Domestic Courier Service

UPS, UPS-Supply Chain Solutions, FedEx, DHL (Collect Service Only)
Overnight

UPS and UPS-Supply Chain Solutions
- 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. second business day (Gold Priority Second Day)
- Saturday delivery (all Menlo Worldwide where available)

BAX Global, Expeditors, UPS and UPS-Supply Chain Solutions
- Overnight (Guaranteed, Standard)
- Second Day (Guaranteed, Standard)
- 1–3 days (BAX Saver)

International Courier Service

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

DHL
Worldwide Priority Express (Collect Service Only)

UPS and UPS-Supply Chain Solutions
- Puerto Rico (A.M. and Second Day)
- Express (Door to Door)
- Standard Plus (Door to Door)

BAX Global
- BAX Guaranteed (Door to Door) Overnight and Second Day
- BAX Standard (Door to Door) Overnight and Second Day
- BAX Saver (Door to Door) 1–3 days
- International (Door to Airport)

Expeditors
- International (Door to Airport) & (Door to Port)

FedEx
- Priority (includes Canada)
- Economy (includes Canada)
- International Ground (Canada & Puerto Rico only)

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

International Saver

Forwarders

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

BAX Global, UPS, UPS-Supply Chain Solutions & Expeditors
Air Freight

Expeditors
Overseas Ocean Freight (Call for estimated delivery)

Truck Service

Preferred Carriers-U.S. CON-WAY & FedEx Freight or ABF
Preferred Carriers-Canada ABF and FedEx Freight
Other Carriers-Roadway, Yellow & USF Holland

Less Than Truckload (LTL):
(Best Price Required via Con-Way or JAHN Transfer)
(Best Price Required via ABF or FedEx Freight)

Various
Truckload and Flatbed Truckload

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For more information about these seminars or courses we offer in Spanish, contact our Training Department at 715-234-3494 ex. 5128 or visit **www.ricelake.com** and click on the link for technical training.

RICE LAKE TECHNICAL TRAINING SEMINARS

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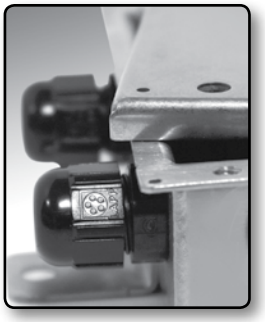


TuffSeal™ Junction Boxes

An exclusive, innovative solution to an age-old problem

TuffSeal Junction Boxes, available exclusively from Rice Lake Weighing Systems, are specifically designed to protect sensitive circuitry from damage caused by moisture. Because j-boxes are usually installed in harsh environments where exposure to the elements, humidity and extreme temperature swings are not uncommon, condensation often forms in the enclosure resulting in calibration shifts and erratic scale performance...until now. With an innovative TuffSeal junction box in place, moisture has no place to go. Its unique design inhibits moisture ingress and facilitates installation and load cell trimming.

The TuffSeal junction boxes are available in a variety of configurations to meet your scale application needs. Refer to the junction box section of this guide on page 387 for complete specifications, or call **1-800-472-6703** to speak to one of our application specialists.



One Tough Seal

Each Tuff Seal model has a unique closure design to seal out moisture, and features a Gore™ PreVent hydophobic membrane vent that allows condensation to escape. To further inhibit moisture in the junction box, desiccant packs are included for the enclosure.



RICE LAKE®
WEIGHING SYSTEMS

www.ricelake.com

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.

Load Cell Non-Warranty Evaluation Notice

Effective April 1, 2006, Rice Lake Weighing Systems has applied a per unit flat rate change of $45 for non-warranty product evaluations.

This change only applies to items returned outside the specific product warranty period and will be waived if you proceed with a billable repair.

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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 website at www.ricelake.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.

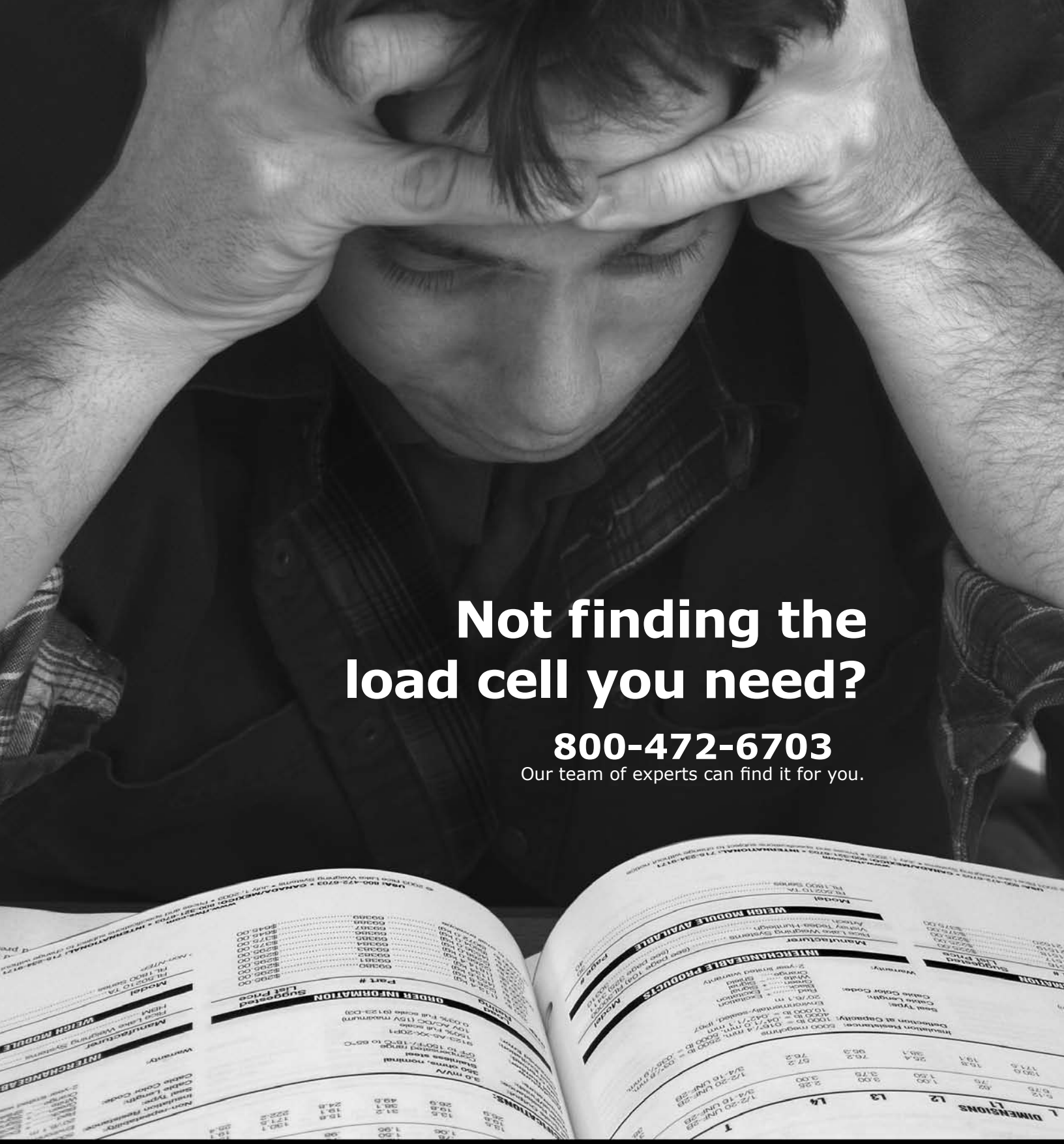
We may, at our option, assess a restocking charge if the equipment was incorrectly specified for the application intended, and/or damaged beyond reasonable repair. The restocking charge is directly proportional to the amount of time and material required to return the item to resalable condition—we will 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.



Not finding the load cell you need?

800-472-6703

Our team of experts can find it for you.

In order for us to assist you in finding the load cell you need, please have the complete model or part number that is printed on the load cell label.

U.S. 800-472-6703 • CANADA/MEXICO 800-321-6703 • INTERNATIONAL 715-234-9171

RICE LAKE®
WEIGHING SYSTEMS
Commitment Beyond Measurement®

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

For load cell sealing techniques, Rice Lake Weighing Systems uses the Ingress 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
IP69	Dust proof, protected from high pressure washing and steam cleaning

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Featured Products

Load Cell Guide Featured Product Section
A quick reference guide to new products and new features.



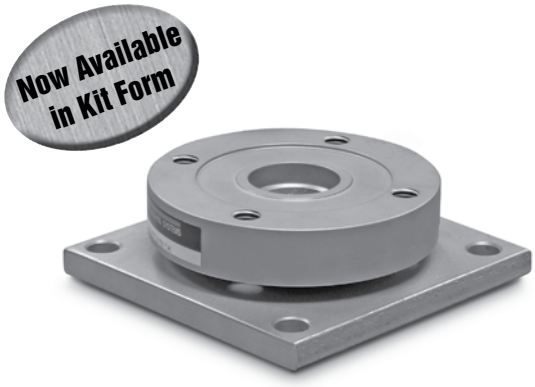
HBM PW15AH ..... Page 248

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



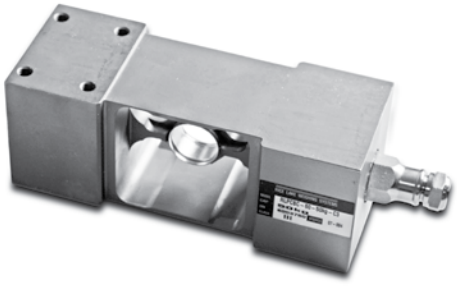
RLH35 ..... Page 111

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. Capacities from 500-5k.



RLWS RL9000 TWM ..... Page 50

The RL9000 TWM Series stainless steel weigh module is ideal for use in tank, hopper, vessel and many other applications. The low-profile design allows for economical solutions in a competive marketplace. This rugged, high-precision mount is designed for easy installation and does not require check rods or other stabilizing hardware. The RL9000 TWM mount is self-centering, allowing for side loads without sacrificing performance.



RLPCBC-60 ..... Page 152

A stainless steel, single point load cell. With capacities from 50 to 1000 kg. This load cell is NTEP and FM approved. The RLPCBC-60 is ideal for platform and other low-capacity beam applicataions. The hermetic sealing makes it ideal for harsh washdown environments.

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Featured Products

Now Available



Flintec Paramount Kits

These popular weigh module kits are now supplied with load cells that have 30 feet of cable.



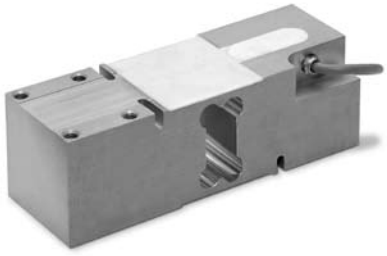
RLWS RL60040SST ..... Page 128

A stainless steel cantilever beam that is ideal for bagging scales and small platform scales. Capacities from 25 - 500lbs.



Rice Lake RLPC6 ..... Page 151

This stainless steel hermetically sealed single point provides the ultimate protection for IP69 washdown applications. The RLPC6 is NTEP and FM approved and is available in capacities from 10 kg - 200 kg.



HBM PW16 ..... Page 247

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.



RLWS RL20000 ST ..... Page 106

For suspended applications or mechanical scale conversions, this model provides protection needed in damp or dry, corrosive environments. The RL2000 ST is similar to the RL20000 SS with expanded NTEP certified capacities from 50 to 20,000 lb.



IQUBE® Digital Diagnostic Junction Box ..... Page 399

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 complements new scale installations.

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SURVIVOR 2100HE Weigh Modules, Heavy-Capacity 22

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SURVIVOR® HE Weigh Modules

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

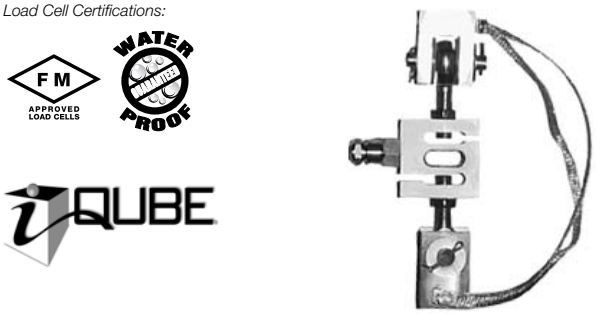


Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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 (see pages 207-208), Hermetically Sealed S-Beam load cells*
- *1 JB4SS 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:

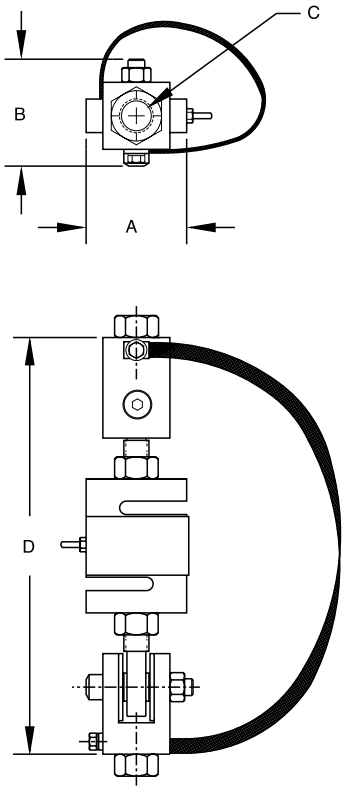
- Capacities (per module): 1 kN–20 kN (225–4500 lb/102.1–2039.43 kg)
- Clevis mounts with nylon insulating washers
- Teflon®-lined rod end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct loadcell loading even in difficult installations
- Lower overall height 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 352

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ITCM HE Specifications

Complete Kit! Compare & Save!



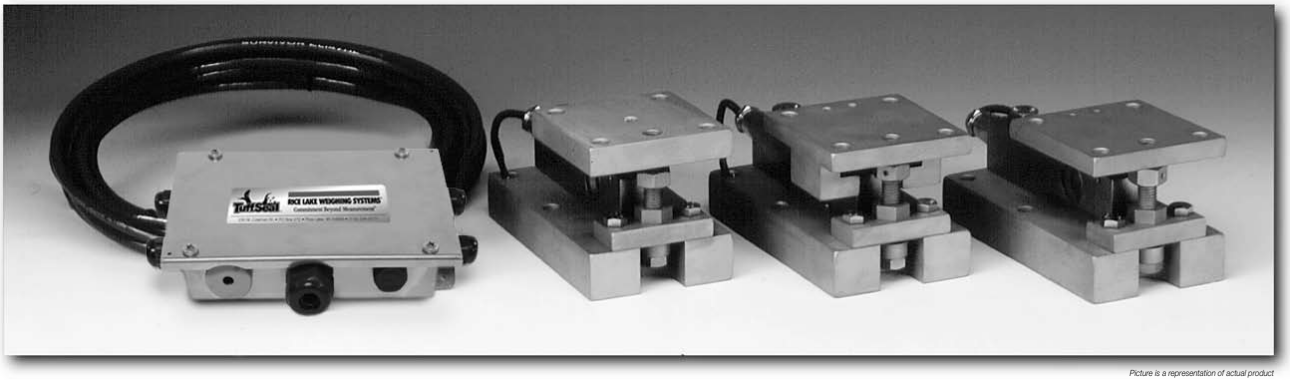
LOAD CELL CAPACITY	DIMENSIONS - INCHES (MM) A	B	C	D	ITCM HE ORDER INFORMATION Single Module Part #	Price	3-Module Kit Part #	Price	4-Module Kit Part #	Price
225 lb (102.2 kg)	2.42 (61.4)	2.68 (68.1)	1/2-13 NC	8.92 (ref) (226.5)	53168	$1,015.00	53363	$3,255.00	53358	$4,335.00
450 lb (204.1 kg)	2.42 (61.4)	2.68 (68.1)	1/2-13 NC	8.92 (ref) (226.5)	53170	$1,015.00	53364	$3,255.00	53359	$4,335.00
1125 lb (510.8 kg)	2.42 (61.4)	2.68 (68.1)	1/2-13 NC	8.92 (ref) (226.5)	53167	$1,015.00	53365	$3,255.00	53360	$4,355.00
4500 lb (2041.2 kg)	3.38 (85.9)	2.68 (68.1)	3/4-10 NC	10.12 (ref) (257.0)	53169	$1,425.00	53367	$4,550.00	53362	$5,975.00

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SURVIVOR® HE Weigh Modules

Paramounts® HE
Medium-Capacity Weigh Module Systems

Load Cells Now Have 30 ft of cable



Picture is a representation of actual product

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:

FM APPROVED LOAD CELLS *Except 225 lb & 520 lb*

NTEP

WATER PROOF *IP66/68*

iQUBE

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 JB4SS NEMA 4X stainless steel signal 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 (520 lb) stainless steel hermetically-sealed load cell (see pages 210-214)***
- ***25' of our Hostile Environment EL147HE SURVIVOR® load cell cable***

STANDARD FEATURES:

- Capacities (per module): 520 lb-22,500 lb (2.3 kN/102.1 kg-100 kN/10,205.9 kg)
- All stainless steel construction, mounts 304SS
- 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 ±.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

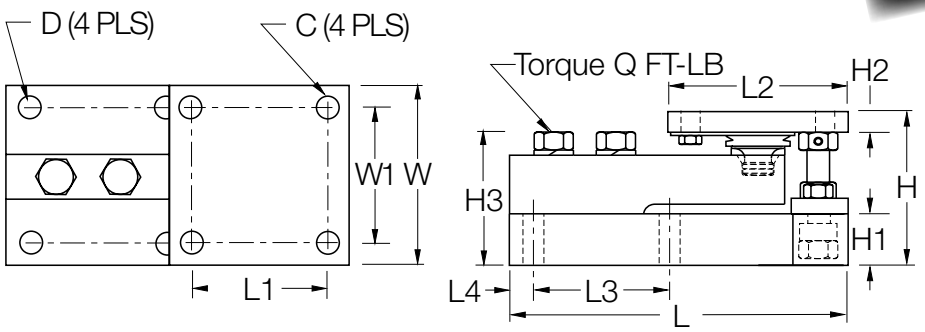
OPTIONAL FEATURES:

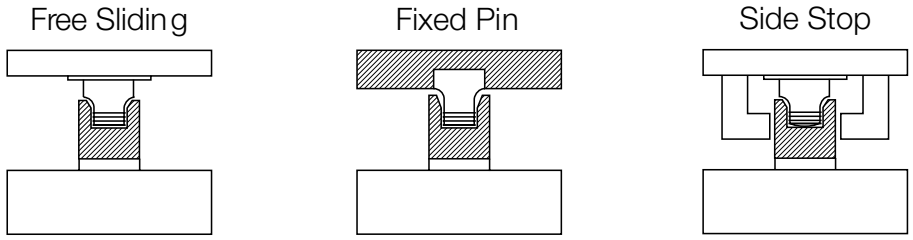
- NTEP-certified load cells available: capacities 1125-11,250 lb
- OIML-certified load cells available: capacities 1125-11,250 lb

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Paramounts Stainless Steel Specifications

Complete Kit! Compare & Save!





RATED CAPACITY	DIMENSIONS C	D	H	H1	*H2	**H2	H3	L	L1	L2	L3	L4	W	W1	Q (FT- LB)
lb/inches															
520 (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															
236.1	9.5	11.1	88.6	25.4	12.7	19.1	75.7	190.8	76.2	101.6	76.2	12.7	101.6	76.2	
510.8-2360	11.1	11.1	90.9	31.8	12.7	19.1	77.7	190.8	76.2	101.6	76.2	12.7	101.6	76.2	
5107.5	14.3	14.3	118.4	38.1	15.7	25.4	103.9	233.4	98.3	127.0	98.3	14.2	127.0	98.3	
10,215.0	17.5	17.5	162.8	50.8	19.1	31.8	145.5	291.1	120.7	152.4	120.7	17.5	152.4	120.7	

kN = Kilonewtons

** Side Stop and Free Sliding Units*

*** Fixed Pin Units*

PARAMOUNTS NTEP/OIML ORDER INFORMATION

Load Rating (per module)	Part #	Price
NTEP/OIML C3 3-Module Kit		
1125 lb (5 kN/510.8 kg)	29883	$3,395.00
2250 lb (10 kN/1021.5 kg)	29884	$3,395.00
5200 lb (23 kN/2360.8 kg)	29885	$3,395.00
11,250 lb (50 kN/5107.5 kg)	29886	$4,595.00
NTEP/OIML C3 4-Module Kit		
1125 lb (5 kN/510.8 kg)	29879	$4,495.00
2250 lb (10 kN/1021.5 kg)	29880	$4,495.00
5200 lb (23 kN/2360.8 kg)	29881	$4,495.00
11,250 lb (50 kN/5107.5 kg)	29882	$5,795.00

PARAMOUNTS NON-NTEP ORDER INFORMATION

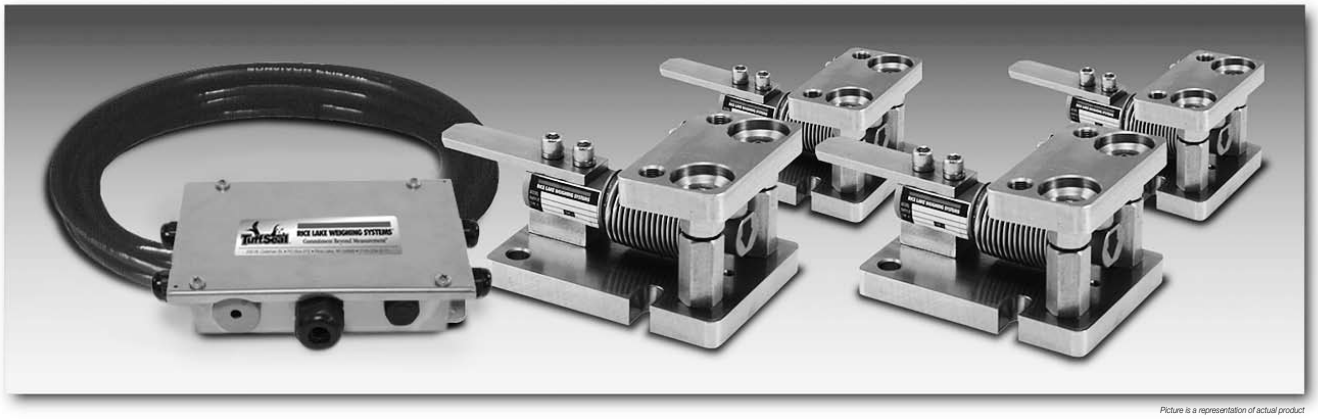
Load Rating (per module)	Part #	Price
Non-NTEP 3-Module Kit		
520 lb (2.3 kN/236.1 kg)	38207	$3,840.00
1125 lb (5 kN/510.8 kg)	17991	$3,295.00
2250 lb (10 kN/1021.5 kg)	17992	$3,295.00
5200 lb (23 kN/2360.8 kg)	17993	$3,295.00
11,250 lb (50 kN/5107.5 kg)	17994	$4,295.00
22,500 lb (100 kN/10,215.0 kg)	17995	$4,895.00
Non-NTEP 4-Module Kit		
520 lb (2.3 kN/236.1 kg)	38208	$5,025.00
1125 lb (5 kN/510.8 kg)	17998	$4,295.00
2250 lb (10 kN/1021.5 kg)	17999	$4,295.00
5200 lb (23 kN/2360.8 kg)	18000	$4,295.00
11,250 lb (50 kN/5107.5 kg)	18001	$5,395.00
22,500 lb (100 kN/10,215.0 kg)	18002	$6,795.00
***Conduit Adapter, 1/2-14 NPT	17703	$35.00

*** Suitable for Flintec SB4 Load Cell

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SURVIVOR® HE Weigh Modules

1700HE
Light- to Medium-Capacity Weigh Modules



Picture is a representation of actual product

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 5 kg to 5,000 kg 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, 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:

IP66/68

Complete Kit Includes:

- ***1 JB4SS 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 (see pages 130 & 122)***
- ***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

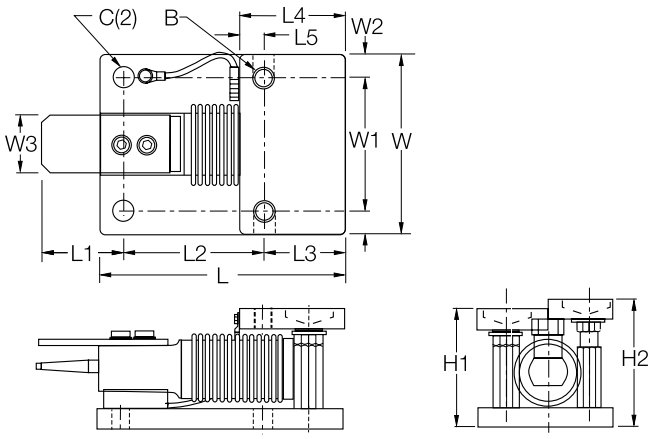
STANDARD FEATURES:

- All stainless steel construction
- Hermetically-sealed, stainless steel load cells, IP66/68, guaranteed waterproof
- OIML-certified load cells from 5 kg-5,000 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

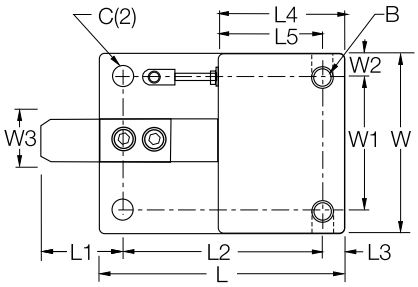
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1700HE Specifications

Complete Kit! Compare & Save!



5 kg- 50 kg capacities



500 kg-5000 kg capacities

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 #	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

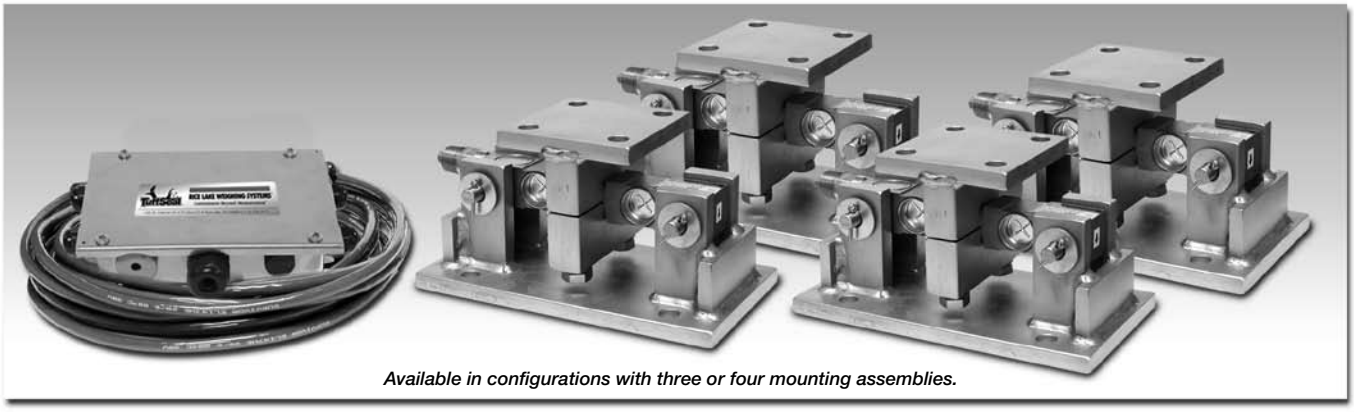
1700HE KIT ORDER INFORMATION

Load Rating (per module)	Part #	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

RL1600 HE Series
Medium-Capacity Weigh Modules



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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:

FM APPROVED LOAD CELLS

iQUBE

WATER PROOF

Complete Kit Includes:

- *1 JB4SS 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 (see page 140)*
- *25' of our Hostile Environment EL147HE SURVIVOR® load cell cable*



Fabricated stainless steel module with RL75016 WHE double-ended beam load cell. Refer to page 141 for load cell specifications.

APPLICATIONS:

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

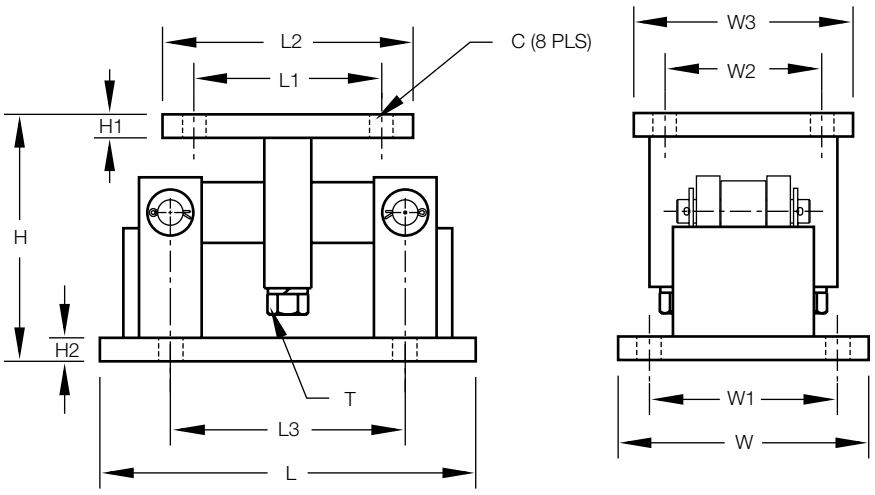
STANDARD FEATURES:

- Capacities (per module): 1000-25,000 lb (453.6-11,339.8 kg)
- All 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

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RL1600 HE 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
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

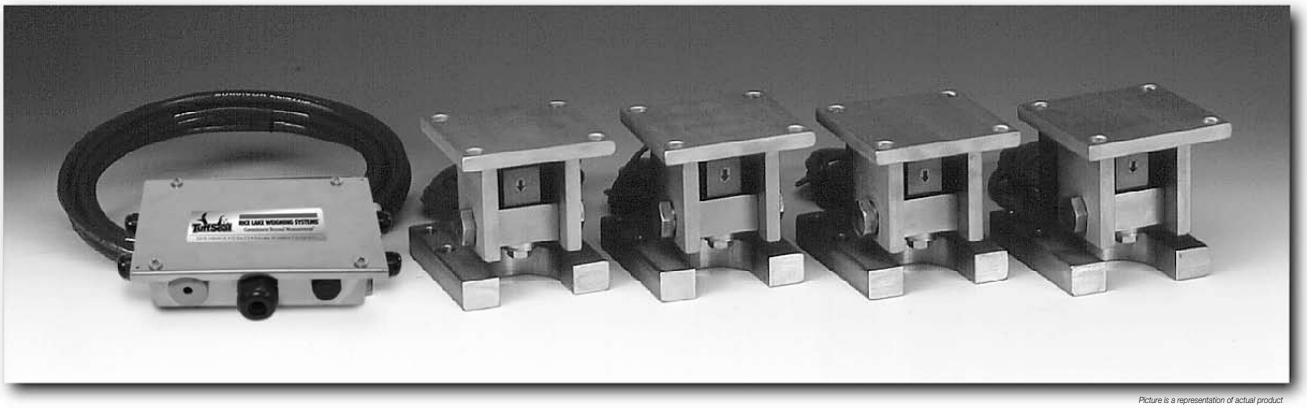
RL1600 HE ORDER INFORMATION

Load Rating (Per Module)	Part #	Price
3-Module Kit		
1000 lb (453.6 kg)	46723	$3,525.00
2500 lb (1134.0 kg)	46724	$3,525.00
5000 lb (2268.0 kg)	46725	$3,525.00
10,000 lb (4535.9 kg)	46726	$4,925.00
15,000 lb (6803.9 kg)	46727	$4,925.00
20,000 lb (9071.9 kg)	84664	$4,925.00
25,000 lb (11,339.8 kg)	46728	$4,925.00
4-Module Kit		
1000 lb (453.6 kg)	46729	$4,755.00
2500 lb (1134.0 kg)	46730	$4,755.00
5000 lb (2268.0 kg)	46731	$4,755.00
10,000 lb (4535.9 kg)	46732	$6,955.00
15,000 lb (6803.9 kg)	46733	$6,955.00
20,000 lb (9071.9 kg)	84665	$6,955.00
25,000 lb (11,339.8 kg)	46734	$6,955.00
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	$1,095.00
Dummy Load Cells (Mild Steel)		
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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SURVIVOR® HE Weigh Modules

1855HE
Medium-Capacity Weigh Modules



Picture is a representation of actual product

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:

FM APPROVED LOAD CELLS

NTEP

WATER PROOF IP67

iQUBE

IP67

Complete Kit Includes:

- ***1 JB4SS 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 (see page 118)***
- ***25' of our Hostile Environment EL147HE SURVIVOR® load cell cable***

APPLICATIONS:

- Medium-capacity hoppers, bins and 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

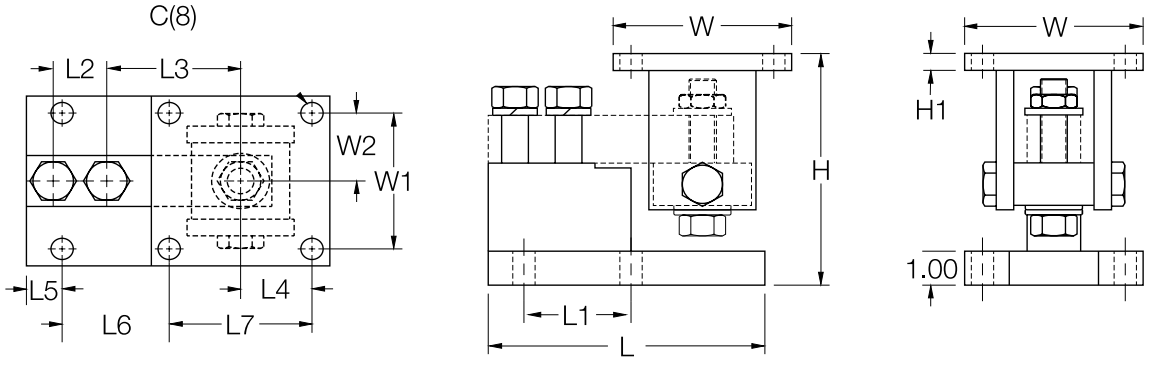
OPTIONAL FEATURES:

- RL35082 IP66/68 load cells available

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1855HE Specifications

Complete Kit! Compare & Save!



RATED CAPACITY	C	H MIN/MAX	H1	L	L1	L2	L3	L4	L5	L6	L7	W	W1	W2
						DIMENSIONS								
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 #	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

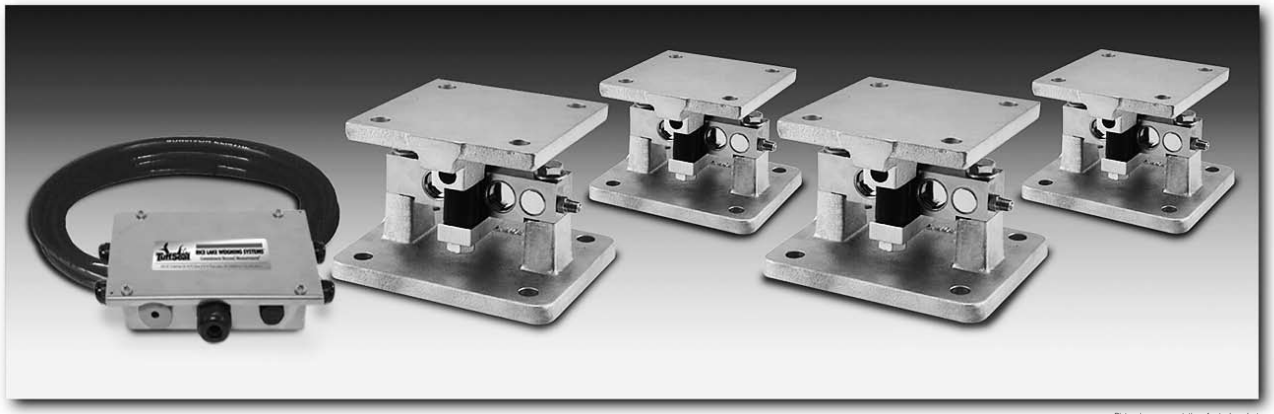
1855HE KIT ORDER INFORMATION

Load Rating (per module)	Part #	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

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SURVIVOR® HE Weigh Modules

2100HE
Heavy-Capacity Weigh Modules



Picture is a representation of actual product

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 IIIL 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.

Load Cell Certifications:

FM APPROVED LOAD CELLS

NTEP

WATER PROOF

IP67

iQUBE

Complete Kit Includes:

- ***1 JB4SS NEMA 4X stainless steel signal-trim junction box***
- ***3 or 4 2100HE stainless steel compression mounts***
- ***3 or 4 RL75060S stainless steel, welded seal double-ended beam load cells (see page 142)***
- ***25' of our Hostile Environment EL147HE SURVIVOR® load cell cable***

APPLICATIONS:

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

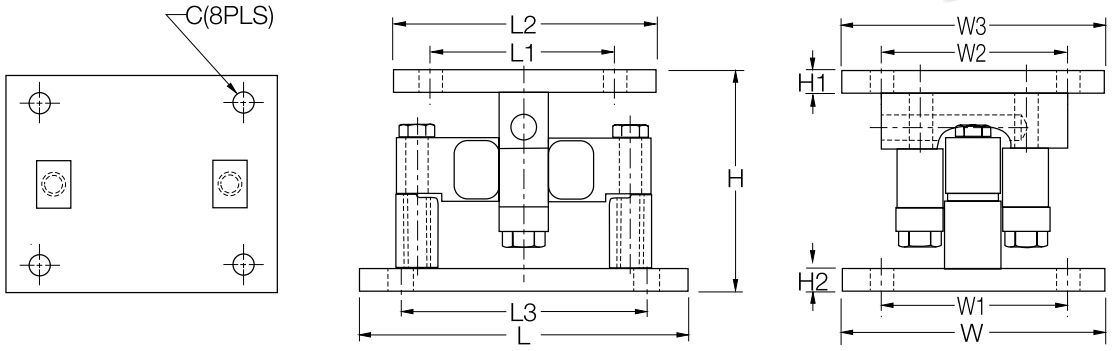
STANDARD FEATURES:

- All stainless steel construction
- Welded seal, stainless steel load cells, IP67, guaranteed waterproof
- NTEP-certified load cells, 5000d, Class IIIL/10,000d, Class IIIL 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

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2100HE Specifications

Complete Kit! Compare & Save!



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 #	Price
Single Module (Includes Load Cell)		
20,000 lb (9071.8 kg)	32951	$1,625.00
25,000 lb (11,339.8 kg)	65541	$1,625.00
35,000 lb (15,875.7 kg)	32952	$2,495.00
50,000 lb (22,679.6 kg)	32953	$2,495.00
60,000 lb (27,215.5 kg)	32954	$2,495.00
75,000 lb (34,019.4 kg)	32955	$2,495.00
100,000 lb (45,359.2 kg)	32956	$4,295.00

2100HE KIT ORDER INFORMATION

Load Rating (per module)	Part #	Price
3-Module Kit		
20,000 lb (9071.8 kg)	32970	$5,025.00
25,000 lb (11,339.8 kg)	65984	$5,025.00
35,000 lb (15,875.7 kg)	32969	$7,655.00
50,000 lb (22,679.6 kg)	32968	$7,655.00
60,000 lb (27,215.5 kg)	32967	$7,655.00
75,000 lb (34,019.4 kg)	32966	$7,655.00
100,000 lb (45,359.2 kg)	32965	$12,500.00
4-Module Kit		
20,000 lb (9071.8 kg)	32964	$6,700.00
25,000 lb (11,339.8 kg)	65983	$6,700.00
35,000 lb (15,875.7 kg)	32963	$10,140.00
50,000 lb (22,679.6 kg)	32962	$10,140.00
60,000 lb (27,215.5 kg)	32961	$10,140.00
75,000 lb (34,019.4 kg)	32960	$10,140.00
100,000 lb (45,359.2 kg)	32959	$16,540.00

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Notes:

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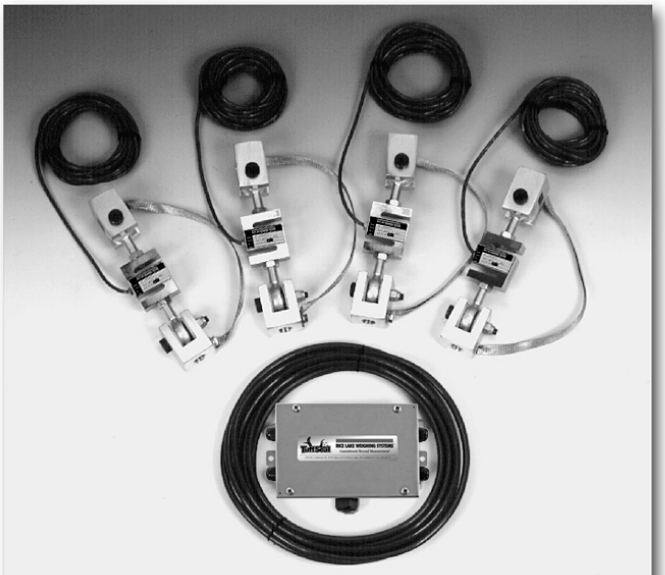
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Color Literature Available by Request

ITCM
Isolated Tension Cell Modules



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

Complete Kit Includes:

- *3 or 4 ITCM assemblies with RL20000 NTEP-certified S-Beam load cells (see page 102)*
- *1 JB4SS 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:

FM APPROVED LOAD CELLS

NTEP

iQUBE

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 height compared to other isolated tension assemblies

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



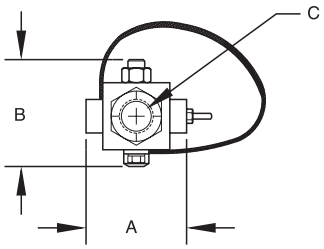
Module with RL20000 S-Beam load cell. Refer to page 102 for load cell specifications.

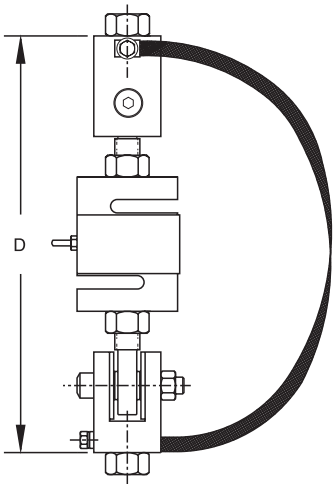
Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 365

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ITCM Specifications

Complete Kit! Compare & Save!



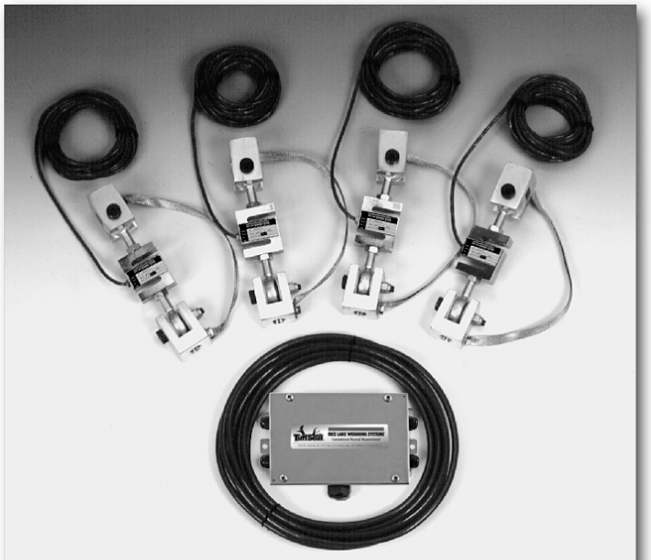


*LOAD RATING (LOAD CELL CAPACITY)	DIMENSIONS - INCHES (MM) A	B	C	D	ITCM ORDER INFORMATION Single Module Part #	Price	3-Module Kit Part #	Price	4-Module Kit Part #	Price
100 lb (45.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	17851	$450.00	18003	$1,600.00	18027	$2,050.00
100 lb (45.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	17831	$450.00	18004	$1,600.00	18028	$2,050.00
150 lb (68.0 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	30337	$450.00	30357	$1,600.00	30359	$2,050.00
150 lb (68.0 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	30336	$450.00	30358	$1,600.00	30360	$2,050.00
200 lb (90.7 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	30335	$450.00	30361	$1,600.00	30363	$2,050.00
200 lb (90.7 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	30338	$450.00	30362	$1,600.00	30364	$2,050.00
250 lb (113.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	17852	$450.00	18005	$1,600.00	18029	$2,050.00
250 lb (113.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	17832	$450.00	18006	$1,600.00	18030	$2,050.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	17853	$480.00	18007	$1,690.00	18031	$2,075.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	17858	$480.00	18008	$1,690.00	18032	$2,075.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	17833	$480.00	18009	$1,690.00	18033	$2,075.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	17854	$480.00	18010	$1,690.00	18034	$2,075.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	17859	$480.00	18011	$1,690.00	18035	$2,075.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	17834	$480.00	18012	$1,690.00	18036	$2,075.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	17855	$480.00	18013	$1,690.00	18037	$2,075.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	17860	$480.00	18014	$1,690.00	18038	$2,075.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	17835	$480.00	18015	$1,690.00	18039	$2,075.00
1500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	17856	$480.00	18016	$1,690.00	18040	$2,075.00
1500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	17861	$480.00	18017	$1,690.00	18041	$2,075.00
1500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	17836	$480.00	18018	$1,690.00	18042	$2,075.00
2000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	17857	$480.00	18019	$1,690.00	18043	$2,075.00
2000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	17862	$480.00	18020	$1,690.00	18044	$2,075.00
2000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	17837	$480.00	18021	$1,690.00	18045	$2,075.00
2500 lb (1134.0 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	17863	$480.00	18022	$1,690.00	18046	$2,075.00
2500 lb (1134.0 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	17838	$480.00	18023	$1,690.00	18047	$2,075.00
3000 lb (1360.8 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	10.50 (ref) (266.7)	30339	$520.00	30365	$1,810.00	30366	$2,310.00
5000 lb (2268.0 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	12.25 (ref) (311.2)	17864	$695.00	18024	$2,340.00	18048	$3,030.00
5000 lb (2268.0 kg)	3.37 (85.6)	3.37 (85.6)	1-8 NC	12.25 (ref) (311.2)	17839	$695.00	18025	$2,340.00	18049	$3,030.00
10,000 lb (4535.9 kg)	3.37 (85.6)	3.37 (85.6)	1-8 NC	12.25 (ref) (311.2)	17840	$695.00	18026	$2,340.00	18050	$3,030.00
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	$1,370.00	30353	$4,655.00	30354	$5,980.00
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	$1,715.00	30355	$5,455.00	30356	$7,275.00

** Load Rating is per module*

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ITCM SS
Stainless Steel Isolated Tension Cell Modules



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

Complete Kit Includes:

- *3 or 4 ITCM assemblies with RL20000 ST NTEP-certified S-Beam load cells (see page 106)*
- *1 JB4SS 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 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:

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 height compared to other isolated tension assemblies



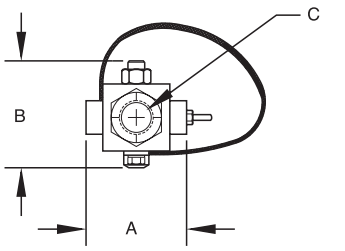
Module with RL20000 ST S-Beam load cell. Refer to page 106 for load cell specifications.

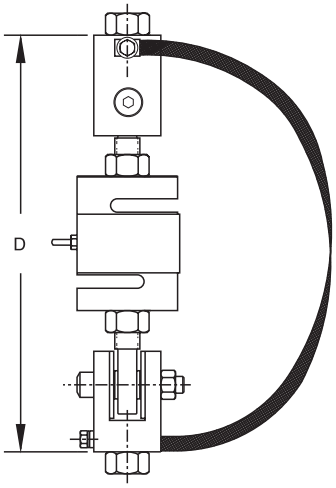
Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 365

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ITCM SS Specifications

Complete Kit! Compare & Save!



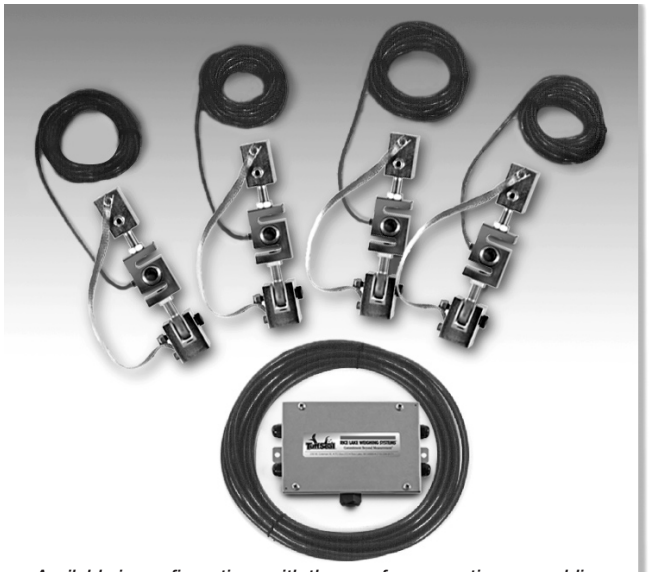


*LOAD RATING (LOAD CELL CAPACITY)	DIMENSIONS - INCHES (MM) A	B	C	D	ITCM SS ORDER INFORMATION Single Module Part #	Price	3-Module Kit Part #	Price	4-Module Kit Part #	Price
100 lb (45.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	46765	$725.00	46735	$2,385.00	46751	$3,015.00
100 lb (45.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	46766	$725.00	46736	$2,385.00	46752	$3,015.00
250 lb (113.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	46767	$725.00	46737	$2,385.00	46753	$3,015.00
250 lb (113.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	46768	$725.00	46738	$2,385.00	46754	$3,015.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46769	$725.00	46739	$2,385.00	46755	$3,015.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46770	$725.00	46740	$2,385.00	46756	$3,015.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46771	$725.00	46741	$2,385.00	46757	$3,015.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46772	$725.00	46742	$2,385.00	46758	$3,015.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46773	$725.00	46743	$2,385.00	46759	$3,015.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46774	$725.00	46744	$2,385.00	46760	$3,015.00
2500 lb (1134.0 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46775	$725.00	46745	$2,385.00	46761	$3,015.00
2500 lb (1134.0 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46776	$725.00	46746	$2,385.00	46762	$3,015.00
3000 lb (1360.8 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	10.75 (ref) (273.0)	46777	$775.00	46747	$2,535.00	46763	$3,215.00
5000 lb (2268.0 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	12.00 (ref) (304.8)	46778	$1,225.00	46748	$3,885.00	46764	$5,115.00

** Load Rating is per module*

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



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

Complete Kit Includes:

- *3 or 4 ITCM assemblies with RL20001HE Stainless Steel, Welded Seal (see page 108)*
- *NTEP-certified S-Beam load cells (Except 500 lb)*
- *1 JB4SS 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:

FM APPROVED LOAD CELLS

NTEP

(Except 500 lb)

iQUBE

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 height compared to other isolated tension assemblies



Module with RL20001 HE S-Beam load cell. Refer to page 107 for load cell specifications.

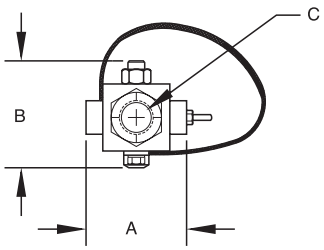
Page 181 for Celtron STC-500 lb

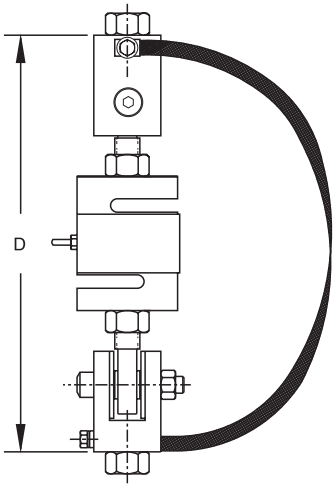
Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 365

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ITCM HE Specifications

Complete Kit! Compare & Save!





*LOAD RATING (LOAD CELL CAPACITY)	DIMENSIONS - INCHES (MM) A	B	C	D	ITCM HE ORDER INFORMATION Single Module Part #	Price	3-Module Kit Part #	Price	4-Module Kit Part #	Price
**500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46599	$825.00	46561	$2,785.00	46580	$3,515.00
**500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46600	$825.00	46562	$2,785.00	46581	$3,515.00
**500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46601	$825.00	46563	$2,785.00	46582	$3,515.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46602	$1,210.00	46564	$3,885.00	46583	$5,105.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46603	$1,210.00	46565	$3,885.00	46584	$5,105.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46604	$1,210.00	46566	$3,885.00	46585	$5,105.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46605	$1,210.00	46567	$3,885.00	46586	$5,105.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46606	$1,210.00	46568	$3,885.00	46587	$5,105.00
1000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46607	$1,210.00	46569	$3,885.00	46588	$5,105.00
1500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46608	$1,210.00	46570	$3,885.00	46589	$5,105.00
1500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46609	$1,210.00	46571	$3,885.00	46590	$5,105.00
1500 lb (680.4 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46610	$1,210.00	46572	$3,885.00	46591	$5,105.00
2000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46611	$1,210.00	46573	$3,885.00	46592	$5,105.00
2000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46612	$1,210.00	46574	$3,885.00	46593	$5,105.00
2000 lb (907.2 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46613	$1,210.00	46575	$3,885.00	46594	$5,105.00
2500 lb (1134.0 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46614	$1,210.00	46576	$3,885.00	46595	$5,105.00
2500 lb (1134.0 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46615	$1,210.00	46577	$3,885.00	46596	$5,105.00
3000 lb (1360.8 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	10.00 (ref) (254.0)	46616	$1,210.00	46578	$3,885.00	46597	$5,105.00
5000 lb (2268.0 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	12.62 (ref) (320.5)	46617	$1,695.00	46579	$5,350.00	46598	$7,025.00

* Load Rating is per module

** Non NTEP Celtron HTC load cell

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Color Literature Available by Request

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.

Picture is a representation of actual product

Complete Kit Includes:

- *1 JB4SS NEMA 4X stainless steel signal trim junction box*
- *3 or 4 RL50210 cantilever beam load cells (50-250 lb models) (see page 127)*
- *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.

Load Cell Certification:

FM APPROVED LOAD CELLS

NTEP

iQUBE

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 127 for load cell specifications. 500 lb model features RL30000 single-ended beam load cell; refer to page 108 for load cell specifications.



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:

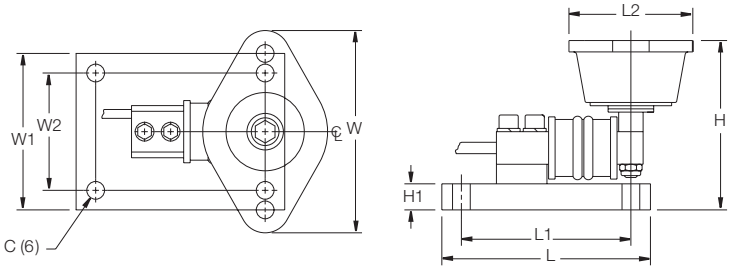
- Stainless steel modules available in 50, 100, 150, 250 and 500 lb (2237, 45.4, 68.0, 113.4, 226.8 kg) capacity with RL60040SST and RL39123 stainless steel load cells or Vishay Sensortronics 65023 SS load cells
- 65059 kits available with Vishay Sensortronics 60040 load cells, capacities: 50-250 lb (22.7-113.4 kg) or 65023 load cells, capacity: 500 lb (226.8 kg)

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RL50210 TA Specifications

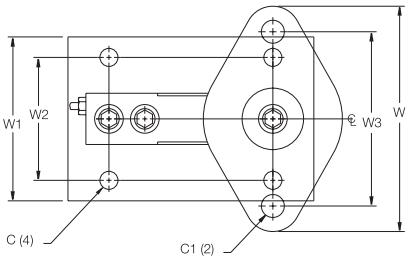
Complete Kit! Compare & Save!

50-500 lb (22.7-226.8 kg) Capacities

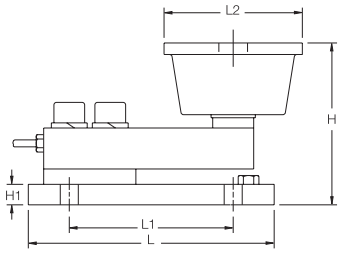


Stainless Steel Upgrade Now Available!

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 #	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	$625.00
100 lb (45.4 kg)	63034	$625.00
150 lb (68.0 kg)	63035	$625.00
250 lb (113.4 kg)	63036	$625.00
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 #	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

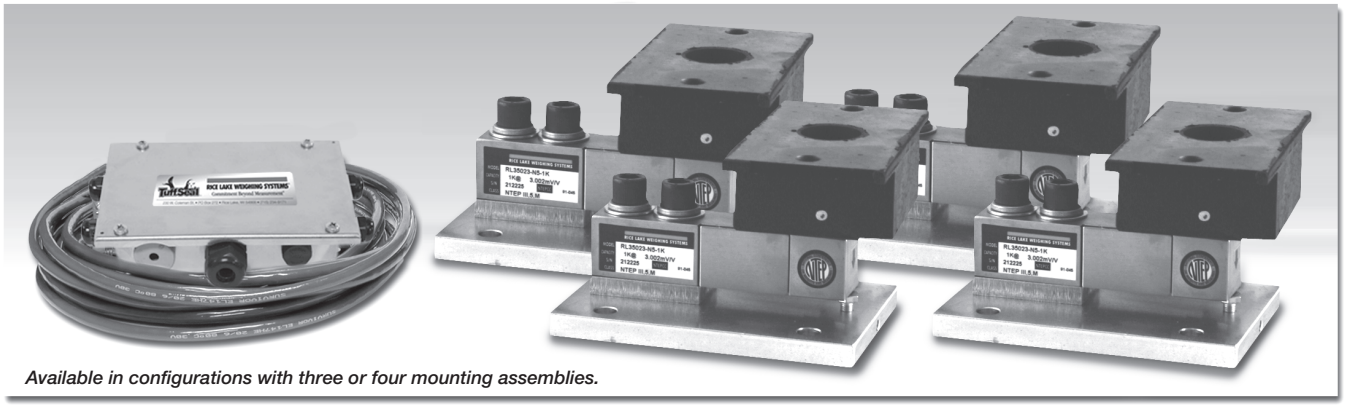
** Load Rating is per module*

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Color Literature Available by Request

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.

Picture is a representation of actual product

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.

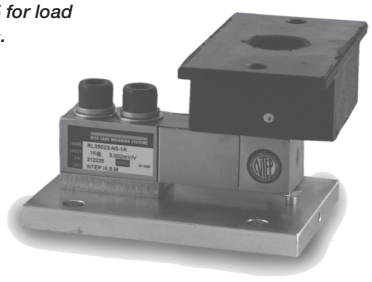
Load Cell Certifications:

FM APPROVED LOAD CELLS

NTEP

iQUBE

Module with RL35023 single-ended shear beam load cell; capacities (per module): NTEP-certified 1000 lb (453.6 kg) load cell shown. Refer to page 115 for load cell specifications.



Complete Kit Includes:

- ***1 JB4SS NEMA 4X stainless steel signal trim junction box***
- ***3 or 4 RL35023 shear beam load cells (see page 115)***
- ***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

APPLICATIONS:

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

OPTIONAL FEATURES:

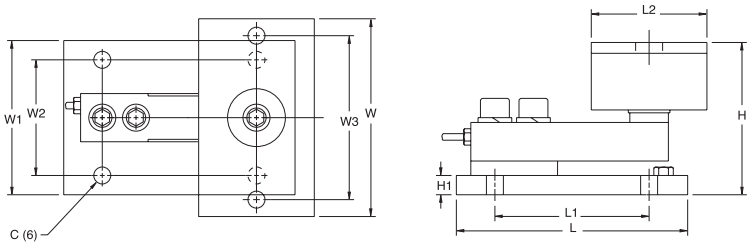
- Welded stainless steel cells available in stainless steel mounts

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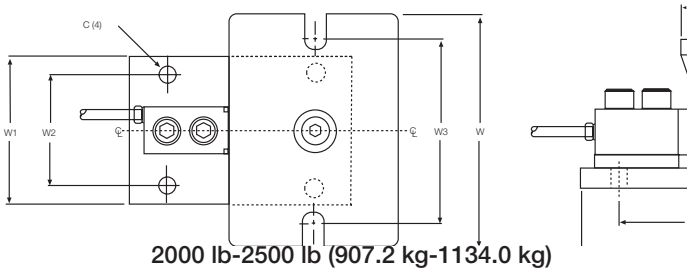
RL50210 TA Specifications

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)

Weigh Modules

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 #	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

65059 VISHAY SENSORTRONICS ORDER INFORMATION

*Load Rating (Load Cell Capacity)	Part #	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

** Load Rating is per module*

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HBM PBA35 TWA
500-2500 lb Capacity Single Mount Weighing Module



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The HBM PBA35 TWA 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:

FM APPROVED LOAD CELLS

NTEP

iQUBE

APPLICATIONS:

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

Complete Kit Includes:

- *1 JB4SS NEMA 4X stainless steel signal trim junction box*
- *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 500-2500 lb (226.8-1134.0 kg) per module
- Environmentally protected load cells
- Neoprene isolation/compression mounts allow for minor misalignment, thermal expansion and shock absorption
- Overload stop provides durability

OPTIONAL FEATURES:

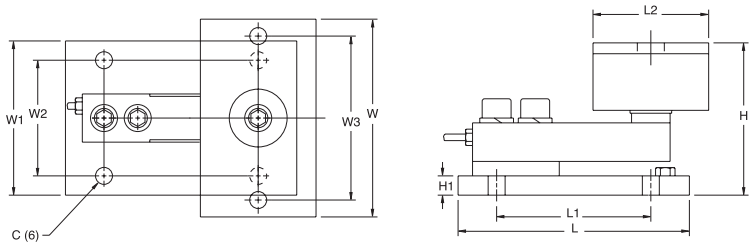
- Welded stainless steel cells available in stainless steel mounts

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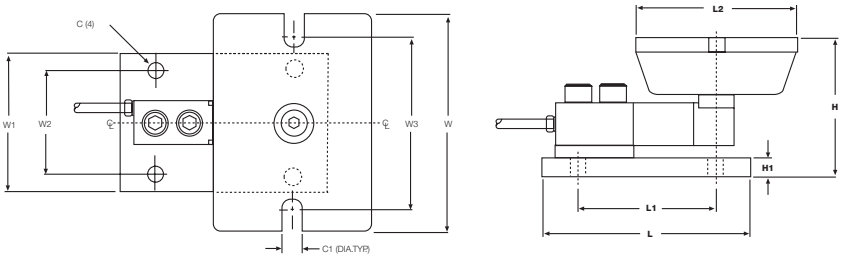
HBM PBA35 TWA Specifications

Complete Kit! Compare & Save!

500-2500 lb (453.6-1134.0 kg) Capacities



500 lb (226.8 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											
500	.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											
226.8	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

HBM PBA35 TWA ORDER INFORMATION

*Load Rating (Load Cell Capacity)	Part #	Price
Mild Steel Single Module (Includes Load Cell)		
500 lb (226.8 kg)	101882	$495.00
1000 lb (453.6 kg)	101883	$495.00
2000 lb (907.2 kg)	101884	$495.00
2500 lb (1134.0 kg)	101885	$495.00
Mild Steel 3-Module Kit		
500 lb (kg)	102324	$1,695.00
1000 lb (kg)	102325	$1,695.00
2000 lb (kg)	102326	$1,695.00
2500 lb (kg)	102327	$1,695.00
Mild Steel 4-Module Kit		
500 lb (kg)	102328	$2,195.00
1000 lb (kg)	102329	$2,195.00
2000 lb (kg)	102330	$2,195.00
2500 lb (kg)	102332	$2,195.00

** Load Rating is per module*

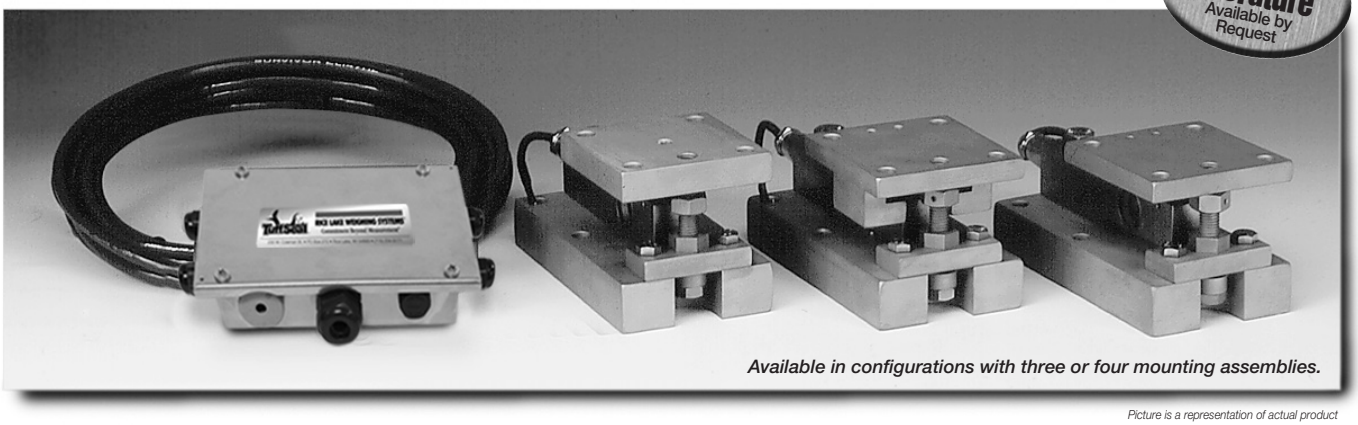
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Weigh Modules • Tank and Hopper Kits

Load Cells Now Have 30 ft of Cable

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

Color Literature Available by Request



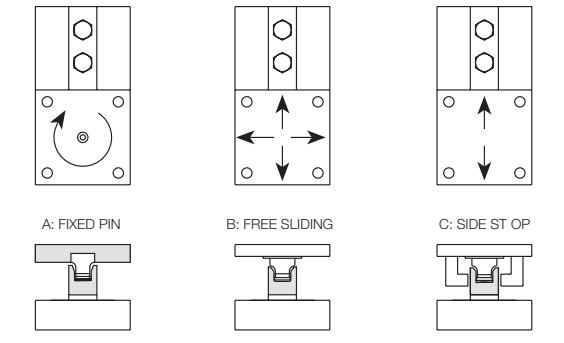
Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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

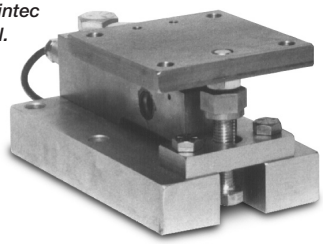
Load Cell Certifications:

FM APPROVED LOAD CELLS · NTEP · OIML · iQUBE



Fixed-Pin Mount | Free-Sliding Mount | Side-Stop Mount

Free-Sliding Module with Flintec SB5 bending beam load cell. Refer to page 211 for load cell specifications.



Complete Kit Includes:

- ***1 JB4SS NEMA 4X stainless steel signal 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 (see page 211)***
- ***30' 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:

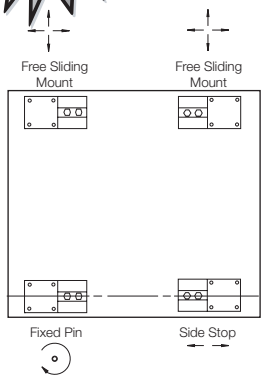
- Capacities (per module): 1125-22,500 lb (1 kN/102.1 kg-100 kN/10,205.9 kg)
- NTEP-certified load cells
- Unique design allows for thermal expansion/contraction
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique blind load hole eliminates unwanted side and eccentric loads
- Vessel is free to slide laterally on Teflon®-coated surfaces
- Load cell outputs are matched to ±.07% allowing replacement without further calibration

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Load Cells Now Have 30 ft of Cable

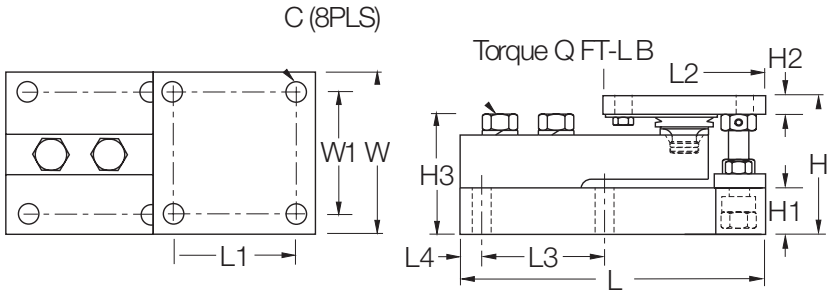
Paramounts EP Specifications

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 C	H	H1	*H2	**H2	H3	L	L1	L2	L3	L4	W	W1	Q (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 #	Price
NTEP 3-Module Kits		
1125 lb (5 kN†/510.8 kg)	33683	$2,175.00
2250 lb (10 kN†/1021.5 kg)	33682	$2,175.00
4500 lb (20 kN†/2041.2 kg)	33681	$2,175.00
11,250 lb (50 kN†/5107.5 kg)	33680	$2,495.00
NTEP 4-Module Kits		
1125 lb (5 kN†/510.8 kg)	33678	$2,900.00
2250 lb (10 kN†/1021.5 kg)	33677	$2,900.00
4500 lb (20 kN†/2041.2 kg)	33676	$2,900.00
11,250 lb (50 kN†/5107.5 kg)	33675	$3,695.00
Non-NTEP 3-Module Kit		
22,500 lb (100 kN†/10,205.8 kg)	33679	$3,975.00
Non-NTEP 4-Module Kit		
22,500 lb (100 kN†/10,215.0 kg)	33674	$4,900.00

** Side Stop and Free Sliding Units*

*** Fixed Pin Units*

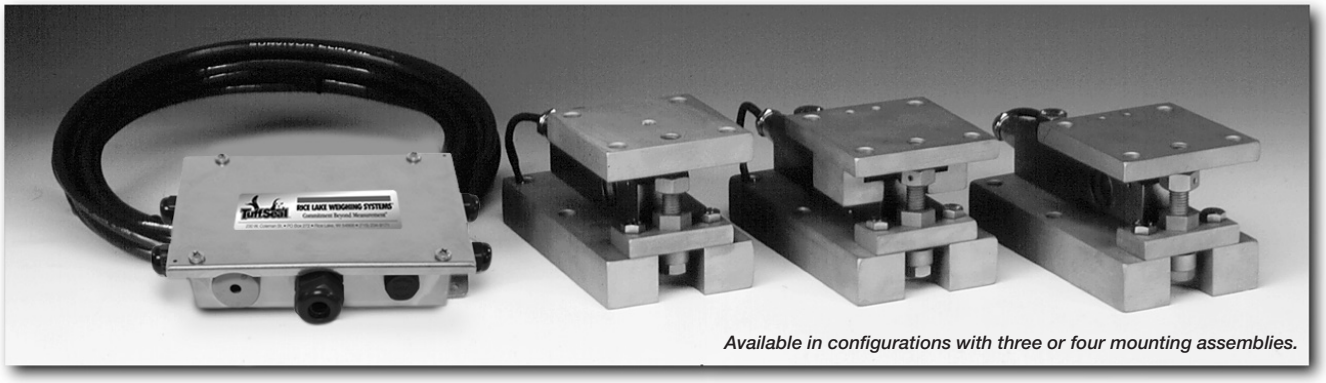
† kN = Kilonewtons 1 kN = 224.8089 lb

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Weigh Modules • Tank and Hopper Kits

Load Cells Now Have 30 ft of Cable

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



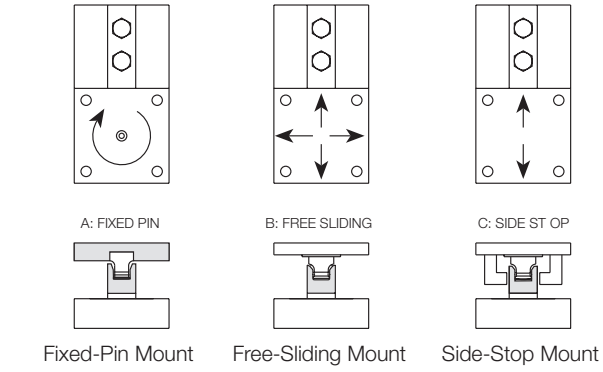
Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

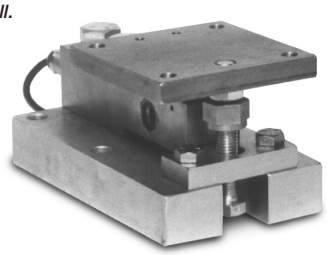
The Paramounts tank weighing system consists of one fixed-pin mount which allows only the top plate to rotate, one side-stop mount which allows the top plate to slide along the cell only, and one or more free-sliding mount(s) which allow the top plate to slide freely in all directions. This system provides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

Load Cell Certifications:

FM APPROVED LOAD CELLS *Except 520 lb*



Free-Sliding Module with Flintec SB4 bending beam load cell. Refer to page 210 for load cell specifications.



Complete Kit Includes:

- ***1 JB4SS NEMA 4X stainless steel signal 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 (520 lb) stainless steel hermetically-sealed load cell (see pages 210 & 214)***
- ***30' 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): 520-22,500 lb (2.3 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 ±.07%, allowing replacement without further calibration

OPTIONAL FEATURES:

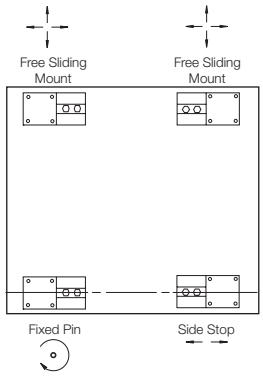
- NTEP-certified load cells available: capacities 1125-11,250 lb

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Load Cells Now Have 30 ft of Cable

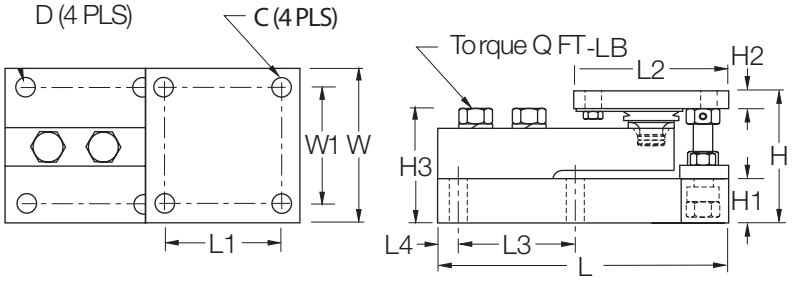
Paramounts HS Specifications

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 C	D	H	H1	*H2	**H2	H3	L	L1	L2	L3	L4	W	W1	Q (FT- LB)
lb/inches																
520	(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																
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 #	Price
NTEP 3-Module Kit			
1125 lb	(5 kN†/510.8 kg)	29871	$2,695.00
2250 lb	(10 kN†/1021.5 kg)	29872	$2,695.00
5200 lb	(23 kN†/2360.8 kg)	29873	$2,695.00
11,250 lb	(50 kN†/5107.5 kg)	29874	$3,295.00
NTEP 4-Module Kit			
1125 lb	(5 kN†/510.8 kg)	29875	$3,395.00
2250 lb	(10 kN†/1021.5 kg)	29876	$3,395.00
5200 lb	(23 kN†/2360.8 kg)	29877	$3,395.00
11,250 lb	(50 kN†/5107.5 kg)	29878	$3,895.00

** Side Stop and Free Sliding Units*

*** Fixed Pin units*

† kN = Kilonewtons 1 kN = 224.8089 lb

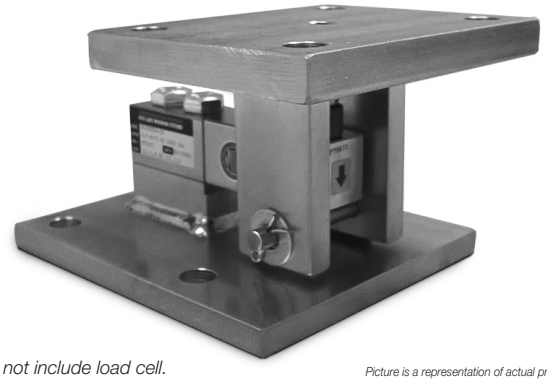
PARAMOUNTS HS MILD STEEL ORDER INFORMATION

Load Rating (Per Module)		Part #	Price
Non-NTEP 3-Module Kit			
520 lb	(2.3KN/236.1 kg)	38205	$2,295.00
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	$3,295.00
22,500 lb	(100KN/10,215.0 kg)	17981	$4,095.00
Non-NTEP 4-Module Kit			
520 lb	(2.3KN/236.1 kg)	38206	$4,395.00
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	$4,995.00
***Conduit Adapter, 1/2-14 NPT		17703	$35.00

**** Suitable for Flintec SB4 Load Cell*

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RLBTM
Mild Steel/Stainless Steel Weigh Modules



Does not include load cell.

Picture is a representation of actual product

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.

iQUBE

APPLICATIONS:

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

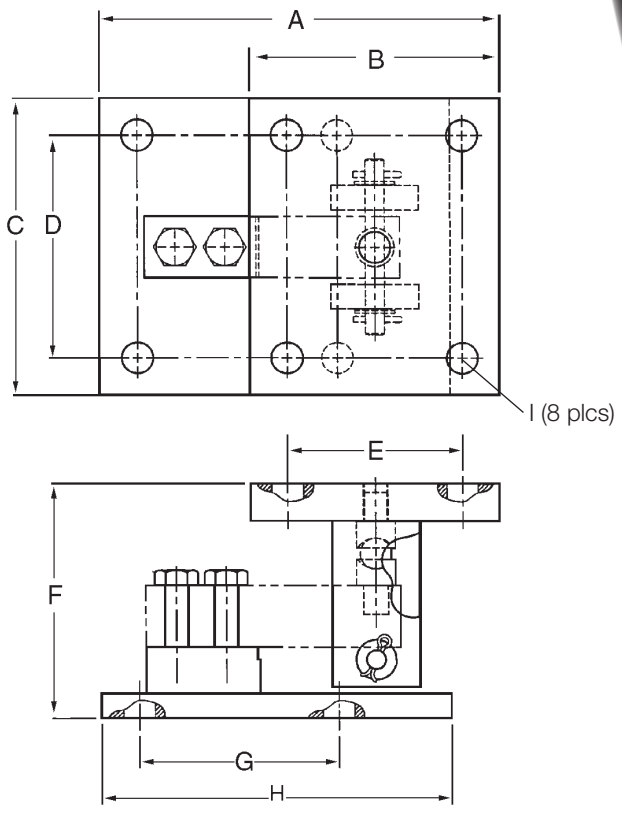
STANDARD FEATURES:

- Capacities (per module): 500-5,000 lb SE mild steel/1,000-4,000 lb stainless steel
- Zinc plated mild steel construction or stainless steel
- Ball and cup load introduction
- Self-checking, multi-directional movement
- Design incorporates a ball and cup for self centering
- The RLBTM will accommodate a standard shear beam 500 lb-5,000 lb SE load cell that has a threaded load hole. RL30000 (see page 110), RL39123 (see page 112), RL35023 (see page 115), RL35082 (see page 118), RL35083 (see page 117).

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RLBTM Specifications

Complete Kit! Compare & Save!



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 #	Price
Single Module (Does NOT Include Load Cell)		
500 lb -5,000 lb SE (113.4-2268.0 kg) ..	53059	.....$315.00

SE refers to small envelope

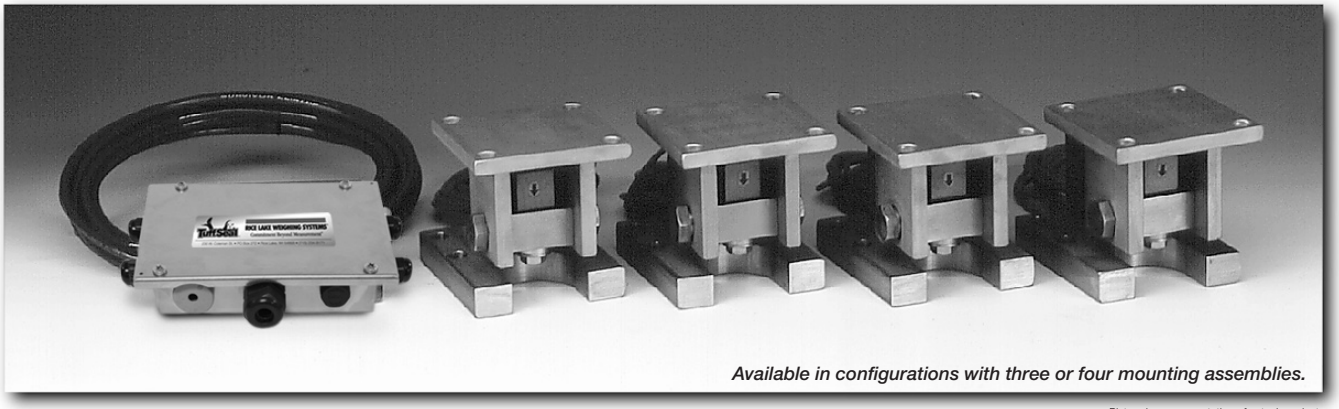
** Load Rating is per module*

RLBTM STAINLESS STEEL ORDER INFORMATION

*Load Rating (Load Cell Capacity)	Part #	Price
Single Module (Does NOT Include Load Cell)		
1,000-4,000 lb (453.6-1814.4 kg)...	53066	.....$495.00

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RL1800 Series
Mild Steel/Stainless Steel Weigh Modules



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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 RL35023 and RL35023S load cells used are NTEP certified in capacities of 1000 lb to 10,000 lb.

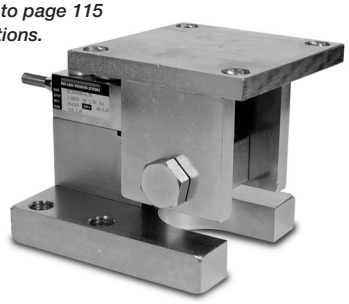
Load Cell Certifications:

FM APPROVED LOAD CELLS

NTEP

iQUBE

Module with RL35023 single-ended beam load cell. Refer to page 115 for load cell specifications.



Complete Kit Includes:

- ***1 JB4SS NEMA 4X stainless steel signal trim junction box***
- ***3 or 4 RL1800 mild or stainless steel compression mounts***
- ***3 or 4 RL35023 single-ended beam load cells, RL35023S used in stainless kits (see pages 115 & 116)***
- ***25' of our Hostile Environment EL147HE SURVIVOR® load cell cable***

APPLICATIONS:

- Conveyors
- Medium-capacity tanks and hoppers

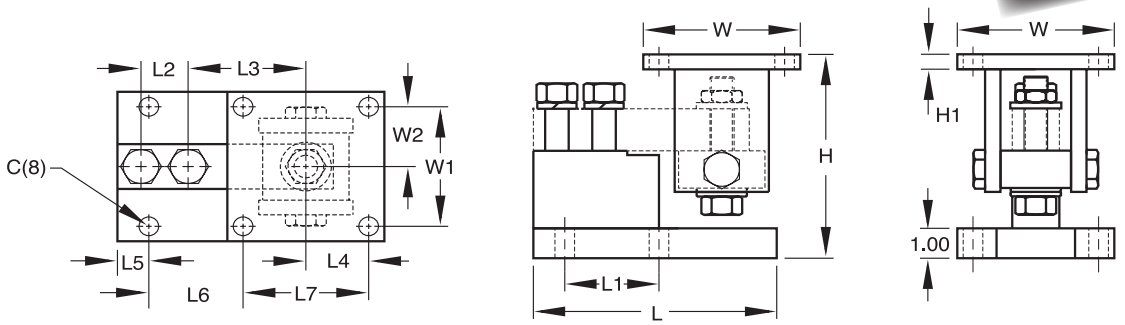
STANDARD FEATURES:

- 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

Complete Kit! Compare & Save!



RATED CAPACITY	C	H Min/Max	H1	L	L1	L2	L3	L4	L5	L6	L7	W	W1	W2
						DIMENSIONS								
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 #	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 #	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
LE 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
LE 5000 lb (2268.0 kg)	18107	$3,910.00
10,000 lb (4535.9 kg)	18108	$3,910.00

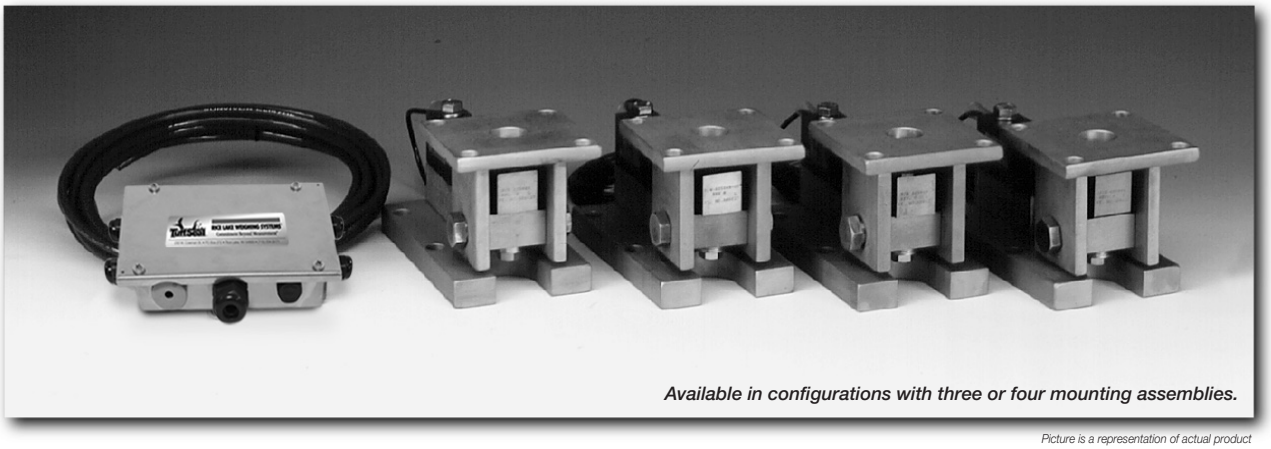
** Load Rating is per module*

*** Use RL30000 load cells*

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Color Literature Available by Request

RL1900 Series
Stainless Steel Weigh Modules



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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.

