

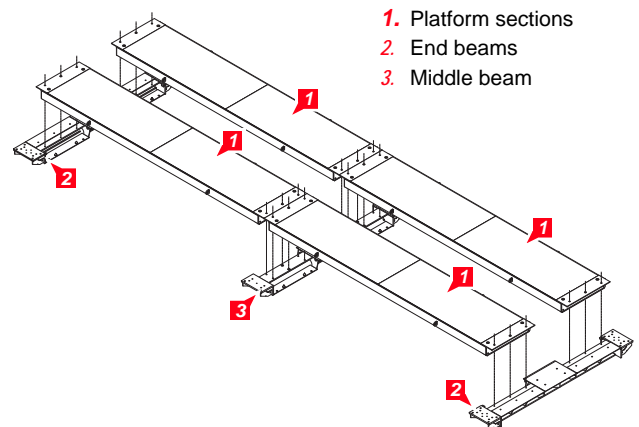


Composition

The shortest models of this weighbridge (6 - 8 m) are made up of two end beams connected one to the other by two steel platform sections. Each of the end beams is equipped with two load cells.

If a longer platform is required, one or more middle beams (max. 3) are added with the corresponding platform sections and the required steel work.

7 ELEM AS

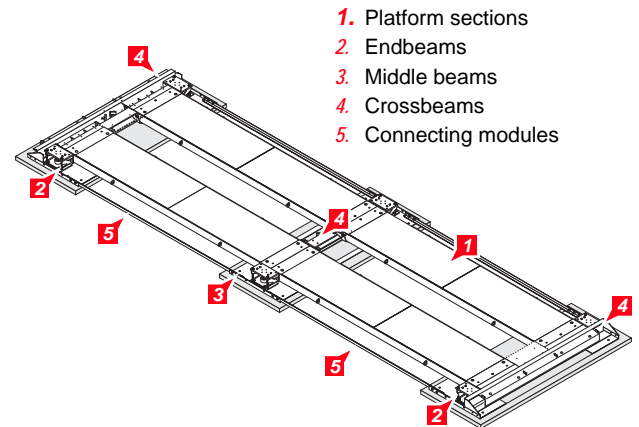


1. Platform sections
2. End beams
3. Middle beam

The 7 ELEM AS is installed on concrete piers. Civil engineering works are reduced to their minimum.

Optionally, the weighbridge may be equipped with steel edgings to simplify the construction of the access ramps and fixation of the buffers.

7 ELEM TP



1. Platform sections
2. Endbeams
3. Middle beams
4. Crossbeams
5. Connecting modules

The foundation tubing supplied with the transportable version, in which the beams and connecting modules are installed, are provided for the rigidity of the assembly.

This model may be installed on a concrete foundation slab or on a compacted soil. Each end tubing of the weighbridge has been designed to receive the buffer screws and the access ramps.

Application

The surface mounted, fully electronic weighbridge 7 ELEM is available in two different models :

- Type TP (transportable) : for installation on a simple foundation slab,
- Type AS (semi-permanent*) : for installation on concrete foundation piers.

The design and modular construction of the 7 ELEM weighbridge meet all requirements of installation and use :

- All platform sizes between :
 - 6 and 8 metres : on 4 load cells,
 - 12 and 16 metres : on 6 load cells,
 - 18 and 24 metres : on 8 load cells,
 - 24 and 32** metres : on 10 load cells (upon request).
- Overall height: 29 cm (for AS model);
- Rolling width : 3m ;
- Easy and fast installation;
- Easy access to the vital parts (load cells, junction box, buffers);
- Equipped with digital (ASL 30 t) or analogue (SCL 35 t) load cells;
- Painted steel construction for improved protection against corrosion;
- Fully removable, central platform plates designed for pedestrian use (option: reinforced platform plates).
- Access ramps*** of reduced length.

Indicators and terminals

The 7 ELEM weighbridge may be used in combination with a wide range of PRECIA MOLEN digital weight indicators and weighing terminals :

- Indicators designed for handling incoming and outgoing vehicles and for loading operations on the weighbridge.
- Software packages for handling the weighing results, for integration into your electronic data processing systems.
- "Self-service" weighbridge terminals.

Moreover PRECIA MOLEN offers a complete range of software packages for standard applications (vehicle loading, handling of incoming and outgoing product streams, concrete batching and mixing plants, etc.) or tailor-made software to meet your specific requirements.

Metrological approval

- Compliant with the definition of a conventional load receptor in accordance with the guide WELMEC 2.4.

* With steel or concrete end beams.

