

SBP/CO



Modular concrete in fill weighbridge



The SBP/CO weighbridge is an ideal solution for weighing motor vehicles and work trucks up to a maximum of 80 tons.

The design allows for easy of transport, handling and assembly, the isostatic type of structure with separate modules guarantees smooth operation over time, even if the foundations settle naturally.

The compactness of the profile allows the deck to be pit mounted and can be installed in a foundation of only 50 cm high, or a surface mounted version to be installed with the ramps being only 40 cm high.

The measuring system consists of a number of stainless steel compression load cells analogue version.

The electronic terminal that completes the weighing system with peripheral accessories, manages the display of the weight and any supplementary functions.

Types of materials, treatments used, design features and range of accessories and customisations: these characteristics allow the SBP/CO weighbridge to be one of the most versatile and high quality products available on the market.

PRODUCT **ADVANTAGES**

- Easily transported
- High resistance to the chemicals and oils
- High resistance to oxidation
- Installation versatility
- Multirange for the most advantageous minimum division in relation to the capacity
- The concrete is cast directly in the weighing platform without the need for additional shuttering

SUPPLY

- The supply includes all the reinforcement required for the concrete cast
- 1.5 m wide semi panels complete with a lower closing plate
- Electrowelded mesh

THE CASTING OF THE CONCRETE IS EXCLUDED FROM THE SUPPLY

RECOMMENDED **APPLICATIONS**

- Surface mounted installation
- Pit mounted installation for environments with high operating frequency and cleaning operations not required

SPECIFIC **ACCESSORIES**

- MULTI-RANGE Version
- ATEX Version (for environments at risk of explosion)
- Electronic terminals and printers
- Frame for ramps made of compacted material
- Customised structure colour
- Peripheral electronic accessories



CONCRETE CHARACTERISTICS

CASTING THE CONCRETE WHEN SETTING UP THE WEIGHBRIDGE ($R_{bk} > 35\text{N/mm}^2$)

- Portland 325-type of cement, measured at 4.5 quintals/cubic metre of concrete,
- water/cement ratio equal to 0.5
- continuous particle size with aggregate max diameter 35 mm
- STABIL MAC-type of expansive additive measured at 20 kg/cubic metre of concrete
- MVR-type of anti-freeze air entrainer, measured at

60 cc/quintal of concrete

- addition of synthetic fibres, such as FIBER MESH, to the mixture at the rate of 1 kg/cubic metre
- dusting the surface of the cast concrete with spheroidal quartz max diameter 1 mm, measured at 3 kg/sq m of weighbridge surface
- the surface of the cast concrete must have slight convexity in mid-air (about 1 cm) in order to facilitate water drainage



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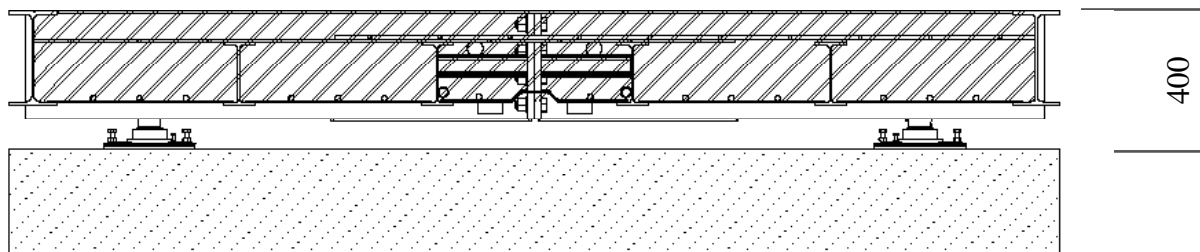
STANDARD DIMENSIONS AND FEATURES

Models available	Platform length (m)	Platform width (m)	Number of loading cells	Maximum capacity (t)	Divisions (kg)	Cubic metres of Cement
SBP/CO 93 4	9,56	3	6	40	10	6,5
SBP/CO 143 6	14,00	3	8	60	20	9,7
SBP/CO 183 6	18,00	3	8	60	20	12,6
SBP/CO 183 8	18,00	3	8	80	20	12,6

(**) MULTIRANGE (OPTIONAL) - (ANALOGUE VERSION)

Capacity (t)	Capacity (t)	Divisions (kg)	Capacity (t)	Divisions (kg)	Capacity (t)	Divisions (kg)
40	0 to 15	5	15 to 30	10	30 to 40	20
60	0 to 30	10	30 to 60	20		
80	0 to 30	10	30 to 60	20	60 to 80	20

SURFACE MOUNTED



PIT MOUNTED