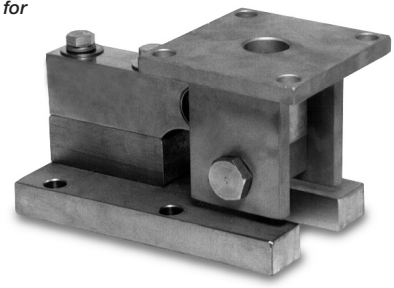
Load Cell Certifications:

FM APPROVED LOAD CELLS

NTEP

iQUBE

Module with welded-seal RLSSB single-ended beam load cell. Refer to page 123 for load cell specifications.



Complete Kit Includes:

- *1 JB4SS 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 (see page 123)*
- *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

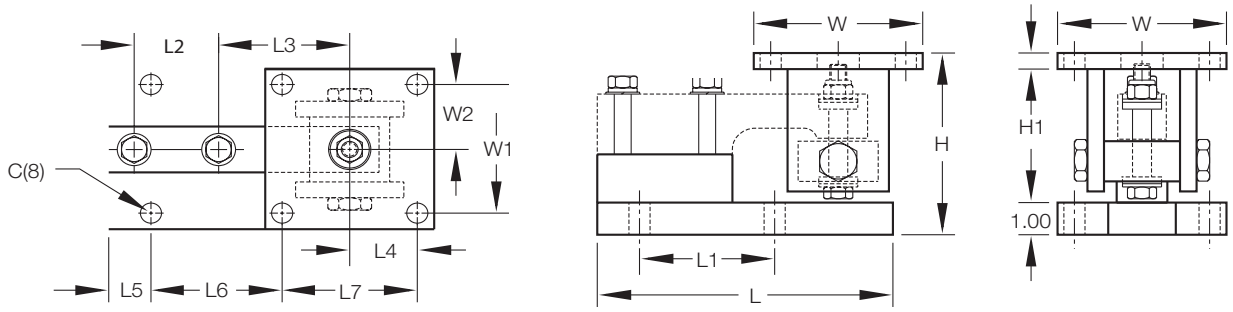
OPTIONAL FEATURES:

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

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RL1900 Series Specifications

Complete Kit! Compare & Save!



RATED CAPACITY	C	H Min/Max	H1	DIMENSIONS 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 #	Price
Single Module (Does NOT Include Load Cell)		
1000-5000 lb (453.6-2268.0 kg)	17841	$550.00
10,000 lb (4535.9 kg)	17843	$595.00
3-Module Kit		
1000 lb (453.6 kg)	18109	$3,595.00
2000 lb (907.2 kg)	18110	$3,595.00
5000 lb (2268.0 kg)	18111	$3,595.00
10,000 lb (4535.9 kg)	18112	$3,995.00
4-Module Kit		
1000 lb (453.6 kg)	18113	$4,795.00
2000 lb (907.2 kg)	18114	$4,795.00
5000 lb (2268.0 kg)	18115	$4,795.00
10,000 lb (4535.9 kg)	18116	$5,295.00

** Load Rating is per module*

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Weigh Modules

RTM
Stainless Steel Tank Weigh Module, HBM



Picture is a representation of actual product

Now in Kit Form

The RTM weigh module assembly features a stainless steel, hermetically sealed H 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 30' (500 lb to 10,000 lb) or 15' (4,000 lb) of cable, one mount, and all associated hardware.

Load Cell Certifications:

FM APPROVED LOAD CELLS

iQUBE

Complete Kit Includes:

- *1 JB4SS NEMA 4X stainless steel signal trim junction box*
- *3 or 4 HBM RTM stainless steel mounting assemblies*
- *25' of our Hostile Environment EL147HE SURVIVOR® load cell cable*

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 (4,000 lb), 30' cable (500-10,000 lb)

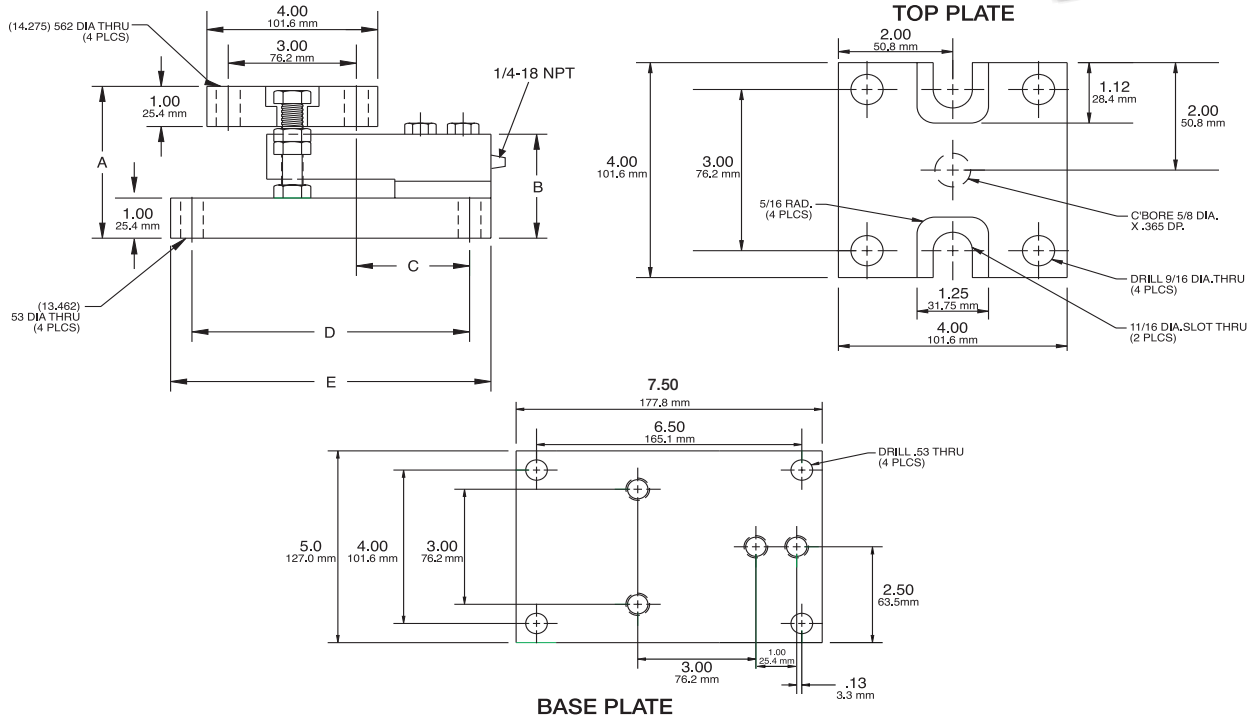
SPECIFICATIONS:

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 (4k) 30'/9.1 m (5-10k)
Cable Color Code:	Green..... + Excitation Black..... – Excitation White ..... + Signal Red..... – Signal
Warranty:	1-year limited warranty

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RTM Specifications

Complete Kit! Compare & Save!



RATED CAPACITY	DIMENSIONS A	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					
226.8-1134	96.0	65.7	67.3	165.1	190.5
1814.4	100.0	65.7	67.3	165.1	190.5
2268	102.3	71.8	67.3	165.1	190.5
4536	108.7	78.2	99.0	190.5	215.9

RTM ORDER INFORMATION

Load Rating	Part #	Price
500 lb (226.8 kg)	69347	$895.00
1250 lb (567.0 kg)	69346	$895.00
2500 lb (1134.0 kg)	69348	$895.00
4000 lb (1814.4 kg)	69349	$895.00
5000 lb (2268.0 kg)	69350	$995.00
10,000 lb (4536.0 kg)	69351	$995.00
3-Module Kit		
500 lb (226.8 kg)	98949	$2,795.00
1250 lb (567.0 kg)	98950	$2,795.00
2500 lb (1134.0 kg)	98951	$2,795.00
4000 lb (1814.4 kg)	98952	$2,795.00
5000 lb (2268.0 kg)	98953	$3,095.00
10,000 lb (4536.0 kg)	98954	$3,095.00

RTM REPLACEMENT LOAD CELL INFORMATION

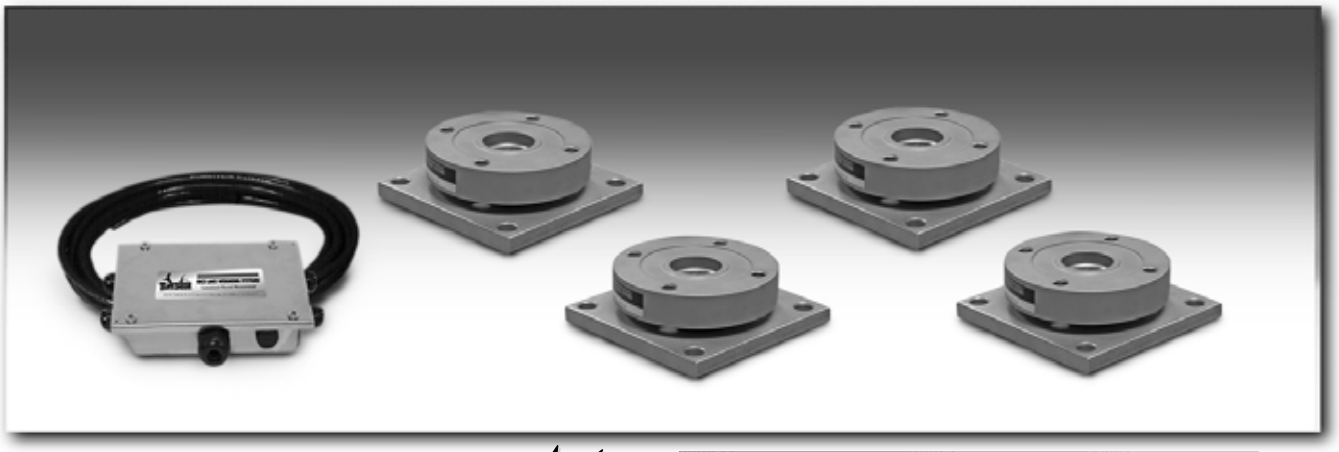
Load Rating	Part #	Price
500 lb (226.8 kg)	69999	$450.00
1250 lb (567.0 kg)	70002	$450.00
2500 lb (1134.0 kg)	70005	$450.00
4000 lb (1814.4 kg)	70008	$450.00
5000 lb (2268.0 kg)	70009	$575.00
10,000 lb (4536.0 kg)	70014	$695.00
4-Module Kit		
500 lb (226.8 kg)	98955	$3,795.00
1250 lb (567.0 kg)	98956	$3,795.00
2500 lb (1134.0 kg)	98957	$3,795.00
4000 lb (1814.4 kg)	98958	$3,795.00
5000 lb (2268.0 kg)	98959	$4,095.00
10,000 lb (4536.0 kg)	98960	$4,095.00

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Color Literature Available by Request

RL9000 TWM Series

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



Picture is a representation of actual product

Now in Kit Form

FM APPROVED

The RL9000 TWM Series stainless steel weigh module is 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 RL9000 TWM mount has the added feature of self centering, allowing for side loads without sacrificing performance. The stainless steel construction and welded seal offer additional protection in washdown areas.

iQUBE

Assembly with integral RL9000 TWM compression disk load cell. See next page for load cell specifications.



Complete Kit Includes:

- *1 JB4SS NEMA 4X stainless steel signal trim junction box*
- *3 or 4 HBM RTM stainless steel mounting assemblies*
- *25' of our Hostile Environment EL147HE SURVIVOR® load cell cable*

APPLICATIONS:

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

STANDARD FEATURES:

- Capacities: 1000-450,000 lb
- Very low profile design
- 3 mV/V output
- Self-centering in all directions
- Self-checking assembly
- Offers 100% sideload, 100% uplift and 300% ultimate overload protection
- Stainless steel construction
- Welded seal
- Weighs accurately with as much as a 3° on-parallel load
- Integral 25' cable

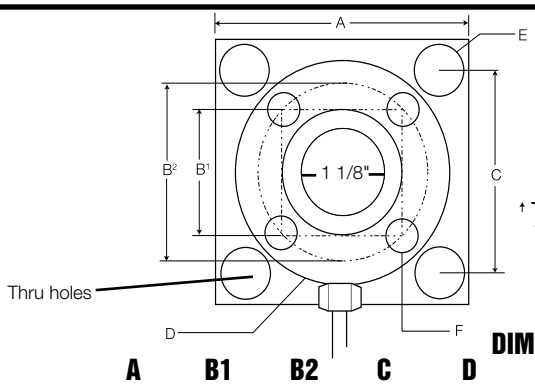
OPTIONAL FEATURES:

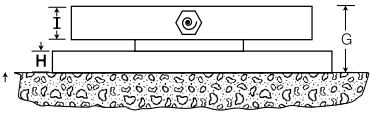
- Stainless steel top plates
- Stainless steel base plates standard
- High temperature (up to 400°F) option

**150K-450K have mild steel painted base plate*

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RL9000 TWM Series Specifications





Low Profile Design

RATED CAPACITY	DIMENSIONS A	B1	B2	C	D	E	F	G	H	I	CONDUIT ADAPTER
kg/lb											
1-15k	4.0	2.0 sq	NA	3.25	3.5	0.4	3/8-16	1k-10k 1.35 15k 1.60	1k-10k 0.375 15k .625	0.75	N/A
20-50k	7.0	3.75 sq	NA	5.5	6.0	0.63	1/2-13	2.48	0.75	1.3	1/2-14 NPT
60-100k	8.0	4.25 sq	NA	6.5	7.0	0.81	3/4-16	2.50	1.0	1.3	1/2-14 NPT
150-200k	10.0	NA	7.75 BC	8.0	9.0	1.1	1"-14	4.75	2.0	1.7	1/2-14 NPT
250-450k	12.0	NA	7.75 BC	10.0	10.0	1.3	7/8-14	6.42	3.0	2.25	1/2-14 NPT

LOAD CELL SPECIFICATIONS:

Full Scale Output: 3 mv/v +/- .1%
Bridge Resistance: 350 ohms
Material/Finish: Stainless steel*
Safe Overload: 150% F.S.
Rated Excitation: 10 V DC
Operating Temperature: 0° to 150° F
Insulation Resistance: 5000 megohms
Seal Type: Welded seal IP 67
Cable Length: 25'
Cable Color Code: +.....Excitation Green
-.....Excitation Black
+.....Signal White
-.....Signal Red
Warranty: 2 years

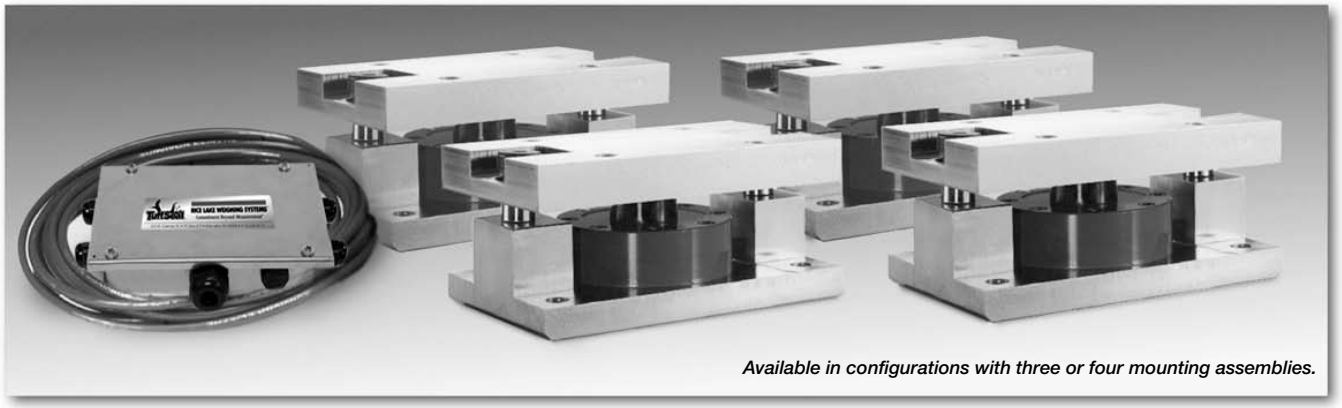
RL9000 TWM SERIES ORDER INFORMATION

Load Rating	Part #	Price
Single Module		
1000 lb	84353	$595.00
2500 lb	84354	$595.00
5000 lb	84355	$595.00
10,000 lb	84356	$595.00
15,000 lb	84357	$595.00
20,000 lb	84358	$1,195.00
25,000 lb	84359	$1,195.00
35,000 lb	84360	$1,195.00
50,000 lb	84361	$1,195.00
60,000 lb	84362	$2,095.00
75,000 lb	84363	$2,095.00
100,000 lb	84364	$2,095.00
150,000 lb	84365	$4,395.00
200,000 lb	84366	$4,395.00
250,000 lb	84368	$6,495.00
300,000 lb	84369	$6,495.00
400,000 lb	84370	$6,495.00
450,000 lb	84371	$6,495.00
Top Plates (Stainless Steel) with bolts		
1-15K	91207	$150.00
20-50K	91210	$225.00
60-100K	91211	$695.00
150-200K	91213	$895.00
250-450K	91215	$1,695.00
3-Module Kit		
1000 lb	98974	$1,995.00
2500 lb	98980	$1,995.00
5000 lb	98981	$1,995.00
10,000 lb	98982	$1,995.00
15,000 lb	98983	$1,995.00
3-Module Kit		
20,000 lb	98984	$3,795.00
25,000 lb	98985	$3,795.00
35,000 lb	98986	$3,795.00
50,000 lb	98987	$3,795.00
60,000 lb	98988	$6,495.00
75,000 lb	98989	$6,495.00
100,000 lb	98990	$6,495.00
150,000 lb	98991	$13,395.00
200,000 lb	98992	$13,395.00
250,000 lb	98993	$19,695.00
300,000 lb	98994	$19,695.00
400,000 lb	98995	$19,695.00
450,000 lb	98996	$19,695.00
4-Module Kit		
1000 lb	98997	$2,495.00
2500 lb	98998	$2,495.00
5000 lb	98999	$2,495.00
10,000 lb	99000	$2,495.00
15,000 lb	99001	$2,495.00
20,000 lb	99002	$4,895.00
25,000 lb	99003	$4,895.00
35,000 lb	99004	$4,895.00
50,000 lb	99005	$4,895.00
60,000 lb	99006	$8,495.00
75,000 lb	99007	$8,495.00
100,000 lb	99008	$8,495.00
150,000 lb	99009	$17,695.00
200,000 lb	99010	$17,695.00
250,000 lb	99011	$26,095.00
300,000 lb	99012	$26,095.00
400,000 lb	99013	$26,095.00
450,000 lb	99014	$26,095.00

** 150K-450K have mild steel painted base plates*

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RL2200 Series
Tank, Hopper & Vessel Weighing Assembly, Rice Lake Weighing Systems



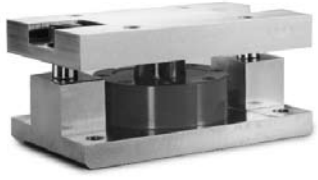
Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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.

iQUBE

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



Complete Kit Includes:

- *1 JB4SS 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

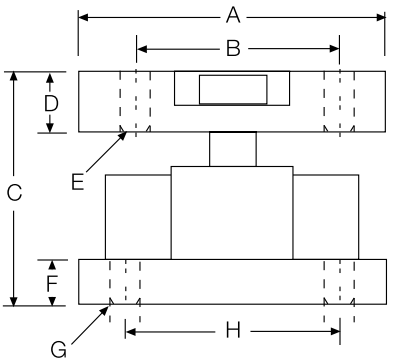
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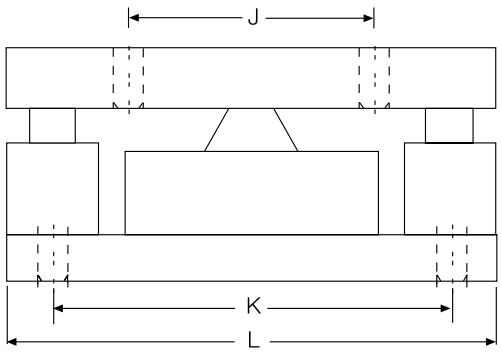
- Capacities: 2500-50,000 lb (1134-22,680 kg)
- Low-profile design
- High 4 mV/V output (2 mV/V, 2500 lb)
- Self-centering in all directions—able to withstand excessive side loads
- Self-checking assembly

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RL2200 Series Specifications

Complete Kit! Compare & Save!





Expanded Capacity Range!

Weigh Modules

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, painted
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
White .....+ Signal
Green.....– Signal
Warranty: 2-year limited warranty

**Compression load application*

RL2200 SERIES ORDER INFORMATION

Load Rating	Part #	Price
Single Module		
2500 lb (1134 kg)	76656	$1,495.00
5000 lb (2268 kg)	45849	$1,495.00
10,000 lb (4536 kg)	45848	$1,495.00
25,000 lb (11,340 kg)	45847	$1,995.00
50,000 lb (22,680 kg)	45846	$1,995.00
3-Module Kit		
2500 lb (1134 kg)	76897	$4,595.00
5000 lb (2268 kg)	42811	$4,595.00
10,000 lb (4536 kg)	42812	$4,595.00
25,000 lb (11,340 kg)	42813	$5,995.00
50,000 lb (22,680 kg)	42814	$5,995.00
4-Module Kit		
2500 lb (1134 kg)	76898	$5,995.00
5000 lb (2268 kg)	42815	$5,995.00
10,000 lb (4536 kg)	42816	$5,995.00
25,000 lb (11,340 kg)	42817	$6,995.00
50,000 lb (22,680 kg)	42818	$6,995.00

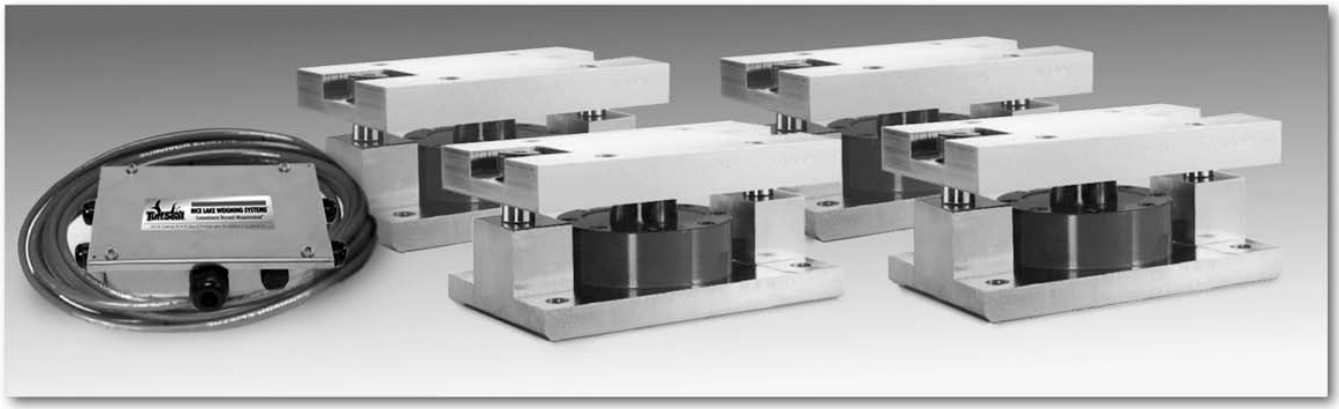
RL2200 SERIES REPLACEMENT LOAD CELL ORDER INFORMATION

Load Rating	Part #	Price
2500 lb (1134 kg)	76654	$1,195.00
5000 lb (2268 kg)	45708	$1,195.00
10,000 lb (4536 kg)	45709	$1,195.00
25,000 lb (11,340 kg)	45710	$1,495.00
50,000 lb (22,680 kg)	45711	$1,495.00

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RL2200 SS Series

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



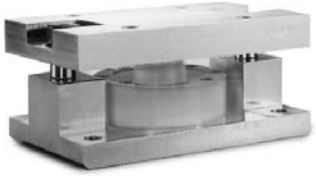
The RL2200 SS Series mounts are ideal for use in tank, hopper, vessel and many other applications. The low-profile design allows for economical solutions in a competitive marketplace. This rugged, high-precision mount is designed for easy installation and does not require check rods or other stabilizing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

iQUBE

Complete Kit Includes:

- *1 JB4SS 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*

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



APPLICATIONS:

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

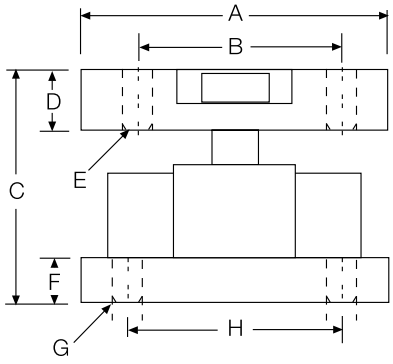
STANDARD FEATURES:

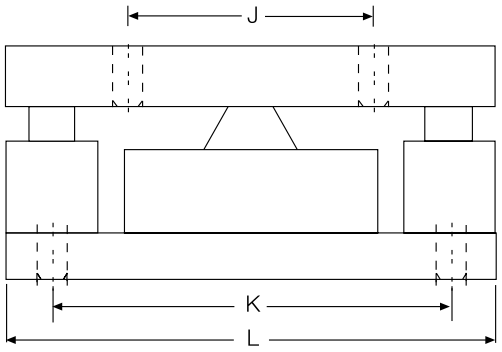
- Capacities: 2500-50,000 lb (1134-22,680 kg)
- Low-profile design
- High 4 mV/V output (2 mV/V, 2500 lb)
- Self-centering in all directions—able to withstand excessive side loads
- Self-checking assembly

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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 White .....+ Signal Green.....– Signal
Warranty:	2-year limited warranty

** Compression load application*

RL2200 SS SERIES ORDER INFORMATION

Load Rating	Part #	Price
Single Module		
2500 lb (1134 kg)	76657	$2,195.00
5000 lb (2268 kg)	45845	$2,195.00
10,000 lb (4536 kg)	45844	$2,195.00
25,000 lb (11,340 kg)	45843	$3,095.00
50,000 lb (22,680 kg)	45842	$3,095.00
3-Module Kit		
2500 lb (1134 kg)	76899	$6,195.00
5000 lb (2268 kg)	46478	$6,195.00
10,000 lb (4536 kg)	46479	$6,195.00
25,000 lb (11,340 kg)	46480	$8,995.00
50,000 lb (22,680 kg)	46481	$8,995.00
4-Module Kit		
2500 lb (1134 kg)	76900	$8,195.00
5000 lb (2268 kg)	46482	$8,195.00
10,000 lb (4536 kg)	46483	$8,195.00
25,000 lb (11,340 kg)	46484	$11,695.00
50,000 lb (22,680 kg)	46485	$11,695.00

RL2200 SS SERIES REPLACEMENT LOAD CELL ORDER INFORMATION

Load Rating	Part #	Price
2500 lb (1134 kg)	76655	$1,360.00
5000 lb (2268 kg)	45712	$1,360.00
10,000 lb (4536 kg)	45713	$1,360.00
25,000 lb (11,340 kg)	45714	$1,525.00
50,000 lb (22,680 kg)	45715	$1,525.00

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RLC
Stainless Steel Weigh Modules, Revere Transducers



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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 harshest environments.

Load Cell Certifications:

FM APPROVED LOAD CELLS

iQUBE

Module with hermetically-sealed RLC compression canister load cell. Refer to page 279 for load cell specifications.



Complete Kit Includes:

- ***1 JB4SS NEMA 4X stainless steel signal trim junction box***
- ***3 or 4 RLC stainless steel compression mounts (see page 279)***
- ***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

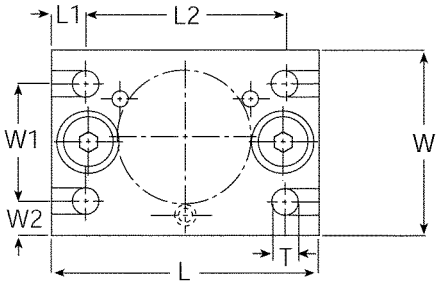
STANDARD FEATURES:

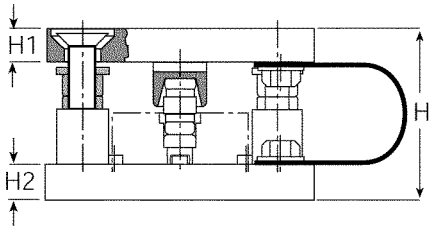
- Capacities (per module): 500-5000 kg (1102.3-11,023.1 lb)
- Matched output load cells eliminate trimming
- 304 stainless steel construction
- Rocker pin design allows movement in all directions
- Hermetically-sealed, IP66/68 stainless steel load cells
- Easy load cell replacement
- Integral jacking/shipping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

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RLC Specifications

Complete Kit! Compare & Save!





RATED CAPACITY	DIMENSIONS H	H1	H2	L	L1	L2	T	W	W1	W2
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 #	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*

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220 UNIVERSAL MOUNT
Stainless Steel Weigh Modules, Vishay Tedea-Huntleigh



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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.

Load Cell Certifications:

NTEP OIML iQUBE

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



Complete Kit Includes:

- *1 JB4SS NEMA 4X stainless steel signal trim junction box*
- *3 or 4 220 stainless steel compression mounts*
- *3 or 4 220 stainless steel hermetically-sealed compression disk load cells*
- *25' of our Hostile Environment EL147HE SURVIVOR® load cell cable*

APPLICATIONS:

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

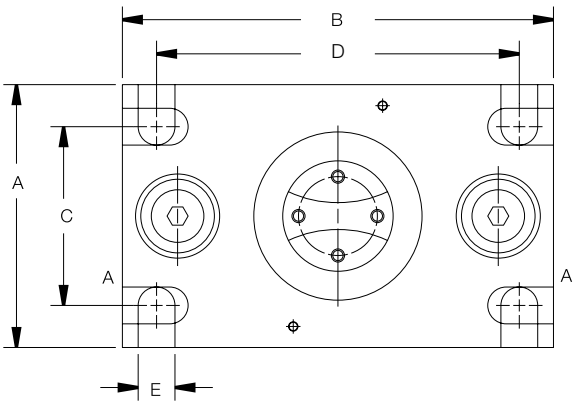
STANDARD FEATURES:

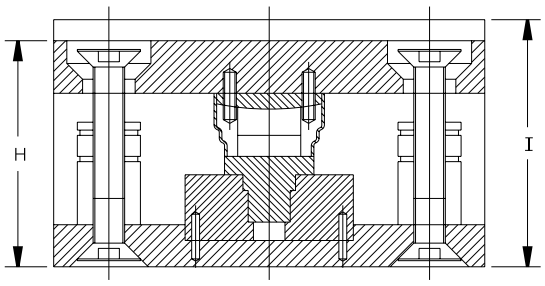
- Capacities (per module): 5,000-30,000 kg (11,023.1-66,139.0 lb)
- Matched output load cells eliminate trimming
- 304 stainless steel construction
- Hermetically-sealed, IP68 stainless steel load cells
- Easy load cell replacement
- Integral jacking/shipping bolts

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220 Universal Mount Specifications

Complete Kit! Compare & Save!





RATED CAPACITY	DIMENSIONS A	B	C	D	E	H	I
kg/mm							
5,000-10,000	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
44,092.7/66,139.0	5.98	9.65	4.53	8.19	.94	5.83	6.14

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 1000 ohms, nominal
Material/Finish: Stainless Steel
Temperature: Operating temperature range 14°F to 104°F/-10°C to 40°C
Safe Overload: 150% at center loading point, full scale
Rated Excitation: 10V DC (15V maximum)
Total Error: 0.020% Full scale
Insulation Resistance: 2000 megohms
Seal Type: Hermetically-sealed, IP68
Cable Length: 5 m (5,000 kg), 10 m (10,000-20,000 kg)
20 m (30,000 kg)
Cable Color Code:
Blue ..... + Excitation
Black..... – Excitation
Green..... + Sense
Grey ..... – Sense
White ..... + Signal
Red..... – Signal
Warranty: 1-year limited warranty

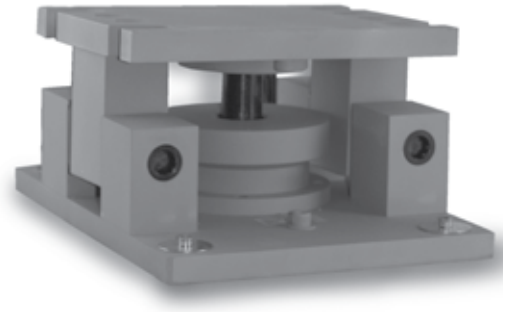
220 UNIVERSAL MOUNT ORDER INFORMATION

Load Rating (Load Cell Capacity)	Part #	Price
3-Module Kit (Includes Load Cell)		
5000 kg (11,023.1 lb)	66208	$4,395.00
10,000 kg (22,046.3 lb)	66209	$4,395.00
20,000 kg (44,092.7 lb)	66210	$5,595.00
30,000 kg (66,139.0 lb)	66211	$5,595.00
4-Module Kit (Includes Load Cell)		
5000 kg (11,023.1 lb)	66212	$5,785.00
10,000 kg (22,046.3 lb)	66213	$5,785.00
20,000 kg (44,092.7 lb)	66214	$7,385.00
30,000 kg (66,139.0 lb)	66215	$7,385.00

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Weigh Modules

TWM
Tank Weighing Module, HBM



Picture is a representation of actual product

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.

Load Cell Certifications:

Refer to next page for load cell specifications

APPLICATIONS:

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

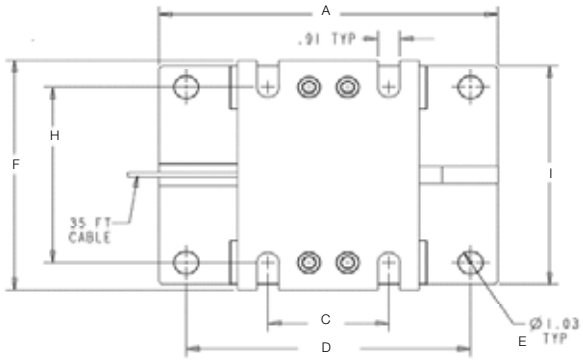
STANDARD FEATURES:

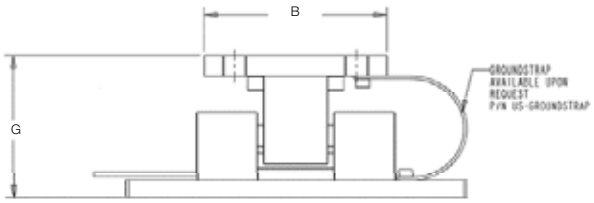
- Capacities: 20,000-100,000 lb (9072.0-45,360.0 kg)
- Overload and overlift protection
- Rocker pin loading
- Factory assembled
- Compact design
- Easy to install
- NTEP-certified load cell 10,000 IIIL

OPTIONAL FEATURES:

- Stainless steel construction available

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RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I
lb/inches									
20,000	10.00	6.00	4.50	8.0	.53	8.00	4.0	6.00	7.50
50,000-100,000	14.00	7.50	5.00	11.75	1.00	10.5	6.25	8.00	10.00
kg/mm									
9072.0	254.0	152.4	114.3	203.2	13.4	203.2	101.6	152.4	190.5
22680.0-45,360.0	355.6	190.5	127.0	298.4	25.4	266.7	158.7	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 #	Price
20,000 lb (9072.0 kg)	98421	$1,595.00
50,000 lb (22680.0 kg)	98422	$2,095.00
100,000 lb (45,360.0 kg)	98423	$2,295.00

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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.

Picture is a representation of actual product

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 many applications, including intrinsically safe and explosion proof areas.

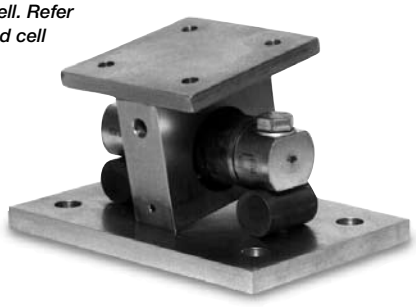
Load Cell Certifications:

FM APPROVED LOAD CELLS

NTEP

iQUBE

Module with RL70000 double-ended shear beam load cell. Refer to page 135 for load cell specifications.



Complete Kit Includes:

- ***1 JB4SS 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 (see page 135)***
- ***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

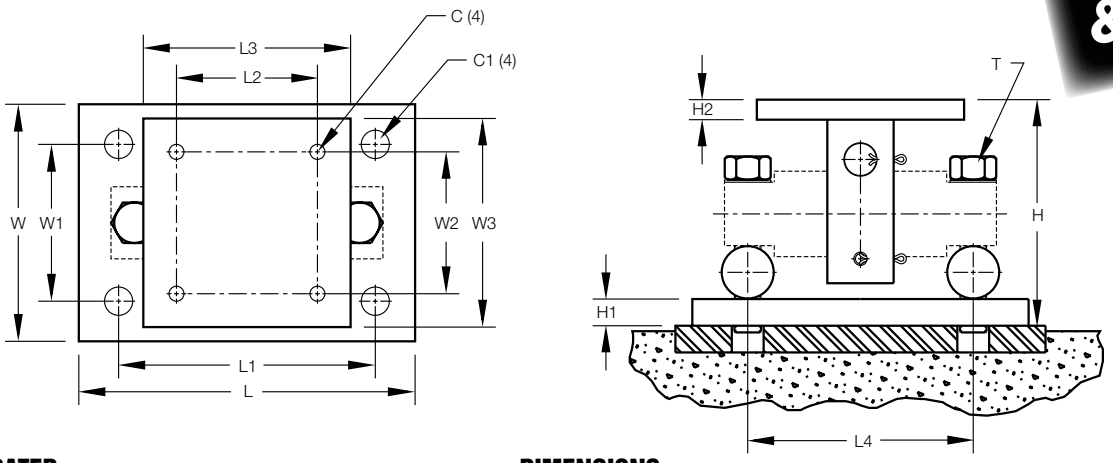
OPTIONAL FEATURES:

- 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 #	Price
Single Module (Does NOT Include Load Cell)		
5000-20,000 lb (2268.0-9071.9 kg)	17823	$295.00
30,000-60,000 lb (13,607.8-27,215.5 kg)	17824	$795.00
100,000 lb (45,359.2 kg)	17850	$1,095.00
150,000 lb (68,039.0 kg)	29012	$1,095.00
200,000-250,000 lb (90,718.7-113,398.4)	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	$4,545.00
60,000 lb (27,215.5 kg)	18167	$4,545.00
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	$5,765.00
60,000 lb (27,215.5 kg)	18173	$5,765.00
100,000 lb (45,359.2 kg)	18174	$9,665.00
150,000 lb (68,040 kg)	43291	$9,665.00

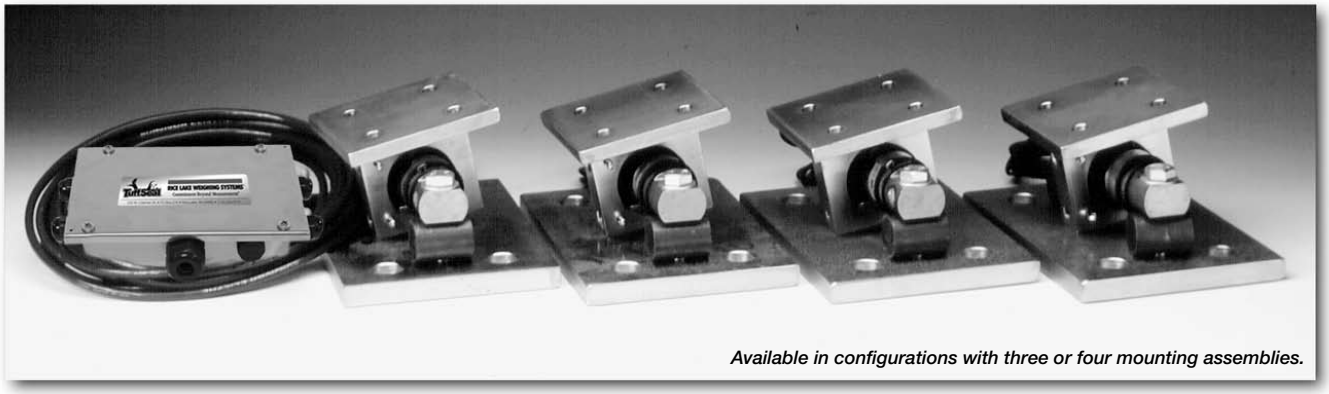
RTI EZ MOUNT 1 MILD STEEL ORDER INFORMATION

Load Rating (Per Module)	Part #	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	33749	$75.00
30,000-60,000 lb	74016	$95.00
100,000 lb	94175	$150.00

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Color Literature Available by Request

EZ Mount 1
Stainless Steel, Rice Lake Weighing Systems



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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.

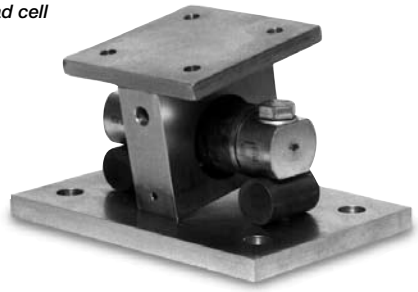
FM approved RL70000 SS Series load cells give you accuracy and dependability in many applications, including intrinsically safe and explosion proof areas.

Load Cell Certifications:

FM APPROVED LOAD CELLS

iQUBE

Module with RL70000 SS double-ended shear beam load cell. Refer to page 136 for load cell specifications.



Complete Kit Includes:

- ***1 JB4SS 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 (see page 136)***
- ***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

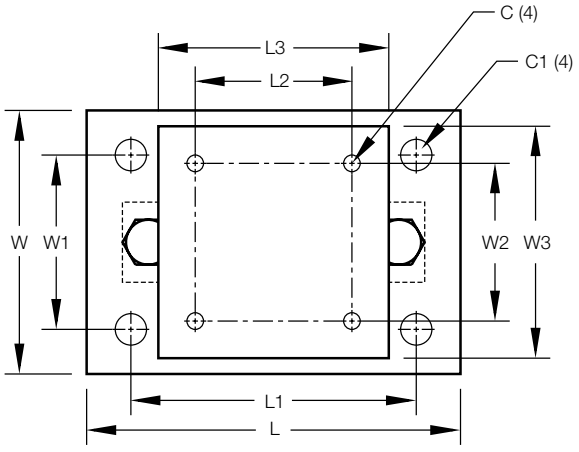
OPTIONAL FEATURES:

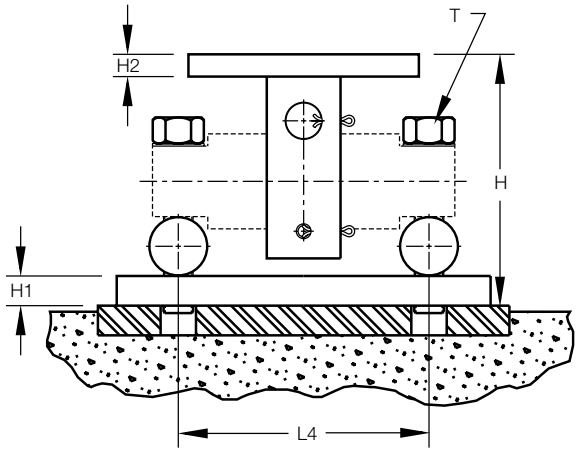
- Kits available with Revere Transducers 9103 load cell, capacities in 5000-150,000 lb (2268.0-68,039.0 kg)

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Stainless Steel EZ Mount 1 Specifications

Complete Kit! Compare & Save!





RATED CAPACITY	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
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 #	Price
Single Module (Does NOT Include Load Cell)		
5000-20,000 lb (2268.0-9071.9 kg)	17943	$725.00
30,000-60,000 lb (13,607.8-27,215.5 kg)	17944	$1,995.00
100,000 lb (45,359.2 kg)	17945	$3,695.00
150,000 lb (68,039.0 kg)	29011	$3,695.00
3-Module Kit		
5000 lb (2268.0 kg)	36195	$4,325.00
10,000 lb (4535.9 kg)	36196	$4,325.00
20,000 lb (9071.9 kg)	36197	$4,325.00
30,000 lb (13,607.8 kg)	36198	$8,295.00
40,000 lb (18,143.7 kg)	36199	$8,295.00
50,000 lb (22,679.6 kg)	36200	$8,395.00
60,000 lb (27,215.5 kg)	36201	$8,395.00
100,000 lb (45,359.2 kg)	36202	$13,295.00
150,000 lb (68,039.0 kg)	43288	$13,295.00

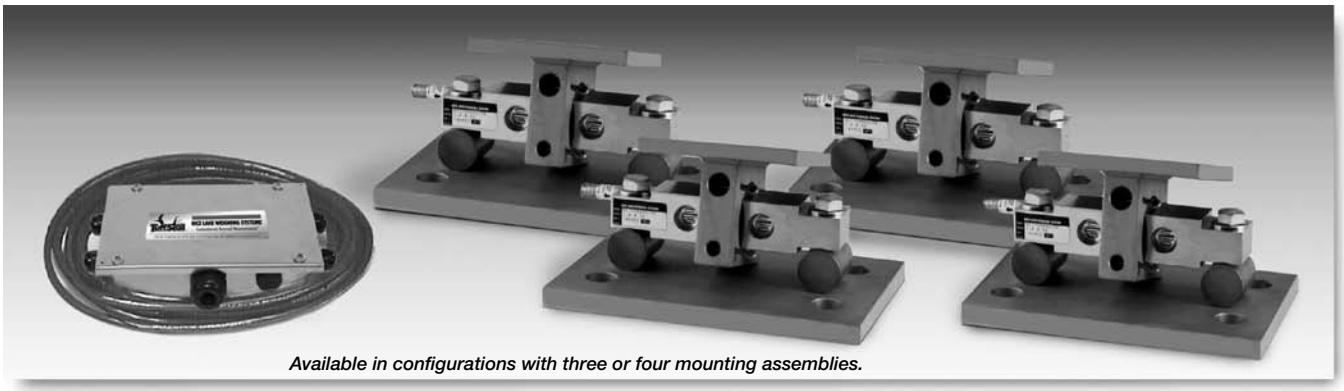
EZ MOUNT 1 STAINLESS STEEL ORDER INFORMATION

Load Rating (per module)	Part #	Price
4-Module Kit		
5000 lb (2268.0 kg)	36203	$5,800.00
10,000 lb (4535.9 kg)	36204	$5,800.00
20,000 lb (9071.9 kg)	36205	$5,800.00
30,000 lb (13,607.8 kg)	36206	$11,275.00
40,000 lb (18,143.7 kg)	36207	$11,275.00
50,000 lb (22,679.6 kg)	36208	$11,550.00
60,000 lb (27,215.5 kg)	36209	$11,550.00
100,000 lb (45,359.2 kg)	36210	$17,650.00
150,000 lb (68,039.0 kg)	43289	$17,650.00
Dummy Load Cells (Mild Steel)		
5000-20,000 lb	33749	$75.00
30,000-60,000 lb	74016	$95.00
100,000 lb	94175	$150.00

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EZ Mount 1 HE

Stainless Steel, Hermetically-sealed, Rice Lake Weighing Systems



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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 present.

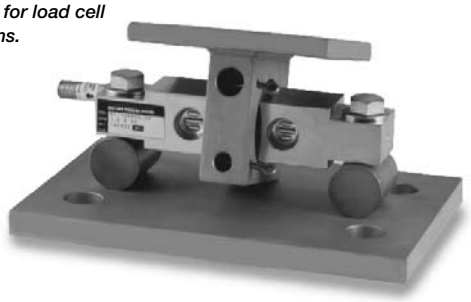
Not for use in intrinsically safe areas

Load Cell Certifications:

FM APPROVED LOAD CELLS

Consult factory for FM instrumentation assistance

Module with RL71000 HE double-ended shear beam load cell. Refer to page 137 for load cell specifications.



Complete Kit Includes:

- ***1 JB4SS 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 (see page 137)***
- ***25' of our Hostile Environment EL147HE SURVIVOR® load cell cable***

APPLICATIONS:

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

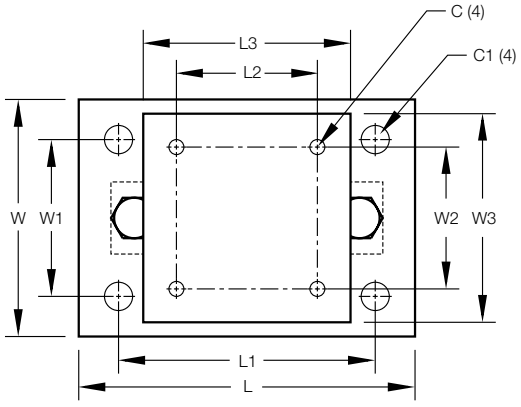
STANDARD FEATURES:

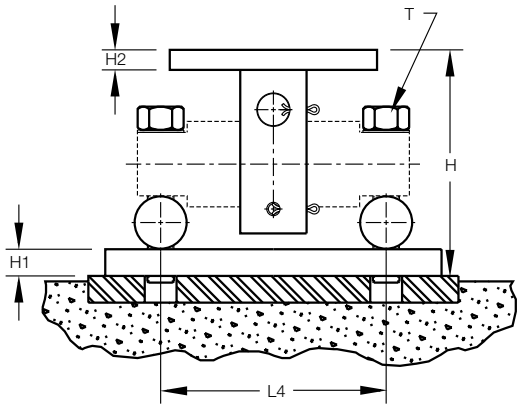
- Capacities (per module): 5000-60,000 lb (2268-27,216.0 kg)
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Center-loaded, double-ended shear beam design
- Low-profile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

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Stainless Steel, Hermetically-Sealed, EZ Mount 1 HE

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*

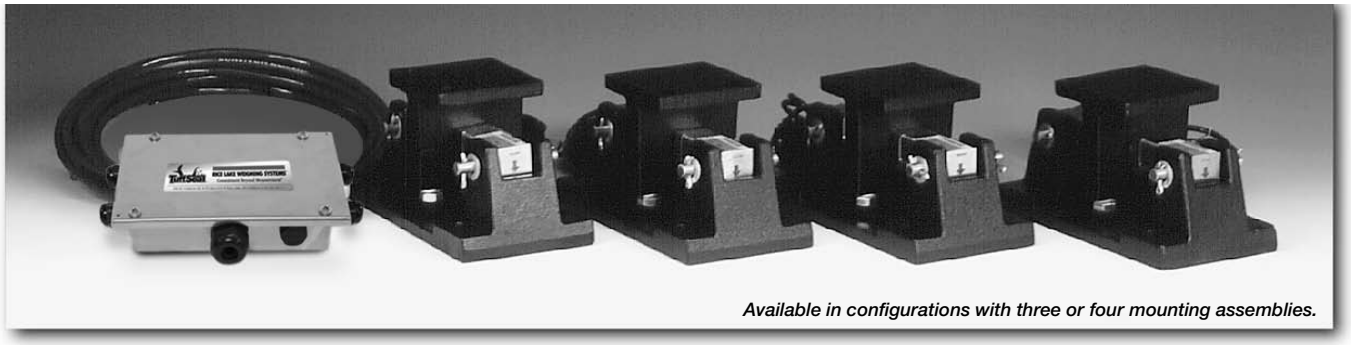
EZ HE MOUNT 1 STAINLESS STEEL ORDER INFORMATION

Load Rating (Per Module)	Part #	Price
3-Module Kit		
5000 lb (2268.0 kg)	46695	$5,595.00
10,000 lb (4535.9 kg)	46696	$5,595.00
20,000 lb (9071.9 kg)	46697	$5,595.00
30,000 lb (13,607.8 kg)	46698	$9,295.00
40,000 lb (18,143.7 kg)	46699	$9,295.00
50,000 lb (22,679.6 kg)	46700	$9,295.00
60,000 lb (27,215.5 kg)	46701	$9,295.00
4-Module Kit		
5000 lb (2268.0 kg)	46702	$7,495.00
10,000 lb (4535.9 kg)	46703	$7,495.00
20,000 lb (9071.9 kg)	46704	$7,495.00
30,000 lb (13,607.8 kg)	46705	$12,695.00
40,000 lb (18,143.7 kg)	46706	$12,695.00
50,000 lb (22,679.6 kg)	46707	$12,695.00
60,000 lb (27,215.5 kg)	46708	$12,695.00
Dummy Load Cells (Mild Steel)		
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

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Color Literature Available by Request

RL1600 Series
Cast Iron, Rice Lake Weighing Systems/Vishay Sensortronics



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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:

FM APPROVED LOAD CELLS

iQUBE

Cast iron module with RL75016 double-ended beam load cell. Refer to page 138 for load cell specifications.



Complete Kit Includes:

- *1 JB4SS 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 (see page 138)*
- *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

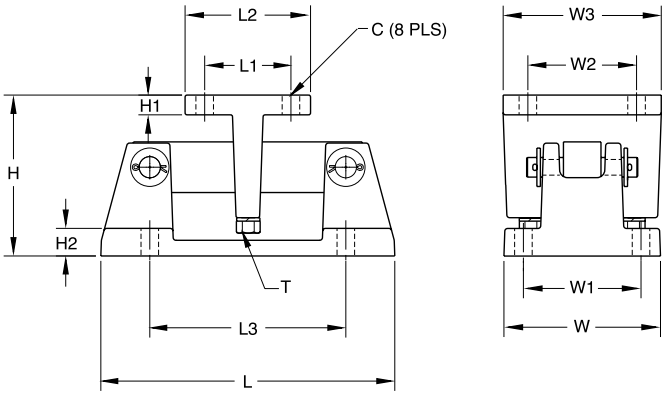
OPTIONAL FEATURES:

- 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! 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	9.31	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 #	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

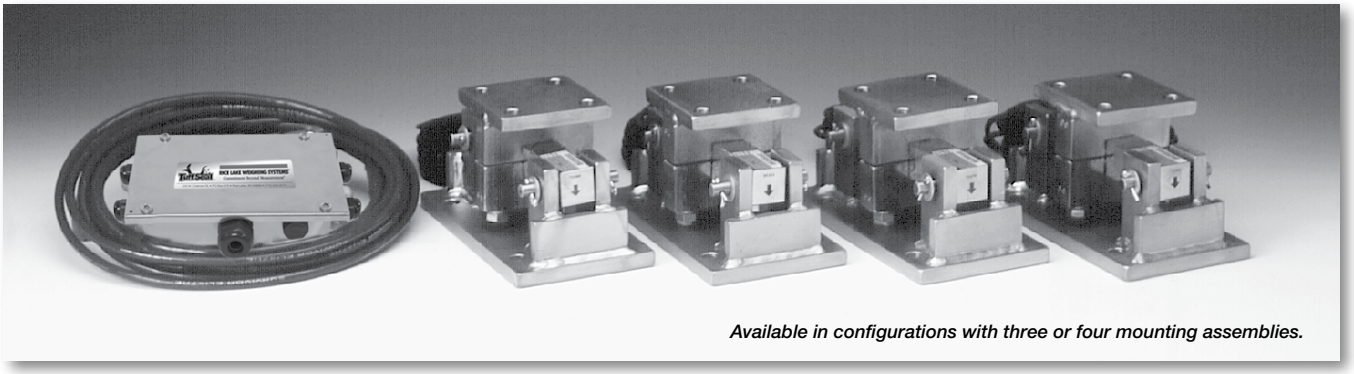
VISHAY SENSORTRONICS 65016 ORDER INFORMATION

Load Rating (Per Module)	Part #	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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Color Literature Available by Request

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



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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:

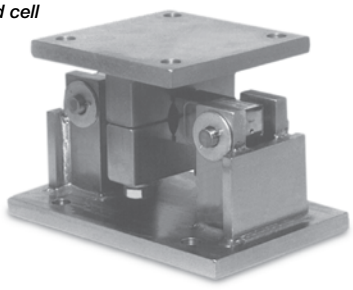
FM APPROVED LOAD CELLS

iQUBE

Complete Kit Includes:

- *1 JB4SS NEMA 4X stainless steel signal trim junction box*
- *3 or 4 RL1600 mild steel compression mounts*
- *3 or 4 RL75016 double-ended shear beam load cells (see page 138)*
- *25' of our Hostile Environment EL147HE SURVIVOR® load cell cable*

Mild steel module with RL75016 double-ended beam load cell. Refer to page 138 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)
- 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
- Painted mild steel construction

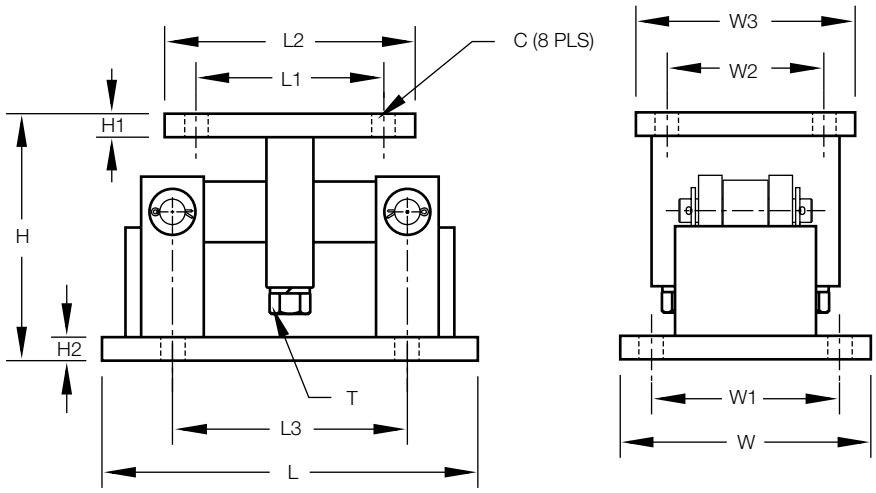
OPTIONAL FEATURES:

- 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 & 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 #	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	$975.00
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

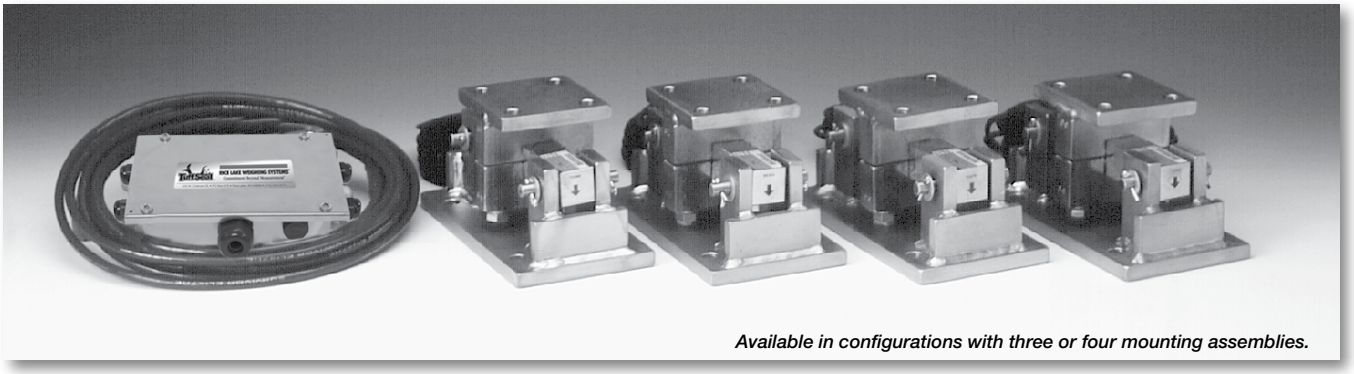
Load Rating (Per Module)	Part #	Price
3-Module Kit		
1000 lb (453.6 kg)	18189	$2,350.00
1500 lb (680.4 kg)	18190	$2,350.00
2500 lb (1134.0 kg)	18192	$2,350.00
5000 lb (2268.0 kg)	18194	$2,350.00
10,000 lb (4535.9 kg)	18195	$2,950.00
15,000 lb (6803.9 kg)	18196	$2,950.00
20,000 lb (9071.9 kg)	18197	$2,950.00
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 (22,679.6 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

Color Literature Available by Request

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



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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:

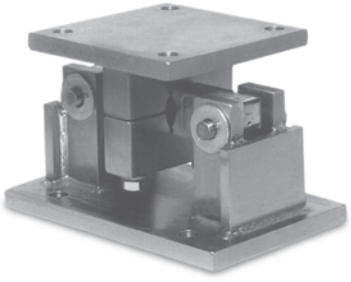
FM APPROVED LOAD CELLS

iQUBE

Complete Kit Includes:

- *1 JB4SS 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 (see page 139)*
- *25' of our Hostile Environment EL147HE SURVIVOR® load cell cable*

Fabricated stainless steel module with RL75016 SS double-ended beam load cell. Refer to page 139 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

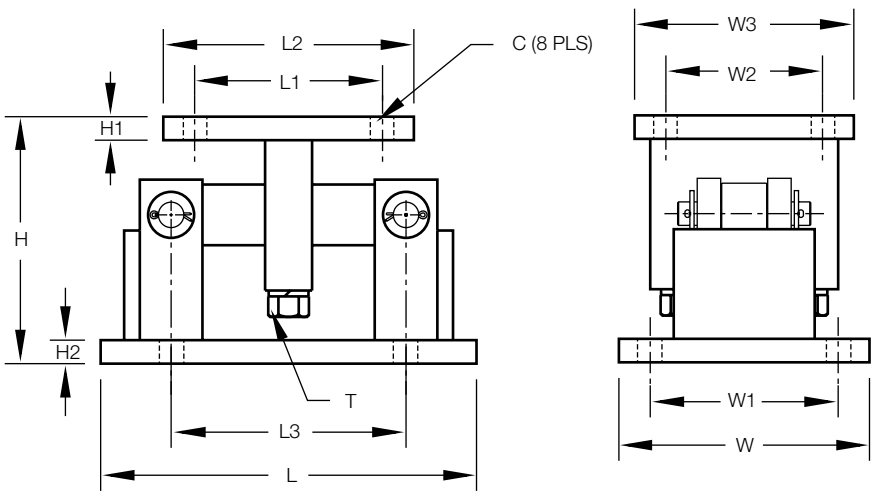
OPTIONAL FEATURES:

- Kits available with Vishay Sensortronics 65016W SS load cells

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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 #	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	$1,095.00
50,000 lb (22,679.6 kg)	17842	$2,595.00
75,000 lb (34,019.5 kg)	25347	$2,595.00
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	$4,795.00
15,000 lb (6803.9 kg)	18147	$4,795.00
20,000 lb (9071.9 kg)	18148	$4,795.00
25,000 lb (11,339.8 kg)	18149	$4,795.00
50,000 lb (22,679.6 kg)	18150	$9,995.00
75,000 lb (34,019.5 kg)	25352	$9,995.00
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	$6,450.00
15,000 lb (6803.9 kg)	18158	$6,450.00
20,000 lb (9071.9 kg)	18159	$6,450.00
25,000 lb (11,339.8 kg)	18160	$6,450.00
50,000 lb (22,679.6 kg)	18161	$13,995.00
75,000 lb (34,019.5 kg)	25353	$13,995.00

VISHAY SENSORTRONICS 65016SS ORDER INFORMATION

Load Rating (Per Module)	Part #	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	$14,295.00
75,000 lb (34,019.5 kg)	25355	$14,295.00
Dummy Load Cells (Mild Steel)		
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 (22,679.6 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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65092 TWA
Heavy-Capacity Tank Weighing Assembly, Vishay Sensortronics



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

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.

iQUBE

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



Complete Kit Includes:

- *1 JB4SS 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

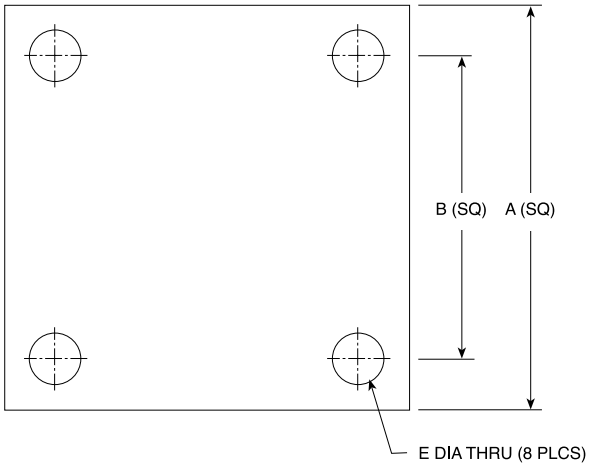
OPTIONAL FEATURES:

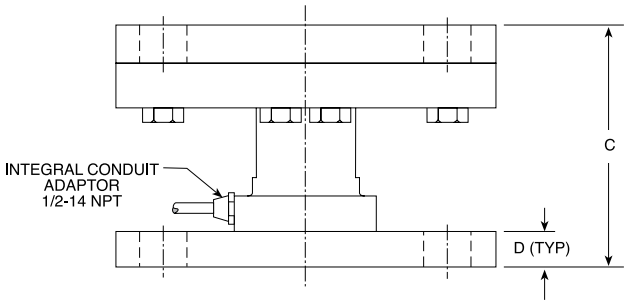
- Stainless steel versions available
- High-temperature versions available
- Custom mounting bolt patterns are available

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65092 TWA Specifications

Complete Kit! Compare & Save!





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
Bridge Resistance: 350 ohms
Material/Finish: High-alloy steel, nickel plated
Safe Overload: 200% Full Scale Compression, 100% Full Scale Tension
Rated Excitation: 10 VDC (25 V maximum)
Nonlinearity: 0.1% Full Scale
Combined Error: 0.1% Full Scale
Temperature: Compensated range: 14°F to 104°F/10°C to 40°C
Insulation Resistance: 5000 megohms
Seal Type: Environmentally-sealed
Cable Length: 25'/7.6 m
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: 1-year limited warranty

65092 TWA ORDER INFORMATION

Load Rating (Per Module)	Part #	Price
Single Module (Includes Load Cell)		
50,000 lb (22,679.6 kg)	29866	$2,195.00
100,000 lb (45,359.4 kg)	29867	$4,995.00
200,000 lb (90,718.7 kg)	29868	$5,395.00
300,000 lb (136,078.1 kg)	N/A	Consult Factory
500,000 lb (226,796.9 kg)	N/A	Consult Factory
3-Module Kit		
50,000 lb (22,679.6 kg)	29857	$6,795.00
100,000 lb (45,359.4 kg)	29858	$15,100.00
200,000 lb (90,718.7 kg)	29859	$16,395.00
300,000 lb (136,078.1 kg)	N/A	Consult Factory
500,000 lb (226,796.9 kg)	N/A	Consult Factory

65092 TWA ORDER INFORMATION

Load Rating (Per Module)	Part #	Price
4-Module Kit		
50,000 lb (22,679.6 kg)	29852	$8,495.00
100,000 lb (45,359.4 kg)	29853	$20,095.00
200,000 lb (90,718.7 kg)	29854	$21,790.00
300,000 lb (136,078.1 kg)	N/A	Consult Factory
500,000 lb (226,796.9 kg)	N/A	Consult Factory

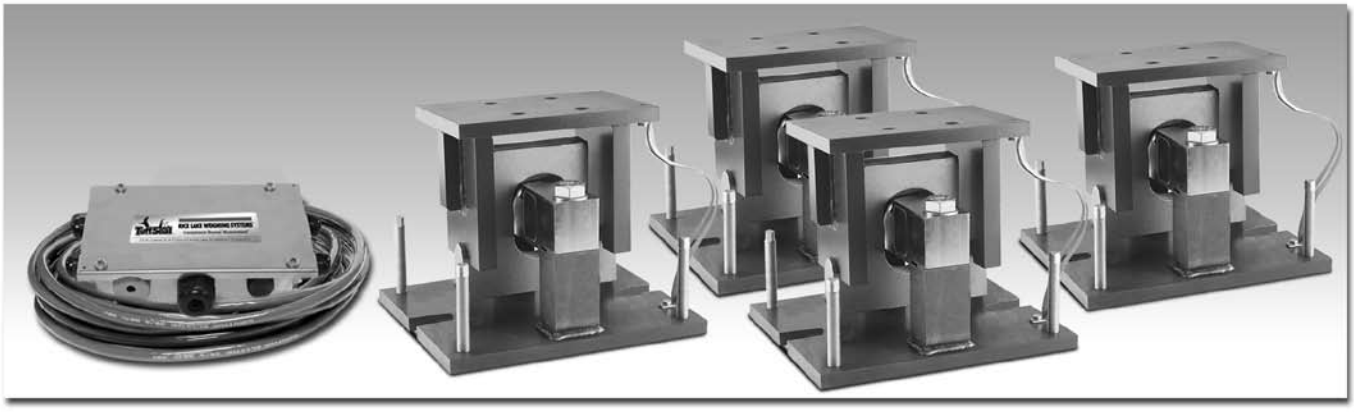
65094 TWA REPLACEMENT LOAD CELL ORDER INFORMATION

Load Rating (Per Module)	Part #	Price
50,000 lb (22,679.6 kg)	29862	$1,395.00
100,000 lb (45,359.4 kg)	29863	$2,295.00
200,000 lb (90,718.7 kg)	29864	$2,495.00
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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Color Literature Available by Request

MVS Mount
MVS Conversion Kit



Picture is a representation of actual product

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.

Load Cell Certifications:

FM APPROVED LOAD CELLS

NTEP

iQUBE

Complete Kit Includes:

- *4 to 10 RL75058-75,000 lb load cells (see page 141) with 35' or 60' cables*
- *4 to 10 MVS mounts*
- *JB 8SPT junction box (JB1010 on 10 module kit)*
- *100' of our Hostile Environment EL147HE SURVIVOR® load cell cable*

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

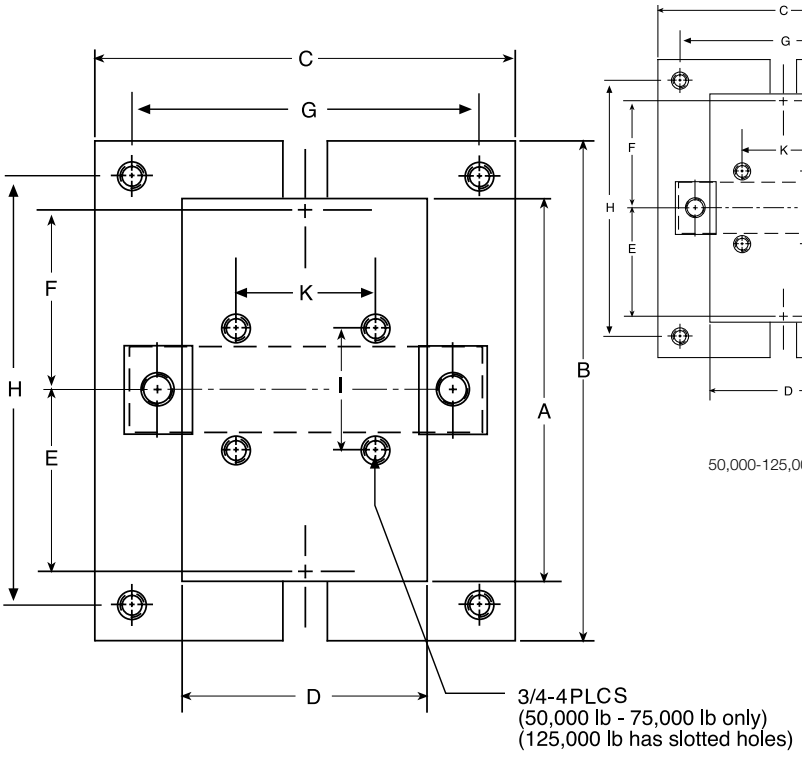
OPTIONAL FEATURES:

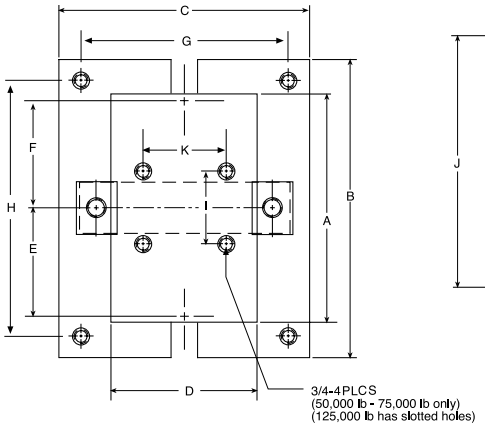
- Vishay Sensortronics 65058 or Vishay Celtron CLB
- Rice Lake 75060S or Vishay Sensortronics 65058 S stainless steel welded-seal NTEP-certified load cells

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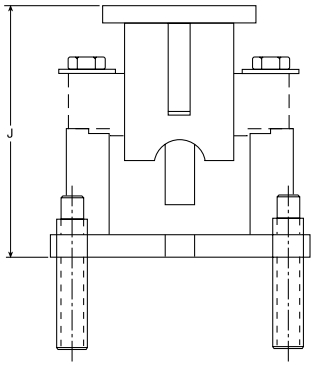
MVS Conversion Kit Specifications

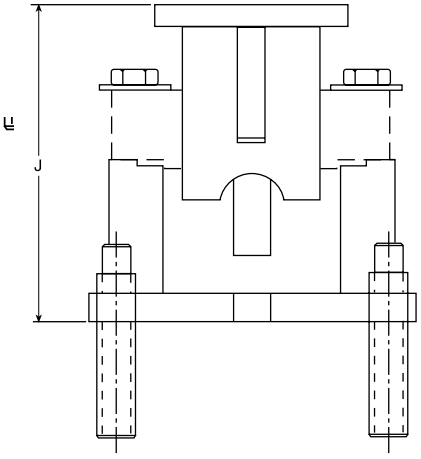
Complete Kit! Compare & Save!





50,000-125,000 lb





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	10.00	7.25	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 #	Price
MVS Mount (Does NOT Include Load Cell)		
10,000 lb-25,000 lb (4536-11,340 kg)	71200	$495.00
50,000 lb-75,000 lb (22,679.6-34,019.4 kg)	46441	$595.00
100,000 lb-125,000 lb (45,360 kg-56,700.0 kg)	68520	$1,015.00

Custom heights available; consult factory

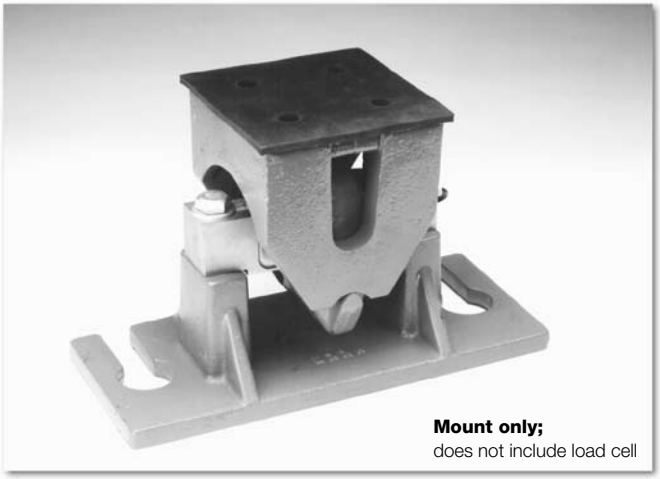
** Consult factory for other capacity requirements*

MVS ORDER INFORMATION

Load Rating	Part #	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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TSA
Truck Scale Assembly, Vishay Sensortronics



Picture is a representation of actual product

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.

iQUBE

APPLICATIONS:

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

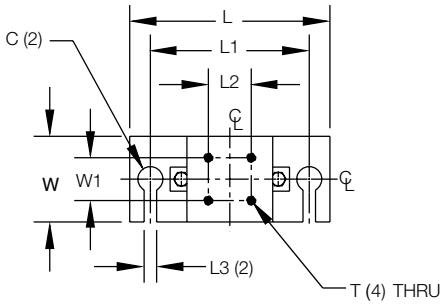
STANDARD FEATURES:

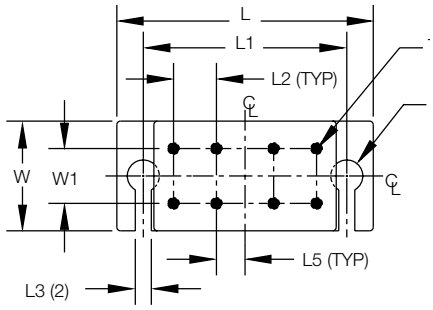
- Capacities: 10,000-75,000 lb (4535.9-34,019.4 kg)
- Constructed of cast steel and iron with primer coating
- Unique high-performance "Unilink" suspension system
- Center-loaded double-ended shear beam design
- Self-checking design
- Rubber pad provided for mounting

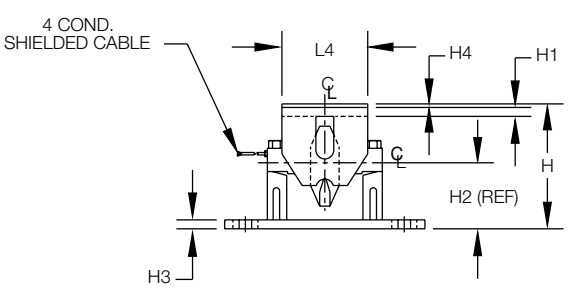
OPTIONAL FEATURES:

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

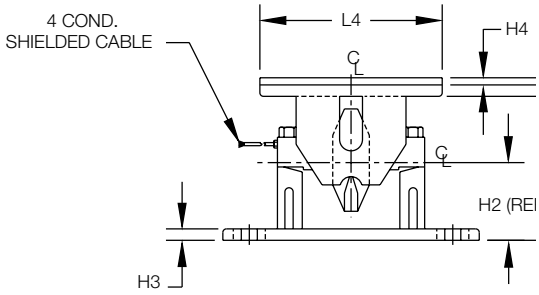
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10,000 lb-25,000 lb
(4535.9 kg-11,339.8 kg)



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

RATED CAPACITY	DIMENSIONS C	H	H1	H2	H3	H4	L	L1	L2	L3	L4	L5	T	W	W1
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 #	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	$795.00

** Mount only; does not include load cell*

See page 329 for Vishay Sensortronics load cell model 65058 specifications

See page 141 for Rice Lake Weighing Systems load cell model RL75058 specifications

See page 142 for welded-seal RL75060S cell

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Weigh Modules

Unique One-Piece Design

RL8000 HE
Stainless Steel, Hermetically Sealed, Rice Lake



Picture is a representation of actual product

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).

Load Cell Certifications:

FM APPROVED LOAD CELLS

Consult factory for FM instrumentation assistance

APPLICATIONS:

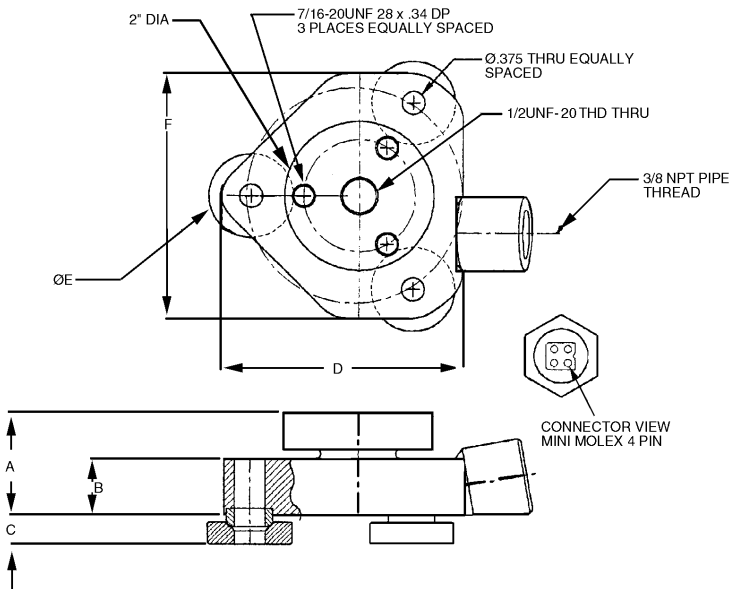
- Light- to medium-capacity tanks, bins and hoppers
- Chemical blending, batching and mixing

STANDARD FEATURES:

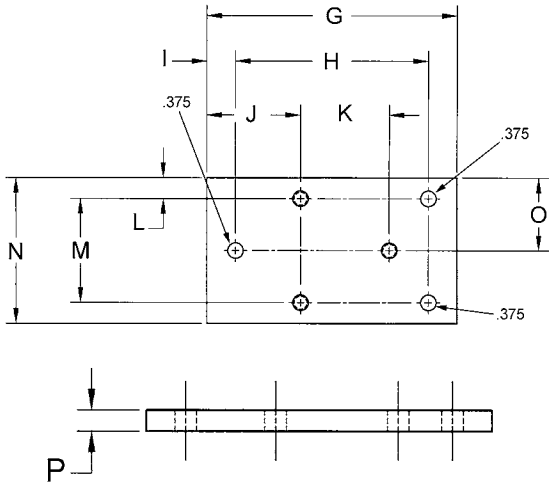
- Capacities from 250-5,000 lb (113.4-2268 kg)
- Stainless steel
- Hermetically sealed
- Low profile
- 300% compression overload protection
- Easy installation
- IP66/68

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Optional Base Plate Dimensions



RATED CAPACITY	DIMENSIONS 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

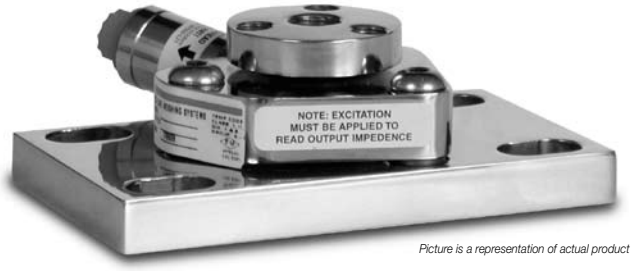
RL8000 HE ORDER INFORMATION

Load Rating	Part #	Price
250 lb (113.4 kg)	N/A	$1,195.00
500 lb (226.8 kg	N/A	$1,195.00
1000 lb (453.6 kg)	N/A	$1,195.00
2500 lb (1134.0 kg)	N/A	$1,195.00
5000 lb (2268.0 kg)	N/A	$1,195.00
*Mounting Hardware	N/A	$45.00
*Cable	63121	$395.00
Replacement Foot	N/A	Consult factory
Optional base plate	N/A	Consult factory

**Add to RL8000HE price*

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RL8000 KM
Stainless Steel, Hermetically Sealed, Rice Lake



Picture is a representation of actual product

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.