** On 12 load cells.

*** Option.

Physical characteristics

General characteristics

Number of load cells	4	6	8	10	
Minimum length	6	12	18	26	m
Maximum length	8	16	24	32*	m
Width					
• Semi-permanent models	3.6	3.6	3.6	3.6	m
• Transportable models	3.7	3.7	3.7	3.7	
Overall height					
• Semi-permanent models	29	29	29	29	cm
• Transportable models	30.5	30.5	30.5	30.5	
Number of end beams	2	2	2	2	
Number of middle beams	0	1	2	3	
Number of platform sections**	2	4	6	8	
Maximum capacity	30	50	50	50	t

* For longer platforms: installation on 12 load cells.
 ** 6, 7 or 8 metres, depending on the total length.

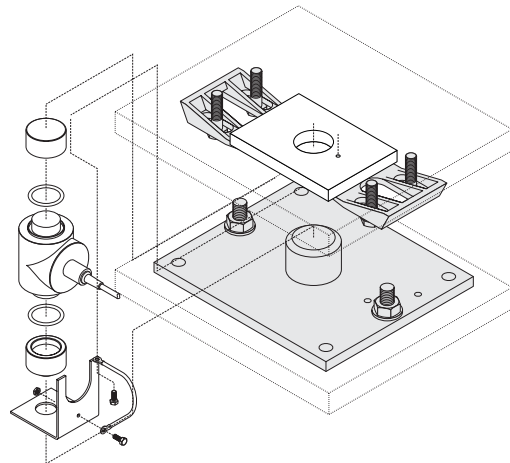
Technical characteristics elements

Element	L (m)	W (m)	H (m)	Wgt (kg)
End beam	3.6	0.5	0.26	450
Middle beam	3.6	0.5	0.26	480
Platform section:				
• 6 m	6.0	1.1	0.21	1250
• 7 m	7.0	1.1	0.22	1670
• 8 m	8.0	1.1	0.23	2150
Steel structure (per m ²)				≈ 35
Head beams*	3.6	0.35	0.28	460
End tubbing**	3.7	1.35	0.30	500
Middle tubbing**	3.7	1.35	0.09	300
Access ramps***	2.5	1.10	0.25	400

* Optional for semi-permanent model only.
 ** For transportable model only.
 *** Optional for transportable model only.

Load cells

Mounting principle



Main characteristics (see Load cell leaflet)

- Number of load cells 4/6/8/10/12*
- Capacity ASL load cells 30 t
- Capacity SCL load cells 35 t

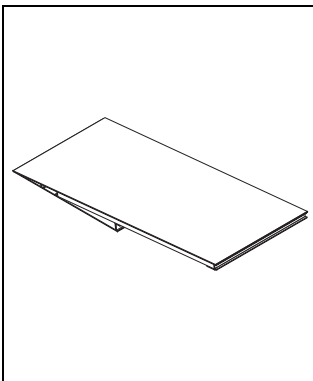
Remarks

For all weighbridges PRECIA/MOLEN supplies a set of civil work guide drawings and an installation manual.

* Depending on the model (refer to table "Physical characteristics").

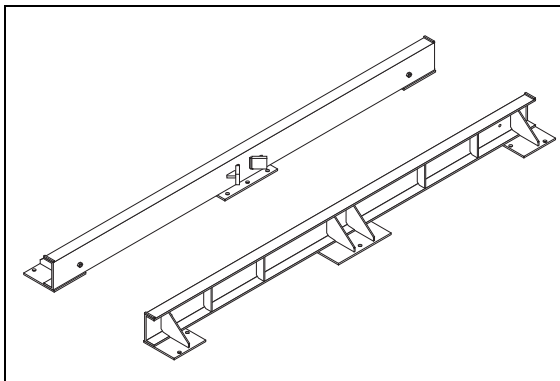
Options & Accessories

■ Access ramps*

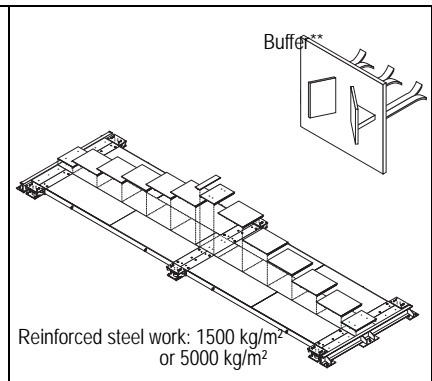


* For transportable model only.
 ** For semi-permanent model only.

■ Steel head beams**



■ Miscellaneous



Your weighing specialist

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