



INDUSTRIAL SOLUTIONS  
**WEIGHBRIDGES**

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# BP-CR500

METALLIC OVERFLOOR WEIGHBRIDGE SCALE  
DESIGNED FOR INTENSIVE VEHICLE USE.

- Civil works
- Adjustable corner stops
- Cable ducts for load cell cables
- Load cell wiring with anti-rodent wire mesh
- Installation of 6 load cells
- Access speed control
- Traffic light, intercom and camera
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**Model**  
**BP-CR500**

CERTIFIED BY EPELSA



**grupoepelsa.com**



Weighbridge

# BP-CR500



## WEIGHBRIDGE BP-CR500

Our BP-CR500 metal weighbridge scale is the ideal solution for intensive weighing of heavy vehicles.

With a smart design and advanced features, it ensures quick and easy installation. The 4 beams and central modules that make up the scale are bolted together at the destination to enable standard transport.

Complies with metrological regulations and supports access speeds.

The scale includes adjustable stops, anchor plates, cable ducts and connections in the junction box.

For greater safety, an earth connection is recommended in accordance with the Low Voltage Regulation ITC-CT-18.

Ideal for high-traffic areas.

## Features

<b>Type</b>	Weighbridge
<b>Installation</b>	Surfloor
<b>Runner height</b>	Model BP-CR500: 326mm Model BP-CRA500: 426mm
<b>Structure</b>	IPE 500 longitudinal profiles IPE 180 / IPE 140 transverse modules and 10mm thick plate
<b>Plate thickness</b>	10mm
<b>Steel type</b>	S275JR
<b>Paint type</b>	Finished RAL9505
<b>Screw type</b>	Minimum quality 8.8
<b>Dimensions</b>	Útiles: 12x3m, 14x3m, 16x3m, 18x3m, (Ver tabla)
<b>Capacities</b>	45t/20kg 60t/20kg
<b>Load cells</b>	Model CPC 20t. Rodent-proof wire mesh
<b>Connection box</b>	Aluminium enclosure 6 inputs-1 output IP67

## General

The BP-CR500 weighbridge scale offers a robust and versatile solution for weighing in high vehicle traffic environments. It consists of 4 IPE 500 side beams and central modules to be bolted together at the destination to allow standard transport. The scale strictly complies with metrological regulations, limiting the access speed.

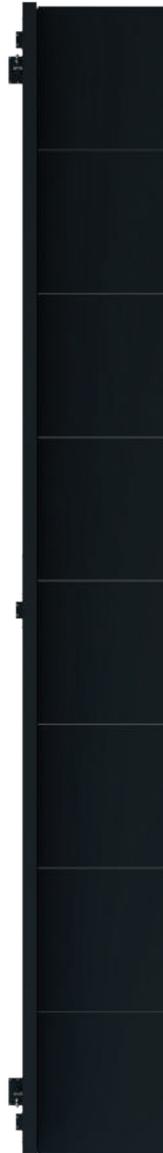
Additional features include adjustable stops at all four corners, anchor plates to support the load cells and their attachment to the civil works. The structure also has cable ducts for the load cell cables, and the connections are made in the junction box located on the side of the beam. In order to comply with regulations, an earth connection is required in accordance with the Low Voltage ITC-CT-18 regulations.

The load cells use a double pivot system to ensure accurate application of vertical loads, avoiding lateral loads and moments that can cause errors. The enclosure is characterised by its lightning protection and watertightness with IP 67 protection.

In terms of specifications, the weighbridge includes 6 certified CPC cells, with its cable protected by an anti-rodent wire mesh and an accuracy of class III (1/3000). It complies with OIML and H44 metrology standards, ensuring accurate and reliable measurements.

### POSSIBLE APPLICATIONS

Truck weighing scales, also called weighbridges, are crucial for monitoring compliance with legal weight limits of heavy vehicles on roads. They are also used in agriculture, mining and construction to accurately measure the weight of loads and materials. In addition, they are essential in warehouses, recycling centres and loading docks to ensure regulatory compliance.



## Data

### Options

- » Scales with cells approved according to the European ATEX directive.
- » Additional cable for additional indicator box.

### Certifications

Certified according to the European Standard No. 11160 in conjunction with the scopes mentioned in this standard.  
Orion, Orion Plus, Cyber Plus indicators.

### Finishing / Painting

- » Cleaning and degreasing of surfaces by manual brushing in accordance with NBE-EA-95.
- » Finishing by means of 2-component, corrosion-resistant, fast-drying and mechanically highly resistant 2-component polyurethane paint for steel and galvanised steel, black RAL 9905 with slightly glossy finish.
- » Suitable for corrosion classes C1, C2 and C3 according to EN ISO 12944-2 as a single coat system with a minimum dry film thickness of 80 µm.
- » Other finishes on request.

### Load cell

Model CPC in its standard installation.