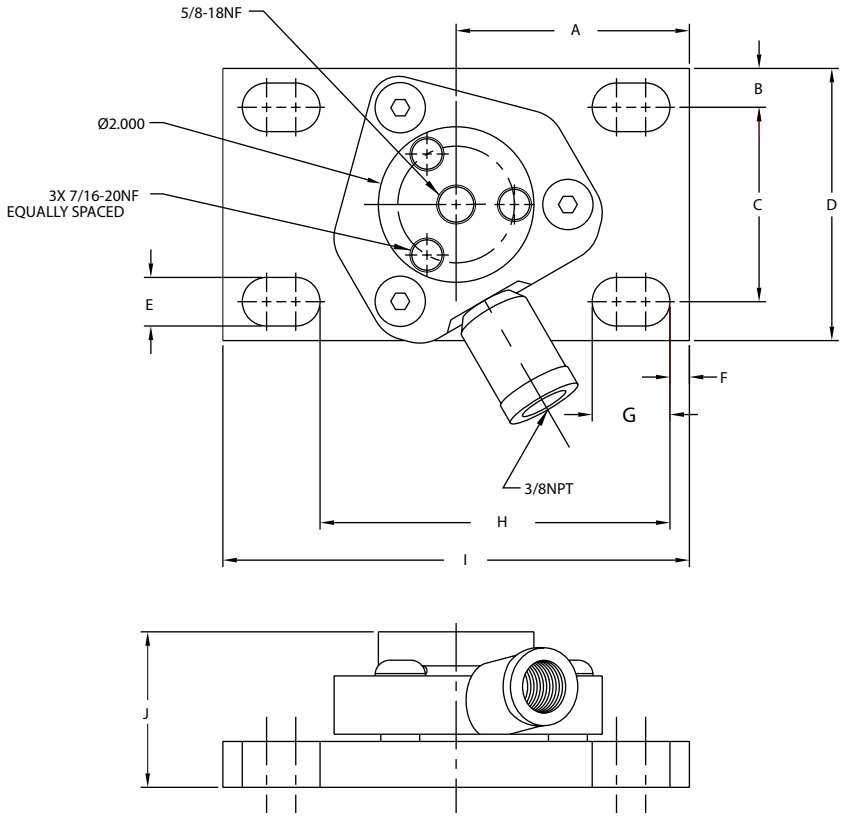
APPLICATIONS:

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

STANDARD FEATURES:

- Capacities from 250-10,000 lb (113.4-2268 kg)
- Stainless steel
- Hermetically sealed
- Low profile
- 300% compression overload protection
- Easy installation
- IP66/68

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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
Bridge Resistance: 1050 ohms, nominal with voltage applied
Material/Finish: Stainless steel
Temperature: Compensated range -0°F to 150°F/-17°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
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

** 200% on 10,000 lb unit only*

RL8000 KM ORDER INFORMATION

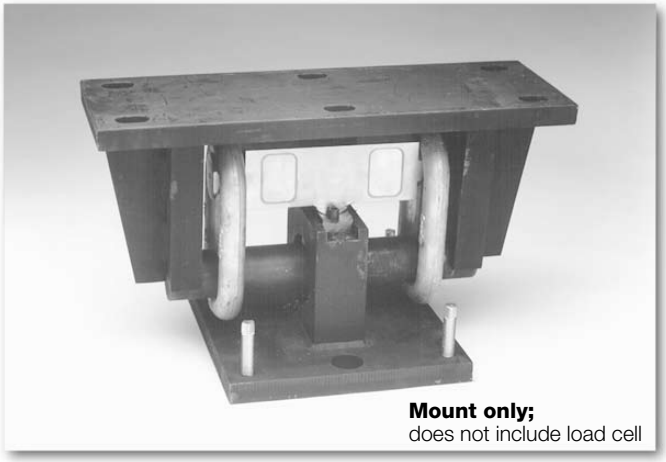
Load Rating	Part #	Price
250 lb (113.4 kg)	N/A	$1,195.00
500 lb (226.8 kg)	N/A	$1,195.00
1000 lb (453.6 kg)	N/A	$1,195.00
2500 lb (1134.0 kg)	N/A	$1,195.00
5000 lb (2268.0 kg)	N/A	$1,195.00
10,000 lb (4536.0 kg)	N/A	$1,195.00
*Top Plate	N/A	$295.00
*Cable	63121.	$395.00

**Add to RL8000KM price*

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Color Literature Available by Request

TRANSLINK™
Parallel Link Truck Scale Assembly, Rice Lake Weighing Systems



Mount only;
does not include load cell

Picture is a representation of actual product

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.

iQUBE

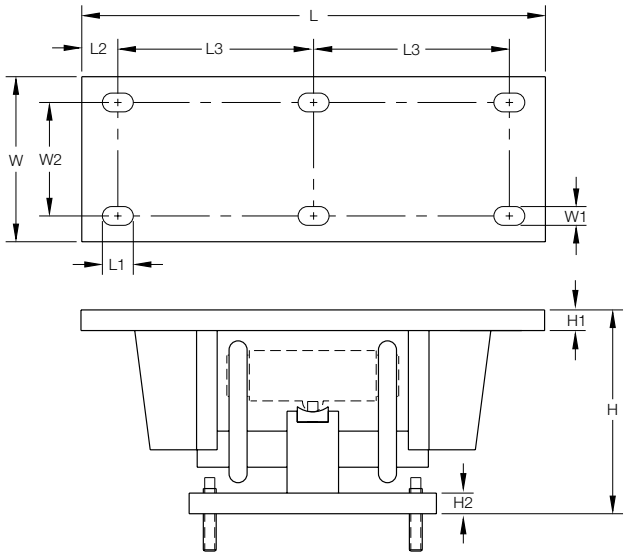
APPLICATIONS:

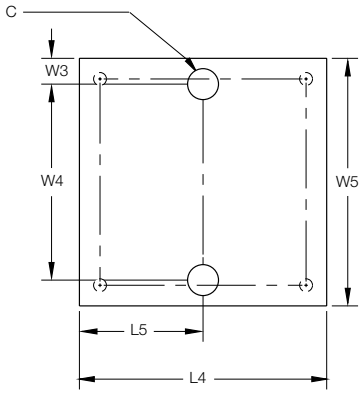
- Truck scale mount
- Heavy-capacity horizontal tanks

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 are RL75223 and RL75040, RTI 5223 and Vishay Sensortronics 65040A load cells

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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 #	Price
For use with RL75223, 5223 Load Cells		
50,000-100,000 lb (22,679.6-45,359.4 kg)	17970	$595.00
For use with RL75040A, 65040A Load Cells		
25,000-40,000 lb (11,339.8-18,143.7 kg)	17971	$595.00
50,000-75,000 lb (22,679.6-34,019.4 kg)	17972	$595.00

** Mount only; does not include load cell*

See page 143 for load cell model RL75223 (RLWS), page 145 for load cell model RL75040 (RLWS), and page 318 for model 65040A (Vishay Sensortronics) specifications

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Motor Truck Scale Electronic Conversion Kit
Rice Lake Weighing Systems



Picture is a representation of actual product

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.

iQUBE

Complete Kit Includes:

- *1 JB8SP NEMA 4X signal-trim junction box with individual and section trimming capability (6- and 8-mount kits) or 1 JB4SP 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 (see pages 145 & 143)*
- *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

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
- 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

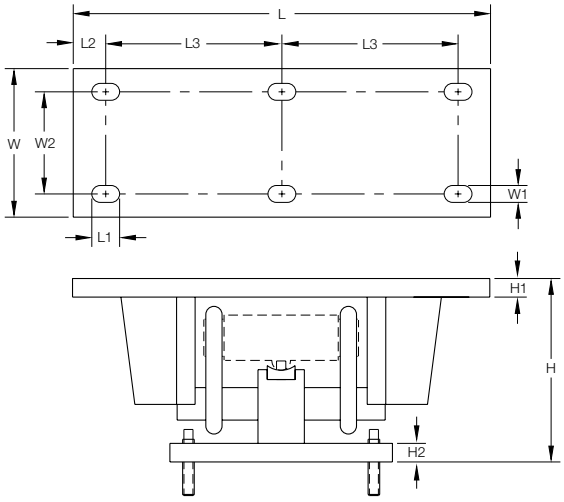
OPTIONAL FEATURES:

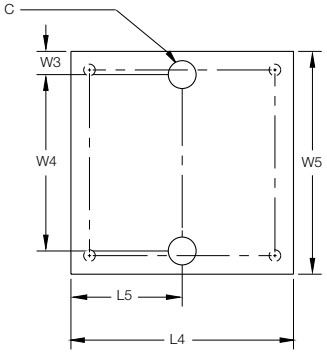
- Custom heights available; consult factory
- RLWS RL75223 welded-seal, Vishay Sensortronics 65040A or RTI 5223 load cells

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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 WEIGH MODULES ORDER INFORMATION

Scale Suggested Capacity	Load Cell Capacity	Part #	Price	Load Cell used in kit
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	RL75040A
60,000 lb (27,215.6 kg)	40,000 lb (18,143.7 kg)	30514	$5,795.00	RL75040A
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	RL75040A
120,000 lb (54,431.2 kg)	60,000 lb (27,215.6 kg)	30516	$9,245.00	RL75040A
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	RL75040A
200,000 lb (90,718.7 kg)	75,000 lb (34,019.4 kg)	30518	$11,995.00	RL75040A
300,000 lb SD (136,078.1 kg)	100,000 lb (45,359.4 kg)	30512	$14,695.00	RL75223

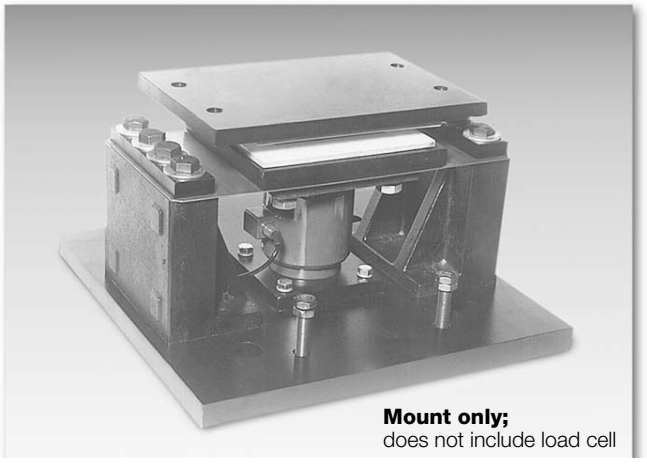
SD refers to super duty, 100,000 lb (45,359.4 kg) capacity welded-seal load cells

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Color Literature Available by Request

MagnaMount®

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



Mount only;
does not include load cell

Picture is a representation of actual product

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.

iQUBE

APPLICATIONS:

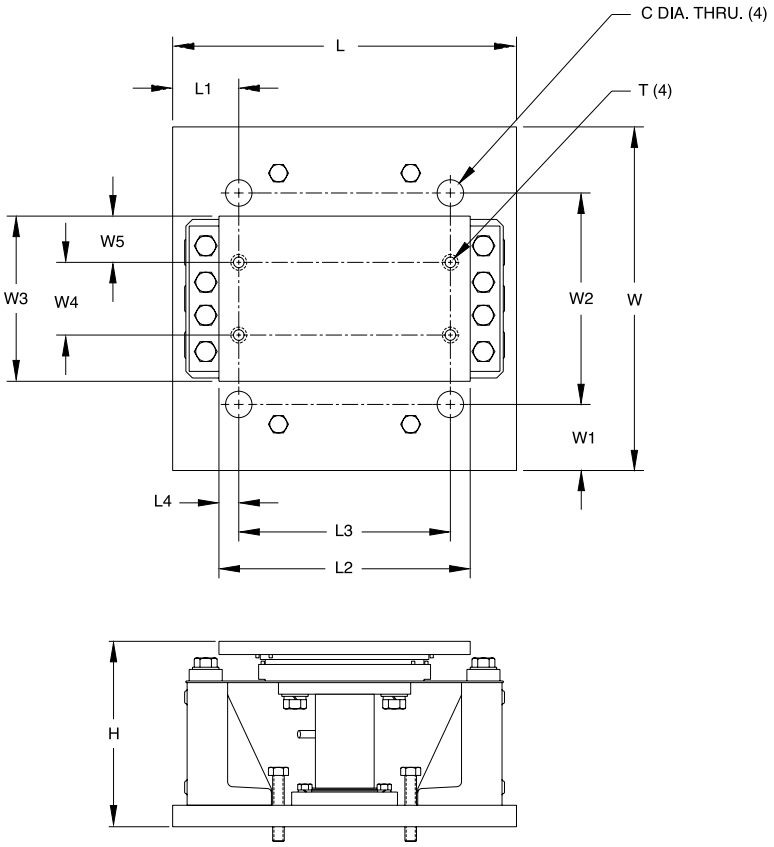
- Truck scale mount*
- Heavy-capacity horizontal tanks*
- Railroad track mount*

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*

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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 #	Price
50,000 lb (22,679.6 kg)	21723	$1,195.00
100,000 lb (45,359.4 kg)	21724	$1,495.00
200,000 lb (90,718.7 kg)	17974	$2,295.00

** Mount only; does not include load cell*

See page 280 for Revere Transducer's load cell model CP, and page 281 for NTEP-certified load cell model CSP specifications

See page 146 for Rice Lake Weighing Systems' NTEP-certified load cell model RLCSP1

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Mettler Toledo™ DigiTOL® Retrofit Kit
Stainless Steel, Rice Lake Weighing Systems/Flintec



Shown here with the JB818ST signal trim junction box

Picture is a representation of actual product

This kit is designed to provide a cost effective solution for replacing Toledo™ DigiTOL® 50 K digital load cells with analog load cells.

The Flintec RC1 load cells are stainless steel and hermetically sealed to provide years of trouble-free service.

Load Cell Certifications:

FM APPROVED LOAD CELLS

NTEP

iQUBE

Complete Kit Includes:

- ***1 JB8SPT or 2 JB8SP signal trim junction boxes (10 mount kit)***
- ***8 to 10 Flintec RC1-250 KN load cells (see page 218) with upper and lower load cups***
- ***100' of Hostile Environment EL147HE SURVIVOR® load cell cable***

APPLICATIONS:

- Toledo DigiTOL truck scale conversion

STANDARD FEATURES:

- Stainless steel hermetically sealed load cells
- Converts existing Mettler Toledo DigiTOL scale to an analog based load cell weighing system
- 8 or 10 load cells, cups plus Jbox and homerun cable
- Load cells are NTEP-certified 1:10,000 divisions, Class IIIL*
- Rocker design load cells

DIGITOL RETROFIT ORDER INFORMATION

Description	Part #	List Price
8 mount kit	78713	$8,495.00
10 mount kit	78714	10,395.00

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

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Weigh Modules

Complete Kits!

Electronic Floor Scale Underdeck Kits

Industrial Applications, Alloy Steel Load Cells



Kit Includes

- (4) Vishay Celtron SQB load cells
- (1) JB4SS 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

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

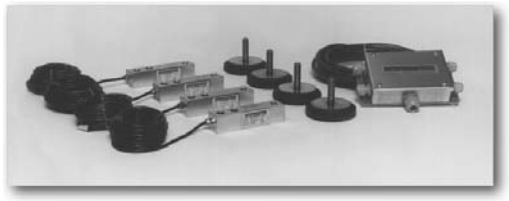


Kit Includes

- (4) RL30000 alloy steel NTEP 5000 Divisions, Class III certified load cells
- (1) JB4SS 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 RL30000 on page 108.
• 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

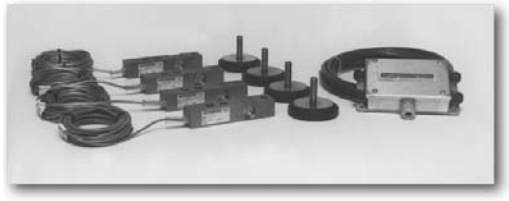


Kit Includes

- (4) Vishay Celtron SQB-HSS stainless steel load cells
- (1) JB4SS 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

NOTE: • For complete load cell specifications, see SQB-HSS on page 189.

Wet Corrosive Applications, Welded Seal Stainless Steel Load Cells



Kit Includes

- (4) RL35083 welded-seal stainless steel load cells
- (1) JB4SS 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

NOTE: • For complete load cell specifications, see RL35083 on page 114.

UNDERDECK KITS ORDER INFORMATION

Load Cell/ Base Capacity	Part #	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 104

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 105

For suspended applications or mechanical scale conversions, 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 106

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.



RL20001, Alloy Steel ..... Page 107

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 108

The RL20001 HE is a full stainless, welded seal S-Beam available in capacities ranging from 750 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-certified from 750 to 5000 lbs.



RLETS, Alloy Steel ..... Page 109

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.

Rice Lake Weighing Systems

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Single-Ended Beams

RL30000, RL30002, Alloy Steel Threaded/Thru ..... **Page 110**



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.

RLH35, Stainless Steel ..... **Page 111**



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.

RL39123, Stainless Steel ..... **Page 112**



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 113**



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 30' m of load cell cable.

RLBLC, Stainless Steel ..... **Page 114**



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 115**



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 116**



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.

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Single-Ended Beams (Continued)

RL35083, Stainless Steel ..... **Page 117**



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.

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RL35082, Stainless Steel ..... **Page 118**



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.

FM APPROVED · NTEP · WATER PROOF

IP 66/68 Model

RL65044, Alloy Steel ..... **Page 119**



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 120**



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.

FM APPROVED

RLETB, Alloy Steel ..... **Page 121**



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.

FM APPROVED · OIML

RLHTO, Stainless Steel ..... **Page 122**



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.

OIML · WATER PROOF

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Single-Ended Beams (Continued)



RLSSB, Stainless Steel ..... **Page 123**

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 124**

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 125**

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/RLSB2MLW, Alloy Steel/Stainless Steel ..... **Page 126**

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 127**

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.

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Single-Ended Beams (Continued)



RL60040SST, Stainless Steel ..... **Page 128**

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.



RL40BBS, Alloy Steel ..... **Page 129**

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 130**

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.



RL32155, Stainless Steel ..... **Page 131**

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

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Single-Ended Beams (Continued)

RL75000SS, Stainless Steel ..... **Page 132**



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 5,000 lb (567.0 to 2268 kg). Provided complete with a 20'/6.1 m load cell cable.

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RLSBF, Stainless Steel ..... **Page 133**



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.

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RLBEAM, Stainless Steel ..... **Page 134**



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 for BLH KIS, 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.

DISCONTINUED

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Double-Ended Beams

RL70000, Alloy Steel ..... **Page 135**



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.

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RL70000 SS, Stainless Steel ..... **Page 136**



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.

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Double-Ended Beams (Continued)

RL71000 HE, Stainless Steel ..... Page 137



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.

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Consult Factory

RL75016, Alloy Steel ..... Page 138



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.

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RL75016 SS, Stainless Steel ..... Page 139



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.

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RL75016 WHE, Stainless Steel ..... Page 140



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.

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RL75058, Alloy Steel ..... Page 141



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 35'/7.6 m of load cell cable. Models with 60' or 100' of load cell cable are available as well.

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NTEP

Color Literature Available by Request

RL75060S, Stainless Steel ..... Page 142



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.

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NTEP

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Double-Ended Beams (Continued)

RL75223, Alloy Steel ..... Page 143



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.

RLDB50000S-50K, Stainless Steel ..... Page 144



The RLD50000S is a stainless steel, welded load cell designed as a interchangeable load cell for the Cardinal® DB50000S. It is NTEP approved for 10,000 divisions and has 35' of cable standard.

(pending)

RL75040, Alloy Steel ..... Page 145



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 146



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 147



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 IIIL 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.

RL75114-50K, Stainless Steel ..... Page 148



The RL75114 is a stainless steel hermetically sealed rocker column designed to interchange with the Fairbanks part number 64166. It has 30' of over braid cable to protect it from abrasion and rodents. NTEP-certified.

(pending)

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Compression Canisters (Continued)



RL8C2P1SS, Stainless Steel ..... **Page 149**

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.



RL90000, Alloy Steel ..... **Page 150**

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



RLPCB-60, Stainless Steel ..... **Page 152**

The RLPCB-60 is a stainless steel hermetically sealed single point load cell. Can be used in applications where moisture is a problem. It is NTEP approved and includes 10 ft of cable capacity ranges are 50kg-1000kg



RLPC6, Stainless Steel ..... **Page 151**

The RLPC6 is a stainless steel, hermetically sealed single point load cell. Can be used in any application where moisture is a problem. The RCPC6 is NTEP approved and is provided with 10' of cable. Capacity ranges are 50 kg-200 kg.

(pending)

(pending)



RL1521A, Aluminum ..... **Page 153**

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 154**

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'/.9 m cable, NTEP-certified from 10 kg to 50 kg.

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Single Points (Continued)

RL800WT, Stainless Steel, Hermetically Sealed ..... Page 155



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.

RLSP4 Aluminum, ... Page 156



The RLSP4 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.

RLPWM12 Aluminum, ... Page 157



A new aluminum, single point load cell from RLWS. With capacities from 50 kg to 1000 kg, this load cell is NTEP approved. The RLPWM12 is ideal for platform, hanging scale, and other low-capacity beams applications. Complete with 3.1 m/10' of load cell cable.

RLPWM16 Aluminum, ... Page 158



A new single point, aluminum load cell from RLWS. With capacity at 50 kg, this load cell has a potted cavity and offers excellent performance in damp environments. Complete with 3.1 m/10' of load cell cable.

RL1042, Aluminum ..... Page 159



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.

RL1040, Aluminum, Potted and Unpotted ..... Page 160



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.

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Single Points (Continued)

RL1140, Stainless Steel, Potted ..... **Page 161**



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.

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RL1380, Stainless Steel ..... **Page 162**



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.

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RL1385, Stainless Steel ..... **Page 163**



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.

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RL1260, Aluminum ..... **Page 164**



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.

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RL1250, Potted, Aluminum ..... **Page 165**



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.

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RLMK21, Stainless Steel ..... **Page 166**



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, Stainless Steel ..... **Page 167**



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

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Single Points (Continued)



RLMK1, Alloy Steel ..... Page 168

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.

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Sensors



RLS3010, Aluminum ..... Page 169

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.

RLS3030, Aluminum ..... Page 170



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 High Capacity Button Sensor, Stainless Steel ..... Page 171



This button-type sensor is manufactured from stainless steel, and is available in capacities from 500 to 5000 lb (226.8 to 2268 kg). This durable design is specially coated to provide an accurate, cost-effective solution to very low profile force measurement applications. The RLS1000 is provided with 20'/6.1 m of cable.

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RLS7000, Stainless Steel ..... Page 172



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.

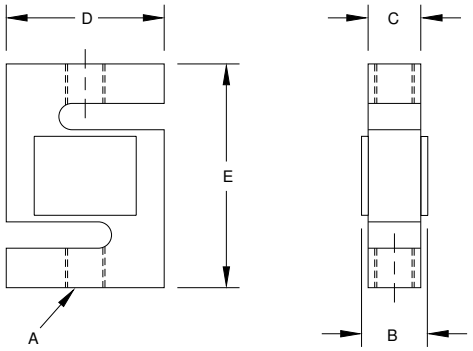
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RL20000 S-Beam, Alloy Steel
NTEP 1:10,000 III L Single Cell, IP67
1:5000 III/1:10,000 IIIL



Picture is a representation of actual product



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:	Two-year limited warranty

RATED CAPACITY	DIMENSIONS A	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 #	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*	$27.00
3/8-24 to 1/4-18 NPT	31534*	$27.00

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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
**Artech	20210

(15K has 1"-14)

WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	357

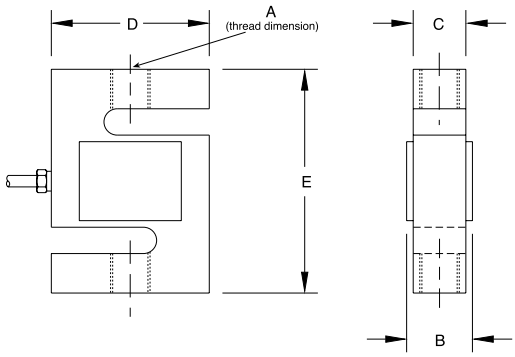
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RL20000 SS S-Beam, Stainless Steel
NTEP 1:10000 Class IIIL Single Cell, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	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	3.90
5000	3/4-16 UNF-2B	1.15	.96	3.00	3.90
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 (+/- .008)
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: Two-year limited warranty

RL20000 SS ORDER INFORMATION

Load Rating	Part #	Price
RL20000SS NTEP		
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*	$27.00
3/8-24 to 1/4-18 NPT	31534*	$27.00

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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Revere Transducers	(see page 265) 9363
Artech	SS20210

WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	357

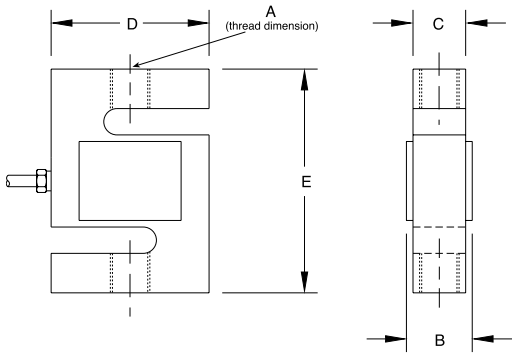
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RICE LAKE
WEIGHING SYSTEMS

RL20000 ST S-Beam, Stainless Steel
NTEP 1:10000 Class IIIL Single Cell, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E
lb/inches					
50-300	1/4-28 UNF-2B	.65	.46	2.00	2.40
500-1000	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
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: Two-year limited warranty

RL20000 ST ORDER INFORMATION

Load Rating	Part #	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 #	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*	$27.00
3/8-24 to 1/4-18 NPT	31534*	$27.00

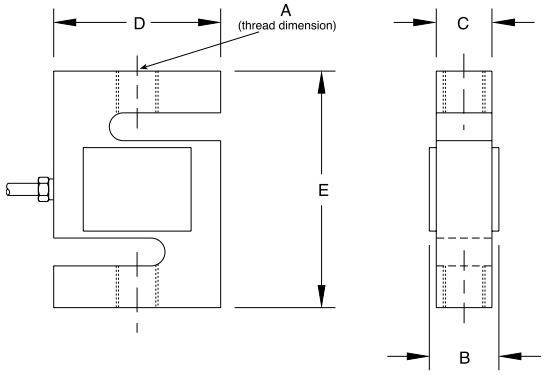
** Parts #31533 and #31534 must be installed together to form the Conduit Adapter Kit.*

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RL20001 S-Beam, Alloy Steel
NTEP III L Single Cell, IP67
1:5000 III/1:10,000 IIIL



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	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: Two-year limited warranty

RL20001 ORDER INFORMATION

Load Rating	Part #	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*	$27.00
3/8-24 to 1/4-18 NPT	31534*	$27.00

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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron	(see page 183) STC
Vishay Sensortronics	(see page 296) 60001

WEIGH MODULE AVAILABLE

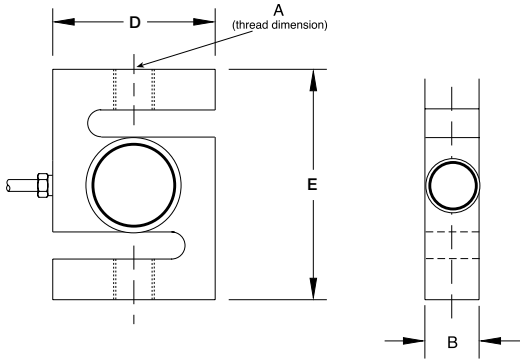
Model	Page #
ITCM Isolated Tension Cell Mount	357

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RL20001 HE S-Beam, Stainless Steel
Welded-seal, IP67, NTEP 1:5000 Class III/1:10000 Class IIIL Single Cell



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	D	E
lb/inches				
750-3000	1/2-20 UNF	1.00	2.00	3.00
5000-10,000	3/4-16 UNF	1.00	3.50	4.75
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 14°F to 104°F/-10°C to 40°C
Safe Overload:	150% Full scale
Rated Excitation:	10V DC (15V maximum)
Nonlinearity:	0.03% Full scale
Hysteresis:	0.02% Full scale
Insulation Resistance:	5000 megohms
Seal Type:	Welded-seal, IP67
Cable Length:	20'/6.1 m
Cable Color Code:	Red.....+ Excitation Black.....– Excitation Green.....+ Signal White .....– Signal
Warranty:	Two-year limited warranty

RL20001 HE ORDER INFORMATION

Load Rating	Part #	Price
RL20001HE NTEP		
750 lb (340.2 kg)	46470	$825.00
1000 lb (453.6 kg)	46471	$825.00
1500 lb (680.4 kg)	46472	$825.00
2000 lb (907.2 kg)	46473	$825.00
2500 lb (1134.0 kg)	46474	$825.00
3000 lb (1360.8 kg)	46475	$825.00
5000 lb (2268.0 kg)	46476	$1,095.00
RL20001HE Non-NTEP		
10,000 lb (4535.9 kg)	36292	$1,095.00

INTERCHANGEABLE PRODUCTS

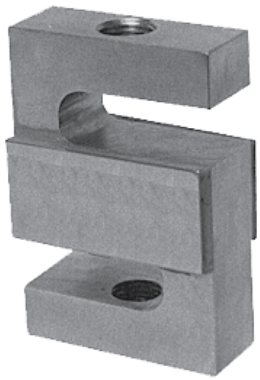
Manufacturer	Model
Vishay Sensortronics	(see page 298) 60063

WEIGH MODULE AVAILABLE

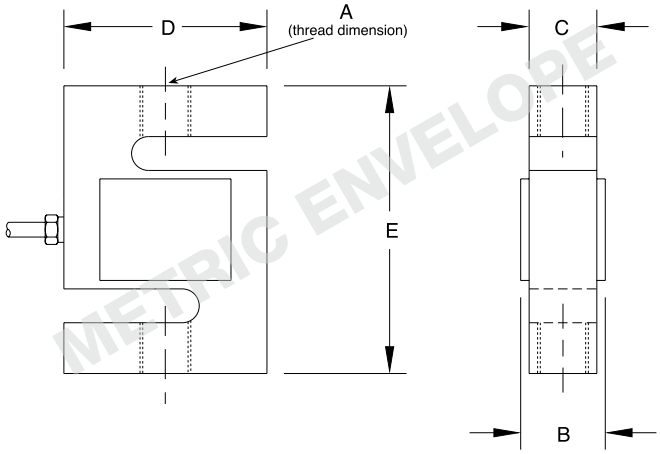
Model	Page #
ITCM Isolated Tension Cell Mount	357

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



Picture is a representation of actual product



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 ±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:	Two-year limited warranty

RLETS ORDER INFORMATION

Load Rating	Part #	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

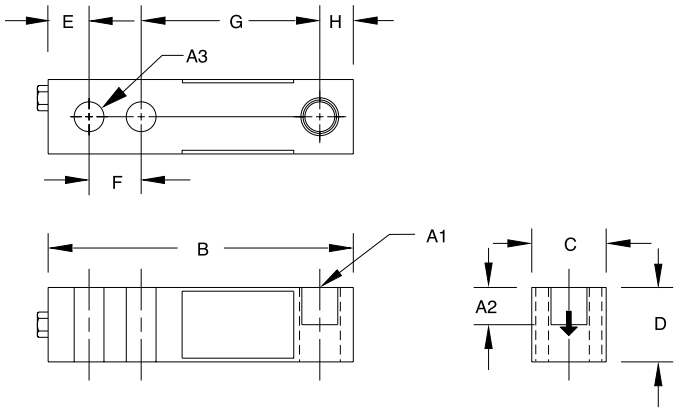
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RL30000 Single-Ended Beam, Alloy Steel
NTEP 1:5000 Class III Multiple Cell, IP67



FM APPROVED
Except 250 lb

Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A1*	A2†	A3*	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										
113.4-2268 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
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
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: Two-year limited warranty

RL30000 (THREADED HOLE) ORDER INFORMATION

Load Rating	Part #	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
3000 lb (1360.8 kg)	21497	$295.00
4000 lb (1814.4 kg)	21498	$295.00
5000 lb SE (2268.0 kg)	21500	$295.00
5000 lb LE (2268.0 kg)	21501	$375.00
10,000 lb (4535.9 kg)	21503	$375.00
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*	$27.00
3/8-24 to 1/4-18 NPT	31534*	$27.00

** 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 #	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*	$27.00
3/8-24 to 1/4-18 NPT	31534*	$27.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Threaded-Hole Design	
Vishay Revere Transducers	(see page 264) 5123
Vishay Tedea-Huntleigh	3411
Artech	30310

WEIGH MODULE AVAILABLE

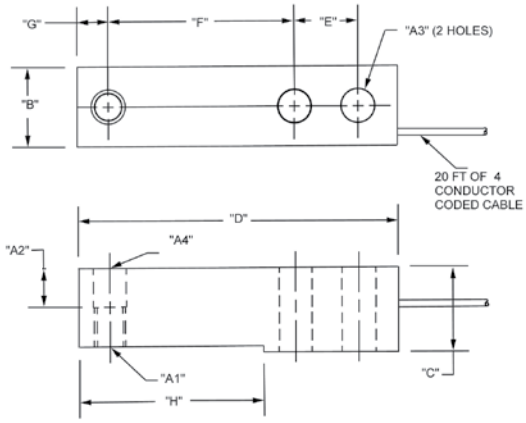
Model	Page #
RL50210 TA	32
RL1800 Series	44

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RLH35 Single-Ended Beam, Stainless Steel
NTEP 1:5000 Class III Multiple Cell, Welded-seal, IP67

NEW!





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A1	A2	A3	A4	B	C	D	E	F	G	H	I
lb/inches												
500-5000	1/2-20 UNF-2B	.62	.53	.53	1.21	1.19	5.12	1.00	3.00	.50	2.85	1.120
kg/mm												
453.6-2268	1/2-20 UNF-2B	15.8	13.5	13.5	30.7	30.2	130.05	25.4	76.2	12.7	72.4	28.4

SPECIFICATIONS:

Full Scale Output:	**3.0 mV/V**
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:	0.03% Full scale
Insulation Resistance:	5000 megohms
Seal Type:	Welded-seal, IP67
Cable Length:	20'/6.1 m / 30'/9.1 m
Cable Color Code:	Green..... + Excitation Black..... – Excitation White ..... + Signal Red..... – Signal Yellow..... Shield
Warranty:	Two-year limited warranty

RLH35 ORDER INFORMATION

20ft Cable	Load Rating	Part #	Price
500 lb	(226.8)	106038	$315.00
1,000 lb	(453.6 kg)	106039	$315.00
2,500 lb	(1134.0 kg)	106040	$315.00
4,000 lb	(1814.4 kg)	106041	$315.00
5,000 lb	(2268.0 kg)	106042	$315.00

30ft Cable	Load Rating	Part #	Price
500 lb	(226.8)	106044	$325.00
1,000 lb	(453.6 kg)	106045	$325.00
2,500 lb	(1134.0 kg)	106046	$325.00
4,000 lb	(1814.4 kg)	106047	$325.00
5,000 lb	(2268.0 kg)	106048	$325.00

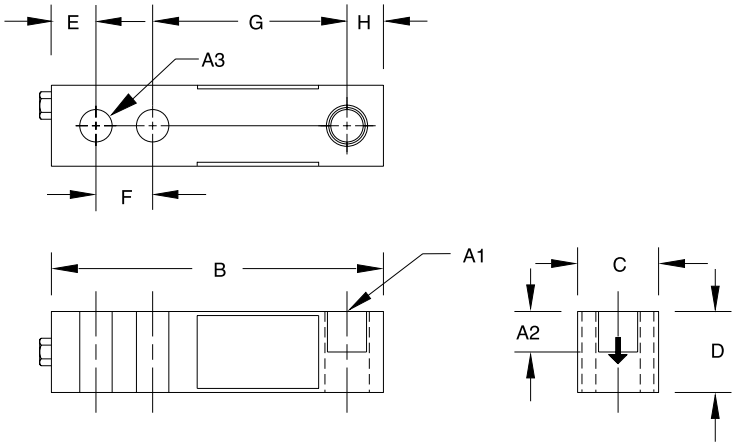
INTERCHANGEABLE PRODUCTS

Manufacturer	Part #	Part #
Mettler Toledo		
500 lb-8 ft cable		TB601019-008
1,000 lb-20 ft cable		TB601016-020
2,500 lb-8 ft cable		TB601016-008
4,000 lb-20 ft cable		TB601017-020
5,000 lb-8 ft cable		TB601018-008

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RL39123 Single-Ended Beam, Stainless Steel





FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A1	A2	A3	B	C	D	E	F	G	H
lb/inches										
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
kg/mm										
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: Two-year limited warranty

RL39123 ORDER INFORMATION

Load Rating	Part #	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
2,500 lb (1134.0 kg)	17191	$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
Conduit Adapter Kit* (must be factory installed to maintain warranty)		
3/8-24 Nipple	31533*	$27.00
3/8-24 to 1/4-18 NPT	31534*	$27.00

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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Revere Transducers	(see page 265) 9123
Artech	SS30310
HBM	(see page 232) B35

WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	32
RL1800 Series	44

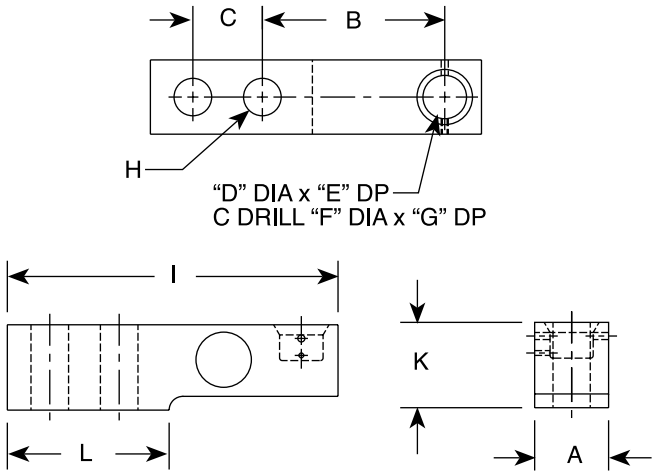
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RL30745 Single-Ended Beam, Stainless Steel
Welded-seal, IP67 NTEP 1:5000 Class III Multiple



500 lb model

Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I	K	L
lb/inches											
500-4,000	1.20	3.00	1.00	.63	.69	.88	.189	.500	5.25	1.22	2.27
5,000	1.46	3.00	1.00	.63	.92	.88	.38	.500	5.38	1.40	2.28
10,000	1.68	3.75	1.50	.88	1.17	1.38	.44	.750	6.87	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	30.9	57.6
2268	37.1	76.2	25.4	16.0	23.4	22.4	9.7	12.7	136.7	35.5	57.9
4536	42.7	95.3	38.1	22.4	29.7	35.1	11.8	19.1	174.5	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: 30'/9.1 m/15"

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

Warranty: Two-year limited warranty

RL30745 ORDER INFORMATION

Load Rating	Part #	Price
30 ft cables		
500 lb (226.8 kg)	76213	$450.00
1,250 lb (567.0 kg)	47946	$450.00
2,500 lb (1,134 kg)	45463	$450.00
5,000 lb (2,268 kg)	45465	$575.00
10,000 lb (4,536 kg)	45466	$695.00
15 ft cables		
500 lb (226.8 kg)	101091	$410.00
1,250 lb (567.0 kg)	101092	$410.00
2,500 lb (1,134 kg)	101093	$410.00
5,000 lb (2,268 kg)	101094	$535.00
10,000 lb (4,536 kg)	101095	$660.00

INTERCHANGEABLE PRODUCTS

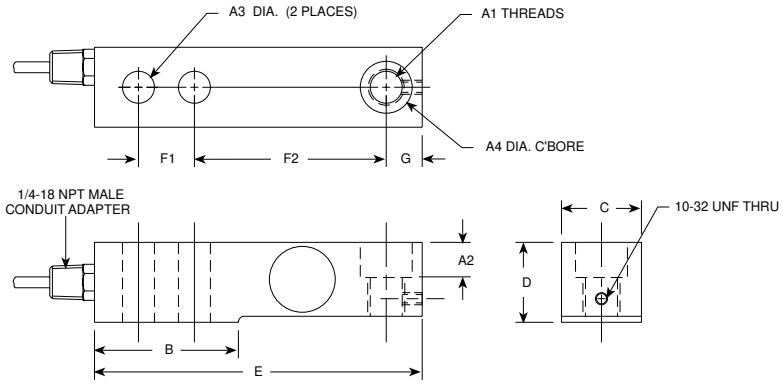
Manufacturer	Model
Mettler-Toledo®	TB600529-500 lb
Mettler-Toledo	TB600363-1250 lb
Mettler-Toledo	TB600342-2500 lb
Mettler-Toledo	TB600343-5000 lb
Mettler-Toledo	TB600364-10000 lb
HBM	(see page 233) THC

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RLBLC Single-Ended Beam, Stainless Steel
with Counter Bore



Picture is a representation of actual product



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	1.21	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	13.5	20.6	57.2	30.2	30.2	130.1	25.4	76.2	12.7
2268.0	3/4-16 UNF-2B	17.0	19.8	30.2	76.2	36.6	36.6	171.5	38.1	95.3	19.1
4535.9	3/4-16 UNF-2B	20.1	19.8	30.2	76.2	36.6	49.3	171.5	38.1	95.3	19.1

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V nominal
Bridge Resistance: 1000 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range 15°F to 115°F/-9°C to 46°C
Seal Type: Environmentally-sealed
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: 1000-4000 lb = .010"/.25 mm, 5000-10,000 lb = .012"/.30 mm
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
Warranty: Two-year limited warranty

RLBLC ORDER INFORMATION

Load Rating	Part #	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

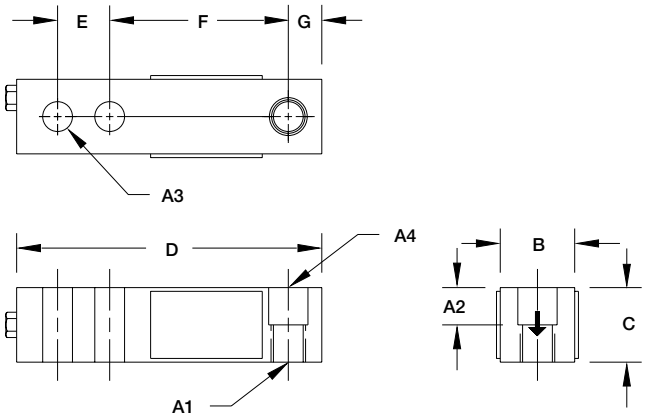
Manufacturer	Model
HBM	(see page 235) BLC

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RL35023 Single-Ended Beam, Alloy Steel
NTEP 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A1	A2	A3	A4	B	C	D	E	F	G
lb/inches										
500	1/2-20 UNF-2B	.50	.53	.53	1.25	1.00	5.12	1.00	3.00	.50
1000-5000 SE	1/2-20 UNF-2B	.62	.53	.53	1.25	1.25	5.12	1.00	3.00	.50
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	13.5	31.8	25.4	130.1	25.4	76.2	12.7
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	12.7
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: Two-year limited warranty

RL35023 ORDER INFORMATION

Load Rating	Part #	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*	$27.00
3/8-24 to 1/4-18 NPT	31534*	$27.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron	(see page 186) SQB
Vishay Sensortronics	(see page 301) 65023
Artech	30310

WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	32
RL1800 Series	44

SE refers to small envelope

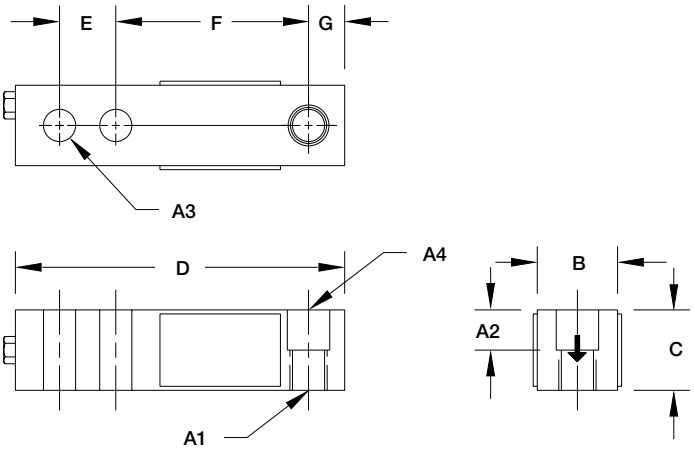
LE refers to large envelope

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

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RL35023S Single-Ended Beam, Stainless Steel
NTEP 1:5000 Class III Multiple Cell, IP67





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A1	A2	A3	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
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: Two-year limited warranty

RL35023S ORDER INFORMATION

Load Rating	Part #	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*	$27.00
3/8-24 to 1/4-18 NPT	31534*	$27.00

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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	(see page 303) 65023 S
Vishay Sensortronics	(see page 302) 65023 SS

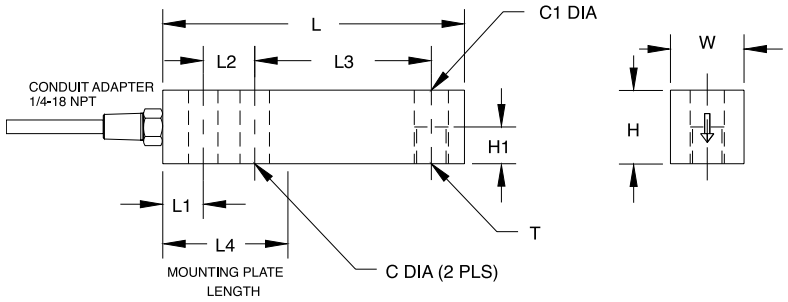
WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	32
RL1800 Series	44

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RL35083 Single-Ended Beam, Stainless Steel
Welded-seal, IP67





FM APPROVED

Picture is a representation of actual product

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

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)
Combined Error: 0.03% 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: Two-year limited warranty

RL35083 ORDER INFORMATION

Load Rating	Part #	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

** 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 304) 65083
Vishay Celtron	(see page 187) SQB-HSS

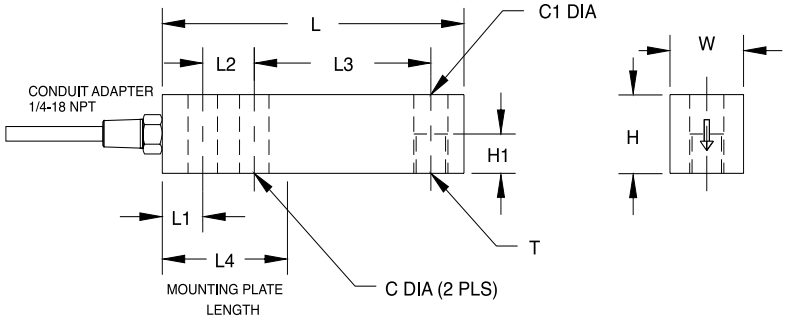
WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	32
RL1800 Series	44

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







*IP66/68 model***

Picture is a representation of actual product

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

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: Two-year limited warranty

RL35082 ORDER INFORMATION

Load Rating		Part #	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 305) 65083 S

WEIGH MODULE AVAILABLE

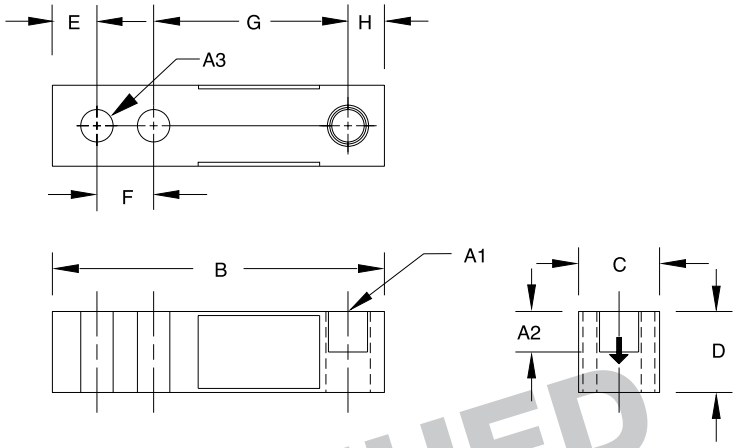
Model	Page #
RL50210 TA	32
RL1800 Series	44

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RL65044 Single-Ended Beam, Alloy Steel



Picture is a representation of actual product



DISCONTINUED

RATED CAPACITY	DIMENSIONS A1	A2	A3	B	C	D	E	F	G	H
lb/inches 4000	1/2-20 UNF-2B	.60	.53	6.00	1.25	1.25	.61	1.75	3.00	.63
kg/mm 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
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
Seal Type: Environmentally-sealed
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Nonlinearity: 0.01% Full scale
Hysteresis: 0.01% Full scale
Insulation Resistance: 5000 megohms
Cable Length: 20'/6.1 m
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: Two-year limited warranty

RL65044 ORDER INFORMATION

Load Rating	Part #	Price
4000 lb (1814.4 kg)	17110	$595.00

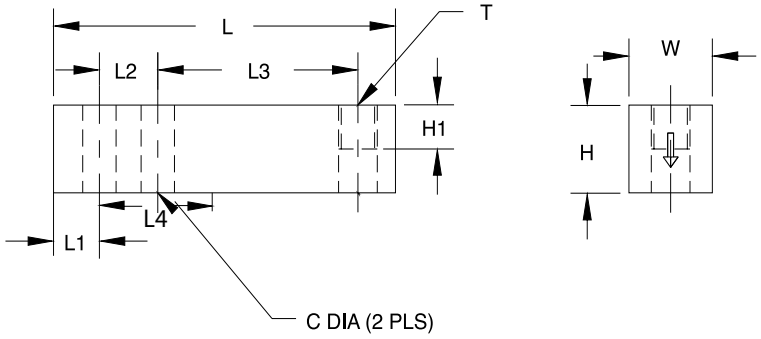
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Electroscale	017116-002
Electroscale	Slimline Series
HBM	SBTE

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RL39523 Single-Ended Beam, Stainless Steel
Welded-seal, IP67





FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS C	C1	H	H1	L	L1	L2	L3	T	W
lb/inches										
1000-4000	.53	.53	1.25	.62	6.12	1.62	1.00	3.00	1/2-20 UNF	1.25
5000-10,000	.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	13.5	13.5	31.8	15.8	155.5	41.2	25.4	76.2	1/2-20 UNF	31.8
2268.0-4535.9	19.8	19.8	38.1	18.8	195.8	43.4	38.1	95.3	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 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: Two-year limited warranty

RL39523 ORDER INFORMATION

Load Rating	Part #	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*	$27.00
3/8-24 to 1/4-18 NPT	31534*	$27.00

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

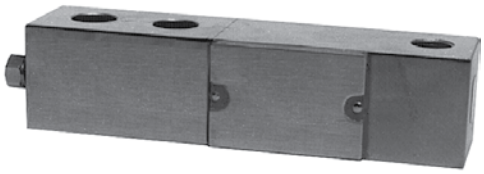
*** Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry*

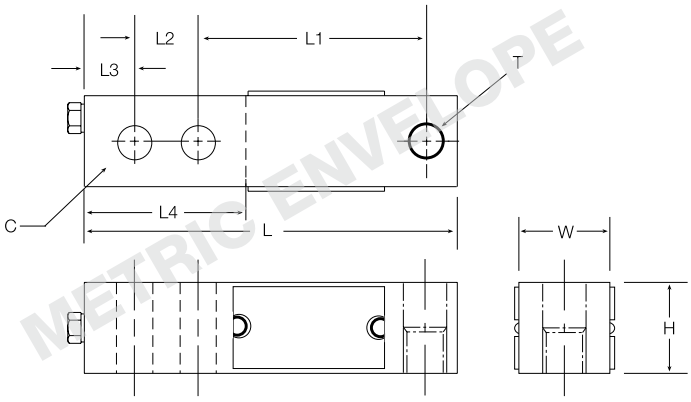
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Revere Transducers	(see page 266) 9523 (has counterbored load hole)

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RLETB Single-Ended Beam, Alloy Steel
OIML C3, IP67





METRIC ENVELOPE

FM APPROVED

OIML

Picture is a representation of actual product

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
Bridge Resistance: 350 ohms, nominal
Material/Finish: Alloy steel
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Combined Error: 0.03% Full scale
Insulation Resistance: 5000 megohms
Seal Type: Environmentally-sealed, IP67
Cable Length: 6 m/19.7'
Cable Color Code: Red..... + Excitation
Black..... – Excitation
Green..... + Signal
White ..... – Signal
Warranty: Two-year limited warranty

RLETB ORDER INFORMATION

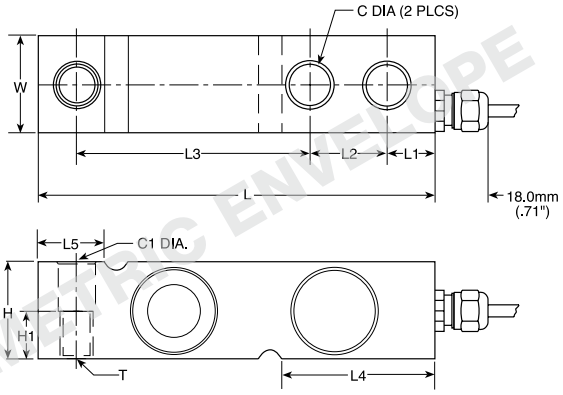
Load Rating	Part #	Price
500 kg (1102.5 lb)	31249	$325.00
1000 kg (2205.0 lb)	31248	$325.00
2000 kg (4410.0 lb)	31247	$325.00
5000 kg (11,025.0 lb)	31246	$405.00

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RLHTO Single-Ended Beam, Stainless Steel
Hermetically-sealed, IP66/68, OIML C3



Picture is a representation of actual product



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 Third.	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 Third.	1.26
11,023.1	.80	.80	1.89	—	6.75	.75	1.50	3.75	2.76	1.46	—	1.44

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Total Error: 0.02% Applied Load
Insulation Resistance: 1000 megohms
Deflection at Capacity: 500-5000 kg = .4 mm/.015"
Seal Type: Hermetically-sealed, IP66/68
Cable Length: 5 m/16.4'
Cable Color Code: Blue ..... + Excitation
Black..... – Excitation
Green..... + Sense
Grey ..... – Sense
White ..... + Signal
Red..... – Signal
Warranty: Two-year limited warranty

RLHTO ORDER INFORMATION

Load Rating		Part #	Price
C3 500 kg	(1102.5 lb)	31253	$485.00
C3 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 343) 3510-kg

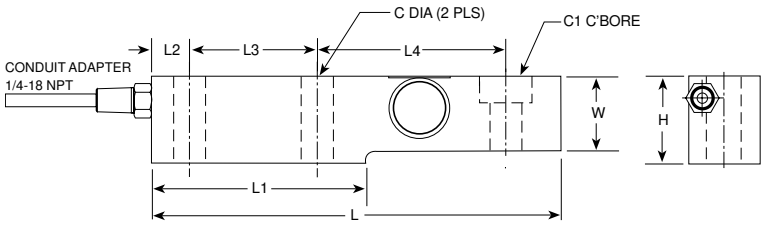
WEIGH MODULE AVAILABLE

Model	Page #
1700HE	16

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





Picture is a representation of actual product

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
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%
Non-repeatability: 0.01% Full scale

Insulation Resistance: 5000 megohms
Seal Type: Welded-seal, IP67
Cable Length: 15'/4.5 m
Cable Color Code: Green.....+ Excitation
Black.....– Excitation
White .....+ Signal
Red.....– Signal
Warranty: Two-year limited warranty

RLSSB ORDER INFORMATION

Load Rating	Part #	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 238) SB3
Vishay Revere Transducers	(see page 271) SSB
Artech	SS30610

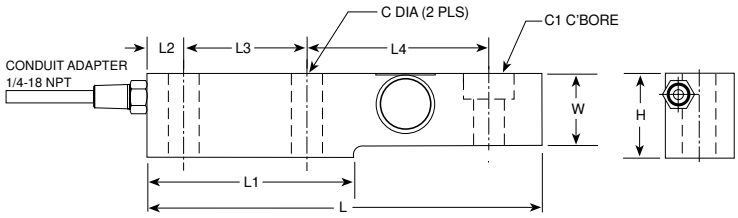
WEIGH MODULE AVAILABLE

Model	Page #
Mount Kit RL1900	46

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





Picture is a representation of actual product

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: 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%
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: Two-year limited warranty

RLSB250 ORDER INFORMATION

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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Cardinal®	SB2500*

**Thru hole design*

WEIGH MODULE AVAILABLE

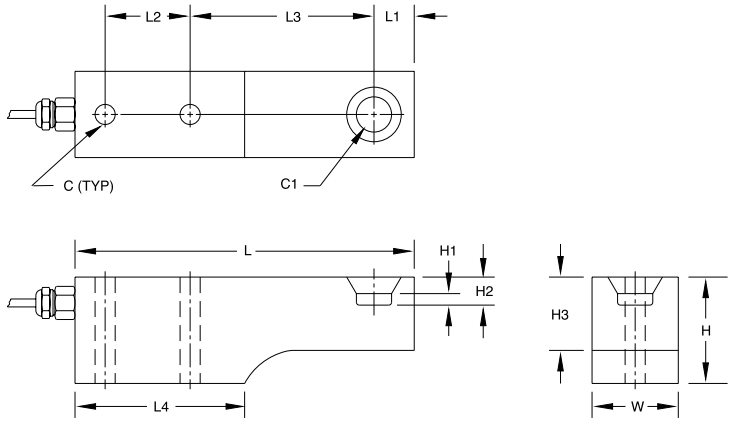
Model	Page #
Mount Kit RL1900	46

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RLSB2 Single-Ended Beam
Alloy Steel with Blind Load Hole, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS C	C1	H	H1	H2	H3	L	L1	L2	L3	L4	W
lb/inches												
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 ± .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 (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: Two-year limited warranty

RLSB2 ORDER INFORMATION

Load Rating	Part #	Price
1000 lb (453.6 kg)	N/A	N/A
2000 lb (907.2 kg)	N/A	N/A
5000 lb (2268.0 kg)	17213	$1,445.00
10,000 lb (4535.9 kg)	N/A	N/A
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)

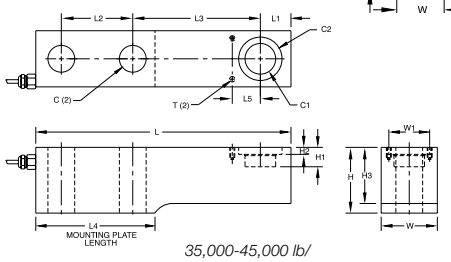
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RLSB2L/RLSB2M/RLSB2MLW Single-Ended Beam

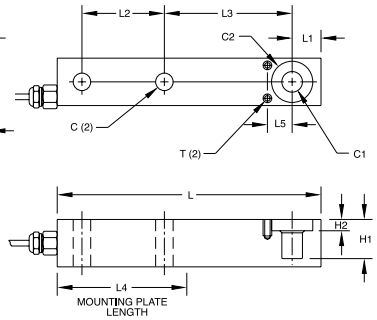
Hermetically-sealed, IP67, Alloy Steel/Stainless Steel with Blind Load Hole



Picture is a representation of actual product



35,000-45,000 lb/
15,876-20,411.7 kg



1000-20,000 lb/
453.6-9072 kg

RATED CAPACITY	DIMENSIONS 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
35,000-45,000	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:	**1000-20,000 lb - Stainless steel** **35,000-45,000 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 (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
Cable Length:	1000-20,000 lb=20'/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:	Two-year limited warranty

RLSB2L/RLSB2M/RLSB2MLW ORDER INFORMATION

Load Rating		Part #	Price
RLSB2MLW			
1000 lb	(453.6 kg)	92798	$865.00
3000 lb	(1360.8 kg)	92799	$865.00
5000 lb	(2268.0 kg)	92800	$865.00
10,000 lb	(4535.9 kg)	92801	$1,395.00
20,000 lb	(9071.9 kg)	92802	$1,395.00
RLSB2L			
*35,000 lb	(15,875.7 kg)	65234	$1,495.00
45,000 lb	(20,411.7 kg)	22279	$1,565.00
RLSB2M			
*45,000 lb	(20,411.7 kg) 2000ohm	31915	$1,565.00
Load Cell Spacer			
Spacer	(20k)	100117	$25.00
Spacer	(1-5k)	100750	$35.00

** Hermetically-sealed*

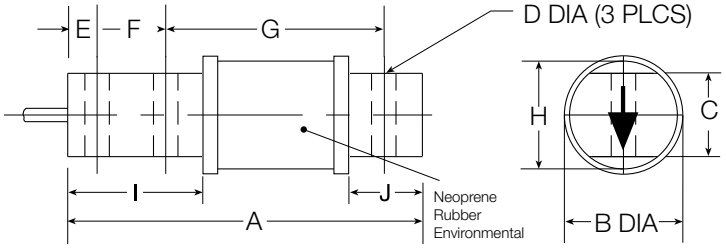
INTERCHANGEABLE PRODUCTS

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)

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RL50210 Single-Ended Beam, Alloy Steel, IP65





FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I	J
lb/inches 25-500	2.81	1.30	.62	.26	.25	.50	1.81	1.00	1.00	.50
kg/mm 11.3-226.8	71.4	33.0	15.8	6.6	6.4	12.7	46.0	25.4	25.4	12.7

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: 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: Two-year limited warranty

RL50210 ORDER INFORMATION

Load Rating	Part #	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 306)	60040
Artech	50210
Vishay Revere Transducers	5503

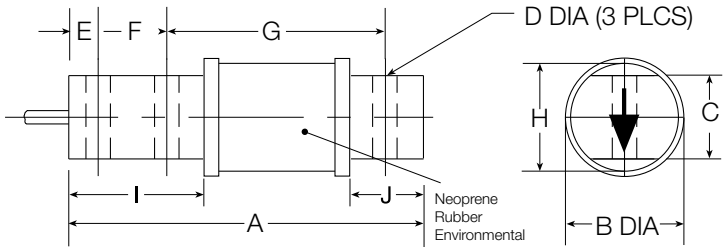
WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	32

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RL60040SST Single-Ended Beam, Stainless Steel, IP65





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I	J
lb/inches 25-500	2.81	1.30	.62	.26	.25	.50	1.81	1.00	1.00	.50
kg/mm 11.3-226.8	71.4	33.0	15.8	6.6	6.4	12.7	46.0	25.4	25.4	12.7

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range 0°F to 150°F/-18°C to 65°C
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Nonlinearity: 0.03% Full scale
Hysteresis: 0.02% 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: Two-year limited warranty

RL50210 ORDER INFORMATION

Load Rating	Part #	Price
25 lb (11.3 kg)	101972	$425.00
50 lb (22.7 kg)	101973	$425.00
75 lb (34.0 kg)	101974	$425.00
100 lb (45.4 kg)	101975	$425.00
150 lb (68.0 kg)	101976	$425.00
250 lb (113.4 kg)	101977	$425.00
500 lb (226.8 kg)	101978	$425.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
*Vishay Sensortronics	(see page 306) 60040
*Artech	50210
*Vishay Revere Transducers	5503

WEIGH MODULE AVAILABLE

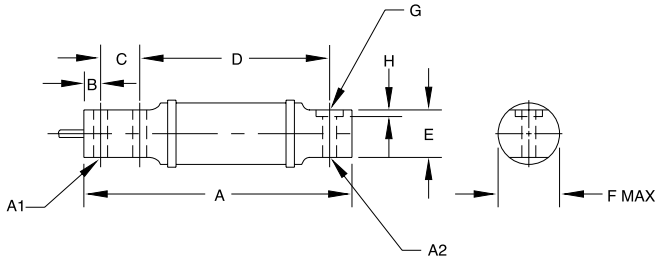
Model	Page #
RL50210 TA	32

**Alloy steel*

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RL40BBS Single-Ended Beam, Alloy Steel, IP65





Picture is a representation of actual product

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
Bridge Resistance: 50-1000 lb/750 ohms, nominal
2500 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 DC (15V 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 = .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
Seal Type: Environmentally-sealed with neoprene sleeve, IP65
Cable Length: 10'/3.1 m
Cable Color Code: Green..... + Excitation
Black..... – Excitation
White ..... + Signal
Red..... – Signal
Warranty: Two-year limited warranty

RL40BBS ORDER INFORMATION

Load Rating	Part #	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

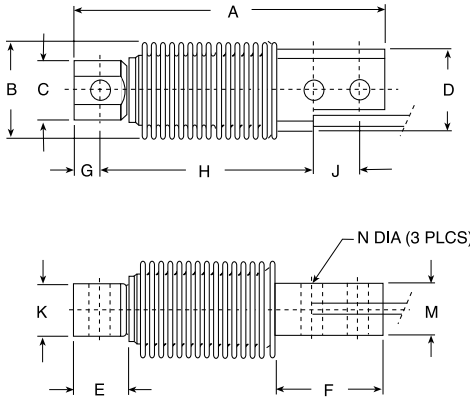
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
HBM	(see page 236) BBS
Vishay Sensortronics	60007
Fairbanks®	3-481XX-1
Fairbanks	3-48660-1

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RLHBB Single-Ended Beam, Stainless Steel
Hermetically-sealed, IP68, NTEP 1:5000 Class III Multiple Cell, OIML C3





Picture is a representation of actual product

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 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: Two-year limited warranty

RLHBB ORDER INFORMATION

Load Rating		Part #	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 239) Z6*
Vishay Revere Transducers	(see page 270) SHB
Vishay Tedea-Huntleigh	355
Vishay Celtron	(see page 190) HBB**
Cardinal	CB6

WEIGH MODULE AVAILABLE

Model	Page #
1700HE Series	16

** Non-NTEP*

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

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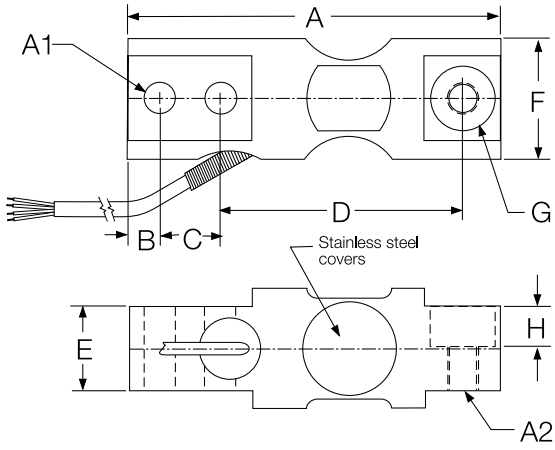
RL32155 Single-Ended Beam, Stainless Steel, IP67



FM APPROVED

Consult factory

Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	A1	A2	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: Two-year limited warranty

RL32155 ORDER INFORMATION

Load Rating	Part #	Price
500 lb (226.8 kg)	31914	$625.00
1000 lb (453.9 kg)	31912	$625.00
2000 lb (907.2 kg)	31913	$625.00
Load Cup	31911	$38.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Mettler-Toledo®	11785700A
Mettler-Toledo	11785600A, 12744300B
Mettler-Toledo	11786900A, 11788500A

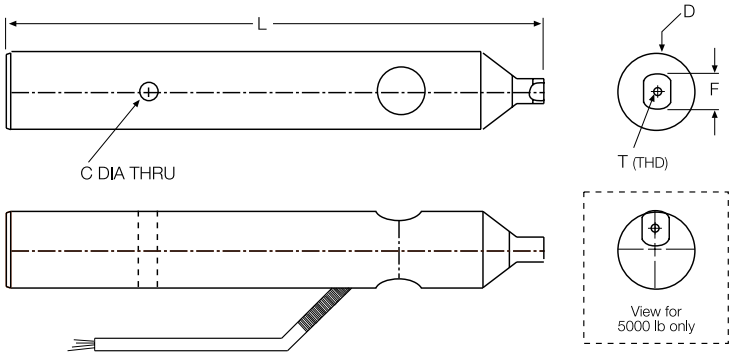
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RICE LAKE
WEIGHING SYSTEMS

RL75000 SS Single-Ended Beam, Stainless Steel
Welded-seal*, IP67



Welded-seal except 1250 lb



FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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
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

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: 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: Two-year limited warranty

Warranty: 2-year limited warranty

RL75000 SS ORDER INFORMATION

Load Rating	Part #	Price
1250 lb (567 kg)	42501	$810.00
*2500 lb (1134 kg)	42502	$810.00
*5000 lb (2268 kg)	42503	$895.00

*Welded-seal

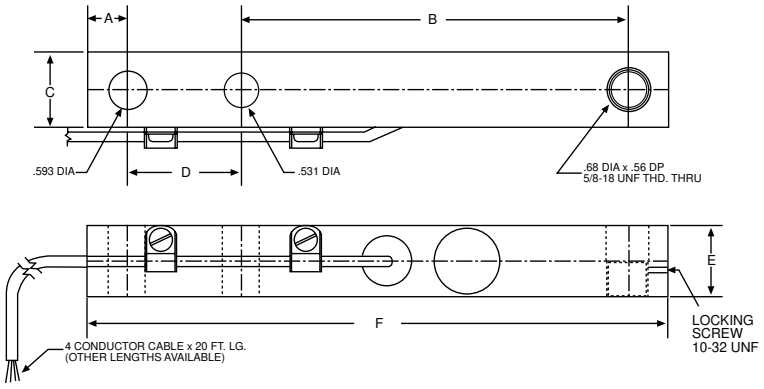
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Weigh-Tronix®	Weigh Bar

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RLSBF Single-Ended Beam, Stainless Steel, IP67





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Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F
lb/inches 1500-2500	.63	6.00	1.19	1.75	1.13	9.00
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: Two-year limited warranty

RLSBF ORDER INFORMATION

Load Rating	Part #	Price
1500 lb (680.4 kg)	53284	$615.00
2500 lb (1134.0 kg)	53283	$615.00
Load Cup	69400	$35.00
Locking Screw	14929	$1.00

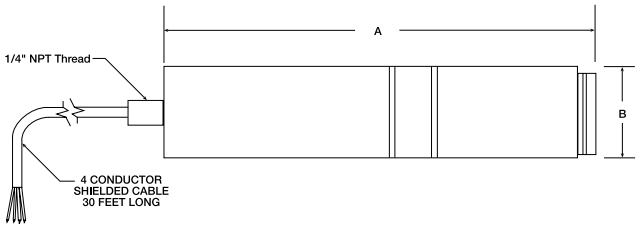
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Fairbanks®	3-48424-X, 3-48363-1A
HBM	SBF

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RLBEAM Single-Ended Beam, Stainless Steel
Hermetically-sealed, IP68





Picture is a representation of actual product

DISCONTINUED

RATED CAPACITY		DIMENSIONS A	B
lb/inches			
1125	(5 kN)	6.54	1.30
2250-4500	(10 kN - 20 kN*)	8.38	1.96
11,250	(50 kN*)	11.6	2.95
22,500	(100 kN*)	12.6	3.54
45,000	(200 kN*)	13.8	3.93
kg/mm			
510.3	(5 kN)		
1020.6-2041.2	(10 kN - 20 kN*)	212.9	49.8
5102.9	(50 kN*)	294.6	74.9
10,205.8	(100 kN*)	320.0	89.9
20,411.7	(200 kN*)	350.5	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: Two-year limited warranty

RLBEAM ORDER INFORMATION

Load Rating		Part #	Price
1125 lb	(5kN*)	(510.3 kg).....73730	$1,710.00
2250 lb	(10kN*)	(1020.6 kg).....47845	$1,795.00
4500 lb	(20kN*)	(2041.2 kg).....47846	$1,795.00
11,250 lb	(50kN*)	(5,102.9 kg).....47847	$2,490.00
22,500 lb	(100kN*)	(10,205.8 kg).....47848	$2,490.00
45,000 lb	(200kN*)	(20,411.7 kg).....47849	$3,250.00

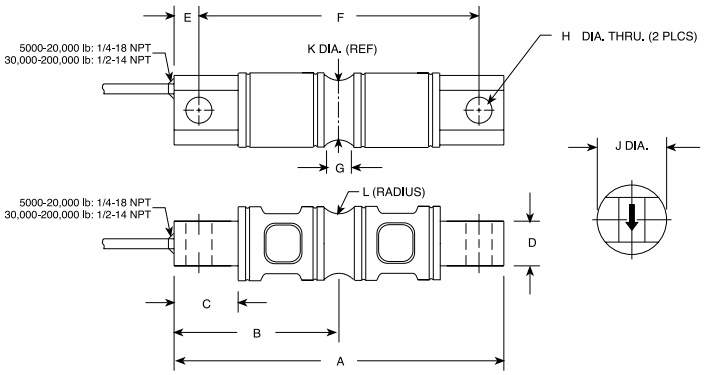
** kN = Kilonewtons, 1 kN = 224.8089 lb*

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



Picture is a representation of actual product



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	.62	6.88	.84	.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	1.56	3.75	3.24	1.00
150,000	11.25	5.62	1.88	2.80	.88	9.50	1.25	1.06	3.90	3.64	1.50
200,000-250,000	16.10	8.05	3.05	4.60	1.55	13.00	1.30	1.56	5.38	5.17	2.00
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
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
68,038.8	285.8	142.8	47.8	63.5	22.4	241.3	31.8	26.9	99.1	92.5	38.1
90,718.5-113,398	409.0	204.5	77.5	116.8	39.4	330.2	33.0	39.6	136.7	131.3	50.8
113,398											

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 (15V maximum)
Combined Error: 0.02% Full scale
Insulation Resistance: 5000 megohms
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
Seal Type: Environmentally-sealed, IP67
Cable Length: 30'/9.1 m
Cable Color Code: Red..... + Excitation
Black..... – Excitation
Green..... + Signal
White ..... – Signal
Warranty: Two-year limited warranty

RL70000 ORDER INFORMATION

Load Rating		Part #	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	$755.00
60,000 lb	(27,215.5 kg)	36269	$755.00
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
Vishay Revere Transducers	5103
Artech	70210

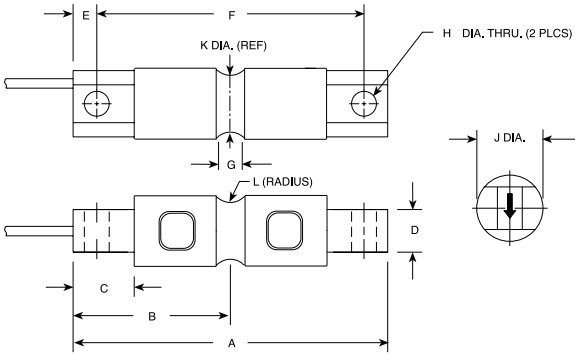
WEIGH MODULE AVAILABLE

Model	Page #
EZ Mount 1	62

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RL70000 SS Double-Ended Beam, Stainless Steel, IP67





FM APPROVED

Picture is a representation of actual product

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
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 (15V max)
Non-repeatability: 0.02% Full scale
Combined Error: 0.1% Full scale
Insulation Resistance: 5000 megohms
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
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: Two-year limited warranty

RL70000 SS ORDER INFORMATION

Rated Capacity	Part #	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*	$27.00
3/8-24 to 1/4-18 NPT	31534*	$27.00
5/8-18 UNF/1/2-14 NPT	31535**	$38.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 137) RL71000 HE
Vishay Revere Transducers	(see page 273) 9103
Artech	SS70210

WEIGH MODULE AVAILABLE

Model	Page #
EZ Mount 1	62

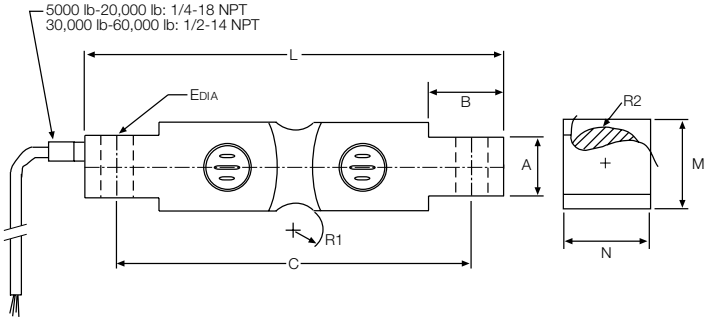
** On capacities of 5000 to 20,000 lb, part #31534 must be installed together to form the Conduit Adapter Kit*

*** On capacities of 30,000 to 150,000 lb, order part #31535*

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





FM APPROVED

Consult factory

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	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: Two-year limited warranty

RL71000HE ORDER INFORMATION

Load Rating	Part #	Price
5000 lb (2268.0 kg)	42131	$1,095.00
10,000 lb (4535.9 kg)	42132	$1,095.00
20,000 lb (9071.9 kg)	42133	$1,095.00
30,000 lb (13,608.0 kg)	42134	$1,295.00
40,000 lb (18,144.0 kg)	42135	$1,295.00
50,000 lb (22,679.6 kg)	42136	$1,295.00
60,000 lb (27,216.0 kg)	42137	$1,295.00

** Consult factory for IS applications*

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 136)	RL70000 SS
Vishay Revere Transducers..... (see page 273)	9103

WEIGH MODULE AVAILABLE

Model	Page #
EZ Mount 1	62

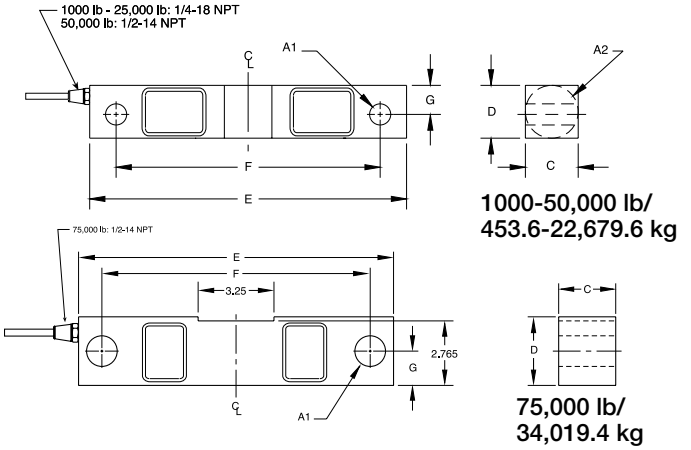
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RL75016 Double-Ended Beam, Alloy Steel, IP67



FM APPROVED

Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A1	A2	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: 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: 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: Two-year limited warranty

RL75016 ORDER INFORMATION

Load Rating	Part #	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 192) DSR
Vishay Sensortronics	(see page 312)) 65016
Vishay Revere Transducers	5203

WEIGH MODULE AVAILABLE

Model	Page #
RL1600 Series	70 and 72

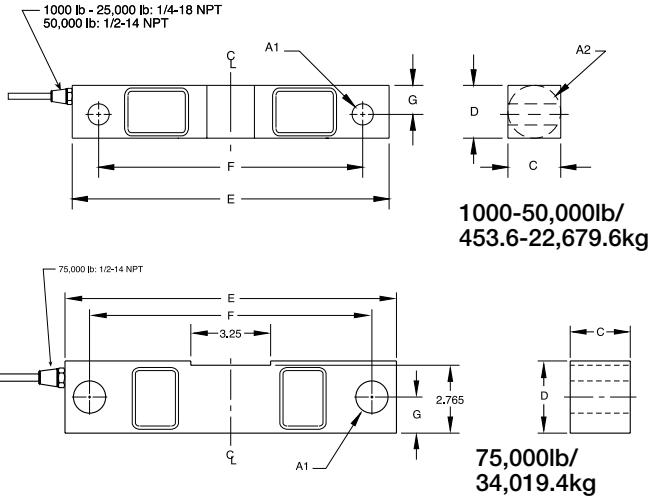
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RL75016 SS Double-Ended Beam, Stainless Steel, IP67



FM APPROVED

Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A1	A2	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:	0.07% 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:	Two-year limited warranty

RL75016 SS ORDER INFORMATION

Load Rating	Part #	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 140)	RL75016 WHE*
Vishay Sensortronics ..... (see page 313)	65016W
Vishay Sensortronics ..... (see page 314)	65016WH*
Vishay Revere Transducers	9203
Vishay Celtron ..... (see page 193)	DSR-HSS

WEIGH MODULE AVAILABLE

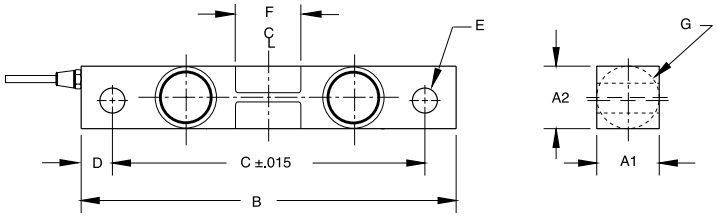
Model	Page #
RL1600 Series	68

** Hermetically-sealed*

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RL75016 WHE Double-Ended Beam, Stainless Steel
Hermetically-sealed, IP66/68





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A1	A2	B	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
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: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
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: Two-year limited warranty

RL75016 WHE ORDER INFORMATION

Load Rating		Part #	Price
1000 lb	(453.6 kg)	67043	$655.00
1500 lb	(680.4 kg)	67044	$655.00
2000 lb	(907.2 kg)	67045	$655.00
2500 lb	(1124.0 kg)	67046	$655.00
5000 lb	(2268.0 kg)	67047	$655.00
10,000 lb	(4535.9 kg)	67048	$745.00
15,000 lb	(6803.9 kg)	67049	$745.00
20,000 lb	(9071.8 kg)	67050	$745.00
25,000 lb	(11,339.8 kg)	67051	$745.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 139) RL75016 SS*
Vishay Sensortronics	(see page 313) 65016W
Vishay Sensortronics	(see page 314) 65016WH

** Environmentally-sealed, IP67*

WEIGH MODULE AVAILABLE

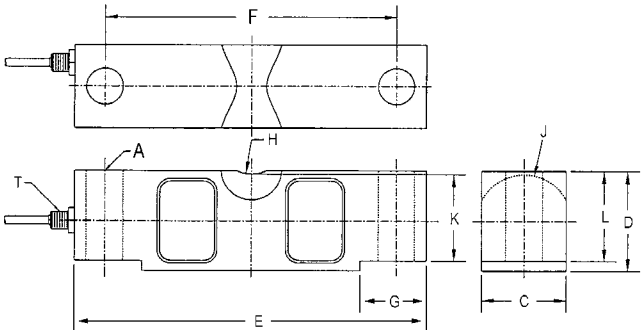
Model	Page #
RL1600 Series	68

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Color Literature Available by Request

RL75058 Double-Ended Beam, Alloy Steel
NTEP 1:10,000 Class IIIL Multiple Cell, IP67





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	C	D	E	F	G	H	J	K	L	T
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 (15V 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: Two-year limited warranty

RL75058 ORDER INFORMATION

Load Rating		Part #	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	$895.00
75,000 lb	(34,019.4 kg)	39516	$925.00
*75,000 lb	(34,019.4 kg)	73839	$995.00
125,000 lb	(45,359.4 kg)	96944	$1,625.00
100' Cable			
75,000 lb	(34,019.4 kg)	74725	$995.00

** Stainless steel overbraid cable*

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	(see page 315) 65058
Vishay Celtron	(see page 194) CLB

WEIGH MODULE AVAILABLE

Model	Page #
2100HE	20
MVS	74
TSA	76

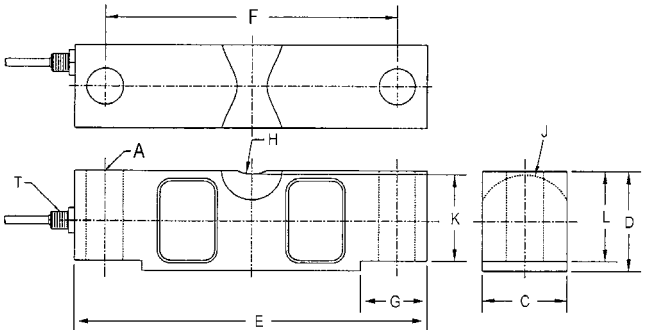
LE refers to large envelope

Rice Lake Weighing Systems

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





Picture is a representation of actual product

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
Bridge Resistance: 700 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V 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: Two-year limited warranty

RL75060S ORDER INFORMATION

Load Rating		Part #	Price
20,000 lb	(9071.9 kg)	53481	$875.00
25,000 lb	(11,339.8 kg)	50559	$875.00
35,000 lb	(15,875.7 kg)	50560	$1,095.00
50,000 lb	(22,679.6 kg)	50561	$1,095.00
60,000 lb	(27,215.5 kg)	50562	$1,095.00
75,000 lb	(34,019.4 kg)	50563	$1,095.00
100,000 lb	(45,359.4 kg)	50564	$2,295.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	(see page 316) 65058 S

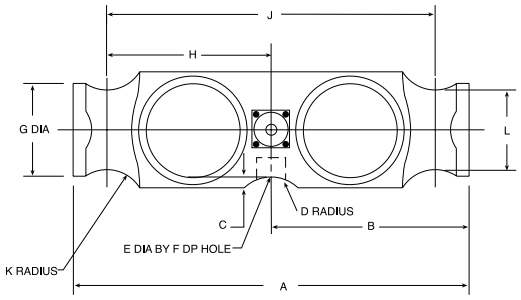
WEIGH MODULE AVAILABLE

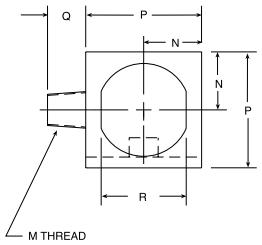
Model	Page #
2100HE	20
MVS	74
TSA	76

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RL75223 Double-Ended Beam, Alloy Steel
Welded-seal, IP67, NTEP 1:10,000 Class IIIL Multiple Cell







FM APPROVED

Picture is a representation of actual product

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
Bridge Resistance: 700 ohms, nominal
Material/Finish: High-alloy 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)
Non-repeatability: 0.01% Full scale
Combined Error: 0.03% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 50,000 lb = .018"/.5 mm, 65,000 lb = .022"/.6 mm, 100,000 lb = .034"/.9 mm
Seal Type: Welded-seal strain gauge*, IP67
Cable Length: 40'/12.2 m
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: Two-year limited warranty

RL75223 ORDER INFORMATION

Load Rating	Part #	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
Vishay Revere Transducers	(see page 274) 5223
Artech	80210
Thurman®	TSC 800
Sensortronics	65040A-XX-1127W
Unibridge	DL90000

WEIGH MODULE AVAILABLE

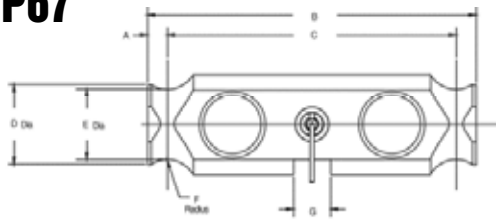
Model	Page #
Translink	84

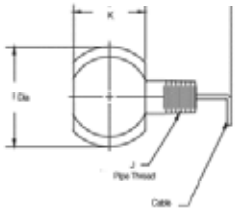
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RLDB50000S Double-Ended Beam, Stainless Steel
NTEP 1:10,000 III Multiple, Welded Seal IP67



Picture is a representation of actual product





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

SPECIFICATIONS:

Full Scale Output: **2±0.1% mV/V**
Bridge Resistance: **700 ohms, nominal**
Material/Finish: **Stainless Steel**
Temperature: Compensation Range 14°F-104°F/-10°C-40°C
Safe Overload: 150% Full Scale
Rated Excitation: 10 VDC (15 VDC maximum)
Non-repeatability: 0.01% Full Scale
Combined Error: 0.03% Full Scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 0.01"/0.38mm
Seal Type: Environmentally sealed, NEMA 6P/IP67
Cable Length: 35'/10.6 m
Cable Color Code: Red.....+ Excitation
Black..... - Excitation
White ..... - Signal
Green.....+ Signal
Warranty: Two-year limited warranty

RLDB5000S ORDER INFORMATION

Load Rating	Part #	Price
50,000 lb (22,679.6 kg)	91765	$1,195.00

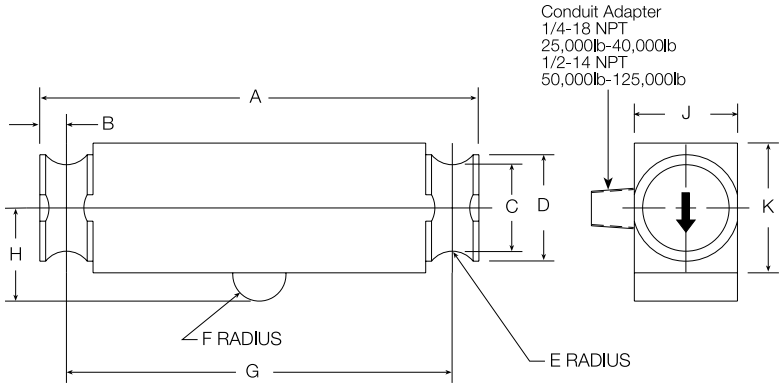
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Cardinal®	DB50000S

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RL75040 Double-Ended Beam, Alloy Steel
NTEP 1:10,000 Class IIIL Multiple Cell, IP67





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	J	K
lb/inches										
25,000-40,000 50K SE & 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

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 (15V 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
Cable Coloring: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: Two-year limited warranty

RL75040 ORDER INFORMATION

Load Rating	Part #	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 Small Envelope		
50,000 lb SE (22,679.6 kg)	87253	$760.00
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 318) 65040A
Artech	80310
Thurman®	TSC 840
Vishay Celtron	(see page 195) DLB

WEIGH MODULE AVAILABLE

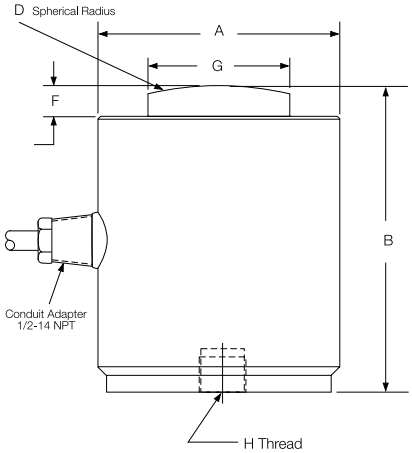
Model	Page #
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RLCSP1 Compression Canister, Stainless Steel
Welded-seal, IP67, NTEP 1:10,000 Class IIIL Multiple Cell



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	D	F	G	H	DEPTH
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 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: Two-year limited warranty

RLCSP1 ORDER INFORMATION

Load Rating		Part #	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	$1,895.00
200,000 lb	(90,718.5 kg)	32699	$2,795.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	65088-1000
Vishay Revere Transducers	(see page 284) CSP
Vishay Revere Transducers	692B
Howe Richardson®	244699-000X
Streeter Amet	3760XXX

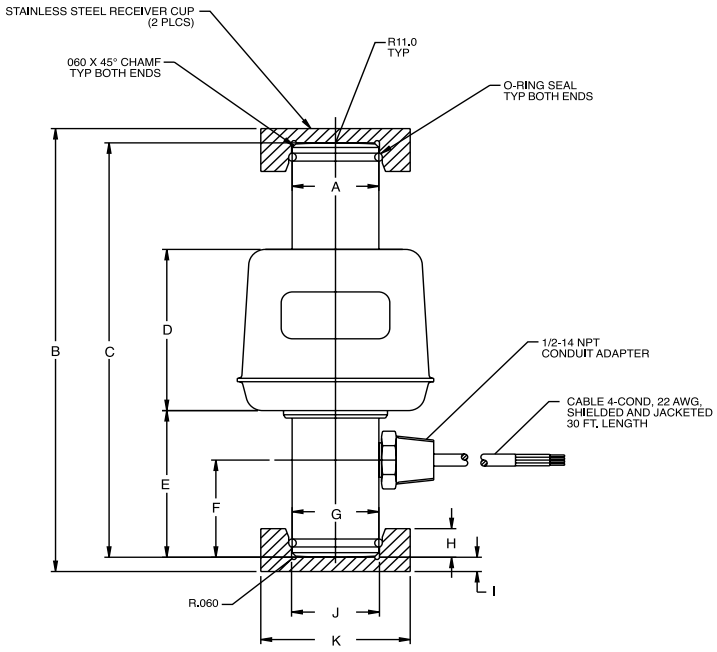
WEIGH MODULE AVAILABLE

Model	Page #
MagnaMount®	88

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RLSCA-50K Rocker Column, Stainless Steel
Welded-seal, IP67, NTEP 1:10,000 Class IIIL Multiple Cell





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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
Bridge Resistance: 1050 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 DC (15V maximum)
Combined Error: .025% Full scale
Non-repeatability: .01% Full scale
Insulation Resistance: 1000 megohms
Seal Type: Welded-seal, IP67
Cable Length: 30'/9 m
Cable Color Code: Green.....+ Excitation
Black.....– Excitation
White .....– Signal
Red.....+ Signal
Warranty: Two-year limited warranty

RLSCA ORDER INFORMATION

Load Rating	Part #	Price
50,000 lb (22,679.6 kg) (comes with 85433)	68918	$995.00
Replacement load cup set (upper & lower included)	85433	$95.00
Replacement O-rings	92988	$1.00/each

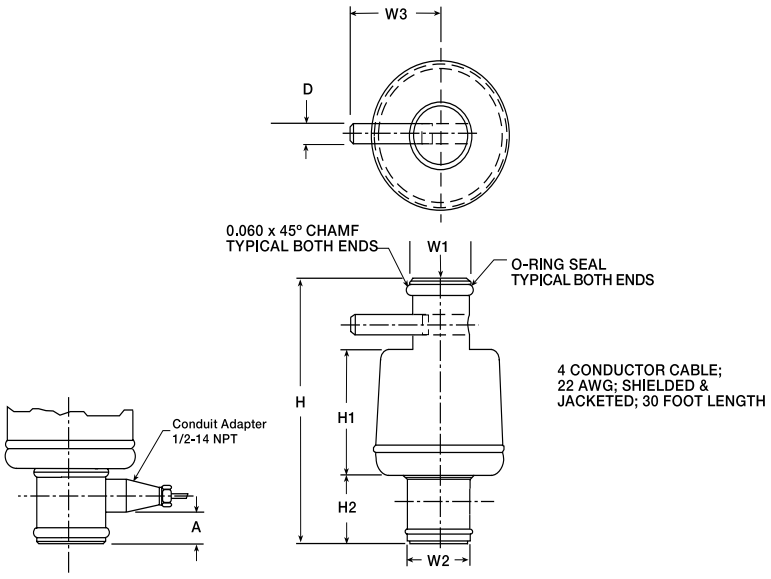
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Cardinal®	SCA-50K

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RL75114-50K Rocker Column, Stainless Steel
Welded Seal, IP67, NTEP 1:10,000 Class III L





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	D	H	H1	H2	W1	W2	W3
lb/inches 50,000 LE	.87	.38	7.56	2.82	2.38	1.46	1.46	2.18
kg/mm 22,680.0	15.6	9.7	192.0	71.6	40.4	37.08	37.1	63.5

SPECIFICATIONS:

Full Scale Output: 1.8mV/v nominal
Bridge Resistance: 1000 ohms
Material/Finish: Stainless Steel
Temperature: Compensated Range 14°F-104°F (-10°C-40°C)
Safe Overload: 150%
Rated Excitation: 10 VDC
Combined Error: 0.025% FS
Non-repeatability: .01% FS
Insulation Resistance: 1000 megohms
Seal Type: Welded Seal IP67
Cable Length: 30'
Cable Color Code: Green... + Excitation
Black..... - Excitation
White ..... + Signal
Red..... - Signal
Warranty: Two-year limited warranty

RLSCA ORDER INFORMATION

Load Rating	Part #	Price
50,000 lb (22,679.6 kg)	88074	$1,195.00

INTERCHANGEABLE PRODUCTS

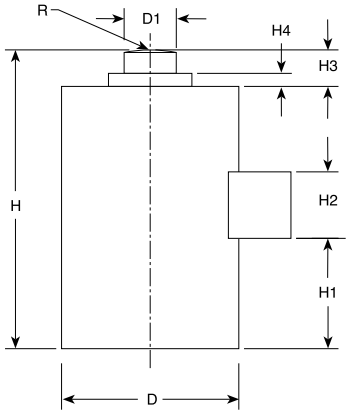
Manufacturer	Part #	Model
Fairbanks	64166	LCFHR4020-2

Not interchangeable with Sensortronics 65114 - different mV/v

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RL8C2P1SS Compression Canister, Stainless Steel
Hermetically-sealed, IP68, NTEP 1:10,000 Class IIIL Multiple Cell





Picture is a representation of actual product

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: Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload: 150% Full scale
Rated Excitation: 10V 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: Two-year limited warranty

RL8C2P1SS ORDER INFORMATION

Load Rating		Part #	Price
50,000 lb	(22,679.6 kg)	34855	$1,700.00
100,000 lb	(45,359.2 kg)	34856	$1,700.00
200,000 lb	(90,718.5 kg)	34857	$2,300.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Revere Transducers	(see page 282) 792

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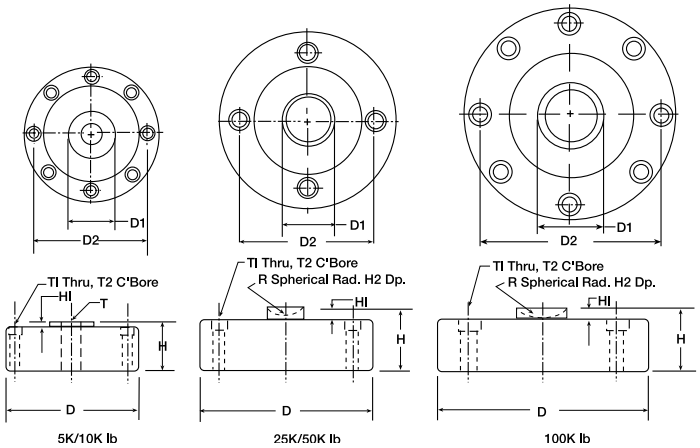
RL90000 Compression* Disk, Alloy Steel



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

FM APPROVED

Picture is a representation of actual product



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: Two-year limited warranty

RL90000 ORDER INFORMATION

Load Rating		Part #	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.*

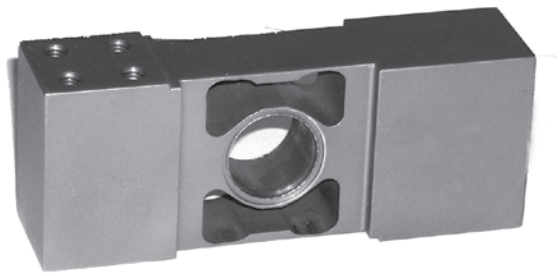
Load cup, part #33616, is required for compression applications on 5000 lb and 10,000 lb capacity load cells.

