# **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 capacites. Each module combines multi-directional movement and self-checking capabilities. The RL35023 and RL35023S load cells used are NTEP Certified in capacities of 1,000lb to 10,000lb.

Module with RL35023 single-ended beam load cell.



### **Standard Features**

- Capacities (per module): 250 lb-10,000 lb (113.4 kg-4535.9 kg)
- NTEP Certified cells in 1,000 lb-10,000 lb (453.6 kg-4535.9 kg) capacities, except 3,000 lb (1,360.9 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

## Applications

- Conveyors
- Medium-capacity tanks and hoppers

## **Complete Kit Includes**

- 1 JB4SS NEMA Type 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
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable

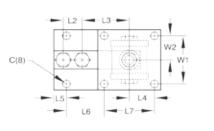
## Load Cell Certifications

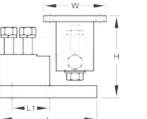


RICE LAKE

# **RL1800 Series**

Mild Steel/Stainless Steel Weigh Modules





# W 1.00

#### **Dimensions**

C	h min/ Max	H1	L	L1	L2	L3	L4	L5	L6	L7	W	W1	W2
Mild Steel Construction													
0.62	5.25/5.56	0.50	6.00	2.00	1.00	3.00	2.00	0.68	1.94	4.00	5.00	4.00	2.00
0.62	6.12/6.62	0.50	7.75	3.00	1.50	3.75	2.00	1.03	2.97	4.00	5.00	4.00	2.00
kg/mm													
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
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													
0.62	5.25/5.56	0.50	6.00	2.00	1.00	3.00	2.00	0.68	1.94	4.00	5.00	4.00	2.00
0.62	6.12/6.62	0.50	7.75	3.00	1.50	3.75	2.00	1.03	2.97	4.00	5.00	4.00	2.00
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
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
	0.62           0.62           15.8           15.8           uction           0.62           15.8           15.8           15.8           15.8           15.8           15.8           15.8           15.8           15.8           15.8           15.8           15.8	C MAX n 0.62 5.25/5.56 0.62 6.12/6.62 15.8 133.4/141.2 15.8 155.4/168.1 uction 0.62 5.25/5.56 0.62 6.12/6.62 15.8 133.4/141.2	C MAX H1 n 0.62 5.25/5.56 0.50 0.62 6.12/6.62 0.50 15.8 133.4/141.2 12.7 15.8 155.4/168.1 12.7 uction 0.62 5.25/5.56 0.50 0.62 6.12/6.62 0.50 15.8 133.4/141.2 12.7	C         MAX         H1         L           n         0.62         5.25/5.56         0.50         6.00           0.62         6.12/6.62         0.50         7.75           15.8         133.4/141.2         12.7         152.4           15.8         155.4/168.1         12.7         196.9           uction         0.62         5.25/5.56         0.50         6.00           0.62         5.25/5.56         0.50         6.00           0.62         5.25/5.56         0.50         7.75           15.8         133.4/141.2         12.7         152.4	C         MAX         H1         L         L1           n         0.62         5.25/5.56         0.50         6.00         2.00           0.62         6.12/6.62         0.50         7.75         3.00           15.8         133.4/141.2         12.7         152.4         50.8           15.8         155.4/168.1         12.7         196.9         76.2           uction         0.62         6.12/6.62         0.50         7.75         3.00           15.8         155.4/168.1         12.7         196.9         76.2           uction         15.8         15.25/5.56         0.50         6.00         2.00           0.62         6.12/6.62         0.50         7.75         3.00           15.8         133.4/141.2         12.7         152.4         50.8	C         MAX         H1         L         L1         L2           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50           15.8         133.4/141.2         12.7         152.4         50.8         25.4           15.8         155.4/168.1         12.7         196.9         76.2         38.1           uction         0.62         5.25/5.56         0.50         6.00         2.00         1.00           0.62         5.25/5.56         0.50         6.00         2.00         1.00           0.62         5.25/5.56         0.50         7.75         3.00         1.50           15.8         133.4/141.2         12.7         152.4         50.8         25.4	C         MAX         H1         L         L1         L2         L3           n         0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75           15.8         133.4/141.2         12.7         152.4         50.8         25.4         76.2           15.8         155.4/168.1         12.7         196.9         76.2         38.1         95.3           uction         0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75           uction	C         MAX         H1         L         L1         L2         L3         L4           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00           15.8         133.4/141.2         12.7         152.4         50.8         25.4         76.2         50.8           15.8         155.4/168.1         12.7         196.9         76.2         38.1         95.3         50.8           uction         0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00           0.62         5.25/5.56         0.50         7.75         3.00         1.50         3.75         2.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00           15.8         133.4/141.2         12.7         152.4         50.8         25.4         76.2         50.8	C         MAX         H1         L         L1         L2         L3         L4         L5           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03           15.8         133.4/141.2         12.7         152.4         50.8         25.4         76.2         50.8         17.3           15.8         155.4/168.1         12.7         196.9         76.2         38.1         95.3         50.8         26.2           uction         0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68           0.62         5.25/5.56         0.50         7.75         3.00         1.50         3.75         2.00         1.03           15.8         133.4/141.2         12.7         152.4         50.8         25.4         76.2         50.8         17.3           15.8         133.4/141.2         12.7         152.4         50.8         25.4         76.2         50.8         17.3 </td <td>C         MAX         H1         L         L1         L2         L3         L4         L5         L6           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97           15.8         133.4/141.2         12.7         152.4         50.8         25.4         76.2         50.8         17.3         49.3           15.8         155.4/168.1         12.7         196.9         76.2         38.1         95.3         50.8         26.2         75.4           uction           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97           15.8         133.4/141.2         12.7         152.4         50.8         25.4         76.2         50.8         17.3         49.3  </td> <td>C         MAX         H1         L         L1         L2         L3         L4         L5         L6         L7           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94         4.