

Model BB Light Capacity Scale

NOVA WEIGH

Wide range of applications

The BB scale with capacity from 3 - 150 kg is a light capacity scale and is suitable for a wide range of applications. The stainless steel versions are particularly suitable for the food and chemical industries

Instrumentation

The BB is compatible with the entire range of Nova Weigh weighing instruments including intrinsically safe weight indicators for hazardous area applications and instruments for 'legal-for-trade' weighing.

- **Wide choice of sizes and capacities from 3 - 150 kg**
- **Mild steel or stainless steel construction**
- **Positive overload protection at each corner preventing load cell damage**
- **Removeable top cover for cleaning**
- **Hygienic design without crevices**
- **ATEX certified versions for gas and dust Ex areas** 
- **EC 'Legal for Trade' even in hazardous areas (with suitable weight indicator)**
- **Compatible with full range of Nova Weigh weight indicators and batch controllers**



Top removed for easy cleaning

Construction

The BB is built from robust steel closed sections with continuous welds. A single constant-moment load cell is used and the design employs no levers or flexures for maximum reliability.

Overload stops at each corner protect the cell from severe off-centre loads. A removable top cover protects the scale from spillages etc.

Hazardous area use

When the BB is to be used in areas where there may be a risk of an explosive atmosphere being present, either due to dust or vapour, then an intrinsically safe ATEX certified load cell is available.

High accuracy

The BB design is suitable for legal-for-trade weighing with a 3,000 div approval. For non-trade applications higher resolutions can be specified all with excellent linearity and stability.



Model BB light capacity scale - mild steel version

TECHNICAL SPECIFICATION

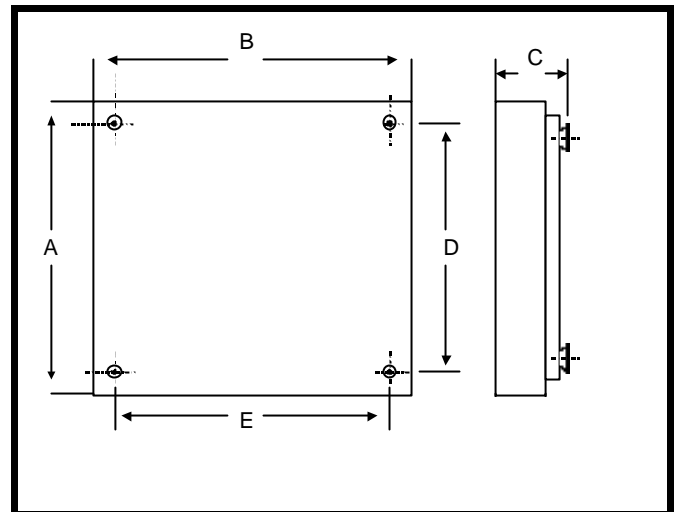
| | |
|---|--|
| Material of manufacture | Mild steel Stainless steel 304L as standard 316L as option |
| Finish (standard) | Mild steel - painted blue RAL 5014 Stainless steel - bead blast |
| Feet | Four off stainless steel shafts with articulated plastic feet |
| Load cells | Mild steel models One off aluminium cell, IP66/67 with optional 500 V test certificate Stainless steel models up to 400 mm sq One off stainless steel cell, IP67/68 with optional 500 V test certificate |
| Optional European Trade Approvals | <ul style="list-style-type: none"> 3,000 d EC approval (must be used with approved instrument from Nova Weigh range) |
| Optional ATEX certification for dust and gas hazards | Zones 1,2, 21 & 22 |
| Signal Cable | Standard 2.5 metre lead supplied for connection to digital weight indicator |
| Instrumentation | Compatible with the entire range of Nova Weigh weight indicators and batch controllers |



Dimensions and Capacities

| Model | BB33 | BB44 | BB55 | BB66 |
|--------------------------|-----------|-----------|-----------|-----------|
| Nominal size (mm) | 300 x 300 | 400 x 400 | 500 x 500 | 600 x 600 |
| Capacity (kg) | 3 | 3 | - | - |
| | 6 | 6 | - | - |
| | 15 | 15 | 15 | 15 |
| | 30 | 30 | 30 | 30 |
| | 60 | 60 | 60 | 60 |
| | - | - | 150 | 150 |

DIMENSIONS (mm)



Model BB light capacity scale

| Dim | BB33 | BB44 | BB55 | BB66 |
|----------|------|------|------|------|
| A | 300 | 400 | 500 | 600 |
| B | 300 | 400 | 500 | 600 |
| C | 100 | 100 | 140 | 140 |
| D | 250 | 350 | 450 | 550 |
| E | 234 | 334 | 434 | 534 |



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BS EN ISO 9001:2000 Cert No: FM 11445