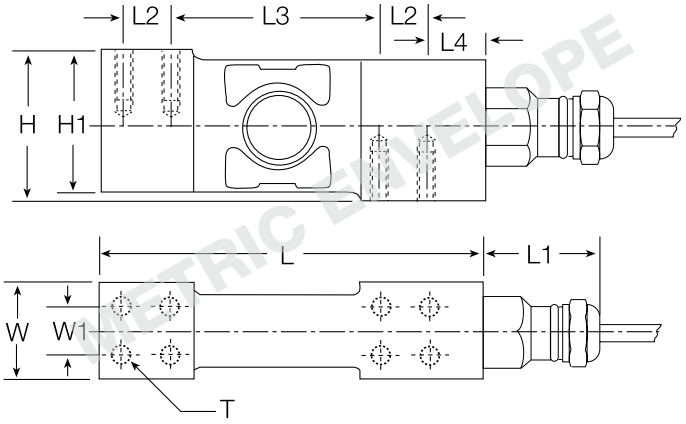
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron	(see page 200) LCD

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RLPC6 Single Point
NTEP 1:5000 Class III Single Cell, Stainless Steel, Hermetically Sealed, IP69





Picture is a representation of actual product

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% FS
Rated Excitation:	10 V DC
Total Error:	0.02% FS
Insulation Resistance:	5000 megohms
Seal Type:	Hermetically sealed, IP69
Cable Length:	10'/3.1 m
Cable Color Code:	Green..... + Excitation Black..... - Excitation White ..... + Signal Red..... - Signal Yellow..... Shield
Max Platform Size:	24' x 24'
Warranty:	Two-year limited warranty

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

RLPC6 ORDER INFORMATION

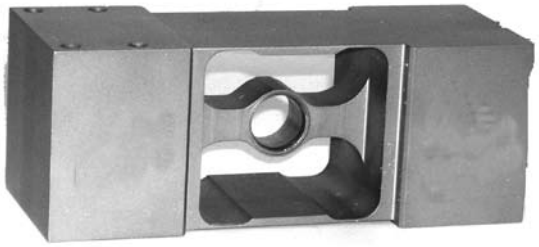
Load Rating	Part #	Price
10 kg (22.1 lb)	87027	$825.00
20 kg (44.1 lb)	87028	$695.00
50 kg (110.2 lb)	87029	$695.00
100 kg (220.5 lb)	87030	$695.00
200 kg (441.0 lb)	87031	$695.00

INTERCHANGEABLE PRODUCTS

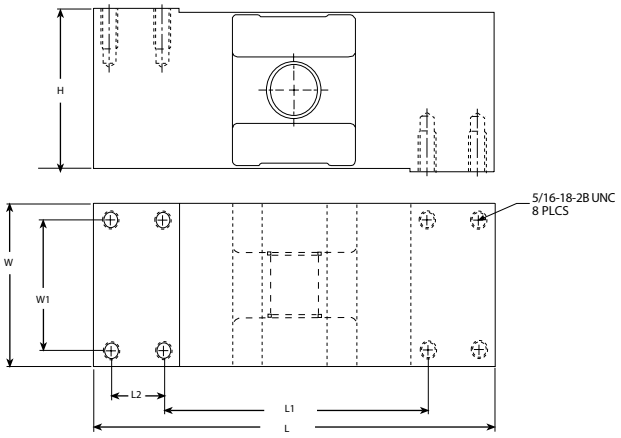
Manufacturer	Model
Flintec	PC6 (See page 221)

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RLPCBC-60 Single Point
NTEP 1:5000 Class III Single Cell, Stainless Steel, Hermetically Sealed IP69



Picture is a representation of actual product



SPECIFICATIONS:

Full Scale Output:	**2 mv/v**
Bridge Resistance:	**1000 Ohms, nominal**
Material/Finish:	**Stainless steel**
Temperature:	14˚ F to 104˚ F/ -10˚ C to 40˚ C
Safe Overload:	200% FS
Rated Excitation:	10 VDC
Total Error:	0.020% FS
Insulation Resistance:	5000 megohms
Seal Type:	Hermetically sealed, IP69
Cable Length:	10'/3 m
Cable Color Code:	Green..... + Excitation
	Black..... - Excitation
	White ..... + Signal
	Red..... - Signal
	Yellow..... Shield
	Blue ..... + Sense
	Brown ..... - Sense
Max Platform Size	24' x 24'
Warranty:	Two-year limited warranty

RATED CAPACITY	DIMENSIONS L	L1	L2	W	W1	H
kg/mm 50-1000	190.5	107	35	73.7	50	73.7
lb/inches 110.3-2205	7.50	4.21	1.38	2.90	1.97	2.90

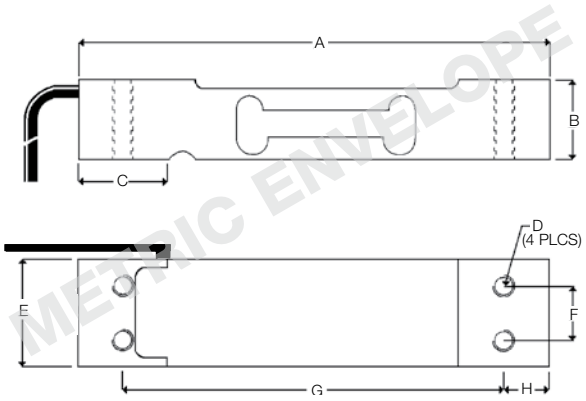
RLPCB-60 ORDER INFORMATION

Load Rating	Part #	Suggested List Price
50 kg (110.3 lb)	87022	$825.00
100 kg (220.5 lb)	87023	$825.00
250 kg (551.3 lb)	87024	$825.00
500 kg (1,102.5 lb)	87025	$825.00
1000 kg (2,205 lb)	87026	$825.00

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





METRIC ENVELOPE

Picture is a representation of actual product

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 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 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
Max Platform Size: 13.75" x 13.75"
Warranty: Two-year limited warranty

RL1521A ORDER INFORMATION

Load Rating	Part #	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

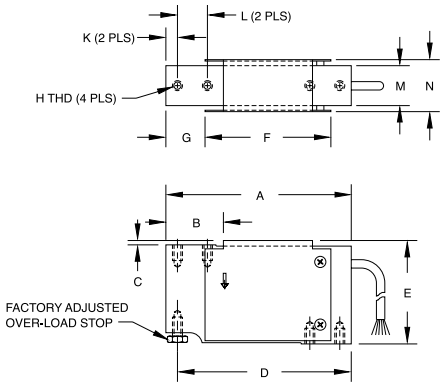
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron	(see page 196) LPS except 3kg
Vishay BLH	C2G1
Fairbanks®	4900 Series Checkweighers
NMB®	C2G1
Vishay Tedea-Huntleigh	(see page 331) 1022
Artech	61022

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





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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 (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
Max Platform Size:	15.75" x 15.75"
Warranty:	Two-year limited warranty

RL1010 ORDER INFORMATION

Load Rating	Part #	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

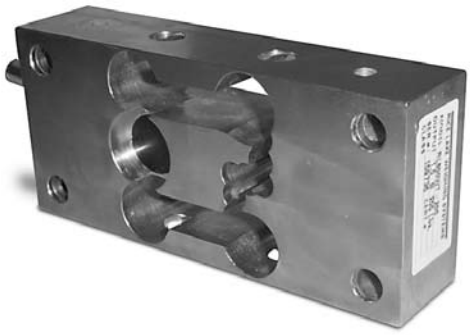
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Tedea-Huntleigh	(see page 332) 1010

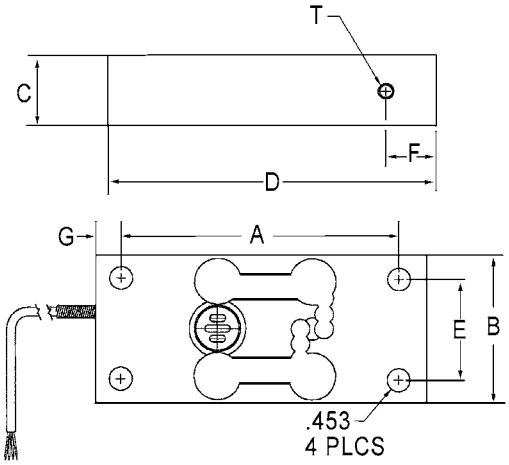
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RL800WT Single Point, Stainless Steel, IP67

Expanded Capacity Range!



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	T
lb/inches								
25-50	5.50	2.90	.735	6.50	2.00	1.00	.50	5/16-18UNC x .50
100-250	5.50	2.90	1.460	6.50	2.00	1.00	.50	5/16-18UNC x .50
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 150ºF/-18ºC to -65ºC
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: Two-year limited warranty

RL800WT ORDER INFORMATION

Load Rating	Part #	Price
25 lb (11.3 kg)	53295	$795.00
50 lb (22.7 kg)	53296	$795.00
100 lb (45.4 kg)	53297	$795.00
125 lb (56.70 kg)	84821	$795.00
200 lb (90.7 kg)	53298	$795.00
250 lb (113.4 kg)	84822	$795.00

INTERCHANGEABLE PRODUCTS

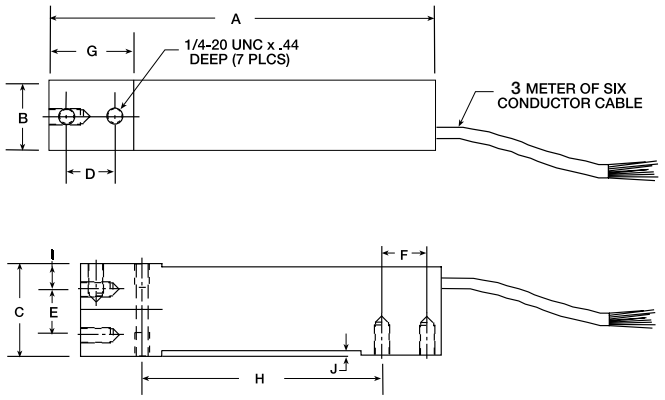
Manufacturer	Model
Weigh-Tronix®	FLS

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RLSP4 Single Point, Aluminum
NTEP 1:5000 Class III Single Cell



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I	J
kg/mm										
3 kg-100	150.3	25.4	39.9	19.1	19.1	19.1	33.8	99.6	11.4	2.4
lb/inches										
6.6-220.5	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 DC (15V maximum)
Combined Error: 0.02% Full scale
Insulation Resistance: 5000 megohms

Deflection at Capacity: 5-100 kg ≤ 0.4 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
Yellow..... Shield
Warranty: Two-year limited warranty

Max Base Size:
3 kg - 10 kg (12" x 12")
15 kg - 30 kg (18" x 18")
50 kg - 100 kg (24" x 24")

RLSP4 ORDER INFORMATION

Load Rating	Part #	Price
*3 kg (6.6 lb)	91723	$180.00
*5 kg (11.0 lb)	91724	$180.00
7 kg (15.4 lb)	91725	$180.00
10 kg (22.1 lb)	91726	$180.00
15 kg (33.1 lb)	91727	$180.00
20 kg (44.1 lb)	91728	$180.00
30 kg (66.2 lb)	91729	$180.00
50 kg (110.3 lb)	91730	$180.00
75 kg (165.3 lb)	91731	$180.00
100 kg (220.5 lb)	91732	$180.00

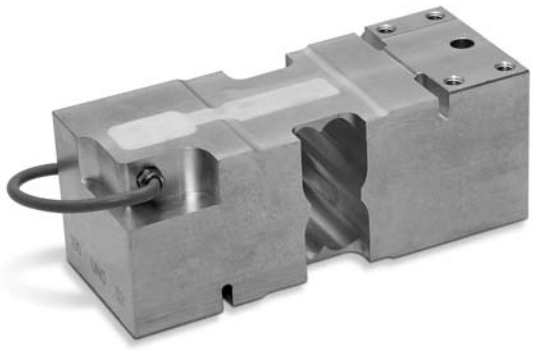
**Non NTEP*

INTERCHANGEABLE PRODUCTS

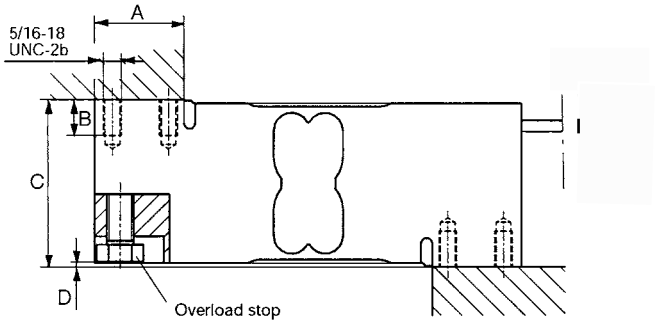
Manufacturer	Model
HBM	(see page 243) SP4
Vishay Revere Transducers	(see page 285) 642
Vishay Tedea-Huntleigh	(see page 334) 1042
Rice Lake	(see page 159) RL1042

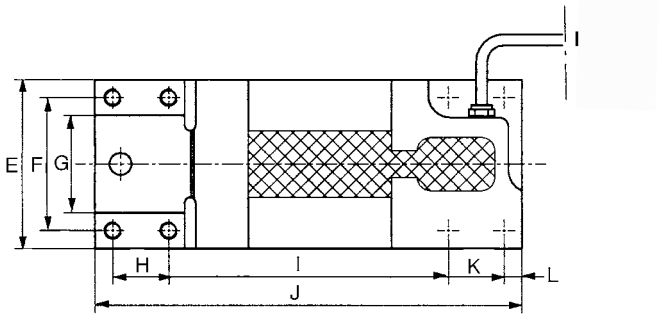
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RLPWM12 Single Point, Aluminum
IP67, NTEP 1:5000 Class III Single Cell



Picture is a representation of actual product





RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I	J	K	L
kg/mm 50-1000	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: 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:
Green..... + Excitation
Black..... – Excitation
Blue ..... + Sense
Brown .... – Sense
Red..... + Signal
White ..... – Signal
Warranty: Two-year limited warranty

Max Base Size:
30"x30"

RLPWM12 ORDER INFORMATION

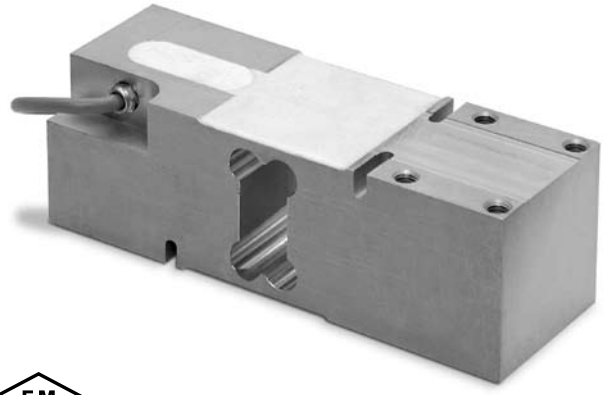
Load Rating	Part #	Price
50 kg (110.2 lb)	91674	$275.00
75 kg (165.4 lb)	91675	$275.00
100 kg (220.5 lb)	91676	$275.00
150 kg (330.7 lb)	91677	$275.00
200 kg (440.9 lb)	91678	$275.00
250 kg (551.2 lb)	91679	$275.00
300 kg (661.4 lb)	91680	$275.00
500 kg (1102.3 lb)	91681	$275.00
635 kg (1400.1 lb)	91682	$275.00
1000 kg (2205.0 lb)	91683	$275.00

INTERCHANGEABLE PRODUCTS

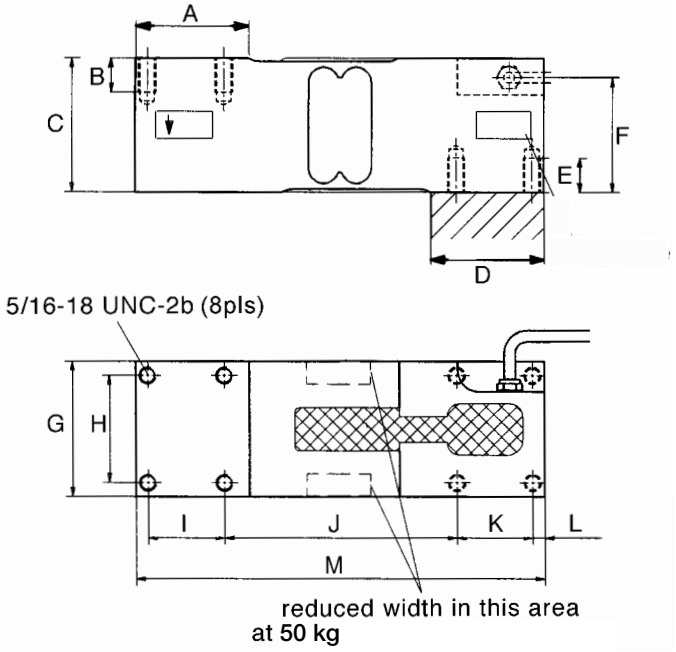
Manufacturer	Model
HBM	(see page 245) PW12
Vishay Tedea-Huntleigh	(see page 344) 1250
Rice Lake	RL 1250

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RLPWM16 Single Point, Aluminum
IP67, NTEP 1:5000 Class III Single Cell



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I	J	K	L	M
kg/mm 50-660	52	16	62.3	52	16	52.3	63	50	35	107	35	5.5	188
lb/inches 110.2-1455.5	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:	Green..... + Excitation Black..... – Excitation Blue ..... + Sense Brown .... – Sense Red..... + Signal White ..... – Signal
Warranty:	Two-year limited warranty
Max Base:	**24" x 24"**

RLPW12 ORDER INFORMATION

Load Rating	Part #	Price
*50 kg (110.2 lb)	91684	$250.00
75 kg (165.4 lb)	91686	$250.00
100 kg (220.5 lb)	91687	$250.00
150 kg (330.7 lb)	91688	$250.00
200 kg (440.9 lb)	91689	$250.00
250 kg (551.2 lb)	91690	$250.00
300 kg (661.4 lb)	91691	$250.00
500 kg (1102.3 lb)	91692	$250.00
660 kg (1455.5 lb)	91693	$250.00

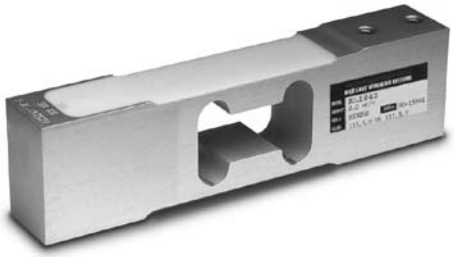
**NTEP pending*

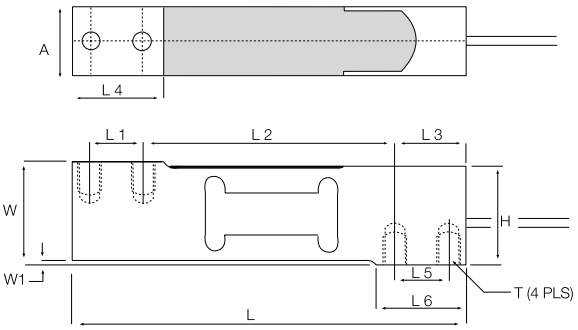
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
HBM	(see page 247) PW16
Vishay Tedea-Huntleigh	(see page 342) 1260
Rice Lake	RL 1260

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





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	H	L	L1	L2	L3	L4	L5	L6	W	W1	T
kg/mm												
1-30	20.0	39	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	39	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	1.54	5.91	.75	3.937	.984	1.339	.75	1.339	1.575	.040	1/4-20 UNC-2B
110.2-220.5	.992	1.54	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
Max Platform Size: 16' x 16'
Warranty: Two-year limited warranty

RL1042 ORDER INFORMATION

Load Rating	Part #	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

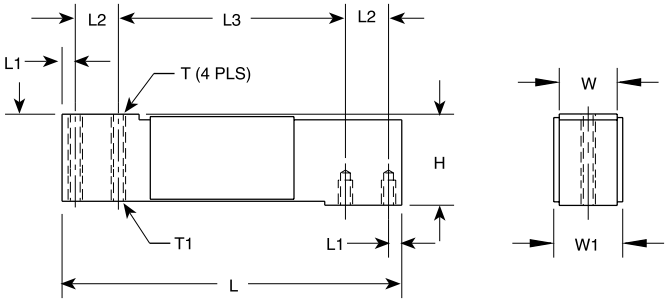
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Tedea-Huntleigh	(see page 334) 1042
Vishay Revere Transducers	(see page 285) 642
HBM	(see page 243) SP4
Flintec	PC 42

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





Picture is a representation of actual product

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
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 loading point, full scale
Rated Excitation: 10V DC (15V maximum)
Total Error: .02% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 3-100 kg ≤ .4mm/.015"

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

RL1040 ORDER INFORMATION

Load Rating	Part #	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

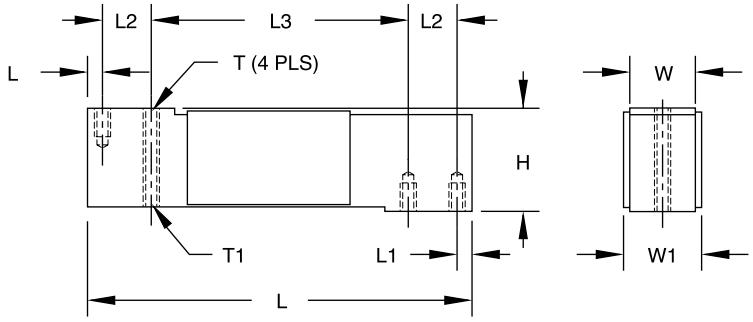
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Celtron	(see page 197) LOC
Vishay Tedea-Huntleigh	(see page 336) 1040

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RL1140 Potted Single Point, Stainless Steel





FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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 (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
Max Platform Size: 16" x 16"
Warranty: Two-year limited warranty

RL1140 ORDER INFORMATION

Load Rating	Part #	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 338) 1140

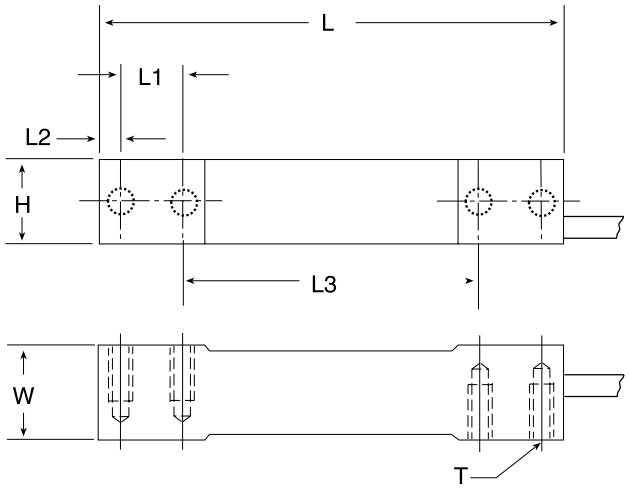
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RICE LAKE
WEIGHING SYSTEMS

RL1380 Single Point, Stainless Steel
NTEP 1:3000 Class III Single Cell, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS 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
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 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
Max Platform Size: 15.75" x 15.75"
Warranty: Two-year limited warranty

RL1380 ORDER INFORMATION

Load Rating	Part #	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

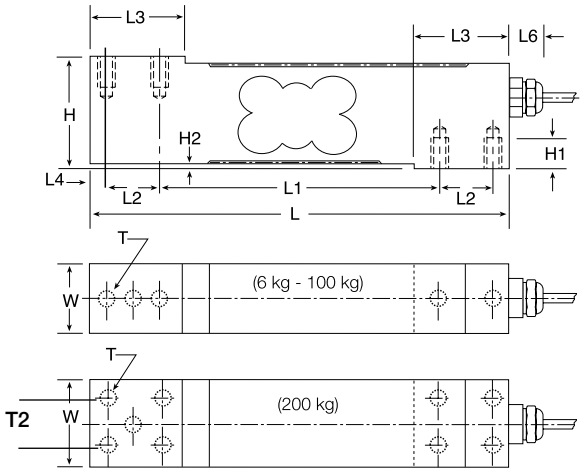
Manufacturer	Model
HBM	(see page 249) PWS

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RL1385 Single-Point, Stainless Steel
NTEP 1:3000 Class III Single Cell, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS H	H1	H2	L	L1	L2	L3	L4	L5	L6	W	T	T2
kg/mm													
10-100	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
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
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
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

SPECIFICATIONS:

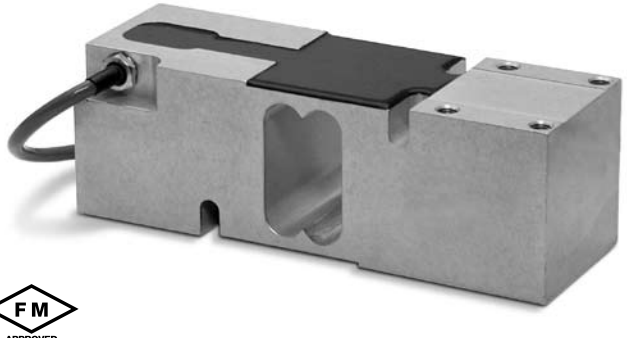
Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload: 200% Full scale
Rated Excitation: 5V DC (15V maximum)
Combined Error: 0.02% Full scale
Insulation Resistance: 5000 megohms
Seal Type: Environmentally-sealed, IP67
Cable Length: 3.1 m/10'
Cable Color Code: Green..... + Excitation
Black..... – Excitation
White ..... + Signal
Red..... – Signal
Yellow..... Shield
Max Platform Size: 18' x 18'
Warranty: Two-year limited warranty

RL1385 ORDER INFORMATION

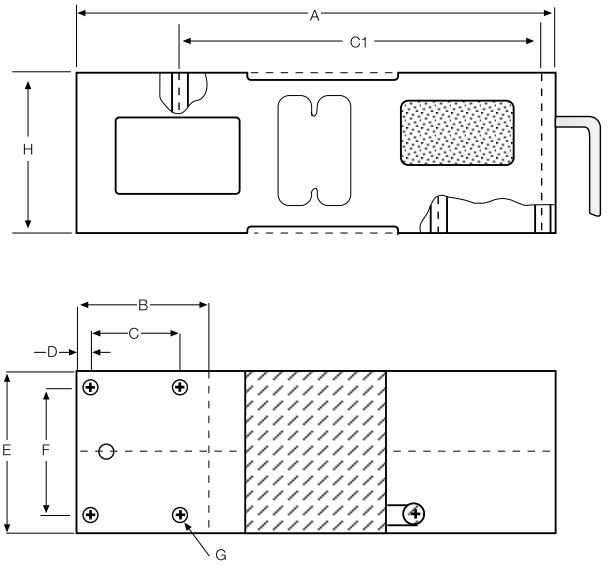
Load Rating	Part #	Price
10 kg (22.0 lb)	41405	$295.00
15 kg (33.1 lb)	41233	$295.00
30 kg (66.1 lb)	41234	$295.00
50 kg (110.2 lb)	41235	$295.00
75 kg (165.4 lb)	41236	$295.00
100 kg (220.5 lb)	41237	$295.00
200 kg (441.0 lb)	41406	$440.00

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RL1260 Single Point, Aluminum
NTEP 1:5000 Class III Single Cell



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H
kg/mm 50-635	188	52	35	5.5	63.5	50	5/16-18 UNC-2B	62.3
lb/inches 110.2-1400.2	7.40	2.05	1.38	.22	2.49	1.97	5/16-18 UNC-2B	2.45

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Anodized aluminum
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
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
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
Max Platform Size: 24' x 24'
Warranty: Two-year limited warranty

RL1260 ORDER INFORMATION

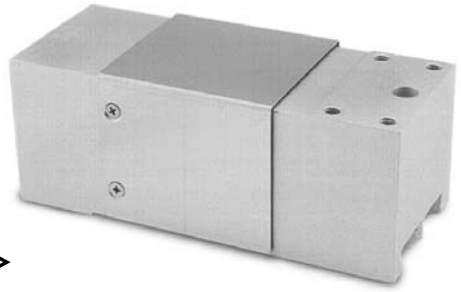
Load Rating	Part #	Price
50 kg (110.2 lb)	41020	$310.00
75 kg (165.4 lb)	41021	$310.00
100 kg (220.5 lb)	41022	$310.00
200 kg (440.9 lb)	41023	$310.00
250 kg (551.2 lb)	41024	$310.00
300 kg (661.4 lb)	41025	$310.00
500 kg (1102.3 lb)	41026	$310.00
635 kg (1400 lb)	41027	$310.00

INTERCHANGEABLE PRODUCTS

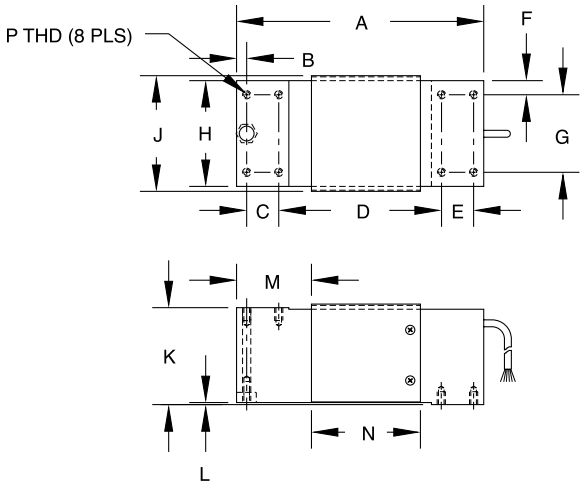
Manufacturer	Model
Vishay Tedea-Huntleigh	(see page 342) 1260
HBM	(see page 247) PW16
Rice Lake	RLPWM16

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RL1250 Potted Single Point, Aluminum
NTEP 1:5000 Class III Single Cell



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	J	K	L	M	N	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
Max Platform Size: 24' x 24'
Warranty: Two-year limited warranty

RL1250 ORDER INFORMATION

Load Rating	Part #	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
Vishay Revere Transducers	(see page 286) 652
Vishay Tedea-Huntleigh	(see page 344) 1250
Vishay Celtron	(see page 197) LOC
Flintec	(see page 218) PCB*
HBM	(see page 245) PW12
Rice Lake	RLPWM12

** Stainless steel, Hermetically-sealed*

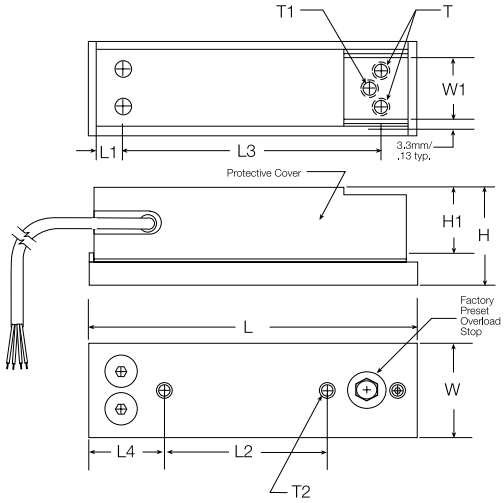
Shim plate-part number 22264

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RLMK21 Single Point, Stainless Steel



Picture is a representation of actual product



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

RLMK21 ORDER INFORMATION

Load Rating	Part #	Price
4.5 kg (9.9 lb)	33296	$595.00
7.5 kg (16.5 lb)	33297	$595.00
18 kg (39.7 lb)	33298	$595.00
35 kg (77.2 lb)	33299	$595.00
50 kg (110.3 lb)	47951	$595.00

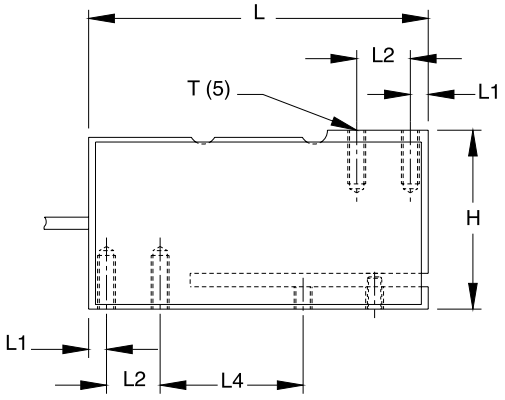
INTERCHANGEABLE PRODUCTS

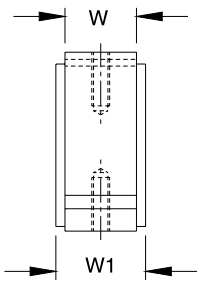
Manufacturer	Model
NCI/Weigh-Tronix®	3270 Series Checkweigher

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RLMK4 Single Point, Stainless Steel







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Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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: Two-year limited warranty
* Cell is wired for negative reading

RLMK4 ORDER INFORMATION

Load Rating	Part #	Price
Stainless steel		
10 lb (4.5 kg)	25375	$595.00
15 lb (6.8 kg)	25376	$595.00
25 lb (11.3 kg)	25377	$595.00
30 lb (13.6 kg)	25378	$595.00
50 lb (22.7 kg)	25379	$595.00
100 lb (45.3 kg)	25380	$595.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
NCI/Weigh-Tronix®	Mark IV
Artech	SS61010

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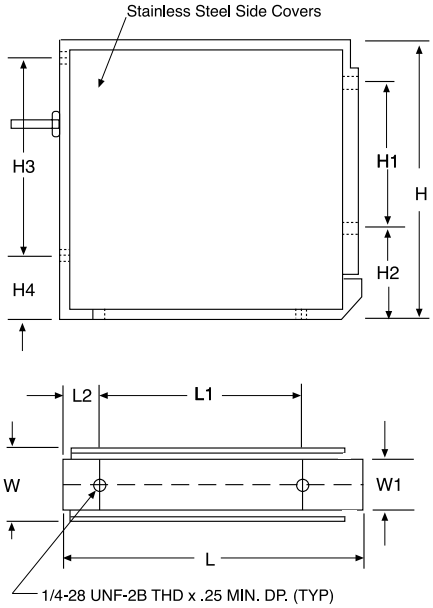
RICE LAKE
WEIGHING SYSTEMS

RLMK1 Single Point, Alloy Steel



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Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS 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 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:	Two-year limited warranty

RLMK1 ORDER INFORMATION

Load Rating	Part #	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

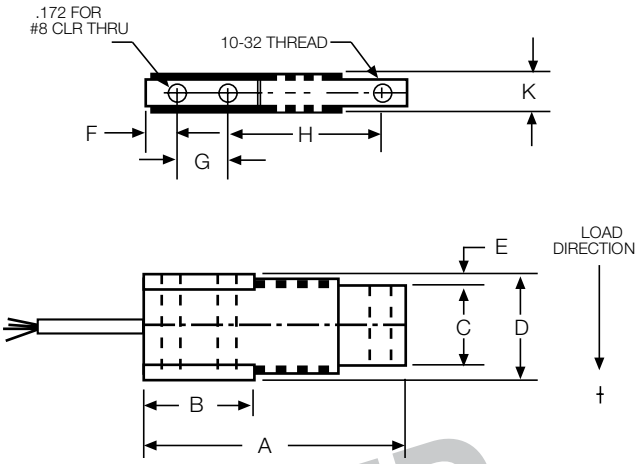
Manufacturer	Model
NCI/Weigh-Tronix®	Mark I

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RLS3010 Load Sensor, Aluminum/Stainless Steel



Picture is a representation of actual product



DISCONTINUED

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#

Bridge Resistance: R in 350 ohms, nominal
R out 400 ohms, nominal

Material/Finish: 2 - 10 lb – Aluminum
25 - 250 lb – Stainless steel

Temperature: Compensated range
0°F to 150°F/18°C to 65°C

Safe Overload: 150% Full scale

Rated Excitation: 7-15V DC

Nonlinearity: 0.03% Full scale

Hysteresis: 0.05% Full scale

Seal Type: Environmentally-sealed

Cable Length: 10"/3.1 m

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

Warranty: One-year limited warranty

RLS3010 ORDER INFORMATION

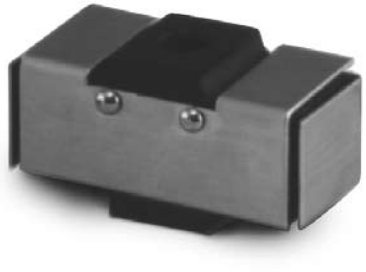
Load Rating	Part #	Price
2 lb (0.9 kg)	42156	$395.00
5 lb (2.3 kg)	42157	$395.00
10 lb (4.5 kg)	42158	$395.00
25 lb (11.3 kg)	42159	$395.00
50 lb (22.6 kg)	42160	$395.00
100 lb (45.3 kg)	42161	$395.00
150 lb (68.0 kg)	42162	$395.00
250 lb (113.4 kg)	42163	$395.00

INTERCHANGEABLE PRODUCTS

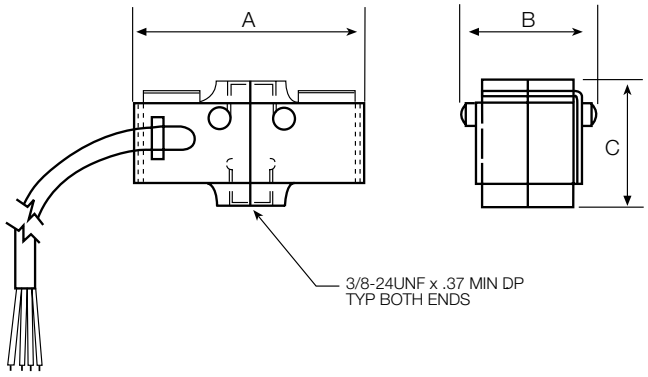
Manufacturer	Model
Interface®	MB
Vishay Sensortronics	65007
Vishay Celtron	(see page 188) MBB

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RLS3030 Low-Profile Load Sensor, Aluminum
Tension and Compression



Picture is a representation of actual product



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**
Bridge Resistance:	**350 ohms, nominal**
Material/Finish:	**Black anodized aluminum**
Temperature:	Compensated range 0°F to 150°F/-18°C to 65°C
Safe Overload:	150% Full scale
Rated Excitation:	1-10V 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:	One-year limited warranty

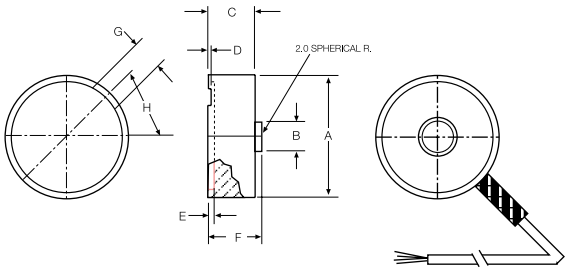
RLS3030 ORDER INFORMATION

Load Rating	Part #	Price
2 lb (0.9 kg)	42545	$425.00
10 lb (4.5 kg)	42546	$425.00
25 lb (11.3 kg)	42547	$425.00
50 lb (22.6 kg)	42548	$425.00
100 lb (45.3 kg)	42549	$425.00
150 lb (68.0 kg)	42550	$425.00
200 lb (90.7 kg)	42551	$425.00
250 lb (113.4 kg)	42552	$425.00
300 lb (136.0 kg)	42553	$425.00

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RLS1000 Button Sensor, Stainless Steel





FM APPROVED

RLS1000 only

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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°

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:	10'/.45 m
Cable Color Code:	Red.....+ Excitation Black.....– Excitation Green.....+ Signal White .....– Signal
Warranty:	One-year limited warranty

RLS1000 ORDER INFORMATION

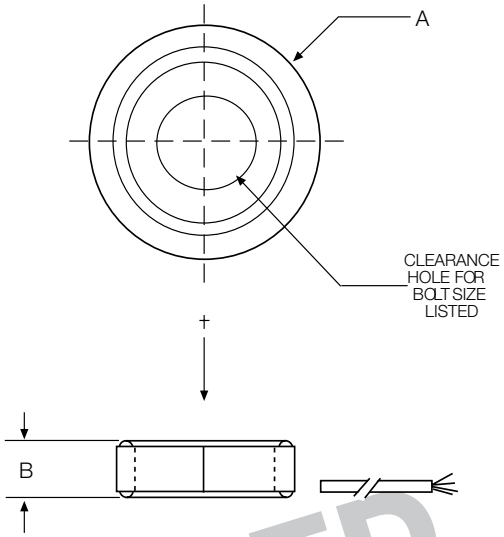
Load Rating	Part #	Price
500 lb (226.8 kg)	42150	$495.00
1000 lb (453.6 kg)	42151	$495.00
2000 lb (907.2 kg)	42152	$495.00
3000 lb (1360.8 kg)	42153	$495.00
4000 lb (1814.4 kg)	42154	$495.00
5000 lb (2268.0 kg)	42155	$495.00

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RLS7000 Washer Force Sensor, Stainless Steel



Picture is a representation of actual product



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

DISCONTINUED

SPECIFICATIONS:

Full Scale Output: 1 mV/V nominal
Bridge Resistance: 1000 ohms
Material/Finish: Stainless steel
Temperature: Compensated range
0°F to 150°F/-18°C to 65°C
Safe Overload: 250% Full scale
Rated Excitation: 10V DC
Nonlinearity: 0.10% Full scale
Hysteresis: 0.10% Full scale
Seal Type: Environmentally-sealed
Cable Length: 18"/.45 m
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: One-year limited warranty

RLS7000 ORDER INFORMATION

Bolt Size	Part #	Price
#10	42295	$495.00
1/4	42296	$495.00
5/16	42297	$495.00
3/8	42298	$495.00
7/16	42299	$495.00
1/2	42300	$495.00
9/16	42301	$495.00
5/8	42302	$495.00
3/4	42303	$495.00
7/8	42304	$495.00
1.0	42305	$495.00

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Compression Canisters



C2P1, Alloy Steel ..... Page 174

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 175

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 176

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 177

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.

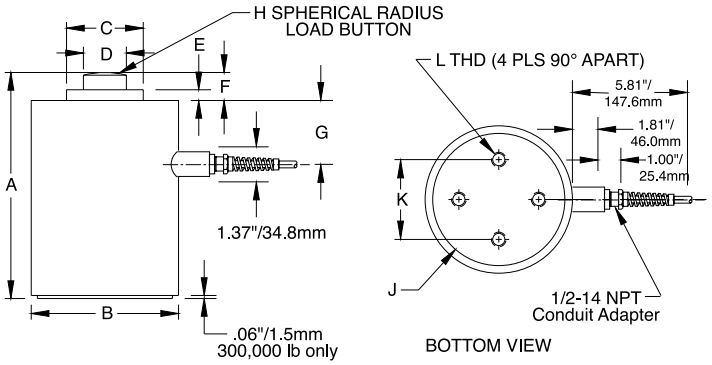
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VISHAY BLH

C2P1 Compression Canister, Alloy Steel
NTEP 1:4500 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	J	K	L
lb/inches											
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	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"/0.178 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: One-year limited warranty

C2P1 ORDER INFORMATION

Load Rating	Part #	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 #	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

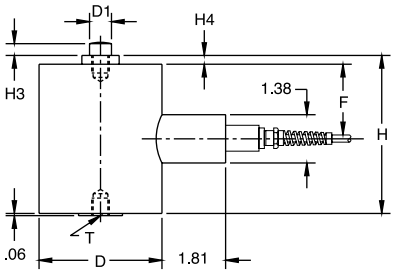
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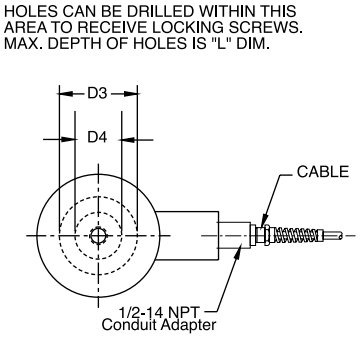
C3P1 Compression Canister, Alloy Steel, IP67



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Picture is a representation of actual product





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: One-year limited warranty

C3P1 ORDER INFORMATION

Load Rating		Part #	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

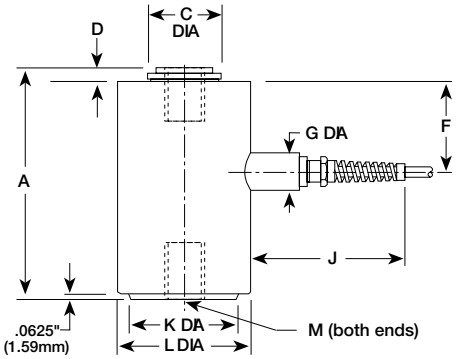
INTERCHANGEABLE PRODUCTS

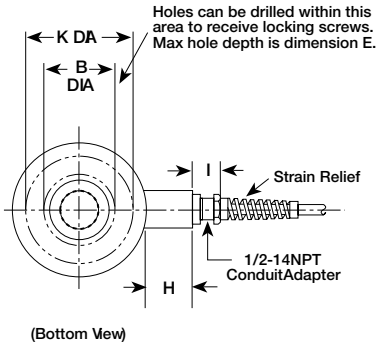
Manufacturer	Model
Fairbanks®	3-38054-X
Mettler-Toledo®	1004400A, KN713700
Mettler-Toledo®	KB200570, 10049100A

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T2P1 Tension Canister, Alloy Steel







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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 #	Price
20,000 lb (9071.9 kg)	17660	$2,850.00
50,000 lb (22,679.6 kg)	17661	$2,950.00

INTERCHANGEABLE PRODUCTS

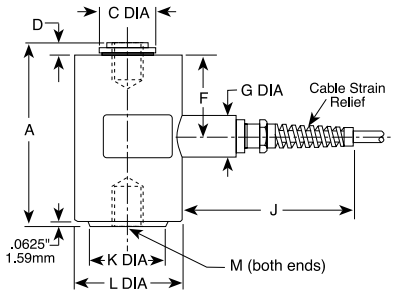
Manufacturer	Model
Fairbanks®	657090, 657091
Streeter Richardson	2011711, 2011712

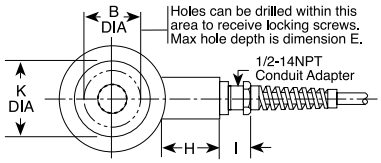
BLH, Inc.

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T3P1 Tension Canister, Alloy Steel







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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 12.7DP
2268.0-4535.9	150.6	44.4	47.5	9.7	12.7	67.6	35.1	46.0	25.4	147.6	63.5	88.9	1-14 UNS-2B x 31.8DP

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
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 #	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

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S-Beams



STC, Low-Capacity, Alloy Steel ..... Page 182

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 183

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 184

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.



STC HSS, Stainless Steel, Welded-seal ..... Page 185

The Vishay Celtron STC HSS 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 STC HSS provides a mid-range solution where none previously existed. Available in capacities ranging from 500 lb to 10,000 lb, the HTC HSS 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 186

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 187

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.

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Single-Ended Beams (Continued)

MBB, Alloy Steel ..... Page 188



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.

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SEB, Alloy Steel ..... Page 189



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.

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OIML

HBB, Stainless Steel ..... Page 190



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 191



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.

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NTEP

DSR, Alloy Steel ..... Page 192



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.

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DSR-HSS, Stainless Steel ..... Page 193



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.

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Pending

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Double-Ended Beams (Continued)

CLB, Alloy Steel ..... Page 194



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 56,699.1kg), with all units being provided with a 35'/10.6 m cable.

DLB, Alloy Steel ..... Page 195



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 196

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 197

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' and 3.1 m/10 ft of load cell cable.



LOC, Aluminum, Heavy Capacity ..... Page 198

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.

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Single Points (Continued)

HOC, Aluminum ..... Page 199



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.

FM APPROVED

Compression Canisters

LCD Compression Disk, Alloy Steel ..... Page 200



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.

FM APPROVED

PSD, Compression Disk, Alloy Steel ..... Page 201



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.

OIML

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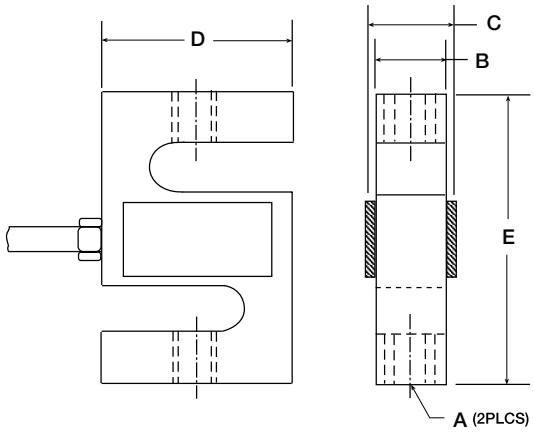
VISHAY Celtron

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



FM APPROVED

Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E
lb/inches 50-200	1/4-28 UNF	0.50	0.75	2.00	2.50
kg/mm 22.7-90.7	1/4-28 UNF	12.7	19.1	50.8	63.5

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 DC (15V maximum)
Nonlinearity: 0.03% Full scale
Hysteresis: 0.02% Full scale
Insulation Resistance: 2000 megohms
Seal Type: Environmentally sealed, IP67
Cable Length: 20'/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 #	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 104)	RL20000
Vishay Sensortronics ..... (see page 298)	60063

WEIGH MODULE AVAILABLE

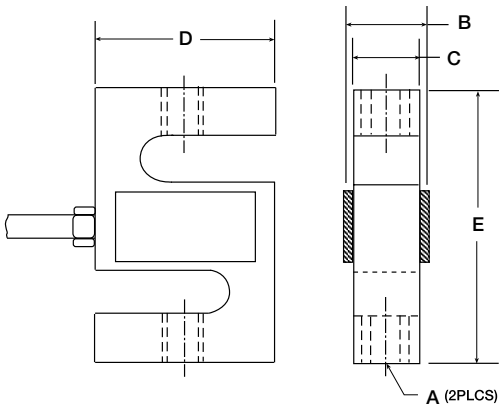
Model	Page #
ITCM - Isolated Tension Cell Mount	357

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STC S-Beam, Alloy Steel
NTEP 1:10,000 Class IIIL Single Cell, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E
lb/inches					
250	3/8-24 UNF	0.75	0.50	2.00	3.00
500-1500	1/2-20 UNF	1.00	0.75	2.00	3.00
2000-3000	1/2-20 UNF	1.25	1.00	2.00	3.00
5000	3/4-16 UNF	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF	1.25	1.00	3.50	4.25
15,000	1-14 UNS	1.50	1.25	3.95	5.50
20,000	1 1/4-12 UNF	2.19	1.94	4.94	7.00
40,000	1 1/2-12 UNF	2.75	2.50	6.00	10.00
kg/mm					
113.4	3/8-24 UNF	19.1	12.7	50.8	76.2
226.8-907.2	1/2-20 UNF	25.4	19.1	50.8	76.2
1134.0-1360.8	3/4-16 UNF	31.8	25.4	50.8	76.2
2268.0	1/2-20 UNF	31.8	25.4	76.2	107.9
4535.9	1/2-20 UNF	31.8	25.4	88.9	107.9
6803.9	1-14 UNS	38.1	31.8	100.3	139.7
9071.9	1 1/4-12 UNF	55.7	49.3	125.5	177.8
18,144.0	1 1/2-12UNF	69.9	63.5	152.4	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 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 #	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	$265.00
5000 lb	(2268.0 kg)	30076	$375.00
10,000 lb	(4535.9 kg)	30077	$375.00
15,000 lb	(6803.9 kg)	30078	$475.00
20,000 lb	(9071.9 kg)	30079	$775.00
*40,000 lb	(18,144.0 kg)	46674	$955.00

** Non-NTEP*

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 107)	RL20001
Vishay Sensortronics .....(see page 296)	60001

WEIGH MODULE AVAILABLE

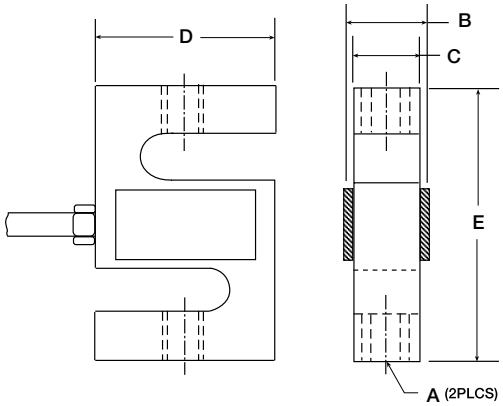
Model	Page #
ITCM - Isolated Tension Cell Mount	357

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VISHAY Celtron

STC SS S-Beam, Stainless Steel, IP67





FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E
lb/inches					
250	3/8-24 UNF	0.75	0.50	2.00	3.00
500-1500	1/2-20 UNF	1.00	0.75	2.00	3.00
2000-3000	1/2-20 UNF	1.25	1.00	2.00	3.00
5000	3/4-16 UNF	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF	1.25	1.00	3.50	4.25
kg/mm					
113.4	3/8-24 UNF	19.1	12.7	50.8	76.2
226.8-907.2	1/2-20 UNF	25.4	19.1	50.8	76.2
1134.0-1360.8	1/2-20 UNF	31.8	25.4	50.8	76.2
2268.0	3/4-16 UNF	31.8	25.4	76.2	107.9
4535.9	3/4-16 UNF	31.8	25.4	88.9	139.7

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: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Nonlinearity: 0.03% Full scale
Hysteresis: 0.02% Full scale
Insulation Resistance: 2000 megohms
Seal Type: Environmentallysealed, IP67
Cable Length: 20'/6.1 m
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: 1-year limited warranty

STC SS ORDER INFORMATION

Load Rating	Part #	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

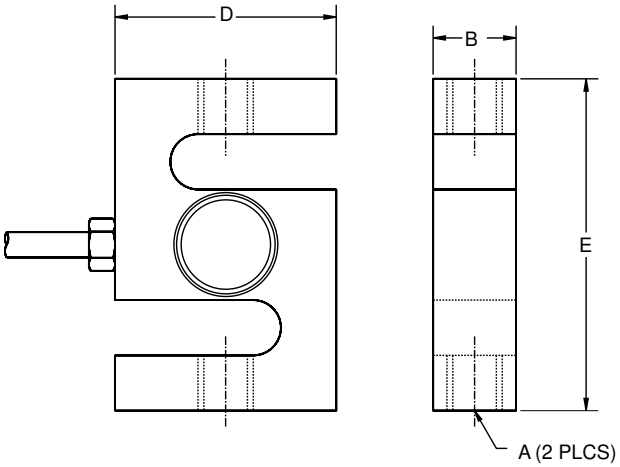
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	(see page 297) 60050

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STC HSS S-Beam, Stainless Steel
Welded-seal, IP67





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E
lb/inches					
500-3000	1/2-20 UNF	1.00	N/A	2.00	2.97
5000-10,000	3/4-16 UNF	1.00	N/A	3.00	4.25
kg/mm					
226.8-1360.8	1/2-20 UNF	25.4	N/A	50.8	75.4
2268.0-4536.0	3/4-16 UNF	25.4	N/A	76.2	102.9

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 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

STC HSS ORDER INFORMATION

Load Rating		Part #	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

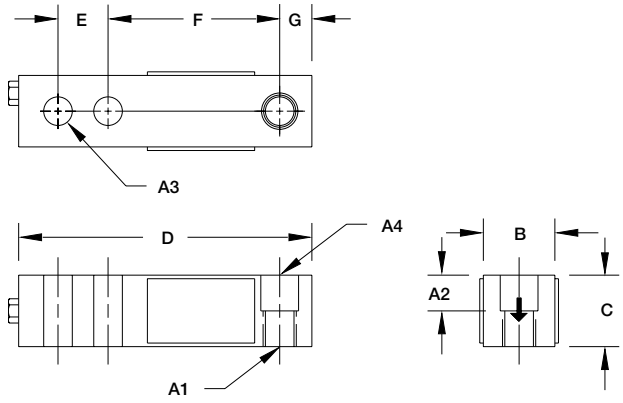
WEIGH MODULE AVAILABLE

Model	Page #
ITCM - Isolated Tension Cell Mount	357

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





Picture is a representation of actual product

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 DC (15V maximum)
Combined Error: 0.02% Full scale
Insulation Resistance: 2000 megohms
Deflection at Capacity: 500-1000 lb = .013"/.3.1 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 #	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 115)	RL35023
Vishay Sensortronics .....(see page 299)	65023

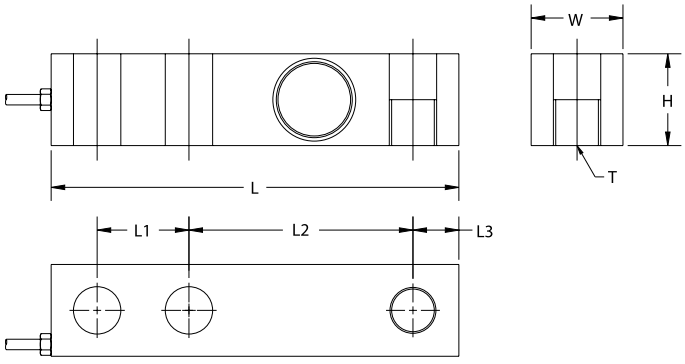
WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	32
RL1800 Series	44

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SQB-HSS Single-Ended Shear Beam, Stainless Steel
Welded-Seal, IP67, NTEP 1:5000 Class III Multiple Cell





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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 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 #	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

SE refers to small envelope

WEIGH MODULE AVAILABLE

Model	Page #
RL1800 Series	44

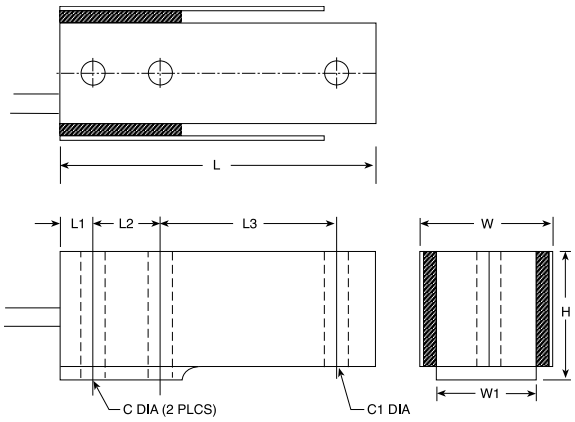
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MBB Single-Ended Beam, Alloy Steel



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Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS C	C1	W	W1	H	L	L1	L2	L3
lb/inches									
50-150	0.172	0.172	0.75	0.50	0.98	2.38	0.25	0.50	1.33
250	0.172	0.172	1.00	0.75	0.98	2.38	0.25	0.50	1.33
kg/mm									
22.7-68.0	4.37	4.37	19.1	12.7	24.8	60.5	6.4	12.7	33.7
113.4	4.37	4.37	25.4	19.1	24.8	60.5	6.4	12.7	33.7

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: 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: 5/1.5 m
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: 1-year limited warranty

MBB ORDER INFORMATION

Load Rating	Part #	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

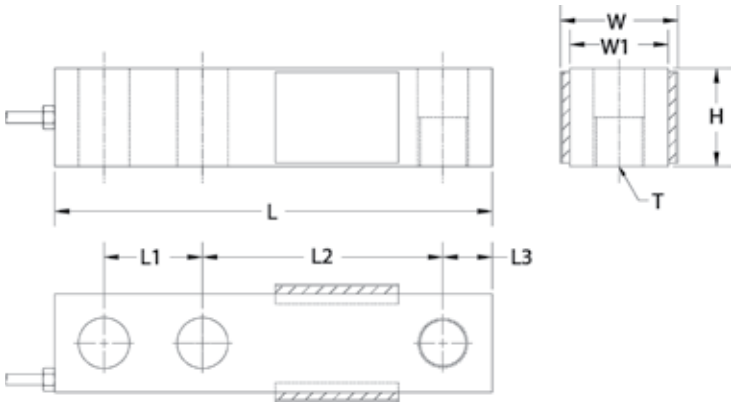
Manufacturer	Model
Vishay Sensortronics	65007
Interface®	MB
Vishay Revere Transducers	CBU

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SEB Single-Ended Beam, Alloy Steel, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS L	L1	L2	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	M12 x 1.75
kg-t/mm 500 kg-2.5 t	130.0	25.4	76.2	12.7	38.1	31.75	31.75	13.4	M12 x 1.75

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: 0.025%
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: 1-year limited warranty

SEB ORDER INFORMATION

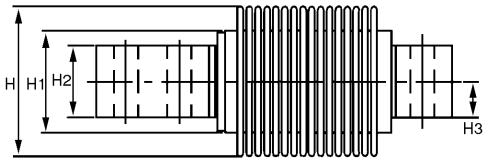
Load Rating	Part #	Price
500 kg	69315	$215.00
1 t	69316	$215.00
1.5 t	69317	$215.00
2 t	69318	$215.00
2.5 t	69319	$215.00

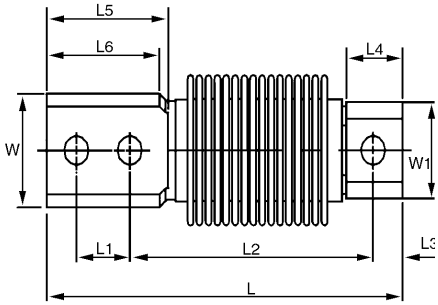
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HBB Single-Ended Beam, Stainless Steel
Welded-seal, IP67



Picture is a representation of actual product





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
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 DC (15V maximum)
Combined Error: 0.03%
Insulation Resistance: 5000 megohms

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

HBB ORDER INFORMATION

Load Rating	Part #	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

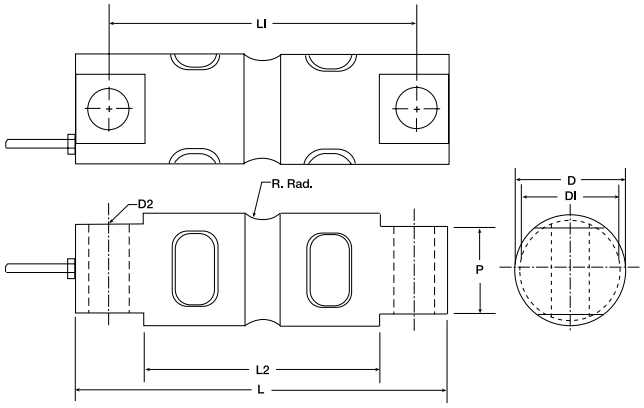
Manufacturer	Model
Rice Lake Weighing Systems	(see page 130) RLHBB
HBM	(see page 239) Z6
Vishay Revere Transducers	(see page 270) SHB
Vishay Tedea-Huntleigh	(see page 330) 355

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



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS L	L1	L2	D	D1	D2	P	R
lb/inches								
5000-10,000	8.12	6.88	5.24	1.70	1.48	0.66	1.12	0.50
20,000	8.12	6.88	5.24	1.95	1.49	0.66	1.12	0.50
30,000-60,000	10.25	8.50	6.49	3.00	2.73	1.06	2.37	1.00
100,000	11.25	9.50	7.49	3.50	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
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 (15V maximum)
Combined Error: 0.02% Full scale
Non-Repeatability: 0.02% Full scale
Insulation Resistance: 5000 megohms
Seal Type: Environmentally sealed, IP67
Cable Length: 30'/9.1 m
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: 1-year limited warranty

CSB ORDER INFORMATION

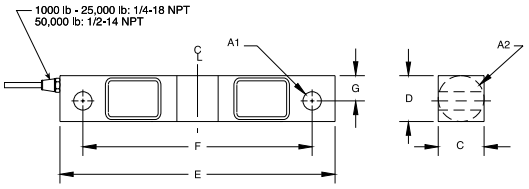
Load Rating		Part #	Price
5000 lb	(2268.0 kg)	42120	$635.00
10,000 lb	(4536.0 kg)	42121	$635.00
20,000 lb	(9072.0 kg)	42122	$635.00
30,000 lb	(13,608.0 kg	42123	$735.00
40,000 lb	(18,144.0 kg)	42124	$735.00
50,000 lb	(22,679.6 kg)	42125	$735.00
60,000 lb	(27,216.0 kg)	42126	$735.00
100,000 lb	(45,360.0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

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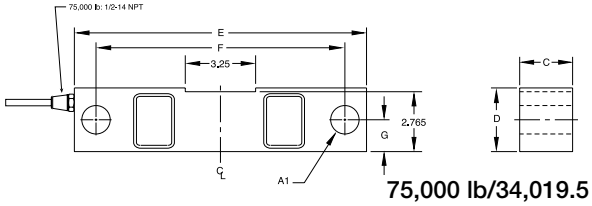
VISHAY Celtron

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

FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A1	A2	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 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"/1.3.1 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 #	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 140) RL75016
Vishay Sensortronics	(see page 312) 65016
Vishay Revere Transducers	5203

WEIGH MODULE AVAILABLE

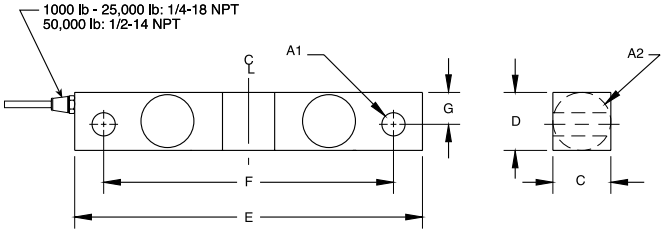
Model	Page #
RL1600 Series	70 and 72

Celtron

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DSR-HSS Double-Ended Shear Beam
Stainless Steel, Welded-seal, IP67





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

FM APPROVED
Pending

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A1	A2	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
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

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 (25V maximum)
Combined Error: 0.07% 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"/1.3.1 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 #	Price
1000 lb	(453.6 kg)	76544	$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	$1,295.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 139) RL75016 SS
Vishay Sensortronics	(see page 313)) 65016W
Vishay Revere Transducers	9203

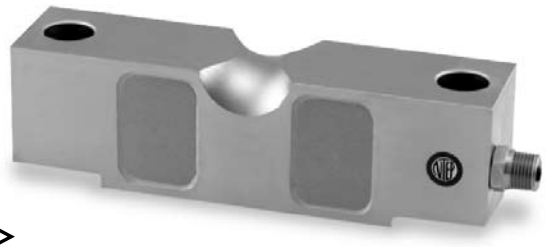
WEIGH MODULE AVAILABLE

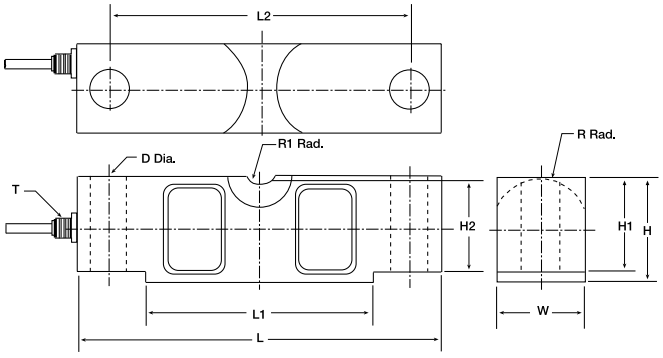
Model	Page #
RL1600 Series	70 and 72

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VISHAY Celtron

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





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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 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 #	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 141)	RL75058
Vishay Sensortronics ..... (see page 329)	65058

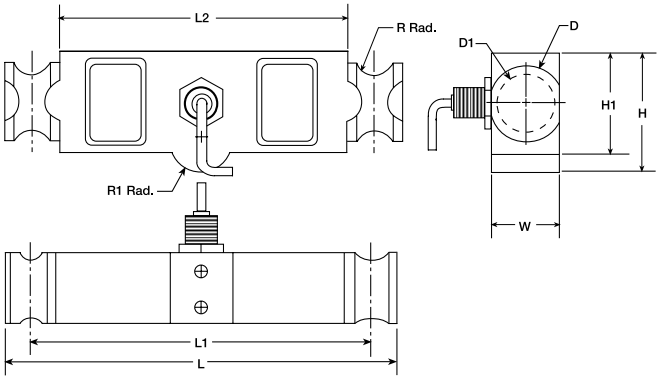
WEIGH MODULE AVAILABLE

Model	Page #
MVS	76
TSA	78

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





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS L	L1	L2	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: 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: 0.025% 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 #	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 145)	RL75040
Vishay Sensortronics ..... (see page 318)	65040A
Thurman	TSC 840

WEIGH MODULE AVAILABLE

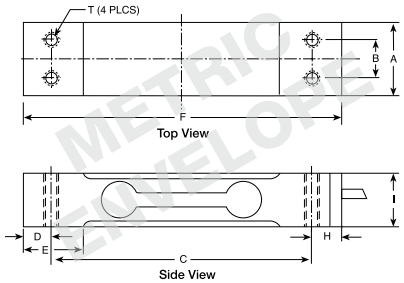
Model	Page #
Translink	84

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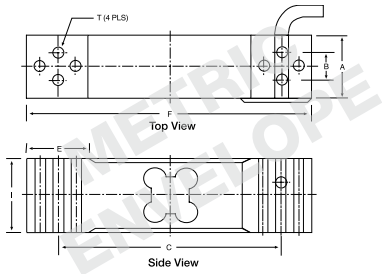
VISHAY Celtron

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





3 kg - 35 kg



60 kg - 100 kg

Picture is a representation of actual product

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 DC (15V maximum)
Combined Error: 0.25% Full scale
Non-Repeatability: 0.02%
Insulation Resistance: 2000 megohms
Seal Type: Environmentally sealed
Cable Length: 16.5" except 60kg (14") and 100kg (6'6")
Cable Color Code: Red..... + Excitation
Blue ..... – Excitation
Green..... + Signal
White ..... – Signal
Max Platform Size: 13.75" x 13.75"
Warranty: 1-year limited warranty

LPS ORDER INFORMATION

Load Rating	Part #	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

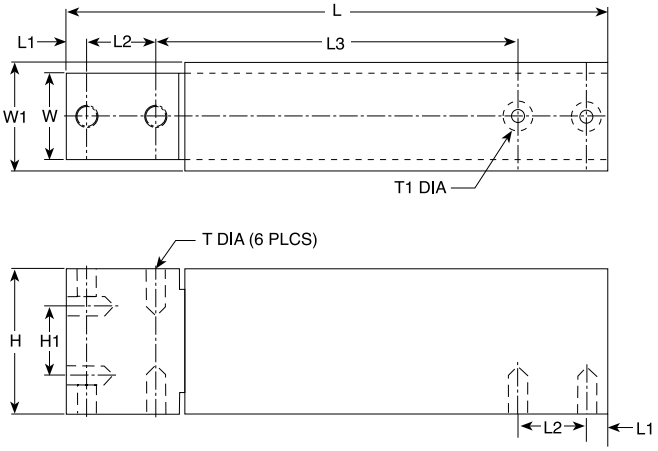
Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 153)	RL1521A
Vishay BLH	C2G1
NMB®	C2G1
Vishay Tedea-Huntleigh ..... (see page 331)	1022

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



Picture is a representation of actual product



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 DC (15V maximum)
Combined Error: 0.25% Full scale
Non-repeatability: 0.02%
Insulation Resistance: 2000 megohms
Seal Type: Environmentally sealed
Cable Length: 3 m/10'
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Max Platform Size: 16" x 16"
Warranty: 1-year limited warranty

LOC ORDER INFORMATION

Load Rating	Part #	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

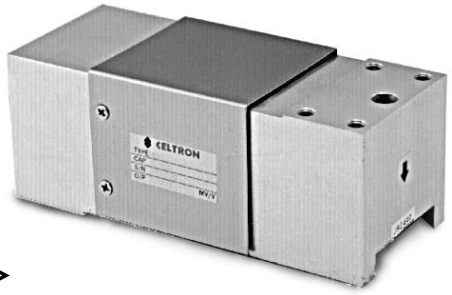
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 160)	RL1040
Vishay Tedea-Huntleigh .....(see page 336)	1040

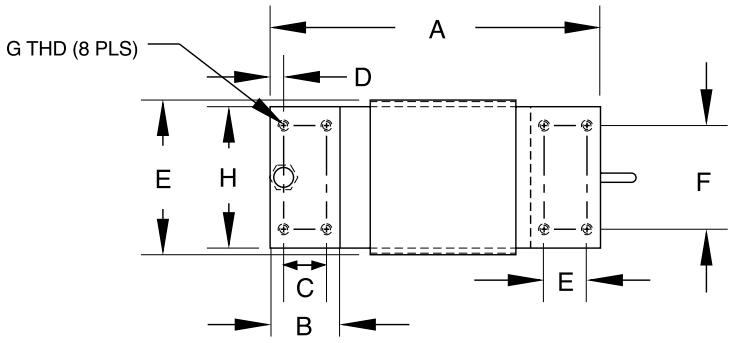
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VISHAY Celtron

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



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS 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 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: 3 m/10'
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Max Platform Size: 24" x 24"
Warranty: 1-year limited warranty

LOC ORDER INFORMATION

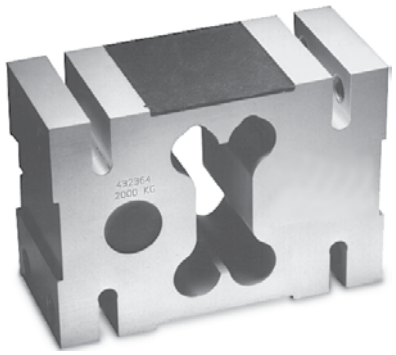
Load Rating	Part #	Price
100 kg (220.5 lb)	39797	$295.00
150 kg (330.7 lb)	39796	$295.00
250 kg (551.2 lb)	39795	$295.00
300 kg (661.4 lb)	39794	$295.00
500 kg (1102.3 lb)	39793	$295.00

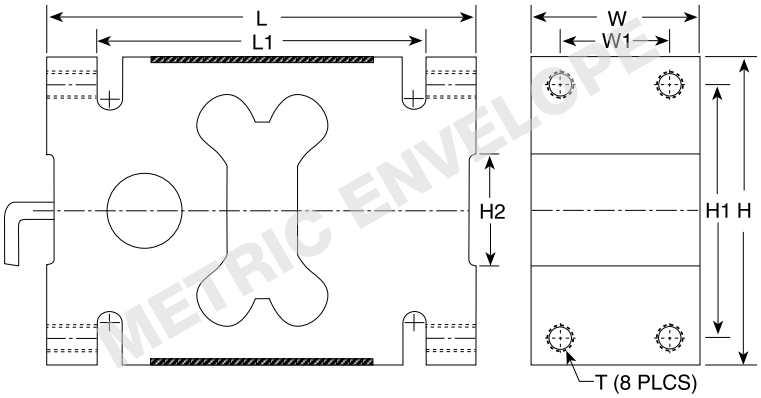
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems (see page 165)	RL1250
Vishay Tedea-Huntleigh (see page 344)	1250
Vishay Revere Transducers (see page 286)	652
Rice Lake	RLPWM12
Vishay/HBM	PW12

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HOC Single Point, Aluminum





METRIC ENVELOPE

FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS H	H1	H2	L	L1	T	W	W1
kg/mm 750-2000	125	95.0	45.0	176.0	134.5	M16X2-6H	76.0	46.0
lb/inches 1653.8-4409.2	4.92	3.74	1.77	6.93	5.30	M16X2-6H	2.99	1.81

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
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Total Error: 0.02% Full scale
Insulation Resistance: 5000 megohms

Seal Type: Environmentally sealed, potted
Cable Length: 6 m/19.7'
Cable Color Code:
Red ..... + Excitation
Black..... – Excitation
Blue ..... + Sense
Brown .... – Sense
Green..... + Signal
White ..... – Signal
Max Platform Size: 4' x 4'
Warranty: 1-year limited warranty

HOC ORDER INFORMATION

Load Rating	Part #	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

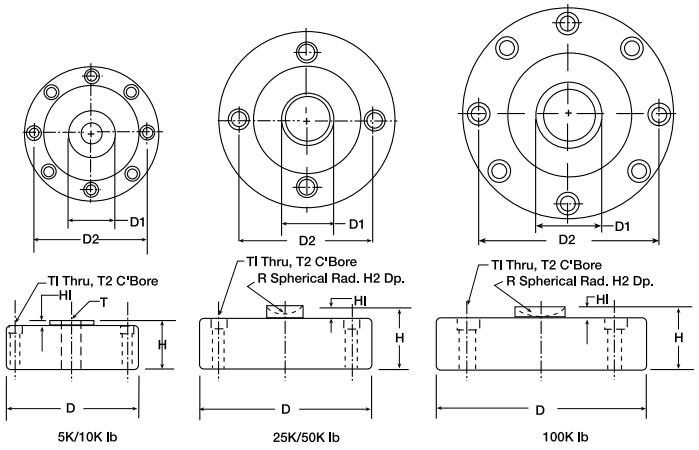
Manufacturer	Model
Vishay Tedea-Huntleigh	(see page 345) 1320

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LCD Compression* Disk, Alloy Steel



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



Picture is a representation of actual product

RATED CAPACITY	T	R	D	DIMENSIONS 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	.31	.34	.508 x .38 DP
100,000	—	.875	5.43	4.60	2.25	.25	.31	.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	8.0	8.7	12.9 x 9.7 DP
45,359.4	—	22.2	138.0	116.8	57.2	6.4	8.0	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 #	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

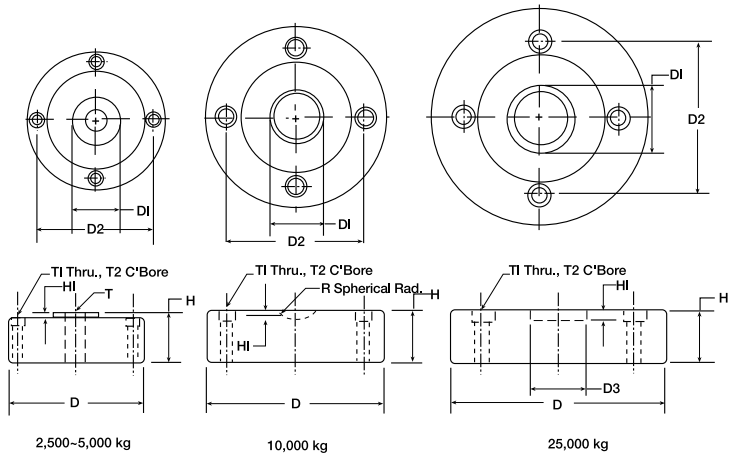
Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 150)	RL90000

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PSD Compression* Disk, Alloy Steel
OIML, C3



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS T	R	D	D1	D2	D3	H	H1	T1	T2
kg/mm										
2500-5,000	M16 x 1.5	—	104.7	32.0	88.9	—	34.8	3.05	7.2	10.5 X 7.2DP
10,000	—	22.2	138.0	38.9	106.4	—	41.1	7.62	8.7	13.5 X 9.7DP
25,000	—	—	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**
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: 0.05% Full scale
Hysteresis: 0.02% Full scale
Insulation Resistance: 2000 megohms
Seal Type: Environmentally sealed
Cable Length: 15.2 m/50'
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: 1-year limited warranty

PSD ORDER INFORMATION

Load Rating		Part #	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.*

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Notes:

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S-Beams

UB1, Stainless Steel ..... Page 207



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 208



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 209



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 210



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 211



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/10,2025.8 kg).

