranges: no trim, 0-37 ohms, 0-100 ohms
Potentiometers:	100 ohms, 25-turn cermet
Enclosure:	Stainless steel NEMA 4X, 40 psi washdown
Circuit Board:	3.8" x 2.3" (96.5 mm x 58.4 mm) with anti-fungal coating
Warranty:	1-year limited warranty



EL604ETA ORDER INFORMATION

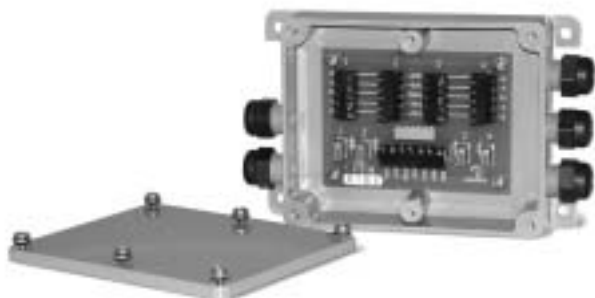
Part #	Description	Suggested List Price
23129.....	EL604ETA excitation trim 4-channel junction box.....	\$220.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
23128.....	4-channel circuit board only.....	\$140.00
29980.....	Additional operating manual.....	\$5.00

Junction Boxes

EL204 Signal Trim Junction Box



APPLICATIONS

- Floor, hopper, tank, or livestock applications

STANDARD FEATURES

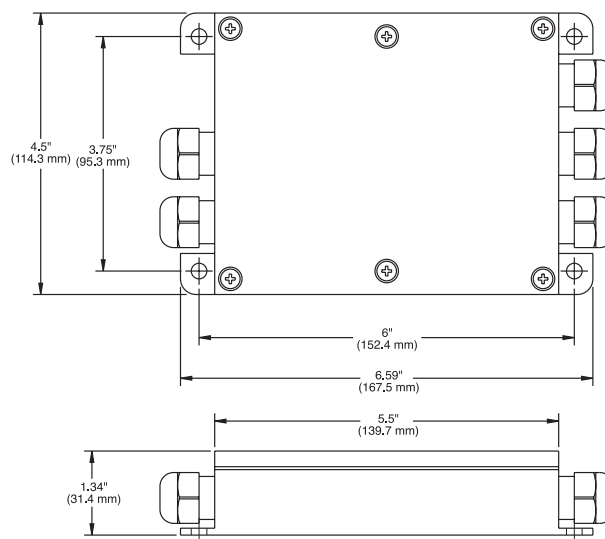
- ABS enclosure with molded-in cable fittings for waterproof seal
- Premium screw terminals
- Dale 3296 25-turn cermet potentiometers
- PC board has silicone protective coating for moisture resistance
- 6-screw attachment to lid, die cut gasket for superior environment protection

Number of cells:

- 2 to 4 single cells

SPECIFICATIONS

Cable Fittings:	Five water tight nylon compression fittings, 0.210"–0.280" (5.3 mm x 7.1 mm)
Connectors:	AMP 796689-X Maximum wire size 12 AWG
Trimming:	Individual cell trim, signal trim, 2.2 k ohm limiting resistor
Potentiometers:	Dale 100 k ohms, 25-turn cermet
Enclosure:	ABS with molded through-fittings, sealed 6-screw lid
Circuit Board:	3" x 4" (76.2 mm x 101.6 mm)
Warranty:	1-year limited warranty



EL204 ORDER INFORMATION

Part #	Description	Suggested List Price
73428.....	EL204 junction box and trim card assemblies	\$175.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
75592.....	4-cell summing card only	\$135.00

EL168 1-Cell Junction Box



APPLICATIONS:

- For splicing or extending load cell cable

STANDARD FEATURES:

- Non-metallic NEMA 4X enclosure with separate input and output cable fittings
- No soldering, compression or swaged fittings are required

SPECIFICATIONS

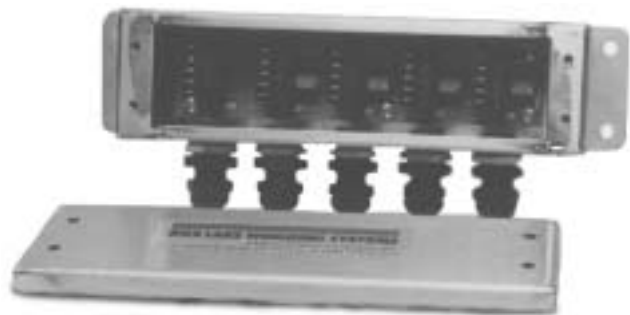
Dimensions:	3.75" W x 3.75" H x 3" D (95.3 mm W x 95.3 mm H x 76.2 mm D)
Mounting Centers:	3.75" x 2.31" (95.2 mm x 58.7 mm)
Cable Fittings:	Nylon waterproof strain-relief type
Cable Diameter:	0.079"-0.315" (2.0 mm-8.0 mm)
Terminal Block:	Rated 300 V/15A; 7-position, screw terminal can each accommodate up to #16 AWG
Warranty:	1-year limited warranty

EL6168 ORDER INFORMATION

Part #	Description	Suggested List Price
21161	EL168 1-cell junction box.....	\$59.00

Junction Boxes

EL504 Signal Trim Junction Box



APPLICATIONS:

- Truck scales
- Floor scales
- Limited space installations

STANDARD FEATURES:

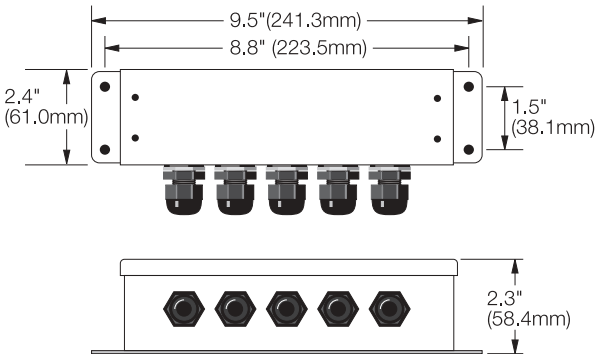
- Stainless Steel, NEMA 4X enclosure
- Strain relief cable fittings
- Removable connectors for easy wiring

