

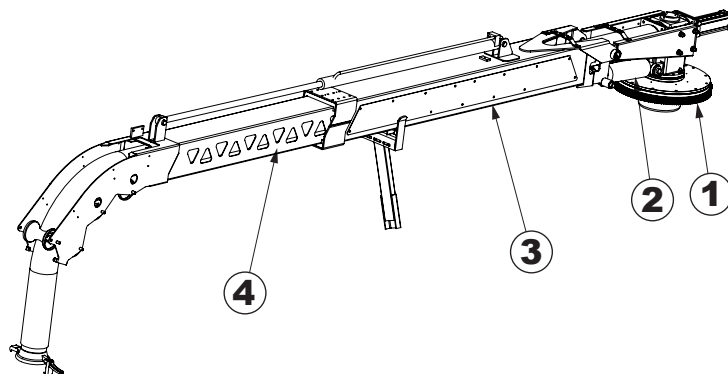


## TECHNICAL SHEET



## HEAVY DUTY BOOM

## Description



The suction boom starts the vacuum line, it is the first component which comes into contact with the sludge material and it is the more complex part of the system and of the air flow covered during the entire path from the suction mouth to the tank. The movement of the suction boom is made possible thanks to the hydraulic system. An hydraulic motor applied to the centre-plate (1) controls the rotation while the lifting and the extension of the arm are made possible by hydraulic cylinders (2). The whole hydraulic movement plant of the suction boom relies on an accurate design and a detailed study of the ergonomics of each component to guarantee precision in the movements, speed of use and minimum operator fatigue. The strong structure (3) of the telescopic arm (4) is heavy duty made to support the weight of the loaded material.

## Technical data

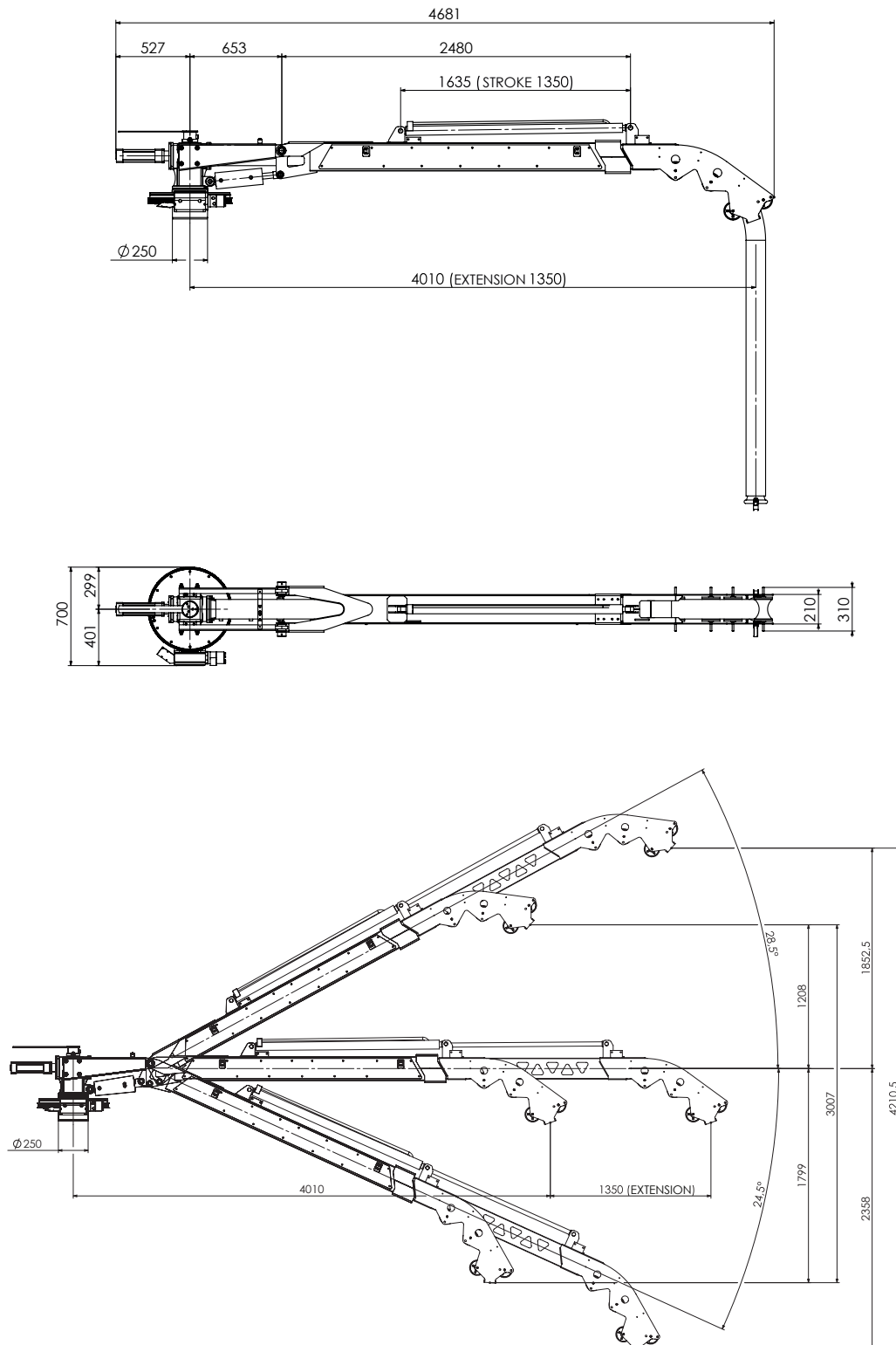
parameter	value
Working pressure	+1,5 bar rel.
Hydraulic oil flowrate	15÷20 l/min
Hydraulic system pressure	120 bar
Hose diameter	4" - 5" - 6" - 100 mm - 120 mm - 150 mm
Weight	410 / 450 kg