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Single-Ended Beams (Continued)

BK2, Stainless Steel ..... **Page 212**



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 200 kg to 2000 kg and includes 10'/3.1 m of standard cable.

500-2000 kg

SB6, Stainless Steel ..... **Page 213**



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 .2-2 kn (44.1 to 441.0 lb). Complete with 10'/3.1 m of load cell cable.

SB10, Stainless Steel ..... **Page 214**



The SB10 load cell is used in the 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 520 lb (2.5 kN). Each unit is supplied complete with 10'/3.1 m of load cell cable.

SB14, Stainless Steel ..... **Page 215**



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 216**



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.

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Compression Canisters Continued



RC3, Stainless Steel, Hermetically Sealed ..... Page 217

The RC3 is a stainless steel, hermetically-sealed load cell. This rocker design provides superior performance and full hermetic design in applications where moisture and high humidity are problems. Available in capacities from 30 ft to 50 ft and each unit comes with 59' (18 m) of cable.

Single Points

PCB, Stainless Steel, Hermetically Sealed ..... Page 218



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 219



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 220



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 kg (68.0 kg), and comes complete with 10'/3.1 m of load cell cable.

PC6, Stainless Steel ..... Page 221



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).

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Single Points (Continued)



PB, Aluminum ..... **Page 222**

The Flintec PB planar beam is an inexpensive alternative for low profile, light capacity applications. The compact size and mv/v per ohm calibration simplifies installation. Capacities range from 15 kg to 150 kg and includes 3.3/1m of cable.

Mount Points

POD1, Aluminum ..... **Page 223**

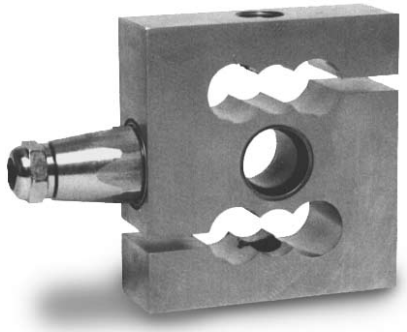


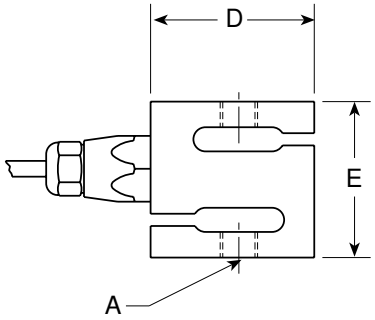
The POD1 weigh module offer aluminum and IP65 sealing, with 1000 ohms of bridge resistance.

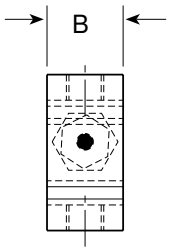
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UB1/UB1 HE S-Beam, Stainless Steel
Hermetically-sealed, IP68







Picture is a representation of actual product

RATED CAPACITY		DIMENSIONS A	B	C	D	E
lb/inches						
1125	(1 kN-5 kN*)	1/2-20 UNF	1.18	N/A	2.42	2.42
2250-5200	(10 kN-23 kN*)	5/8-18	1.18	N/A	3.38	3.62
11,250	(50 kN*)	1-12 UNF	1.69	N/A	5.62	5.37
kg/mm						
102.1-510.3	(1 kN-5 kN*)	1/2-20	30.0	N/A	61.5	61.5
1020.6-2358.7	(10 kN-23 kN*)	5/8-18	30.0	N/A	85.9	92.0
5102.9	(50 kN*)	1-12	42.9	N/A	68.1	136.4

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)
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 #	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		
4500 lb (20 kN*) (2041.2 kg) T=3/4-16 UNF	52954	$595.00
Conduit Adapter, 1/2-14 NPT	17703	$35.00

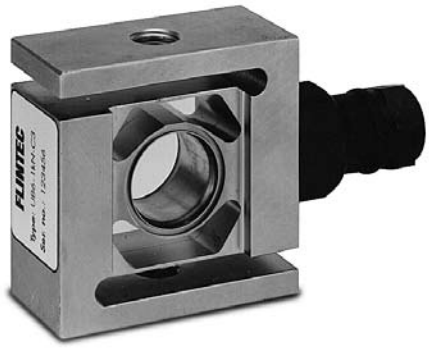
** kN = Kilonewtons, 1 kN = 224.8089 lb*

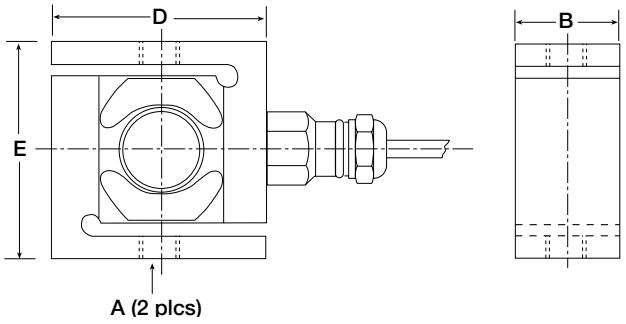
*** Matched outputs via mV/V/ohm calibration*

† Also available with metric threads

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UB6 S-Beam, Stainless Steel
Hermetically sealed, IP68, OIML C3





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E
lb/inches					
225-1125 (1 kN-5 kN*)	1/2-20 UNF	1.20	N/A	2.42	2.42
kg/mm					
102.1-510.3 (1 kN-5 kN*)	1/2-20 UNF	30.0	N/A	61.5	61.5

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)
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 #	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*

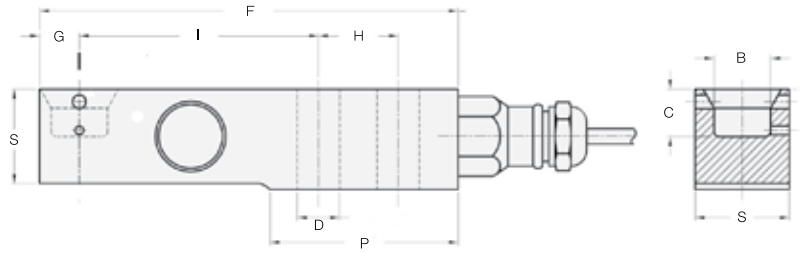
*** Matched outputs via mV/V/ohm calibration*

† Also available with metric threads

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SLB Single-Ended Beam, Stainless Steel
NTEP, 1:4000 Class III Single Cell/1:7500 Class III Multiple Cell





Available upon request

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS C	D	F	G	H	I	L	P	S
lb/inches 200-5000	.59	.51	5.37	.50	1.0	3.0	51	2.42	1.19
kg/mm 91-2268	15.1	13	136.3	12.7	25.4	76.2	12.0	61.4	30.1

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 #	Price
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

**Stainless overbraid cable*

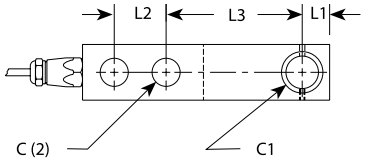
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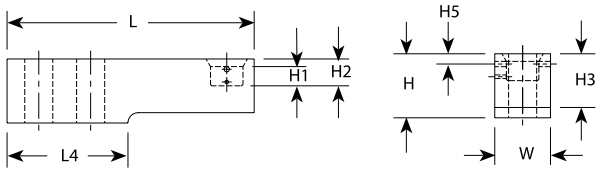
SB4 Single-Ended Beam, Stainless Steel
Hermetically sealed, IP68, NTEP 1:5000 Class III Multiple Cell



Available upon request

Picture is a representation of actual product





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

RATED CAPACITY	DIMENSIONS 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%****
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)
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: 2250 lb = .012"/.3.1 mm, 5200 lb = .02"/.5 mm, 11,250 lb = .012"/.3.1 mm, 22,500 lb = .016"/.4 mm
Seal Type: Hermetically sealed, IP68
Cable Length: 225-5200 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

SB4 ORDER INFORMATION

Load Rating	Part #	Price
NTEP 1:5000		
1125 lb (5 kN*/510.3 kg)	26662	$650.00
2250 lb (10 kN*/1020.6 kg)	26663	$650.00
5200 lb (23 kN*/2358.7 kg)	26664	$650.00
11,250 lb (50 kN*/5102.9 kg)	26665	$725.00
Non-NTEP		
1125 lb (5 kN*/510.3 kg)	17390	$595.00
2250 lb (10 kN*/1020.6 kg)	17391	$595.00
5200 lb (23 kN*/2358.7 kg)	17392	$595.00
11,250 lb (50 kN*/5102.9 kg)	17393	$650.00
22,500 lb (100 kN*/10,205.8 kg)	17394	$895.00
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	40 and 12

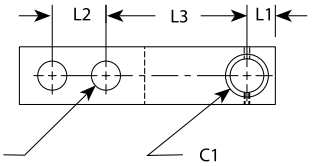
30 FT CABLES

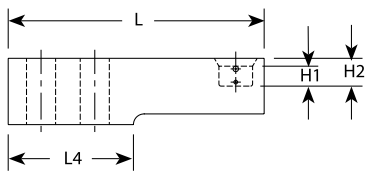
Load Rating	Part #	Price
NTEP 1:5000		
1125 lb (5 kN)	100164	$755.00
2250 lb (10 kN)	100165	$755.00
5200 lb (23 kN)	100166	$755.00
11250 lb (50 kN)	100167	$895.00
Non-NTEP		
1125 lb (5 kN)	100169	$685.00
2250 lb(10 kN)	100170	$685.00
5200 lb (23 kN)	100171	$685.00
11250 lb(50 kN)	100173	$765.00
22500 lb (100 kN)	100168	$950.00

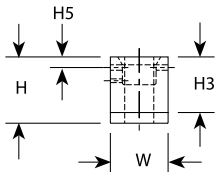
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SB5 Single-Ended Beam, Stainless Steel
NTEP 1:5000 Class III Multiple Cell









Available upon request

Picture is a representation of actual product

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	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—
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%**
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)
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: 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 #	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

WEIGH MODULE AVAILABLE

Model	Page #
Paramounts® EP	38

** kN = Kilonewtons, 1 kN = 224.8089 lb*

*** Matched outputs via mV/V ohm calibration*

SB5-T Threaded hole obsolete

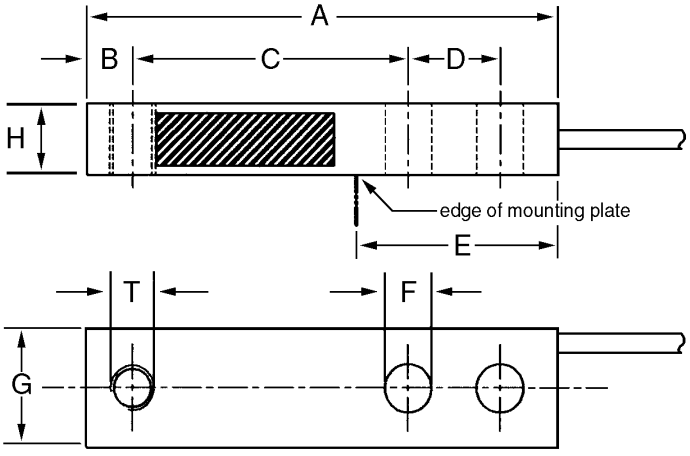
30 FT CABLES

Load Rating	Part #	Price
NTEP 1:5000		
1125 (5 kN)	100174	$455.00
2250 (10 kN)	100175	$455.00
4500 (20 kN)	100176	$455.00
11,250 (50 kN)	100177	$675.00
22,500 (100 kN)	100178	$875.00

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BK2 Single-Ended Beam, Stainless Steel
Potted, IP67 1:5000 NTEP CLASS III, Multiple





OIML

Available upon request

500-2000 kg

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	T
lb/inches									
440.9	5.06	.50	3.00	1.00	2.12	.51 (2x)	1.21	.62	1/2-20 UNF
1102.5	5.06	.50	3.00	1.00	2.12	.51 (2x)	1.21	.62	1/2-20 UNF
2205.0	5.06	.50	3.00	1.00	2.12	.51 (2x)	1.21	.75	1/2-20 UNF
4410.0	5.06	.50	3.00	1.00	2.12	.51 (2x)	1.21	.99	1/2-20 UNF
kg/mm									
200	128.5	12.7	76.2	25.4	53.8	13(2x)	30.9	16.1	1/2-20 UNF
500	128.5	12.7	76.2	25.4	53.8	13(2x)	30.9	16.1	1/2-20 UNF
1000	128.5	12.7	76.2	25.4	53.8	13(2x)	30.9	19.1	1/2-20 UNF
2000	130.2	12.7	76.2	25.4	53.8	13(2x)	30.9	25.4	1/2-20 UNF

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: 10V 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 #	Price
200 kg (440.9 lb)	84838	$225.00
500 kg (1102.5 lb)	84839	$225.00
1000 kg (2205.0 lb)	84840	$225.00
2000 kg (4410.0 lb)	84841	$225.00

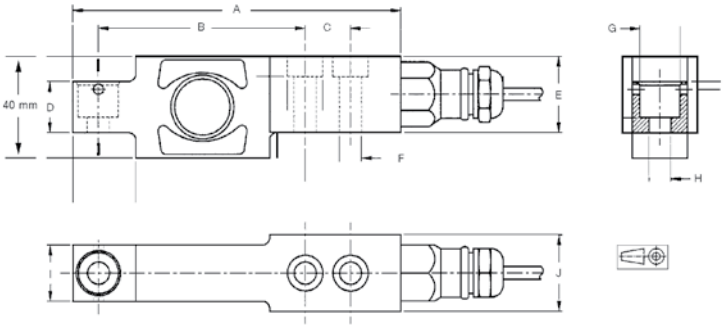
** Metric thread is available*

*** Matched outputs via mV/V ohm calibration*

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SB6 Single-Ended Beam, Stainless Steel
Hermetically sealed, IP68, OIML C3





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I	J
kn/mm .2-2	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
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)
Combined Error: 0.01% Full scale
Insulation Resistance: 5000 megohms
Seal Type: Hermetically sealed, IP68
Cable Length: 3.1 m/10'
Cable Color Code: Green..... + Excitation
Black..... – Excitation
White ..... + Signal
Red..... – Signal
Yellow..... Shield
Warranty: 1-year limited warranty

SB6 ORDER INFORMATION

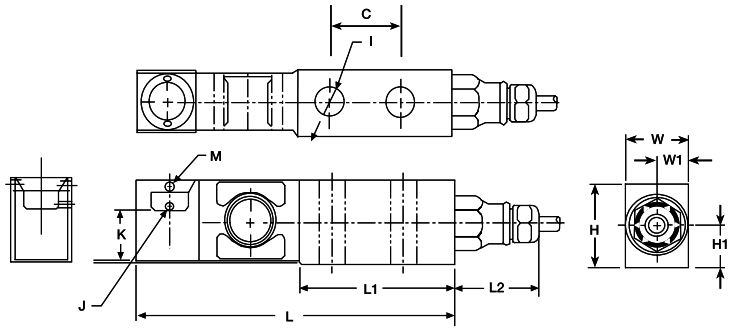
Load Rating	Part #	Price
.2 kn (44.1 lb)	41163	$410.00
.5 kn (110.2 lb)	41164	$410.00
1 kn (220.5 lb)	41165	$410.00
2 kn (440.9 lb)	41166	$410.00

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SB10 Single-Ended Beam, Stainless Steel
Hermetically sealed, IP68



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS L	L1	L2	H	H1	W	W1	I	J	K	M	C
lb/inches 520	6.10	2.98	1.60	1.58	.81	.59	1.18	0.520±.005	.11	.99	.16	1.387
kg/mm 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 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:	.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 #	Price
520 lb (2.3 kN*/235.9 kg)	38215	$895.00
Conduit Adapter, 1/2-14 NPT	17703	$35.00

** kN = Kilonewtons, 1 kN = 224.8089 lb*

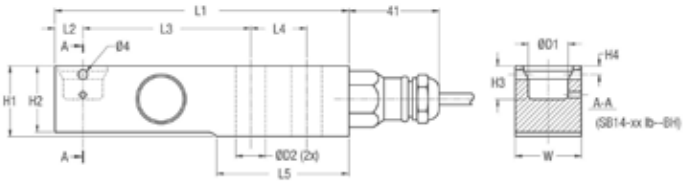
WEIGH MODULE AVAILABLE

Model	Page #
Paramounts® HS, HE	40 and 12

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SB14 Single-Ended Beam, Stainless Steel
Hermetically sealed, IP68, NTEP 1:5000 Class III Multiple Cell





FM APPROVED

NTEP

OIML

Available upon request

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	= G	H	I	J
lb/inches										
500-1000	5.25	3.00	1.00	.60	1.16	2.36	.53	1.18	1/2-20 UNF	1.22
2500	5.25	3.00	1.00	.60	1.21	2.36	.53	1.18	1/2-20 UNF	1.22
5000	5.25	3.00	1.00	.60	1.22	2.36	.53	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	13.5	30.0	1/2-20 UNF	31.0
1134.0	133.4	76.2	25.4	15.2	30.7	60.0	13.5	30.0	1/2-20 UNF	31.0
2268.0	133.4	76.2	25.4	15.2	30.9	60.0	13.5	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: 10V DC (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

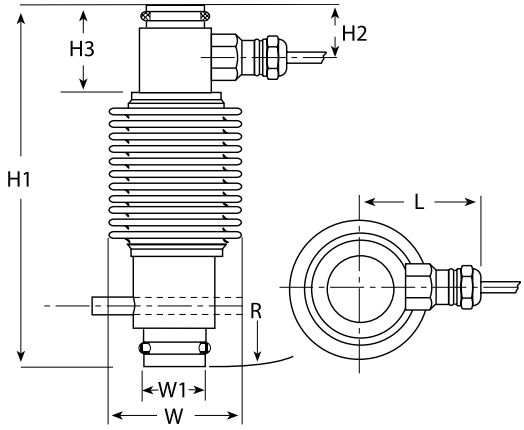
SB14 ORDER INFORMATION

Load Rating	Part #	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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RC1 Rocker Column, Stainless Steel
Hermetically sealed, IP68, NTEP 1:10,000, OIML C3





Available upon request

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS H1	H2	H3	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	1.46
kg/mm							
25,401.6	192.0	31.0	51.0	62.0	279.0	72.0	37.0
40,824.0	225.0	34.0	57.0	69.0	356.0	85.0	37.0

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: 10V DC (15V maximum)
Combined Error: 0.02% Full scale
Insulation Resistance: 5000 megohms
Seal Type: Hermetically sealed, IP68
Cable Length: 56,000 lb 32.8'/10 m, 90,000 lb 59.1'/18 m
Cable Color Code: Green..... + Excitation
Black..... – Excitation
White ..... + Signal
Red..... – Signal
Yellow..... Shield
Warranty: 1-year limited warranty

RC1 ORDER INFORMATION

Load Rating	Part #	Price
**50,000 lb (250 kN*/25,401.6 kg)	36217	$795.00
90,000 lb (400 kN*/40,824.0 kg)	36218	$1,350.00
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® Digitol to analog conversion: requires replacement of all system load cells, j-box, and instrumentation; consult factory*

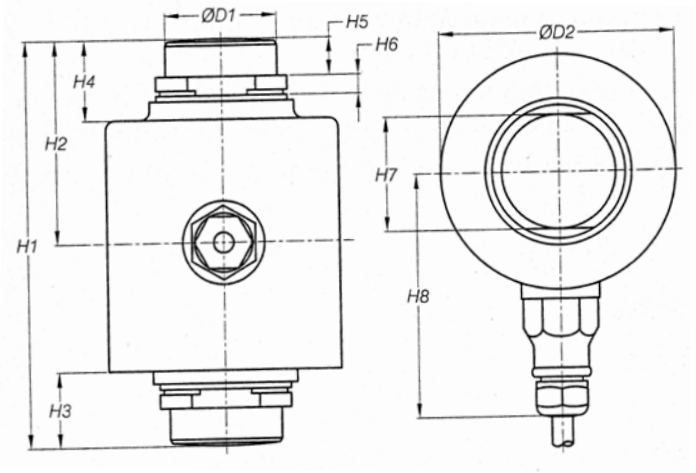
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Fairbanks®	LCF-HR4020-19

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RC3 Rocker Cell, Stainless Steel
Hermetically sealed, IP68, NTEP 1:6,000 III, OIML C3





Available upon request

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS H1	H2	H3	H4	H5	H6	H7	H8	D1	D2
lb/inches										
60,000	5.51	2.76	2.20	1.10	0.51	0.26	1.55	3.31	1.55	3.19
80,000	5.91	2.95	1.22	1.30	0.51	0.46	1.55	3.31	1.55	3.19
100,000	7.01	3.50	1.26	1.34	0.67	0.33	1.73	3.71	1.73	3.90
kg/mm										
30t	140	70	26	28	13	6.5	39	84	39	81
40t	150	75	31	33	13	11.7	39	84	39	81
50t	178	89	32	34	17	8.5	44	94	44	99

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)
Combined Error: 0.02% Full scale
Insulation Resistance: 5000 megohms

Seal Type: Hermetically sealed IP68
Cable Length: 59.1'/18 m
Cable Color Code: Green.....+ Excitaton
Black.....- Excitation
White.....+ Signal
Red.....- Signal
Yellow.....Shield

Warranty: 1-year limited warranty

RC3 ORDER INFORMATION

Load Rating	Part #	Price
30t	84203	$925.00
40t	84204	$925.00
50t	84205	$1,195.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
*Fairbanks® 30t	LCFHR4020-2A
*Fairbanks® 50t	LCFHR4020-4A

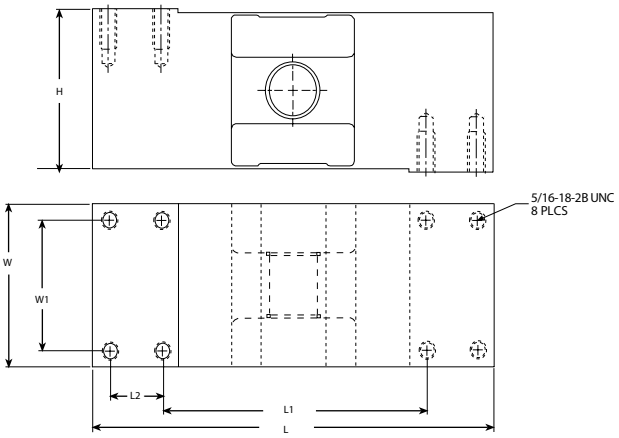
**Stainless overbraid cable*

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PCB Single Point, Stainless Steel (IP 68 Rated)
Hermetically sealed, IP68, NTEP 1:5000 Class III Single Cell



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS L	L1	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
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 (20V maximum)
Total Error: 0.02% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 50-1000 kg ≤ .4 mm/.015"
Seal Type: Hermetically sealed, IP68
Cable Length: 10'/3.1 m
Cable Color Code: Green..... + Excitation
Black..... – Excitation
White ..... + Signal
Red..... – Signal
Yellow..... Shield
Max Platform Size: 39" x 39"
Warranty: 1-year limited warranty

PCB ORDER INFORMATION

Load Rating	Part #	Price
NTEP 1:5000		
50 kg (110.3 lb)	45274	$795.00
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 165)	RL1250*
Vishay Celtron (see page 197)	LOC*
Vishay Revere Transducers (see page 286)	652*
Vishay Tedea-Huntleigh (see page 344)	1250*

** Environmentally-sealed*

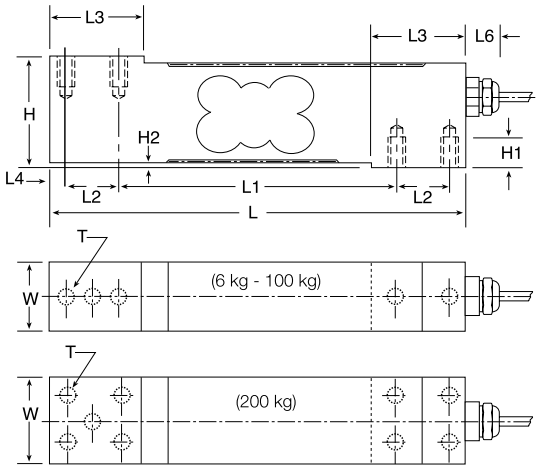
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PC1 Single Point, Stainless Steel
NTEP 1:3000 Class III Single Cell



Available upon request

Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS H	H1	H2	L	L1	L2	L3	L4	L5	L6	W	T	T1
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: 10V 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
Max Platform Size: 18" x 18"
Warranty: 1-year limited warranty

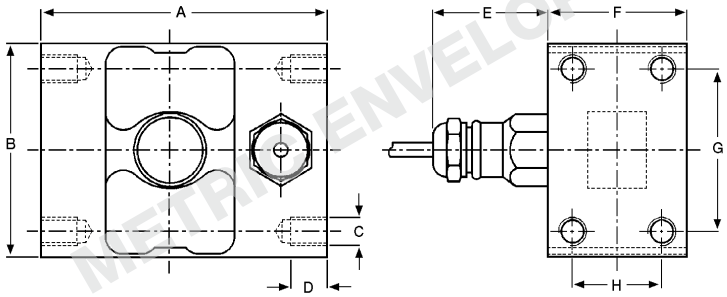
PC1 ORDER INFORMATION

Load Rating	Part #	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

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PC2 Single Point, Stainless Steel
Hermetically sealed, IP68





METRIC ENVELOPE

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Picture is a representation of actual product

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
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)
Combined Error: 0.02% Full scale
Insulation Resistance: 5000 megohms

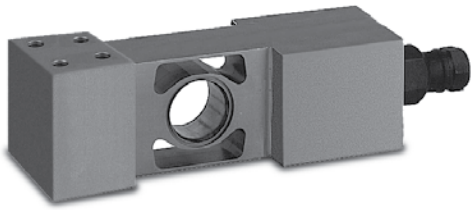
Seal Type: Hermetically sealed, IP68
Cable Length: 10'/3.1 m
Cable Color Code: Green.....+ Excitation
Black.....– Excitation
White .....+ Signal
Red.....– Signal
Yellow..... Shield
Warranty: 1-year limited warranty

PC2 ORDER INFORMATION

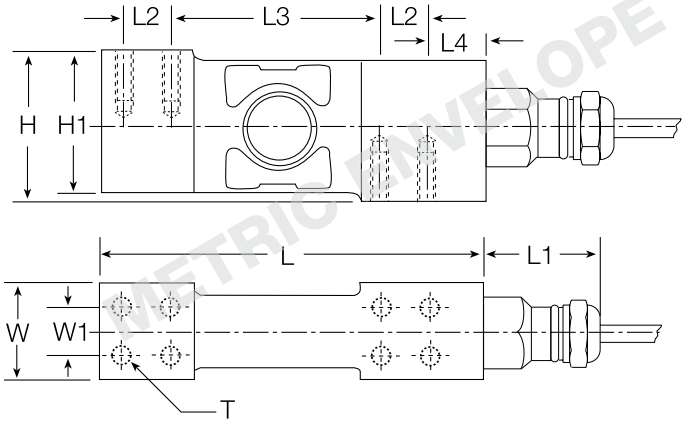
Load Rating	Part #	Price
150 kg (330.7 lb)	41176	$1,010.00

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PC6 Single Point, Stainless Steel
Hermetically sealed, IP69 NTEP 1:5000 Class III Single Cell



Picture is a representation of actual product



METRIC ENVELOPE

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**
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)
Combined Error:	0.02% Full scale
Insulation Resistance:	5000 megohms
Seal Type:	Hermetically sealed, IP68
Cable Length:	3.3'/1 m
Cable Color Code:	Green..... + Excitation Black..... – Excitation White ..... + Signal Red..... – Signal Yellow..... Shield
Max Platform Size:	24" x 24"
Warranty:	1-year limited warranty

PC6 ORDER INFORMATION

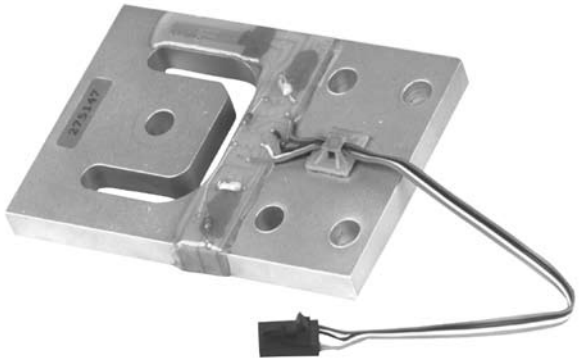
Load Rating	Part #	Price
20 kg (44.1 lb)	36225	$650.00
50 kg (110.2 lb)	36226	$650.00
100 kg (220.5 lb)	36227	$650.00
200 kg (441.0 lb)	36228	$650.00

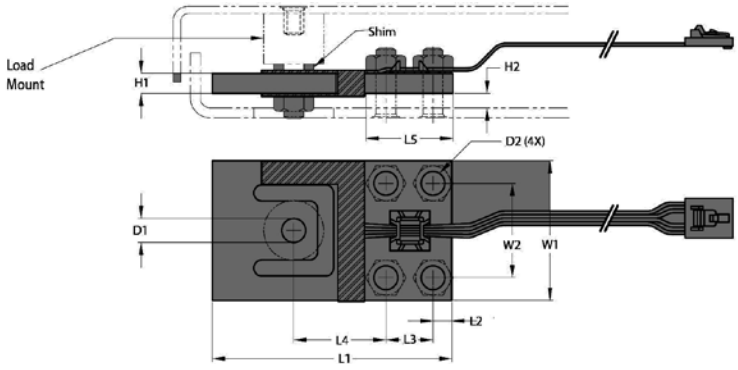
INTERCHANEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	RLPC6

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PB Planar Beam, Aluminum IP65





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Type	L1	L2	L3	L4	L5	W1	W2	H1	H2 (min)	D1	D2	Deflection (mm) at E max
PB-3.75 kg-RH	70	4.9	14	28	23.7	39	27.8	2	3	5.1	5.1	0.46
PB-7.5 kg-RH	70	4.9	14	28	23.7	39	27.8	2.5	3	5.1	5.1	0.40
PB-15 kg-RH	70	4.9	14	28	23.7	39	27.8	4.1	4.5	7.6	5.1	0.27
PB-37.5 kg-RH	76.2	6	15	29.3	27	44.5	30	4.8	5	7.6	6.6	0.36
PB-75 kg-RH	84.4	6.4	15	34	27.7	54.8	30	6.4	5	7.6	6.6	0.35
PB-150 kg-RH	107.3	7.8	22.9	45.9	38.4	69.9	44.5	7.9	6	9.1	8.1	0.56
PB-375 kg-RH	119.4	9.1	25.4	52.6	43.7	76.1	50.8	12.7	6	91	9.8	0.68

SPECIFICATIONS:

Full Scale Output: 1 mV/V
Bridge Resistance: 1000 ohms
Material/Finish: Aluminum
Temperature: Compensated Range
0°F-150°F
Safe Overload: 150% Full Scale
Rated Excitation: 10 VDC
Combined Error: .060% Full Scale
Insulation Resistance: 5000 megohms

Seal Type: IP65
Cable Length: 10'
Cable Color Code: Green.....+ Excitation
Black..... -Excitation
White ..... +Signal
Red..... -Signal
Warranty: 1-year limited warranty

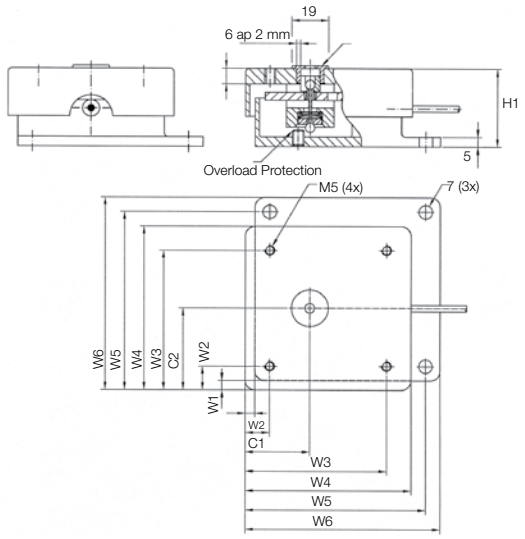
PB PLANAR ORDER INFORMATION

Load Rating	Part #	Price
15 kg (36.4 lb)	96361	$75.00
37.5 kg (82.7 lb)	96362	$75.00
75 kg (165.4 lb)	96363	$75.00
150 kg (330.7 lb)	96364	$75.00

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POD1 Weigh Module, Aluminum IP65





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS W1	W2	W3	W4	W5	W6	C1	C2	H1
kg/mm									
7.5 kg/15 kg	5	12.5	72.5	85	92.5	100	33.1	42.5	40
37.5 kg/75 kg	5	12.5	87.5	100	107	115	44.3/39.6	50	44

SPECIFICATIONS:

Full Scale Output: 1 mV/V
Bridge Resistance: 1000 ohms
Material/Finish: Aluminum
Temperature: Compensated Range 0°F-150°F
Safe Overload: 150% Full scale
Rated Excitation: 10 VDC
Combined Error: .060% Full scale
Insulation Resistance: 5000 megohms
Seal Type: IP65
Cable Length: 10'
Cable Color Code: Green.....+Excitation
Black..... -Excitation
White .....+Signal
Red..... -Signal
Warranty: 1-year limited warranty

POD1 ORDER INFORMATION

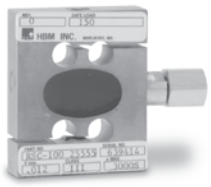
Load Rating	Part #	Price
7.5 kg (16.5 lb)	92422	$325.00
15 kg (33.1 lb)	92423	$325.00
37.5 kg (83.7 lb)	92424	$325.00
75 kg (165.3 lb)	92425	$325.00

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Notes:

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S-Beams



RSC, Stainless Steel ..... Page 229

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 230

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 231

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 232

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.



THC, Stainless Steel ..... Page 233

Used in HBM's RTM weigh modules as well as Mettler-Toledo weigh modules and floor scales. Stainless steel with a welded seal. NTEP approval to 5000 divisions. 15' or 30' of cable.



A35, Alloy Steel ..... Page 234

Single ended beam designed for low-profile scales and process applications. NTEP detisfied categories from 500 lb to 2500 lb. Includes 20 ft of cable.



BLC, Stainless Steel..... Page 235

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

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Single-Ended Beams (Continued)



BBS, Alloy Steel ..... Page 236

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.



BLF, Stainless Steel ..... Page 237

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 238

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 50,000 lb (453.6 to 22,679.6 kg).



Z6, Stainless Steel ..... Page 239

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 240



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 241



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.

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Single Points

PW6K Single Point, Aluminum ..... Page 242



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 243



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.

PW2R, Aluminum ..... Page 244



Popular with several large OEM scale manufacturers worldwide, 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 245



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 246



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 OMIL 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.

Pending

PW16, Aluminum ..... Page 247



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.

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Single Points (Continued)





PW15AH, Stainless Steel ..... **Page 248**

The PW15AH by HBM is the new standard for hermetically sealed single point load cells. A unique sealing process guarantee's moisture protection from high pressure jets. Available in 10, 20, 50 and 100 kg capacities; IP69.

NTEP Approval Pending



PWS/PWSM, Stainless Steel ..... **Page 249**

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.



PWA, Aluminum ..... **Page 250**

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'.

Obsolete

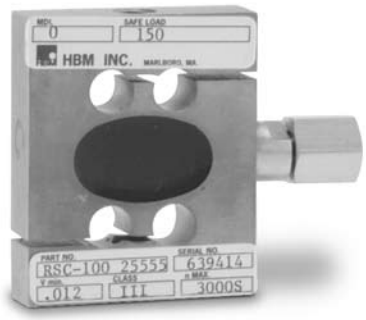


SP10, Aluminum ..... **Page 251**

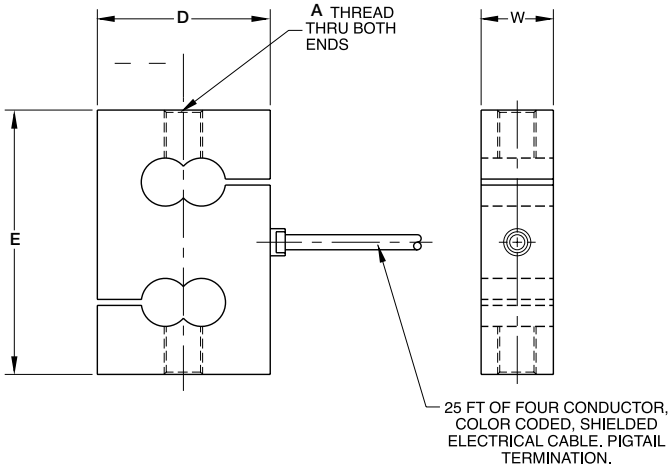
The SP10 is a popular aluminum single point design that has been used in bench, platform, postal, and price-computing scales for years. Design advantages include low sensitivity to side loading and built-in overload stops to protect this component from accidental operator abuse. Protected to IP65 sealing 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.

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RSC S-Beam, Stainless Steel
NTEP 1:3000 Class III Single Cell



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E
lb/inches					
50-300	3/8-24	0.59	N/A	2.00	2.44
500-3000	1/2-20	0.94	N/A	2.25	3.44
5000	3/4-16	1.19	N/A	2.75	3.94
10,000	3/4-16	1.44	N/A	3.00	3.94
kg/mm					
22.7-136.1	3/8-24	15.0	N/A	50.8	62.0
226.8-4535.9	1/2-20	23.9	N/A	57.2	87.4
2268.0	3/4-16	30.2	N/A	69.9	100.1
4535.9	3/4-16	36.6	N/A	76.2	100.1

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
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 #	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	$425.00
Non-NTEP			
50 lb	(22.7 kg)	21899	$325.00
10,000 lb	(4535.9 kg)	21909	$465.00

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

WEIGH MODULE AVAILABLE

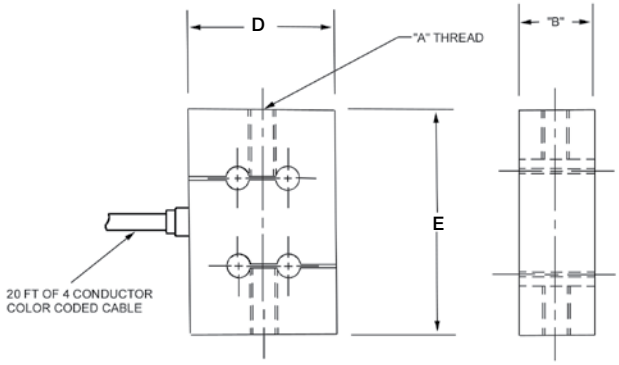
Model	Page #
ITCM Isolated Tension Cell Mount	357

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S35 S-Beam, Stainless Steel
NTEP 1:3000 Class III 3S/1:10,000 Class IIIL 10S, IP67



Picture is a representation of actual product



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

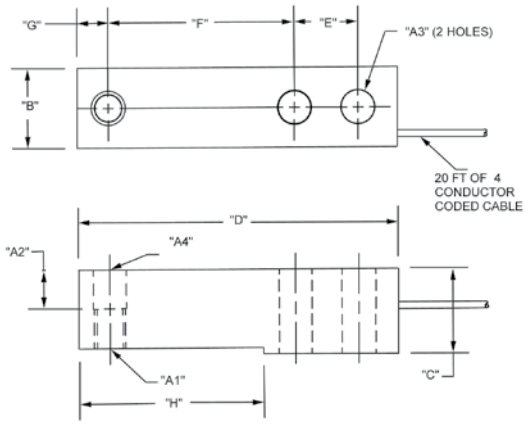
WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	357

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H35 Single-Ended Beam, Stainless Steel
NTEP 1:5000 Class III Multiple Cell, Welded-seal, IP67





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A1	A2	A3	A4	B	C	D	E	F	G	H	I
lb/inches 500-5000	1/2-20 UNF-2B	.62	.53	.53	1.21	1.19	5.12	1.00	3.00	.50	2.85	1.120
kg/mm 453.6-2268	1/2-20 UNF-2B	15.8	13.5	13.5	30.7	30.2	130.05	25.4	76.2	12.7	72.4	28.4

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
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: 0.03% Full scale
Insulation Resistance: 5000 megohms
Seal Type: Welded-seal, IP67
Cable Length: 20'/6.1 m
Cable Color Code: Green.....+ Excitation
Black.....– Excitation
White .....+ Signal
Red.....– Signal
Yellow..... Shield
Warranty: 1-year limited warranty

H35 ORDER INFORMATION

Load Rating	Part #	Price
500 lb (226.8)	84818	$295.00
1,000 lb (453.6 kg)	64876	$295.00
2,500 lb (1134.0 kg)	64877	$295.00
4,000 lb (1814.4 kg)	64878	$295.00
5,000 lb (2268.0 kg)	64879	$295.00

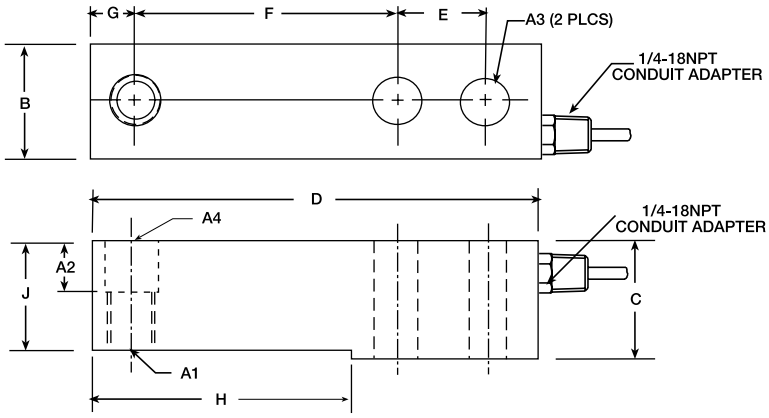
INTERCHANGEABLE PRODUCTS

Manufacturer	Part #	Part #
Mettler Toledo		
500 lb-8 ft cable		TB601019-008
1,000 lb-20 ft cable		TB601016-020
2,500 lb-8 ft cable		TB601016-008
4,000 lb-20 ft cable		TB601017-020
5,000 lb-8 ft cable		TB601018-008
Rice Lake		

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B35 Single-Ended Beam, Stainless Steel
NTEP 1:5000 Class III Multiple Cell





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A1	A2	A3	A4	B	C	D	E	F	G	H	J
lb/inches												
250-500	1/2-20 UNF-2B	.50	.53	.53	1.21	1.00	5.12	1.00	3.00	.50	2.85	.93
1000-4000	1/2-20 UNF-2B	.62	.53	.53	1.21	1.19	5.12	1.00	3.00	.50	2.85	1.12
5000-10,000	3/4-16 UNF-2B	.75	.78	.78	1.44	1.44	6.75	1.50	3.75	.75	3.75	1.34
kg/mm												
226.8	1/2-20 UNF-2B	12.7	13.5	13.5	30.7	25.4	130.0	25.4	76.2	12.7	72.4	23.6
453.6-1814.4	1/2-20 UNF-2B	15.7	13.5	13.5	30.7	30.2	130.0	25.4	26.2	12.7	72.4	28.4
2268.0-4535.9	3/4-16 UNF-2B	19.1	19.1	19.8	36.6	36.6	171.5	38.1	95.3	19.1	95.3	34.0

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V nominal
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload: 150% Full scale
Rated Excitation: 10V 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 #	Price
*250 lb (113.4 kg)	94364	$295.00
500 lb (226.8 kg)	46486	$295.00
1000 lb (453.6 kg)	46487	$295.00
2000 lb (907.2 kg)	46488	$295.00
2500 lb (1134.0 kg)	46489	$295.00
3000 lb (1360.8 kg)	46490	$295.00
4000 lb (1814.4 kg)	46491	$295.00
5000 lb (2268.0 kg)	46492	$355.00
10,000 lb (4535.9 kg)	46493	$355.00

*Non NTEP

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 112)	RL39123
Vishay Revere Transducers..... (see page 265)	9123

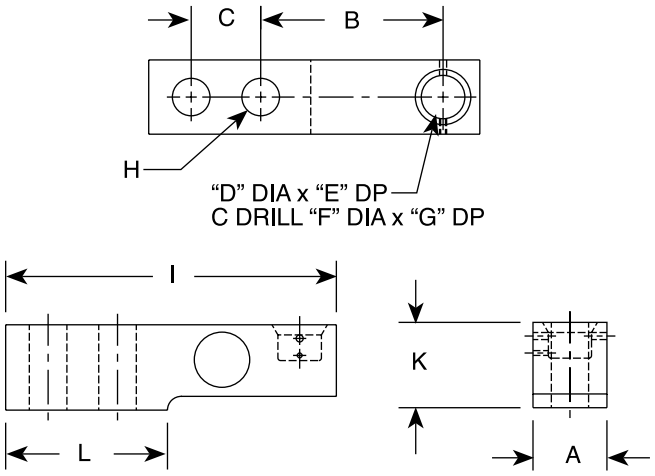
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HBM THC* Single-Ended Beam, Stainless Steel
Welded-seal, IP67 NTEP 1:5000 Class III Multiple



500 lb model

Picture is a representation of actual product



HBM, Inc.

DIMENSIONS

RATED CAPACITY	A	B	C	D	E	F	G	H	I	J	K
lb/inches											
500-4,000	1.20	3.00	1.00	.63	.69	.88	.189	.500	5.25	1.22	2.27
5,000	1.46	3.00	1.00	.63	.92	.88	.38	.500	5.38	1.40	2.28
10,000	1.68	1.50	1.50	.88	1.17	1.38	.44	.750	6.87	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	30.9	57.6
2268	37.1	76.2	25.4	16.0	23.4	22.4	9.7	12.7	136.7	35.5	57.9
4536	42.7	95.3	38.1	22.4	29.7	35.1	11.8	19.1	174.5	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: 30'/9.1 m
15'/6.1 m (4000 lb)
Cable Color Code: Green.....+ Excitation
Black..... - Excitation
White .....+ Signal
Red..... - Signal
Yellow..... Shield
Warranty: 1-year limited warranty

HBM THC ORDER INFORMATION

Load Rating	Part #	Price
500 lb (226.8 kg)	69999	$450.00
1,250 lb (567.0 kg)	70002	$450.00
2,500 lb (1,134 kg)	70005	$450.00
*4,000 lb (1,181.4 kg)	70008	$450.00
5,000 lb (2,268 kg)	70009	$575.00
10,000 lb (4,536 kg)	70014	$695.00

**Model HLC*

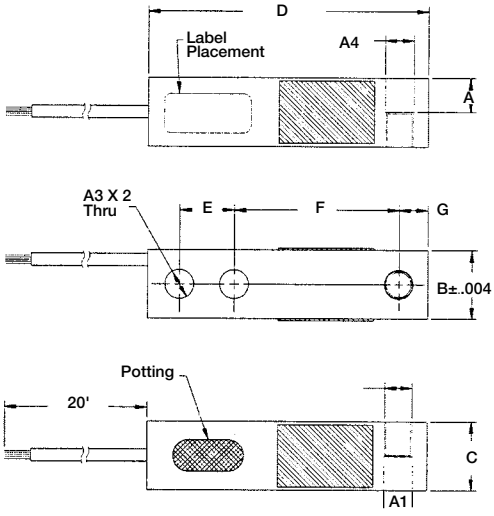
INTERCHANGEABLE PRODUCTS

Manufacturer	Part #
Mettler-Toledo®	TB600529-500 lb
Mettler-Toledo	TB600363-1250 lb
Mettler-Toledo	TB600342-2500 lb
Mettler-Toledo	TB600261-4000 lb
Mettler-Toledo	TB600343-5000 lb
Mettler-Toledo	TB600364-10000 lb
Rice Lake Weighing Systems	RL30745

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A35 Single-Ended Beam, Alloy Steel
NTEP 1:5000 Class III Multiple Cell





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A1	A2	A3	A4	B	C	D	E	F	G
lb/inches										
500	1/2-20 UNF	.50	.53	.53	1.00	1.25	5.12	1.00	3.00	.53
1000-5000 SE	1/2-20 UNF	.62	.53	.53	1.25	1.25	5.12	1.00	3.00	.53
kg/mm										
226.8 kg	1/2-20 UNF	12.7	13.5	13.5	25.4	31.8	130.1	25.4	76.2	13.5
453.6-2059.35E	1/2-20 UNF	15.8	13.5	13.5	31.8	31.8	130.1	25.4	76.2	13.5

SPECIFICATIONS:

Full Scale Output: 3.0 mv/v
Bridge Resistance: 350 ohms, nominal
Material/Finish: Alloy steel
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Insulation Resistance: 5000 megohms
Combined Error .03% of FS
Deflection at Capacity: 0.03"

Seal Type: Environmentally sealed IP67
Cable Length: 20'/6.1m
Cable Color Code: Black..... - Excitation
Green.....+ Signal
Red.....+ Excitation
White .....– Signal
Yellow..... Shield
Warranty: 1-year limited warranty

A35 ORDER INFORMATION

Load Rating	Part #	Price
500 lb (226.8 kg)	98292	$275.00
1000 lb (453.6 kg)	98293	$275.00
2000 lb (907.2 kg)	98294	$275.00
2500 lb (1134.0 kg)	98295	$275.00
3000 lb (1360.8 kg)	98296	$275.00
4000 lb (1814.4 kg)	98297	$275.00
5000 lb SE (2268.0 kg)	98298	$275.00

INTERCHANGEABLE PRODUCTS

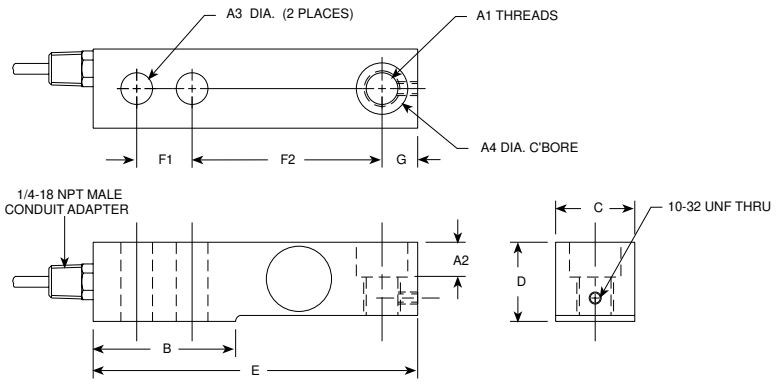
Manufacturer	Model	Page
Rice Lake Weighing Systems	RL35023	115
Vishay-Sensortronics	65023	300
Vishay-Celtron	SQB	186

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BLC Single-Ended Beam, Stainless Steel
NTEP 1:5000 Class III Multiple Cell*



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A1	A2	A3	A4	B	C	D	E	F1	F2	G
lb/inches											
500-4000	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											
226.8-1814.4	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 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 #	Price
NTEP* With Counter Bore		
500 lb (226.8 kg)	84817	$265.00
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 #	Price
NTEP* Without Counter Bore		
500 lb (226.8 kg)	84816	$265.00
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

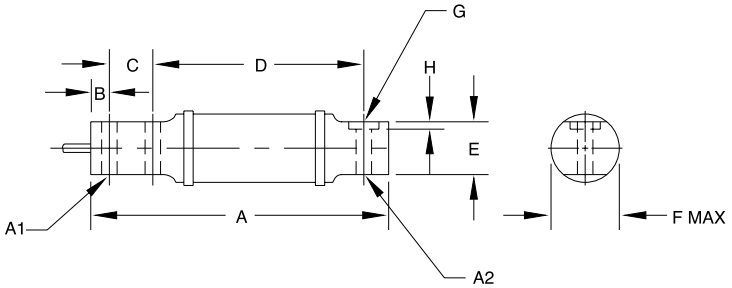
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 114) RLBLC**

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BBS Single-Ended Beam, Alloy Steel





FM APPROVED

Picture is a representation of actual product

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	1.38	—	—
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
kg/mm										
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

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 50-1000 lb = 750 ohms, nominal
2500 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 DC (15V 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
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 #	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

LE refers to large envelope

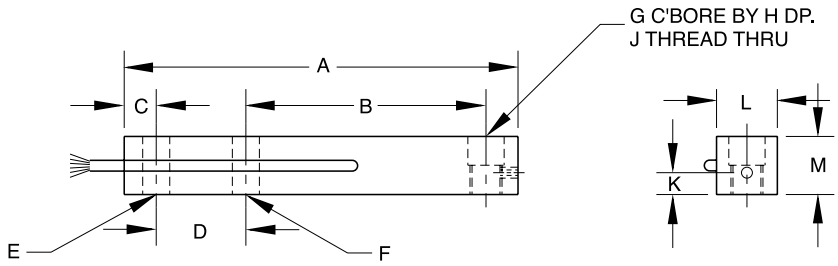
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 129)	RL40BBS
Vishay Sensortronics	60007
Vishay BLH	LBG1
Fairbanks®	3-481XX-1, 3-486XX-1

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BLF Single-Ended Beam, Stainless Steel





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Picture is a representation of actual product

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 #	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*

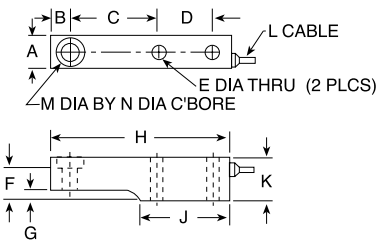
INTERCHANGEABLE PRODUCTS

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

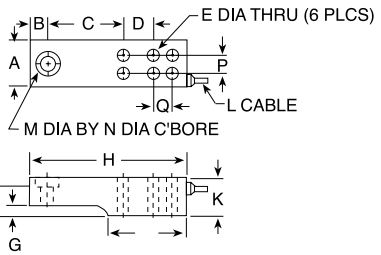
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SB3 Single-Ended Beam, Alloy Steel





1000 - 20,000 lbs/
453.6 - 9071.9 kg



50,000 lbs
22,679.6 - 52,164 kg

FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	# MNTG. HOLES	DIMENSIONS A	B	C	D	E	F	G	H	J	K	L	M	N	P/Q
lb/inches															
1000-5000	2	1.44	.88	3.87	2.50	.52	1.41	.44	8.00	4.00	1.88	10'	.68	1.19	—
10,000	2	1.88	.93	4.87	2.62	.88	2.12	.88	9.25	4.63	2.75	15'	1.00	1.63	—
20,000	2	2.38	1.25	5.50	3.25	1.06	2.44	.75	11.00	5.50	3.25	15'	1.25	2.01	—
50,000	6	3.75	1.75	7.12	3.00	.88	3.41	1.44	14.75	7.38	4.62	35'	1.75	2.89	2.00
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

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
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 (15V 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,
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
Green..... + Sense
Gray..... - Sense
Warranty: 1-year limited warranty

SB3 ORDER INFORMATION

Load Rating	Part #	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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 123) RLSSB
Revere Transducers	(see page 271) SSB
Howe Richardson®	37608XX

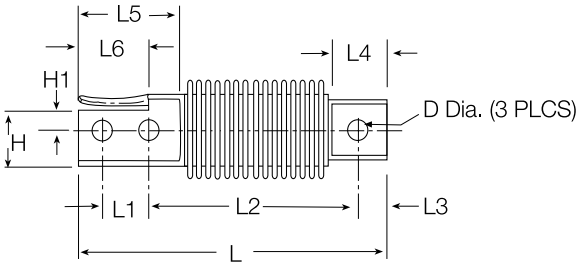
WEIGH MODULE AVAILABLE

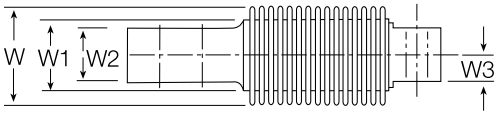
Model	Page #
RL1900 Series (1000 lb - 10,000 lb capacities)	46

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Z6 Single-Ended Beam, Stainless Steel
Welded-seal, IP67, OIML C3







Picture is a representation of actual product

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 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: Blue .....+ Excitation
Black.....– Excitation
White .....+ Signal
Red.....– Signal
Yellow..... Shield
Warranty: 1-year limited warranty

Z6 ORDER INFORMATION

Load Rating	Part #	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

**D1 accuracy class*

INTERCHANGEABLE PRODUCTS

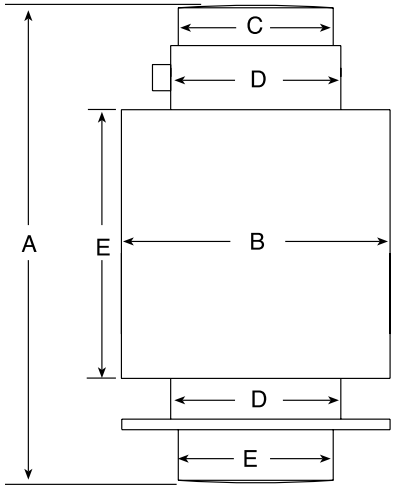
Manufacturer	Model
Rice Lake Weighing Systems	(see page 130) RLHBB
Vishay Celtron	(see page 190) HBB
Vishay Revere Transducers	(see page 270) SHB
Vishay Tedea-Huntleigh	(see page 330) 355

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C16 Rocker Column Pin, Stainless Steel
Hermetically sealed, IP68, NTEP 1:10,000 Class IIIL Multiple Cell/OIML



Picture is a representation of actual product



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 ± 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 DC (15V maximum)
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

OIML Load Rating	Part #	Price
20 t	69312	$765.00
30 t	69313	$765.00
40 t	69314	$765.00

NTEP Load Rating	Part #	Price
20 t	106149	$765.00
30 t	106150	$765.00
40 t	106151	$765.00

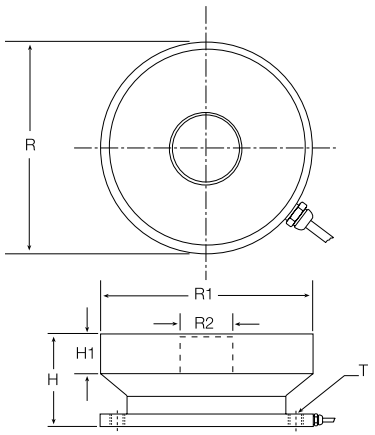
WEIGH MODULE AVAILABLE

Model
Consult factory

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JRT Torsion Ring Transducer, Alloy Steel/Stainless Steel
NTEP 1:10,000 Class IIIL Multiple Cell





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS H	H1	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
Bridge Resistance: 700 ohms
Material/Finish: Alloy steel, Stainless Steel (part #76698)
Temperature: Compensated range 14°F to 113°F/-10°C to 45°C
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC
Combined Error: 0.03% Full scale
Insulation Resistance: 5000 megohms
Seal Type: Environmentally sealed
Cable Length: 35'/10.7 m, 75'/22.8 m (stainless steel only)
Cable Color Code: Green..... + Excitation
Black..... – Excitation
White ..... + Signal
Red..... – Signal
Yellow..... Shield
Warranty: 1-year limited warranty

JRT ORDER INFORMATION

Load Rating	Part #	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

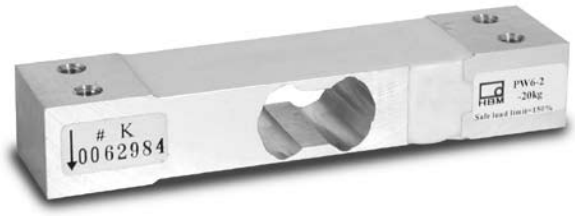
** RLWS or HBM does not guarantee complete immunity to potential damage caused by lightning or welding*

WEIGH MODULE AVAILABLE

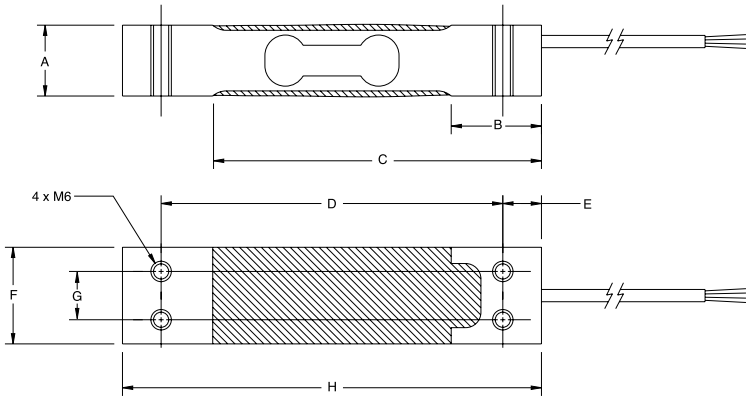
Model	Page #
TWM	60

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PW6K Single-Point, Aluminum, IP65



Picture is a representation of actual product



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 ± 10%
Bridge Resistance: 350 ohms
Material/Finish: Anodized aluminum
Temperature: Compensated range 14°F to 122°F/-10°C to 50°C
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Combined Error: ± .02
Insulation Resistance: 5000 megohms
Seal Type: Environmentally sealed, IP65
Cable Length: 355 mm
Cable Color Code: Blue .....+ Excitation
Black.....– Excitation
White .....+ Signal
Red.....– Signal
Warranty: 1-year limited warranty

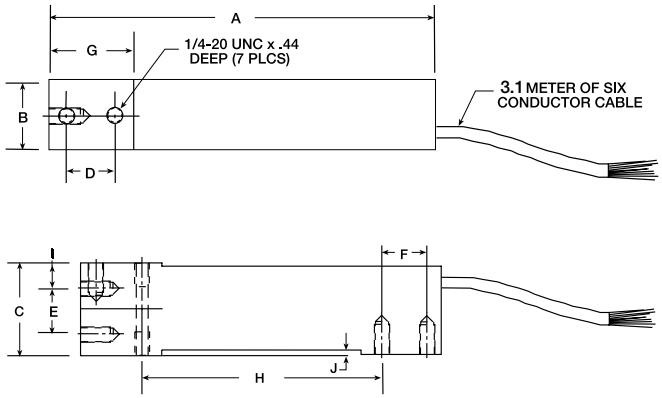
PW6K ORDER INFORMATION

Load Rating	Part #	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

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SP4 Single Point, Aluminum
NTEP 1:5000 Class III Single Cell





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I	J
kg/mm 7-100	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 DC (15V maximum)
Combined Error: 0.02% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 5-100 kg ≤ 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

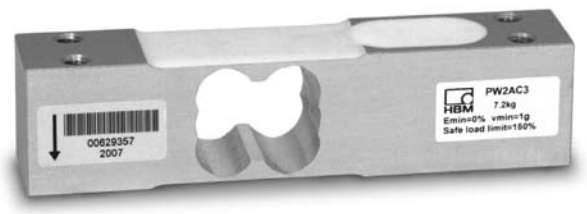
Load Rating	Part #	Price
7 kg (15.4 lb)	72764	$180.00
10 kg (22.1 lb)	72765	$180.00
15 kg (33.1 lb)	72767	$180.00
20 kg (44.1 lb)	72769	$180.00
30 kg (66.2 lb)	72771	$180.00
50 kg (110.3 lb)	72776	$180.00
75 kg (165.3 lb)	72777	$180.00
100 kg (220.5 lb)	72778	$180.00

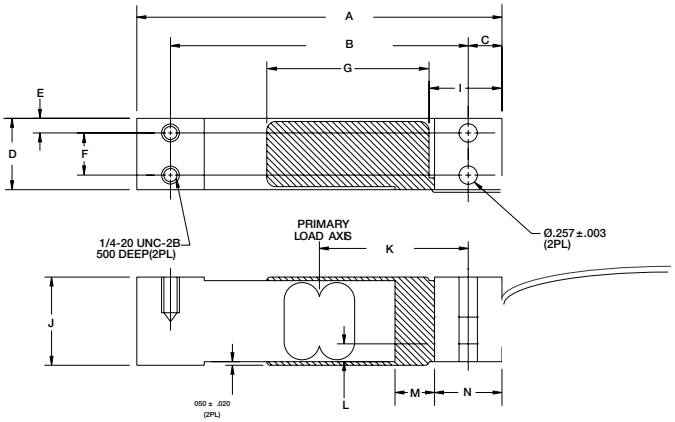
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 159) RL1042
Vishay Revere Transducers	(see page 285) 642
Vishay Tedea-Huntleigh	(see page 334) 1042

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PW2R Single Point, Aluminum, IP65





OIML

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	I	J	K	L	M	N
kg/mm 7.2-72kg	13.0	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 15.9/159	5.11	4.17	.47	1.00	.20	.59	2.04	1.02	1.23	2.08	.25	.55	.94

SPECIFICATIONS:

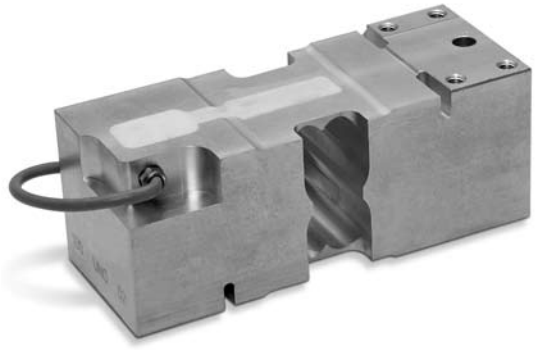
Full Scale Output: 2.4 mV/V
Bridge Resistance: 350 ohms
Material/Finish: Anodized aluminum
Temperature: Compensated range 14°F to 122°F/-10°C to 50°C
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Hysteresis: .009 Full scale
Nonlinearity: .009 Full scale
Insulation Resistance: 1 gigohms
Seal Type: Environmentally sealed, IP65
Cable Length: 354 mm
Cable Color Code: Green..... + Signal
Red..... – Excitation
Black..... + Excitation
White ..... – Signal
Warranty: 1-year limited warranty

PW2 ORDER INFORMATION

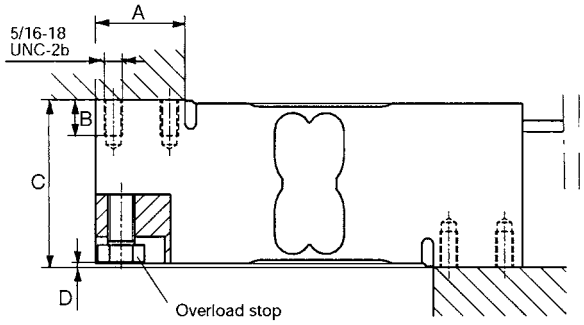
Load Rating	Part #	Price
7.2 kg (15.87 lb)	69352	$195.00
18 kg (39.68 lb)	69353	$195.00
36 kg (79.37 lb)	69354	$195.00
72 kg (158.73 lb)	69355	$195.00

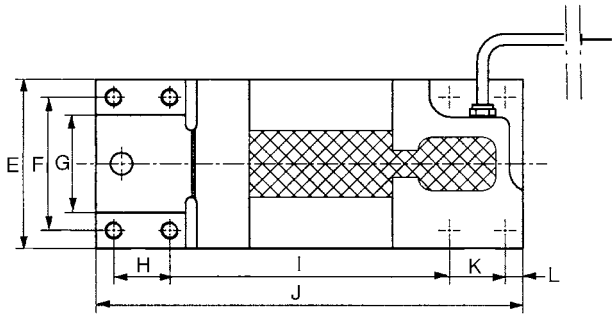
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PW12 Single Point, Aluminum
IP67, NTEP 1:5000 Class III Single Cell



Picture is a representation of actual product





RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I	J	K	L
kg/mm 50-1000	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 range 14°F to 104°F/-10°C to 40°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 #	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 165)	RL1250
Vishay Tedea-Huntleigh ..... (see page 344)	1250

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PW15 Single Point, Stainless Steel
IP67 1:5000 Class III Single Cell

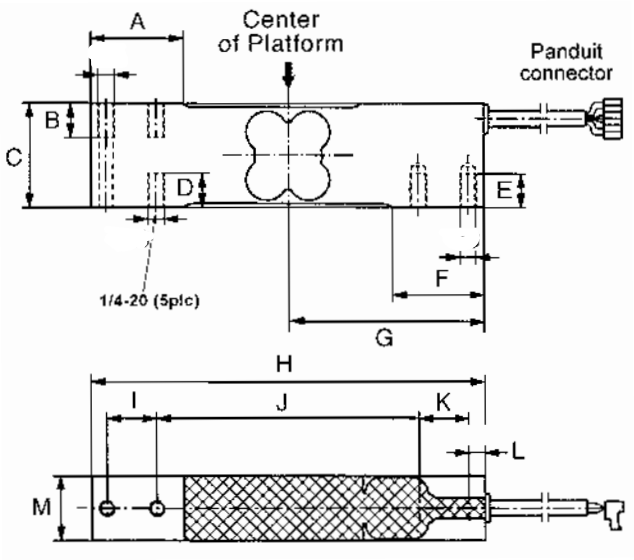
Expanded Capacity Range!



FM APPROVED

OIML Available

Picture is a representation of actual product



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:

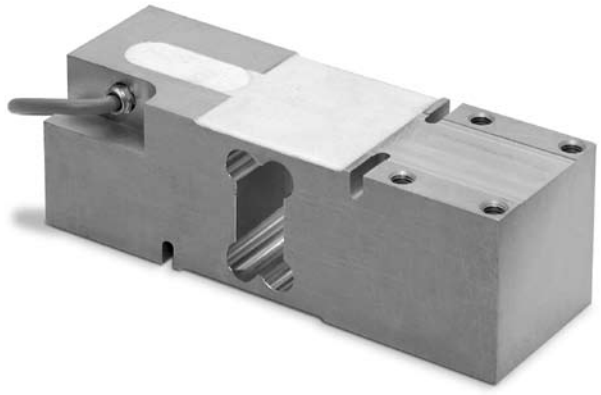
Full Scale Output:	**2.0 mV/V**
Bridge Resistance:	**350 ohms, nominal**
Material/Finish:	**Stainless steel**
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload:	150% Full scale
Rated Excitation:	10V DC (15V maximum)
Total Error:	0.02% Full scale
Insulation Resistance:	1000 megohms
Seal Type:	Environmentally sealed
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

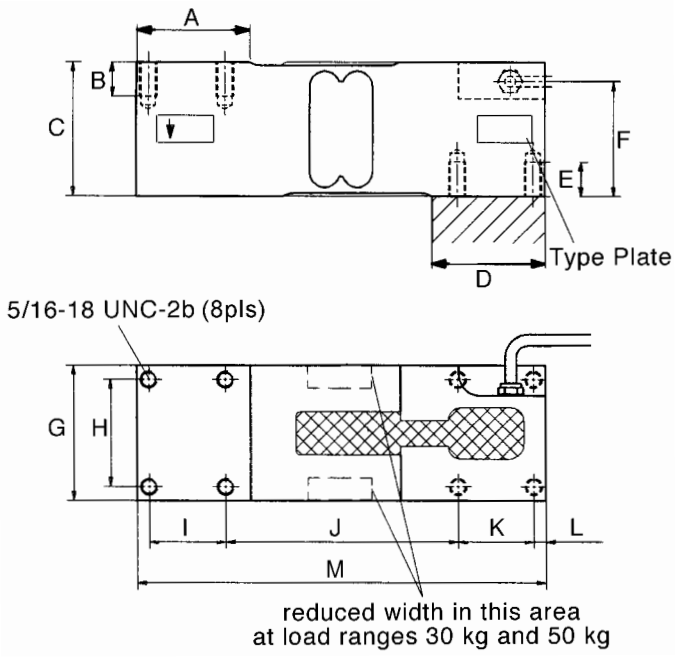
PW15 ORDER INFORMATION

Load Rating	Part #	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
150 kg (330.7 lb)	84820	$295.00

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PW16 Single Point, Aluminum
IP67, NTEP 1:5000 Class III Single Cell





FM NTEP OIML *Available* CE

Picture is a representation of actual product

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 range 14°F to 104°F/-10°C to 40°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

PW16 ORDER INFORMATION

Load Rating	Part #	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

**NTEP pending*

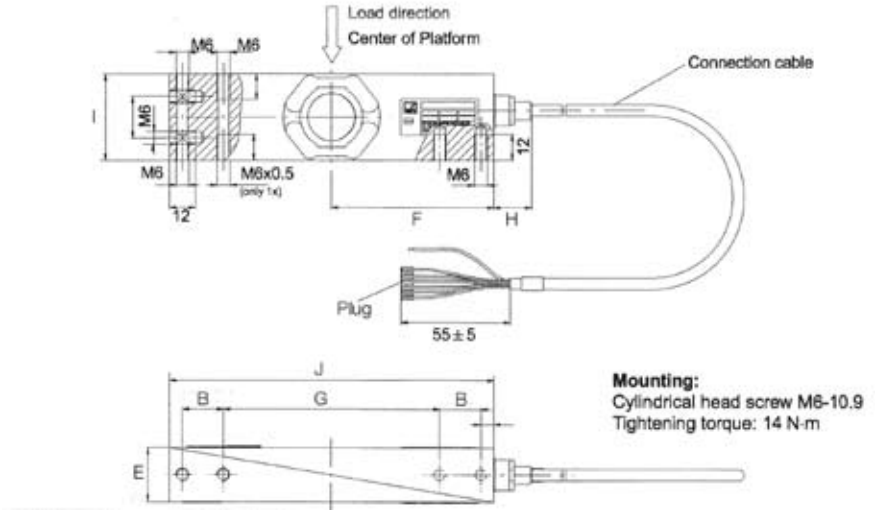
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 164)	RL1260
Vishay Tedea-Huntleigh ..... (see page 342)	1260

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PW15AH Single Point, Stainless Steel
IP69, C3





Available *Pending*

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS B	E	F	G	H	I	J	L
kg/mm 10-100	19	25	75	100	17.5	40	150	19
lb/inches 22/220.5	.75	.98	2.95	3.94	.69	1.57	5.91	.75

SPECIFICATIONS:

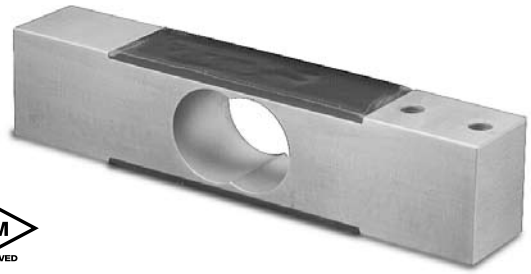
Full Scale Output:	**2.0 mV/V**
Bridge Resistance:	**350 ohms, nominal**
Material/Finish:	**Stainless Steel**
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload:	150% Full scale
Rated Excitation:	10V DC (15V maximum)
Total Error:	0.02% Full scale
Insulation Resistance:	1000 megohms
Seal Type:	Hermetically sealed, IP69
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

PW15AH ORDER INFORMATION

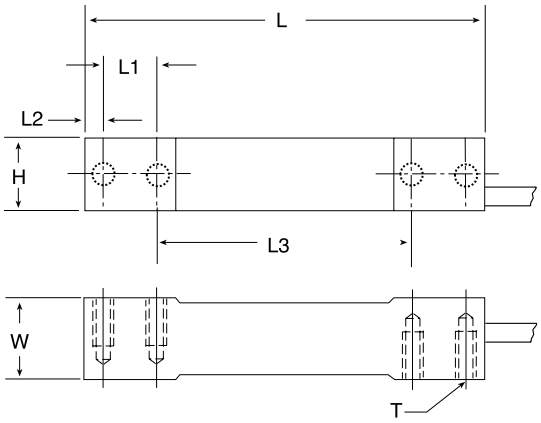
Load Rating	Part #	Price
10 kg (22.0 lb)	101915	$695.00
20 kg (44.1 lb)	101916	$695.00
50 kg (110.2 lb)	101917	$695.00
100 kg (220.5 lb)	101918	$695.00

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PWS/PWSM Single Point, Stainless Steel
NTEP 1:3000 Class III Single Cell, OIML C3, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS 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	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 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 #	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 162)	RL1380*

**Only up to 60 kg*

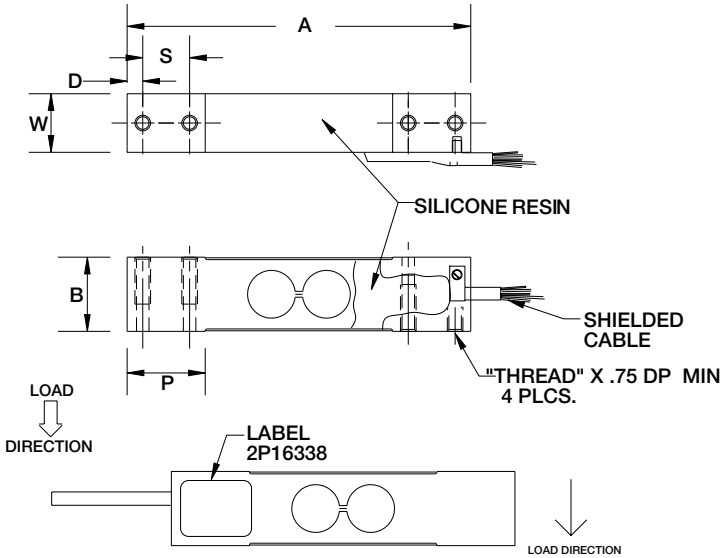


150 kg

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PWA Single Point, Aluminum, IP65





FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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

OBSOLETE

SPECIFICATIONS:

Full Scale Output: 1.8-2.1 mV/V
Bridge Resistance: 350 ohms
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 maximum)
Insulation Resistance: 5000 megohms
Seal Type: Environmentally sealed, IP65
Cable Length: 2.1 m/7' (7-30 kg)
3.3 m/11' (100-150 kg)
Cable Color Code: Green..... + Excitation
Black..... – Excitation
White ..... + Signal
Red..... – Signal
Yellow..... Shield
Warranty: 1-year limited warranty

PWA ORDER INFORMATION

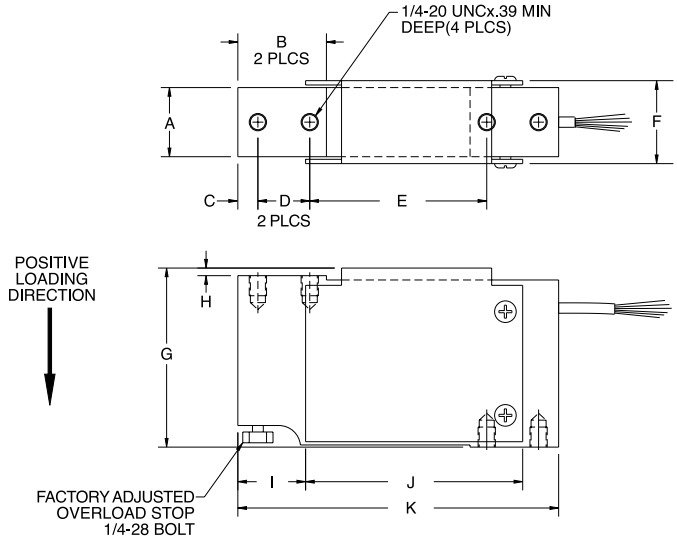
Load Rating	Part #	Price
7 kg (15.4 lb)	69335	$195.00
10 kg (22.0 lb)	69336	$195.00
15 kg (33.0 lb)	69337	$195.00
30 kg (66.1 lb)	69338	$195.00
60 kg (132.3 lb)	69339	$195.00
100 kg (220.5 lb)	69340	$195.00
150 kg (330.7 lb)	69341	$195.00

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SP10 Single Point, Aluminum, IP65



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I	J	K
kg/mm 3-30 kg	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	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 #	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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 154)	RL1010
Vishay Tedea-Huntleigh ..... (see page 332)	1010

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Notes:

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Compression Canisters

1200, Alloy Steel/Aluminum ..... Page 254



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 255



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.

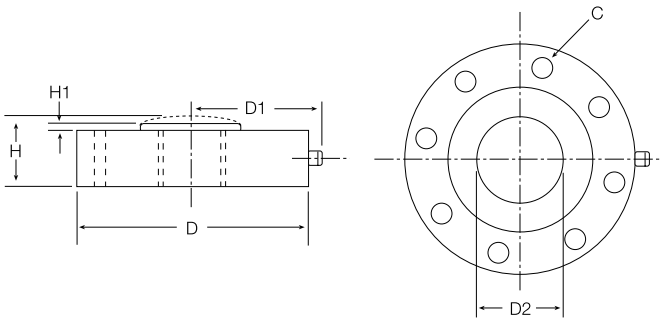
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1200 Series Compression Canister, Low Profile
Alloy Steel/Aluminum



Model 1211 shown

Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS C	D	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)

Bridge Resistance: 350 ohms, nominal

Material/Finish: 1000-2000 lb - Aluminum
5000-100,000 lb - Alloy steel

Temperature: Compensated range
15°F to 115°F/-9°C to 46°C

Safe Overload: 150% Full scale

Rated Excitation: 10V DC (20V maximum)

Nonlinearity: 0.05% Full scale

Hysteresis: 0.02-0.04% Full scale

Insulation Resistance: 5000 megohms

Seal Type: Environmentally sealed

Cable Length: 10'/3.1 m

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

Warranty: 2-year limited warranty

1200 ORDER INFORMATION

Load Rating	Part #	Price
Aluminum		
1000 lb (453.6 kg)	36132	$725.00
2000 lb (907.2 kg)	36133	$725.00
Alloy Steel		
5000 lb (2268.0 kg)	36134	$895.00
10,000 lb (4535.9 kg)	36135	$895.00
25,000 lb (11,339.8 kg)	36136	$975.00
50,000 lb (22,679.6 kg)	36137	$975.00
100,000 lb (45,359.2 kg)	36138	$1,850.00

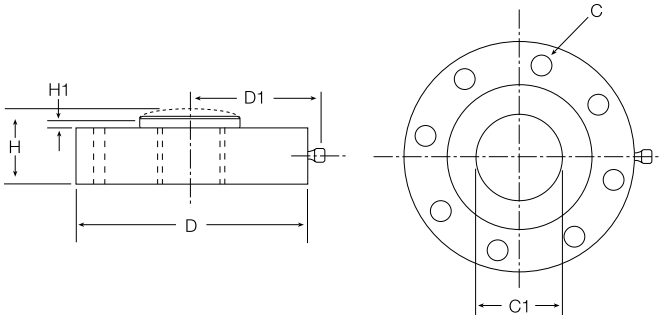
Consult factory for load cell bases

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3200 Compression Canister, Low Profile
Stainless Steel, Hermetically sealed, IP66/68



Model 3211 shown



Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS C	C1	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
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range 15°F to 115°F/-9°C to 46°C
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (20V maximum)
Nonlinearity: 0.05% Full scale
Hysteresis: 0.04% Full scale
Insulation Resistance: 5000 megohms
Seal Type: Hermetically sealed
Cable Length: 20'/6.1m
Cable Color Code: Red..... + Excitation
Black..... – Excitation
Green..... + Signal
White ..... – Signal
Warranty: 2-year limited warranty

3200 ORDER INFORMATION

Load Rating	Part #	Price
5000 lb (2268.0 kg)	36140	$1,095.00
10,000 lb (4535.9 kg)	36141	$1,095.00
25,000 lb (11,339.8 kg)	36142	$1,295.00
50,000 lb (22,679.6 kg)	36143	$1,295.00
100,000 lb (45,359.2 kg)	36144	$2,450.00

Consult factory for load cell bases

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S-Beams



363, Stainless Steel ..... Page 261

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.