Number of cells:

- 2 to 4 single cells
- Any unused channels require modification

SPECIFICATIONS

Cable Fittings:	(5) nylon 0.187"-0.312" (4.7 mm-7.9 mm) cable strain reliefs
Connectors:	Electrovert 0.197" (5.0mm) miniature two piece connectors. Maximum wire size #14 AWG, connectors are removable for easy wiring.
Trimming:	Individual cell, signal trim, 2.5K ohms isolation resistors with a 10K limiting resistor
Potentiometers:	100K ohms, 25-turn cermet
Enclosure:	Stainless Steel NEMA 4X, 40 PSI washdown
Circuit Board:	6.5" x 1.5" (165.1 mm x 38.1 mm) with anti-fungal coating



EL504 ORDER INFORMATION

Part #	Description	Suggested List Price
21165.....	EL504 signal trim junction box	\$295.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
21296.....	Circuit board only.....	\$240.00

JB 808S Signal Trim Junction Box



APPLICATIONS

- Truck and railroad scales
- Summing 2, 4, 6 or 8 cells with individual and section trimming capability

STANDARD FEATURES

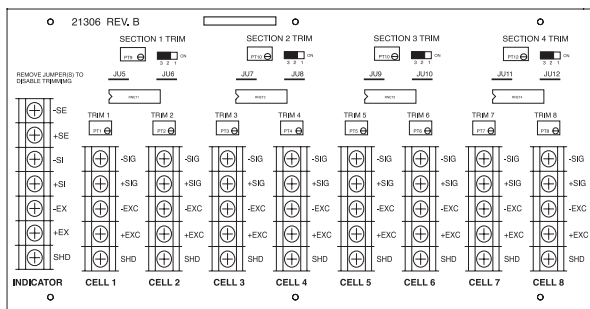
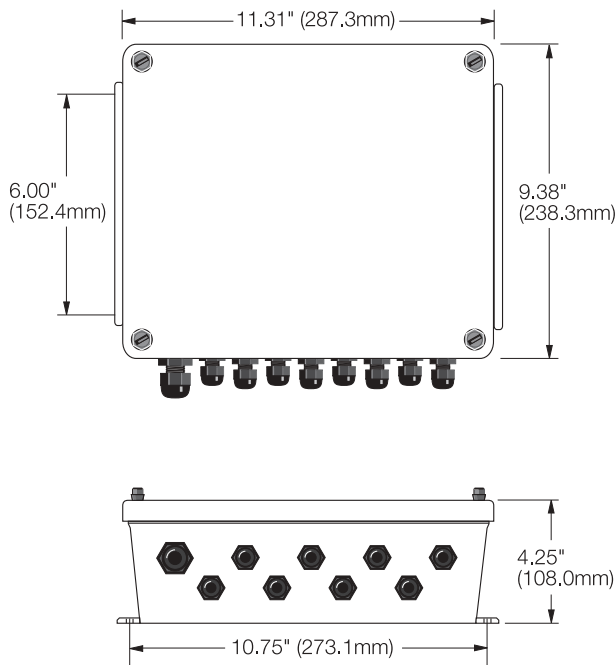
- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Strain relief cable fittings
- Section and individual cell trim capability
- Includes 6 filling plugs for unused fittings
- Fungal resistant coating
- Large enclosure for plenty of working room
- Mounting hardware included
- Holes in flange for easy mounting

Number of cells:

- 2, 4, 6 or 8 single load cells (even number of cells only)
- Any unused channels require modification

SPECIFICATIONS

Cable Fittings:	8 nylon cable strain reliefs 0.375" (9.5 mm) NPT for cable dimension range: 0.079"–0.314" (2.0 mm–8.0 mm) 1 cable strain relief nylon 0.5" (12.7 mm) NPT for cable dimension range: 0.236"–0.472" (6.0 mm–12.0 mm)
Connectors:	#6 SEMS screw type, accepts spade lugs, tinned leads or bare wires up to #12 AWG
Trimming:	Individual cell, signal trim; sections, signal trim 2.7K isolation resistors with 2.7K limiting resistor
Potentiometers:	100K ohms, 25-turn cermet
Enclosure:	FRP NEMA 4X, 40 psi washdown
Circuit Board:	9.0" x 4.7" (228.6 mm x 119.4 mm) with anti-fungal coating
Warranty:	1-year limited warranty



JB 808S ORDER INFORMATION

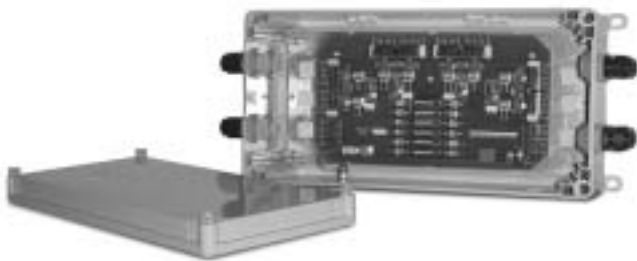
Part #	Description	Suggested List Price
21170.....	JB 808S signal trim 8-channel junction box.....	\$395.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
21306.....	Circuit board only.....	\$345.00
16939.....	Additional operating manual.....	\$5.00

Junction Boxes

JB 818ST Signal Trim Junction Box with Transient Protection



APPLICATIONS

- Truck, livestock and railroad scales
- Summing 2, 4, 6 or 8 load cells with individual and section trimming capability

