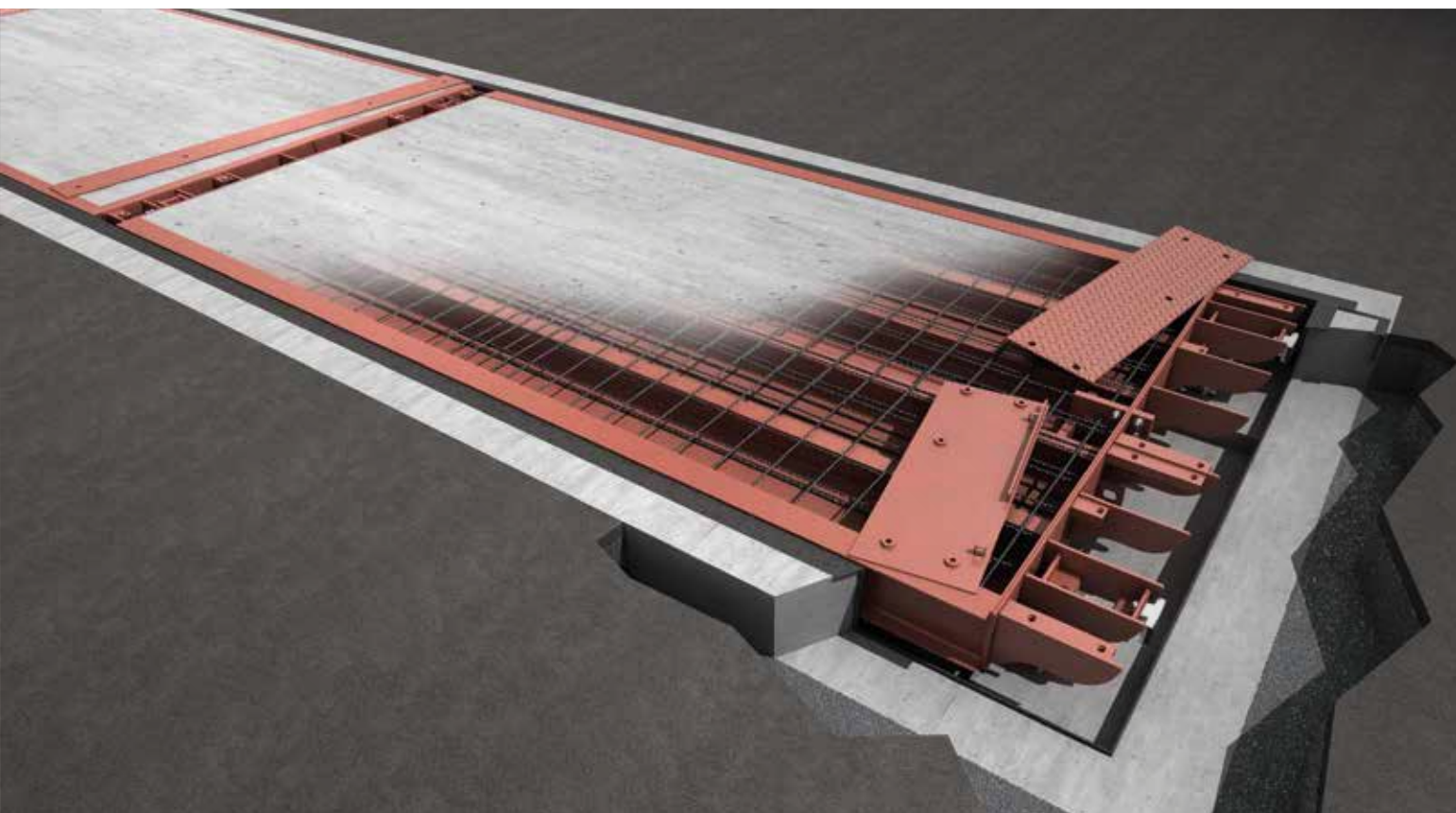




SBP/CO

CAST-IN-PLACE
CONCRETE-IRON
WEIGHBRIDGE

SBP/CO

CAST-IN-PLACE CONCRETE-IRON WEIGHBRIDGE



Suitable
for ATEX
certification



Declaration of
Conformity
(Directive
2014/31/EU)



IP68/69K
stainless steel
load cells



VERSATILE AND HIGH-QUALITY, IDEAL FOR CORROSIVE ENVIRONMENTS

Built in an **iron-cement** version, the **SBP/CO** weighbridge is the **optimal solution for weighing road vehicles and construction equipment up to a maximum of 80 tonnes.**

In addition to facilitating transport, handling and assembly, the isostatic structure with **independent modules also ensures proper functionality over time**, even in the presence of natural foundation settlements.

