

Toughdeck Platforms

FEATURES

- Low profile
- Rugged construction
- Stainless steel versions available
- Sealed NEMA 4X stainless steel junction box
- 4 double plated, high alloy tool steel load cells
- 2, 5, and 10 thousand pound capacities available

APPLICATIONS

- Floor scale systems
- Ramp access scales
- Shipping/receiving
- Pit scales
- Drum weighing
- Pallet scales

DESCRIPTION

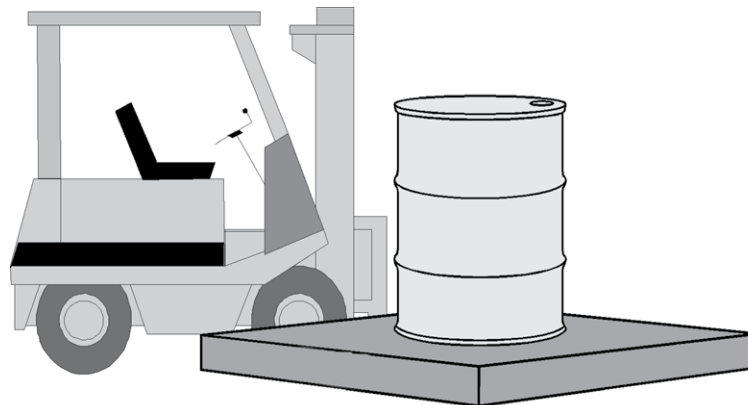
PHL platform scales are available in a full range of capacities and sizes for use in many industrial weighing applications. Each platform corner contains a nickel plated, alloy steel shear beam load cell with a shock resistant, rubber and steel foot assembled in place. Individual shear beams are sized and mounted in such a way that the platform can handle the full rated load capacity at any surface point, even the edges. Oversized shear beams (each of the four beams is rated at 50% of platform capacity) prevent platform damage due to 'shock' overloads and vehicle traffic. Adjustable feet allow scale leveling to make up for minor floor/pit irregularities.



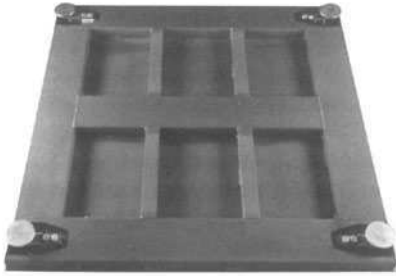
For permanent installations, two of the four feet can be held in place with optional 'Anchor Plates' to guard against deck movement.

Low profile construction (overall height is only 3.25 in.) simplifies installation in pits. Optional loading ramps allow easy access for any floor level PHL application. The heavy duty diamond plate loading surface takes a lot of use (and abuse) from drums, bins, pallets, etc. Optional stainless steel Toughdeck platforms perform well in harsh, wash down areas. Toughdeck platforms are FM approved for Class I and II, Div. 1 and 2 Group A-G hazardous areas.

CONFIGURATION



Toughdeck Platforms



Support Feet Adjust To Installation Surfaces



Integral Junction Box

BUILT FOR ROUGH ENVIRONMENTS

Using 6” structural steel channel, PHL platforms are built to take the day-to-day rigors of industrial weighing. Load cell cables are contained within the platform structure to prevent damage. The load cells are recessed within the channel and protected on all sides, yet easily accessed for leveling.

UNIQUE SIDE ENTRY ‘INTEGRAL’ J-BOX

PHL platforms feature a slide-out summing junction box which is protected from forks and the elements by the 6” steel channel. The cover plate is fastened directly to the steel framing channel by two easily removed screws, providing quick access for service.

OPTIONS		
ACCESS RAMPS (W x L x H)	PIT FRAMES (W x L)	ANCHOR PLATES
2.5 ft x 3 ft x 3.5 in	2.5 ft x 2.5 ft	Set of two (anchor plates hold platform in place when used as a stand-alone floor scale)
3 ft x 3 ft x 3.5 in	3 ft x 3 ft	
4 ft x 3 ft x 3.5 in	4 ft x 4 ft	
5 ft x 3 ft x 3.5 in	5 ft x 5 ft	
2.5 ft x 4 ft x 3.5 in	4 ft x 5 ft	
3 ft x 4 ft x 3.5 in	4 ft x 6 ft	
4 ft x 4 ft x 3.5 in	5 ft x 6 ft	
5 ft x 4 ft x 3.5 in	5 ft x 7 ft	

SPECIFICATIONS			
PARAMETER	VALUE	PARAMETER	VALUE
PERFORMANCE		TEMPERATURE	
Capacity	2000, 5000, and 10,000 lb	Compensated range	-15 to 65°C (0 to 150°F)
Rated output (RO)	1.5 mV/V (2k and 5k); 1.875 mV/V (10k)	ADVERSE LOAD RATINGS	
Nonlinearity	0.03% RO	Safe overload	200% RO
Hysteresis	0.02% RO	End load	100% RO
Recommended excitation	10 VDC or VAC	MATERIAL	
Max. excitation	15 VDC or VAC	Enamel painted mild steel Nickel plated load beams	
Bridge resistance	350 Ω (nominal)	OPTIONAL: 304 stainless platform with 17-4ph beams	
Insulation resistance	5000 MΩ		
Electrical connection	20 M, 6 conductor shielded cable		

Toughdeck Platforms

CABLE COLOR CODE*		
CABLE CODE	TERM NO.	FUNCTION
Red	7	(+ excitation)
Black	5	(- excitation)
Green	3	(+ signal)
White	2	(- signal)
Bare	1	(shield)
Blue	6	(+ sense)
Yellow	4	(- sense)

* Different from standard BLH Nobel cable color code

DIMENSIONS HEIGHT (ALL UNITS) 3.00 TO 3.25 IN. ADJUSTABLE		
SIZE	CAPACITY	SHIP WEIGHT*
2.5×2.5 ft	2K	171 lb
3×3 ft	2K	228 lb
4×4 ft	2K	338 lb
4×4 ft	5K	380 lb
4×4 ft	10K	484 lb
4×5 ft	5K	461 lb
4×5 ft	10K	595 lb
4×6 ft	5K	541 lb
4×6 ft	10K	701 lb
5×5 ft	5K	548 lb
5×5 ft	10K	707 lb
5×6 ft	5K	643 lb
5×6 ft	10K	832 lb
5×7 ft	5K	805 lb
5×7 ft	10K	1010 lb

* includes packing material

BLH Nobel is continually seeking to improve product quality and performance. Specifications may change accordingly.

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