STANDARD FEATURES

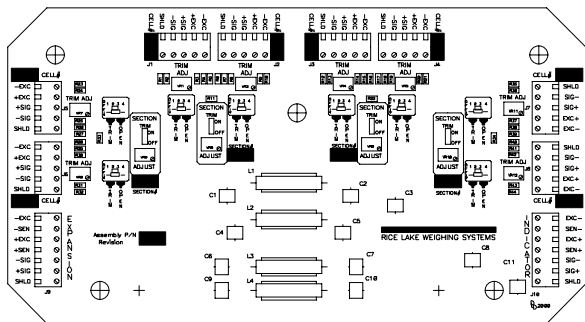
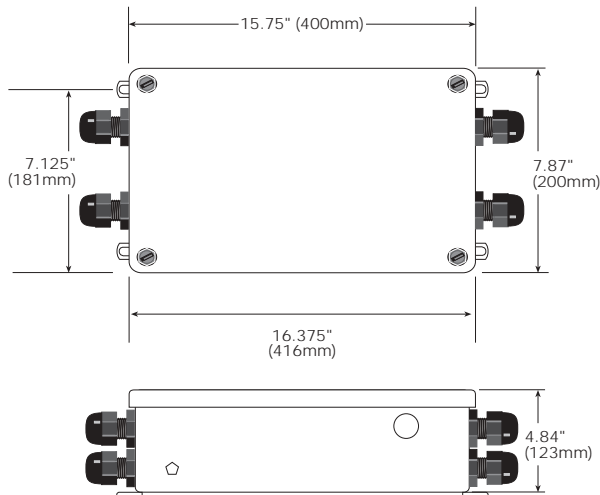
- NEMA 4X polycarbonate enclosure
- Load cell transient protection
- Section and individual cell trim capability
- Includes 6 filling plugs for unused fittings
- Fungal resistant coating
- Large enclosure for plenty of working room
- Mounting hardware included
- Strain relief cable fittings
- Individual cell signal disconnect switches

Number of cells:

- 2, 4, 6 or 8 single load cells (even number only)
- Expansion port

SPECIFICATIONS

Cable Fittings:	9 cable strain relief nylon 0.75" (19.05 mm) NPT for cable dimension range: 0.236"–0.472" (6.0 mm–12.0 mm) Designed to accept 0.75" seal tight conduit fittings if desired (conduit fittings not included)
Connectors:	Electrovent 0.197" (5.0 mm) miniature screw Terminals: maximum wire size #14 AWG
Trimming:	Individual cell and section signal trim 2.5K Ω isolation resistors Switch selectable limiting resistors
Potentiometers:	100K ohms, 25-turn cermet
Enclosure:	Polycarbonate NEMA 4X
Circuit Board:	11.0" x 6" (280 mm x 153 mm) with anti-fungal coating
Warranty:	1-year limited warranty



JB 818ST ORDER INFORMATION

Part #	Description	Suggested List Price
66999.....	JB 818ST signal trim 8-channel junction box.....	\$575.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
65504.....	Circuit board only.....	\$390.00
67000.....	Additional operating manual.....	\$5.00

www.rlws.com

USA: 800-472-6703 • CANADA/MEXICO: 800-321-6703 • INTERNATIONAL: 715-234-9171

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Junction Boxes

JB 1010 Signal/Excitation Trim Junction Box with Transient Protection



APPLICATIONS:

- Tank, truck, railroad, hopper and floor scales
- Universal field replacement of existing boxes
- Paralleling load cells
- Expansion of existing scales

STANDARD FEATURES

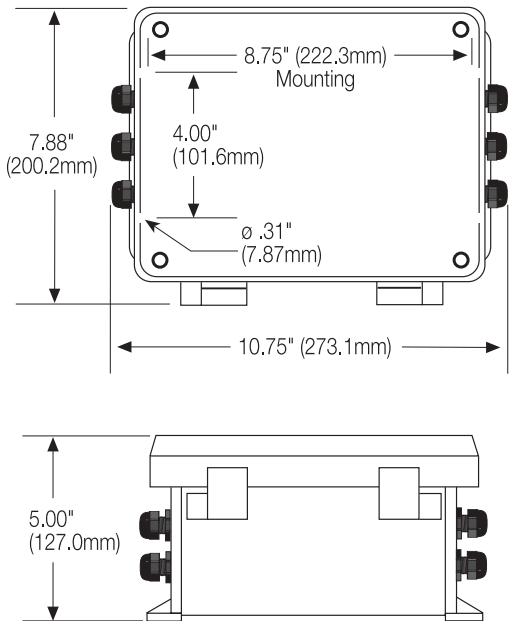
- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Load cell transient protection
- Signal or excitation trim
- Front panel mounting
- Strain relief cable fittings

Number of cells:

- 1 through 10 with expansion
- Trims odd numbers of cells without modification

SPECIFICATIONS

Mounting Centers:	3.75" x 2.31" (95.2 mm x 58.7 mm)
Cable Fittings:	Nylon waterproof strain-relief type
Cable Diameter:	0.079"-0.314" (2.0 mm-8.0 mm)
Terminal Block:	Rated 300 V/15A; 7-position screw terminal can each accommodate up to #16 AWG
Warranty:	1-year limited warranty



JB 1010 ORDER INFORMATION

Part #	Description	Suggested List Price
21170.....	JB 808S signal trim 8-channel junction box.....	\$395.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
36351.....	Circuit board only.....	\$410.00
36329.....	Additional operating manual.....	\$5.00

Junction Boxes

JB 1010ST Signal Trim Junction Box with Transient Protection



APPLICATIONS

- Tank, truck and railroad scales
- Summing 10 load cells with individual and section trimming capability

STANDARD FEATURES

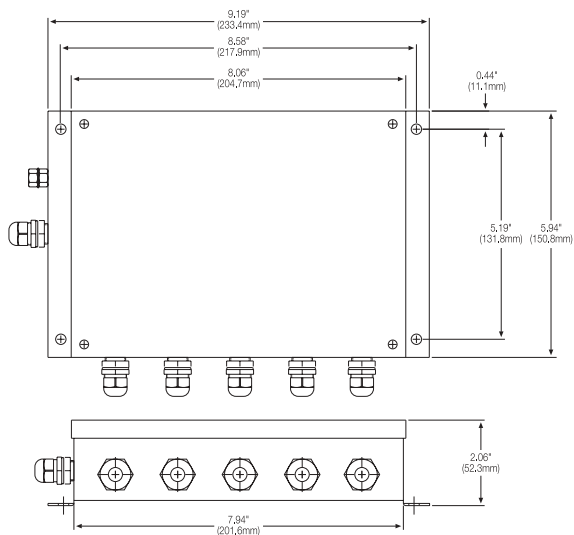
- NEMA 4X stainless steel enclosure
- Transient protection using gas discharge tubes
- Section and individual cell trim capability
- Compact enclosure only 1.75" deep
- Strain relief cable fitting

