

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

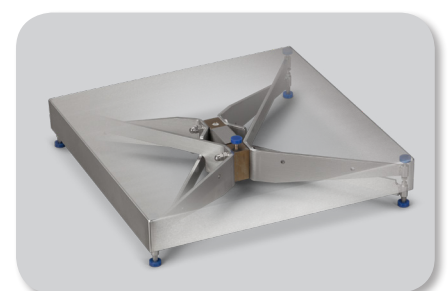
and overloads away from the load cell, offering up to 150% overload protection.

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" (6mm) foot adjustment on stainless steel version.
Overload Protection	150%
Corner Loading	100%
IP Protection	IP69K
Approved Accuracy	5000d NTEP approval, 5000d Measurement Canada approved 5000d OIML/EC approved



Base construction

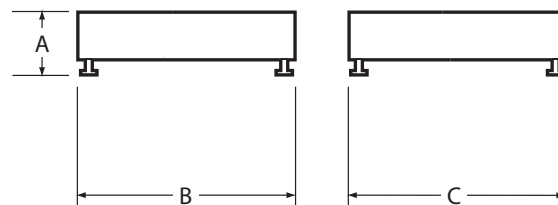
BS DIAMOND BASES *Technical Specification*

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
		500 lb x 0.1 lb (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)	
		500 lb x 0.1 lb (250 x 0.05 kg)	250 x 0.05 kg

DIMENSIONS (inches)

Base Size	a	b	c
14" x 14"	4 in (100 mm)	14 in (360 mm)	14 in (360 mm)
18" x 18"	4 in (100 mm)	18 in (460 mm)	18 in (460 mm)
20" x 20"	4 in (100 mm)	20 in (510 mm)	20 in (510 mm)
18" x 24"	4 in (100 mm)	18 in (460 mm)	24 in (610 mm)
24" x 24"	4 in (100 mm)	24 in (610 mm)	24 in (610 mm)



OPTIONS

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

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

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