



ProDec DSL/DSL Series Floor Scale

Technical Specification

DESCRIPTION

General

Since its introduction two decades ago, the ProDec has become the benchmark for robustness, quality and affordability. Revered by market insiders for its impressive craftsmanship, the ProDec is known as the workhorse of the industry, withstanding many hours of use with minimal downtime. The high uptime is a key reason for thousands of ProDec installations at locations requiring around the clock functionality to optimize operations while reducing costly downtime.

Design

Low profile design – The height of 3.31 inches on the 5000 lb model, 4.06 inches on the 10,000 lb model and 5 inches on the 20,000 lb model allow for easy loading and unloading.

Exclusively designed Weigh Bars® – The Weigh Bar outperforms most shear beam loadcells in accuracy and reliability due to its low V min. When fitted with a Weigh Bar, the ProDec will perform as fast, as stable and as accurately in a 5000 lb setup as it does in a 10,000 lb capacity. This provides our customers with a higher strength deck and the flexibility to lower the legal for trade capacity and resolution without losing accuracy or performance.

Unsurpassed rigidity – The ProDec is engineered to provide outstanding strength and robustness at all times with its steel support channel understructure welded to a $\frac{3}{16}$ " top plate in the 2000/5000 lb capacity scale while the 10,000 lb capacity has a $\frac{1}{4}$ " top plate – this helps to keep the deck from warping and bending.

Serviceability – Hidden under an easily removable access plate in the top deck structure, the ProDec's junction box can be easily accessed for servicing but remains well protected from damage.

Four-way ramps – Ramps can be placed to speed up workflow from multiple directions and improve efficiency for many applications.

Tread plate deck texture – This deck texture pattern provides higher traction than non-checked designs and reduces the risk for slip and fall accidents.

Adjustable feet – The corrosion resistant stainless steel feet with locking nuts are adjustable and allow for leveling between $\frac{3}{8}$ " to $\frac{1}{2}$ ".

End loading – The ProDec is designed to accommodate some of the most unique weighing situations. The ProDec has an end loading rating of 200% at a 2000 lb, 150% at 5000 lb and 100% for the 10,000 lb and 20,000 lb.

Axle loading – The ProDec axle load ratings are: 3300 lb for a 5000 lb scale; 5000 lb for 10,000 lb capacity; and 10,000 lb for 20,000 lb capacity scales.



SPECIFICATIONS

Standard sizes, capacities and finishes:

Capacity	Model No.	Dimensions	Stainless Steel	Powder Paint	Urethane Finish
2000 / 5000 lb (1000 / 2500 kg)	DSL3030-05	30 x 30 x 3.31 in (76 x 76 x 8.4 cm)		■	
	DSL3636-05	36 x 36 x 3.31 in (91 x 91 x 8.4 cm)	■	■	
	DSL4848-05	48 x 48 x 3.31 in (122 x 122 x 8.4 cm)	■	■	
	DSL6048-05	60 x 48 x 3.31 in (152 x 122 x 8.4 cm)	■	■	
	DSL7248-05	72 x 48 x 3.31 in (186 x 122 x 8.4 cm)	■	■	
	DSL6060-05	60 x 60 x 3.31 in (152 x 152 x 8.4 cm)	■	■	
5000 / 10,000 lb (2,500 / 5000 kg)	DSL4848-10	48 x 48 x 4.06 in (122 x 122 x 10.3 cm)		■	
	DSL6048-10	60 x 48 x 4.06 in (152 x 122 x 10.3 cm)		■	
	DSL7248-10	72 x 48 x 4.06 in (183 x 122 x 10.3 cm)		■	
	DSL6060-10	60 x 60 x 4.06 in (152 x 152 x 10.3 cm)	■		■
	DSL7260-10	72 x 60 x 4.06 in (183 x 152 x 10.3 cm)			■
	DSL8460-10	84 x 60 x 4.06 in (213 x 152 x 10.3 cm)	■		■
	DSL8472-10	84 x 72 x 4.06 in (213 x 183 x 10.3 cm)			■
DSL9672-10	96 x 72 x 4.06 in (244 x 183 x 10.3 cm)			■	
10,000 / 20,000 lb (5000 / 10,000 kg)	DSL6060-20	60 x 60 x 5.00 in (152 x 152 x 12.7 cm)			■
	DSL8460-20	84 x 60 x 5.00 in (213 x 152 x 12.7 cm)			■
	DSL9672-20	96 x 72 x 5.00 in (244 x 183 x 12.7 cm)			■

Construction: Welded support channels. All cables protected within the deck to eliminate potential damage to wiring.

2000/5000 lb capacity: 3/16" top plate

10,000 lb capacity: 1/4" top plate

Lifting positions: 48" or less – 1 lifting eye on each of the two short sides of the scale. Over 48" – 2 lifting eyes each on each of the two short side of the scale

Lifting eye size: .50-13 UNC

Weight sensors: Four Weigh Bars

Weigh Bar output:

2000 lb capacity: 0.54 mv/v

5000 lb, 10,000 lb and 20,000 lb capacity: 1.35 mv/v

Overload protection: 150%

End loading: The end load ratings vary by capacity: 200% at 2000 lb, 150% at 5000 lb, and 100% for the 10,000 lb and 20,000 lb capacities.

Accuracy: Meets or exceeds NTEP Class III 5000 division accuracy

Temperature: 14° to 104°F (-10° to 40°C)

Interface cable: 5 or 10 ft cable included

Agencies:

NTEP Certificate of Conformance #90-132.A2

Factory Mutual (FM) approved Weigh Bars and junction box. When connected to a GSE 350 Indicator, the ProDec provides a Factory Mutual approved system for Class I, II, III; Divisions 1 & 2; Groups A, B, V D, E, F, G.

Canadian Weights and Measures

Shipping weights:

Model No.	Carbon Steel	Stainless Steel
DSL3030-05	176 lb (80 kg)	
DSL3636-05	223 lb (101 kg)	
DSL3636-02		183 lb (83 kg)
DSL4848-05	338 lb (154 kg)	381 lb (173 kg)
DSL6048-05	391 lb (178 kg)	441 lb (200 kg)
DSL7248-05	456 lb (207 kg)	521 lb (237 kg)
DSL6060-05	484 lb (220 kg)	549 lb (259 kg)
DSL4848-10	491 lb (223 kg)	
DSL6048-10	566 lb (257 kg)	
DSL7248-10	641 lb (291 kg)	
DSL6060-10	679 lb (309 kg)	679 lb (309 kg)
DSL7260-10	772 lb (351 kg)	
DSL8460-10	910 lb (414 kg)	
DSL8472-10	1027 lb (467 kg)	
DSL9672-10	1133 lb (515 kg)	
DSL6060-20	850 lb (385 kg)	
DSL8460-20	1140 lb (517 kg)	
DSL9672-20	1420 lb (644 kg)	

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