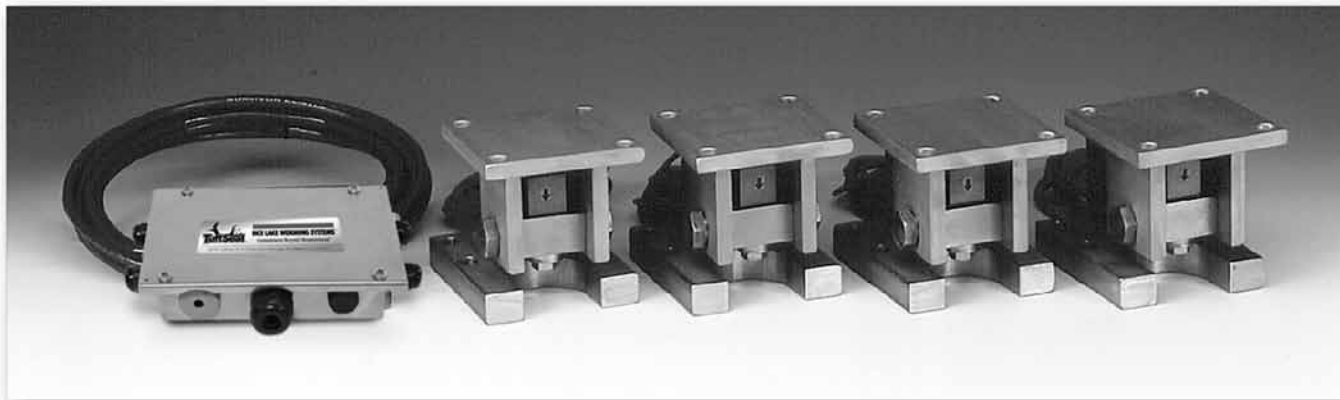


## RL1800 Series Mild Steel/Stainless Steel Weigh Modules



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.

Module with RL35023 single-ended beam load cell. Refer to pages 125-126 for load cell specifications.



### 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

### APPLICATIONS

- Conveyors
- Medium-capacity tanks and hoppers

### COMPLETE KIT INCLUDES

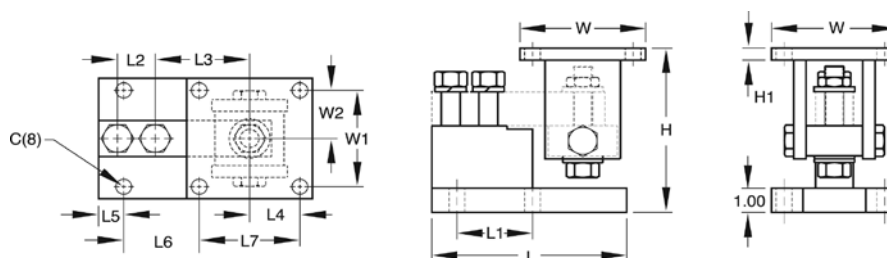
- 1 JB4SS NEMA 4X stainless steel signal trim junction box
- 3 or 4 RL1800 mild or stainless steel compression mounts
- 3 or 4 RL35023 single-ended beam load cells, RL35023S used in stainless kits (see pages 125-126)
- 25 ft of our Hostile Environment EL147HE SURVIVOR® load cell cable

### LOAD CELL CERTIFICATIONS



NOTE: Check with your local weights & measure officials for suitability in Legal for Trade applications.

# RL1800 Series Mild Steel/Stainless Steel Weigh Modules



## DIMENSIONS

| RATED CAPACITY                      | C    | H MIN/<br>MAX | H1   | L     | L1   | L2   | L3   | L4   | L5   | L6   | L7    | W     | W1    | W2   |
|-------------------------------------|------|---------------|------|-------|------|------|------|------|------|------|-------|-------|-------|------|
| <b>Mild Steel Construction</b>      |      |               |      |       |      |      |      |      |      |      |       |       |       |      |
| <b>lb/inches</b>                    |      |               |      |       |      |      |      |      |      |      |       |       |       |      |
| 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 |
| <b>kg/mm</b>                        |      |               |      |       |      |      |      |      |      |      |       |       |       |      |
| 113.4-2268.0                        | 15.8 | 133.4/141.2   | 12.7 | 152.4 | 50.8 | 25.4 | 76.2 | 50.8 | 17.3 | 49.3 | 101.6 | 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 |
| <b>Stainless Steel Construction</b> |      |               |      |       |      |      |      |      |      |      |       |       |       |      |
| <b>lb/inches</b>                    |      |               |      |       |      |      |      |      |      |      |       |       |       |      |
| 1000-4000                           | .62  | 5.25/5.56     | .50  | 6.00  | 2.00 | 1.00 | 3.00 | 2.00 | .68  | 1.94 | 4.00  | 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 |
| <b>kg/mm</b>                        |      |               |      |       |      |      |      |      |      |      |       |       |       |      |
| 453.6-1814.4                        | 15.8 | 133.4/141.2   | 12.7 | 152.4 | 50.8 | 25.4 | 76.2 | 50.8 | 17.3 | 49.3 | 101.6 | 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 |

