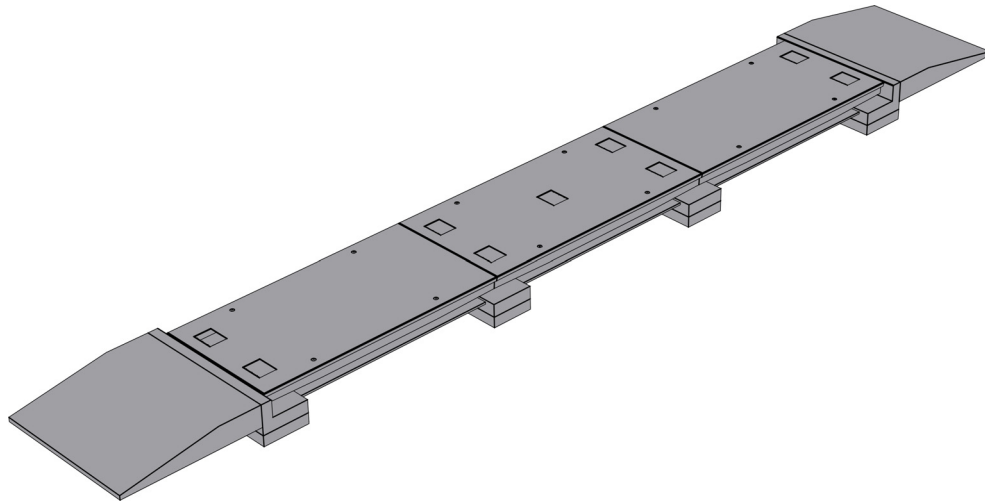


VS 700 C Concrete weighbridge



General description

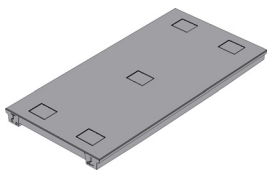
The VS 700 C is a concrete weighbridge that has been designed to meet the requirements for vehicle weighing applications. Its metal framework is totally covered with concrete (cast in factory) in compliance with the EUROCODE 2 standards.

Its modular design offers numerous assets:

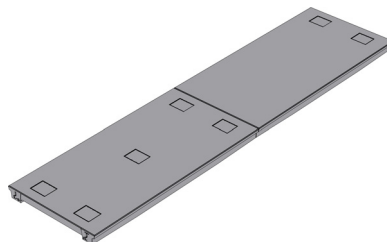
- ▼ Conditions of installation: in a pit or low height above ground (400 mm) with very simplified preliminary civil works.
- ▼ Installation details:
 - one single delivery truck for all elements,
 - 24 hours, including the initial verification,
 - no sealing, no pit frame.
- ▼ Operation conditions:
 - traffic in any direction thanks to a modern design and 2-axle stops,
 - access hatches for operating elements (load cells, stops, junction box) in galvanised steel,
 - easy to displace and install again.
- ▼ Life span: resistance to corrosion, impacts, overloads and vibrations.

The VS 700 C is a weighbridge equipped with analogue or digital compression load cells that enable using the advantages of the digital chain at best (simplified adjustment, interchangeability, reliability).

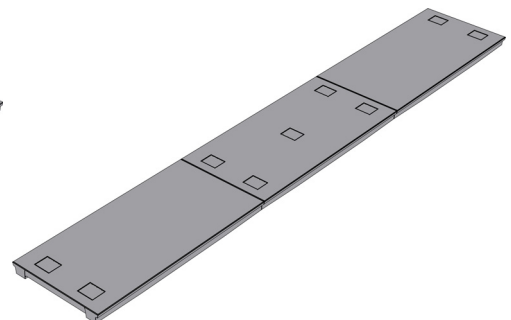
Examples of installation



VS 700 C - 6 m
One 6-m module



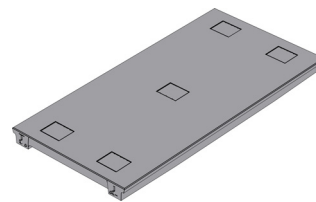
VS 700 C - 12 m
Two 6-m modules



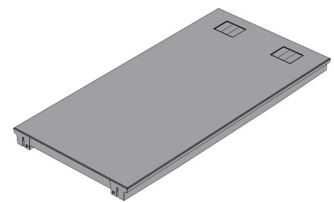
VS 700 C - 18 m
Three 6-m modules

Design

The VS 700 C is made up of a central element with four bearing points (6-m module) and one or two lateral (6-m) modules with two bearing points coupled with each end of the central module to obtain the desired length (6 m, 12 m or 18 m).