9363, Stainless Steel ..... Page 262

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. Trimmed outputs makes installation easy.



BSP, Stainless Steel ..... Page 263

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). Integral 30'/9.2 m cable.

Single-Ended Beams



5123, Alloy Steel ..... Page 264

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). Supplies with a 20'/6.1 m cable.



9123, Stainless Steel ..... Page 265

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). Supplies with a 20'/6.1 m cable.



9523, Stainless Steel ..... Page 266

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 267

The Model 9102 is a form, fit and function for the RTI 5102. It's constructed of stainless steal 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.

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Single-Ended Beams (Continued)



5102, Alloy Steel ..... Page 268

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.



5723 Alloy Steel ..... Page 269

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).

Single-Ended Beams



SHB, Stainless Steel ..... Page 270

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 271

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 272

Designed for truck, track, and process weighing. High accuracy, low profile, tolerance to non-axial loading and redundant seal. NTEP certified 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 273

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.

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Double-Ended Beams (Continued)

5223 Alloy Steel ..... Page 274



Very high-performance end-loaded, center-supported double-ended beam designed for low-profile truck and truck 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). Complete with 40' of load cell cable. Optional overbraid available.

9223, Stainless Steel ..... Page 275



Very high-performance end-loaded, center-supported double-ended beam designed for low-profile truck and truck scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Capacities from 50,000 to 125,000 lb (22,679.6 to 56,699.1 kg). Supplied with 40' of load cell cable. Stainless alternative to the popular RTI model 5223.

Single-Ended Beams

9803, Stainless Steel ..... Page 276



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.

9323, Stainless Steel ..... Page 277



Very high-performance end-loaded, center-supported double-ended beam designed for low-profile truck and truck scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Available in 50,000 and 60,000 lb and 75,000 lb capacities (22,679.6, 27,483.5 kg and 34,019.4 kg) with 30' of load cell cable.

9423, Stainless Steel ..... Page 278



Very high-performance end-loaded, center-supported double-ended beam designed for low-profile truck and truck scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Available in 50,000 and 60,000 lb (22,679.6 to 27,483.5 kg). Complete with 30' of load cell cable.

Compression Canisters

RLC, Stainless Steel ..... Page 279



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)

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Compression Canisters (Continued)



CP, Stainless Steel ..... Page 280

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 to 500,000 lb (4535.9 to 226,796.2 kg). Integral 30'/9.2 m cable.



CSP, Alloy Steel ..... Page 281

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 282

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 500,000 to 200,000 lb (22,679.6 to 90,718.5 kg). Compact and rugged.

Single-Ended Beams



92, Alloy Steel ..... Page 283

High-profile, high accuracy compression type load cell for truck, tank, track and hopper applications. Ideally suited for harsh environments. Available in 50K and 100K capacities. Each cell comes with 10' (3.1M) of cable. 50,000 lb (22,679.6 kg) and 100,000 (45,359.2 kg) capacities

Tension/Compression Canisters



USP1, Alloy Steel ..... Page 284

Welded-steel 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.

OBSOLETE

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Single Points



642, Aluminum ..... Page 285

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). Includes 10'/3.1 m of load cell cable.



652, Aluminum ..... Page 286

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 287

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 288

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 289

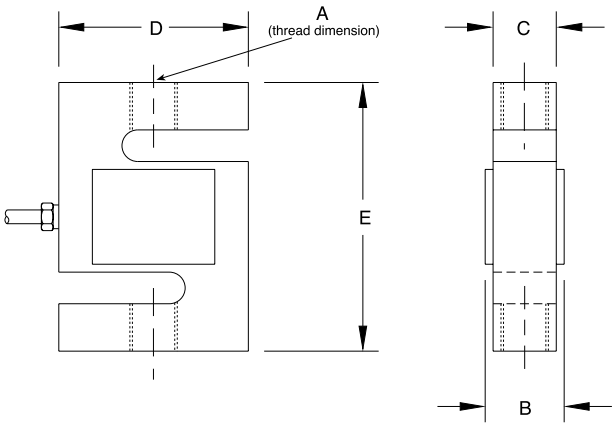
Metric envelope. Low-profile single-point load cell designed for bench scale and checkweigher applications in caustic/acidic environments. Insensitive to off-center loading. Tolerates most severe washdowns. Capacity of 6 kg (13.2 lb). Includes 10'/3.1 m of load cell cable.

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363 S-Beam, Alloy Steel
NTEP 1:10,000 Class IIIL Single Cell, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E
lb/inches					
50-300	1/4-28 UNF-2B	.65	.50	2.00	2.50
500-1500	1/2-20 UNF-2B	.90	.75	2.00	2.50
2000	1/2-20 UNF-2B	1.15	1.00	2.00	2.50
3000	1/2-20 UNF-2B	1.15	1.00	3.00	4.00
5000-10,000	3/4-16 UNF-2B	1.15	1.00	3.00	4.00
kg/mm					
22.7-136.1	1/4-28 UNF-2B	16.5	12.7	50.8	63.5
226.8-680.4	1/2-20 UNF-2B	22.9	19.1	50.8	63.5
907.2	1/2-20 UNF-2B	29.2	25.4	50.8	63.5
1360.8	1/2-20 UNF-2B	29.2	25.4	76.2	101.6
2268.0-4535.9	3/4-16 UNF-2B	29.2	25.4	76.2	101.6

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: 363-B10-XX-20P1 (NTEP)
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
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: 1-year limited warranty

363 ORDER INFORMATION

Load Rating	Part #	Price
NTEP 1:10,000		
100 lb (45.4 kg)	21463	$295.00
200 lb (90.7 kg)	21464	$295.00
300 lb (136.1 kg)	21465	$295.00
500 lb (226.8 kg)	21466	$295.00
750 lb (340.2 kg)	21467	$295.00
1000 b (453.6 kg)	21468	$295.00
1500 lb (680.4 kg)	21469	$295.00
2000 lb (907.2 kg)	21470	$295.00
3000 lb (1360.8 kg)	21471	$295.00
5000 lb (2268.0 kg)	21472	$465.00
10,000 lb (4535.9 kg)	21473	$465.00
Non-NTEP		
50 lb (22.7 kg)	17043	$295.00

INTERCHANGEABLE PRODUCTS

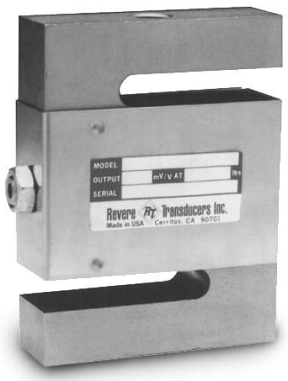
Manufacturer	Model
Rice Lake Weighing Systems	(see page 104) RL20000

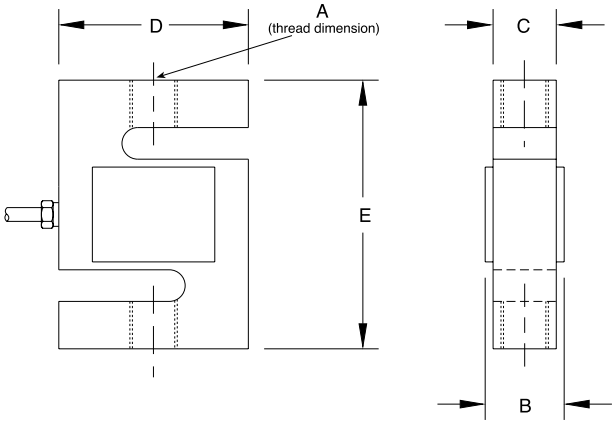
WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	357

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9363 S-Beam, Stainless Steel
NTEP 1:10,000 Class IIIL Single Cell, IP67





Picture is a representation of actual product

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
2000-2500	1/2-20 UNF-2B	1.13	96	2.00	2.40
3000	1/2-20 UNF-2B	1.13	.96	3.00	3.90
5000	3/4-16 UNF-2B	1.13	.96	3.00	3.90
10,000	3/4-16 UNF-2B	1.63	1.21	2.94	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-20T1 (NTEP) 9363-D3-XX-20T1 (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: 1-year limited warranty

9363 ORDER INFORMATION

Load Rating	Part #	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
2500 lb (1134.0 kg)	98875	$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

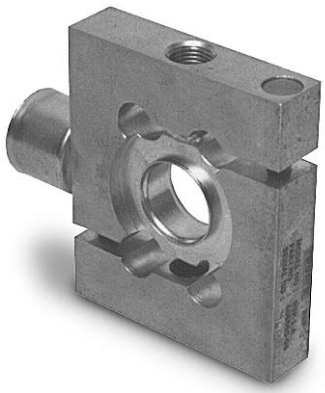
Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 105)	RL20000 SS
Rice Lake Weighing Systems ..... (see page 106)	RL20000 ST

WEIGH MODULE AVAILABLE

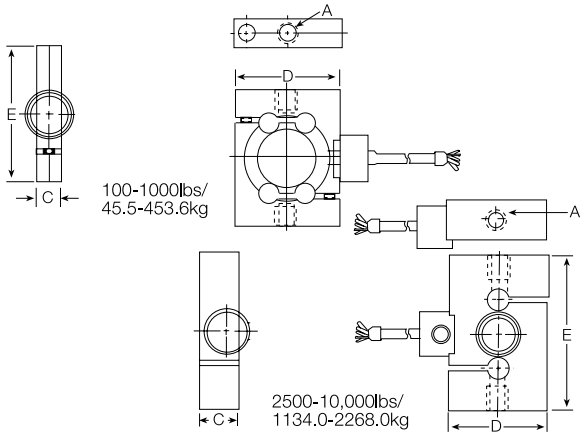
Model	Page #
ITCM Isolated Tension Cell Mount	357

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BSP S-Beam, Stainless Steel
Welded-seal, IP67, NTEP 1:10,000 Class IIIL Single Cell



Picture is a representation of actual product



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	2.44	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
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: BSP-D3-XX-30P5 (Non-NTEP) BSP-B10-XX-30P5 (NTEP)
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
Seal Type: Welded-seal, IP67
Cable Length: 30'/9.2 m
Cable Color Code: Green.....+ Excitation
Black.....– Excitation
White .....+ Signal
Red.....– Signal
Warranty: 1-year limited warranty

BSP ORDER INFORMATION

Load Rating		Part #	Price
100 lb	(45.4 kg)	21447	$725.00
250 lb	(113.4 kg)	21448	$725.00
500 lb	(226.8 kg)	21449	$725.00
1000 lb	(453.6 kg)	21450	$725.00
2500 lb	(1134.0 kg)	21451	$750.00
5000 lb	(2268.0 kg)	21452	$775.00
Non-NTEP			
10,000 lb	(4535.9 kg)	17032	$775.00

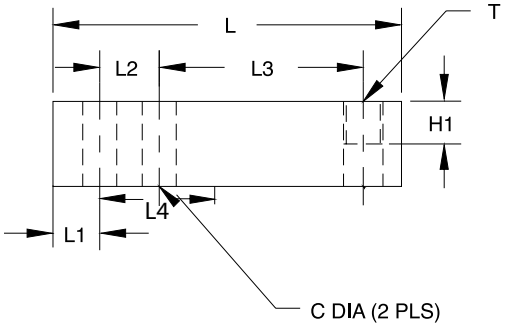
WEIGH MODULE AVAILABLE

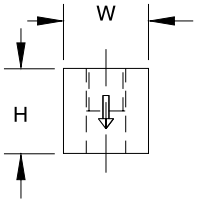
Model	Page #
ITCM Isolated Tension Cell Mount	357

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5123 Single-Ended Beam, Alloy Steel
NTEP 1:5000 Class III Multiple Cell, IP67







Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS C	C1	H	H1	L	L1	L2	L3	L4	T	W
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 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: 1-year limited warranty

5123 ORDER INFORMATION

Load Rating	Part #	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 110)	RL30000
Vishay Tedea-Huntleigh ..... (see page 327)	3411
Artech	30310

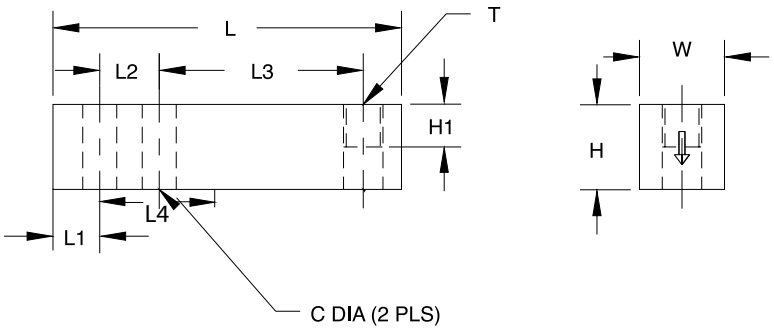
WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	32
RL1800 Series	44

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9123 Single-Ended Beam, Stainless Steel
NTEP 1:5000 Class III Multiple Cell, IP67





Picture is a representation of actual product

RATED CAPACITY	C	H	H1	L	DIMENSIONS L2	L3	T	W	Y
lb/inches									
250-5000 SE	.53	1.23	.67	5.12	1.00	3.00	1/2-20 UNF-2B	1.23	
5000-15,000	.78	1.45	.70	6.75	1.50	3.75	3/4-16 UNF-2B	1.50	
20,000	1.06	1.95	.98	8.75	2.00	4.75	1-12 UNF-2B	1.95	
kg/mm									
453.6-1814.4	13.5	31.2	15.8	130.1	25.4	76.2	1/2-20 UNF-2B	31.2	
2268.0-6804.0	19.8	38.1	19.1	171.5	38.1	95.3	3/4-16 UNF-2B	38.1	
9072	26.9	49.5	24.8	222.2	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 Model Number: 9123-A5-XX-20P1
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
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: 1-year limited warranty

9123 ORDER INFORMATION

Load Rating		Part #	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 112) RL39123*
HBM	(see page 232) B35

WEIGH MODULE AVAILABLE

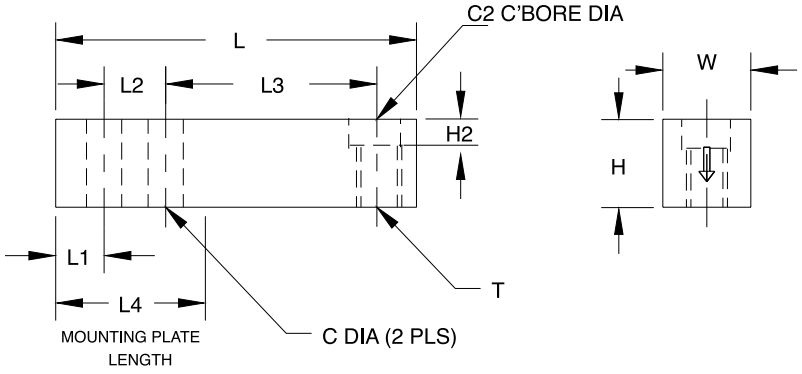
Model	Page #
RL50210 TA	32
RL1800 Series	44

** Non-NTEP*

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9523 Single-Ended Beam, Stainless Steel
Welded-seal, IP67





FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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 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 = .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: 1-year limited warranty

9523 ORDER INFORMATION

Load Rating	Part #	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 120) RL39523**

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

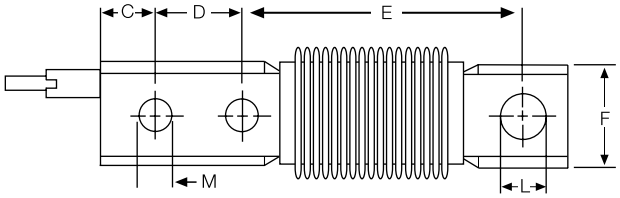
*** Has non-counterbored load hole*

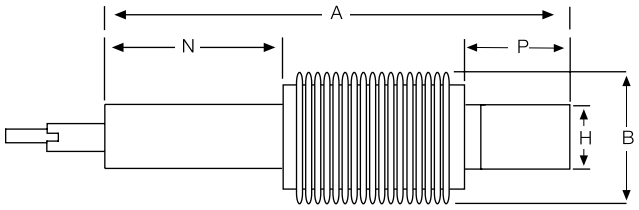
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9102 Single-Ended Beam, Stainless Steel
Welded-seal, NTEP 1:5000 Class III, IP66/68



Picture is a representation of actual product





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: 1-year limited warranty

9102 ORDER INFORMATION

Load Rating	Part #	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

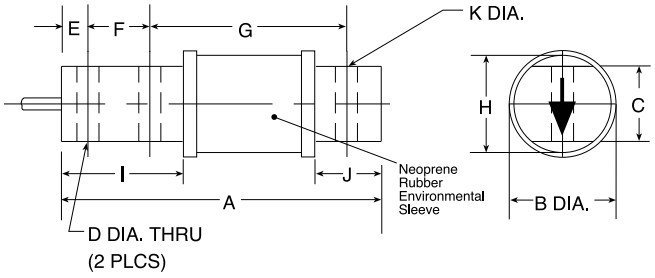
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Revere Transducers	(see page 268) 5102

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5102 Single-Ended Beam, Alloy Steel, IP67





FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I	J	K
lb/inches											
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: 1-year limited warranty

5102 ORDER INFORMATION

Load Rating	Part #	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

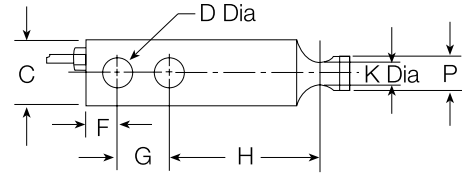
Manufacturer	Model
Revere Transducers	(see page 267) 9102

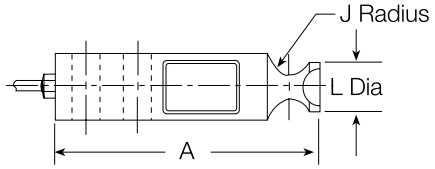
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5723 Link Beam, Alloy Steel
NTEP 1:5000 III Class III, Multiple Cell, IP67



Picture is a representation of actual product





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
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
Manufacturer Model Number: 5723-A5-XX-20P1
Safe Overload: 150% Full scale
Rated Excitation: 10V AC/DC (15V maximum)
Non-repeatability: 0.01% Full scale
Combined Error: 0.02% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 1000 lb = .016"/.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: 1-year limited warranty

5723 ORDER INFORMATION

Load Rating		Part #	Price
1000 lb	(453.6 kg)	31396	$295.00
1500 lb	(680.4 kg)	79713	$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
7500 lb	(3401.9 kg)	85306	$450.00
10,000 lb	(4535.9 kg)	31400	$450.00

INTERCHANGEABLE PRODUCTS

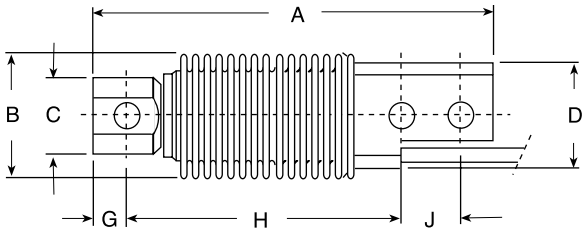
Manufacturer	Model
Artech	30410

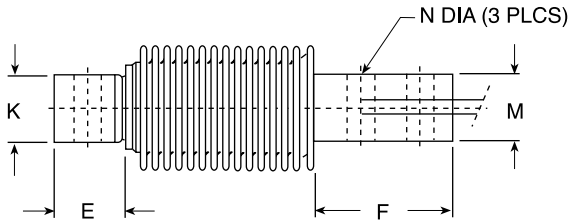
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SHB Single-Ended Beam, Stainless Steel
Welded-seal, IP67, NTEP 10:000 IIIL Single Cell



Picture is a representation of actual product





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-B10-XX-10P5
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Combined Error: 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: 1-year limited warranty

SHB ORDER INFORMATION

Load Rating	Part #	Price
NTEP 1:3000		
20 kg (44.1 lb)	28801	$430.00
50 kg (110.2 b)	28802	$430.00
100 kg (220.5 lb)	28803	$430.00
200 kg (440.9 lb)	28804	$430.00

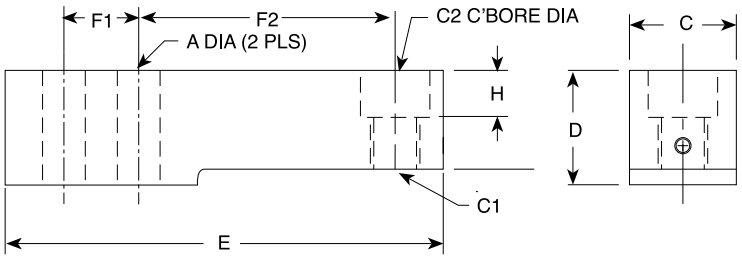
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 130) RLHBB
Vishay Celtron	(see page 190) HBB
HBM	(see page 239) Z6
Vishay Tedea-Huntleigh	(see page 330) 355

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SSB Single-Ended Beam, Stainless Steel
Welded-seal, IP67, NTEP 1:10,000 Class IIIL Single Cell





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	C	C1	C2	D	E	F1	F2	H
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-B10-XX-15P5
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: 1000-10,000 lb = .018"/.45 mm,
Seal Type: Welded-seal*, IP67
Cable Length: 15'/4.6 m
Cable Color Code: Green..... + Excitation
Black..... – Excitation
White ..... + Signal
Red..... – Signal
Clear ..... Shield
Warranty: 1-year limited warranty

SSB ORDER INFORMATION

Load Rating	Part #	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 maitain warranty)**

3/8-24 Nipple	31533*	27.00
3/8-24 to 1/4-18 NPT	31534*	27.00

** 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 123) RLSSB
HBM	(see page 238) SB3

WEIGH MODULE AVAILABLE

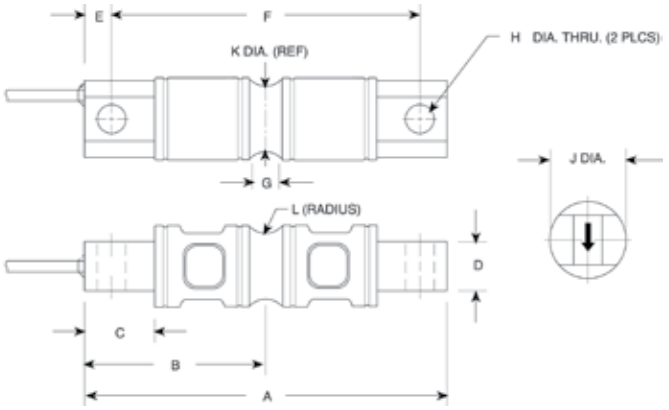
Model	Page #
RL1900 Series	46

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5103 Double-Ended Beam, Alloy Steel
NTEP 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product



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	2.80	.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
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: 5103-B10-XX-30P1
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Non-repeatability: 0.01% Full scale
Combined Error: 0.025% Full scale
Insulation Resistance: 5000 megohms
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
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: 1-year limited warranty

5103 ORDER INFORMATION

Load Rating	Part #	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
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 135)	RL70000

WEIGH MODULE AVAILABLE

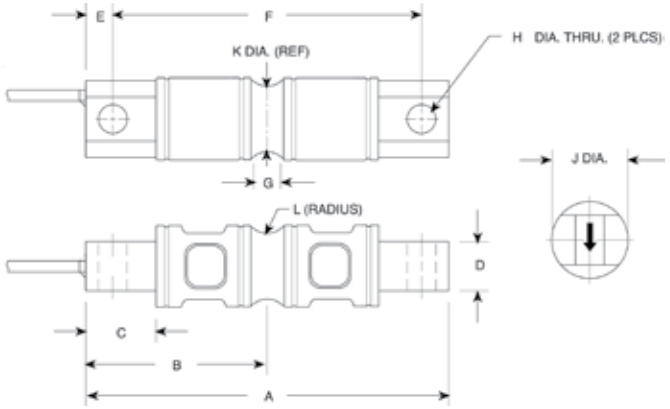
Model	Page #
EZ Mount 1	62

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9103 Double-Ended Beam, Stainless Steel
NTEP 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product



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	1.70	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	2.80	.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	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 DC (15V max)
Non-repeatability: 0.02% Full scale
Combined Error: 0.03% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 5000 lb = .02"/.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
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: 1-year limited warranty

9103 ORDER INFORMATION

Rated Capacity		Part #	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	$750.00
150,000 lb	(68,038.9 kg)	17336	$1,875.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 136)	RL70000 SS
Rice Lake Weighing Systems ..... (see page 137)	RL71000 HE

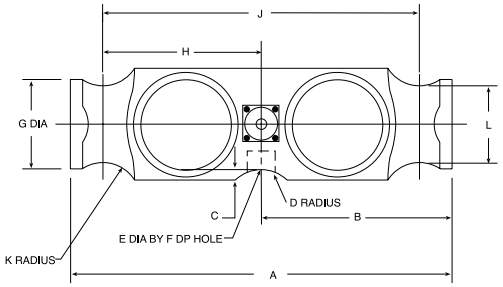
WEIGH MODULE AVAILABLE

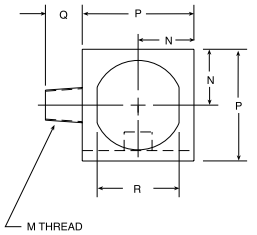
Model	Page #
EZ Mount 1	62

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5223 Link Beam, Alloy Steel
Welded-seal*, NTEP 1:10,000 Class IIIL Multiple Cell, IP67







Picture is a representation of actual product

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	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-40PI /5223-B10-XX-40RP (Overbraid cable)
Safe Overload: 150% Full scale
Rated Excitation: 10V 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: 1-year limited warranty

5223 ORDER INFORMATION

Load Rating	Part #	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

Overbraid Cable	Part #	Price
50,000 lb (22,679.6 kg)	101121	$895.00
65,000 lb (29,483.5 kg)	101122	$895.00
100,000 lb (45,359.2 kg)	101123	$1,295.00

** 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 143)	RL75223
Thurman®	TSC 800

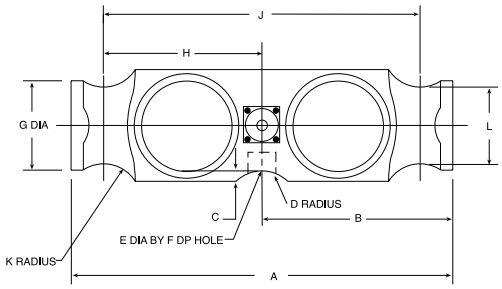
WEIGH MODULE AVAILABLE

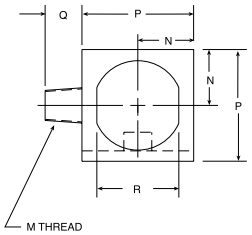
Model	Page #
Translink™	84

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9223 Link Beam, Stainless Steel
NTEP 1:10,000 Class IIIL Multiple Cell, IP67







Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
lb/inches																
50,000-125,000	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	2.94	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: Stainless steel
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
Manufacturer Model Number: 9223-B10-XX-40F1 (1:10,000)
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (20V maximum)
Non-repeatability: 0.01% Full scale
Combined Error: 0.02% 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: Environmentally sealed, IP67
Cable Length: 40'/12.2 m
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Orange.... Shield
Warranty: 1-year limited warranty

5223 ORDER INFORMATION

Load Rating	Part #	Price
50,000 lb (22,679.6 kg)	84150	$920.00
65,000 lb (29,483.5 kg)	84151	$920.00
100,000 lb (45,359.2 kg)	84152	$1,280.00
125,000 lb (56,699.1 kg)	84153	$1,280.00

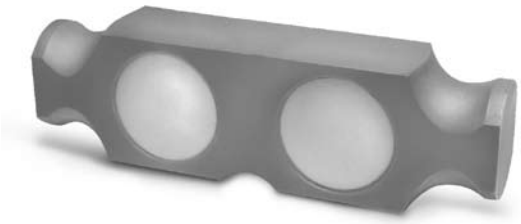
** Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry*

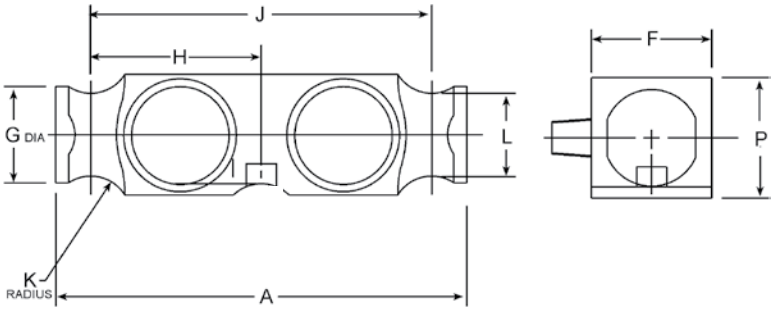
WEIGH MODULE AVAILABLE

Model	Page #
Translink™	84

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9803 Link Beam, Stainless Steel
NTEP 1:10,000 Class IIIL Multiple Cell, IP67





Picture is a representation of actual product

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 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: 1-year limited warranty

9803 ORDER INFORMATION

Load Rating	Part #	Price
50,000 lb (22,679.6 kg)	69489	$920.00
65,000 lb (29,483.5 kg)	69490	$920.00

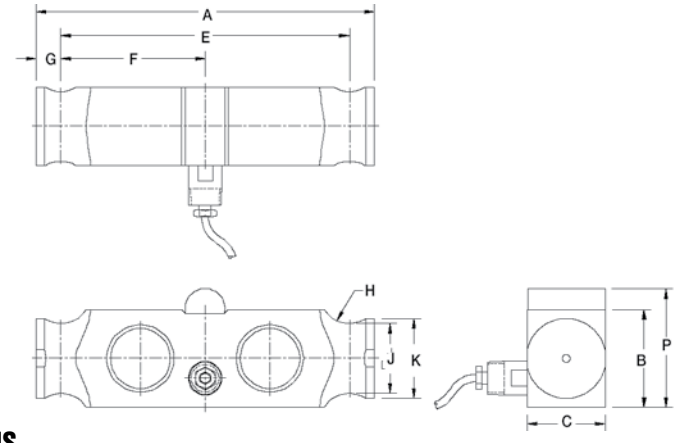
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
NV Technology	BLC-2-XX-N
Thurman®	10088970A-50K

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9323 Link Beam, Stainless Steel
NTEP 1:10,000 Class IIIL Multiple Cell, IP67





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	J	K	N	P	Q
lb/inches 50,000-75,000	8.50	2.45	1.95	3.23	7.25	3.63	0.63	0.75	1.75	2.00	0.73	3.00	0.50
kg/mm 50,000-75,000	21.6	62.2	50.0	82.0	184.2	92.2	16.0	19.1	44.5	50.8	18.5	76.2	12.7

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: 9323-B10 XX-30PI
Safe Overload: 150% Full Scale
Rated Excitation: 10V DC (15V max)
Non-repeatability: 0.01% Full Scale
Combined Error: 0.02% Full Scale
Insulation Resistance: 5000 megohms
Seal Type: Environmentally sealed, IP67
Cable Length: 30'
Cable Color Code: Red.....-Exc
Black....-Exc
Green...+Sig
White ...-Sig
Warranty: 1-year limited warranty

9323 ORDER INFORMATION

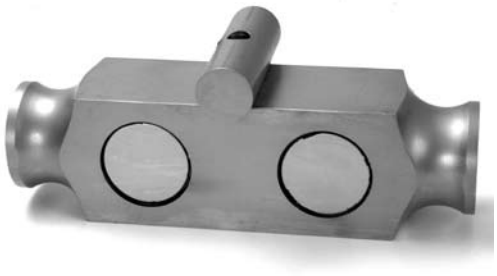
Load Rating	Part #	Price
50,000 lb (22,679.6 kg)	84156	$835.00
60,000 lb (29,483.5 kg)	84157	$835.00
75,000 lb (34,019.4 kg)	84158	$835.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
NV Technology	BLC-1-N-WP

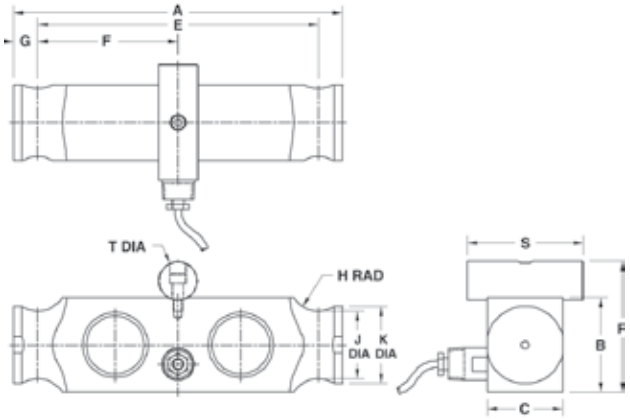
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9423 Link Beam, Stainless Steel
NTEP 1:10,000 Class IIIL Multiple Cell, IP67



FM APPROVED

Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	F	G	H	J	K	L	P	S	T
lb/inches 50,000-65,000	8.50	1.95	2.00	3.62	7.25	0.75	1.75	2.45	3.00	1.00
kg/mm 50,000-65,000	215.9	49.53	50.80	91.95	184.15	19.05	44.45	62.23	76.20	25.4

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: 9423-B10-XX-30P1
Safe Overload: 150% Full scale
Rated Excitation: 10V 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: 1-year limited warranty

9803 ORDER INFORMATION

Load Rating	Part #	Price
50,000 lb (22,679.6 kg)	79711	$900.00
60,000 lb (29,483.5 kg)	79712	$950.00

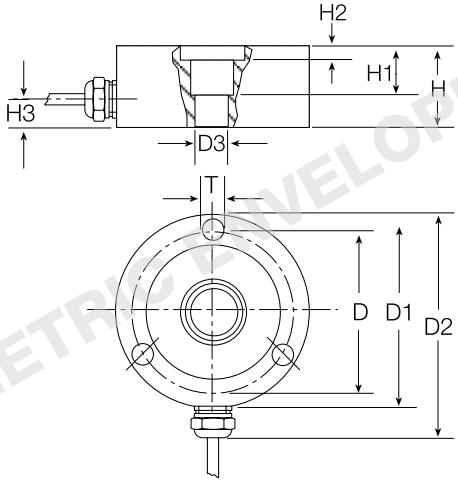
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
NV Technology	BLC-1-N

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RLC Compression Canister, Stainless Steel
NTEP 1:10,000 Class IIIL, Hermetically-sealed, IP66/68





METRIC ENVELOPE

(Available upon request)

Picture is a representation of actual product

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: 10V 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: 1-year limited warranty

RLC ORDER INFORMATION

Load Rating	Part #	Price
500 kg (1102.3 lb)	36190	$625.00
1000 kg (2204.6 lb)	36191	$625.00
2000 kg (4409.2 lb)	36192	$625.00
3500 kg (7717.5 lb)	36193	$625.00
5000 kg (11,023.1 lb)	36194	$625.00

WEIGH MODULE AVAILABLE

Model	Page #
RLC	56

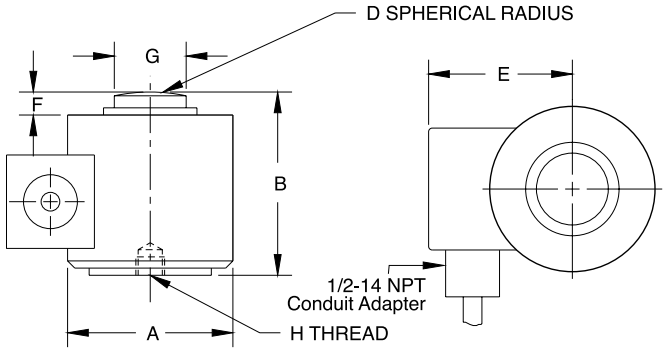
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CP Compression Canister, Stainless Steel
Welded-seal, IP68



FM APPROVED

Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	D	E	F	G	H	DEPTH OF H
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 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: 1-year limited warranty

CP ORDER INFORMATION

Load Rating		Part #	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

Note: The model CP is the same as the RTI CPI

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Artech	90210
Cardinal®	CP1
Howe Richardson®	20908XXX
Revere Transducers	392B
Streeter Amet	3753070, 3752030, 3752040, 3751940

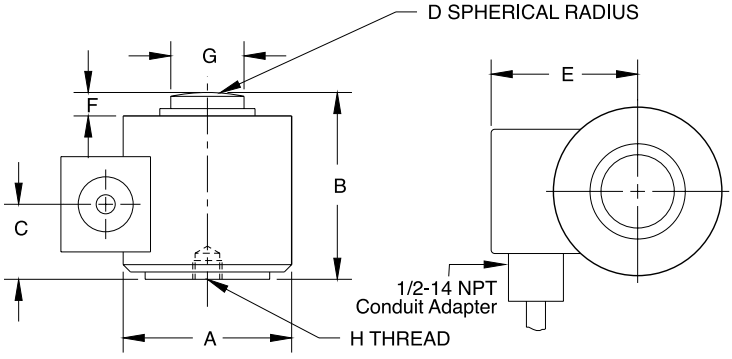
WEIGH MODULE AVAILABLE

Model	Page #
MagnaMount®	88

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CSP Compression Canister, Stainless Steel
Welded-seal, IP68, NTEP 1:10,000 Class IIIL Multiple Cell





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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 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: 1-year limited warranty

CSP ORDER INFORMATION

Load Rating	Part #	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*

Note: The model CSP is the same as the RTI CSPI

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 146)	RLCSP1†
Artech	90310†
Howe Richardson®	244699-000X†
Revere Transducers	692B†
Streeter Amet.	3760XXX

WEIGH MODULE AVAILABLE

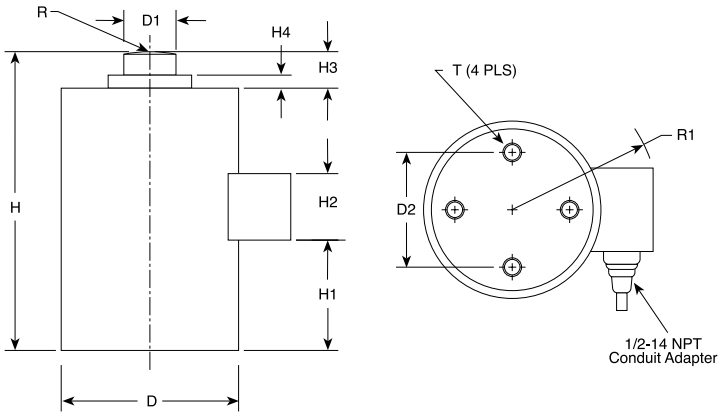
Model	Page #
MagnaMount®	88

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792 Compression Canister, Stainless Steel
Welded-seal, IP68, NTEP 1:10,000 Class IIIL Multiple Cell



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS 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: 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 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: 1-year limited warranty

792 ORDER INFORMATION

Load Rating		Part #	Price
50,000 lb	(22,679.6 kg)	31307	$1,700.00
100,000 lb	(45,359.2 kg)	31306	$1,700.00
200,000 lb	(90,718.5 kg)	31305	$2,300.00

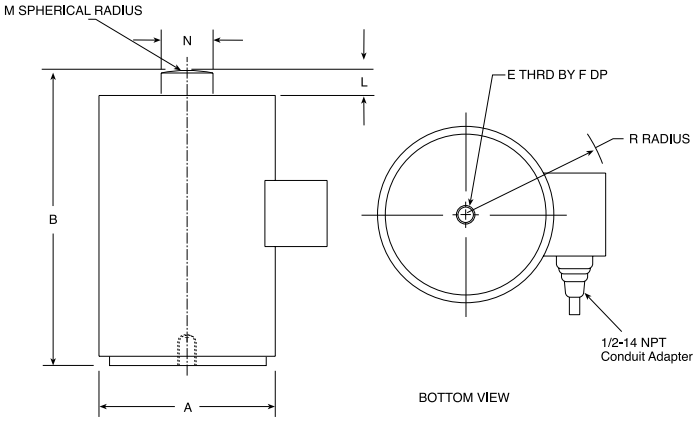
INTERCHANGEABLE INFORMATION

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 149)	RL8C2P1SS
Artech	90405

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92 Compression Canister, Alloy Steel
Welded-seal, IP68





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	E	F	L	M	N	R
lb/inches								
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
kg/mm								
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

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 DC (15V maximum)
Non-repeatability: 0.01% Full scale
Combined Error: 0.05% Full scale
Insulation Resistance: 5000 megohms

Deflection at Capacity: 50,000 lb = .004"/.102 mm, 100,000 lb = .006"/.152 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: 1-year limited warranty

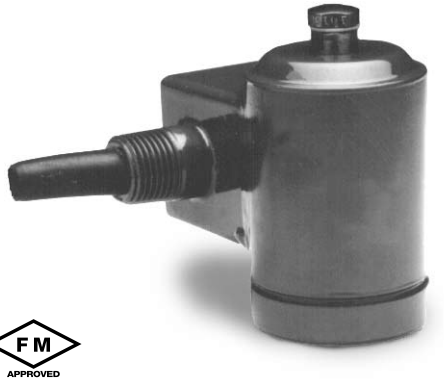
92 ORDER INFORMATION

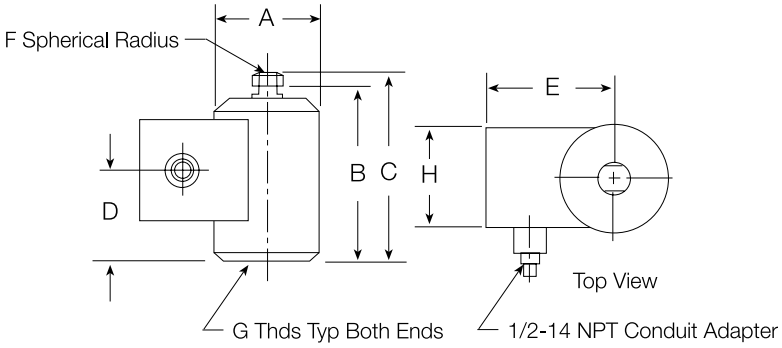
Load Rating	Part #	Price
50,000 lb (22,679.6 kg)	17642	$1,480.00
100,000 lb (45,359.2 kg)	17643	$1,480.00

**Obsolete*

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USP1 Tension/Compression Super Precision Canister
Alloy Steel, Welded-seal, IP68





Picture is a representation of actual product

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

OBSOLETE

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 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: 1-year limited warranty

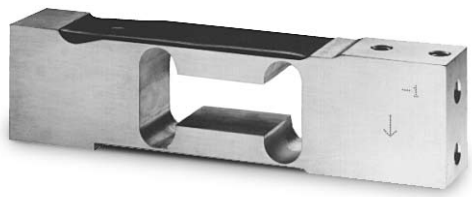
USP1 ORDER INFORMATION

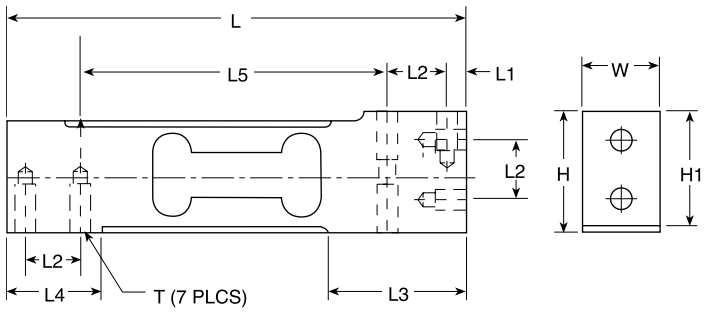
Load Rating	Part #	Price
*100 lb (45.4 kg)	17600	$2,080.00
*250 lb (113.4 kg)	17601	$2,080.00
*500 lb (226.8 kg)	17602	$2,080.00
*1000 lb (453.6 kg)	17603	$2,080.00
*2500 lb (1134.0 kg)	17604	$2,080.00
5000 lb (2268.0 kg)	17605	$2,480.00
10,000 lb (4535.9 kg)	17606	$2,480.00
25,000 lb (11,339.8 kg)	17607	$3,080.00
50,000 lb (22,679.6 kg)	17608	$4,120.00

** Load button is supplied with load cell*

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642 Single Point, Aluminum
NTEP 1:5000 Class III Single Cell, IP67





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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 Model Number: 642-A5-XX-3MP2 (NTEP)
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
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 #	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

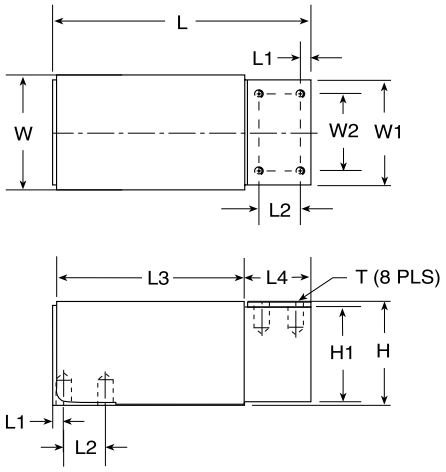
Manufacturer	Model
Vishay Tedea-Huntleigh	(see page 336) 1040
HBM	(see page 243) SP4
Rice Lake Weighing Systems	(see page 159) RL1042
Rice Lake Weighing Systems	(see page 156) RLSP4

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652 Potted Single Point, Aluminum
NTEP 1:5000 Class III Single Cell, IP65



Picture is a representation of actual product



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 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 #	Price
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

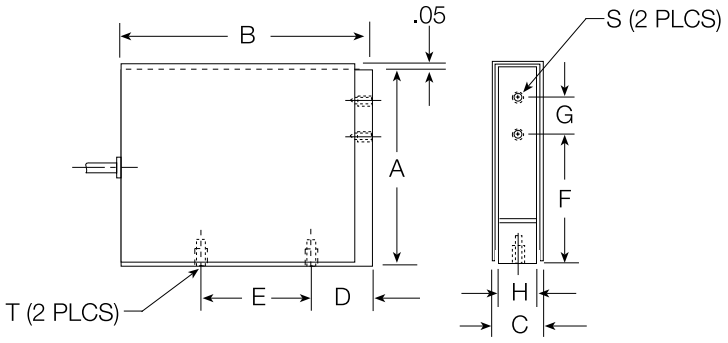
Manufacturer	Model
Rice Lake Weighing Systems	(see page 165) RL1250
Vishay Celtron	(see page 197) LOC
Vishay Tedea-Huntleigh	(see page 344) 1250
Flintec	(see page 218) PCB*

** Stainless steel, hermetically-sealed*

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462 Single Point, Alloy Steel, IP67





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	T	S
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
Bridge Resistance: 350 ohms, nominal
Material/Finish: Alloy steel with stainless steel cover
Temperature: Compensated range 0°F to 150°F/-18°C to 65°C
Manufacturer Model Number: 462-D3-XX-10P1
Safe Overload: 150% Full scale
Rated Excitation: 10V DC nominal (15V maximum)
Combined Error: 0.03% Full scale
Non-repeatability: 0.01% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 2-20 lb = .06"/1.5mm, 50-250 lb = .04"/1.0mm
Seal Type: Environmentally sealed, IP67
Cable Length: 10'/3.1 m
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Orange.... Shield
Warranty: 1-year limited warranty

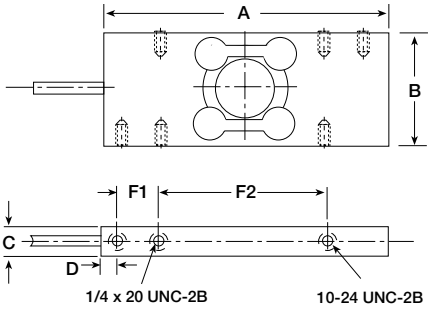
462 ORDER INFORMATION

Load Rating	Part #	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

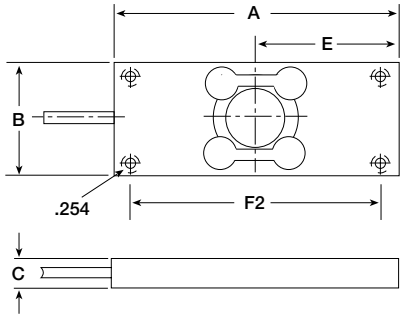
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HPS Single Point, Stainless Steel
Welded-seal, IP67





HPS (25-100 LBS)



HPS (6 KGS)

FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F1	F2
lb/inches							
6 kg	5.0	1.98	.73	–	2.5	–	4.25
25-50	5.0	1.97	.73	.25	–	.75	3.0
100	5.0	1.87	.94	.25	–	.75	3.0
kg/lb/mm							
6.0 kg	127.0	50.2	18.5	–	63.5	–	107.9
25-50 lb	127.0	50.2	18.5	6.3	–	19.0	76.2
100 lb	127.0	46.2	23.8	6.3	–	19.0	76.2

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V – (25-100 lb)
2.0 mV/V – (6 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: 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: 1-year limited warranty

HPS ORDER INFORMATION

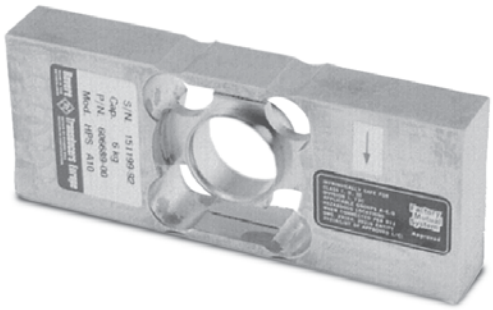
Load Rating	Part #	Price
6 kg (13.2 lb)	22335	$615.00
25 lb (11.3 kg)	17406	$615.00
50 lb (22.7 kg)	17407	$615.00
100 lb (45.4 kg)	17408	$780.00

INTERCHANGEABLE PRODUCTS

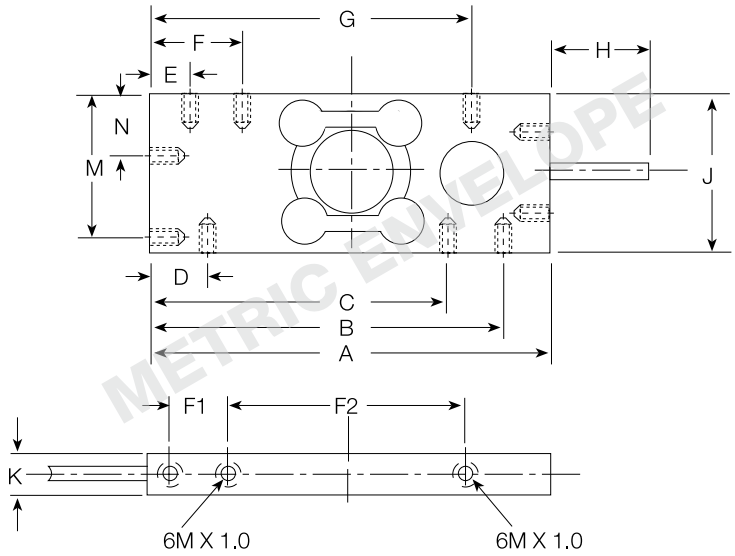
Manufacturer	Model
Vishay Sensortronics	(see page 291) 60064

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HPSM Single Point, Stainless Steel
Welded-seal IP67, Metric Envelope



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E	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 Model Number: HPSM-D3-6kg-20P9
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
Seal Type: Welded-seal, IP67
Cable Length: 6.2 m/20'
Cable Color Code: Green..... + Excitation
Black..... – Excitation
White ..... + Signal
Red..... – Signal
Warranty: 1-year limited warranty

HPSM ORDER INFORMATION

Load Rating	Part #	Price
6 kg (13.2 lb)	22334	$615.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	(see page 291) 60064

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Notes:

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S-Beams

60001, Alloy Steel ..... Page 296



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 297



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 higher have standardized output for multiple-cell installations.

60063, Stainless Steel ..... Page 298



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 750 to 5,000 lb (226.8 to 2268.0 kg).

Single-Ended Beams

65023-5297, Alloy Steel ..... Page 299



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.

65023-5107-10, Alloy Steel ..... Page 300



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.

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Single-Ended Beams (Continued)



65023, Alloy Steel ..... Page 301

Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Nickel-plated high-alloy steel with thru holes for mounting and a thru or threaded hole for loading. Capacities from 500 to 20,000 lb (226.8 to 9071.9 kg).



65023 SS, Stainless Steel, Threaded/Thru ..... Page 302

Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Stainless steel and a threaded hole for loading. Capacities from 250 to 20,000 lb (226.8 to 9071.9 kg).



65023 S, Stainless Steel ..... Page 303

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 304

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 305

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.

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Single-Ended Beams (Continued)



60040, Alloy Steel ..... Page 306

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).

FM APPROVED

Single Points



60030, Alloy Steel ..... Page 307

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).



60048 SS, Stainless Steel ..... Page 308

Load cell especisally 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 50 to 1000 lb (11.3 to 453.6 kg).

FM APPROVED



60051, Stainless Steel ..... Page 309

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).

FM APPROVED

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Single Points (Continued)



60060, Aluminum ..... Page 310

High-capacity off-center load cell accurately weighs loads on a 30" x 30" platform. Aluminum clear anodized construction. Capacities from 100 to 2000 lb (45.4 to 907.2 kg). Integral 10'/3.1 m cable.

FM APPROVED



60060-0101, Stainless Steel ..... Page 311

High-capacity off-center load cell accurately weighs loads on a 30" x 30" platform. Stainless steel construction. Capacities from 250 to 2000 lb (113.4 to 907.2 kg). Integral 10'/3.1 m cable.

FM APPROVED

Double-Ended Beams



65016, Alloy Steel ..... Page 312

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.

FM APPROVED



65016W, Stainless Steel ..... Page 313

Offered in stainless steel and with welded seal. 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.

FM APPROVED



65016WH, Stainless Steel ..... Page 314

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.

FM APPROVED



65058, Alloy Steel ..... Page 315

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.

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Double-Ended Beams (Continued)

65058 S, Stainless Steel ..... Page 316



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.

65061A, Alloy Steel ..... Page 317



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 (stainless welded seal in 50,000 lb is also available) 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 copper overbraid.

65040A, Alloy Steel ..... Page 318



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 319



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.

65040A-1127W, Alloy Steel ..... Page 320



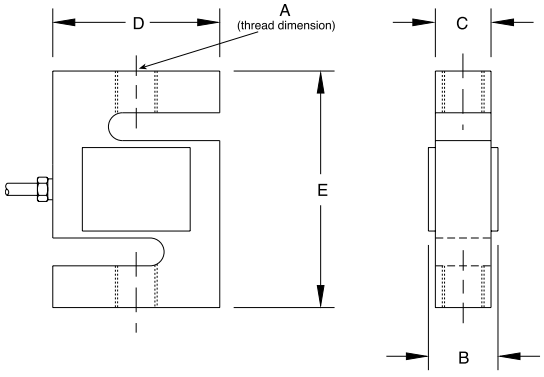
An alloy steel, epoxy painted and welded seal double link center loaded load cell. A replacement for the RL75223 or RTI 5223 load cell. NTEP approved and has 40 ft of cable. Capacities available are 50,000 to 100,000 lbs.

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60001 S-Beam, Alloy Steel
NTEP 1:5000 Class III/1:10000 Class IIIL Single Cell, IP67



Picture is a representation of actual product



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:	1-year limited warranty

RATED CAPACITY	DIMENSIONS 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 107)	RL20001
Vishay Celtron ..... (see page 182)	STC

WEIGH MODULE AVAILABLE

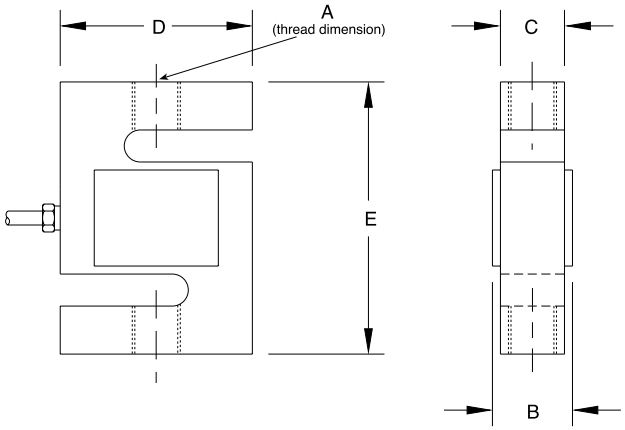
Model	Page #
ITCM Isolated Tension Cell Mount	357

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60050 S-Beam, Stainless Steel, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D	E
lb/inches					
250	3/8-24 UNF-2B	.75	.50	2.00	3.00
500-1500	1/2-20 UNF-2B	1.00	.75	2.00	3.00
2000-3000	1/2-20 UNF-2B	1.25	1.00	2.00	3.00
5000	3/4-16 UNF-2B	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF-2B	1.25	1.00	3.50	4.75
15,000	1-14 UNS-2B	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF-2B	2.00	1.94	5.00	7.00
kg/mm					
113.4	3/8-24 UNF-2B	19.1	12.7	50.8	76.2
226.8-680.4	1/2-20 UNF-2B	25.4	19.1	50.8	76.2
907.2-1360.8	1/2-20 UNF-2B	31.8	25.4	50.8	76.2
2268.0	3/4-16 UNF-2B	31.8	25.4	76.2	108.0
4535.9	3/4-16 UNF-2B	31.8	25.4	88.9	120.7
6803.9	1-14 UNS-2B	38.1	31.8	101.6	139.7
9071.9	1 1/4-12 UNF-2B	50.8	49.3	127.0	177.8

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: 1-year limited warranty

60050 ORDER INFORMATION

Load Rating	Part #	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 184) STC-SS

WEIGH MODULE AVAILABLE

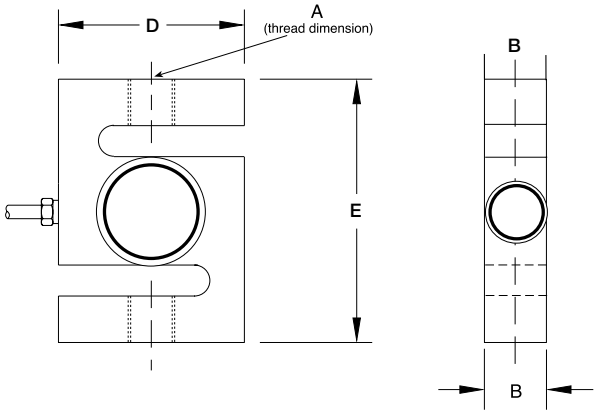
Model	Page #
ITCM Isolated Tension Cell Mount	357

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60063 S-Beam, Stainless Steel
Welded-seal, IP67 1:5000 Class III, 1:10,000 Class IIIL Single Cell



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A	B	C	D
lb/inches				
750-3000	1/2-20	1.00	2.00	3.00
5000-10,000	3/4-16	1.00	3.50	4.75
kg/mm				
1360.8	1/2-20	25.4	50.8	76.2
2268.0-4535.9	3/4-16	25.4	88.9	120.7

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: 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: 1-year limited warranty

60063 ORDER INFORMATION

Load Rating		Part #	Price
NTEP			
750 lb	(340.2 kg)	36273	$825.00
1000 lb	(453.6 kg)	36274	$825.00
1500 lb	(680.4 kg)	36275	$825.00
2000 lb	(907.2 kg)	36276	$825.00
2500 lb	(1134.0 kg)	36277	$825.00
3000 lb	(1360.8 kg)	36278	$825.00
5000 lb	(2268.0 kg)	36279	$1,095.00
Non-NTEP			
10,000 lb	(4535.9 kg)	36280	$1,095.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems .....(see page 108)	RL20001 HE

WEIGH MODULE AVAILABLE

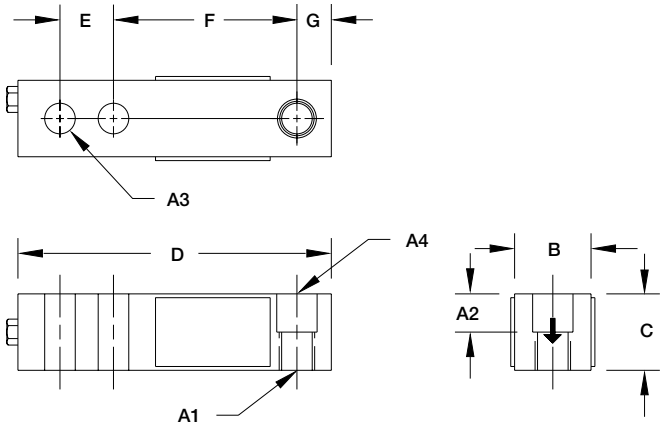
Model	Page #
ITCM Isolated Tension Cell Mount	357

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65023A-5297 Single-Ended Shear Beam, Alloy Steel
NTEP 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



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
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: 65023A-XX-5107-10
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, 2500 lb = .015"/.38 mm
Seal Type: Environmentally sealed, IP67
Cable Length: 8.5'/2.6 m
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: 1-year limited warranty

65023A - 5297 ORDER INFORMATION

Load Rating	Part #	Price
1000 lb (453.6 kg)	68825	$295.00
2500 lb (1134.0 kg)	68824	$295.00

INTERCHANGEABLE PRODUCTS

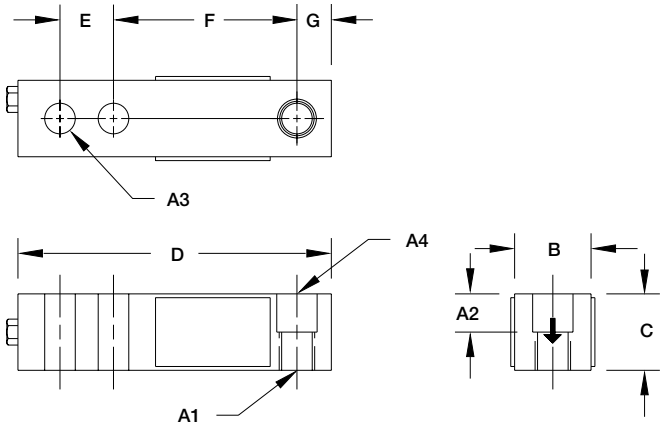
Manufacturer	Model
Fairbanks®	65023A-XX-5164

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65023A-5107-10 Single-Ended Shear Beam, Alloy Steel
NTEP 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



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
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: 65023A-XX-5107-10
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, 2500 lb = .015"/.38 mm
Seal Type: Environmentally sealed, IP67
Cable Length: 9'/2.7 m
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: 1-year limited warranty

65023A - 5107-10 ORDER INFORMATION

Load Rating	Part #	Price
1000 lb (453.6 kg)	68827	$295.00
2500 lb (1134.0 kg)	68826	$295.00

INTERCHANGEABLE PRODUCTS

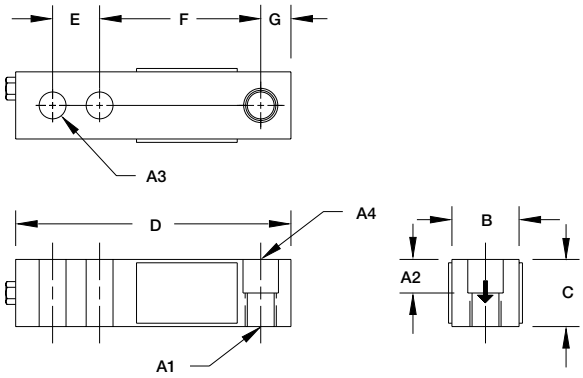
Manufacturer	Model
Pennsylvania	65023A-XX-5141

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65023 Single-Ended Shear Beam, Alloy Steel
NTEP 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



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: 1-year limited warranty

65023 (THREADED HOLE) ORDER INFORMATION

Load Rating	Part #	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 lbSE (2268.0 kg)	102884	$295.00
5000 lbLE (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

WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	32
RL1800 Series	44

65023 (THRU HOLE) ORDER INFORMATION

Load Rating	Part #	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

OBSOLETE

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 115) RL35023 (threaded version)
Vishay Celtron	(see page 186) SQB
Rice Lake Weighing Systems	(see page 110) RL30002 (thru hole version)

SE refers to small envelope
LE refers to large envelope

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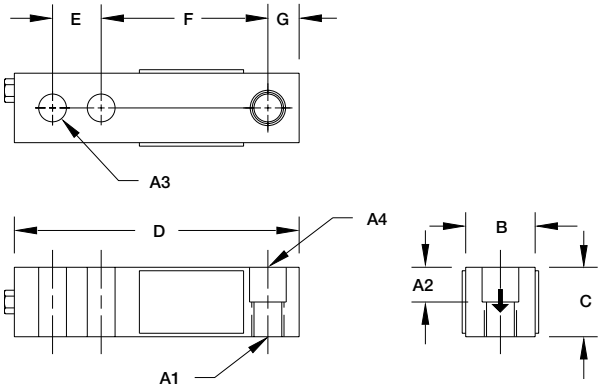
VISHAY Sensortronics

65023 SS Single-Ended Beam, Stainless Steel
Threaded, IP67



FM APPROVED

Picture is a representation of actual product



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: 1-year limited warranty

65023 SS ORDER INFORMATION

Load Rating	Part #	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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 116)	RL35023S

WEIGH MODULE AVAILABLE

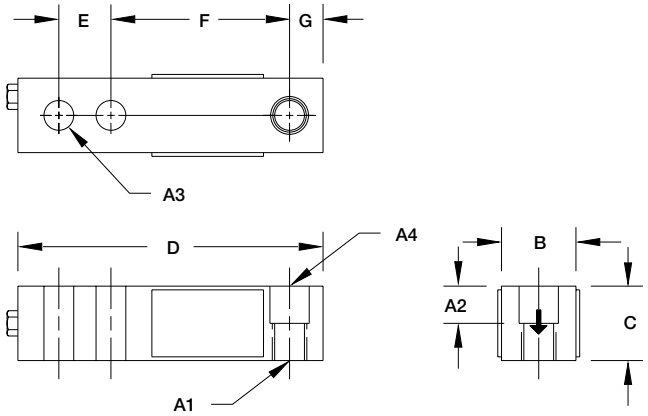
Model	Page #
RL50210 TA	32
RL1800 Series	44

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65023 S Single-Ended Shear Beam, Stainless Steel
NTEP 1:5000 Class III Multiple Cell, IP67



Picture is a representation of actual product



RATED CAPACITY	DIMENSIONS A1	A2	A3	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: 1-year limited warranty

65023 S ORDER INFORMATION

Load Rating	Part #	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 116)	RL35023S
Vishay Sensortronics ..... (see page 302)	65023 SS

WEIGH MODULE AVAILABLE

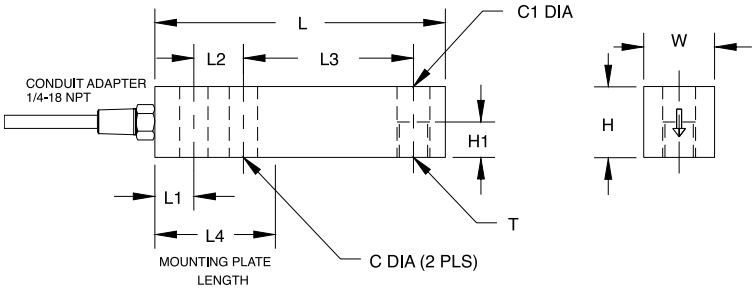
Model	Page #
RL50210 TA	32
RL1800 Series	44

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VISHAY Sensortronics

65083 Single-Ended Beam, Stainless Steel
Welded-seal, IP67





FM APPROVED

Picture is a representation of actual product

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

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: 65083-XX-0100
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Combined Error: 0.3% 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
Cable Length: 20'/6.1 m Teflon cable
Conduit Adapter Size: 1/4-18 NPT
Cable Color Code: Red.....+ Excitation, Black.....– Excitation, Green.....+ Signal, White .....– Signal
Warranty: 1-year limited warranty

65083 ORDER INFORMATION

Load Rating	Part #	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

** 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 117) RL35083
Vishay Celtron	(see page 187) SQB-HSS

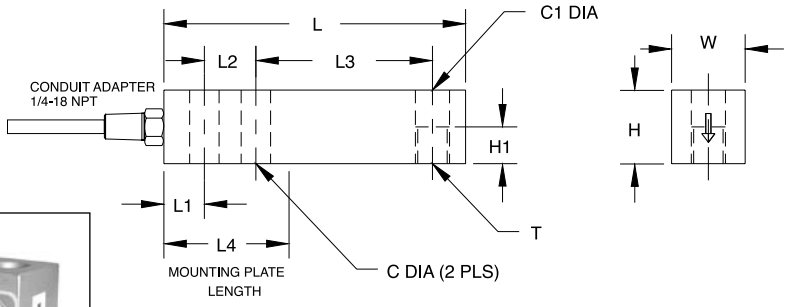
WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	32
RL1800 Series	44

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65083 S Single-Ended Beam, Stainless Steel
Welded-seal, IP67, IP66/68, NTEP 1:5000 Class III Multiple Cell







*IP66/68 model***

Picture is a representation of actual product

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

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: 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 = .025"/.64 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: 1-year limited warranty

65083 S ORDER INFORMATION

Load Rating	Part #	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

** 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 118)	RL35082

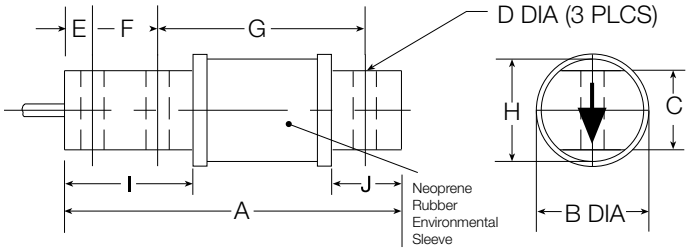
WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	32
RL1800 Series	44

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60040 Single-Ended Beam, Alloy Steel, IP65





FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	I	J
lb/inches 25-500	2.81	1.30	.62	.26	.25	.50	1.81	1.00	1.00	.50
kg/mm 11.3-226.8	71.4	33.0	15.8	6.6	6.4	12.7	46.0	25.4	25.4	12.7

SPECIFICATIONS:

Full Scale Output: 3.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: High-alloy steel, nickel plated
Temperature: Compensated range 0°F to 150°F/-18°C to 65°C
Manufacturer Model Number: 60040
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Nonlinearity: 0.03% Full scale
Hysteresis: 0.02% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 25-50 lb =.008"/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: 1-year limited warranty

60040 ORDER INFORMATION

Load Rating	Part #	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 127)	RL50210
Vishay Revere Transducers	5503
Artech	50210

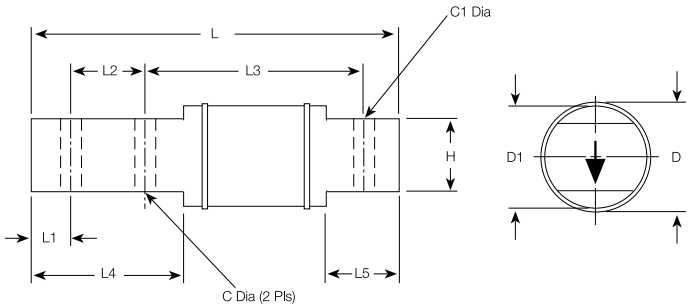
WEIGH MODULE AVAILABLE

Model	Page#
RL50210 TA	32

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60030 Single-Ended Beam, Alloy Steel, IP65





FM APPROVED

Picture is a representation of actual product

OBSOLETE

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

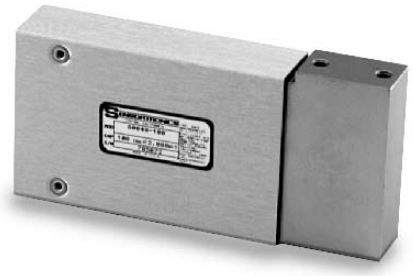
INTERCHANGEABLE PRODUCTS

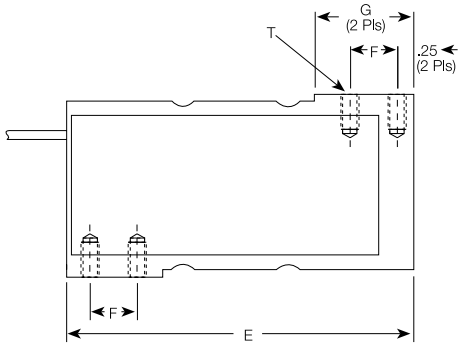
Manufacturer	Model
Electroscale	LCB Bases

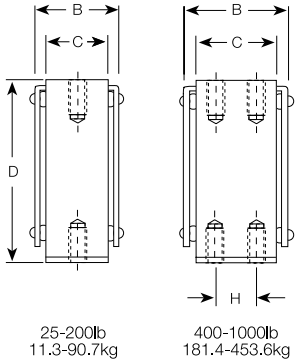
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VISHAY Sensortronics

60048 SS Single Point, Stainless Steel, IP67







FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS T	B	C	D	E	F	G	H
lb/inches								
50-200	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								
22.7-90.7	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/-18C 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: 1-year limited warranty

60048 SS ORDER INFORMATION

Load Rating	Part #	Price
50 lb (22.7 kg)	17421	$555.00
100 lb (45.4 kg)	17423	$555.00
200 lb (90.7 kg)	17425	$555.00
400 lb (181.4 kg)	17427	$595.00
500 lb (226.8 kg)	17429	$615.00
1000 lb (453.6 kg)	17431	$655.00
***1000 lb (453.6 kg)	17514	$695.00
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*

****Cable length 25 feet*

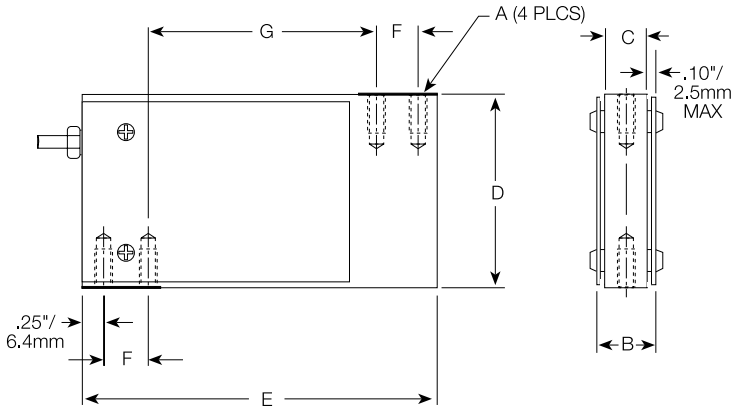
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
NCI®/Weigh-Tronix®	Mark V

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USA: 800-472-6703 • **CANADA/MEXICO:** 800-321-6703 • **INTERNATIONAL:** 715-234-9171
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60051 Single Point Beam, Stainless Steel, IP67





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G
lb/inches							
10-25	1/4-28 UNF-2B	.70	.50	2.50	4.63	.75	2.62
50-200	1/4-28 UNF-2B	.95	.75	2.50	4.63	.75	2.62
kg/mm							
4.5-11.3	1/4-28 UNF-2B	17.8	12.7	63.5	117.6	19.1	66.6
22.7-90.7	1/4-28 UNF-2B	24.1	19.1	63.5	117.6	19.1	66.6

SPECIFICATIONS:

Full Scale Output: 2.0 mV/V
Bridge Resistance: 350 ohms, nominal
Material/Finish: Stainless steel
Temperature: Compensated range 0°F to 150°F/-18°C to 65°C
Manufacturer Model Number: 60051
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Nonlinearity: 0.03% Full scale
Hysteresis: 0.02% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 10-15 lb = .014"/.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: 1-year limited warranty

60051 ORDER INFORMATION

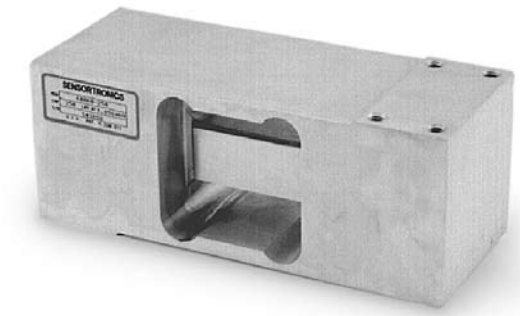
Load Rating	Part #	Price
10 lb (4.5 kg)	17432	$425.00
15 lb (6.8 kg)	17433	$425.00
25 lb (11.3 kg)	17434	$425.00
50 lb (22.7 kg)	17435	$445.00
100 lb (45.4 kg)	17436	$445.00
200 lb (90.7 kg)	17437	$445.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
NCI®	Mark III
NCI®	Mark IX

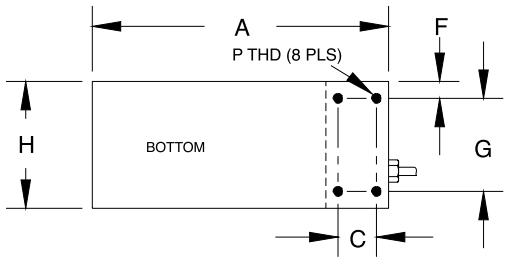
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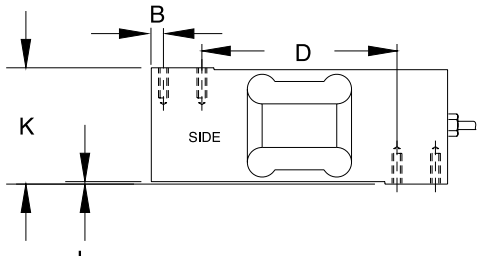
60060 Single Point, Aluminum, Clear Anodized, IP67



FM APPROVED

Picture is a representation of actual product





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 Model Number:	60060
Safe Overload:	150% Full scale
Rated Excitation:	10V DC (15V 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:	1-year limited warranty

60060 ORDER INFORMATION

Load Rating	Part #	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

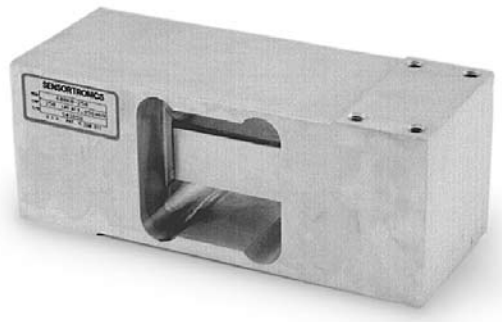
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Sensortronics	(see page 311) 60060-0101*

** Stainless steel*

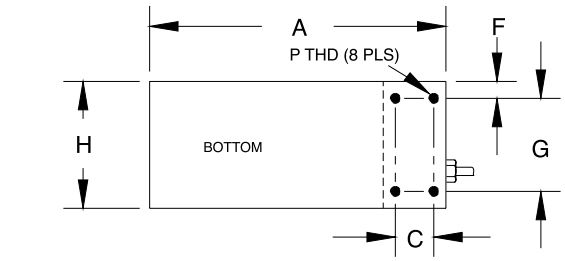
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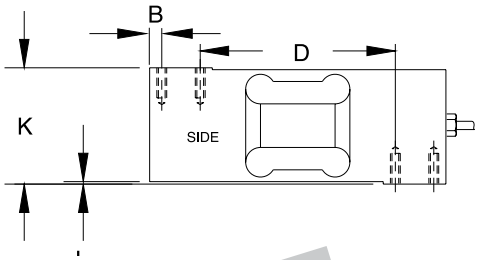
60060-0101 Single Point, Stainless Steel, IP67



FM APPROVED

Picture is a representation of actual product





OBSOLETE

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 stee
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 (15V 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: 1-year limited warranty

60060-0101 ORDER INFORMATION

Load Rating	Part #	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 310) 60060*

** Aluminum*

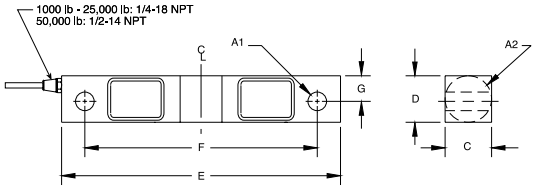
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65016 Double-Ended Beam, Alloy Steel, IP67

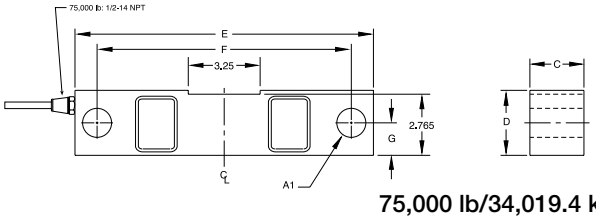


FM APPROVED

Picture is a representation of actual product



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



75,000 lb/34,019.4 kg

RATED CAPACITY	DIMENSIONS A1	A2	C	D	E	F	G	CONDUIT ADAPTER
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 DC (15V 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: 1-year limited warranty

65016 ORDER INFORMATION

Load Rating	Part #	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

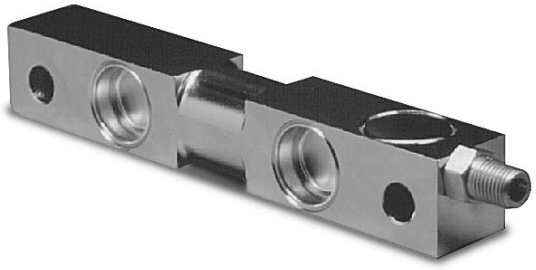
Manufacturer	Model
Rice Lake Weighing Systems	(see page 138) RL75016
Vishay Celtron	(see page 192) DSR
Revere Transducers	5203

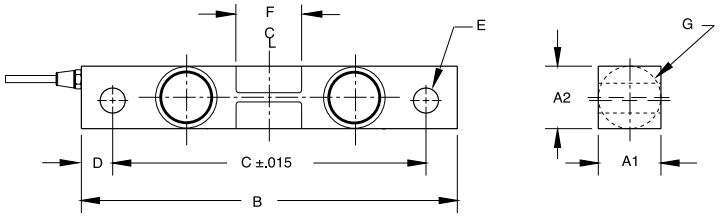
WEIGH MODULE AVAILABLE

Model	Page #
RL1600 Series	70 and 72

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65016W Double-Ended Beam, Stainless Steel
Welded-seal, IP67





FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A1	A2	B	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 DC (15V 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: 1-year limited warranty

65016W ORDER INFORMATION

Load Rating		Part #	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	$1,225.00
*75,000 lb	(34,019.4 kg)	36305	$1,225.00

** 75,000 lb capacity has a square center*

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ...(see page 140)	RL75016 WHE
Vishay Celtron ..... (see page 193)	DSR-HSS

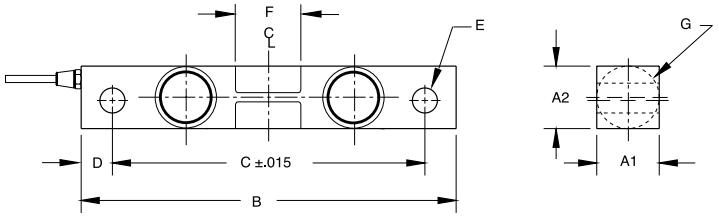
WEIGH MODULE AVAILABLE

Model	Page #
RL1600 Series	70

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65016WH Double-Ended Beam, Stainless Steel
Hermetically sealed, IP68





FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A1	A2	B	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
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 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 DC (15V 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: 1-year limited warranty

65016WH ORDER INFORMATION

Load Rating		Part #	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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 140) RL75016 WHE
Vishay Sensortronics	(see page 313) 65016W

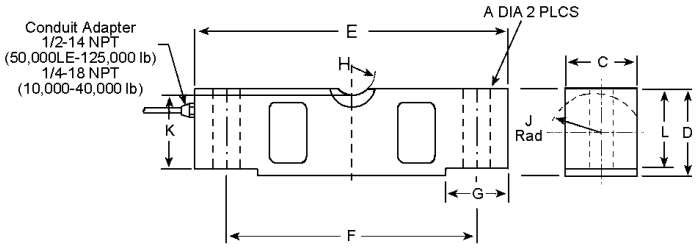
WEIGH MODULE AVAILABLE

Model	Page #
RL1600 Series	70

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65058 Double-Ended Beam, Alloy Steel
NTEP 1:6000/1:10,000 Class IIIL Multiple Cell, IP67





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	C	D	E	F	G	H	J	K	L
lb/inches										
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										
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 (15V 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: 1-year limited warranty

65058 ORDER INFORMATION

Load Rating	Part #	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

SE refers to small envelope
LE refers to large envelope

65058A ORDER INFORMATION

Load Rating	Part #	Price
60 ft Cable		
75,000 lb (34,019.4 kg)	39459	$860.00
****50 ft Cable**		
60,000 lb (27,215.5 kg)	25466	$875.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems	(see page 141) RL75058
Vishay Celtron	(see page 194) CLB

WEIGH MODULE AVAILABLE

Model	Page #
2100HE	22
TSA	78
MVS	76

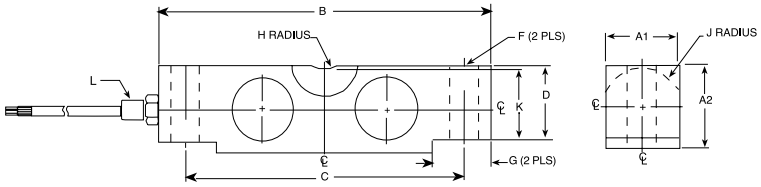
** Howe-Richardson LOAD STAR 65058A-50K-1127*

*** Has built-in lighting protection*

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65058 S Double-Ended Beam, Stainless Steel
Welded-seal, NTEP 1:10,000 Class IIIL Multiple Cell, IP67





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A1	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 Model Number: 65058S-XX-1000W
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: 35'/10.6 m
Cable Coloring: Red.....+ Excitation
Black.....– Excitation
Green.....+ Output
White .....– Output
Warranty: 1-year limited warranty

65058 S ORDER INFORMATION

Load Rating		Part #	Price
35 ft Cable			
20,000 lb	(9,072 kg)	45475	$875.00
25,000 lb	(11,339.8 kg)	45476	$875.00
40,000 lb	(18,143.7 kg)	45477	$1,095.00
50,000 lb	(22,679.6 kg)	45478	$1,095.00
60,000 lb	(27,215.3 kg)	45479	$1,095.00
75,000 lb	(34,019.4 kg)	45480	$1,095.00
100,000 lb	(45,359.2 kg)	45481	$2,295.00
60 ft Cable			
75,000 lb	(34,019.4 kg)	48698	$1,170.00

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 142)	RL75060S

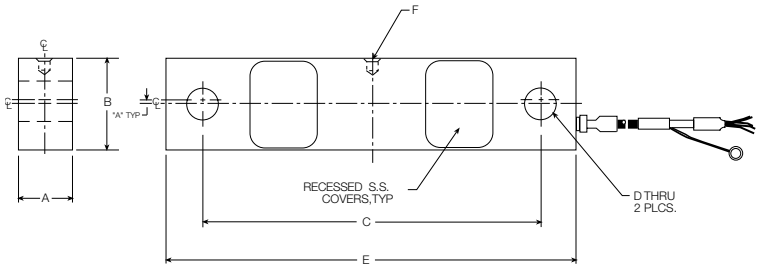
WEIGH MODULE AVAILABLE

Model	Page #
2100HE	22
TSA	78
MVS	76

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65061A Double-Ended Beam, Alloy/Stainless Steel
NTEP 1:10,000 Class IIIL Multiple Cell, IP67





Picture is a representation of actual product

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
Bridge Resistance: 700 ohms, nominal
Material/Finish: High-alloy steel, nickel plated
Stainless steel
Temperature: Compensated range
14°F to 104°F/-10°C to 40°C
Manufacturer
Model Number: 65061A-XX-1108
65061S-50k-1107 stainless
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Nonlinearity: 0.03% Full scale
Hysteresis: 0.02% Full scale
Insulation Resistance: 5000 ohms
Seal Type: Environmentally sealed (40,000 lb)
Welded-seal, IP67 (50,000 lb)
Cable Length: 60'/18.2 m, copper overbraid
Cable Coloring: Red..... + Excitation
Black..... – Excitation
Green..... + Signal
White ..... – Signal
Warranty: 1-year limited warranty

65061A ORDER INFORMATION

Load Rating	Part #	Price
40,000 lb (18,143.7 kg)	47850	$1,195.00
***50,000 lb (22,679.6 kg)	67387	$1,330.00
**50,000 lb (22,679.6 kg)	47851	$1,195.00
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	$198.00
Support Pin	50747	$26.00
Washer	15180	$2.20
Cotter Pin	15244	$1.50

** See Rice Lake Weighing Systems Mechanical Scale Parts catalog for parts diagram*
***Alloy steel*
****Stainless steel*

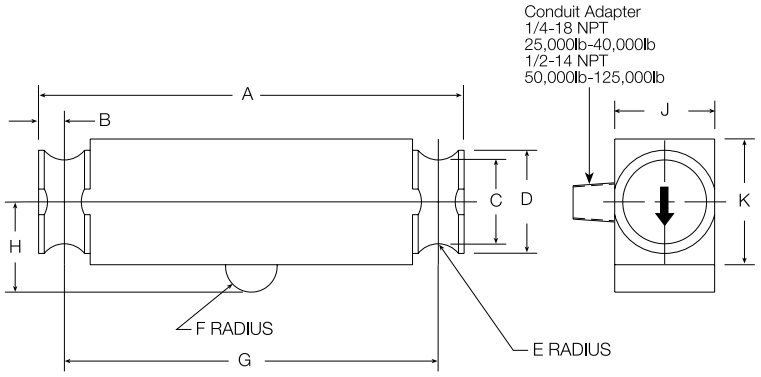
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Fairbanks®	Rodan 90814-40K
Fairbanks®	Rodan 91088-50K

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65040A Double-Ended Beam, Alloy Steel
NTEP 1:6000/1:10,000 Class IIIL Multiple Cell, IP67





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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 (15V 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: 1-year limited warranty

65040A ORDER INFORMATION

Load Rating	Part #	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)	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. Scale 1/2 ear version*

SE refers to small envelope

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 145)	RL75040
Thurman®	TSC 840
Vishay Celtron ..... (see page 195)	DLB

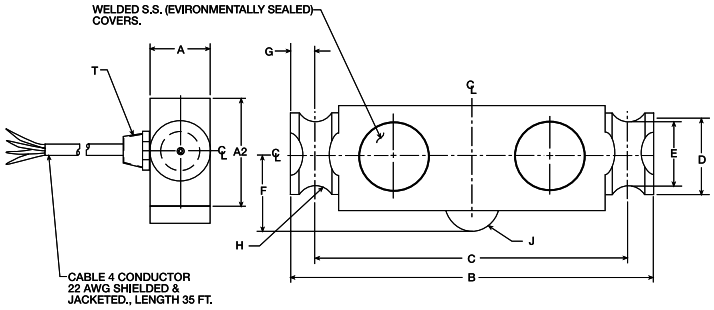
WEIGH MODULE AVAILABLE

Model	Page #
Translink™	84

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65040 S Double-Ended Beam, Stainless Steel
Welded-seal, IP67, NTEP 1:10,000 Class IIIL Multiple Cell





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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
Model Number: 65040S-XX-1000W
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: 35'/10.6 m
Cable Coloring: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: 1-year limited warranty

65040 S ORDER INFORMATION

Load Rating	Part #	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

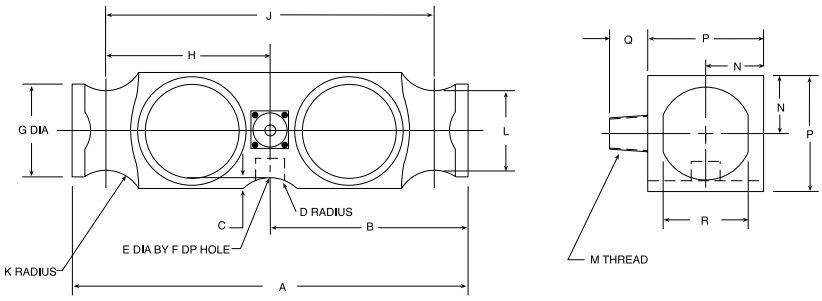
Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 145)	RL75040
Vishay Sensortronics ..... (see page 318)	65040A

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65040A-1127W Double-Ended Beam, Alloy Steel
Welded-seal, IP67, NTEP 1:10,000 Class IIIL Multiple Cell



Picture is a representation of actual product



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
Bridge Resistance: 700 ohms, nominal
Material/Finish: High-alloy 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 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 = .018"/.5 mm, 65,000 lb = .022"/.6 mm, 100,000 lb = .034"/.9 mm
Seal Type: Welded-seal strain gauge*, IP67
Cable Length: 40'/12.2 m
Cable Color Code: Red.....+ Excitation
Black.....– Excitation
Green.....+ Signal
White .....– Signal
Warranty: 1-year limited warranty

65040A ORDER INFORMATION

Load Rating	Part #	Price
50,000 lb (22,679.6 kg)	66080	$900.00
65,000 lb (29,483.5 kg)	87162	$900.00
100,000 lb (45,359.2 kg)	87163	$1,240.00

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

INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Revere Transducers	(see page 274) 5223
Artech	80210
Thurman®	TSC 800
Rice Lake Weighing Systems	(see page 143) RL75223

WEIGH MODULE AVAILABLE

Model	Page #
Translink	84

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S-Beams



620, Stainless Steel ..... Page 326

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 327



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 1000 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 328



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 329



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 330



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

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Single Points

1022, Aluminum ..... Page 331



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 332



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 333



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 334



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

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Single Points (Continued)



1042S, Aluminum ..... Page 335

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 20 to 100 kg (44.1 to 220.5 lb). Complete with 3.1 m/10' of load cell cable.