## MILD STEEL ORDER INFORMATION

| *LOAD RATING (PER MODULE)                         | PART # | PRICE   |
|---------------------------------------------------|--------|---------|
| <b>Single Module (Does NOT Include Load Cell)</b> |        |         |
| 250-5000 lb SE (113.4-2268.0 kg)                  | 17817  | Consult |
| 5000 LE-10,000 lb (2268.0-4535.9 kg)              | 17819  | Consult |
| <b>3-Module Kit</b>                               |        |         |
| **250 lb (113.4 kg)                               | 18075  | Consult |
| **500 lb (226.8 kg)                               | 18076  | Consult |
| 1000 lb (453.6 kg)                                | 18077  | Consult |
| 2000 lb (907.2 kg)                                | 18078  | Consult |
| 2500 lb (1134.0 kg)                               | 18079  | Consult |
| 3000 lb (1360.8 kg)                               | 18080  | Consult |
| 4000 lb (1814.4 kg)                               | 18081  | Consult |
| 5000 lb SE (2268.0 kg)                            | 18082  | Consult |
| 5000 lb LE (2268.0 kg)                            | 18083  | Consult |
| 10,000 lb (4535.9 kg)                             | 18084  | Consult |
| <b>4-Module Kit</b>                               |        |         |
| **250 lb (113.4 kg)                               | 18085  | Consult |
| **500 lb (226.8 kg)                               | 18086  | Consult |
| 1000 lb (453.6 kg)                                | 18087  | Consult |
| 2000 lb (907.2 kg)                                | 18088  | Consult |
| 2500 lb (1134.0 kg)                               | 18089  | Consult |
| 3000 lb (1360.8 kg)                               | 18090  | Consult |
| 4000 lb (1814.4 kg)                               | 18091  | Consult |
| 5000 lb SE (2268.0 kg)                            | 18092  | Consult |
| 5000 lb LE (2268.0 kg)                            | 18093  | Consult |
| 10,000 lb (4535.9 kg)                             | 18094  | Consult |

SE refers to small envelope  
LE refers to large envelope

## STAINLESS STEEL ORDER INFORMATION

| *LOAD RATING (PER MODULE)                         | PART # | PRICE   |
|---------------------------------------------------|--------|---------|
| <b>Single Module (Does NOT Include Load Cell)</b> |        |         |
| 250-4000 lb (113.4-1814.4 kg)                     | 17818  | Consult |
| 5000-10,000 lb (2268.0-4535.9 kg)                 | 17820  | Consult |
| <b>3-Module Kit</b>                               |        |         |
| 1000 lb (453.6 kg)                                | 18095  | Consult |
| 2000 lb (907.2 kg)                                | 18096  | Consult |
| 2500 lb (1134.0 kg)                               | 18097  | Consult |
| 4000 lb (1814.4 kg)                               | 18099  | Consult |
| 5000 lb LE (2268.0 kg)                            | 18100  | Consult |
| 10,000 lb (4535.9 kg)                             | 18101  | Consult |
| <b>4-Module Kit</b>                               |        |         |
| 1000 lb (453.6 kg)                                | 18102  | Consult |
| 2000 lb (907.2 kg)                                | 18103  | Consult |
| 2500 lb (1134.0 kg)                               | 18104  | Consult |
| 4000 lb (1814.4 kg)                               | 18106  | Consult |
| 5000 lb LE (2268.0 kg)                            | 18107  | Consult |
| 10,000 lb (4535.9 kg)                             | 18108  | Consult |
| <b>Dummy Cell</b>                                 |        |         |
| Dummy load cell 1-5 k SE                          | 22980  | Consult |

\* Load Rating is per module

\*\* Use RL30000 load cells