



## Diamond Series Bench Scales

*Technical Specification*



Carbon steel base  
with Ball-top option

### DESCRIPTION

#### General

They're the Diamond Series because they've set a high standard for performance. They're tough and dependable.

#### Design

- **Large selection** – Choose the size that's right. Capacities from 30 to 500 lb. Deck sizes of 14, 18, 20 and 24 inches.
- **Stainless or carbon steel** – Choose the scale that's right for the working environment.
- **Proven design** – They are Diamond tough. Count on them for a lifetime of hard work.
- **Rugged** – Overload stops protect scale from excessive loads or dropped objects.
- **Reliable** – Single Weigh Bar design with no moving parts for low maintenance.

#### Options

- **Ball-top shroud** – Keep product moving. Reduce operator lifting and bending.
- **Extended cable length** – If your application calls for placing the indicator at a remote location.
- **Portable cart (below)** – Move the scale easily from site to site. Double the work of a single scale. Constructed of stainless steel, adjustable height, with attached indicator stand.





## SPECIFICATIONS

### Dimensions and Capacities

Both carbon steel and stainless steel Diamond Bench Scale bases are available in the following sizes and capacities:

Model	Capacity		Dimensions
1414-30	30 lb	15 kg	14" x 14" x 4" 35.6 cm x 35.6 cm x 10 cm
1818-50	50 lb	25 kg	18" x 18" x 4" 45.7 cm x 45.7 cm x 10 cm
2020-100	100 lb	50 kg	20" x 20" x 4"
2020-200	200 lb	100 kg	51 cm x 51 cm x 10 cm
1824-100	100 lb	50 kg	18" x 24" x 4"
1824-200	200 lb	100 kg	45.7 cm x 61 cm x 10 cm
2424-100	100 lb	50 kg	24" X 24" X 4" 61 cm x 61 cm x 10 cm
2424-200	200 lb	100 kg	
2424-500	500 lb	250 kg	

### Construction

**Carbon steel bases** – Carbon steel construction with a high grade powder paint finish understructure and shroud

**Stainless steel bases** – Stainless steel shroud and stainless steel under-structure and load cell

**Cable length** – All bases come with 10 foot of five conductor interface cable.

**Excitation** – Up to 15 VDC (Generated by the weight display)

**Output** – 1 mV/V

**Overload** – Up to 150% of the scale capacity

### Environment

Compensated from 14° to 104°F (-10° to 40°C)

### Agencies

NTEP Class III at 5,000d

Certificate of Conformance #88-104

#### Avery Weigh-Tronix - USA

1000 Armstrong Drive,  
 Fairmont, MN 56031-1439 USA  
 usinfo@awtxglobal.com  
 Toll-Free: (800) 533-0456  
 Phone: (507) 238-4461

#### Avery Weigh-Tronix - UK

Foundry Lane, Smethwick,  
 West Midlands B66 2LP UK  
 info@awtxglobal.com  
 Phone: +44 (0) 870 90 34343  
 Fax: +44 (0) 121 224 8183

Please call us or visit [www.averyweigh-tronix.com](http://www.averyweigh-tronix.com)  
 for your nearest Avery Weigh-Tronix distributor

# Avery Weigh-Tronix

