



IP69K stainless steel torsion bench bases designed for use within the food industry.



*Technical Specification*



## DESCRIPTION

Certified by NSF to NSF/ANSI Standard 3-A, the IP69K torsion bases are ideal bench bases for use within all types of food environments.

The rugged torsion base design and innovative Breakaway Load Transfer system help to transfer shock loads and overloads away from the load cell, offering up to 500%

overload protection and guaranteeing accuracy and reliability even in the toughest environments.

Legal for trade and available in a range of base sizes, accuracies and capacities, this fully washdown IP69K torsion bench base is stainless steel and constructed with minimal food trap areas for ease of cleaning.

## SPECIFICATIONS

### PHYSICAL

<b>Operating Application</b>	Designed to operate in a wide range of food processing environments, from meat, fish, poultry and dairy to dry food applications.
<b>Load Cell</b>	Fitted with fully stainless steel 3000d BSG & 5000d BSF approved NTEP /C3 R60 approved load cell that when fitting inside the Torsion base design provides full IP69K wash-down protection. Supplied with a 6 wire 10 ft (3 meter) long load cell cable
<b>Base Construction</b>	IP9K easy-to-clean, certified by NSF to NSF/ANSI Standard 3-A. Full stainless steel design, constructed from a food-grade 304 brushed base with a pickle and electro polish weigh pan ideal for food contact areas. Designed with a breakaway load transfer system to help fully protect the load cells from unwanted overloads and shock loads.
<b>Operating Temperature</b>	Compliance with legal for trade requirements -4° F to 140° F / -20° C to 60° C (industrial) 10 to 90% humidity
<b>Load Cell Output</b>	2 mV/V
<b>Feet Adjustment</b>	Captive thread food grade feet with up to ¼" (6mm) foot adjustment
<b>Overload Protection</b>	500%
<b>Corner Loading</b>	100%
<b>IP Protection</b>	Two torsion bench base models: Torsion base BSG 3000d, IP69K Torsion base BSF 5000d, IP69K



**Base construction**

# BSF/BSG TORSION BASES *Technical Specification*

## BASE CAPACITY/RESOLUTION

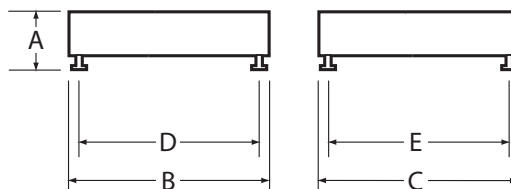
	Base size	Resolution (North America)	Resolution (Europe)
<b>BSG 3000d Torsion base</b> IP69K	8.75" x 8.75" (220mm x 220mm) v min 0.002 lb n max 3000d, max capacity 100 lb	6 x 0.002 lb (3 x 0.001kg) 12 x 0.005 lb (6 x 0.002 kg)	3 x 0.001 kg 6 x 0.002 kg
	12" x 14" (310mm x 350mm) v min 0.01 lb n max 3000d, max capacity 100 lb	30 x 0.01 lb (15 x 0.005 kg) 60 x 0.02 lb (30 x 0.01 kg) 100 x 0.05 lb (45 x 0.02 kg)	15 x 0.005 kg 30 x 0.01 kg 50 x 0.02 kg
<b>BSF 5000d Torsion base</b> IP69K	8.75" x 8.75" (220mm x 220mm)	5 x 0.001 lb (2.5 x 0.005 kg) 10 x 0.002 lb (5 x 0.001 kg)	
	12" x 14" (310mm x 350mm)	25 x 0.005 lb (10 x 0.002 kg) 50 x 0.01 lb (25 x 0.005 kg) 100 x 0.02 lb (45 x 0.01 kg)	

## DIMENSIONS (inches)

Base Size	a	b	c	d	e
<b>8.75" x 8.75"</b>	3.70	8.75	8.75	6.63	6.63
<b>12" x 14"</b>	4.30	13.75	12.25	10	11.50

## DIMENSIONS (mm)

Base Size	a	b	c	d	e
<b>220mm x 220mm</b>	94	222	222	168	168
<b>310mm x 350mm</b>	110	349	311	225	292



## Approved Accuracy

Model BSG 3000d NTEP (3000d EC /OIML)  
Model BSF 5000d NTEP and  
Measurement Canada (3000d EC/ OIML)

## APPROVALS

### Agencies

NTEP (US) Class 111/IIIL 5,000 d (BSF: CC# 11-035); (BSG: CC# 03-067)  
AM (Measurement Canada) (BSF: AM# 5864)  
OIML / EC Class III 3,000 d  
Certified by NSF to NSF/ANSI Standard 3-A 14159-1-2010  
IP69K approved



Measurement  
Canada Approved

# Avery Weigh-Tronix

[www.averyweigh-tronix.com](http://www.averyweigh-tronix.com)

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