Number of cells:

- 2, 4, 6, 8 or 10 single load cells
(Any unused channels require modification)

SPECIFICATIONS

Cable Fittings:	11 nylon cable strain relief for cable dimension range: 0.079 to 0.314
Connectors:	Electrovert 0.197 miniature screw terminals, 5-positions Maximum wire size: #14 AWG External enclosure ground stud
Trimming:	Individual cell & section signal trim, 2.5 K Ω isolation resistors
Potentiometers:	100K Ω , 25 turns cermet
Enclosure:	Stainless Steel
Circuit Board:	6.5" x 4.5" (165.1 mm x 114.3 mm)
Warranty:	1-year limited warranty



JB 1010ST ORDER INFORMATION

Part #	Description	Suggested List Price
68813.....	JB 1010ST signal trim 10-channel junction box.....	\$525.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
68811.....	10-channel signal trim board only	\$390.00
68812.....	Additional operating manual.....	\$5.00

iQUBE™ Digital Diagnostic Junction Box



iQUBE is the intelligent alternative to analog resistance junction boxes. Unlike conventional load cell summing devices, iQUBE provides simplified calibration, diagnostics, and enhanced electrical overload protection. iQUBE increases the performance of any existing multi-cell system and complements new scale installations. Through Rice Lake's exclusive Cell-Emulator™ feature, iQUBE compensates for an improperly functioning load cell to ensure that the scale maintains accurate operation.

Featuring the latest analog to digital technology and a non-proprietary interface, iQUBE works with conventional weight indicators, serial operator interfaces, PLCs and PCs. Networking is available through analog (4-20 mA and 0-30 mV), serial (RS-232) and Ethernet connectivity. iQUBE supports fiber optic, RF and copper communication routings for integration with WAN, LAN, Internet and other non-proprietary network configurations. When paired with Rice Lake's 920i, iQUBE supports proprietary networks including: Profibus® DP, Allen-Bradley Remote I/O, and DeviceNet™.

iQUBE offers advanced diagnostic features that alert both operators and technicians to potential scale inaccuracies. It greatly reduces scale downtime and provides valuable troubleshooting data to speed repair.

From simple material handling and truck ticketing, to complex enterprise-level integration, iQUBE provides value-added opportunities for data collection and data distribution. Blending incredible value with connectivity options to deliver performance, diagnostics, data acquisition, control, and future migration paths... iQUBE is the portal to intelligent weighing integration.

APPLICATIONS

Mission critical weighing processes, including:

- Truck and railroad track scales
- Tank and hopper scales
- Floor and bench scales

STANDARD FEATURES

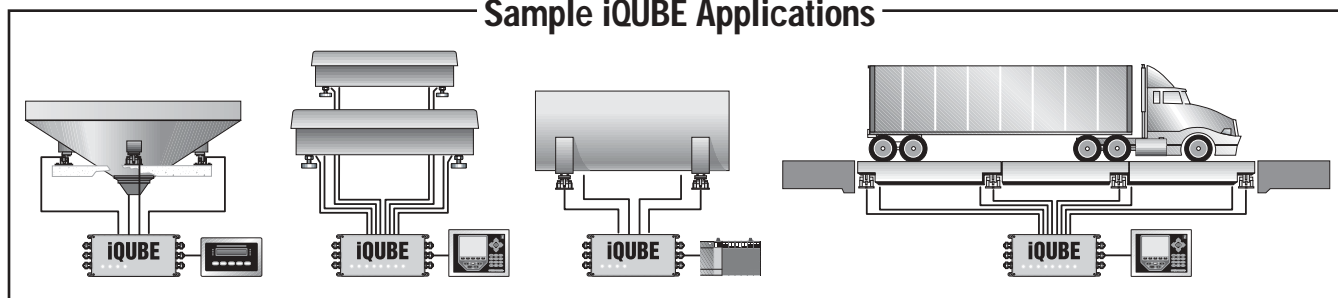
- 4-channel model, 8-channel model, and 8-channel model with 8 digital I/O
- NEMA 4X polycarbonate enclosure
- Multi-level transient protection
- 4-platforms and 16-cell summing capabilities (with networked board)
- Daisy chain up to 4 master/slave iQUBEs for multiple scale applications
- Multiple systems with single iQUBE
- CalMatch algorithm automatically trims and calibrates scale in one pass of test weights (stopping over each mount)
- Theoretical calibration allows you to enter factory sensitivity and capacity values to calibrate the scale without test weights
- Manual software trimming
- Load cell substitution supports cells of unmatched capacities
- Serial (RS-232) connectivity – full duplex
- Bi-color LEDs offer diagnostics capabilities by checking and illustrating load cell status in real time
- Cell-Emulator load cell algorithm compensates for excessive drift, A/D failures, connection errors, excitation voltage shifts and more. It allows the scale to function properly until a permanent repair is available
- Configure with iQUBE software for use with analog devices and iRev software for the iQUBE and the 920i

Additional 920i indicator features:

- Indicator alerts operators of potential errors. When combined with Ethernet option, the indicator initiates error notification to the scale distributor.

