

# Chatillon® BP15 Series Bench Scales

Specification Sheet

SS-BP15-0310

March 2010

The CHATILLON® BP15 Series bench platform scale features a large, easy-to-read 15-inch (380 mm) dial with knife-edge pointer for accurate measurements. Scales are supplied for H44 Class III "Legal for Trade" applications. Designed for platform use, the BP15 features a rugged cast-iron base with heavy-gauge steel platform for excellent stability. The scale's mounting feet are adjustable. Options include a stainless steel platform, 7-inch (178 mm) deep provisional pan and quick tare knob. Tare adjustments may be made up to 10% of rated capacity. The scale's head cover and column back are removable for easy access to the dial mechanism and the dashpot. Units are shipped assembled.

## Features

- H44 Class III "Legal for Trade"
- Avoirdupois and Metric Dials
- 15-inch (380mm) Reading Dial with Knife-edge Pointer
- Full Scale in 1 Revolution
- Rugged Cast Iron Base, Heavy-gauge Steel Construction
- 1 Year Warranty

## Specifications

**Accuracy:** See Ordering

**Safe Overload:** 120% of rated capacity

**Ultimate Overload:** 125% of Rated Capacity

**Display:** Single Reading

**Operating Temperature:** 45° to 104°F (7° to 40°C)

**Storage Temperature:** -4° to 104°F (-20° to 40°C)

**Instrument Weights:** 100 lbs (45 kg)

**Shipping Weight:** 120 lbs (55 kg)

*Note: Weights are approximate.*



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## Ordering

### Accuracies - Class III "Legal for Trade"

| Model       | Resolution    | Range        | Scale Divisions | Tolerance Division | Weight  | %Accurate |
|-------------|---------------|--------------|-----------------|--------------------|---------|-----------|
| BP15-050-T  | 50 lb x 1 oz  | 0 - 31 lb    | 0 - 500         | ±1/2 d             | ±1/2 oz | ±0.06%    |
|             |               | 32 - 50 lb   | 501 - 2000      | ±1 d               | ±1 oz   | ±0.13%    |
| BP15-100-T  | 100 lb x 2 oz | 0 - 62 lb    | 0 - 500         | ±1/2 d             | ±1 oz   | ±0.06%    |
|             |               | 63 - 100 lb  | 501 - 2000      | ±1 d               | ±2 oz   | ±0.13%    |
| BP15-200-T  | 200 lb x 4 oz | 0 - 124 lb   | 0 - 500         | ±1/2 d             | ±2oz    | ±0.06%    |
|             |               | 125 - 200 lb | 501 - 2000      | ±1 d               | ±4 oz   | ±0.13%    |
| BP15-400-T  | 400 lb x 8 oz | 0 - 248 lb   | 0 - 500         | ±1/2 d             | ±4oz    | ±0.06%    |
|             |               | 249 - 400 lb | 501 - 2000      | ±1 d               | ±8 oz   | ±0.13%    |
| BP15-025K-T | 25 kg x 50 g  | 0 - 25 kg    | 0 - 500         | ±1/2 d             | ±25 g   | ±0.10%    |
|             |               |              | 501 - 2000      | ±1 d               | ±50 g   | ±0.20%    |
| BP15-050K-T | 50 kg x 100 g | 0 - 50 kg    | 0 - 500         | ±1/2 d             | ±50 g   | ±0.10%    |
|             |               |              | 501 - 2000      | ±1 d               | ±100 g  | ±0.20%    |

### Accuracies - No Class

| Model       | Resolution     | Range        | Scale Divisions | Tolerance Division | Weight  | %Accurate |
|-------------|----------------|--------------|-----------------|--------------------|---------|-----------|
| BP15-100K-T | 100 kg x 250 g | 0 - 12 kg    | 0 - 50          | ±1/2 d             | ±125 g  | ±0.13%    |
|             |                | 13 - 50 kg   | 51 - 200        | ±1 d               | ±250 g  | ±0.25%    |
|             |                | 51 - 100 kg  | 201 - 400       | ±1-1/2 d           | ±375 g  | ±0.38%    |
|             |                |              | 400 +           | ±2-1/2 d           | ±625 g  | ±0.63%    |
| BP15-200K-T | 200 kg x 500 g | 0 - 24 kg    | 0 - 50          | ±1/2 d             | ±250 g  | ±0.13%    |
|             |                | 25 - 100 kg  | 51 - 200        | ±1 d               | ±500 g  | ±0.25%    |
|             |                | 101 - 200 kg | 201 - 400       | ±1-1/2 d           | ±750 g  | ±0.38%    |
|             |                |              | 400 +           | ±2-1/2 d           | ±1250 g | ±0.63%    |

These accuracies and tolerances are based on Handbook 44 Guidelines.