6-m central module



6-m lateral module

Each bearing point is equipped with a load cell and its related environment and a mechanical stop for protection against lateral or longitudinal impacts.

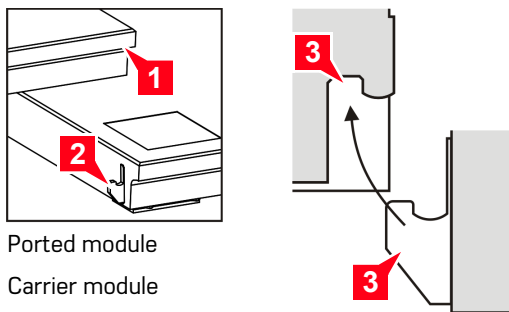
Moreover, each standard load cell is individually protected from rodents.

European conformity

- ▼ Compliant with the definition of a classic load receptor according to WELMEC 2.4 guide.

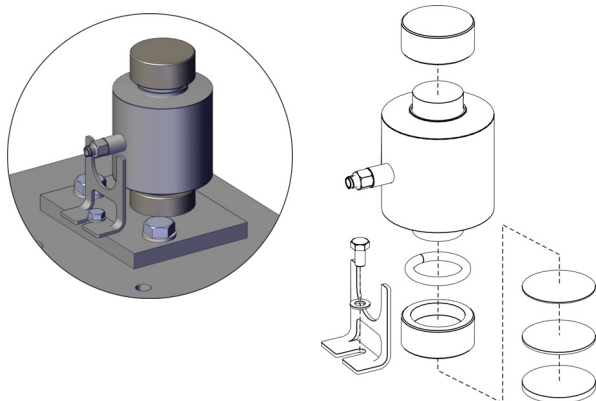
General principles

Intermodule connections



1. Ported module
2. Carrier module
3. Module hooking device

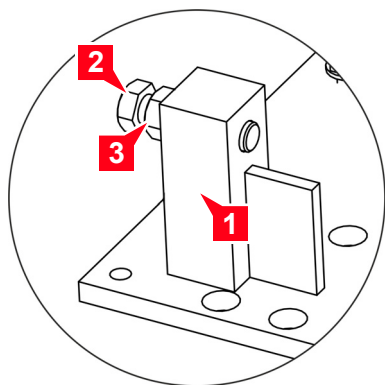
Installation of load cells



Details about slabs

Side and longitudinal bumpers

1. Body of bumper
2. Bumper screw
3. Locknut



Options

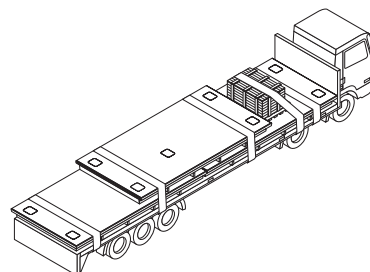
- ▼ T-shaped sealing (To put on slab edge. Prevent debris from piling up under the bridge. Length: 3 or 10 m.)

Installation

The required civil works and materials are not supplied by PRECIA MOLEN. We supply nevertheless a set of civil engineering guidelines and diagrams.

Delivery and packaging

The whole weighbridge is delivered on one single truck. The other elements from slabs are delivered in a wooden box (of approx. 200 kg).



Available models

Length of bridge	Central modules	Side modules	Number of load cells
	6 m	6 m	
6 m	1	-	4
12 m	1	1	6
18 m	1	2	8

Technical features

Module	Length	Width	Min./max. thickness	Average weight
Central - 6 m	6 m	3 m	320/360 mm	8.3 t
Side - 6 m	6 m	3 m	320/360 mm	8.3 t

Capacity / Axle load

Depending on the used formwork, the full capacity of the weighbridge varies between 30 t and 80 t with a maximum axle load of 13 t to 18 t.

Length of bridge	Standard formwork	Large formwork
6 m	30 t / 13 t	50 t / 18 t
12 m	40 t / 13 t	60 t / 18 t
18 m	50 t / 13 t	80 t / 18 t

Your specialist

Non-contractual illustrations. Precia-Molen reserves the right to modify at any moment, the characteristics of the equipment described in this brochure.

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