1040, Aluminum, Potted/Unpotted ..... Page 336

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 337

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 338

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).

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Single Points (Continued)

1240, Stainless Steel ..... Page 339



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.

220, Stainless Steel ..... Page 340



Model 220 is a low profile bending ring load cell designed for high capacity weighing applications, including weighbridges, tanks, silos and high capacity platform scales as well as force measurement. OMIL and NTEP approved.

1241, Aluminum ..... Page 341



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 342



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 343



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.

1250, Aluminum, Potted ..... Page 344



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

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Single Points (Continued)



1320, Aluminum ..... Page 345

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 346

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 347



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 348



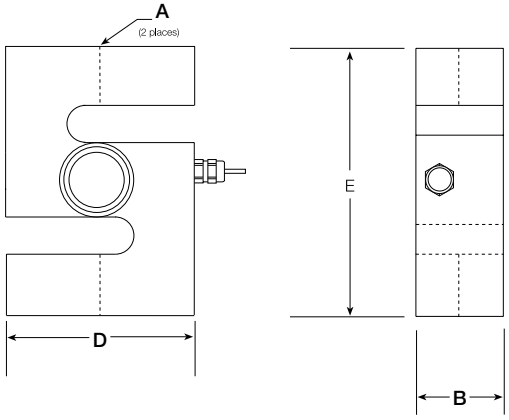
Model 9010 is a self-contained weighing module for use in repeated shock-loading applications or where fast weighing and settling times are required. Each is custom manufactured per specific application requirements. Capacities from 3 to 50 kg (5.5 to 110.2 lb). See page 352 for Model 9010 Application Definition Form.

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620 S-Beam, Stainless Steel

Welded-seal, IP68, NTEP 1:3000 Single Cell, 1:5000 Multiple Cell, Class III





Available upon request

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A*	B	C	D	E
kg/mm					
500-1000	1/2-20 UNF	33.5	N/A	73.2	94.0
2000	3/4-16 UNF	33.5	N/A	73.2	94.0
5000	1-12 UNF	47.2	N/A	104.6	125.5
lb/inches					
1102.3-2204.6	2.88	1.32	N/A	2.88	3.70
4409.2	2.88	1.32	N/A	2.88	3.70
11,023.1	4.12	1.86	N/A	4.12	4.94

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 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: 1-year limited warranty

620 ORDER INFORMATION

Load Rating	Part #	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*

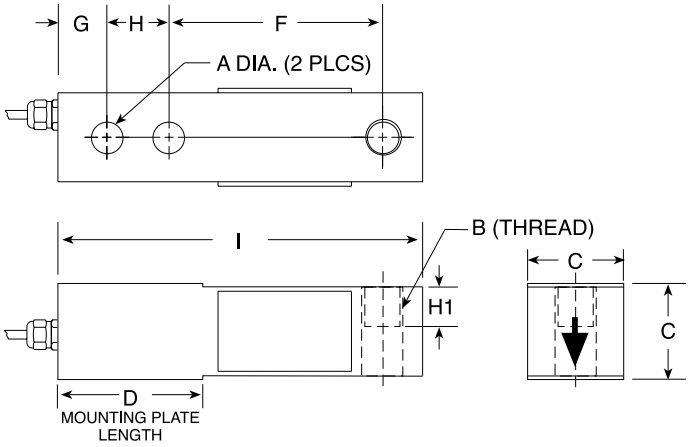
WEIGH MODULE AVAILABLE

Model	Page #
ITCM Isolated Tension Cell Mount	357

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3411/3421 Single-Ended Beam, Alloy & Stainless Steel
NTEP 1:3000 Single Cell, 1:5000, Multiple Cell, Class III, IP67





Available upon request

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS 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
3411 (Alloy/Stainless 1K-4K)
3421 (Stainless Steel, 5k-10k)
Safe Overload: 150% Full scale
Rated Excitation: 10V 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: 1-year limited warranty

3411/3421 ORDER INFORMATION

Load Rating	Part #	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 110)	RL30000
Vishay Revere Transducers (see page 264)	5123
Rice Lake Weighing Systems (see page 112)	RL39123*
Vishay Revere Transducers (see page 265)	9123*

WEIGH MODULE AVAILABLE

Model	Page #
RL50210 TA	32
RL1800 Series	44

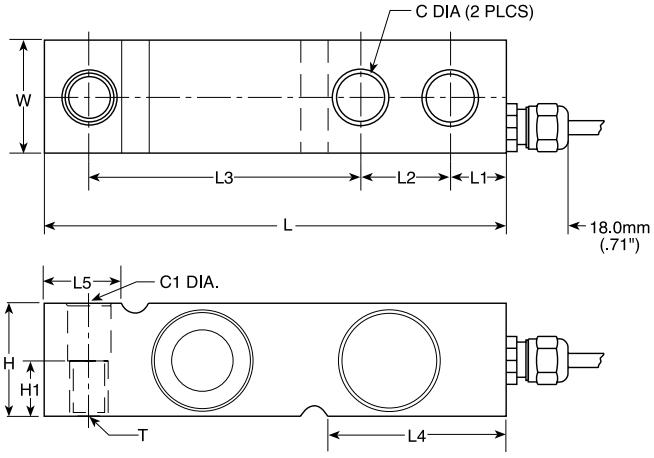
** Stainless steel*

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3510-lbs Single-Ended Beam, Stainless Steel
Welded-seal*, IP68, NTEP 1:3000 Single Cell, 1:5000 Multiple Cell, Class III



Picture is a representation of actual product



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
Safe Overload:	150% Full scale
Rated Excitation:	10V 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:	1-year limited warranty

3510 lbs ORDER INFORMATION

Load Rating	Part #	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 304) 65083
Vishay Celtron	(see page 187) SQB-HSS

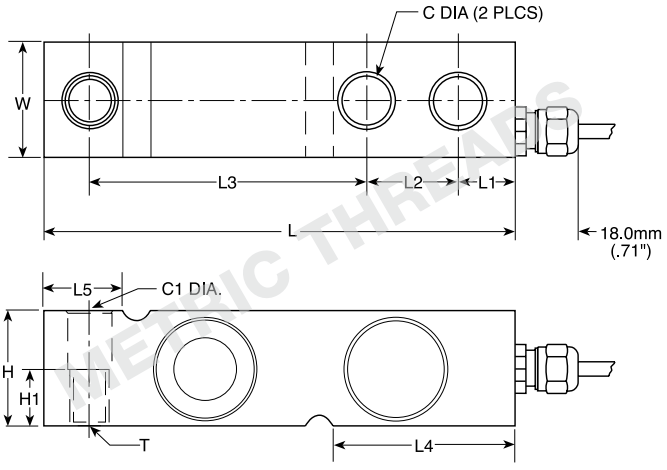
WEIGH MODULE AVAILABLE

Model	Page #
1700HE	16

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3510-kg Single-Ended Beam, Stainless Steel
Welded-seal, IP68, OIML C3





METRIC THREADS

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS C	C1	H	H1	L	L1	L2	L3	L4	L5	T	W
lb												
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
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

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)
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: 1-year limited warranty

3510-kg ORDER INFORMATION

Load Rating	Part #	Price
500 kg (1102.3 lb)	30161	$485.00
1000 kg (2204.6 lb)	30162	$485.00
2000 kg (4409.2 lb)	30163	$485.00
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 119) RLHTO

WEIGH MODULE AVAILABLE

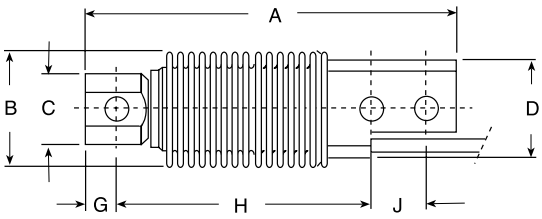
Model	Page #
1700HE	14

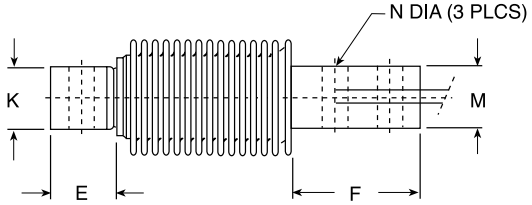
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355 Single-Ended Beam, Stainless Steel

Welded-seal, IP68, NTEP 1:4000 Single Cell, 1:5000, Multiple Cell, Class III







Available upon request

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	G	H	J	K	M	N
lb												
11.0-1102.3	4.72	1.61	.91	1.26	.81	1.79	.39	3.23	.71	.79	.79	.32
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

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)
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:	1-year limited warranty

355 ORDER INFORMATION

Load Rating	Part #	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 130) RLHBB
Revere Transducers	(see page 270) SHB
Vishay Celtron	(see page 190) HBB
HBM	(see page 239) Z6

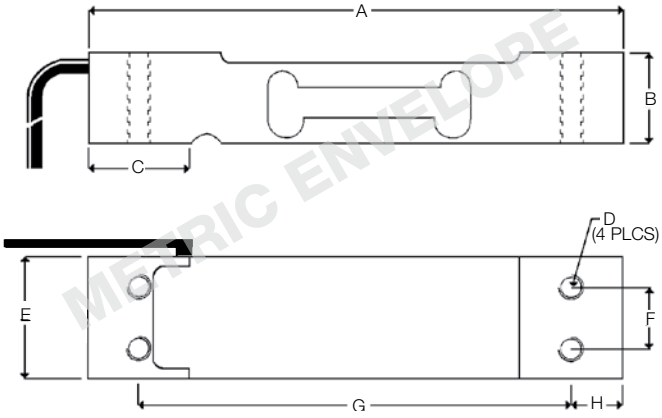
WEIGH MODULE AVAILABLE

Model	Page #
1700HE	16

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1022 Single Point, Aluminum
NTEP 1:5000 Class III Single Cell





Available upon request

Picture is a representation of actual product

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 range 14°F to 104°F/-10°C to 40°C
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: 1-year limited warranty
Platform size: 13.78" x 13.78"

1022 ORDER INFORMATION

Load Rating	Part #	Price
3 kg (6.6 lb)	41135	$140.00
5 kg (11.0 lb)	41136	$140.00
7 kg (15.4 lb)	41137	$140.00
10 kg (22.0 lb)	41138	$140.00
15 kg (33.1 lb)	41139	$140.00
20 kg (44.1 lb)	41140	$140.00
30 kg (66.1 lb)	41141	$140.00
35 kg (77.2 lb)	41142	$140.00

INTERCHANGEABLE PRODUCTS

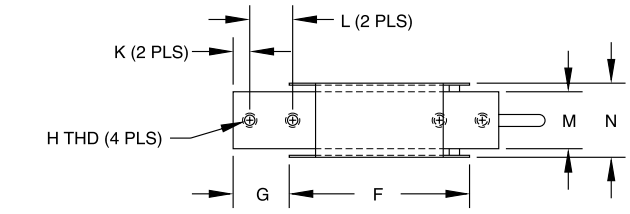
Manufacturer	Model
Rice Lake Weighing Systems	(see page 153) RL1521A
Vishay Celtron	(see page 196) LPS
Vishay BLH	C2G1
NMB®	C2G1

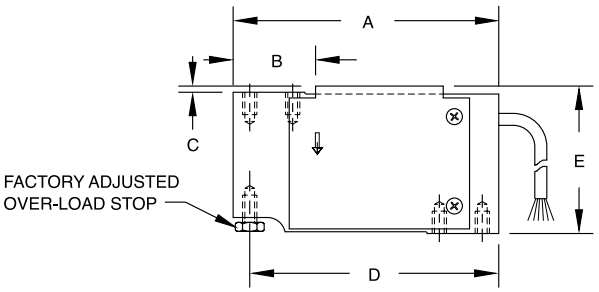
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1010 Potted & Unpotted Single Point, Aluminum
NTEP 1:5000 Class III Single Cell



Picture is a representation of actual product





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

Safe Overload: 200% at center of loading point, full scale
Rated Excitation: 10V DC (15V 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
Platform size: 15.75" x 15.75"
Warranty: 1-year limited warranty

1010 POTTED ORDER INFORMATION

Load Rating	Part #	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		
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 #	Price
Unpotted, NTEP 1:5000		
5 kg (11.0 lb)	33732	$180.00
7 kg (15.4 lb)	33733	$180.00
Unpotted, Non-NTEP		
3 kg (6.6 lb)	17481	$180.00

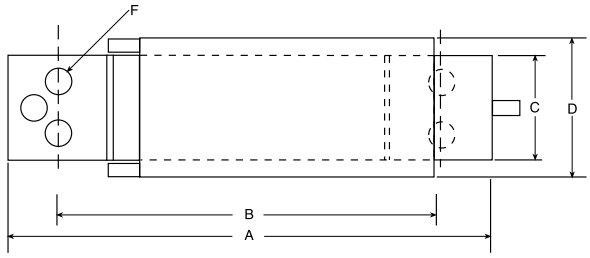
INTERCHANGEABLE PRODUCTS

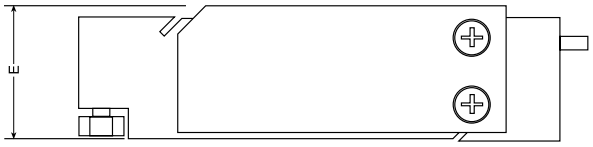
Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 154)	RL1010
HBM ..... (see page 251)	SP10

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1030 Single Point, Aluminum
OIML C3







Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F
kg/mm 3-15	117.9	93.7	25.4	33.3	32.5	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
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V 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
Platform size: 13.78" x 13.78"

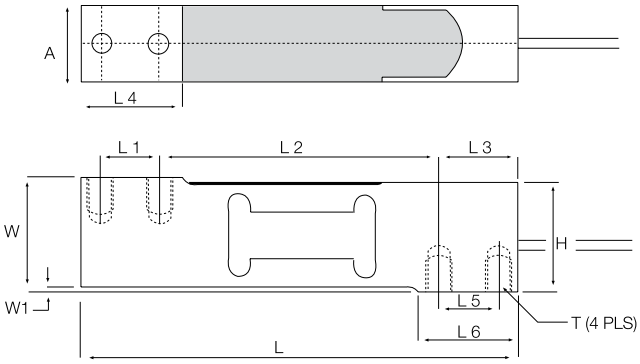
1030 ORDER INFORMATION

Load Rating	Part #	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

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1042 Single Point, Aluminum
NTEP 1:5000 Class III Single Cell





FM APPROVED

NTEP OIML

Available upon request

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	H	L	L1	L2	L3	L4	L5	L6	W	W1	T
kg/mm												
1-30	20.0	39	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	39	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	1.54	5.91	.75	3.937	.984	1.339	.75	1.339	1.575	.040	1/4-20 UNC-2B
110.2-220.5	.992	1.54	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 range 14°F to 104°F/-10°C to 40°C
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
Platform size: 16" x 16"
Warranty: 1-year limited warranty

1042 ORDER INFORMATION

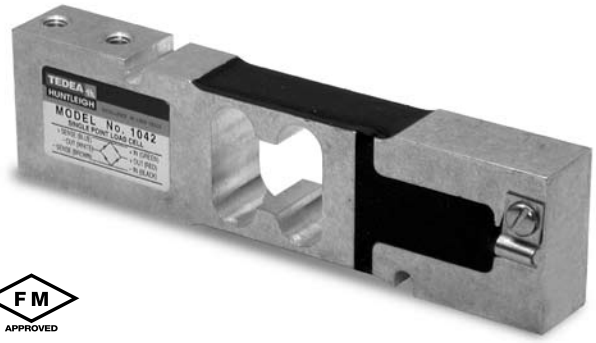
Load Rating	Part #	Price
1 kg (2.2 lb)	40680	$180.00
3 kg (6.6 lb)	40681	$180.00
5 kg (11.0 lb)	40682	$180.00
10 kg (22.0 lb)	40683	$180.00
15 kg (33.1 lb)	40684	$180.00
20 kg (44.1 lb)	40685	$180.00
30 kg (66.1 lb)	40686	$180.00
50 kg (110.2 lb)	40687	$180.00
75 kg (165.4 lb)	40688	$180.00
100 kg (220.5 lb)	40689	$180.00

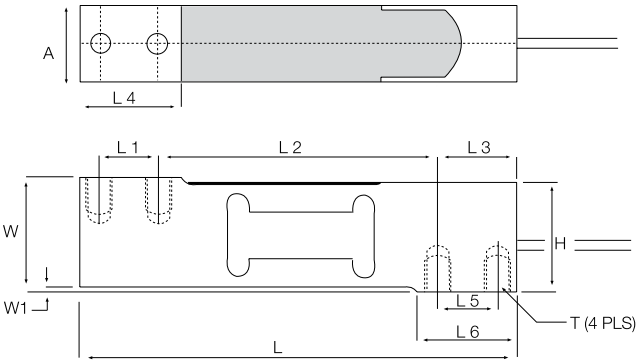
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 159)	RL1042

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1042S Single Point, Aluminum
NTEP 1:7500 Class III Single Cell





Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	H	L	L1	L2	L3	L4	L5	L6	W	W1	T
kg/mm												
20-30	20.0	39	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	39	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	1.54	5.91	.75	3.937	.984	1.339	.75	1.339	1.575	.040	1/4-20 UNC-2B
110.2-220.5	.992	1.54	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
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: 1-year limited warranty
Platform size: 16" x 16"

1042S ORDER INFORMATION

Load Rating	Part #	Price
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

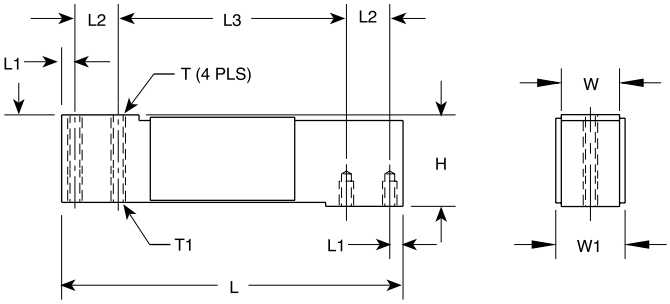
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 159)	RL1042

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1040 Potted & Unpotted Single Point, Aluminum
NTEP 1:5000 Class III Single Cell





Available upon request

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS H	L	L1	L2	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
Safe Overload:	200% at center loading point, full scale
Rated Excitation:	10V DC (15V maximum)
Total Error:	0.02% Full scale
Insulation Resistance:	5000 megohms
Deflection at Capacity:	5-100 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
Platform size:	15.75" x 15.75"
Warranty:	1-year limited warranty

1040 POTTED ORDER INFORMATION

Load Rating	Part #	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

1040 UNPOTTED ORDER INFORMATION

Load Rating	Part #	Price
Unpotted, NTEP 1:5000		
5 kg (11.0 lb)	33725	$190.00
7 kg (15.4 lb)	33726	$190.00

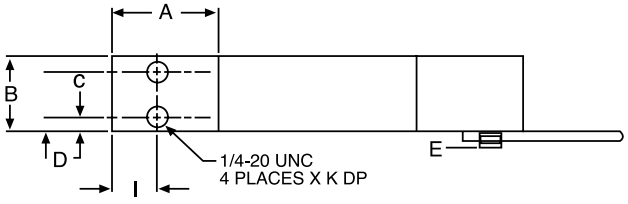
INTERCHANGEABLE PRODUCTS

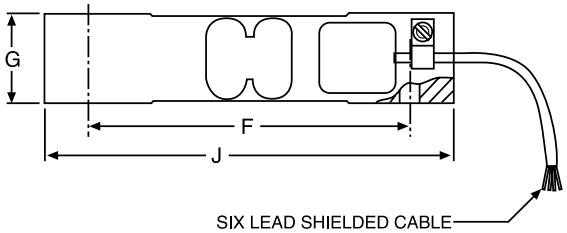
Manufacturer	Model
Rice Lake Weighing Systems	(see page 160) RL1040
Vishay Celtron	(see page 197) LOC

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1130 Single Point, Stainless Steel
NTEP 1:4000 Class III Single Cell







FM APPROVED

Pending

Picture is a representation of actual product

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
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, at center loading point
Rated Excitation: 10V DC (15V maximum)
Total Error: 0.02% Full scale
Insulation Resistance: 5000 megohms
Deflection at Capacity: 7.5-100 kg ≤ .4mm/.015"
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: 15.75" x 15.75"
Warranty: 1-year limited warranty

1130 ORDER INFORMATION

Load Rating	Part #	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

***Non-NTEP**

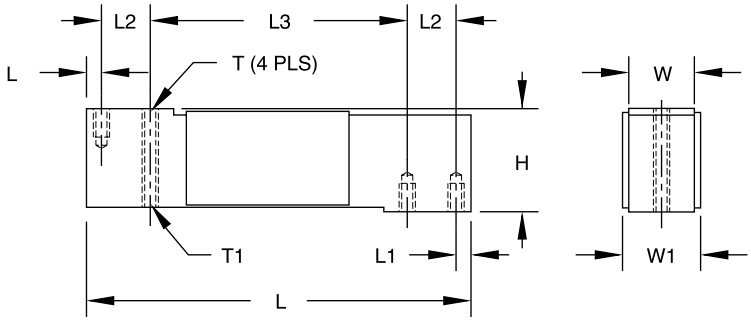
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Weightronix	MK29

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1140 Potted Single Point, Stainless Steel





FM APPROVED

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS H	L	L1	L2	L3	T	T1	W	W1
kg/mm 15-150	40.0	150.0	5.95	19.1	100.0	1/4-20 UNC X 10 DP	1/4-28 UNF X 10 DP	25.4	29.4
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
Safe Overload: 200% at center loading point, full scale
Rated Excitation: 10V 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
Platform size: 15.75" x 15.75"
Warranty: 1-year limited warranty

1140 ORDER INFORMATION

Load Rating	Part #	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

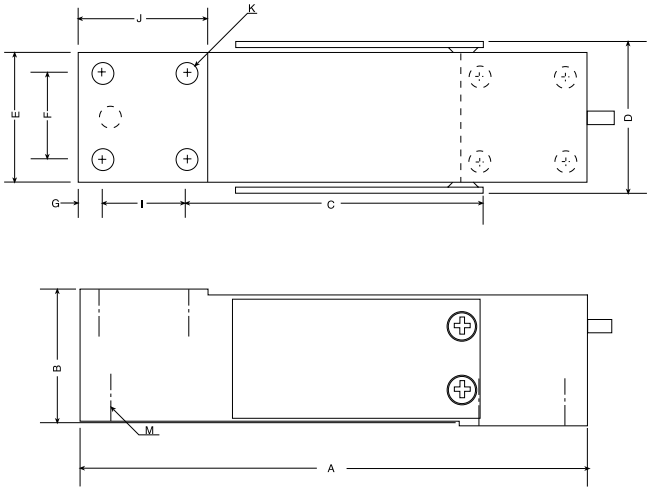
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Rice Lake Weighing Systems ..... (see page 161)	RL1140

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1240 Single Point, Stainless Steel





FM APPROVED

Picture is a representation of actual product

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 range 0°F to 150°F/-18°C to 65°C
Safe Overload: 150% Full scale
Rated Excitation: 10V 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

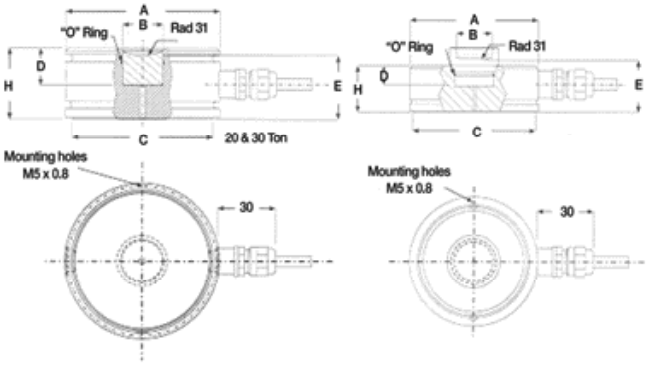
Load Rating	Part #	Price
200 kg (441 lb)	47880	$350.00
250 kg (551.3 lb)	47881	$350.00

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220 Compression, Stainless Steel
NTEP 1:10,000 Class III L Multiple Cell







Available upon request

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	H
kg/mm						
5000kg	80	19	70	20	33.4	30
lb/inches						
10000kg	92	28	80	14.6	33.4	33
20000kg-30,000kg	110	29	101.5	26.3	39	50

SPECIFICATIONS:

Full Scale Output: 2 mV/V
Bridge Resistance: 1000 ohms, nominal
Material/Finish: Stainless steel
Temperature: Operating temperature range 14° to 104°F/-10°C to 40°C
Safe Overload: 150% at center loading point, full scale
Rated Excitation: 10V DC (15V maximum)
Total Error: 0.020% full scale
Insulation Resistance: 2000 megohms
Deflection at Capacity: <.5 mm at full scale

Seal Type: Hermetically sealed, IP68
Cable Length: 5 m (5000 kg) 10 m (10-20,000 kg) 20 m (30,000 kg)
Cable Color Code:
Blue ..... +Excitation
Black..... -Excitation
Green..... +Sense
Grey..... -Sense
White ..... +Signal
Red..... -Signal
Warranty: 1-year limited warranty

220 ORDER INFORMATION

Load Rating	Part #	Price
5000 kg (11,023.1 lb)	65854	$1,095.00
10,000 kg (22,046.2 lb)	65855	$1,195.00
20,000 kg (44,092.5 lb)	65856	$1,195.00
30,000 kg (66,138.7 lb)	65857	$1,195.00

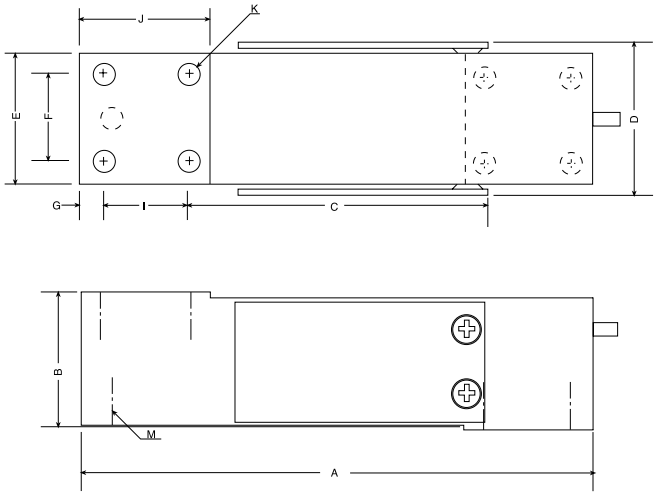
WEIGH MODULE AVAILABLE

Model	Page #
220	58

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1241 Single Point, Aluminum
OIML C3





FM APPROVED

OIML

Picture is a representation of actual product

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
Safe Overload: 150%, Full scale
Rated Excitation: 10V 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

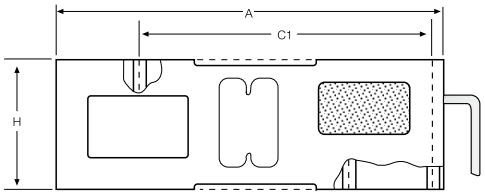
1241 ORDER INFORMATION

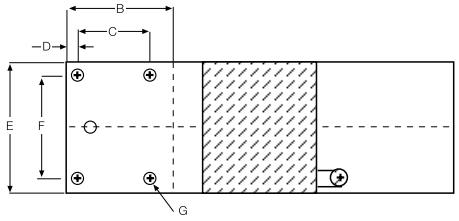
Load Rating	Part #	Price
100 kg (220.5 lb)	47876	$305.00
150 kg (330.7 lb)	47877	$305.00
200 kg (441.0 lb)	47878	$305.00
250 kg (551.3 lb)	47879	$305.00

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1260 Single Point, Aluminum
NTEP 1:5000 Class III Single Cell







FM APPROVED

Available upon request

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	C1	D	E	F	G	H
kg/mm 50-635	188	52	35	142	5.5	62.3	50	5/16-18 UNC-2B	62.3
lb/inches 110.2-1399.9	7.40	2.05	1.38	5.59	.22	2.45	1.97	5/16-18 UNC-2B	2.45

SPECIFICATIONS:

Full Scale Output:	**2.0 mV/V**
Bridge Resistance:	**350 ohms, nominal**
Material/Finish:	**Anodized aluminum**
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
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
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:	1-year limited warranty
Max Platform size:	24" x 24"

1260 ORDER INFORMATION

Load Rating	Part #	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

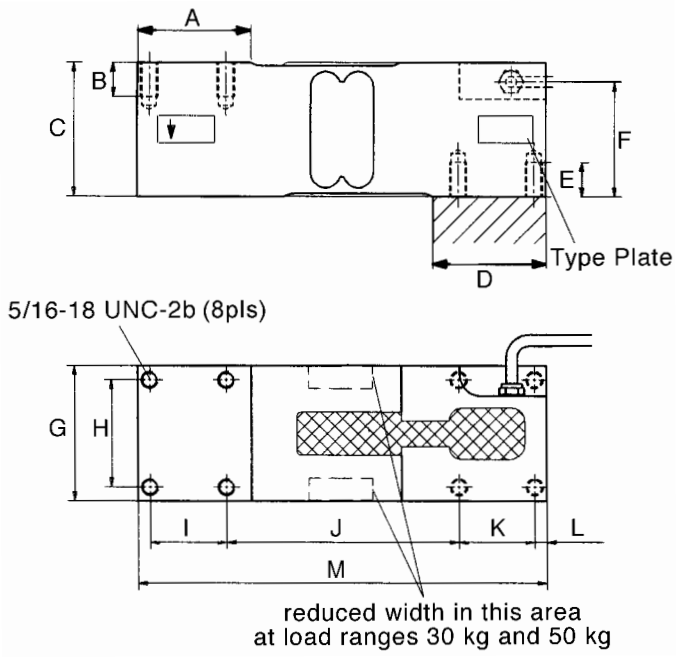
Manufacturer	Model
Rice Lake Weighing Systems	(see page 164) RL1260
HBM	(see page 247) PW16

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1260S Single Point, Aluminum
NTEP 1:10,000 Class III Single Cell



Picture is a representation of actual product



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**
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 DC (15V maximum)
Total Error:	0.02% Full scale
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
Max Platform size:	24" x 24"
Warranty:	1-year limited warranty

1260S ORDER INFORMATION

Load Rating	Part #	Price
75 kg (165.4 lb)	76395	$325.00
100 kg (220.5 lb)	76396	$325.00
150 kg (330.75)	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

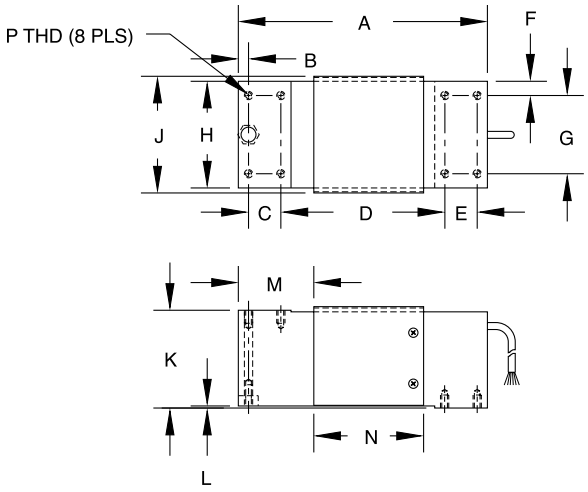
INTERCHANGEABLE PRODUCTS

Manufacturer	Model
Vishay Tedea-Huntleigh	(see previous page) 1260
Rice Lake Weighing Systems	(see page 164) RL1260

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1250 Potted Single Point, Aluminum
NTEP 1:5000 Class III Single Cell





Available upon request

Picture is a representation of actual product

RATED CAPACITY	DIMENSIONS A	B	C	D	E	F	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
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
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
Max Platform size:	24" x 24"
Warranty:	1-year limited warranty

1250 ORDER INFORMATION

Load Rating	Part #	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. 3lb)	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 #	Price
Non-NTEP w/25 ft potted Load Cell Cable		
50 kg (110.3 lb)	40944	$345.00
75 kg (165.4 lb)	40945	$345.00
100 kg (220.5 lb)	40946	$345.00
150 kg (330.7 lb)	32342	$345.00
200 kg (440.9 lb)	32341	$345.00
250 kg (551.2 lb)	40947	$345.00
300 kg (661.4 lb)	32340	$345.00

INTERCHANGEABLE PRODUCTS

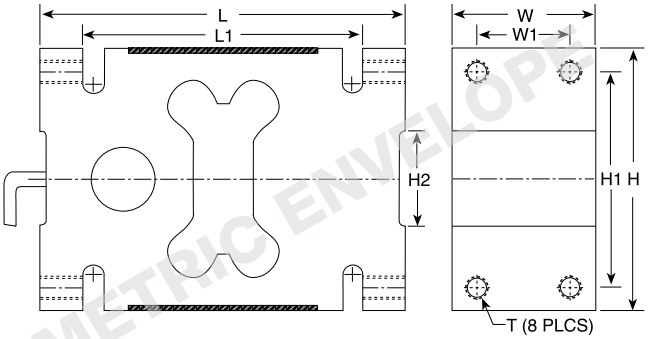
Manufacturer	Model
Rice Lake Weighing Systems	(see page 165) RL1250
Vishay Celtron	(see page 197) LOC
Revere Transducers	(see page 286) 652
Flintec	(see page 218) PCB*

** Stainless steel, hermetically sealed*

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1320 Single Point, Aluminum
NTEP 1:3000, Class III Single Cell





METRIC ENVELOPE

Available upon request

Picture is a representation of actual product

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
Bridge Resistance: 350 ohms, nominal
Material/Finish: Aluminum alloy
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload: 150% Full scale
Rated Excitation: 10V DC (15V maximum)
Total Error: 0.02% Full scale
Insulation Resistance: 2000 megohms
Deflection at Capacity: 1000-2000 kg ≤ .4 mm/.015"

Max. Platform Size: 4' x 4'/1.2 m x 1.2 m
Seal Type: Environmentally sealed
Cable Length: 5 m/16.04'
Cable Color Code: Green..... + Excitation
Black..... – Excitation
Blue ..... + Sense
Brown .... – Sense
Red..... + Signal
White ..... – Signal
Warranty: 1-year limited warranty

1320 ORDER INFORMATION

Load Rating	Part #	Price
1000 kg (2204.6 lb)	29908	$525.00
1500 kg (3306.9 lb)	29909	$525.00
2000 kg (4409.2 lb)	29910	$525.00

INTERCHANGEABLE PRODUCTS

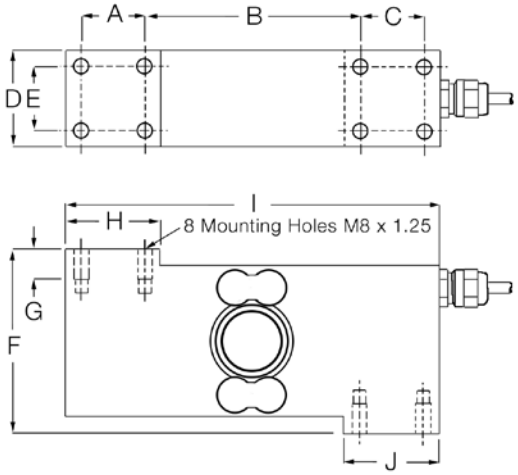
Manufacturer	Model
Vishay Celtron	(see page 199) HOC

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1510 Single Point, Stainless Steel
Welded-seal, IP68



Picture is a representation of actual product



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:

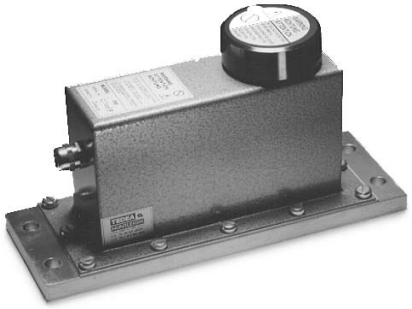
Full Scale Output:	**2.0 mV/V**
Bridge Resistance:	**350 ohms, nominal**
Material/Finish:	**Stainless steel**
Temperature:	Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload:	150% at center loading point, full scale
Rated Excitation:	10V DC (15V maximum)
Total Error:	0.020% Full scale
Insulation Resistance:	1000 megohms
Seal Type:	Welded-seal, IP68
Cable Length:	3.1 m/10'
Cable Color Code:	Green.....+ Input Black.....– Input Blue .....+ Sense Brown ....– Sense Red.....+ Output White .....– Output
Platform Size:	23.62" x 23.62"
Warranty:	1-year limited warranty

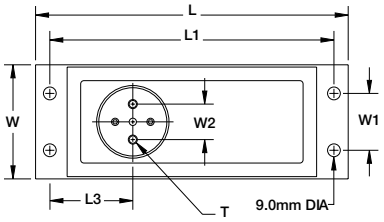
1510 ORDER INFORMATION

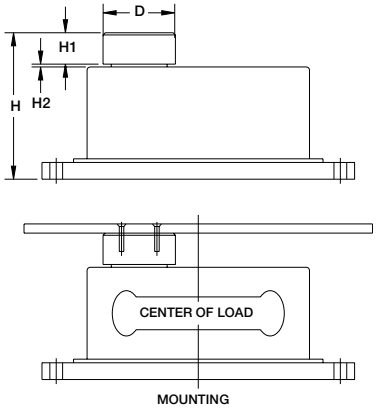
Load Rating	Part #	Price
100 kg (220.5 lb)	65851	$795.00
250 kg (551.2 lb)	65852	$795.00
500 kg (1102.3 lb)	65853	$795.00

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240 Single Point Fluid Damped Alloy Steel/Stainless Steel Casing
NTEP 1:5000 Class III Single Cell







Available upon request

Picture is a representation of actual product

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
Bridge Resistance: 350 ohms, nominal
Material/Finish: Anodized aluminum load cell in alloy steel or stainless steel enclosure
Temperature: Compensated range 14°F to 104°F/-10°C to 40°C
Safe Overload: 150% at center loading point, full scale
Rated Excitation: 10V DC (15V maximum)
Total Error: 0.025% 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: 1-year limited warranty

240 ORDER INFORMATION

Load Rating	Part #	Price
Alloy Steel*		
*2 kg (4.4 lb)	17559	$725.00
5 kg (11.0 lb)	17560	$725.00
7 kg (15.4 lb)	17561	$725.00
10 kg (22.0 lb)	17562	$725.00
15 kg (33.1 lb)	17563	$725.00
20 kg (44.1 lb)	17564	$725.00
30 kg (66.1 lb)	17565	$725.00
50 kg (110.2 lb)	17566	$725.00

240 ORDER INFORMATION

Load Rating	Part #	Price
Stainless Steel*		
*2 kg (4.4 lb)	17567	$815.00
5 kg (11.0 lb)	17568	$815.00
7 kg (15.4 lb)	17569	$815.00
10 kg (22.0 lb)	17570	$815.00
15 kg (33.1 lb)	17571	$815.00
20 kg (44.1 lb)	17572	$815.00
30 kg (66.1 lb)	17573	$815.00
50 kg (110.2 lb)	17574	$815.00

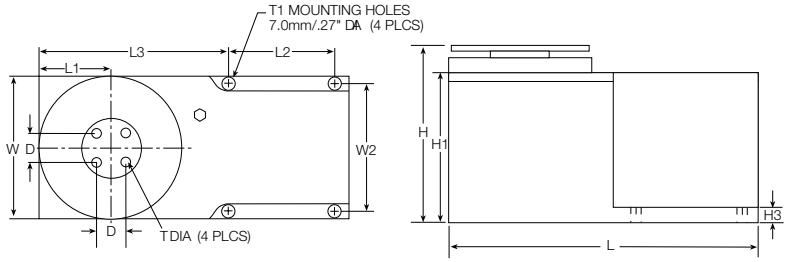
** Non-NTEP*

Note: The special fluid damped operation is particularly well-suited for applications where quick weighment is required, e.g., checkweighers

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9010 Single Point Fluid Damped Load Cell





FM APPROVED

Picture is a representation of actual product

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**
Bridge Resistance: **350 ohms, nominal**
Material/Finish: **Anodized load cell in nickel plated housing**
Temperature: Compensated range -18°C to 65°C/0°F to 150°F
Safe Overload: 800% Full scale downward, 400% Full scale upward
Rated Excitation: 15V DC (15V maximum)
Total Error: 0.03% Full scale
Insulation Resistance: 5000 megohms

Seal Type: Environmentally sealed
Cable Length: .9 m/3'
Cable Color Code: Green..... + Excitation
Black..... – Excitation
Blue ..... + Sense
Brown .... – Sense
Red..... + Signal
White ..... – Signal
Warranty: 1-year limited warranty

9010 ORDER INFORMATION

Load Rating	Part #	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 weighment 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

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Vishay Tedea-Huntleigh Model 9010 Application Definition Form

Customer's Name:_____ Number of Units:_____

Contact Person:_____ Date: _____

Application:_____

Tare Weight (Dead Load), kg: _____

Useful Weight (Live Load), kg: _____

If Checkweigher:

Size of conveyor platform (cm x cm): Length (Movement Direction) _____ Width _____

Size of weighed product in movement direction (cm): _____

Speed of belt (cm/sec): _____

Tare Weight Distribution: Conveyor (kg) _____

Motor (kg) _____

Position of motor (see sketch, cm): D _____ F _____

If not checkweigher (see sketch):

Estimate tare C. G. Position (cm): D _____ F _____

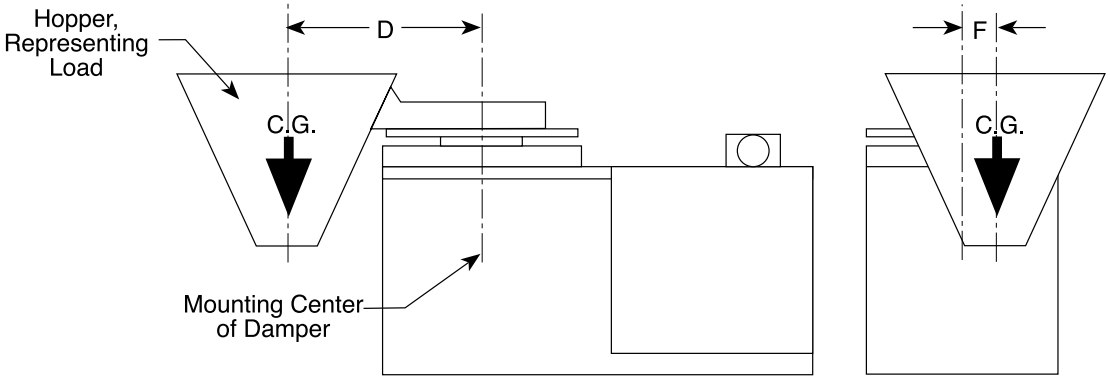
Loading position (cm): D _____ F _____ Drop Height (cm) _____

If C. G. of load varies, max. distance between extreme position (cm):_____

Describe live load (powder, fruit, screws, etc.): _____

Settling time (milliseconds): _____

Accuracy required: _____ Operating temperature range (°C): _____



Side View Front View

Return completed form to your Sales Representative.

For Factory use; do not write in space below.

Serial Numbers:_____ Sales Order #: _____

Delivery Quoted: _____ Date:_____

PLEASE USE THIS PAGE AS A MASTER. MAKE PHOTOCOPIES TO WRITE ON.

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Hardware and Accessories

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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

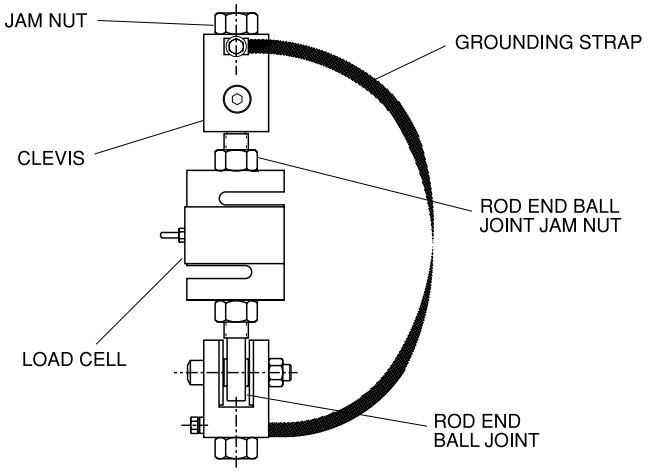
Select steel rod or any other weight-bearing components so that their minimum tensile strength is at least four times the total weight carried by that component. Note that threaded rod is generally made from a low tensile-strength mild steel which should be checked for tensile strength before use in any suspended vessel scale.

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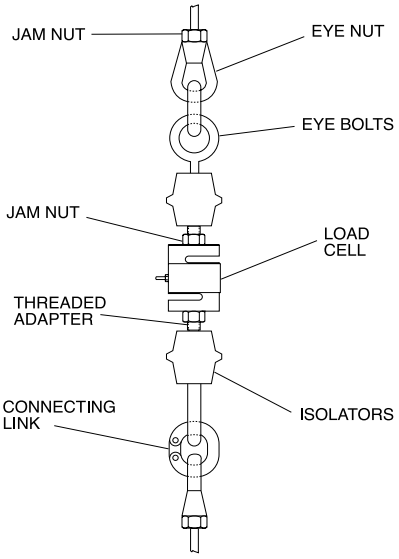
Hardware and Accessories

Mounting Assembly Component Identification

ITCM Isolated Tension Cell Mounting Assembly



Conventional Tension Mounting Assembly



Our popular ITCM Isolated Tension Cell Mounting Assembly and other conventional suspended weighing system assemblies employ a variety of serviceable hardware components. Rice Lake Weighing Systems offers a comprehensive selection of these items for all of your suspended vessel service needs. These drawings are designed to enable you to quickly identify and differentiate components from both of these common designs. All corresponding replacement hardware is located on the following pages.

Jam Nuts



Mild Steel/Stainless Steel

- Coarse or fine thread
- Zinc-plated mild steel or stainless steel

MILD STEEL

Thread Size	Part #	Price
Fine Thread:		
1/4-28 NF	14639	$0.20
3/8-24 NF	14651	$0.20
1/2-20 NF	14664	$1.15
3/4-16 NF	14687	$1.15
1-12 NF	14702	$5.05
1-14 NF	14703	$4.00
1 1/4-12 NF	14708	$2.75
1 1/2-12 NF	14711	$4.05
Mild Steel, Coarse Thread:		
1/4-20 NC	14636	$0.20
3/8-16 NC	14649	$1.50
1/2-13 NC	14661	$0.20
5/8-11 NC	14676	$1.50
3/4-10 NC	14686	$0.55
1-8 NC	14701	$0.70
1-1/4-7 NC	14707	$2.55

STAINLESS STEEL

Thread Size	Part #	Price
Stainless Steel, Fine Thread:		
1/4-28 NF	14640	$0.85
1/2-20 NF	14665	$1.30
3/4-16 NF	14688	$1.80
Stainless Steel, Coarse Thread:		
3/8-16 NC	14653	$1.50
1/2-13 NC	14662	$1.30
5/8-11 NC	14680	$1.50
3/4-10 NC	14690	$1.55

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

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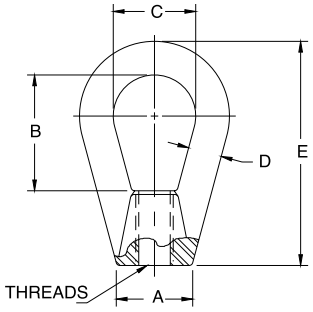
Eye Nuts

- Drop-forged steel, tapped NC right-hand threads



PART #	DIMENSIONS - INCHES (MM) A	B	C	D	E	THREAD SIZE	SAFE LOAD*	PRICE
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)	$17.00
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)	$17.00
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)	$32.00
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)	$37.00
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)	$46.00
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)	$117.00

** Do not exceed the safe load*



Coupling Nuts

- Heavy hex



PART #	THREAD SIZE	LENGTH INCHES (MM)	FLAT INCHES (MM)	SAFE LOAD*	PRICE
14638	1/4-20 NC	1.75 (44.5)	0.44 (11.2)	500 lb (226.8 kg)	$4.50
14650	3/8-16 NC	1.75 (44.5)	0.62 (15.8)	1500 lb (680.4 kg)	$5.00
14663	1/2-13 NC	1.75 (44.5)	0.87 (22.1)	3000 lb (1360.8 kg)	$5.00
14681	5/8-11 NC	2.12 (53.8)	1.06 (26.9)	7500 lb (3402.0 kg)	$7.85
14691	3/4-10 NC	2.25 (57.1)	1.25 (31.8)	10,000 lb (4535.9 kg)	$8.75

** Do not exceed the safe load*

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

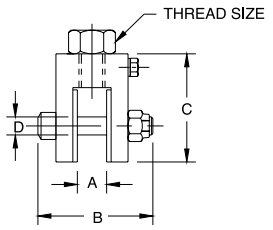
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Hardware and Accessories

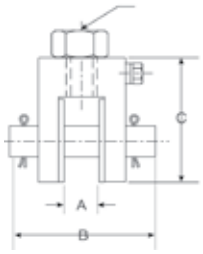
Clevis Mount Assemblies

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



Clevis Mount with bolt



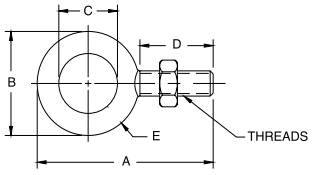
Clevis Mount with pin

PART #	DIMENSIONS - INCHES (MM) A		B		C		D		THREAD SIZE	SAFE LOAD*		PRICE
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)	$72.00
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)	$72.00
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)	$76.00
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)	$76.00
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)	$76.00
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)	$76.00
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)	$76.00
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)	$76.00
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)	$76.00
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)	$280.00
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)	$280.00
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)	$145.00
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)	$145.00
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)	$145.00
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)	$145.00
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)	$195.00
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)	$195.00
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)	$195.00
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)	$195.00

** Do not exceed the safe load*

Load Cell Eye Bolts

- One jam nut included with each eye bolt





PART #	DIMENSIONS - INCHES (MM) A		B		C		D		E		THREAD SIZE	SAFE LOAD*		PRICE
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)	$9.50
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	1300 lb	589.7 kg)	$9.50
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	2400 lb	(1088.6 kg)	$12.50
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)	$15.50
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	5000 lb	(2267.9 kg)	$21.00
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)	$51.00
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)	$53.00
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)	$59.00
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)	$13.50
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	1300 lb	(589.7 kg)	$13.50
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	2400 lb	(1088.6 kg)	$11.25
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)	$16.25
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	5000 lb	(2267.9 kg)	$21.50
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)	$33.00
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)	$59.00
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	5000 lb	(2267.9 kg)	$21.00

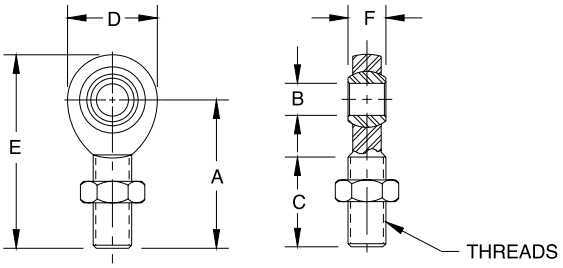
** Do not exceed the safe load*

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

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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




Teflon Lined Standard

PART #	DIMENSIONS - INCHES (MM) A	B	C	D	E	F	THREAD SIZE	SAFE LOAD*	BREAKING STRENGTH	TEFLON LINED	PRICE
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	$19.00
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	$15.00
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	$46.00
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	$63.00
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	$20.00
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	$28.00
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	$15.00
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	$46.00
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	$67.00
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	$83.00
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	$252.00
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	$312.00
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	$226.00
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	$263.00
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	$320.00
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	$115.00
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	$115.00
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	$125.00
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	$225.00

** 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)	PRICE
17778	12 (304.8)	$10.25
17779	14 (355.6)	$12.00
17780	16 (406.4)	$13.00
17781	24 (609.6)	$13.25
17782	32 (812.8)	$19.50

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

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Hardware and Accessories

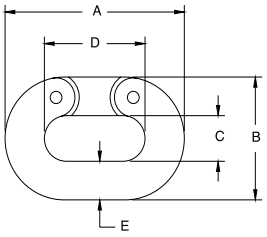
Connecting Links

- Drop-forged carbon steel, heat-treated, hot-dipped galvanized finish



PART #	DIMENSIONS - INCHES (MM) A		B		C		D		E		SAFE LOAD*		PRICE
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)	$20.00
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)	$22.00
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)	$23.00
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)	$35.00
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)	$51.00
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)	$78.00

** 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 INCHES (MM)		INCHES (MM)		SAFE LOAD*		PRICE
17722	3/8-16 NC	2.50	(63.5)	2.50	(63.5)	600 lb	(272.2 kg)	$27.00
17724	1/2-13 NC	2.50	(63.5)	2.50	(63.5)	600 lb	(272.2 kg)	$35.00
17726	1/2-20 NF	2.50	(63.5)	2.50	(63.5)	600 lb	(272.2 kg)	$37.00
17725	1/2-13 NC	2.43	(61.7)	2.00	(50.8)	3000 lb	(1360.8 kg)	$67.00
17723	3/8-24 NF	2.50	(63.5)	2.50	(63.5)	600 lb	(272.2 kg)	$67.00
17728	1/2-13 NC x 1/2-20 NF	2.50	(63.5)	2.50	(63.5)	600 lb	(272.2 kg)	$38.00
17732	1/4-20 NC	1.00	(25.4)	1.12	(28.4)	250 lb	(113.4 kg)	$31.00

** Do not exceed the safe load*

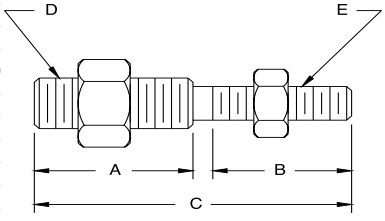
Threaded Adapters

- For coupling isolators with load cells and steelyard rods
- Supplied with jam nuts
- Now in stronger, more durable stainless steel



PART #	DIMENSIONS - INCHES (MM) A		B		C		D	E	SAFE LOAD*		PRICE
33561	—	—	—	—	2.00	(50.8)	1/4-28 NF	1/4-28 NF	300 lb	(136.1 kg)	$10.25
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)	$16.00
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)	$10.25
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)	$10.25
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)	$15.25
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)	$15.25
33568	—	—	—	—	2.00	(50.8)	3/8-24 NF	3/8-24 NF	500 lb	(226.8 kg)	$15.25
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)	$19.00
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)	$15.25
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)	$15.25
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)	$14.25
33573	—	—	—	—	2.06	(52.3)	1/2-20 NF	1/2-20 NF	3000 lb	(1360.8 kg)	$14.25
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)	$15.25
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)	$17.25

** Do not exceed the safe load*



Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

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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	PRICE
Mild Steel:					
300 lb (136.1 kg)	17968	3/8-16	3/8-24	300 lb (136.1 kg)	$175.00
300 lb (136.1 kg)	17969	1/2-13	3/8-24	300 lb (136.1 kg)	$175.00
500 lb (226.8 kg)	17894	3/8-16	1/4-28	500 lb (226.8 kg)	$175.00
500 lb (226.8 kg)	17895	1/2-13	1/4-28	500 lb (226.8 kg)	$175.00
2000 lb (907.2 kg)	17896	1/2-13	1/2-20	2000 lb (907.2 kg)	$200.00
2500 lb (1134.0 kg)	17897	5/8-11	1/2-20	2500 lb (1134.0 kg)	$200.00
4000 lb (1814.4 kg)	17898	3/4-10	1/2-20	4000 lb (1814.4 kg)	$200.00
5000 lb (2268.0 kg)	17899	3/4-10	3/4-16	5000 lb (2268.0 kg)	$260.00
10,000 lb (4535.9 kg)	17900	1-8	3/4-16	10,000 lb (4535.9 kg)	$260.00
†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)	$400.00
300 lb (136.1 kg)	33631	1/2-13	3/8-24	300 lb (136.1 kg)	$400.00
500 lb (226.8 kg)	33632	3/8-16	1/4-28	500 lb (226.8 kg)	$400.00
500 lb (226.8 kg)	33633	1/2-13	1/4-28	500 lb (226.8 kg)	$400.00
2000 lb (907.2 kg)	33634	1/2-13	1/2-20	2000 lb (907.2 kg)	$500.00
2500 lb (1134.0 kg)	33635	5/8-11	1/2-20	2500 lb (1134.0 kg)	$500.00
3000 lb (1360.8 kg)	33636	3/4-10	1/2-20	3000 lb (1360.8 kg)	$500.00
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

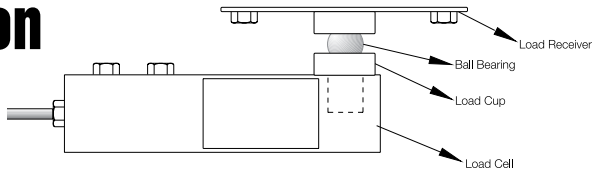
Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.
Note: Replacement parts for mounts can be in the Replacement Parts Catalog.

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Hardware and Accessories

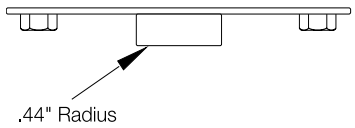
Ball and Cup Load Introduction

- Design offers accurate point loading
- Self-centering effect built in
- Ease of manufacture for custom applications

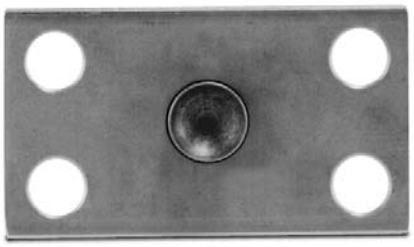


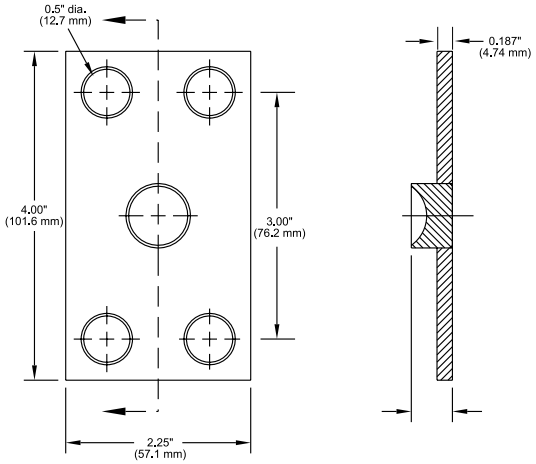
Load Receiver

- 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 #	PRICE
18832	$41.00 each





Ball Bearings

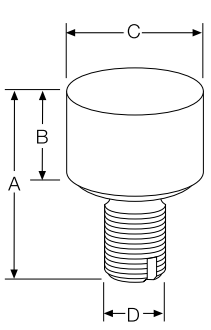
- Use with load cup and load receiver to build a custom scale
- 52100 chrome alloy steel



PART #	DIAMETER	PRICE
18815	5/8" crush strength 32,000 lbs	$9.00
18816	7/8" crush strength 59,000 lbs	$11.00

Load Cups

- Ball and cup load introduction provides point loading for maximum accuracy
- For use with most popular single-ended beams



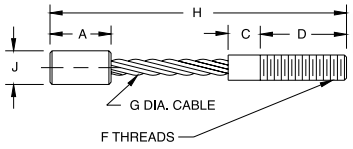


PART #	DIMENSIONS - INCHES (MM) A	B	C	D	PRICE
31911	1.70 (43.2)	0.54 (13.7)	1.07 (27.2)	1/2-20 NF	$38.00
33654	1.12 (28.4)	0.54 (13.7)	0.78 (19.8)	1/2-20 NF	$25.00
33653	1.50 (38.1)	0.80 (20.3)	1.12 (28.4)	3/4-16 NF	$27.00
33652	2.00 (50.8)	0.85 (21.6)	1.75 (44.5)	1-12 NF	$72.00
33651	2.85 (72.4)	0.85 (21.6)	1.75 (44.5)	1-12 NF	$99.00
33650	2.85 (72.4)	0.85 (21.6)	1.75 (44.5)	1-14 NF	$99.00
33647	2.75 (69.9)	0.50 (12.7)	0.75 (19.1)	1/2-20 NF	$33.00
72364	1.78 (45.2)	0.53 (13.4)	0.78 (19.8)	1/2-20 NF	$47.00
69431	Replacement cup for Cardinal SCA-50 K load cell				$46.00

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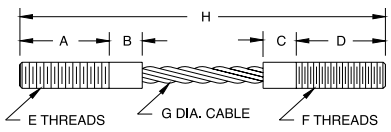
Wire Rope Assemblies

- Wire rope assemblies provide better alignment and greatly increase load cell repeatability. In addition, they act as natural vibration dampeners.





PART #	DIMENSIONS - INCHES (MM) A	C	D	F	G	H	J	SAFE LOAD*	PRICE
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)	$37.00





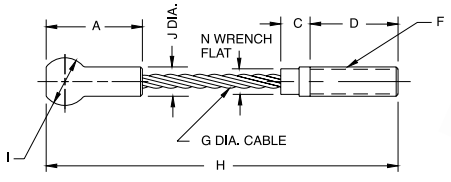
PART #	DIMENSIONS - INCHES (MM) A	B & C	D	E	F	G	H	SAFE LOAD*	PRICE
17760	0.87 (22.1)	0.50 (12.7)	0.87 (22.1)	1/4-20 NC-2A	1/4-28 NF-2A	0.12 (3.1)	4.00 (101.6)	400 lb (181.4 kg)	$31.00
17762	1.25 (31.8)	0.50 (12.7)	1.25 (31.8)	3/8-16 NC-2A	3/8-24 NF-2A	0.18 (4.6)	5.00 (127.0)	850 lb (385.6 kg)	$47.00
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)	$47.00
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)	$47.00
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)	$50.00
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)	$95.00
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)	$74.00
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)	$39.00
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)	$55.00

** Do not exceed the safe load*

*** Used with Rice Lake Weighing Systems Flexure Bases*

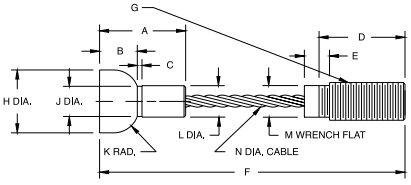
Cardinal Wire Rope Replacement Assemblies

EL208 Cardinal wire rope assembly. Used on 7500 lb (3402.0 kg) capacity FH model and 8000 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) A	B	C	D	E	F	G	H	I	J	K	L & M	N	PRICE
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)	$55.00
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)	0.375 (9.5)	$64.00

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
B ... Shank Length
C ... Shank Length
D ... Thread Length
E ... Threads
F ... Threads
G ... Rope Diameter
H ... Overall Length
I ... Ball Diameter
J ... Shank Diameter
K ... Safe Load
L ... Environment
M ... Application

* Use drawings above for reference

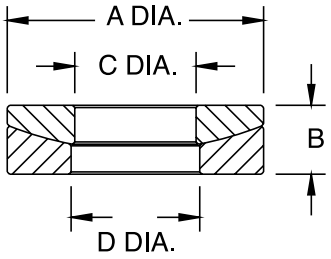
Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

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Hardware and Accessories

Spherical Washer Sets



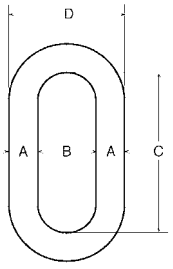


PART #	BOLT SIZE	DIMENSIONS - INCHES (MM) A	B	C	D	PRICE
Mild Steel:						
15196	0.25 (6.4)	0.62 (15.8)	0.20 (5.1)	0.28 (7.1)	0.31 (7.9)	$6.75
15197	0.38 (9.7)	0.88 (22.4)	0.25 (6.4)	0.41 (10.4)	0.44 (11.2)	$8.75
15198	0.50 (12.7)	1.12 (28.5)	0.31 (7.9)	0.53 (13.5)	0.56 (14.2)	$9.25
15199	0.62 (15.8)	1.38 (35.1)	0.31 (7.9)	0.66 (16.8)	0.69 (17.5)	$10.25
15200	0.75 (19.1)	1.62 (41.1)	0.38 (9.7)	0.78 (19.8)	0.81 (20.6)	$16.50
15201	1.00 (25.4)	2.00 (50.8)	0.50 (12.7)	1.06 (26.9)	1.12 (28.5)	$26.00
15202	1.25 (31.8)	2.62 (66.6)	0.50 (12.7)	1.31 (33.3)	1.38 (35.1)	$35.00
15203	1.50 (38.1)	2.88 (73.2)	0.53 (13.5)	1.56 (39.6)	1.62 (41.1)	$63.00
15204	1.75 (44.5)	3.25 (82.6)	0.69 (17.5)	1.81 (46.0)	1.88 (47.8)	$87.00
15205	2.00 (50.8)	3.88 (98.6)	0.81 (20.6)	2.06 (52.3)	2.12 (53.8)	$95.00
Stainless Steel:						
33218	0.50 (12.7)	1.12 (28.5)	0.31 (7.9)	0.53 (13.5)	0.56 (14.2)	$14.00
33220	0.75 (19.1)	1.62 (41.1)	0.38 (9.7)	0.78 (19.8)	0.81 (20.6)	$24.00

Weldless End Links



- Self colored or hot-dip galvanized
- Forged carbon steel—quenched and tempered



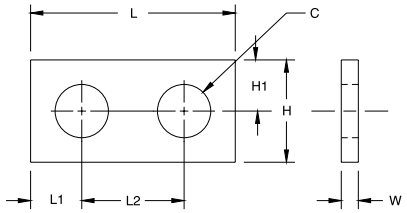
PART #	DIMENSIONS - INCHES (MM) A	B	C	D	SAFE LOAD*	PRICE
F312L	0.625 (15.9)	1.00 (25.4)	3.25 (82.6)	2.32 (58.9)	9300 lb (4218.4 kg)	$30.00
17810	0.875 (22.2)	2.00 (50.8)	5.13 (130.3)	3.75 (95.3)	12,000 lb (5443.1 kg)	$105.00
21911	1.00 (22.2)	2.25 (57.2)	5.75 (146.1)	4.25 (108.0)	15,200 lb (6894.6 kg)	$250.00
65430	1.25 (31.8)	2.50 (63.5)	7.00 (177.8)	5.00 (127.0)	26,400 lb (11,974.9 kg)	$111.00
21912	1.375 (34.9)	2.75 (69.9)	7.75 (196.9)	5.50 (139.7)	30,000 lb (13,607.8 kg)	$305.00

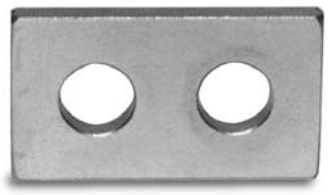
** Do not exceed the safe load*

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Load Cell Spacers

- Use with most popular single-ended beams
- Provides flat mounting surface required for optimum load cell performance
- Zinc-plated mild steel or stainless steel



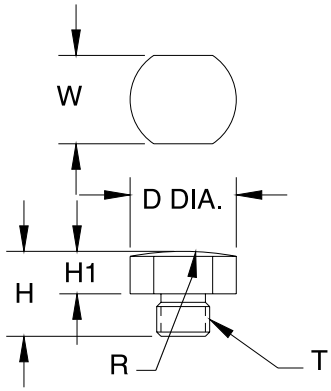


PART #	C	H	H1	L	L1	L2	W	PRICE
	DIMENSIONS - INCHES (MM)							
Mild Steel:								
17754	0.53 (13.4)	1.25 (31.8)	0.62 (15.7)	2.25 (57.2)	0.62 (15.7)	1.00 (25.4)	0.25 (6.4)	$18.00
17755	0.78 (19.8)	1.50 (38.1)	0.75 (19.1)	3.00 (76.2)	0.75 (19.1)	1.50 (38.1)	0.25 (6.4)	$18.25
17756	1.03 (26.2)	2.00 (50.8)	1.00 (25.4)	4.00 (101.6)	1.00 (25.4)	2.00 (50.8)	0.25 (6.4)	$19.25
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)	$21.00
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)	$26.00
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)	$22.00
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)	$21.00

Load Button

- Suitable for use with compression mounting assemblies, canisters, S-beams and single-ended beams
- Hardened alloy steel





PART #	T	D	H	H1	R	W	PRICE
	DIMENSIONS - INCHES (MM)						
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)	$18.25
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)	$18.25
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)	$21.00

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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	DIMENSIONS - INCHES (MM) BASE HT.	TOTAL HT.	DIAMETER	PRICE
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-2B	0.875	3.25 (82.3)	4.40 (111.76)	$86.00
39022	Mild Steel	3/4-16 UNF-2B	0.0875	4.06	5.40	$125.00

Flintec Adjustable Rubber Foot

- Designed for platform scales containing Flintec SLB load cell
- Blind hole introduction
- Low profile
- Height adjustable by rotation
- Including spacer



Flintec SLB, SB4, SB5, SB14 and SB6

PART #	FOOT DIAMETER INCHES (MM)	LOAD CELL CAPACITY	PRICE
46230	2.36 (60)	200-500 lb	$56.00
77561	3.14 (80)	1000-5000 lb	$56.00

Flintec BK2

PART #	FOOT DIAMETER INCHES (MM)	LOAD CELL CAPACITY	PRICE
87096	3.14 (80)	200 kg-2000 kg	$56.00

Bench Scale Feet

Rubber Pad

- 1/4-20 NC threads



PART #	PRICE
35128	$12.25 each

Stainless Steel

- 3/8-16 threads



PART #	PRICE
19141	$5.50 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
- Zinc plated carbon 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)	PRICE
74585	1.87 (47.5)	3" (76.2)	$28.00
74586	2.00 (50.8)	3" (76.2)	$28.00
74587	2.50 (63.5)	3" (76.2)	$28.00
73801	3.00 (76.2)	3" (76.2)	$28.00

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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)	PRICE
74578	1.87 (47.5)	1/2-20 UNF	3.5 (88.9)	$40.00
74579	2.00 (50.8)	1/2-20 UNF	3.5 (88.9)	$40.00
74580	2.50 (63.5)	1/2-20 UNF	3.5 (88.9)	$40.00
74581	3.00 (76.2)	1/2-20 UNF	3.5 (88.9)	$40.00
74582	3.00 (76.2)	3/4-16 UNF	4.5 (114.3)	$50.00
74583	3.00 (76.2)	1-12 UNF	4.5 (114.3)	$60.00
74584	3.00 (76.2)	1-14 UNF	4.5 (114.3)	$60.00

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)	PRICE
74572	1.87 (47.5)	1/2-20 UNF	3.5 (88.9)	$58.00
74573	2.00 (50.8)	1/2-20 UNF	3.5 (88.9)	$58.00
73800	2.50 (63.5)	1/2-20 UNF	3.5 (88.9)	$58.00
74574	3.00 (76.2)	1/2-20 UNF	3.5 (88.9)	$58.00
74575	3.00 (76.2)	3/4-16 UNF	4.5 (114.3)	$68.00
74576	3.00 (76.2)	1-12 UNF	4.5 (114.3)	$88.00
74577	3.00 (76.2)	1-14 UNF	4.5 (114.3)	$88.00
*92380	2.50 (63.5)	1/2-20 UNF	3.5 (88.9)	$58.00

*Stem is fully threaded

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)	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 379

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Hardware and Accessories

Leveling Mount

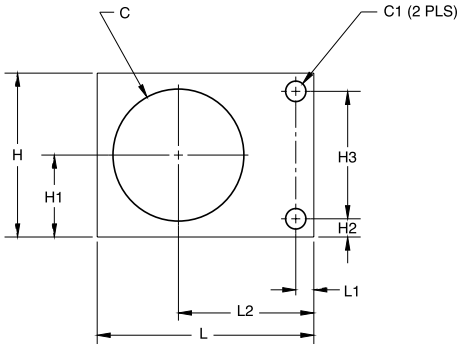
- Designed for use with some floor scales or machinery platforms. Can be used as a replacement foot on the “SP” floor scale to limit vibrations transmitted to the scale through the floor
- Provides vibration isolation on most portable platforms

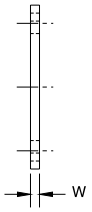


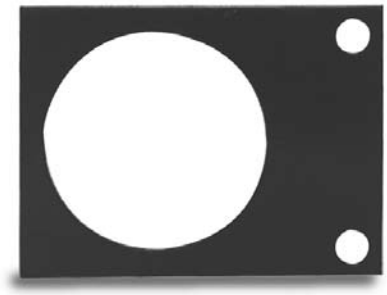
PART #	THREAD SIZE	HEIGHT INCHES (MM)	DIAMETER INCHES (MM)	PRICE
18819	1/2-13 NC	1.81 (46.0)	5.00 (127.0)	$100.00

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



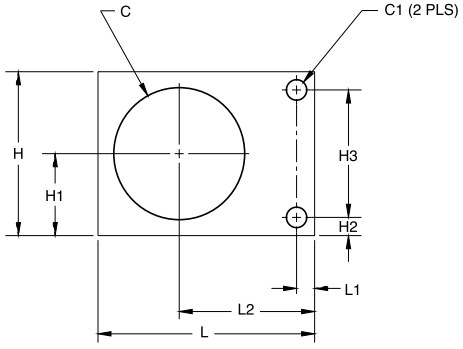


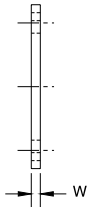


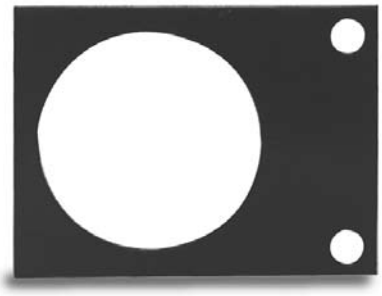
PART #	MTL.	DIMENSIONS - INCHES (MM) C	C1	H	H1	H2	H3	L	L1	L2	W	PRICE
19075	MS	3.62 (91.9)	0.56 (14.2)	4.50 (114.3)	2.25 (57.2)	0.50 (12.7)	3.50 (88.9)	6.00 (152.4)	0.50 (12.7)	3.75 (95.3)	0.25 (6.4)	$15.00
19076	SS	3.62 (91.9)	0.56 (14.2)	4.50 (114.3)	2.25 (57.2)	0.50 (12.7)	3.50 (88.9)	6.00 (152.4)	0.50 (12.7)	3.75 (95.3)	0.25 (6.4)	$18.00

Summit® 3000 Scale Base Mounting Plates

- Mounting plate for DIGI® Summit® 3000 floor scales
- Available in mild steel painted DIGI® green





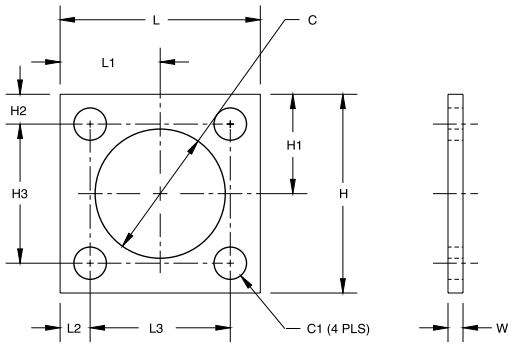


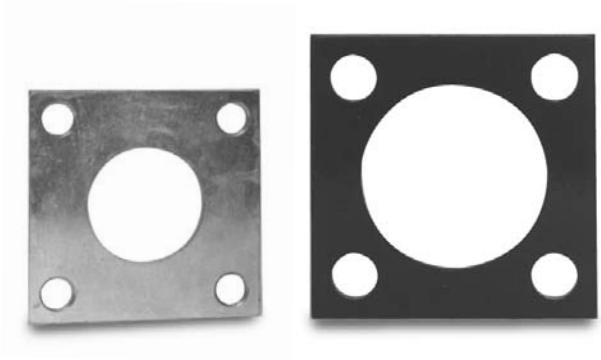
PART #	MTL.	DIMENSIONS - INCHES (MM) C	C1	H	H1	H2	H3	L	L1	L2	W	PRICE
76149	MS	3.19 (81.0)	0.56 (14.2)	4.50 (114.3)	2.25 (57.2)	0.50 (12.7)	3.50 (88.9)	6.00 (152.4)	0.50 (12.7)	3.75 (95.3)	0.25 (6.4)	$15.00

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Floor Scale Mounting Plates

- Suitable for use with leveling pads
- Generic mounting plate for popular floor scales
- Fits most floor scale foot assemblies
- Available in stainless steel and mild steel (mild steel parts are zinc plated/painted)

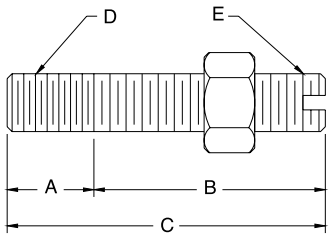




PART #	C	C1	H	H1	H2	H3	L	L1	L2	L3	W	PRICE
	DIMENSIONS - INCHES (MM)											
Mild Steel:												
18737	2.00 (50.8)	0.53 (13.5)	4.00 (101.6)	2.00 (50.8)	0.50 (12.7)	3.00 (76.2)	4.00 (101.6)	2.00 (50.8)	0.50 (12.7)	3.00 (76.2)	0.25 (6.4)	$8.00
18738	3.25 (82.6)	0.81 (20.6)	5.00 (127.0)	2.50 (63.5)	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 #	A	B	C	D	E	SLOT	MATERIAL	PRICE
	DIMENSIONS - INCHES (MM)							
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	$14.50
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	$14.50
17695	0.75 (19.1)	2.00 (50.8)	2.75 (69.9)	3/4-10 NC	3/4-16 NF	NO	SS	$27.00

Used in conjunction with Leveling Pad on page 371

Warning: Do not use to suspend a load

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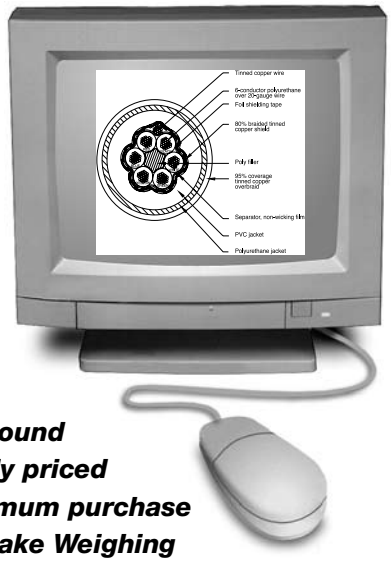
Hardware and Accessories

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

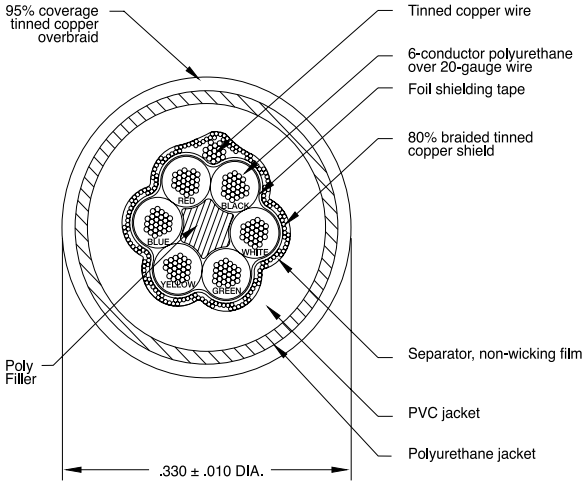
Approvals:
- UL listed
- CSA

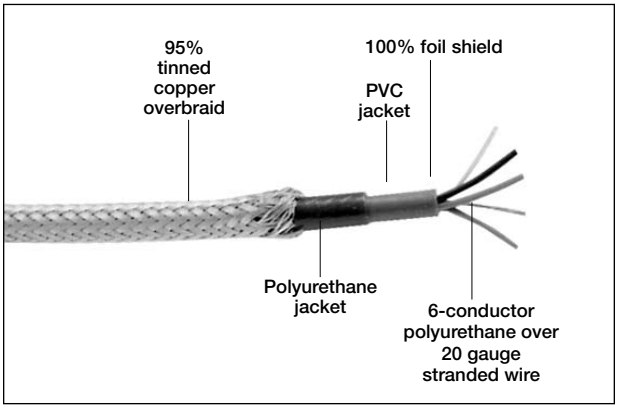
EL147RP Rodent Protection Cable

- Tinned copper overbraid provides superior rodent and abrasion deterent
- Enhanced EMI/RFI protection
- 6-conductor industry-standard color code
- Ideal for truck and railroad track scales
- Diameter: 0.33" (8.38 mm)
- Temperature rating -30c to 80c

PART #		DESCRIPTION - CONTINUOUS FEET (M)/ROLL	PRICE
31475	Custom length	6-Conductor Hostile Environment Cable	$3.40/ft
53204	100 (30.5)	6-Conductor Hostile Environment Cable	$315.00
53206	250 (76.2)	6-Conductor Hostile Environment Cable	$785.00
53207	500 (152.4)	6-Conductor Hostile Environment Cable	$1,615.00
53208	1000 (304.8)	6-Conductor Hostile Environment Cable	$2,895.00

EL147RP





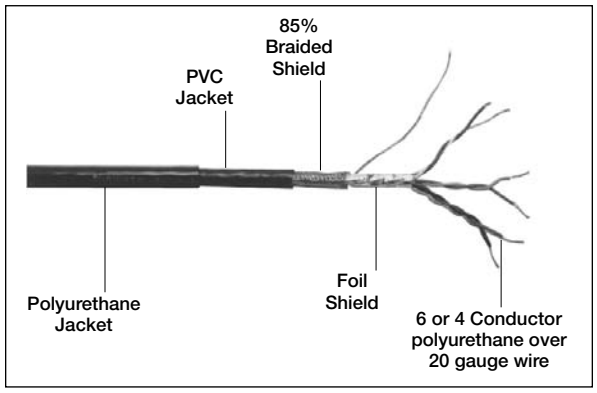
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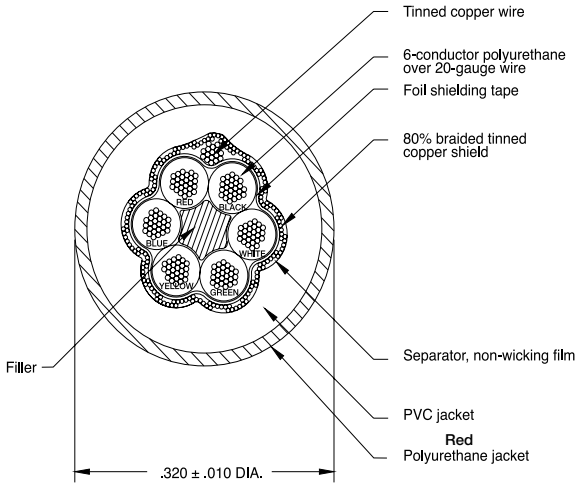
Hostile Environment Load Cell Cable

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
- Temperature rating: -30c to 80c

PART #	DESCRIPTION - CONTINUOUS FEET (M)/ROLL			PRICE
15510	100	(30.5)	4-Conductor Hostile Environment Cable	$145.00
15511	250	(76.2)	4-Conductor Hostile Environment Cable	$355.00
15512	500	(152.4)	4-Conductor Hostile Environment Cable	$685.00
15513	1000	(304.8)	4-Conductor Hostile Environment Cable	$1,295.00
15494	Custom Length		4-Conductor Hostile Environment Cable	$1.50/ft
15520	100	(30.5)	6-Conductor Hostile Environment Cable	$210.00
15521	250	(76.2)	6-Conductor Hostile Environment Cable	$495.00
15522	500	(152.4)	6-Conductor Hostile Environment Cable	$950.00
15523	1000	(304.8)	6-Conductor Hostile Environment Cable	$1,795.00
15496	Custom Length		6-Conductor Hostile Environment Cable	$2.30/ft



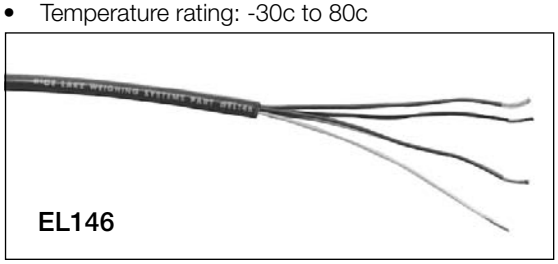


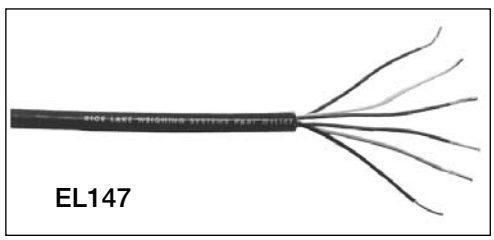
Standard Load Cell Cable

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
- Temperature rating: -30c to 80c

PART #	DESCRIPTION - CONTINUOUS FEET (M)/ROLL			PRICE
15505	100	(30.5)	4-Conductor Cable	$115.00
15506	250	(76.2)	4-Conductor Cable	$235.00
15507	500	(152.4)	4-Conductor Cable	$495.00
15508	1000	(304.8)	4-Conductor Cable	$795.00
15493	Custom Length		4-Conductor Cable	$1.20/ft
15515	100	(30.5)	6-Conductor Cable	$165.00
15516	250	(76.2)	6-Conductor Cable	$410.00
15517	500	(152.4)	6-Conductor Cable	$755.00
15518	1000	(304.8)	6-Conductor Cable	$1,495.00
15495	Custom Length		6-Conductor Cable	$1.85/ft


EL146


EL147

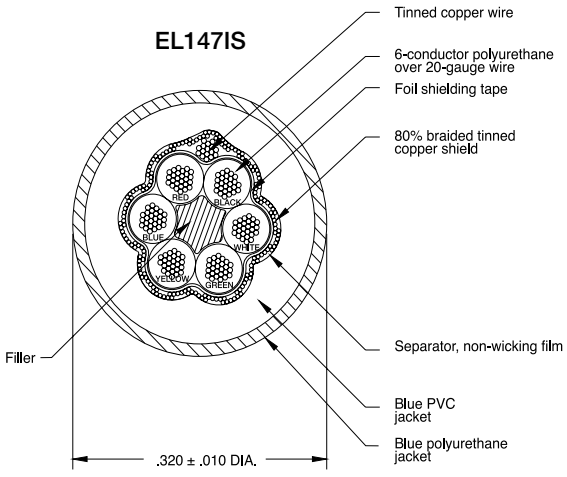
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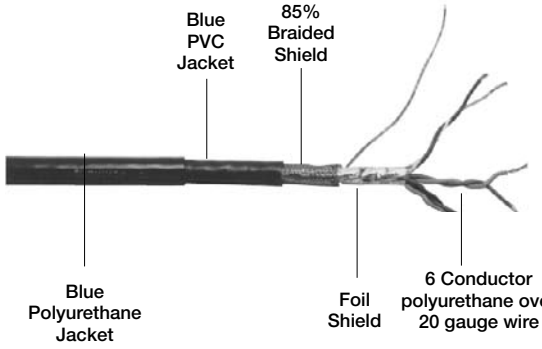
Hardware and Accessories

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 (Also available 3 conductor)
- Diameter— 0.32" (8.1 mm)
- Suited for longer runs where remote sense lines can be used
- Temperature rating: -30c to 80c

PART #	DESCRIPTION	PRICE
32817	EL147IS, 6 conductor	$2.65/ft
72241	HE blue jacket, shielded 3 conductor	$3.75/ft





Now Available in 500 & 1000 ft Rolls

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)

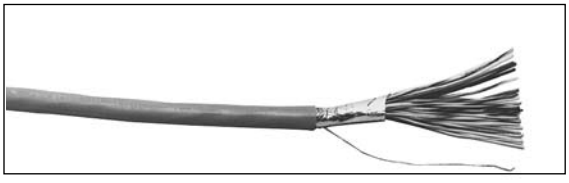
PART #	DESCRIPTION	PRICE
32803	EL144	$0.70/ft
72072	EL144, 500 ft	$275.00
72693	EL144, 1000 ft	$495.00



BCD Cable

- Sheathed in gray PVC
- Mylar aluminum foil shield with stranded tinned copper drain wire
- Diameter: 0.375" (9.5 mm)

PART #	DESCRIPTION	PRICE
15497	BCD, 24 AWG, 30-conductor	$18.00/ft



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Fiber Optic Cable

- Duplex cable polyethylene black jacket material
- 4.4 + 0.10 mm outer diameter of duplex cable
- 2.2 + 0.007 mm single cable outer diameter
- Operating temperature: -55˚C to 70˚C



Color Code
Black-TXD
Blue-RXD

PART #	DESCRIPTION	PRICE
78910	Custom length	$1.30/ft
78026	100 ft cable (30.48 m)	$130.00
78027	200 ft cable (60.96 m)	$258.00
78028	300 ft cable	$415.00
83052*	Fiber optic connector	38.00
80892	Fiber optic cable cutter	7.00
85548	Fiber optic hot knife	45.00

* Duplex fiber cable requires two connectors

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
- 6 wire or 6 conductor
- 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

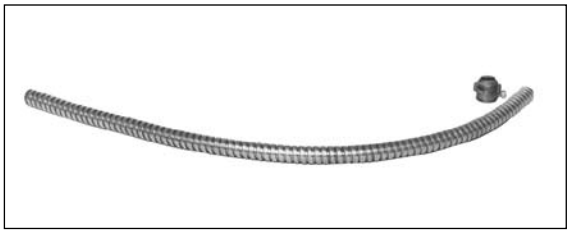
Teflon is a registered trademark of E.I. Dupont.



