



SBP/M-3 I

METAL WEIGHBRIDGE
HEIGHT 31 cm

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Suitable for ATEX certification



Declaration of Conformity



Load cells made of stainless steel IP68/69K



MODULAR, EASY TO TRANSPORT, HANDLE AND MOUNT.

The **SBP/M-31** modular weighbridge made by Coop Bilanciali in a raised version is ideal for **weighing** motor vehicles **of up to 80 metric tons**.

The isostatic structure with **independent modules**, besides facilitating **transport, handling and mounting**, assures proper operation over time also with the **natural settling of the foundations**.

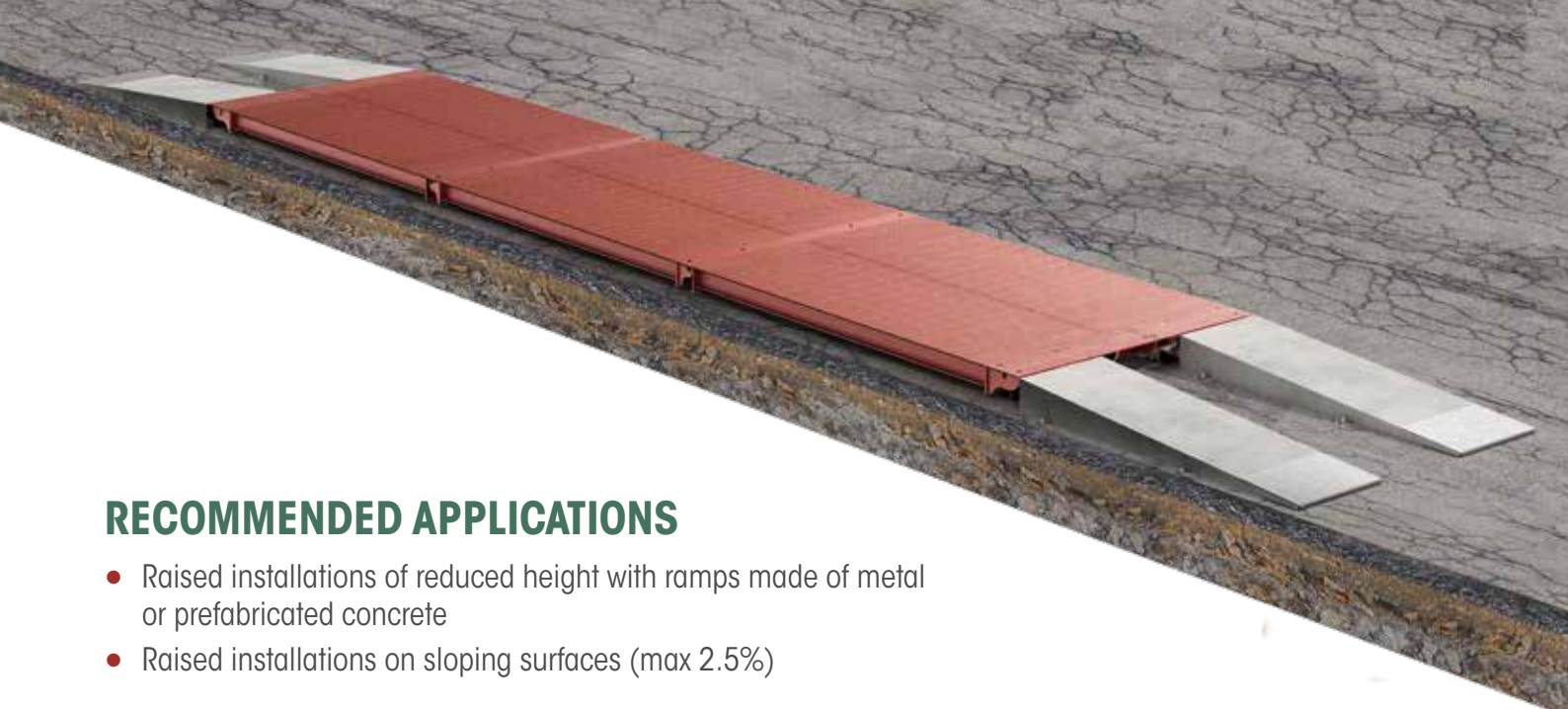
ONLY 31 cm IN HEIGHT: its extremely limited overall height allows it to be used in installations with a low height (under silos, loading bases, etc.).