Refer to next page for ordering information

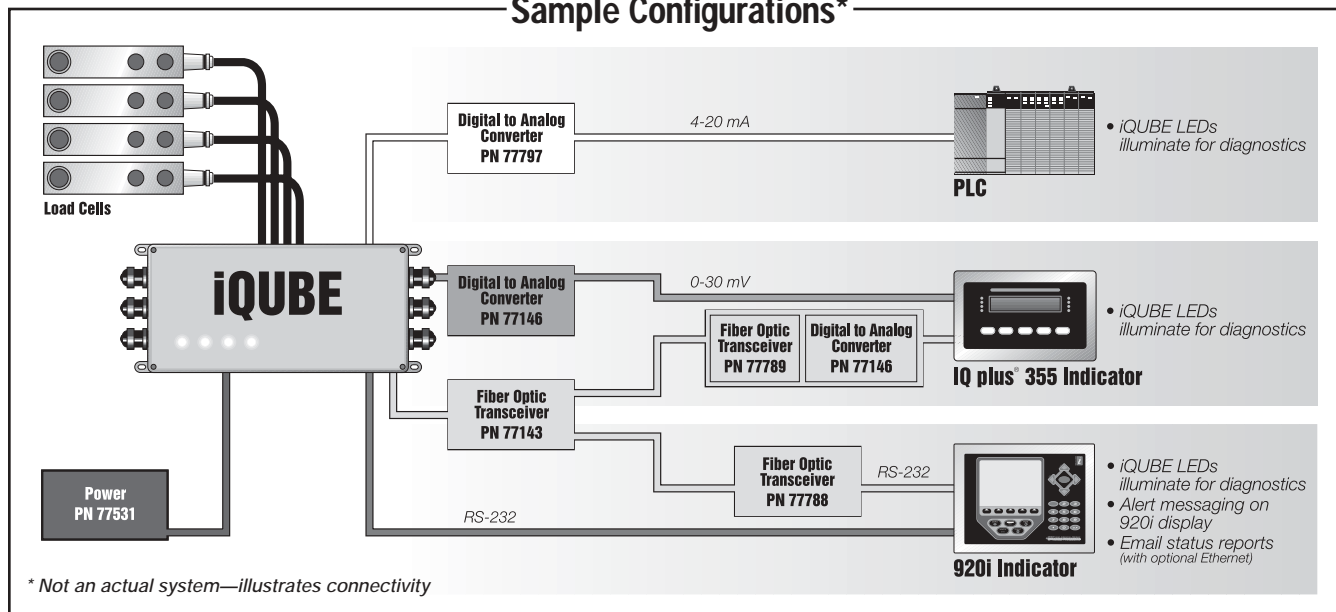
Sample iQUBE Applications



Junction Boxes

iQUBE™ (Continued)

Sample Configurations*



SPECIFICATIONS

iQUBE

Enclosure:	NEMA 4X polycarbonate enclosure
Voltage Input:	4.6–25 VDC
Load Cell Inputs:	8 (16 with networked board)
A/D Sampling Rate:	15 updates per load cell per second
Temperature Range:	14°F to 104°F (-10°C to 40°C)
Load Cell Excitation Voltage:	+ 4.00 VDC
Excitation Current Supply:	120 mA maximum, short circuit protected
Approvals:	NTEP certified, CC# 03-032

Digital to Analog Converter

Output:	0-30 mV or 4-20 mA
Resolution:	16 bit
Temperature Range:	14°F to 104°F (-10°C to 40°C)

Fiber Optic Transceiver

Voltage Input:	6–8 VDC
Serial Input:	To 115 KBAUD
Transmitter:	Red, visible
Transmission Media:	1 mm plastic fiber 1.5 db/meter attenuation, duplex jacketed

Can be used as serial-to-serial fiber optic link

iQUBE ORDER INFORMATION

Part #	Description	Suggested List Price
77778.....	iQUBE, 4-channel junction box	\$1,095.00
77148.....	iQUBE, 8-channel junction box	\$1,595.00
77728.....	iQUBE, 8-channel junction box with 8 digital I/O	\$1,695.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
77146.....	Digital to analog converter, 0-30 mV	\$295.00
77797.....	Digital to analog converter, 4-20 mA	\$295.00
77531.....	Power supply (not required with 920i)	\$150.00
77142.....	Ethernet interface installed in iQUBE	\$395.00
71986.....	Ethernet interface installed in 920i indicator ..	\$395.00
Fiber optic boards (choose two installation options)		
77143.....	Fiber optic board, RX/TX, installed in iQUBE ..	\$295.00
77789.....	Fiber optic board, RX/TX, in external enclosure	\$495.00
77788.....	Fiber optic board, RX/TX, installed in 920i indicator	\$295.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
78026.....	Duplex fiber optic cable, 82' (25 m)	\$125.00
78027.....	Duplex fiber optic cable, 164' (50 m)	\$250.00
78028.....	Duplex fiber optic cable, 656' (200 m)	\$1,000.00
77937*.....	Diagnostic cover with mounted LEDs for iQUBE (4-channel)	\$125.00
77938*.....	Diagnostic cover with mounted LEDs for iQUBE (8-channel)	\$175.00
77886.....	iQUBE configurator software	\$49.00
69781.....	iRev scale software for iQUBE and 920i indicator systems	\$49.00
77224.....	Additional iQUBE installation manual	\$20.00
Indicators for use with iQUBE		
77790.....	920i Universal, 115 VAC	\$1,500.00
77791.....	920i Universal, 230 VAC	\$1,500.00
77792.....	920i Panel Mount, 115 VAC	\$1,500.00
77793.....	920i Panel Mount, 230 VAC	\$1,500.00
77794.....	920i Wall Mount, 115 VAC	\$2,000.00
77795.....	920i Wall Mount, 230 VAC	\$2,000.00

* Must be installed at time of order

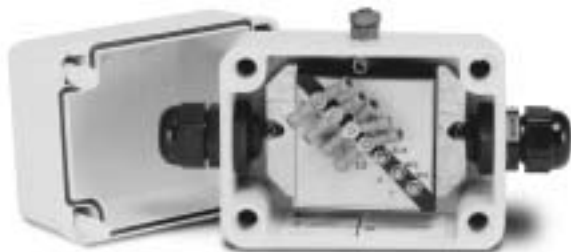
www.rlws.com

USA: 800-472-6703 • CANADA/MEXICO: 800-321-6703 • INTERNATIONAL: 715-234-9171

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Additional Accessories

TP75 DC Transient Protection



APPLICATIONS:

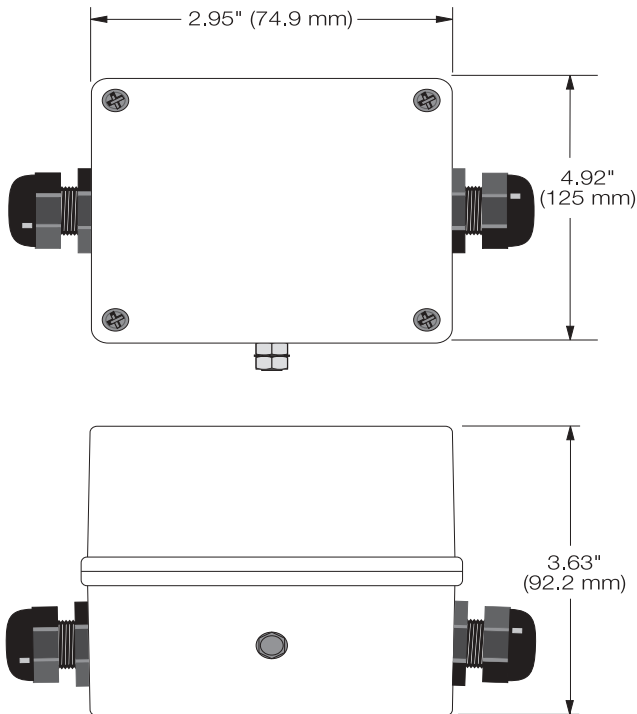
- Protects load cells and indicators from voltage transients
- Tank, bin, and hopper
- Truck and railroad track scales
- Suitable for outdoor use

STANDARD FEATURES

- Avalanche diode design
- Full 6-wire with shield protection
- NEMA 4X enclosure
- Unlimited number of parallel load cells; up to 8 in series
- Terminal lugs provided

SPECIFICATIONS

Protection Type:	6-channel series type with separate shield
Maximum Excitation Voltage:	22.8 VDC
Response Time:	5 nanoseconds
Peak Surge Currents:	100 amps
Series Resistance:	0.0 ohms
Series Inductance:	0.0 μ h
Grounding:	10 AWG wire or larger (not provided)
Cable Fitting:	(2) nylon strain relief for 0.187"-0.312" (4.7 mm-7.9 mm) diameter cable
Enclosure:	Impact-resistant polycarbonate NEMA 4X, maximum 40 psi washdown
Operating Temperature:	4°F to 121°F (-20°C to 85°C)
Circuit Board Dimensions:	2.22" x 2.22" (56.4 mm x 56.4 mm)



Junction Boxes

TP75 ORDER INFORMATION

Part #	Description	Suggested List Price
33185.....	TP75 DC transient protection.....	\$195.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
31164.....	Circuit board only.....	\$159.00

Additional Accessories

UJB3T6 DC Transient Protection



APPLICATIONS

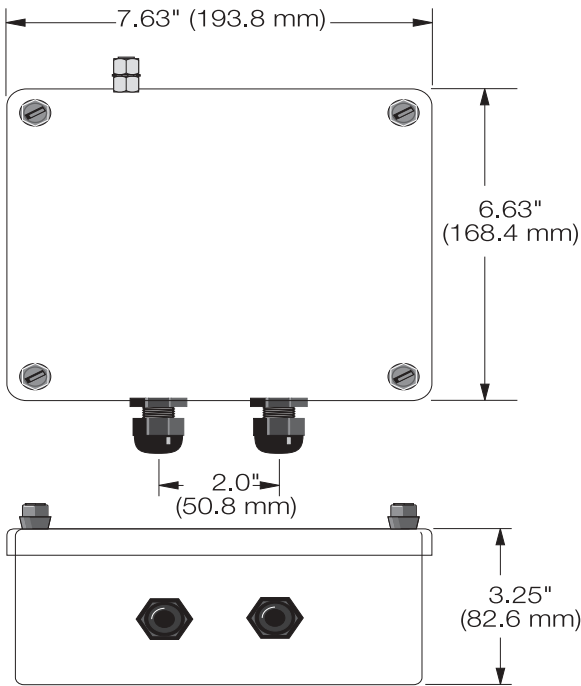
- Protects load cells from voltage transients
- Compatible with signals down to 1 μ Vgrad
- Installations exposed to significant transients
- Protects serial communication lines

STANDARD FEATURES

- Factory serviceable
- Full 6-wire with shield protection
- #6 SEMS screw type; accepts spade lugs, tinned leads or bare wires up to #12 AWG
- Up to 8 parallel or summed load cells
- 50 Kbaud maximum transmission frequency
- Up to 6 serial data lines can be protected instead of load cells

SPECIFICATIONS

Protection Type:	6-channel series type with separate shield
Maximum Excitation Voltage:	20 VDC or 20 VAC
Clamping Voltage:	75 VDC or 75 VAC
Clamping Time:	75 VDC Stages <100 nanoseconds typical
Peak Surge Currents:	75 VDC Stage - 5000 amperes
Maximum Serial Transmission Rate:	50 Kbaud
Series resistance:	0.219 ohms typical
Series inductance:	110 μ h typical
Grounding:	20' (6.1m) insulated #10 AWG wire
Cable Fitting:	(2) nylon strain relief for 0.079"-0.236" (2.0-6.0 mm) diameter cable
Enclosure:	Fiberglass-Reinforced Polyester (FRP) NEMA 4X, maximum 40 psi washdown
Operating Temperature:	14°F to 104°F (-10°C to 40°C)
Circuit Board:	6.75" x 4.75" (171.5 mm x 120.7 mm) with anti-fungal coating
Dimensions:	7.63" W x 6.63" H x 3.25" D (193.8 mm W x 168.3 mm H x 82.6 mm D)



UJB3T6 ORDER INFORMATION

Part #	Description	Suggested List Price
21134.....	UJB3T6	\$250.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
21135.....	6-channel load cell transient protector, board only	\$190.00

Additional Accessories

TP232 RS-232 High Energy Serial Protection



APPLICATIONS:

- Indicators
- Remote displays
- Printers
- Computers
- PLC

STANDARD FEATURES

- Two metal mounting brackets
- Three stages of protection: gas discharge tube, series resistor, and Transient Voltage Suppressor (TVS)
- Two terminal posts for ground
- RS-232 high energy surge protector
- Terminal blocks for transmit, receive, request to send, clear to send, and signal ground

SPECIFICATIONS

Clamping voltage (Stage One): 72 VDC minimum, 108 VDC maximum
Series Resistance (Stage Two): 2.7 Ohms
Clamping Voltage (stage Three): 14.3V minimum, 15.7 maximum
Clamping Time: Less than 5×10^{-9} seconds
Connectors: 5 position terminal blocks
Dimensions: Approximately 4.5" L x 3.3" W x 1.8" H
(114.3 mm L x 83.8 mm W x 45.7 mm H)
Weight: Approximately 0.42 lb (0.19 kg)
Approvals: CE marked

TP75 ORDER INFORMATION

Part #	Description	Suggested List Price
69201	TP232	\$145.00

OPTIONS/ACCESSORIES

Part #	Description	Suggested List Price
17778	12" Ground strap	\$9.50
17781	24" Ground strap	\$12.00
69516	Additional installation manual	\$5.00

Special Requirement Order Form

While we currently offer the most comprehensive selection of standard load cells and sensors available, we also understand that unique opportunities for custom applications and products exists. We have extensive experience working with our customers to develop products for special applications. Just fill out the form below, and fax it to our team of seasoned professionals who will evaluate the design and manufacturing process. You will be contacted immediately with the results of our research.

Customer Number: _____ Estimated Annual Requirement: _____

Customer Name: _____ Date Required: _____

Contact: _____

Type of Product: (Circle one)



S-Type



Shear Beam



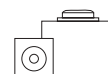
Cantilever
Bending Beam



Double Ended
Beam



Single Point



Canister



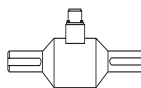
Low Profile Sensor



Load Pin



Load Link



Torque Cell



Pressure Transducer



Strain
Gauge



Spring

Describe the application: _____

Are there any load cell or system certifications necessary?

NTEP _____ FM _____

OIML _____ UL _____

CE _____ USDA _____

What are the ideal dimensions for this product?

Height _____

Width _____

Length _____

What are the specification requirements?

Full Scale Output: _____ mV/V

Bridge Resistance: _____ ohms, nominal

Nonlinearity: _____ % Full Scale

Hysteresis: _____ % Full Scale

Insulation Resistance: _____ megohms

Cable Length: _____ ft

Connector Type: _____

Operating Temperature Range: _____

Are there any other requirements? _____

Material: Stainless _____

Mild Steel _____

Aluminum _____

Other _____

Sealing Type: Hermetic: _____

Welded: _____

Environmental: _____

Other: _____

Do you have a target cost for the product? _____

Fax: 715-234-6967

Attention: Load Cell Business Unit

RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®

Standard Product Limited Warranty

Rice Lake Weighing Systems (RLWS) warrants that all RLWS brand equipment and systems properly installed by a Distributor or Original Equipment Manufacturer (OEM) will operate per written specifications as confirmed by the Distributor/OEM and accepted by RLWS. All systems and components are warranted against defects in materials and workmanship for one (1) year from the date of shipment from RLWS, unless otherwise stated in the product catalog or manual.

RLWS warrants that the equipment sold hereunder will conform to the current written specifications authorized by RLWS. RLWS warrants the equipment against faulty workmanship and defective materials. If any equipment fails to conform to these warranties, RLWS will, at its option, repair or replace such goods returned within the warranty period subject to the following conditions:

- Upon discovery by Buyer of such non-conformity, RLWS will be given prompt written notice with a detailed explanation of the alleged deficiencies.
- Individual electronic components returned to RLWS for warranty purposes must be packaged to prevent electrostatic discharge (ESD) damage in shipment. Packaging requirements are listed in the publication, "Protecting Your Components From Static Damage in Shipment," available from RLWS Equipment Return Department.
- Examination of such equipment by RLWS confirms that the non-conformity actually exists, and was not caused by accident, misuse, neglect, alteration, improper installation, improper repair, or improper testing. RLWS shall be the sole judge of all alleged non-conformities.
- Such equipment has not been modified, altered, or changed by any person other than RLWS or its duly authorized repair agents.
- RLWS will have a reasonable time to repair or replace the defective equipment. Buyer is responsible for shipping the product to RLWS. RLWS is responsible for shipping the product back to the customer.
- In no event will RLWS be responsible for travel time or on-location repairs, including assembly or disassembly of equipment. Nor will RLWS be liable for the cost of any repairs made by others.

These warranties exclude all other warranties, expressed or implied, including without limitation warranties of merchantability or fitness for a particular purpose. Neither RLWS nor distributor will, in any event, be liable for incidental or consequential damages.

RLWS and buyer agree that RLWS' sole and exclusive liability hereunder is limited to repair or replacement of such goods. In accepting this warranty, the buyer waives any and all other claims to warranty.

Should the seller be other than RLWS, the buyer agrees to look only to the seller for warranty claims.

No terms, conditions, understanding, or agreements purporting to modify the terms of this warranty shall have any legal effect unless made in writing and signed by a corporate officer of RLWS and the Buyer.