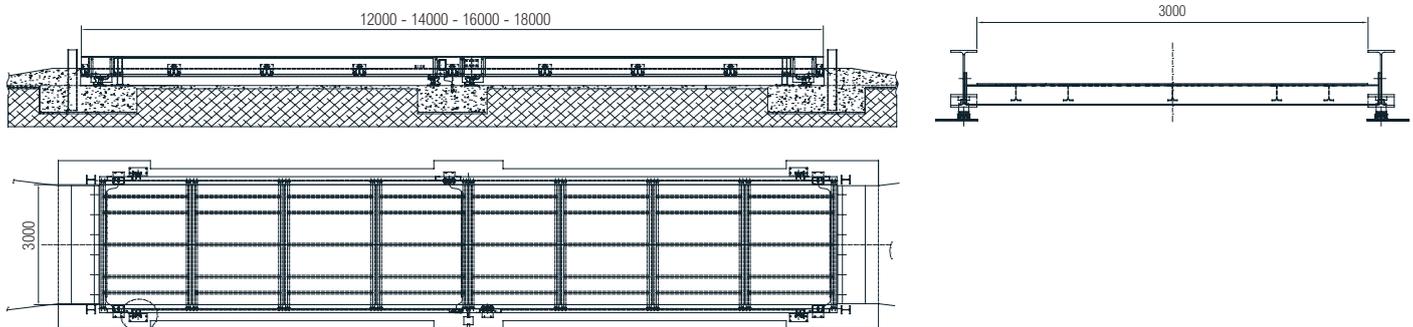
#### CPC FEATURES

- » Load cell, with encapsulated strain gauges.
- » Laser-welded watertightness guaranteed IP67.
- » Capacity: 10t, 20t, 30t, 40t, 50t.
- » The metal body of the cell is made of special steel with stainless steel protection with AISI 304 stainless steel casing.
- » Effective internal protection against lightning induced currents.
- » Designed to avoid the use of screws during assembly, ensuring speed and avoiding fixing errors.
- » Cable length 15 m. Diameter 5 mm.



- » Net weight: 5700 g.
- » The cable is protected with rodent-proof wire mesh.

## Dimensions



## Loading conditions

### LIMITATIONS ON MOVEMENT ON SCALES

Weighbridge scale designed for intensive use by vehicles with axle configurations approved and legal for free circulation on the road, expressly excluding forklifts, dumpers and other vehicles. For uses other than those listed above, please consult our distributors.



## Capacities References

Description	Dimensions	Plate thickness	Height rolling	Nº Modules	Nº Load cells	Capacity setting t	Div. kg	Approved scopes range	References
Báscula puente BP-CR500 - 12x3 60t	12 x 3 m	10 mm	32.5 cm	6	6	45t/20kg - 60t/20kg	20	Orion, Orion Plus, ENI, Cyber Plus	0169810000
Báscula puente BP-CR500 - 14x3 60t	14 x 3 m	10 mm	32.5 cm	7	6	45t/20kg - 60t/20kg	20	Orion, Orion Plus, ENI, Cyber Plus	0169811000
Báscula puente BP-CR500 - 16x3 60t	16 x 3 m	10 mm	32.5 cm	8	6	45t/20kg - 60t/20kg	20	Orion, Orion Plus, ENI, Cyber Plus	0169812000
Báscula puente BP-CR500 - 18x3 60t	18 x 3 m	10 mm	32.5 cm	9	6	45t/20kg - 60t/20kg	20	Orion, Orion Plus, ENI, Cyber Plus	0169813000
Báscula puente BP-CR500 - 18x3 80t	18 x 3 m	10 mm	32.5 cm	9	6	45t/20kg - 60t/20kg	50	Orion, Orion Plus, ENI, Cyber Plus	0169814000
Báscula puente BP-CRA500 - 12x3 60t	12 x 3 m	10 mm	42.5 cm	6	6	45t/20kg - 60t/20kg	20	Orion, Orion Plus, ENI, Cyber Plus	0169815000
Báscula puente BP-CRA500 - 14x3 60t	14 x 3 m	10 mm	42.5 cm	7	6	45t/20kg - 60t/20kg	20	Orion, Orion Plus, ENI, Cyber Plus	0169816000
Báscula puente BP-CRA500 - 16x3 60t	16 x 3 m	10 mm	42.5 cm	8	6	45t/20kg - 60t/20kg	20	Orion, Orion Plus, ENI, Cyber Plus	0169817000
Báscula puente BP-CRA500 - 18x3 60t	18 x 3 m	10 mm	42.5 cm	9	6	45t/20kg - 60t/20kg	20	Orion, Orion plus, ENI, Cyber plus	0169818000
Báscula puente BP-CRA500 - 18x3 60t	18 x 3 m	10 mm	42.5 cm	9	6	45t/20kg - 60t/20kg	50	Orion, Orion plus, ENI, Cyber plus	0169819000