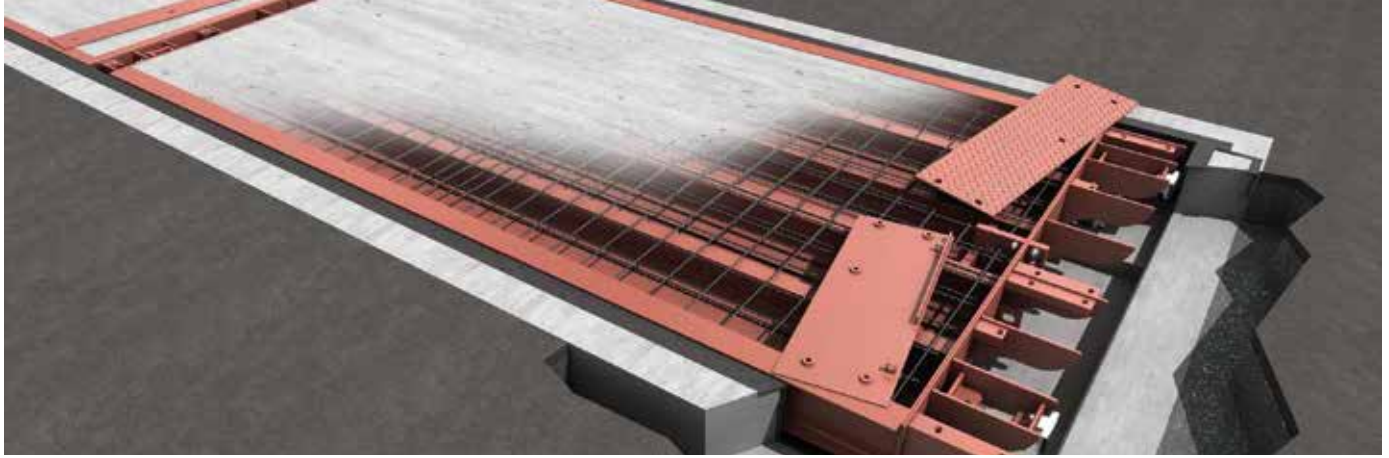
The compactness of the profile allows the classic pit-mounted version to be installed in a foundation only 50 cm high, or the surface-mounted version to be installed with the ramps being only 40 cm high. The measuring chain consists of a series of **stainless steel analogue compression load cells**. The electronic indicator, together with the peripheral accessories, completes the weighing system, managing the weight display and any additional functions.

The choice of materials, applied treatments, design features, range of customisations and available accessories make the **SBP/CO weighbridge one of the most versatile and high-quality products on the market.**

CONCRETE CASTING IS CARRIED OUT DIRECTLY INSIDE THE PRE-ASSEMBLED STRUCTURE WITHIN THE PIT

STRENGTHS

- EASE AND CONVENIENCE OF TRANSPORT
- HIGH RESISTANCE TO ATMOSPHERIC AGENTS
- VERSATILE INSTALLATION
- MULTIRANGE FUNCTIONALITY TO ENSURE THE MOST ADVANTAGEOUS MINIMUM DIVISION IN RELATION TO THE CAPACITY



RECOMMENDED APPLICATIONS

- Raised or pit-mounted installations or general uses

SPECIFIC ACCESSORIES

- **MULTIRANGE version** (digital version only)
- **ATEX version** (for explosion-risk environments)
- **Electronic indicators and printers**
- **Compacted ramp frame**
- **Customised colour structure**
- **Peripheral electronic accessories**
- **Anti-rodent cable kit** (for digital load cells)
- **Dilink for wireless connections**

CEMENT CHARACTERISTICS

CAST-IN-PLACE WEIGHBRIDGE (R'bk > 35N/mm²)