Certificate of Conformance No. 88-096A1, Model 13/A and Type 15, was issued under the national Type Evaluation Program of the National Conference on Weights and Measures, that the design conforms to NIST Handbook 44 Class III. The scale is "Legal for Trade" subject to on-site verification by the local Weights and Measures jurisdictions.

Class III models meet all requirements of NIST Handbook 44 Class III. Usage of Class III scales in trade is limited to certain transactions. Consult your local Office of Weights and Measures for clarification.

## Accessories

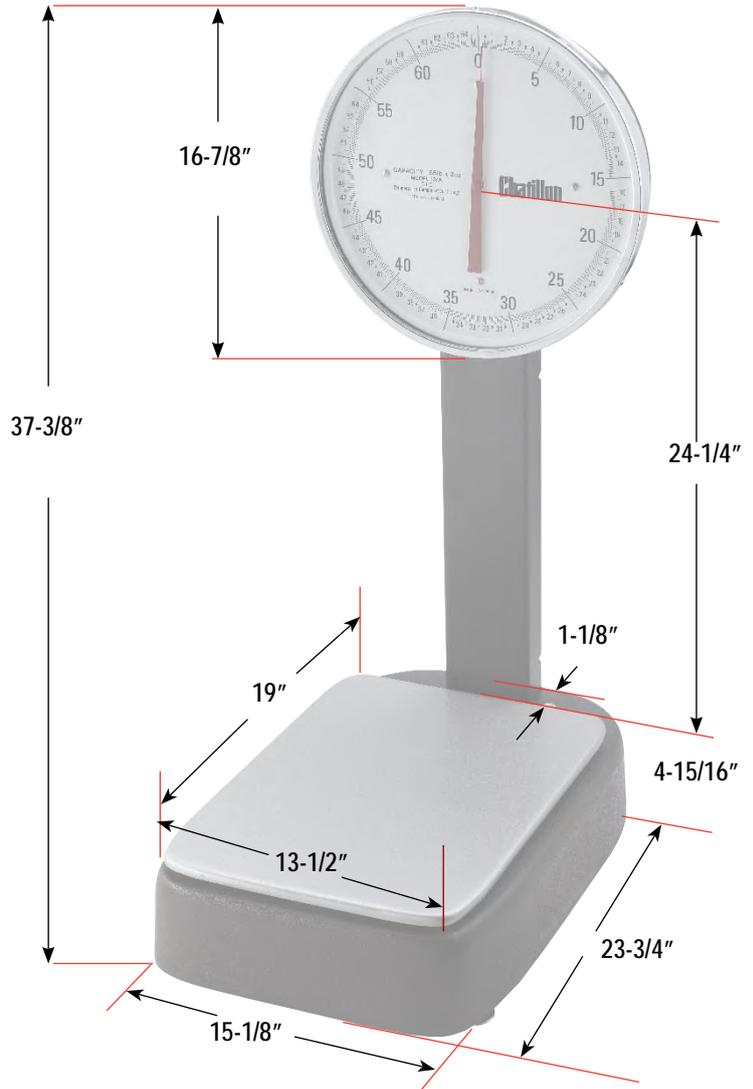
| Part No. | Description                                  |
|----------|--|
| 16012    | Stainless Steel Platform Cover               |
| 23019    | Stainless Steel Provision Pan                |
| 16005-A  | Damping Oil (65 lb, 130 lb, 25 kg, 50 kg)    |
| 16005-B  | Damping Oil (260 lb, 520 lb, 100 kg, 200 kg) |

### Notes:

The provision pan weighs approximately 10 lbs. Scales with capacities less than 100 lbs must be back-started.

The Quick Tare Knob cannot be used on Legal for Trade applications.

## Dimensions



Optional Provision Pan (23019)

# AMETEK

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