PART #	DESCRIPTION	PRICE
15605	EL620HE	$9.00/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	PRICE
17808	Galvanized steel	$2.15/ft
17806	Stainless steel	$4.10/ft
17807	Optional end fitting	$1.75 each

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Hardware and Accessories

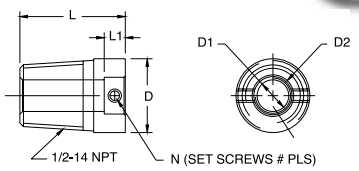
Load Cell Conduit Adapters

- Used to adapt conduit to load cells
- 303 stainless steel



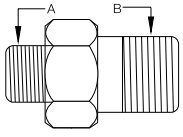
PART #	DIMENSIONS - INCHES (MM) D	D1	D2	L	L1	PRICE
Clamp-On:						
17680*	1.38 (35.1)	0.44 (11.2)	1.00 (25.4)	1.69 (42.9)	0.72 (18.3)	$47.00
17681	0.85 (21.6)	0.38 (9.7)	0.44 (11.2)	1.25 (31.8)	0.38 (9.7)	$33.00

** Discontinued; limited to quantities on hand*



PART #	DIMENSIONS A	B	PRICE
Thread-On:			
31533	3/8-24 UNF	—	$27.00
31534	—	1/4-18 NPT	$27.00
31535	5/8-18 UNF	1/2-14 NPT	$38.00

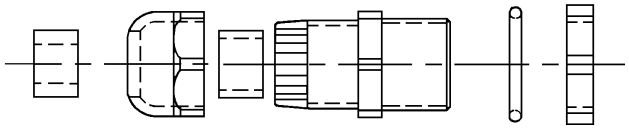
Note: 31533 and 31534 are used together to form male-to-male adapter





Cord Grip Assemblies

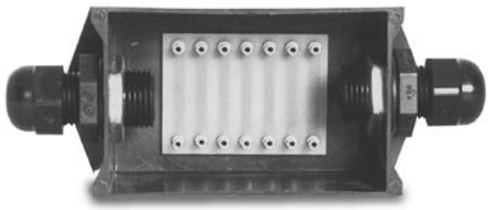
- Assemblies include cord grip, locknut, "O"-ring seal, gray and black reducer glands
- Fittings are made of weather- and corrosion-resistant nylon



PART #	THREAD	PANEL HOLE DIAMETER-INCHES (MM)	GLAND CABLE RANGES—INCHES (MM) REGULAR (BLACK)	REDUCER (GRAY)	PRICE
15669	PCN9	0.625 (15.9)	.157 - .314 (4.0 - 8.0)	.118 - .236 (3.0 - 6.0)	$4.25
15670	3/8 NPT	0.687 (17.4)	.157 - .314 (4.0 - 8.0)	.118 - .236 (3.0 - 6.0)	$3.95
15671	1/2 NPT	0.844 (21.4)	.236 - .472 (6.0 - 12.0)	.200 - .354 (5.1 - 9.0)	$4.65

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, pre-measured 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.

SUGGESTED PART #	DESCRIPTION	PRICE
15485	EL214	$95.00

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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	PRICE
15486	EL214T	$105.00

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	PRICE
15612	EL215	$55.00

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)	PRICE
18412	For SB4, 225-5200lb (102.1-2358.7kg)	10' (3.1 m)	$310.00
18413	For SB4, 11250 - 22,500 lb	15' (4.6 m)	$345.00

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EL148 HE Replacement Toledo® Power Cell® Cable

- 100% stainless steel military connector-electro deposited nickel plating with stainless banding and epoxy heat shrink strain relief
- Stainless steel artic ring precision cut for improved connection
- Textured rubber boot for additional grip
- Standard Mettler Toledo color code
- All lengths available including standard listed below cables



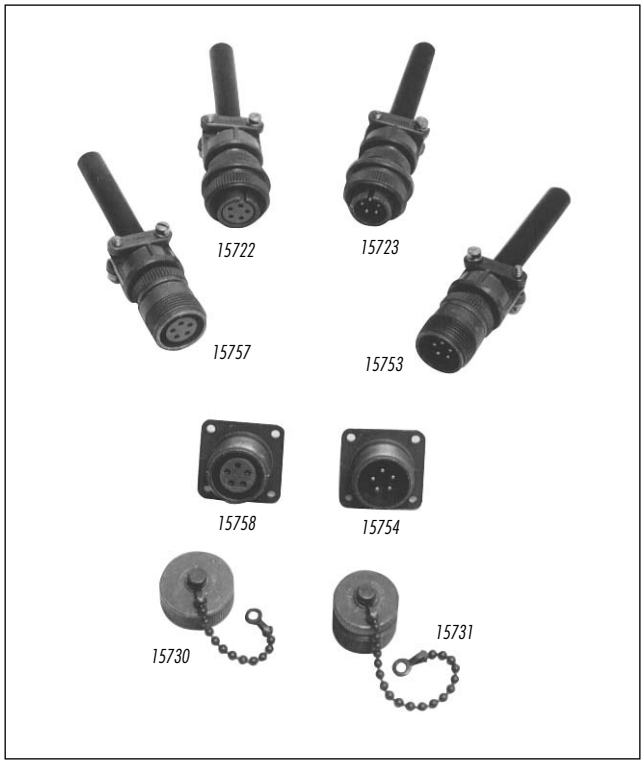
PART #	CABLE LENGTH EA. FEET (M)	PRICE
100268	8'	$295.00
101102	12'	$315.00
104164	15'	$318.00
100269	26'	$365.00
100270	35'	$375.00

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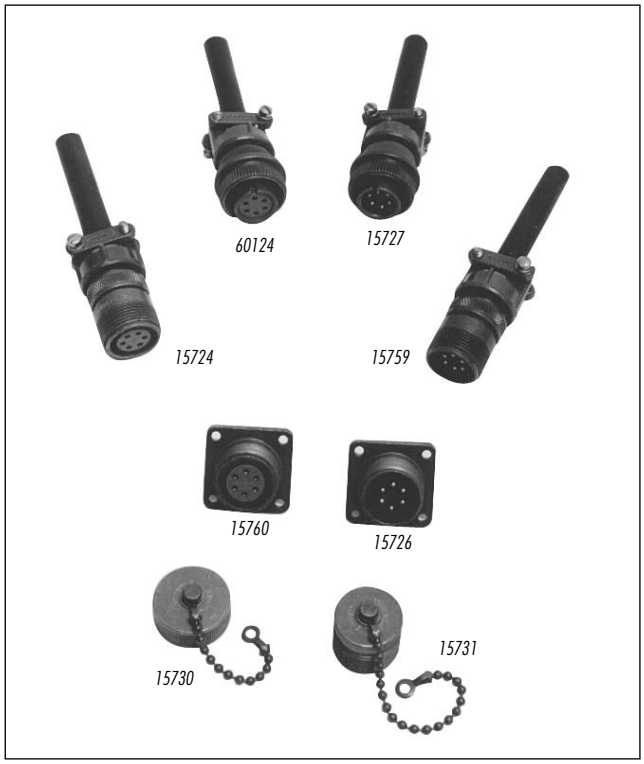
Load Cell and Indicator Connectors

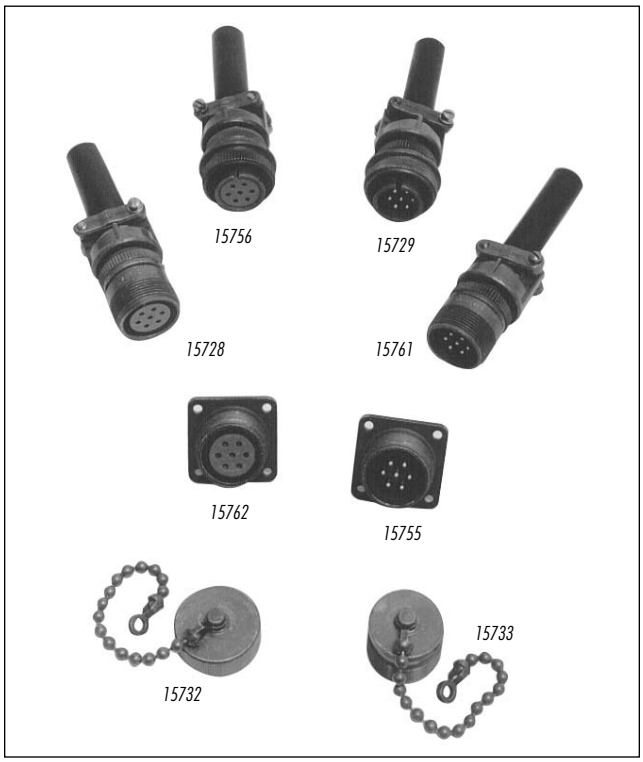
- For quick, secure cable connectors, use these 5-pin, 6-pin and 7-pin MS-type connectors with shellplugs and receptacles. Finished in olive drab, these are the same type of connectors used on many digital weight indicators. Dust caps are also available for each connector.

5-POSITION CONNECTORS, SHELLPLUGS, RECEPTACLES



6-POSITION CONNECTORS, SHELLPLUGS, RECEPTACLES





PART #	DESCRIPTION	PRICE
15753	5-pin, external thread	$26.00
15722	5-socket, internal thread	$27.00
15723	5-pin, internal thread	$26.00
15757	5-socket, external thread	$32.00
15754	5-pin chassis mount, external thread	$18.00
15758	5-socket chassis mount, external thread	$18.00
15730	Dust cap for ext. thread 5-position connector	$9.00
15731	Dust cap for int. thread 5-position connector	$13.00
15759	6-pin, external thread, male	$26.00
60124	6-socket, internal thread connector, female fits Toledo load cells, Condec indicators	$22.00
15727	6-pin, internal thread, male	$25.00
15724	6-socket, external thread	$29.00
15726	6-pin chassis mount, external thread	$18.00
15760	6-socket chassis mount, external thread	$17.00
15730	Dust cap for ext. thread 6-position connector	$9.00
15731	Dust cap for int. thread 6-position connector	$13.00
15761	7-pin, external thread	$27.00
15756	7-socket, internal thread	$29.00
15729	7-pin, internal thread	$29.00
15728	7-socket, external thread	$29.00
15755	7-pin chassis mount, external thread	$18.00
15762	7-socket chassis mount, external thread	$21.00
15732	Dust cap for ext. thread 7-position connector	$14.00
15733	Dust cap for int. thread 7-position connector	$18.00

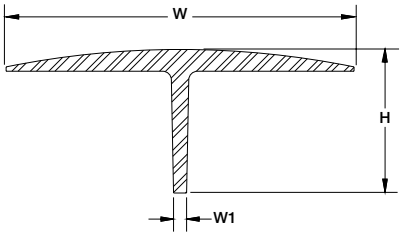
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Hardware and Accessories

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)



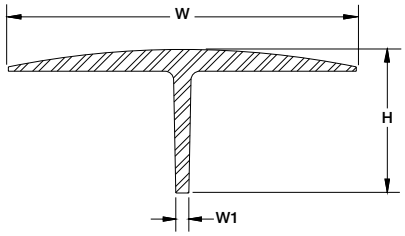


PART #	DIMENSIONS - INCHES (MM) H	W	W1	LENGTH	PRICE
18799	2.56 (65.0)	5.75 (146.1)	0.22 (5.6)	Sold by the foot	$6.00/ft
18800	2.56 (65.0)	5.75 (146.1)	0.22 (5.6)	10' (3.05m)	$60.00
18801	2.56 (65.0)	5.75 (146.1)	0.22 (5.6)	11' (3.35m)	$65.00
18802	2.56 (65.0)	5.75 (146.1)	0.22 (5.6)	70' (21.34m)	$380.00
33219	2.56 (65.0)	5.75 (146.1)	0.22 (5.6)	80' (24.4m)	$405.00
33222	2.56 (65.0)	5.75 (146.1)	0.22 (5.6)	100' (30.5m)	$500.00

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) H	W	W1	LENGTH	PRICE
18736	2.00 (50.8)	4.50 (114.3)	0.25 (6.4)	Sold by the foot	$5.50/ft
18776	2.00 (50.8)	4.50 (114.3)	0.25 (6.4)	10' (3.05m)	$55.00
18797	2.00 (50.8)	4.50 (114.3)	0.25 (6.4)	11' (3.35m)	$60.00
18798	2.00 (50.8)	4.50 (114.3)	0.25 (6.4)	70' (21.34m)	$350.00
33223	2.00 (50.8)	4.50 (114.3)	0.25 (6.4)	80' (24.4m)	$390.00
33224	2.00 (50.8)	4.50 (114.3)	0.25 (6.4)	100' (30.5m)	$470.00

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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/ °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	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/ °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	PRICE
68030	Ranger 3 Calibration Simulator	$345.00

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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	PRICE
68031	Ranger 5 Calibration Simulator	$445.00

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



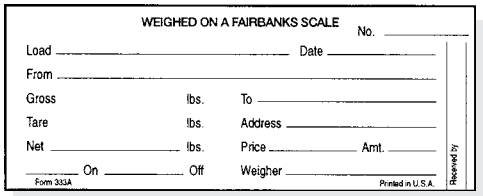
SPECIFICATIONS:

Maximum Voltage:	15 volts
Bridge Type:	175 ohm star
Linearity:	Less than ±.02% full scale
Temperature Coefficient:	Absolute 5 ppm/ °C; Tracking less than 0.5 ppm/°C
Variable Ranges:	Choose any fixed setting ±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	PRICE
22513	Simulator 4	$695.00
37300	Additional operating manual	No charge

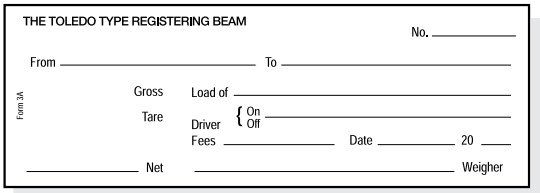
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Mechanical Scale Tickets



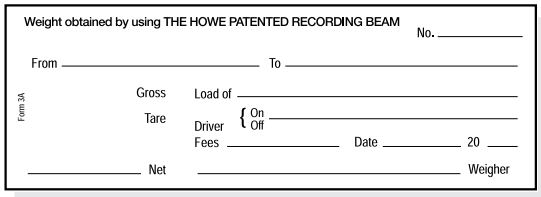
- Carbon triplicate with 2.0" (50.8 mm) tear-off flap
- Size: 1.875" x 4.75" (47.6 mm x 120.7 mm)
- Order quantity: 500 per package

PART #	DESCRIPTION	PRICE
20260	Fairbanks Scales	$58.00



- 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	PRICE
20262	Toldeo Scales	$58.00



- 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	PRICE
20261	Howe Scales	$58.00

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 0.18¢ each



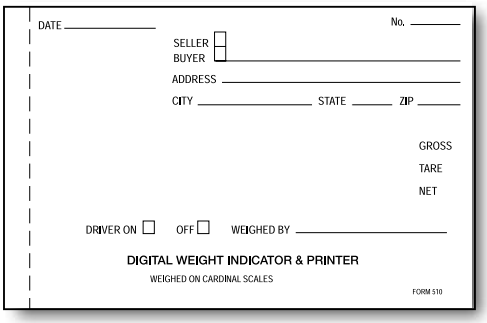
- Carbonless duplicate
- Size: 4.31" x 7" (109.4 mm x 177.8 mm)
- Order quantity: 500 per package

PART #	DESCRIPTION	PRICE
71630	Rice Lake Weighing Systems Scales	$48.00

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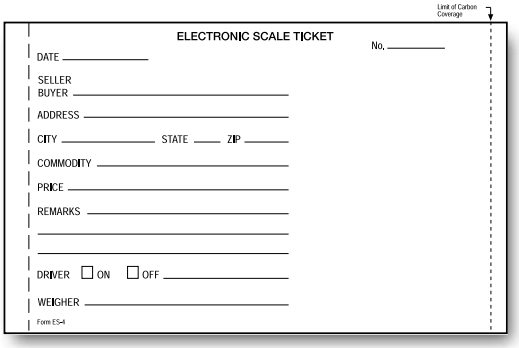
Hardware and Accessories

Electronic Scale Tickets



- Carbon triplicate interleaved
- Size: 5.0" x 7.875" (127.0 mm x 200.0 mm)
- Order quantity: 500 per package

PART #	DESCRIPTION	PRICE
20266	Hecon printers, EL522 & EL516	$85.00



- 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	PRICE
20265	SP2000, SP2200, RL250 & EL500	$89.50

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 #	PRICE
IQ700, UMC600	21213	$60.00
SP2000/SP2200	21210	$55.00
WEIGHTRONIX		
WI 110/120	21194	$58.00
EPSON		
TM290/295	29582	$54.00
TM-300	31277	$54.00
TM-U200 TM-6220	35666	$57.00
OKIDATA		
Okidata 184 Turbo Printer	21208	$65.00
Okidata 320	21226	$65.00
IDS		
IDS150/150A, IDS 152	21221	$65.00

Custom veils and specials available; consult factory.

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Interface Cables for IDS150A, IDS152 & IDS160

PART #	DESCRIPTION	PRICE
15547	Blunt end, 25-pin D-sub male RS-232 serial interface cable *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®*	$52.00
15566	Blunt end, 25-pin D-sub male RS-232 serial interface cable *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®*	$50.00
15567	25-pin D-sub male to 25-pin D-sub male 20 mA serial interface cable	50.00
15568	25-pin D-sub male to 25-pin D-sub male RS-232 serial interface cable	52.00
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	PRICE
15547	Blunt end, 25-pin D-sub male RS-232 serial interface cable *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®*	$52.00
15548	25-pin D-sub male to 25-pin D-sub male 20 mA serial interface cable (SP2200 only)	52.00
15568	25-pin D-sub male to 25-pin D-sub male RS-232 serial interface cable	52.00
Consult	Custom 20 mA/RS-232 serial interface cable	50.00

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	PRICE
15547	Blunt end, 25-pin D-sub male RS-232 serial interface cable *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*	$52.00
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	PRICE
41276	DB9 male RS-232 cable to blunt end	$50.00



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Hardware and Accessories

Straight Cable



PART #	DESCRIPTION	PRICE
50749	DB9 female to DB9 male	$30.00
41279	DB25 male to DB9 male	52.00

USB Cable



PART #	DESCRIPTION	PRICE
79074	USB-A to USB-B	$19.00

Ethernet Cable/RJ45



PART #	DESCRIPTION	PRICE
72697	RJ45 to RJ45	$31.00
78860	RJ45 to RJ45, cross over	31.00
75594	RJ45 to 9-pin	52.00

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Desiccants

Packets

- Bagged desiccants to protect your enclosed electronic components from moisture and humidity
- Useful in junction boxes, indicators and all scale electronics



PART #	DESCRIPTION	PRICE
16038	Mini Pax 7g	$1.00
16039	Natra Sorb 20g	$1.90
92240	3g	$1.00

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	PRICE
16037	Corrosion Inhibitor	$25.00

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	PRICE
21111	Crimper & 2 Die Blanks	$120.00
15318	Crimper Die Blank (replacements)	$45.00
15317	100 Seals/pkg	$35.00

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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	PRICE
34265	Static Control Table Mat & Floor Mat	$795.00

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	PRICE
34263	Static Control Wrist Strap	$40.00

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	PRICE
16150	Static Shielding Bags, 8" x 10"	$1.00 each
16151	Static Shielding Bags, 12" x 18"	$ 3.00 each

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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	PRICE
32818	Static-Safe Service Kit	$155.00

Portable Megometer



- Load cell insulation tester
- Easy to use, accurate and reliable
- Designed for strain gauge transducer testing

PART #	DESCRIPTION	PRICE
36253	Portable Megometer	$495.00

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Notes:

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Section Contents

Floor, Tank, and Hopper

JB4SS TuffSeal® Signal Trim Junction Box 386
JB4ES TuffSeal Excitation Trim Junction Box 387
JB4SP TuffSeal Signal Trim Junction Box 388
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EL204 Single Trim Junction Box 390
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Truck Scales

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TP75 DC Transient Protection 402
UJB3T6 DC Transient Protection 403
TP232 RS-232 High Energy Serial Protection 404

Junction Boxes

JB4SS TuffSeal® Signal Trim Junction Box



APPLICATIONS:

- Floor, tank, hopper scales

STANDARD FEATURES:

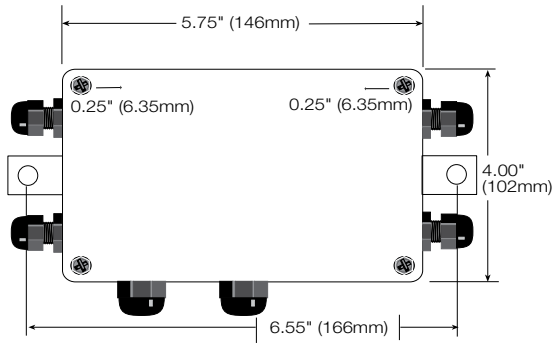
- Stainless steel, NEMA 4X enclosure
- Shunt jumpers to disable a load cell
- Prevent™ breather vent
- Conformal coated circuit board

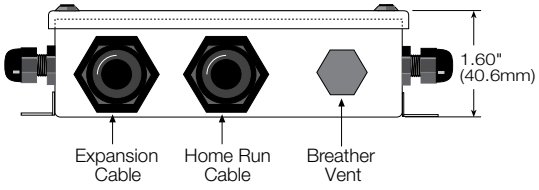
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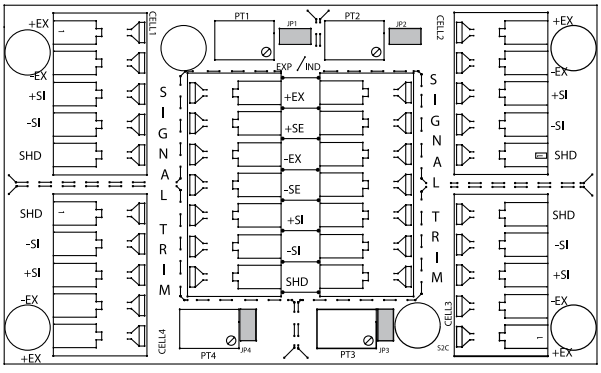
- 2 to 4 single cells
- Expansion port

SPECIFICATIONS:

Cable Fittings:	(4) PG7 0.118-0.255 strain relief (2) PG11 0.197-0.394 strain relief (1) Prevent™ breather vent
Enclosure:	Stainless Steel NEMA 4X
Connectors:	Spring clamp screwless, 12-28 AWG
Trimming:	Individual cell, signal trim, ranges zero trim 12.49K-100K ohms with 2.49K ohms isolation resistors
Potentiometers:	100K ohm, 25 turn cermet
Circuit Board:	3.8" x 2.3" (96.5mm x 58.4mm), with conformal coating
Warranty:	1-year limited warranty







JB4SS ORDER INFORMATION

Part #	Description	Price
88956	JB4SS signal trim 4-channel with expansion	$235.00
88958	Board only	$150.00

Please refer to page 397-398 for replacement board

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JB4ES TuffSeal® Excitation Trim Junction Box



APPLICATIONS:

- Floor, tank, hopper scales

STANDARD FEATURES:

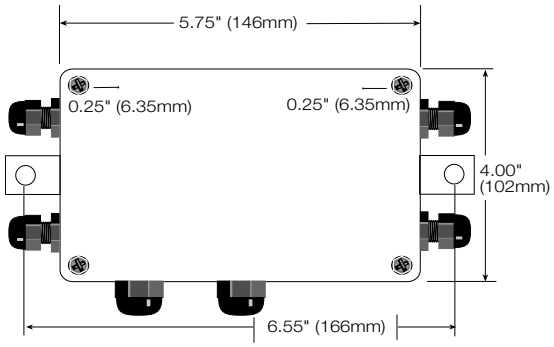
- Stainless steel, NEMA 4X enclosure
- Shunt jumpers to disable a load cell
- Prevent™ breather vent
- Conformal coated circuit board

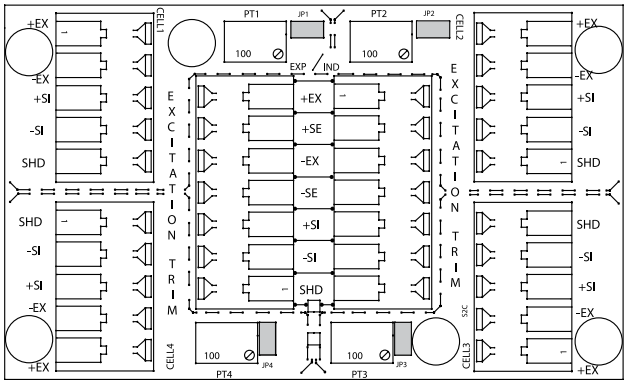
Number of cells:

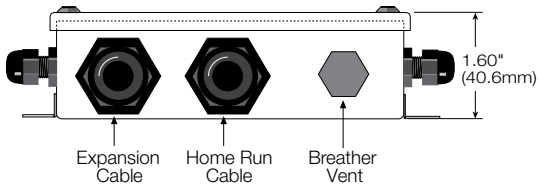
- 2 to 4 single cells
- Expansion port

SPECIFICATIONS:

Cable Fittings:	(4) PG7 0.118-0.255 strain relief (2) PG11 0.197-0.394 strain relief (1) Prevent™ breather vent
Enclosure:	Stainless Steel NEMA 4X
Connectors:	Spring clamp screwless, 12-28 AWG
Trimming:	Individual cell, excitation trim, ranges zero trim 0-37 ohms, 0-100 ohms
Potentiometers:	100 ohm, 25 turn cermet
Circuit Board:	3.8" x 2.3" (96.5mm x 58.4mm), with conformal coating
Warranty:	1-year limited warranty







JB4ES ORDER INFORMATION

Part #	Description	Price
91779	JB4ES excitation trim 4-channel w/expansion	$235.00
89446	Board only	$150.00

Please refer to page 397-398 for replacement board

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Junction Boxes

JB4SP TuffSeal® Signal Trim Junction Box

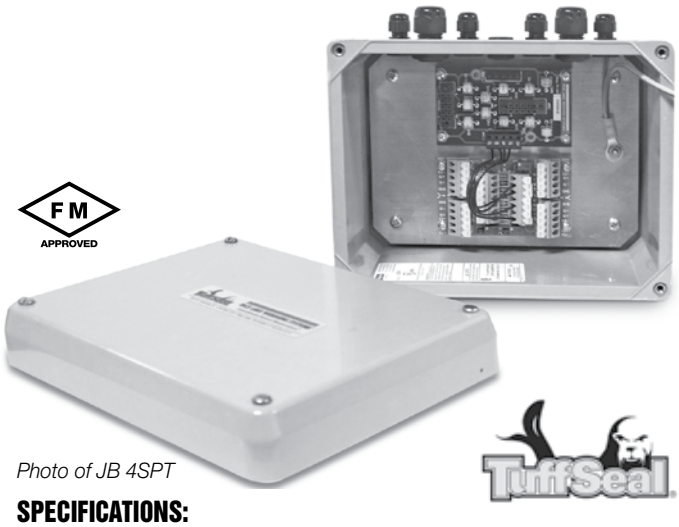


Photo of JB 4SPT

APPLICATIONS:

- Tank and hopper scales

STANDARD FEATURES:

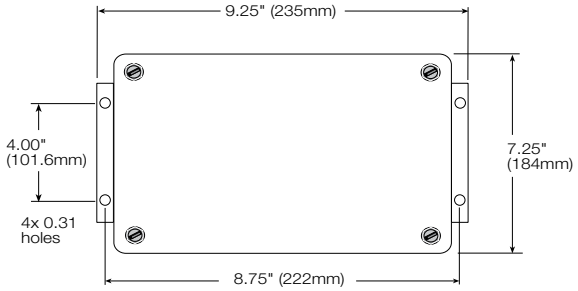
- Fiberglass Reinforced Polyester (FRP) (NEMA 4X) enclosure with stainless steel cover screws
- Shunt jumpers to disable a load cell
- Prevent™ breather vent
- Conformal coated circuit board

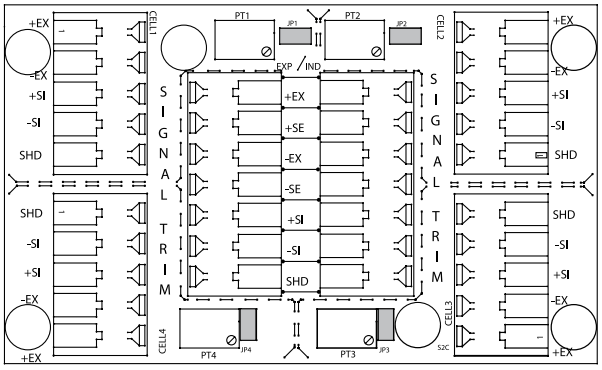
Number of cells:

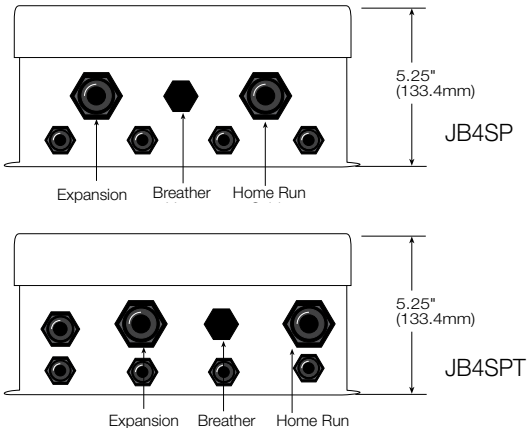
- 2 to 4 single cells
- Expansion port

SPECIFICATIONS:

Cable Fittings:	(4) PG7 0.118-0.255 strain relief (2) PG11 0.197-0.394 strain relief (1) Prevent™ breather vent
Enclosure:	Molded FRP (NEMA 4X) enclosure with overlapping solid cover, stainless steel screws
Connectors:	Spring clamp screwless, 12-28 AWG
Trimming:	Individual cell, signal trim, ranges zero trim 12.49K-100K ohms with 2.49K ohms isolation resistors
Potentiometers:	100K ohm, 25 turn cermet
Circuit Board:	3.8" x 2.3" (96.5mm x 58.4mm), with conformal coating
Warranty:	1-year limited warranty







JB4SP ORDER INFORMATION

Part #	Description	Price
91780	JB4SP signal trim 4-channel w/expansion	$255.00
92762	JB4SPT signal trim with transient protection	$445.00
88958	Board only	$150.00
89894	Transient board	$2115.00

Please refer to page 397-398 for replacement board

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JB4EP TuffSeal® Excitation Trim Junction Box

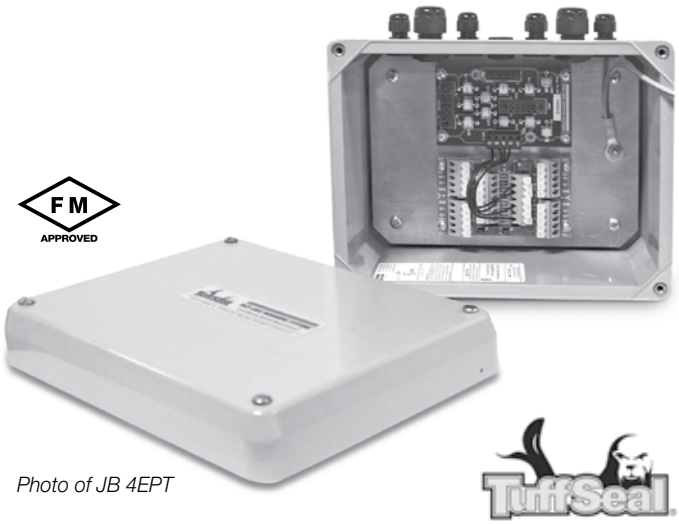


Photo of JB 4EPT

APPLICATIONS:

- Tank and hopper scales

STANDARD FEATURES:

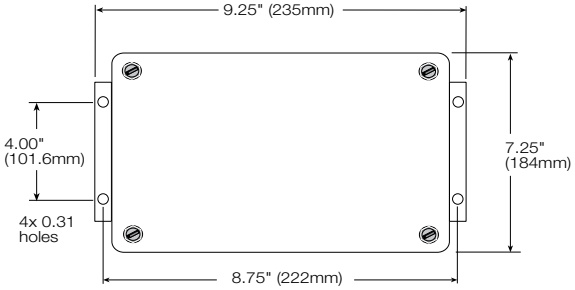
- Fiberglass Reinforced Polyester (FRP) (NEMA 4X) enclosure with stainless steel cover screws
- Shunt jumpers to disable a load cell
- Prevent™ breather vent
- Conformal coated circuit board

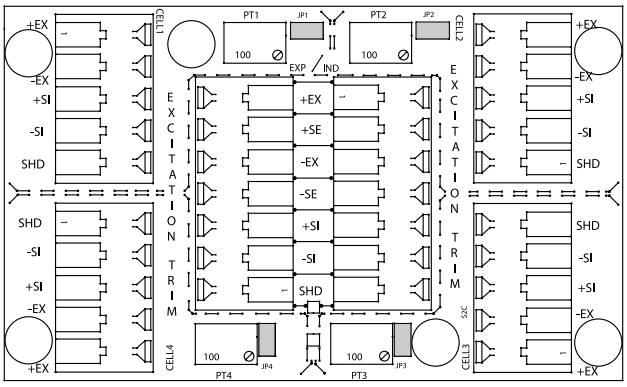
Number of cells:

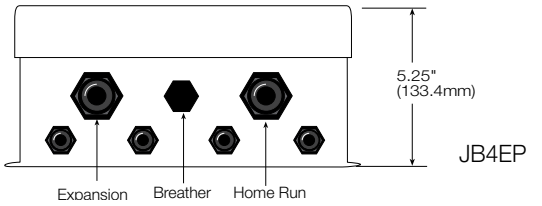
- 2 to 4 single cells
- Expansion port

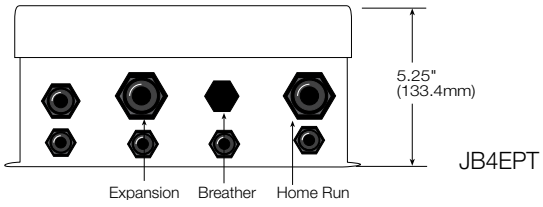
SPECIFICATIONS:

Cable Fittings:	(4) PG7 0.118-0.255 strain relief (2) PG11 0.197-0.394 strain relief (1) Prevent™ breather vent
Enclosure:	Molded FRP (NEMA 4X) enclosure with overlapping solid cover, stainless steel screws
Connectors:	Spring clamp screwless, 12-28 AWG
Trimming:	Individual cell, excitation trim, ranges zero trim 0-37 ohms, 0-100 ohms
Potentiometers:	100 ohm, 25 turn cermet
Circuit Board:	3.8" x 2.3" (96.5mm x 58.4mm), with conformal coating
Warranty:	1-year limited warranty









JB4EP ORDER INFORMATION

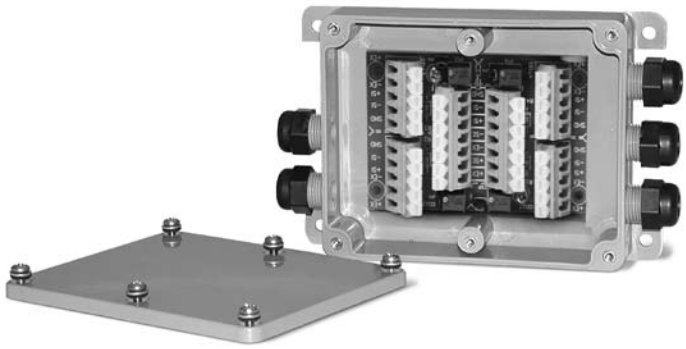
Part #	Description	Price
91781	JB4EP excitation trim 4-channel w/expansion	$255.00
92763	JB4EPT excitation trim w/ transient protection	$445.00
89446	Board only	$150.00
89894	Transient board	$215.00

Please refer to page 397-398 for replacement board

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Junction Boxes

EL204 Signal Trim Junction Box



APPLICATIONS:

- Floor, hopper, tank or livestock applications

STANDARD FEATURES:

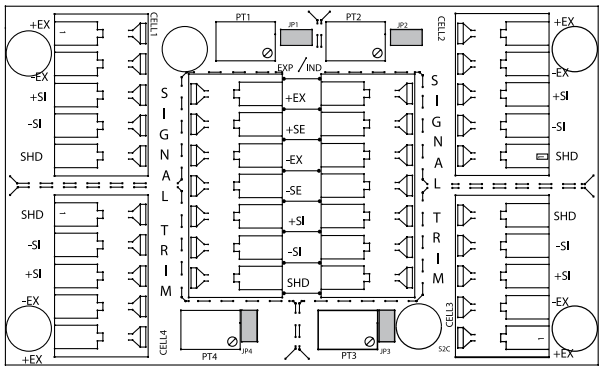
- ABS enclosure with molded-in cable fittings
- Premium screw terminals
- Dale 3296 25-turn cermet potentiometers
- 6-screw attachment to lid, die cut gasket for superior environment protection

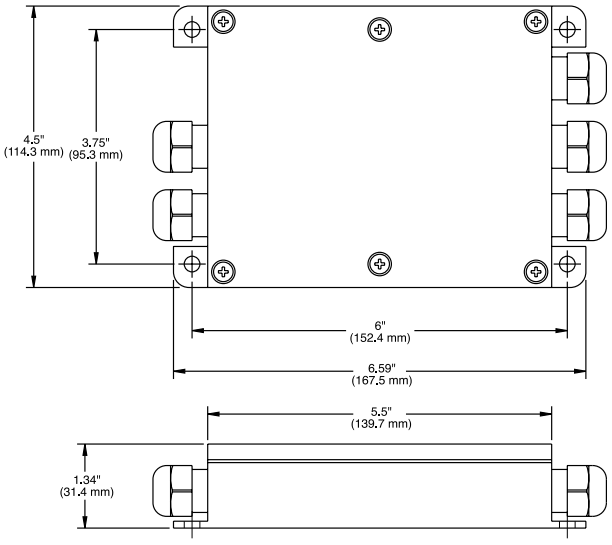
Number of cells:

- 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:	Spring clamp screwless, 12-28 AWG
Trimming:	Individual cell trim, signal trim, ranged zero trim 12.49K-100K ohms with 2.49K ohms isolation resistors
Potentiometers:	100K ohm, 25 turn cermet
Enclosure:	ABS with molded through-fittings, sealed 6-screw lid
Circuit Board:	3.8" x 2.3" (96.5mm x 58.4mm); with conformal coating
Warranty:	1-year limited warranty





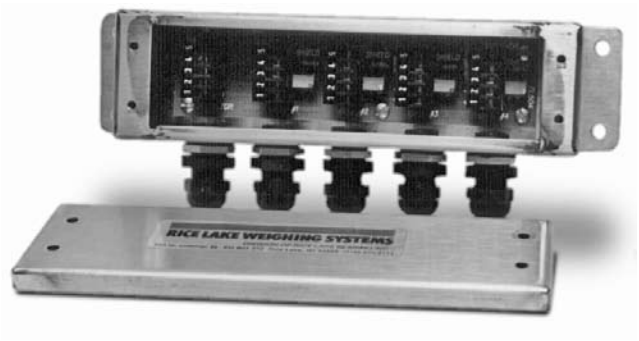
EL204 ORDER INFORMATION

Part #	Description	Price
73428.....	EL204 junction box 4-channel w/expansion signal trim	$185.00

Please refer to page397 - 398 for replacement board

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EL504 Signal Trim Junction Box



APPLICATIONS:

- Truck scales
- Floor scales
- Limited space installations

STANDARD FEATURES:

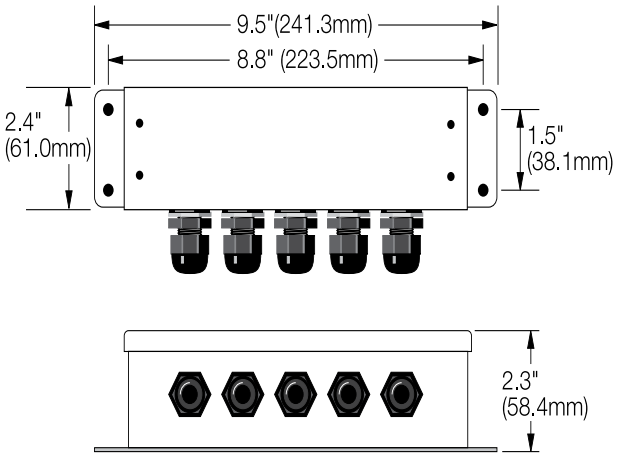
- Stainless steel, NEMA 4X enclosure
- Strain relief cable fittings
- Removable connectors for easy wiring

Number of cells:

- 2 to 4 single cells (even number of cells only)
- 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" (5.0 mm) miniature two piece connectors. Maximum wire size #14 AWG, connectors are removable for easy wiring.
Trimming:	Individual cell trim, 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	Price
21165	EL504 signal trim junction box	$325.00
21296	Board only	$255.00

Please refer to page 397-398 for replacement board

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Junction Boxes

JB8SP TuffSeal® Signal Trim Junction Box



APPLICATIONS:

- Truck, livestock and railroad scales

STANDARD FEATURES:

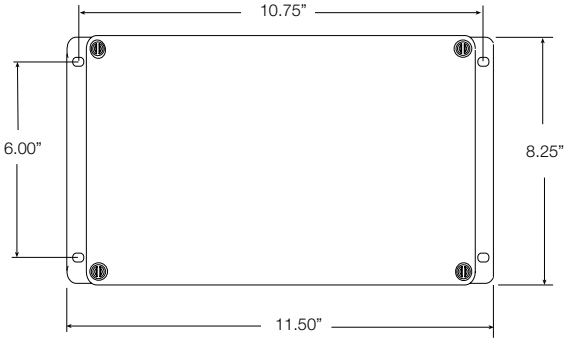
- Fiberglass Reinforced Polyester (FRP) (NEMA 4X) enclosure
- Shunt jumpers to disable a load cell
- Prevent™ breather vent
- Conformal coated circuit board
- Removable load cell connectors
- Section and individual cell trim capability

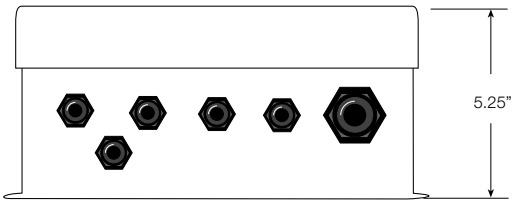
Number of cells:

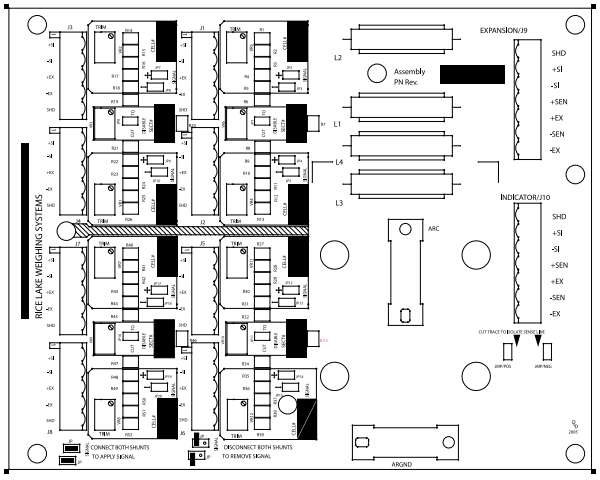
- 2, 4, 6 or 8 single load cells (even number only)
- Expansion port

SPECIFICATIONS:

Cable Fittings:	(9) 3/8" NPT 0.157"-0.314" (2) 1/2" NPT 0.272"-0.472" (1) Prevent™ breather unit
Enclosure:	Molded FRP (NEMA 4X) enclosure with overlapping solid cover, stainless steel screws
Connectors:	Pluggable screw type, 12-28 AWG
Trimming:	Individual cell trim, range 24.9K - 124.9K ohms, 9.8K ohm isolation Section trim, range 24K-124K ohms, 4.98K ohm isolation
Potentiometers:	100K ohm, 25 turn cermet
Circuit Board:	5.7" x 7.2" with conformal coating
Warranty:	1-year warranty







JB8SP ORDER INFORMATION

Part #	Description	Price
91782	JB8SP signal trim 8-channel w/expansion	$425.00
89889	Board only	$365.00

Please refer to page 397-398 for replacement board

OPTIONS/ACCESSORIES

Part #	Description	Price
89894	Transient protection board	$215.00
92734	Coupling, 1/2" NPT cord grip to 3/4" NPT conduit fitting	$25.00
92735	Coupling, 3/8" NPT cord grip to 3/4" NPT conduit fitting	$25.00

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JB8SPT TuffSeal® Signal Trim Junction Box



FM APPROVED

TuffSeal

APPLICATIONS:

- Truck, livestock and railroad scales

STANDARD FEATURES:

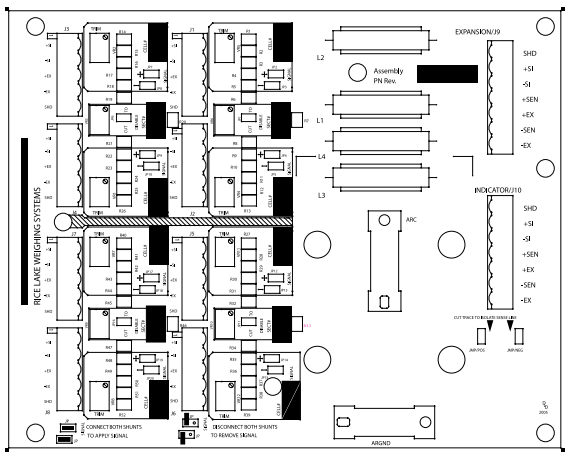
- Fiberglass Reinforced Polyester (FRP) (NEMA 4X) enclosure
- Shunt jumpers to disable a load cell
- Prevent™ breather vent
- Conformal coated circuit board
- Removable load cell connectors
- Section and individual cell trim capability
- Field replaceable transient protection
- (1) coupling, 1/2 NPT cord grip to 3/4" NPT conduit fitting for homerun cable

Number of cells:

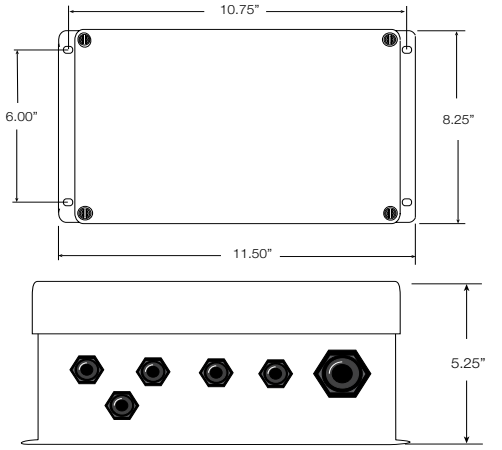
- 2,4,6 or 8 single load cells (even number only)
- Expansion board

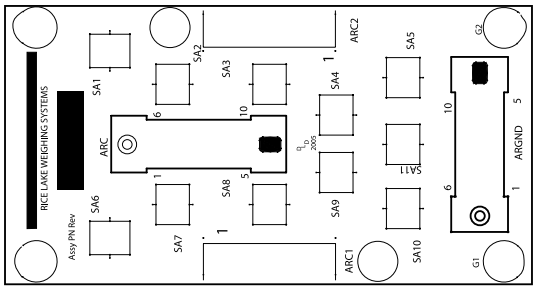
SPECIFICATIONS:

Cable Fittings:	(9) 3/8" NPT 0.157"-0.314" (2) 1/2" NPT 0.272"-0.472" (1) Prevent™ breather unit
Enclosure:	Molded FRP (NEMA 4X) enclosure with overlapping solid cover, stainless steel screws
Connectors:	Pluggable screw type, 12-28 AWG
Trimming:	Individual cell trim, range 24.9K - 124.9K ohms, 9.8K ohm isolation Section trim, range 24K-124K ohms, 4.98K ohm isolation
Potentiometers:	100K ohm, 25 turn cermet
Circuit Board:	5.7" x 7.2" with conformal coating
Warranty:	1-year warranty



Load Cell Board





Transient Board

JB8SPT ORDER INFORMATION

Part #	Description	Price
91783	JB8SPT signal trim 8-channel with expansion and transient protection	$625.00
89889	Board only	$365.00
89894	Transient board	$215.00

Please refer to page 397-398 for replacement board

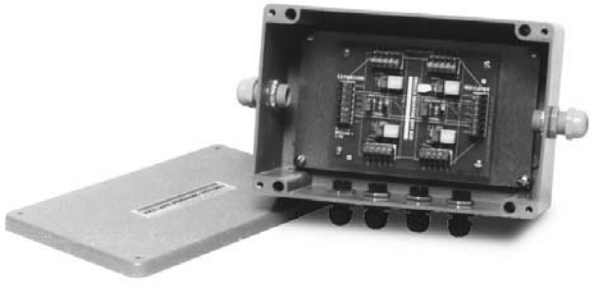
OPTIONS/ACCESSORIES

Part #	Description	Price
92734	Coupling, 1/2" NPT cord grip to 3/4" NPT conduit fitting	$25.00
92735	Coupling, 3/8" NPT cord grip to 3/4" NPT conduit fitting	$25.00

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Junction Boxes

EL304A Signal Trim Junction Box



APPLICATIONS:

- Livestock scales
- Tank and vessel weighing
- Corner and/or section trim applications

STANDARD FEATURES:

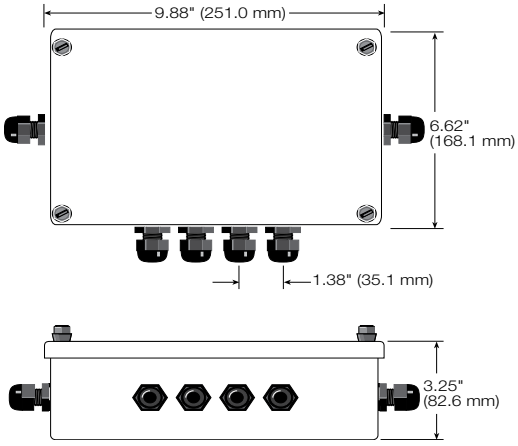
- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Strain relief cable fittings
- Individual cell signal disconnect switches

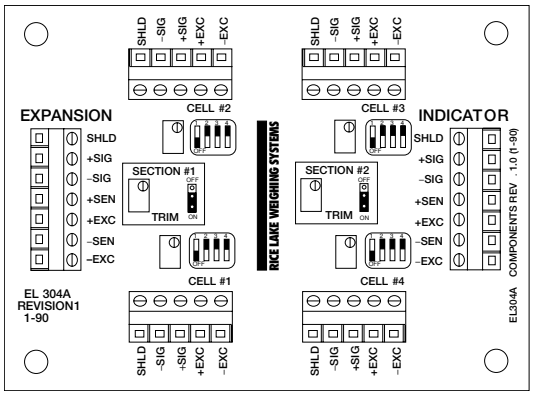
Number of cells:

- 2 to 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	Price
21169	EL304A signal trim 4-channel junction box	$295.00
21301	Board only	$215.00

Please refer to page 397-398 for replacement board

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JB1010 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:

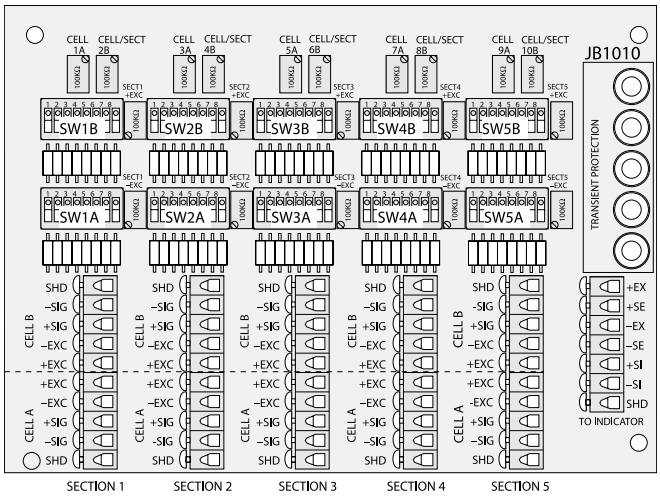
- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Load cell transient protection
- Signal or excitation trim
- Front panel mounting
- Strain relief cable fittings

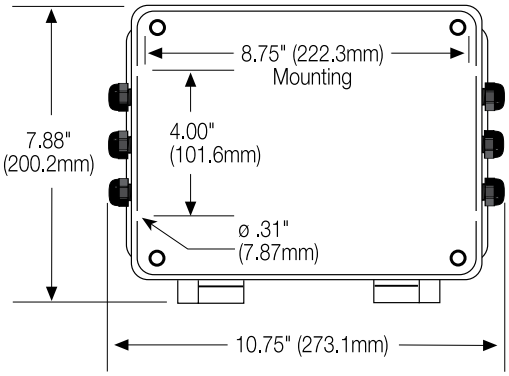
Number of cells:

- 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





JB1010 ORDER INFORMATION

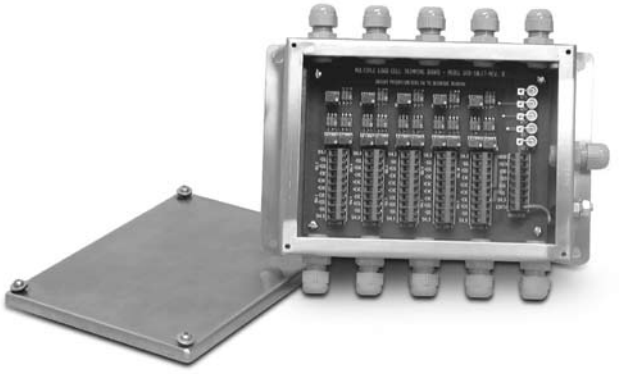
Part #	Description	Price
36231	JB 1010 signal/excitation trim 10-channel junction box	$650.00
36351	Board only	$455.00

Please refer to page 397-398 for replacement board

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Junction Boxes

JB1010ST 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:

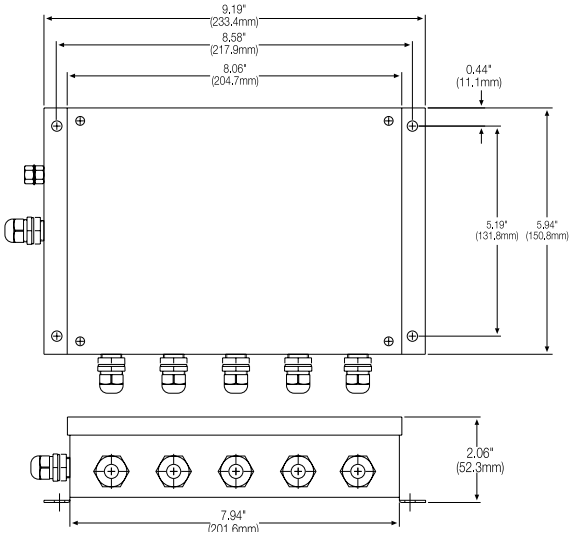
- NEMA 4X stainless steel enclosure
- Transient protection using gas discharge tubes
- Section and individual cell trim capability
- Compact enclosure only 1.75" deep
- Strain relief cable fitting

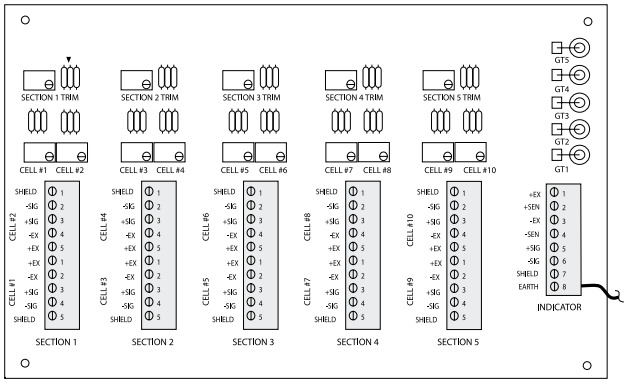
Number of cells:

- 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 cerment
Enclosure:	Stainless steel
Circuit Board:	6.5" x 4.5" (165.1 mm x 114.3 mm)
Warranty:	1-year limited warranty





JB1010ST ORDER INFORMATION

Part #	Description	Price
68813	JB 1010ST signal trim 10-channel junction box	$575.00
68811	Board only	$435.00

Please refer to page 397-398 for replacement board

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Replacement Junction Boxes, Boards or Components

Model	Complete Junction Box Replacement	Price Replacement J-boxes	Replacement Board Only	Price For Replacement Board Only	Replacement Cord Grips	Price For Cord Grips	Replacement Pressure & Condensation Vent	Price For Replacement Pressure & Calibration Vent	Desiccant Packs	Price Desiccant Packs
JB4SS	88956	$235.00	88958	$150.00	58983=PG7, 59001=PG11	$4.00 $3.70	88733 Prevent™ breather (vent) & 88734 (vent nut)	$22.00 $1.05	92240	$1.00
JB4ES	91779	$235.00	89446	$150.00	58983=PG7, 59001=PG11	$4.00 $3.70	88733 Prevent™ breather (vent) & 88734 (vent nut)	$22.00 $1.05	92240	$1.00
JB4SP **JB4SPT**	91780 92762	$255.00 $445.00	88958 (load cell) & 89894 (transient protection)	$150.00 $215.00	58983=PG7, 59001=PG11	$4.00 $3.70	88733 Prevent™ breather (vent) & 88734 (vent nut)	$22.00 $1.05	16039	$1.90
JB4EP **JB4EPT**	91781 92763	$255.00 $445.00	89446 (load cell) & 89894 (transient protection)	$150.00 $215.00	58983=PG7, 59001=PG11	$4.00 $3.70	88733 Prevent™ breather (vent) & 88734 (vent nut)	$22.00 $1.05	16039	$1.90
EL204	73428	$185.00	88958	$150.00	N/A	$3.70 $3.70	N/A	-	N/A	-
JB8SP	91782	$425.00	89889	$365.00	15655(cordgrip)& 15656 (nut)=3/8" NPT15628 (cord grip) & 15630 (nut)=1/2" NPT	$2.10 $1.05 $4.00 $3.00	88733 Prevent™ breather (vent) & 88734 (vent nut)	$22.00 $1.05	16039	$1.90
JB8SPT	91783	$625.00	89889 (load cell) & 89894 (transient protection)	$365.00 $215.00	15655(cordgrip)& 15656 (nut)=3/8" NPT 15628 (cord grip) & 15630 (nut)=1/2"NPT	$2.10 $1.05 $4.00 $3.00	88733 Prevent™ breather (vent) & 88734 (vent nut)	$22.00 $1.05	16039	$1.90
EL304A	21169	$295.00	21301	$215.00	N/A	-	N/A	-	N/A	-
JB1010	36231	$650.00	36351	$455.00	N/A	-	N/A	-	N/A	-
JB1010ST	68813	$575.00	68811	$435.00	N/A	-	N/A	-	N/A	-
EL210	91781, JB4EP*	$255.00	92472	$155.00	58983=PG7, 59001=PG11	$4.00 $3.70	N/A	-	N/A	-

** See catalog pages for enclosure dimensions*

Continued on next page

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USA: 800-472-6703 • CANADA/MEXICO: 800-321-6703 • INTERNATIONAL: 715-234-9171
www.ricelake.com/loadcells

Replacement Junction Boxes, Boards, or Components

Model	Replacement Junction Boxes	Price For Replacement J-boxes	Replacement Board Only	Price For Replacement Board Only	Replacement Cord Grips	Price For Cord Grips	Replacement Pressure & Condensation Vent	Price For Replacement Pressure & Calibration Vent	Desiccant Packs	Price Desiccant Packs
EL211A	91780, JB4SP (However the board does not have section trim capabilities)*	$255.00	92473, (However the board does not have section trim capabilities)	$160.00	58983=PG7, 59001=PG11	$4.00 $3.70	N/A	-	N/A	-
EL604-AL	88956, JB4SS*	$235.00	88958	$150.00	58983=PG7, 59001=PG11	$4.00 $3.70	N/A	-	N/A	-
EL604STA	88956, JB4SS*	$235.00	88958	$150.00	58983=PG7, 59001=PG11	$4.00 $3.70	N/A	-	N/A	-
EL604ETA	91779, JB4ES*	$235.00	89446	$150.00	58983=PG7, 59001=PG11	$4.00 $3.70	N/A	-	N/A	-
EL504	21165	$325.00	21296	$255.00	N/A	-	N/A	-	N/A	-
JB808S	91782, JB8SP*	$425.00	92471	$385.00	15655 (cord grip) & 15656 (nut)= 3/8" NPT 15628 (cord grip) & 15630 (nut)= 1/2" NPT	$2.10 $1.05 $4.00 $3.00	N/A	-	N/A	-
JB818ST	91783, JB8SPT*	$625.00	Need (1) 77445 (1) 89889, and (1) 89894	$55.00 $365.00 $215.00	15655 (cord grip) & 15656 (nut)= 3/8" NPT15628 (cord grip) & 15630 (nut)= 1/2" NPT	$2.10 $1.05 $4.00 $3.00	N/A	-	N/A	-

** See catalog pages for enclosure dimensions*

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www.ricelake.com/loadcells
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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 RS-485) 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

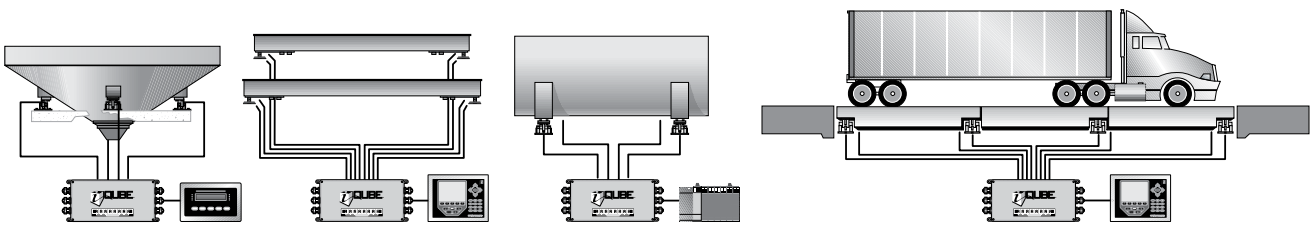
STANDARD FEATURES

- 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 3 primary/secondary iQUBEs
- Cal-Match™ algorithm automatically trims and calibrates a 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
- Function to manually adjust cell trim
- Load cell substitution supports cells of unmatched capacities
- Serial (RS-232 and RS-485) 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 until a permanent repair is available.
- Configure with Revolution software for use with analog devices
- Connects serially to 820i® and 920i®

Additional 820i and 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

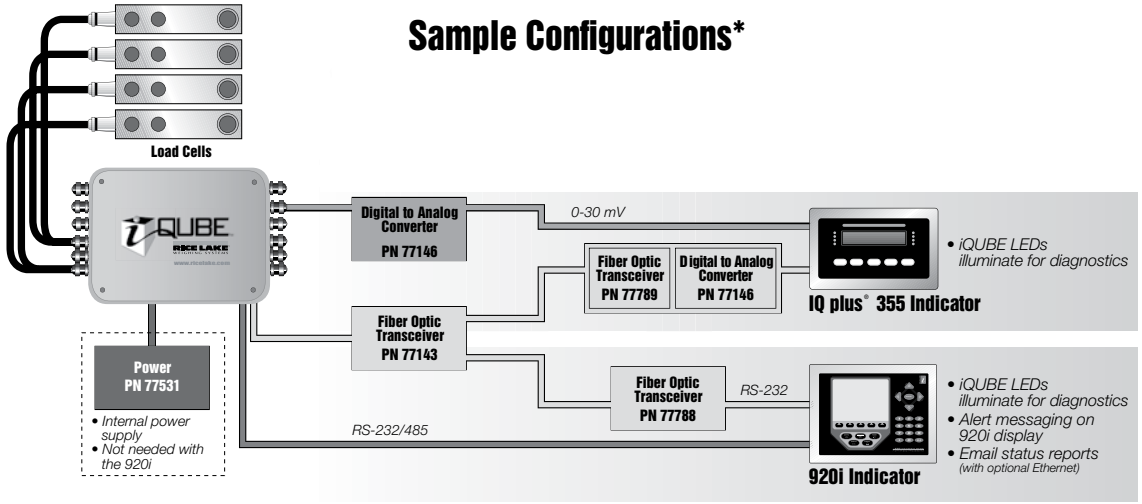


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Junction Boxes

iQUBE® (Continued)

Sample Configurations*



** Not an actual system—illustrates connectivity*

SPECIFICATIONS:

iQUBE:

Enclosure:	NEMA 4X polycarbonate enclosure
Voltage Input:	5.0-16 VDC
Load Cell Inputs:	4 or 8 (16 with networked boards)
A/D Sampling Rate:	8 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, UL listed

Digital to Analog Converter:

Output:	0-30 mV
Resolution:	16 bit
Temperature Range:	14°F to 104°F (-10°C to 40°C)

Fiber Optic Transceiver:

Can be used as serial-to-serial fiber optic link

Voltage Input:	6–8 VDC
Serial Input:	To 115 KBAUD
Transmitter:	Green, visible
Transmission Media:	1 mm plastic fiber 1.5 db/meter attenuation, duplex jacketed

iQUBE ORDER INFORMATION

Part #	Description	Price
92391	iQUBE, 4-channel junction box	$1,095.00
92392	iQUBE, 8-channel junction box	$1,595.00

OPTIONS/ACCESSORIES

Part #	Description	Price
77146	Digital to analog converter, 0-30 mV	$200.00
77531	Power supply (not required with 920i)	$160.00
77142	Ethernet interface installed in iQUBE	$400.00
71986	Ethernet interface installed in 920i indicator	$400.00
	Fiber optic boards *(choose two installation options)*	
77143	Fiber optic board, RX/TX, installed in iQUBE	$300.00
77789	Fiber optic board, RX/TX, in external enclosure	$525.00
77788	Fiber optic board, RX/TX, installed in 920i	$300.00
96736	Fiber optic board, RX/TX, installed in 820i	$300.00
78910	Duplex fiber optic cable, custom length	$1.30/ft
78026	Duplex fiber optic cable, 100' (30 m)	$130.00
78027	Duplex fiber optic cable, 200' (60 m)	$258.00
78028	Duplex fiber optic cable, 300' (90 m)	$415.00
80892	Fiber optic cable cutter	$7.00
85548	Fiber optic hot knife	$45.00
69781	iRev scale software for iQUBE and 920i indicator systems	$95.00
77224	Additional iQUBE installation manual	$25.00

OPTIONS/ACCESSORIES

Part #	Description	Price
	Indicators for use with iQUBE	
86762	Virtui Virtual Indicator Software (Demo)	N/C
85107	Virtui Activation	$495.00
77790	920i Universal, 115 VAC	$1,650.00
77791	920i Universal, 230 VAC	$1,650.00
77792	920i Panel Mount, 115 VAC	$1,650.00
77793	920i Panel Mount, 230 VAC	$1,650.00
77794	920i Wall Mount, 115 VAC	$2,250.00
77795	920i Wall Mount, 230 VAC	$2,250.00
93243	920i Deep Universal, 115 VAC	$1,850.00
93244	920i Deep Universal, 230 VAC	$1,850.00
91995	820i Universal, 115 VAC	$1,395.00
91996	820i Universal, 230 VAC	$1,395.00
	4-Channel Junction Box Product Bundles	
78799	iQube (PN 77778),920i indicator (PN 77790)	$2,745.00
78802	iQube (PN77778), 920i indicator (PN77790) fiber optic boards (PN 77143, 77788 & 77531)	$3,505.00
	8-Channel Junction Box Product Bundles	
78809	iQube (PN 77148), 920i indicator (PN 77790)	$3,245.00
78810	iQube (PN 77148), 920i indicator (PN 77790) fiber optic boards (PN 77143, 77788, & 77531)	$4,005.00

Note: Prices effect in 2008

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EL168 1-Cell Junction Box



APPLICATIONS:

- For splicing or extending load cell cable

STANDARD FEATURES:

- Non-metallic PVCX enclosure with separate input and output cable fittings
- No soldering, compression or swagged fittings are required

SPECIFICATIONS:

Dimensions:	4" W x 4" L x 2.5" D
Mounting Centers:	3.75" x 2.31" (95.2 mm x 58.7mm)
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

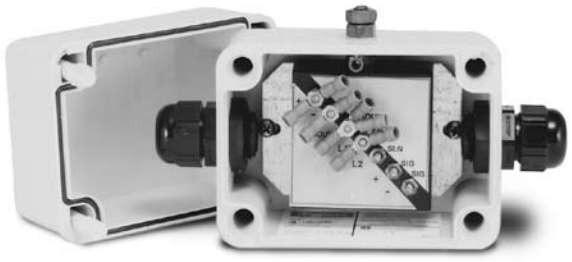
EL6168 ORDER INFORMATION

Part #	Description	Price
21161	EL168 1-cell junction box	$62.00

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Additional Accessories

TP75 DC Transient Protection



APPLICATIONS:

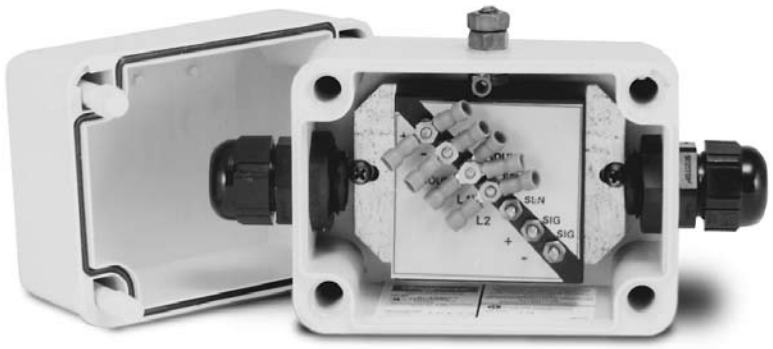
- Protects load cells and indicators from voltage transients
- Tank, bin and hopper
- Truck and railroad track scales
- Suitable for outdoor use

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 µh
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)



TP75 ORDER INFORMATION

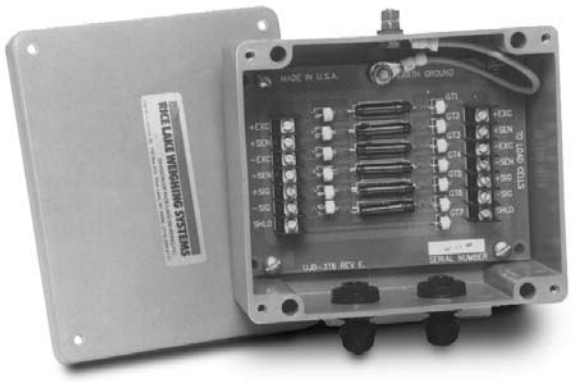
Part #	Description	Price
33185	TP75 DC transient protection	$210.00

OPTIONS/ACCESSORIES

Part #	Description	Price
31164	Circuit board only	$159.00

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UJB3T6 DC Transient Protection



APPLICATIONS

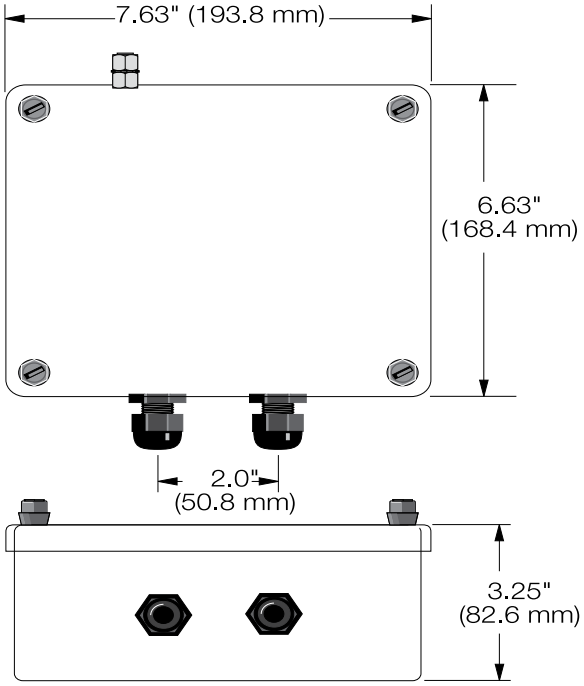
- Protects load cells from voltage transients
- Compatible with signals down to 1µVgrad
- Installations exposed to significant transients
- Protects serial communication lines

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 µh 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	Price
21134	UJB3T6	$315.00

OPTIONS/ACCESSORIES

Part #	Description	Price
21135	6-channel load cell transient protector, board only	$225.00

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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 x 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	Price
69201	TP232	$155.00

OPTIONS/ACCESSORIES

Part #	Description	Price
17778	12" Ground strap	$10.25
17781	24" Ground strap	$13.25
69516	Additional installation manual	$5.00

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