



# DEFENDER™ 3000

Floor Platforms



Powder coated carbon steel platform



Stainless steel platform



## *Platforms for Basic Industrial Applications*

Defender 3000 Floor Platforms meet dry or washdown weighing needs in industrial and commercial use. Their high-quality construction is designed to minimize flexing under heavy loads for years of dependable performance. Defender 3000 Series floor platforms offer a unique combination of value and dependability that your company can rely on. Stainless steel bases include IP68 loadcells for wet areas. Ramps and mounting plates are available.

### *Unique Features:*

- Powder coated carbon steel, treaded or 304 stainless steel, flat surface decks with four alloy steel load cells, fixed top plate (5 mm / 0.196 in. thick) with structural bracing for stiff construction.
- Platforms available from in sizes of 3 x 3 ft, 4 x 4 ft and 5 x 5 ft, and capacities from 2,500 lb. to 5,000 lb. with NTEP certified 5,000e performance, allowing greater flexibility for your weighing needs.
- Platforms are equipped with an 20 ft EasyConnect™ cable which allows instant configuration with Defender indicators for quicker installation.
- Four alloy steel shear beam load cells with top-adjustable height swiveling ball-in-cup design feet to ease installation. Stainless steel bases feature washdown IP68 loadcells for wet area use.

# DEFENDER™ 3000 Floor Platforms

## Specifications

| Scale Models<br>(Powder coated)      | i-DF2500B1R                                                                              | i-DF2500B1L                            | i-DF5000B1L                          | i-DF2500B1X                             | i-DF5000B1X                          |
|--------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------|-----------------------------------------|--------------------------------------|
| Capacity x<br>Readability            | 2,500 lb x 0.5 lb<br>1,250 kg x 0.2 kg                                                   | 2,500 lb x 0.5 lb<br>1,250 kg x 0.2 kg | 5,000 lb x 1 lb<br>2,500 kg x 0.5 kg | 2,500 lb x 0.5 lb<br>1,250 kg x 0.2 kg  | 5,000 lb x 1 lb<br>2,500 kg x 0.5 kg |
| NTEP Certified<br>Resolution         | 1:5,000                                                                                  |                                        |                                      |                                         |                                      |
| Platform Size<br>(A x B x min H)     | 3 ft x 3 ft x 3.5 in                                                                     | 4 ft x 4 ft x 3.5 in                   |                                      | 5 ft x 5 ft x 3.5 in                    |                                      |
| Platform Material                    | Powder coated carbon steel, raised treaded surface, fixed top plate 5mm / 0.196 in thick |                                        |                                      |                                         |                                      |
| Load Cell Model                      | 4 x alloy steel, shear beam, NTEP Class III M                                            |                                        |                                      |                                         |                                      |
| Load Cell Capacity<br>Emax           | 550 kg                                                                                   | 550 kg                                 | 1,100 kg                             | 550 kg                                  | 1,100 kg                             |
| Load Cell Output<br>Impedance        | 350 ohm ± 3.5 ohm                                                                        |                                        |                                      |                                         |                                      |
| Load Cell<br>Excitation Voltage      | 5V ~ 15V, DC/AC                                                                          |                                        |                                      |                                         |                                      |
| Junction Box                         | IP65, 304 stainless steel, with 20' EasyConnect cable                                    |                                        |                                      |                                         |                                      |
| Net Weight                           | 221 lb / 100 kg                                                                          | 265 lb / 120 kg                        |                                      | 397 lb / 180 kg                         |                                      |
| Approx. Shipping<br>Weight           | 254 lb / 115 kg                                                                          | 298 lb / 135 kg                        |                                      | 430 lb / 195 kg                         |                                      |
| Shipping<br>Dimension<br>(W x L x H) | 4.2 x 4.2 x 0.9 ft<br>129 x 129 x 27 cm                                                  |                                        |                                      | 5.1 x 5.1 x 0.9 ft<br>156 x 156 x 27 cm |                                      |
| Maximum Central<br>Load              | 160% of maximum capacity                                                                 |                                        |                                      |                                         |                                      |
| Safe Endload<br>Capacity             | 100% of maximum capacity                                                                 |                                        |                                      |                                         |                                      |
| Operating<br>Temperature             | 14°F – 104°F / -10°C – 40°C, 85%RH, non-condensing                                       |                                        |                                      |                                         |                                      |
| Feet                                 | 4 x self-swiveling ball-in-cup design with rubber bottom, adjustable height top leveling |                                        |                                      |                                         |                                      |
| Accessories                          | Ramps, Mounting Foot Plates, Floor Columns                                               |                                        |                                      |                                         |                                      |