- Portland cement 325 dosed at 4.5 quintals per cubic metre of poured concrete
- Water/cement ratio of 0.5
- Continuous grain size with inert material of maximum diameter 35 mm
- "STABIL MAC" type expanding additive dosed at 20 kg per cubic metre of casting
- MVR type antifreeze aerating additive dosed at 60 cc per quintal of cement
- Addition of synthetic fibres such as "FIBER MESH" to the mix at a rate of 1 kg per cubic metre
- Spheroidal quartz casting surface dusting, maximum diameter 1 mm, dosed at 3 kg per square metre of deck area
- The surface of the casting must be slightly convex (about 1 cm) at the halfway line in order to facilitate water drain to the sides

5-YEAR WARRANTY

HIGH RESALE VALUE

- **SBP/CO WITH DIGITAL CELLS:**
 - > **REAL-TIME SELF-DIAGNOSTICS FOR INDIVIDUAL SYSTEM COMPONENTS**
 - > **MULTIRANGE FUNCTIONALITY TO ENSURE THE MOST ADVANTAGEOUS MINIMUM DIVISION IN RELATION TO THE CAPACITY**

SHOCK-ABSORBING RUBBER PADS

The head pads are made of a **special shockproof material**, which prevents deterioration of the flooring.

PREVENTION OF DEBRIS ACCUMULATION

Load cells positioned **35 cm** from the wall, combined with special protection devices, **to prevent dirt and debris accumulations** from interfering with weighing operations.

EASY TO MAINTAIN

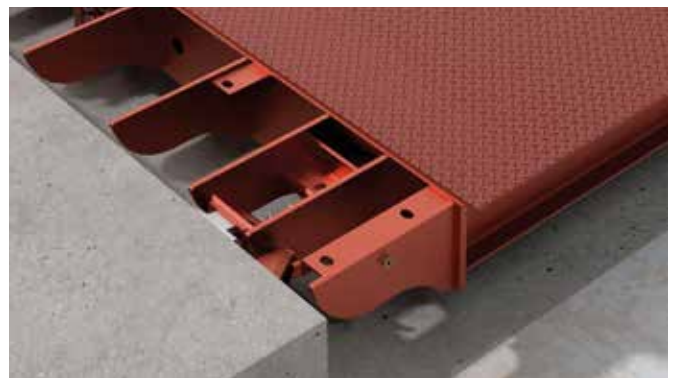
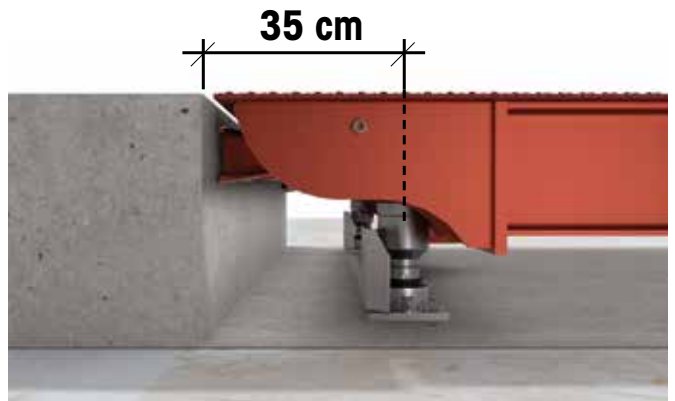
Large panels accessible from the top **facilitate cleaning and maintenance**, allowing convenient access from above.

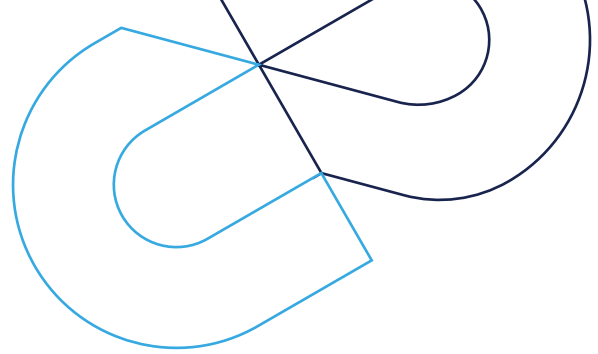
GREATER DURABILITY

The **innovative independent bridge design** allows for **even weight distribution** on the scale, **preventing damage** caused by unusual weight concentrations.