MANUFACTURER	MODELS	EXCITATION		SIGNAL		SHIELD	SENSE	
		+	-	+	-		+	-
* ADVANCED TRANSDUCERS		• Red	• Black	• Green	• White	□ Bare		
* ALLEGANY TECHNOLOGY		• Green	• Black	• Red	• White	□ Bare		
* ARTECH		• Red	• Black	• Green	• White	□ Bare		
* BEOWULF		• Green	• Black	• White	• Red	□ Bare		
VISHAY BLH	C2P1, C3P1, T2P1, T3P1	• Green	• Black	• White	• Red	□ Bare		
* CARDINAL		• Green	• Black	• White	• Red	□ Bare		
VISHAY CELTRON	PSD, SEB, LCD, CSB, DSR, LOC, SOB, STC, STC SS, DSR, CLB, HED, DLB, SOB, HSS, HTC SS	• Red	• Black	• Green	• White	□ Bare		
	LPS	• Red	• Blue	• Green	• White	□ Bare		
	HOC, MOC	• Green	• Black	• Red	• White	□ Bare	• Blue	• Brown
DILLON	Canister Cell, Tension	• Green	• White	• Black	• Red	• Orange		
	Compression	• White	• Green	• Black	• Red	• Orange		
	Z-Cell	• Red	• Black	• White	• Green	• Orange		
* ELECTROSCALE		• Red	• Black	• Green	• White	□ Bare		
FLINTEC (FLINTAB)	PC1, PC2, PC6, RC1, SB4, SB5, SB6, SB14, SLB, UB1, UB6, SB10, PCB, BK2	• Green	• Black	• White	• Red	• Yellow		
* FORCE MEASUREMENT		• Red	• Black	• Green	• White	□ Bare		
* GSE		• Red	• Black	• White	• Green	□ Bare		
HBM	BLC, BLF, JRT, PWS, RSC, SBF, SB3, USB, U1T, Z6	• Green	• Black	• White	• Red	• Yellow		
	BBS	• Green	• Black	• White	• Red	□ Bare		
	PLC, B35	• Red	• Black	• Green	• White	• Yellow		
	SP4	• Green	• Black	• White	• Red	• Yellow	• Orange	• Blue
INTERFACE	SSM, 1200, 3200	• Red	• Black	• Green	• White	□ Bare		
* KUBOTA		• Red	• White	• Green	• Blue	• Yellow		
* METTLER TOLEDO		• Green	• Black	• White	• Red	• Yellow		
* NATIONAL		• Green	• Black	• White	• Red	• Yellow		
* NCI		• Red	• Black	• White	• Green	□ Bare		
* PENNSYLVANIA		• Orange	• Blue	• Green	• White	□ Bare		
* PHILLIPS		• Red	• Blue	• Green	• Grey	□ Bare		
REVERE TRANSDUCERS	62HU, 63HU, 363, 953, 9523	• Red	• Black	• Green	• White	□ Bare		
	92CC, 93CC, 42U, 43U, 263D, 462, 5102, 5103, 5123, 5223, 5723, 6762, 9102, 9103, 9123, 9363	• Red	• Black	• Green	• White	□ Bare		
	392B, 642, 652, 692B2 BSP, HPS, USP1	• Green	• Black	• White	• Red	□ Bare		
	792, 933, SHB, SSB	• Green	• Black	• White	• Red	• Clear		
	CP1, CSP1	• Green	• Black	• White	• Red	• Orange		
	RLC	• Pink	• Grey	• Brown	• White	□ Bare		
RICE LAKE WEIGHING SYSTEMS	RL20000, RL2000SS, RL20001, RL20001HE, RL30000, RL35023, RL35023S	• Red	• Black	• Green	• White	□ Bare		
	RL35082, RL35083, RL39123, RL39523, RL50210, RL65044, RL70000, RL75016							
	RL75016SS, RL75040A, RL75058, RL75060, RL75223, RL90000, RLETB, RLETS							
	RLHSS, RLMK4							
	RL50500, RL70000SS, RL71000HE, RL75016HE, RLMK15, RLMK21, RL75061	• Red	• Black	• Green	• White	□ Bare		
	RLMK1	• Red	• Black	• White	• Green	• Orange	• Yellow	• Blue
	RL1521	• Red	• Blue	• Green	• White	□ Bare		
	RL40BBS, RLBLC, RLSB2, RLSB2M, RLSB250, RLSSB, RLKIS	• Green	• Black	• White	• Red	□ Bare		
	RL8C2P1SS, RL CSP1, RL75000SS, RL30745	• Green	• Black	• White	• Red	• Orange		
	RL1380, RL1385	• Green	• Black	• White	• Red	• Yellow		
	RL1010, RL1040, RL1042, RL1140, RL1250, RL1260	• Green	• Black	• Red	• White	□ Bare	• Blue	• Brown
	RLHBB, RLHTO	• Blue	• Black	• White	• Red	□ Bare	• Green	• Grey
	RL32155	• White	• Blue	• Green	• Black	• Orange	• Yellow	• Red
* SENSOTEC		• Red	• Black	• White	• Green	□ Bare		
VISHAY SENSORTRONICS	60001, 60008, 60018, 60030, 60036, 60040, 60048, 60048SS, 60050, 60051, 60060	• Red	• Black	• Green	• White	□ Bare		
	60060-0101, 60063, 65007, 65016, 65016SS, 65016W, 65023, 65023S, 65023SS							
	65024, 65040A, 65040S, 65058, 65058S, 65061A, 65083, 65083S, 65114							
	60007, 60064	• Green	• Black	• White	• Red	□ Bare		
	65088-1000, 65088-1114	• Green	• Black	• White	• Red	• Orange		
* STRAININSERT		• Red	• Black	• Green	• White	□ Bare		
VISHAY TEDEA-HUNTLEIGH	4158	• Red	• Black	• Green	• White	□ Bare		
	3411, 3421	• Red	• Black	• Green	• White	□ Bare	• Blue	• Brown
	240, 1010, 1022, 1040, 1042, 1140, 1250, 1260, 1320, 9010, 605, 1030, 1240, 1241	• Green	• Black	• Red	• White	□ Bare	• Blue	• Brown
	355, 620, 3510	• Blue	• Black	• White	• Red	□ Bare	• Green	• Grey
* WEIGH-TRONIX		• Green	• Black	• White	• Red	• White/ • Orange		

* Information is for most models. Please refer to model specific wiring from the manufacturer.

USA 800-472-6703
CANADA/MEXICO 800-321-6703
INTERNATIONAL 715-234-9171
www.rlws.com

RICE LAKE WEIGHING SYSTEMS
Industrial Solutions on a Global Scale

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