



CONCRETE PLACEMENT BOOM

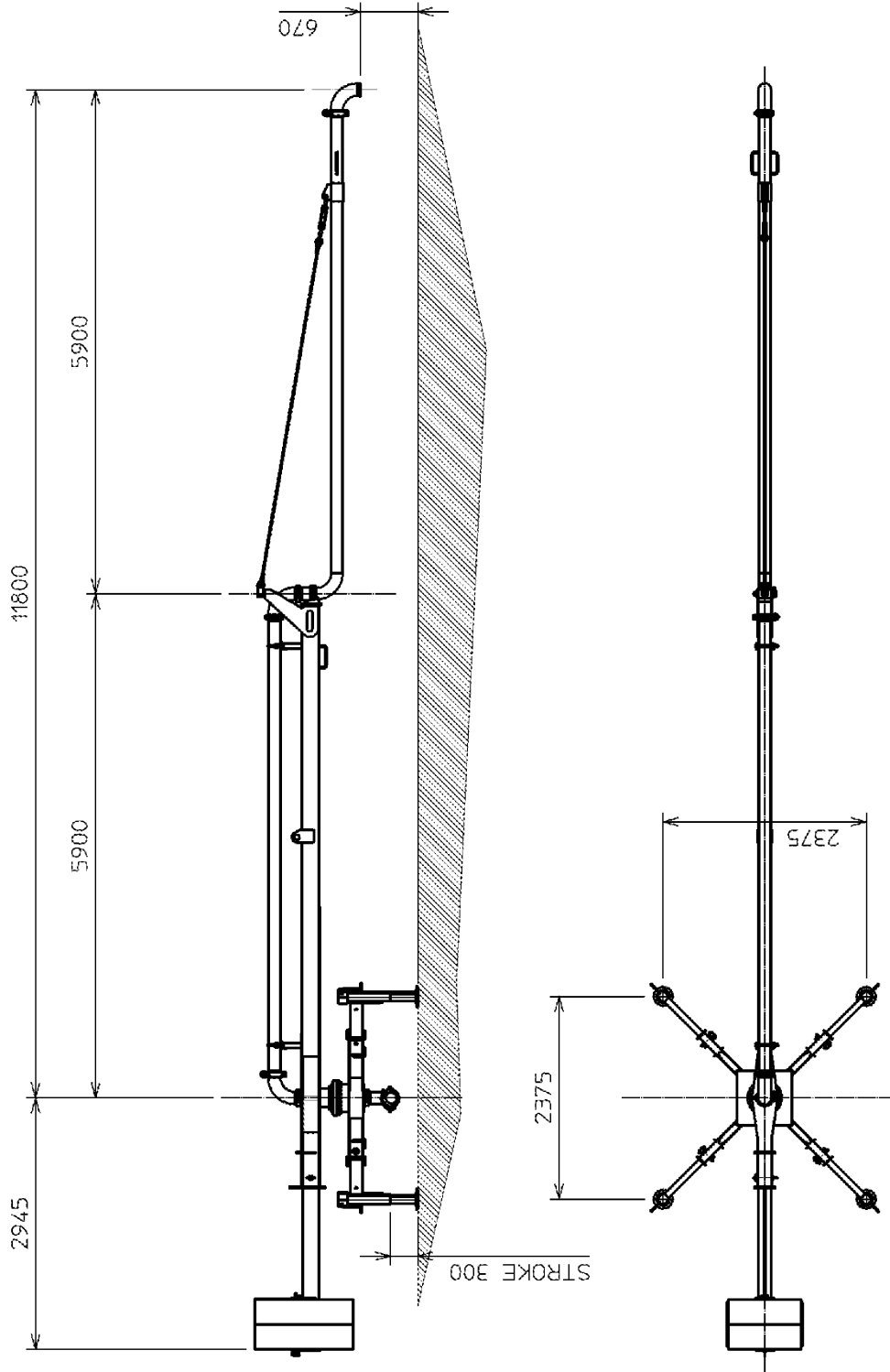
BML 12.SC55

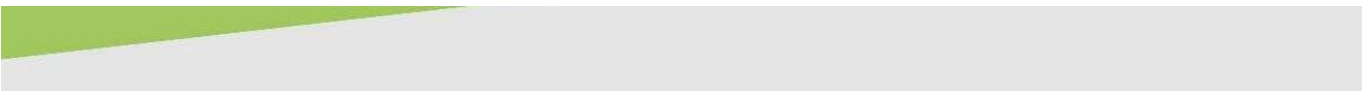
TECHNICAL DATA

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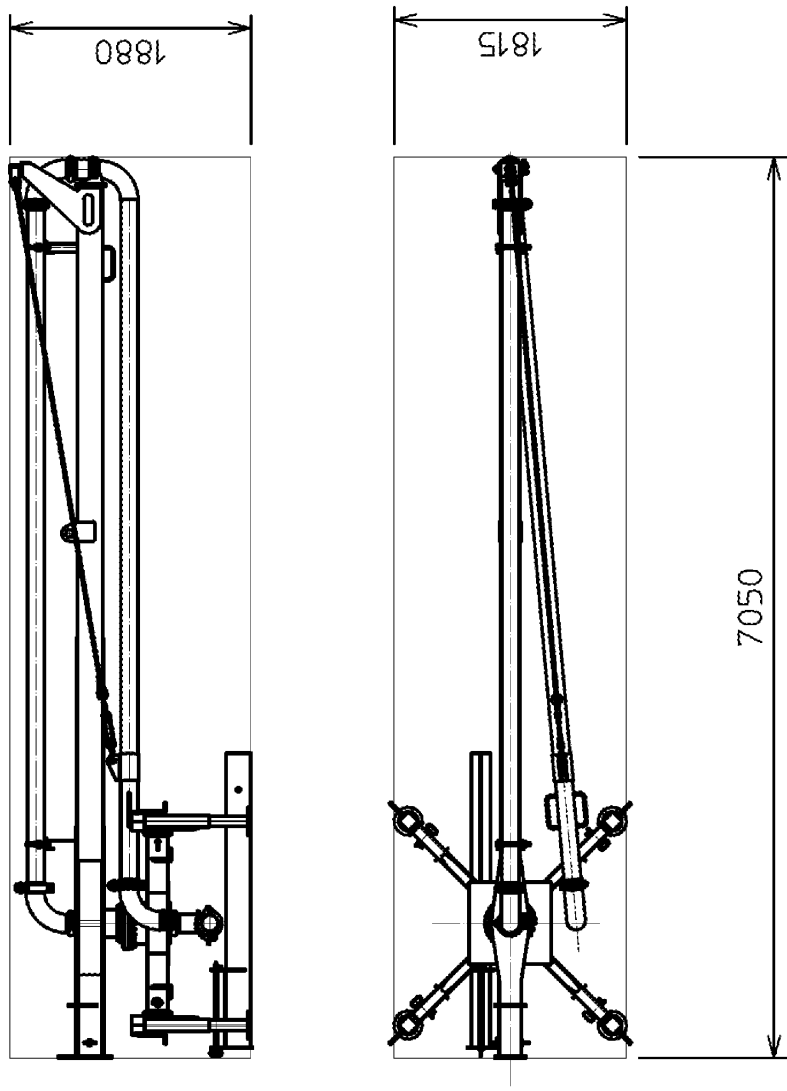


A. Overall drawing





A. Overall drawing



B.

Description

The concrete placement boom model **BML 12** is particularly suitable for concrete placing where direct distribution with truck-mounted concrete pumps or stationary concrete booms come up against technical and economic limitations.

It is made up of the following parts:

- **BASE UNIT**

The base unit (**B**), made of a robust metal structure, is complete with telescopic jack arms fitted with outriggers (**C**) which can be adjusted vertically to allow for a perfectly horizontal disposition of the base unit itself.

- **BOOM SECTIONS**

The boom is made up of two arms:

- the first section (**A**), mounted on a thrust bearing, is formed by a steel structure, supports the piping (**E**) and allows the handling of the second section through a joint / bush;
- the second section (**F**), as part of the delivery line, is structurally supported by a steel tie (**G**).

The counterweight support (**D**) is positioned on the opposite side of the pipe and held in position by a fastening pin.