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97         4.00           15.8         133.4/141.2         12.7         152.4         50.8         25.4         76.2         50.8         17.3         49.3         101.6           15.8         155.4/168.1         12.7         196.9         76.2         38.1         95.3         50.8         26.2         75.4         101.6           uction         U<td>C         MAX         H1         L         L1         L2         L3         L4         L5         L6         L7         W           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94         4.00         5.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97         4.00         5.00           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           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           uction           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         1.03         2.97         4.00         5.00           0.62         5.25/5.56         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97         <t< td=""><td>C         MAX         H1         L         L1         L2         L3         L4         L5         L6         L7         W         W1           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94         4.00         5.00         4.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97         4.00         5.00         4.00           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           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           uction         U</td></t<></td></td>	C         MAX         H1         L         L1         L2         L3         L4         L5         L6           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97           15.8         133.4/141.2         12.7         152.4         50.8         25.4         76.2         50.8         17.3         49.3           15.8         155.4/168.1         12.7         196.9         76.2         38.1         95.3         50.8         26.2         75.4           uction           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97           15.8         133.4/141.2         12.7         152.4         50.8         25.4         76.2         50.8         17.3         49.3	C         MAX         H1         L         L1         L2         L3         L4         L5         L6         L7           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94         4.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97         4.00           15.8         133.4/141.2         12.7         152.4         50.8         25.4         76.2         50.8         17.3         49.3         101.6           15.8         155.4/168.1         12.7         196.9         76.2         38.1         95.3         50.8         26.2         75.4         101.6           uction         U <td>C         MAX         H1         L         L1         L2         L3         L4         L5         L6         L7         W           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94         4.00         5.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97         4.00         5.00           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           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           uction           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         1.03         2.97         4.00         5.00           0.62         5.25/5.56         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97         <t< td=""><td>C         MAX         H1         L         L1         L2         L3         L4         L5         L6         L7         W         W1           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94         4.00         5.00         4.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97         4.00         5.00         4.00           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           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           uction         U</td></t<></td>	C         MAX         H1         L         L1         L2         L3         L4         L5         L6         L7         W           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94         4.00         5.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97         4.00         5.00           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           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           uction           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         1.03         2.97         4.00         5.00           0.62         5.25/5.56         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97 <t< td=""><td>C         MAX         H1         L         L1         L2         L3         L4         L5         L6         L7         W         W1           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94         4.00         5.00         4.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97         4.00         5.00         4.00           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           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           uction         U</td></t<>	C         MAX         H1         L         L1         L2         L3         L4         L5         L6         L7         W         W1           n           0.62         5.25/5.56         0.50         6.00         2.00         1.00         3.00         2.00         0.68         1.94         4.00         5.00         4.00           0.62         6.12/6.62         0.50         7.75         3.00         1.50         3.75         2.00         1.03         2.97         4.00         5.00         4.00           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           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           uction         U