The measuring chain is composed of multiple compression load cells made of stainless steel in a digital version. The weight display and any accessory functions are managed via the electronic terminal that with the peripheral accessories completes the weighing system.

GUARANTEED OPERATION OVER TIME.

STRENGTHS

- MODULAR METAL STRUCTURE
- VERY LOW OVERALL HEIGHT
- HIGH WEATHERABILITY
- EASY TO MOVE THE WEIGHBRIDGE
- THE LENGTH OF THE WEIGHBRIDGE CAN BE LATER MODIFIED



RECOMMENDED APPLICATIONS

- Raised installations of reduced height with ramps made of metal or prefabricated concrete
- Raised installations on sloping surfaces (max 2.5%)

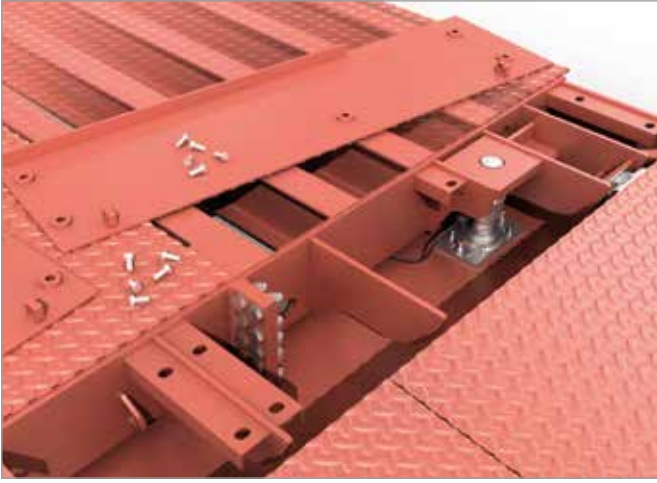
SPECIFIC ACCESSORIES

- ATEX version
- Hot galvanised metal structure (450°C)
- Metal structure with a custom colour
- Guardrail for installation aboard the weighbridge
- Guardrail for installation on the ground
- Metal frame (for installation with no building work)
- Adjustable supports that together with the metal frame permit installation on a surface with a max 2.5% gradient
- Pair of metal ramps with a width of 3 m for driving on and off
- Pair of prefabricated concrete ramps with a dual lane (width 1 m) with parts made of hot galvanised iron
- Electronic terminals and printers
- Peripheral electronic accessories
- Anti-rodent cable kit (for digital load cells)
- Dilink for wireless connections

5 YEAR WARRANTY.

HIGH USED VALUE.

- **STRAIGHTFORWARD AND IMMEDIATE MAINTENANCE OF THE METAL STRUCTURE**
- **SBP/M-31 WITH DIGITAL LOAD CELLS:**
 - > **FAULT DIAGNOSIS IN REAL TIME OF THE SINGLE COMPONENTS OF THE SYSTEM**
 - > **MULTIRANGE TO OBTAIN THE MOST ADVANTAGEOUS MINIMUM DIVISION IN RELATION TO THE CAPACITY**



Metal load-bearing structure with longitudinal beams, specifically sized to keep the **strength and precision of the weighing system unchanged over time.**



The sandblasting treatment and subsequent "red oxide" painting with a **high anti-corrosive capacity** on all the metal parts of the weighbridge ensure very high protection against oxidation.

STRUCTURE WITH INDEPENDENT MODULES.



Load cell supports with an oscillating action made of stainless steel to eliminate any source of damage due to transverse forces.

