

DIAMOND BASES

Fully washdown stainless steel Diamond Bench Bases designed for use within the food industry.

Technical Specification



DESCRIPTION

Certified by NSF to NSF/ANSI Standard 3-A, the Diamond BS Bases are ideal for high capacity bench and floor applications in food environments.

The rugged Diamond Base design offers an easy to clean, IP69K, spider design which helps to transfer shock loads

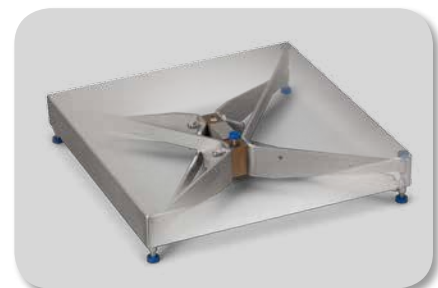
and overloads away from the load cell, offering up to 150% overload protection.

Available in a range of sizes, capacities and base finishes from carbon steel for general use, to fully stainless steel NSF certified for food or outdoor applications.

SPECIFICATIONS

PHYSICAL

Operating Application	Designed to operate in a wide range of applications from general use to meat, fish, poultry and dairy processing and dry food applications.
Load Cell	Fitted with IP69K fully stainless steel NTEP approved load cell. Supplied with a 6 wire 10 ft (3 meter) load cell cable.
Base Construction	Carbon steel bases – Carbon steel construction with a high grade powder paint finish understructure and shroud. Stainless steel bases – Easy to clean design. Certified by NSF to NSF/ANSI Standard 3-A. Full stainless steel design, constructed from a food-grade 304 fine brush base with a pickle and electro polish weigh pan ideal for food contact areas.
Operating Temperature	Compliance with legal for trade requirements -4° F to 140° F / -20° C to 60° C (industrial) 10 to 90% humidity
Excitation	Up to 15 VDC (Generated by the weight display)
Load Cell Output	1 mV/V
Feet Adjustment	Captive thread food grade feet with up to ¼ in (6mm) foot adjustment on stainless steel version.
Overload Protection	150%
Corner Loading	100%
IP Protection	IP69K
Approved Accuracy	5000d NTEP approval, 5000d Measurement Canada approval 5000d OIML/EC approved



Base construction

BASE CAPACITY/RESOLUTION

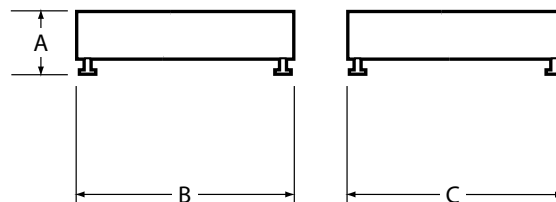
	Base size	NTEP Resolution	EC/OIML Resolution
Carbon steel	18 in x 18 in (460 mm x 460 mm)	50 lb x 0.01 lb (25 x 0.005 kg)	
	18 in x 24 in (460 mm x 610 mm)	100 lb x 0.02 lb (50 x 0.01 kg)	45 x 0.01 kg
	20 in x 20 in (510 mm x 510 mm)	100 lb x 0.02 lb (50 x 0.01 kg)	
		200 lb x 0.05 lb (100 x 0.02 kg)	100 x 0.02 kg
	24 in x 24 in (610 mm x 610 mm)	100 lb x 0.02 lb (50 x 0.01 kg)	
		200 lb x 0.05 lb (100 x 0.02 kg)	250 x 0.05 kg
Stainless steel (IP69K)	14 in x 14 in (360 mm x 360 mm)	30 lb x 0.01 lb (15 x 0.005 kg)	
	18 in x 18 in (460 mm x 460 mm)	50 lb x 0.01 lb (25 x 0.005 kg)	
	18 in x 24 in (460 mm x 610 mm)	100 lb x 0.02 lb (50 x 0.01 kg)	45 x 0.01 kg
		200 lb x 0.05 lb (100 x 0.2 kg)	
	20 in x 20 in (510 mm x 510 mm)	100 lb x 0.02 lb (50 x 0.01 kg)	50 x 0.01 kg
		200 lb x 0.05 lb (100 x 0.2 kg)	100 x 0.02 kg
	24 in x 24 in (610 mm x 610 mm)	100 lb x 0.02 lb (50 x 0.01 kg)	
		200 lb x 0.05 lb (100 x 0.2 kg)	250 x 0.05 kg
		500 lb x 0.1 lb (250 x 0.05 kg)	

DIMENSIONS (inches)

Base Size	a1	a2	b	c
14 in x 14 in	4"	5"	14"	14"
18 in x 18 in	4"	5"	18"	18"
20 in x 20 in	4"	5"	20"	20"
18 in x 24 in	4"	5"	18"	18"
24 in x 24 in	4"	5"	24"	24"

a1 = Carbon Steel

a2= Stainless Steel



DIMENSIONS (inches)

Base Size	a1	a2	b	c
14 in x 14 in	100	125	360	360
18 in x 18 in	100	125	460	460
20 in x 20 in	100	125	510	510
18 in x 24 in	100	125	460	610
24 in x 24 in	100	125	610	(610)

a1 = Carbon Steel

a2= Stainless Steel

OPTIONS

Options

Ball-top shroud – keep product moving. Reduce operator lifting and bending. (Not NSF approved)

Portable cart – makes scale portable, ideal when taking scale to the cleaning room. Constructed in stainless steel, with adjustable height.

APPROVALS

Agencies

IP69K approved

NTEP (US) Class 111/IIIL 5,000 d CC#88-104

AM (Measurement Canada) WA-3094

Certified by NSF to NSF/ANSI Standard 3-A 14159-1-2010

EC & OIML approval



Measurement
Canada Approved
WA-3094

Portable cart option



PLATINUM DISTRIBUTOR



888-236-5650
sales@bsiscales.com
www.bsiscales.com

Avery Weigh-Tronix

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