## Mild Steel **Order Information**

LOAD RATING (P	ER MODULE)***	PART#	PRICE
Single Module (Do	es NOT Include Loa	d Cell)	
250 lb-5,000 lb SE*	(113.4 kg- 2,268.0 kg)	17817	\$325.00
5,000 lb LE**- 10,000 lb	(2,268.0 kg- 4,535.9 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
1,000 lb	(453.6 kg)	18077	1,995.00
2,000 lb	(907.2 kg)	18078	1,995.00
2,500 lb	(1,134.0 kg)	18079	1,995.00
3,000 lb	(1,360.8 kg)	18080	1,995.00
4,000 lb	(1,814.4 kg)	18081	1,995.00
5,000 lb SE*	(2,268.0 kg)	18082	1,995.00
5,000 lb LE**	(2,268.0 kg)	18083	2,295.00
10,000 lb	(4,535.9 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
1,000 lb	(453.6 kg)	18087	2,595.00
2,000 lb	(907.2 kg)	18088	2,595.00
2,500 lb	(1,134.0 kg)	18089	2,595.00
3,000 lb	(1,360.8 kg)	18090	2,595.00
4,000 lb	(1,814.4 kg)	18091	2,595.00
5,000 lb SE*	(2,268.0 kg)	18092	2,595.00
5,000 lb LE**	(2,268.0 kg)	18093	2,995.00
10,000 lb	(4,535.9 kg)	18094	2,995.00

## **Stainless Steel Order Information**

LOAD RATING (P	ER MODULE)****	PART#	PRICE	
Single Module (Do	es NOT Include Loa	d Cell)		
250 lb-4,000 lb	(113.4 kg- 1,814.4 kg)	17818	\$525.00	
5,000 lb-10,000 lb	(2,268.0 kg- 4,535.9 kg)	17820	550.00	
3-Module Kit				
1,000 lb	(453.6 kg)	18095	2,695.00	
2,000 lb	(907.2 kg)	18096	2,695.00	
2,500 lb	(1,134.0 kg)	18097	2,695.00	
4,000 lb	(1,814.4 kg)	18099	2,695.00	
5,000 lb LE**	(2,268.0 kg)	18100	2,925.00	
10,000 lb	(4,535.9 kg)	18101	2,925.00	
4-Module Kit				
1,000 lb	(453.6 kg)	18102	3,595.00	
2,000 lb	(907.2 kg)	18103	3,595.00	
2,500 lb	(1,134.0 kg)	18104	3,595.00	
4,000 lb	(1,814.4 kg)	18106	3,595.00	
5,000 lb LE**	(2,268.0 kg)	18107	3,910.00	
10,000 lb	(4,535.9 kg)	18108	3,910.00	
Dummy Cell		·	·	
Dummy load cell	1 k-5 k SE*	22980	45.00	
**** Load rating is per	module			

† Use RL30000 load cells

**WEIGH MODULES** 

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\* SE refers to small envelope \*\* LE refers to large envelope \*\*\* Non NTEP Certified

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