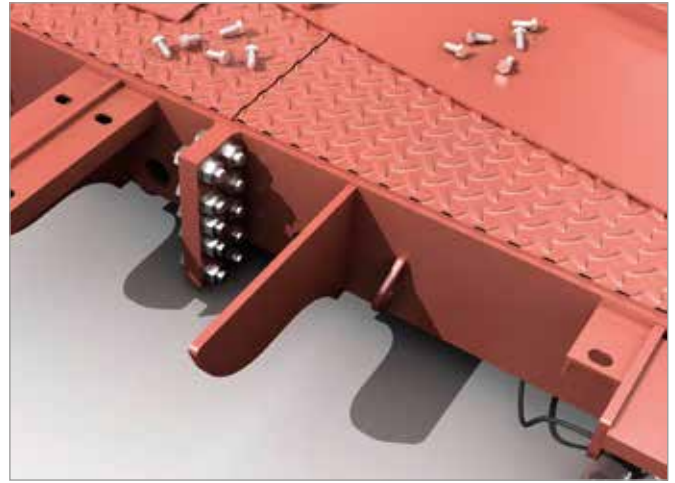
Galvanised protective casings for the load cell that are essential to keep the housing area free of mud, debris, etc.

Electric device to protect the load cell, in order to isolate the load cell electrically, protecting it from voltage surges and considerably lowering the risks of damage due to lightning.

Junction box for connecting the load cells with an electric circuit for surge protection (e.g. lightning).
Stainless steel IP68 container.



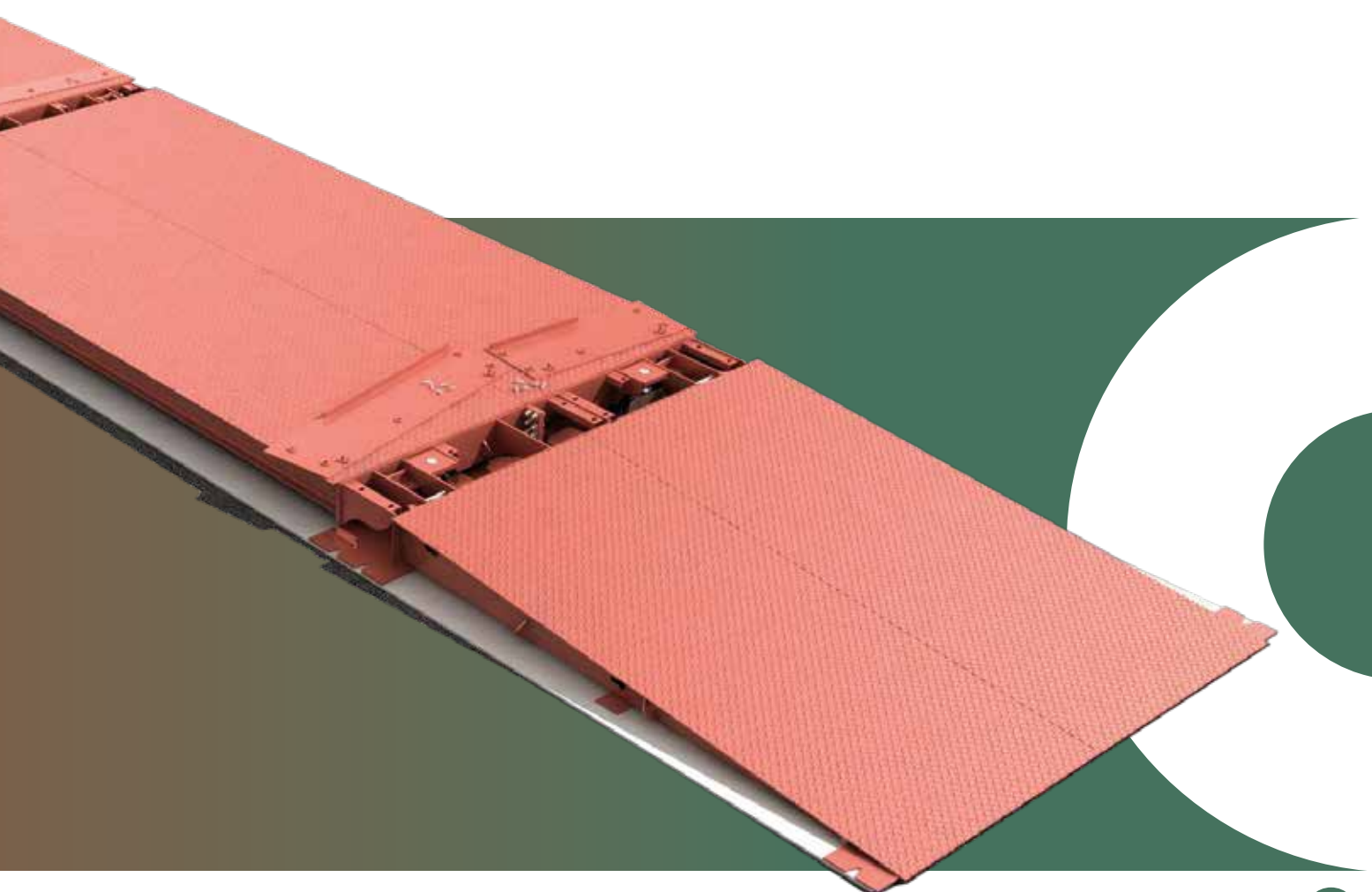
Double head edge, together with the swing limiters, made with buffers of a special **shockproof material**, are extremely important in order to get round the deterioration of the flooring in the areas of contact with the weighbridge when the vehicle is braking (when there are concrete ramps).