# DEFENDER™ 3000 *Floor Platforms*

## Specifications

| Scale Models<br>(Stainless steel)    | i-DF2500C1R                                                                              | i-DF2500C1L                            | i-DF5000C1L                          | i-DF2500C1X                             | i-DF5000C1X                          |
|--------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------|-----------------------------------------|--------------------------------------|
| Capacity x<br>Readability            | 2,500 lb x 0.5 lb<br>1,250 kg x 0.2 kg                                                   | 2,500 lb x 0.5 lb<br>1,250 kg x 0.2 kg | 5,000 lb x 1 lb<br>2,500 kg x 0.5 kg | 2,500 lb x 0.5 lb<br>1,250 kg x 0.2 kg  | 5,000 lb x 1 lb<br>2,500 kg x 0.5 kg |
| NTEP Certified<br>Resolution         | 1:5,000                                                                                  |                                        |                                      |                                         |                                      |
| Platform Size<br>(A x B x min H)     | 3 ft x 3 ft x 3.5 in                                                                     | 4 ft x 4 ft x 3.5 in                   |                                      | 5 ft x 5 ft x 3.5 in                    |                                      |
| Platform Material                    | Stainless steel, sand-blasted flat surface, fixed top plate 5mm / 0.196 in thick         |                                        |                                      |                                         |                                      |
| Load Cell Model                      | 4 x IP67 alloy steel, shear beam, NTEP Class III M                                       |                                        |                                      |                                         |                                      |
| Load Cell Capacity<br>Emax           | 550 kg                                                                                   | 550 kg                                 | 1,100 kg                             | 550 kg                                  | 1,100 kg                             |
| Load Cell Output<br>Impedance        | 350 ohm ± 3.5 ohm                                                                        |                                        |                                      |                                         |                                      |
| Load Cell<br>Excitation Voltage      | 5V ~ 15V, DC/AC                                                                          |                                        |                                      |                                         |                                      |
| Junction Box                         | IP68, 304 stainless steel, with 20' EasyConnect cable                                    |                                        |                                      |                                         |                                      |
| Net Weight                           | 212 lb / 96 kg                                                                           | 256 lb / 116 kg                        |                                      | 388 lb / 176 kg                         |                                      |
| Approx. Shipping<br>Weight           | 243 lb / 110 kg                                                                          | 287 lb / 130 kg                        |                                      | 419 lb / 190 kg                         |                                      |
| Shipping<br>Dimension<br>(W x L x H) | 4.2 x 4.2 x 0.9 ft<br>129 x 129 x 27 cm                                                  |                                        |                                      | 5.1 x 5.1 x 0.9 ft<br>156 x 156 x 27 cm |                                      |
| Maximum Central<br>Load              | 160% of maximum capacity                                                                 |                                        |                                      |                                         |                                      |
| Safe Endload<br>Capacity             | 100% of maximum capacity                                                                 |                                        |                                      |                                         |                                      |
| Operating<br>Temperature             | 14°F – 104°F / -10°C – 40°C, 85%RH, non-condensing                                       |                                        |                                      |                                         |                                      |
| Feet                                 | 4 x self-swiveling ball-in-cup design with rubber bottom, adjustable height top leveling |                                        |                                      |                                         |                                      |
| Accessories                          | Ramps, Mounting Foot Plates, Floor Columns                                               |                                        |                                      |                                         |                                      |