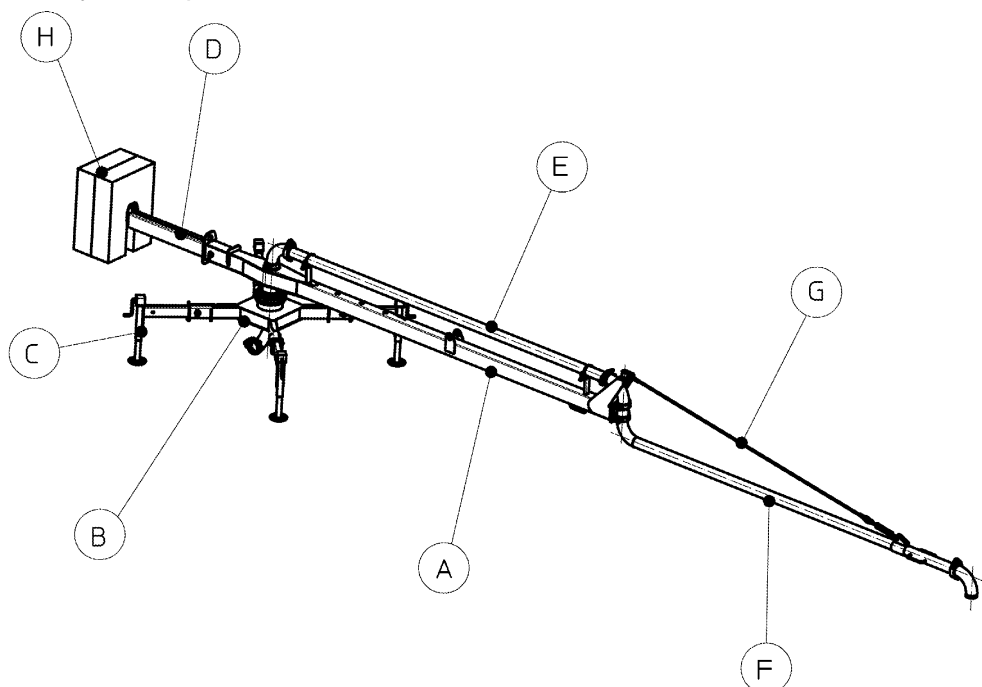
The counterweight (**H**) could be:

- concrete version (NOT INCLUDED)
- steel version (OPTIONAL)
- with concrete case (OPTIONAL)

- **PIPE**

The **BML 12** comes with SC55 – 125/148 weld collars as standard.

Areas of up to 430 m² can easily be concreted with the **BML 12** from a fixed place. The heavy work with delivery lines spread over the floors can thus be avoided.



C.

Technical data

Dimensions and space occupied

<i>Height (when in closed position):</i>	1.880	mm
<i>Width (when in closed position):</i>	1.815	mm
<i>Length (when in closed position):</i>	7.050	mm

Weight and loads

<i>Weight of the BOOM (without concrete):</i>	1.100	daN
COUNTERWEIGHT:	1.250	daN
TOTAL WEIGHT:	2.350	daN
 <i>Weight of the CONCRETE:</i>	 400	 daN
TOTAL WEIGHT:	2.750	daN
 LOAD AT EACH JACK ARM:	 1.350	 daN

D. Installation and standard operations

Check that the underlying surface for the concrete placement boom is level and able to support a vertical load of **1.350 kg** at each outrigger.

Unload the boom from its transport with the two arms closed and without the counterweight in place.

Before placing it on the work surface, spread the four telescopic jack arms and fix them in OPEN position with the four fastening pins.

Using the adjustable outriggers, establish the height of the base unit so that the elbow mounted under the base unit, is kept 100 mm above the ground.

Check that the boom is horizontal using a level placed on the upper plate of the base.

E.

Maintenance

Upon delivery of the concrete boom or after a period of inactivity, it is necessary to perform a very careful inspection of all its parts.

General rules

- Take note of the presence of any damage;
- Check the proper tightness of the bolts;
- Grease the connecting couplings, the jack arms and the thrust bearing;
- Check the condition of all welds;

At the end of a work session

- Wash the concrete pipes very carefully as well as all other equipment used.

Every 50 hours of use

- Grease the bolt couplings on the rotated joints;
- Grease the thrust bearing.

Every 150 hours of use

- Check the tightness of all the bolts paying particular attention to those of the thrust bearing.

Periodically

- Check the thickness of the concrete pipes and replace any worn out pipes as soon as possible;
- Check that there are no broken or damaged parts and be particularly certain that there are no cracks in the welding;
- Grease the jack arms;