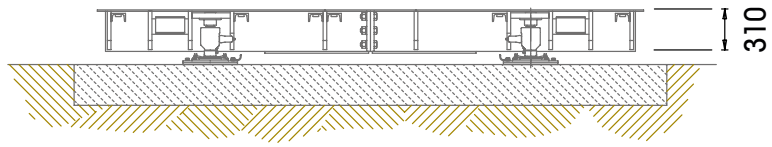


Loading plate made of striated sheet steel, with a "non-slip" function, especially important in the case of a wet or dirty surface or when there are ramps. The special striation moreover prevents water stagnating on the surface.

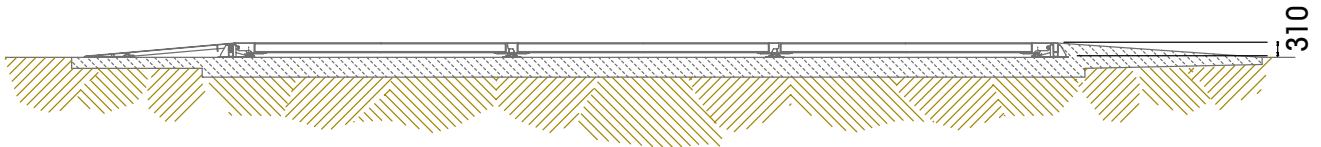
Cross hatches provide easy access to the load cells.

The hatch fasteners are made of stainless steel which prevents their oxidation while ensuring they are easy to remove.





Raised



Raised

STANDARD DIMENSIONS AND FEATURES

Models available	Platform length (m)	Platform width (m)	Number of load cells	DIGITAL version			
				Base		Multirange	
				Capacity (t)	Division (kg)	Capacity (t)	Division (kg)
SBP/M-31-SB 93	9.56	3	6	50	10		
SBP/M-31-SB 123	12.22	3	6	50	10		
SBP/M-31-SB 143	14.00	3	8	80	20	0-40	10
						40-80	20
SBP/M-31-SB 183	18.00	3	8	60	20	0-40	10
						40-60	20
SBP/M-31-SB 183	18.00	3	8	80	20	0-40	10
						40-80	20



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