# DEFENDER™ 3000 Floor Platforms

## Ramp

| Powder-Coated Ramp | Stainless Steel Ramp | Width             | Length           | Height         |
|--------------------|----------------------|-------------------|------------------|----------------|
| 30812889           | 30812890             | 3 feet / 914 mm   | 26.4 in / 670 mm | 3.5 in / 90 mm |
| 80252565           | 30812891             | 4 feet / 1,220 mm | 26.4 in / 670 mm | 3.5 in / 90 mm |
| 80252566           | 30812892             | 5 feet / 1,524 mm | 26.4 in / 670 mm | 3.5 in / 90 mm |

## Other Standard Features and Equipment

Side-access IP65 or IP68 stainless steel junction box and sealed loadcells, protected internal wiring (included). Indicators, ramps, loadcell cable extenders, foot plates and indicator stands (available as options)

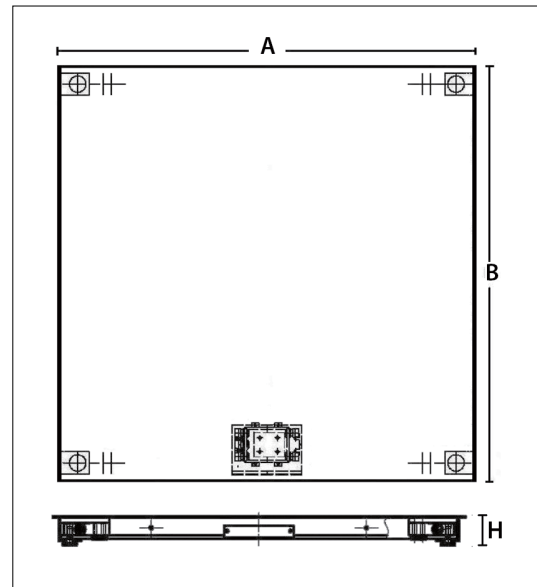
## Accessories

Foot Plate Kit, Painted Steel, for i-DFxxxB1x ..... 72198344  
 Foot Plate Kit, Stainless Steel, for i-DFxxxC1x .....72198345  
 Ramp Kit, 36", Painted Steel, for i-DFxxxB1R .....30812889  
 Ramp Kit, 48", Painted Steel, for i-DFxxxB1L .....80252565  
 Ramp Kit, 60", Painted Steel, for i-DFxxxB1X .....80252566  
 Ramp Kit, 36", Stainless Steel, for i-DFxxxC1R .....30812890  
 Ramp Kit, 48", Stainless Steel, for i-DFxxxC1L .....30812891  
 Ramp Kit, 60", Stainless Steel, for i-DFxxxC1X .....30812892  
 Floor Scale Column Kit Painted .....30531244  
 Floor Scale Column Kit SST.....30539553

## Compliance

- **Metrology:** Load Cell: NTEP: CC 13-081  
Platform: NTEP: CC 08-048A1
- **Ingress Protection:** IEC 60529 – IP68 for load cells,  
IEC 60529 – IP68 for junction box used in stainless steel floor scale,  
IEC 60529 – IP65 for junction box used in painted steel floor scale.
- **Other:** WEEE, RoHS

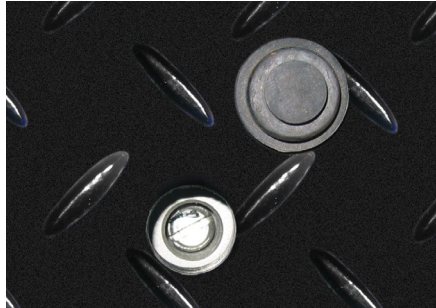
## Outline Dimensions (Platform Size)



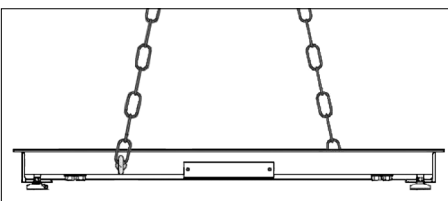
## Structural Features



Design features welded steel ribs and channels for structural stiffness



Top access to foot height adjustment screws makes leveling easy



Carbon steel eyebolts included for easy installation



Stainless steel feet with rubber bottoms are attached to each load cell – ball-in-cup design makes feet self-swiveling and base easier to install



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