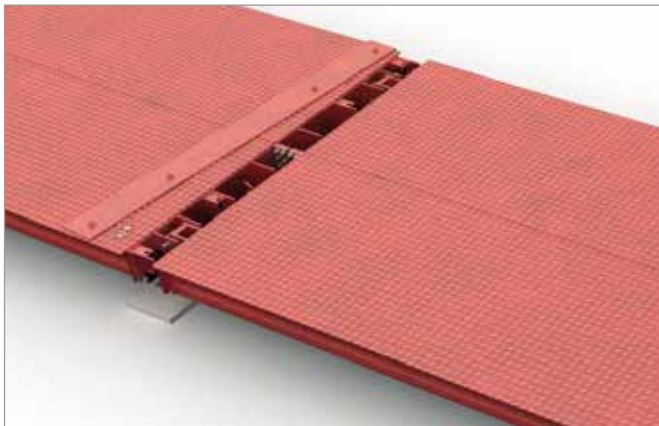
CELLS WITH SPHERICAL PROTECTION CAP

Thanks to their recessed spherical shape, **Bilanciai load cells prevent contamination** such as dirt and dust from interfering with weighing operations, **helping to ensure reliable results over time**.





**QUICK AND EASY ACCESS TO
LOAD CELLS THANKS TO THE
INSPECTION HATCHES**



**WEIGHBRIDGES WITH AN
ISOSTATIC STRUCTURE
CONSISTING OF
INDEPENDENT MODULES**

**LOAD CELLS
DESIGNED AND BUILT BY
COOP BILANCIAI**





Together with the **sway limiters**, equipped with **pads** made from special **shock-absorbing material**, the **double header board** is essential for preventing flooring deterioration in areas in contact with the deck during vehicle braking.



The **load cell supports with oscillating stainless-steel action** eliminate any source of damage caused by transverse forces. The galvanised load cell protection devices are essential for keeping the housing area free from mud, debris, and other contaminants.

Combined with the concrete casting, the specially sized metal load bearing structure with longitudinal beams maintains the weighing system's strength and precision characteristics over time.

The sandblasting treatment and the subsequent "red oxide" anti-corrosion painting of all the bridge's metal parts guarantee an excellent protection against oxidation.

CHARACTERISTICS AND STANDARD DIMENSIONS

Models available	Platform length (m)	Platform width (m)	Number of cells	Cubic metres of cement	DIGITAL version			
					Basic		Multirange	
					Capacity (t)	Division (kg)	Capacity (t)	Division (kg)
SBP-CO 93	9.56	3	6	6.5	40	10	0-20	5
							20-40	10
SBP-CO 143	14.00	3	8	9.7	60	20	0-40	10
							40-60	20
SBP-CO 183	18.00	3	8	12.6	60	20	0-40	10
							40-60	20
SBP-CO 183	18.00	3	8	12.6	80	20	0-40	10
							40-80	20
SBP-CO 203	19.78	3	10	13.9	60	20	0-40	10
							40-60	20
SBP-CO 203	19.78	3	10	13.9	80	20	0-40	10
							40-80	20
SBP-CO 213	21.11	3	10	14.9	60	20	0-40	10
							40-60	20
SBP-CO 213	21.11	3	10	14.9	80	20	0-40	10
							40-80	20

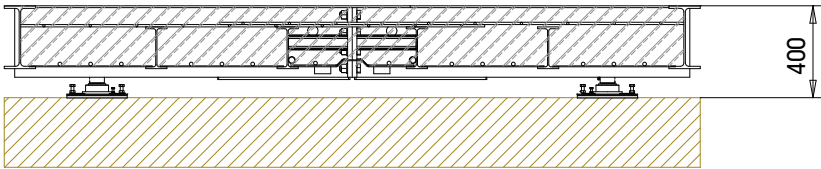
IMPORTANT: SPECIAL CAPACITIES AND DIMENSIONS UPON REQUEST.

SUPPLY

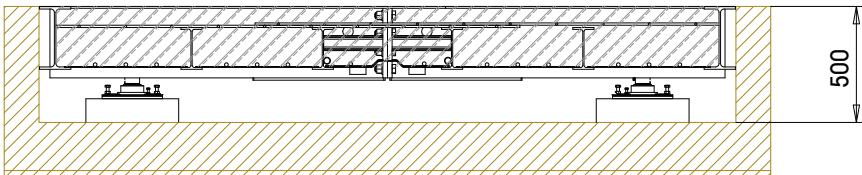
- The supply includes all the reinforcements necessary for completing the casting
- 1.5 m-wide semi-panels complete with bottom closing plate
- Electro-welded mesh

CONCRETE CASTING IS NOT INCLUDED IN THE SUPPLY

ANALOGUE version	
Capacity (t)	Division (kg)
40	10
60	20
80	20



Raised version



Pit mounted version



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