## Main features

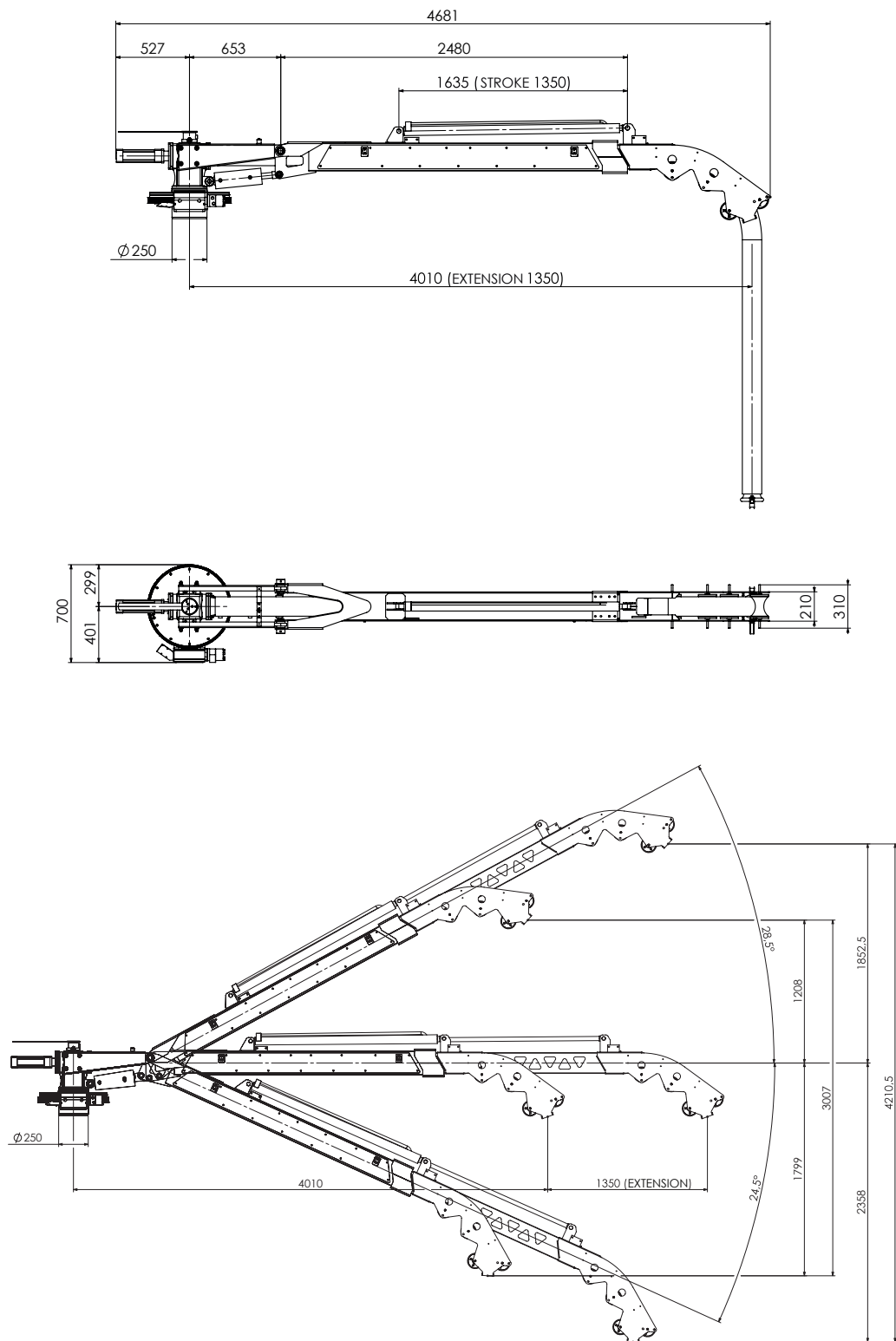
- Top mounted suction boom.
- Hydraulic rotation with hydraulic motor and worm. Centre-plate.
- Rotation angle: 300°. Adjustable speed.
- Elevation: controlled speed, effort limiter on the down stroke.
- Gate valve: movement with pneumatic cylinder.
- Solenoid valve group for the movements control. 24 V.
- Structure made of construction steel.
- Support and telescopic arm in galvanized steel.
- Guide rollers and support for the suction line.
- Welded manway made of carbon steel.

## Dimensions

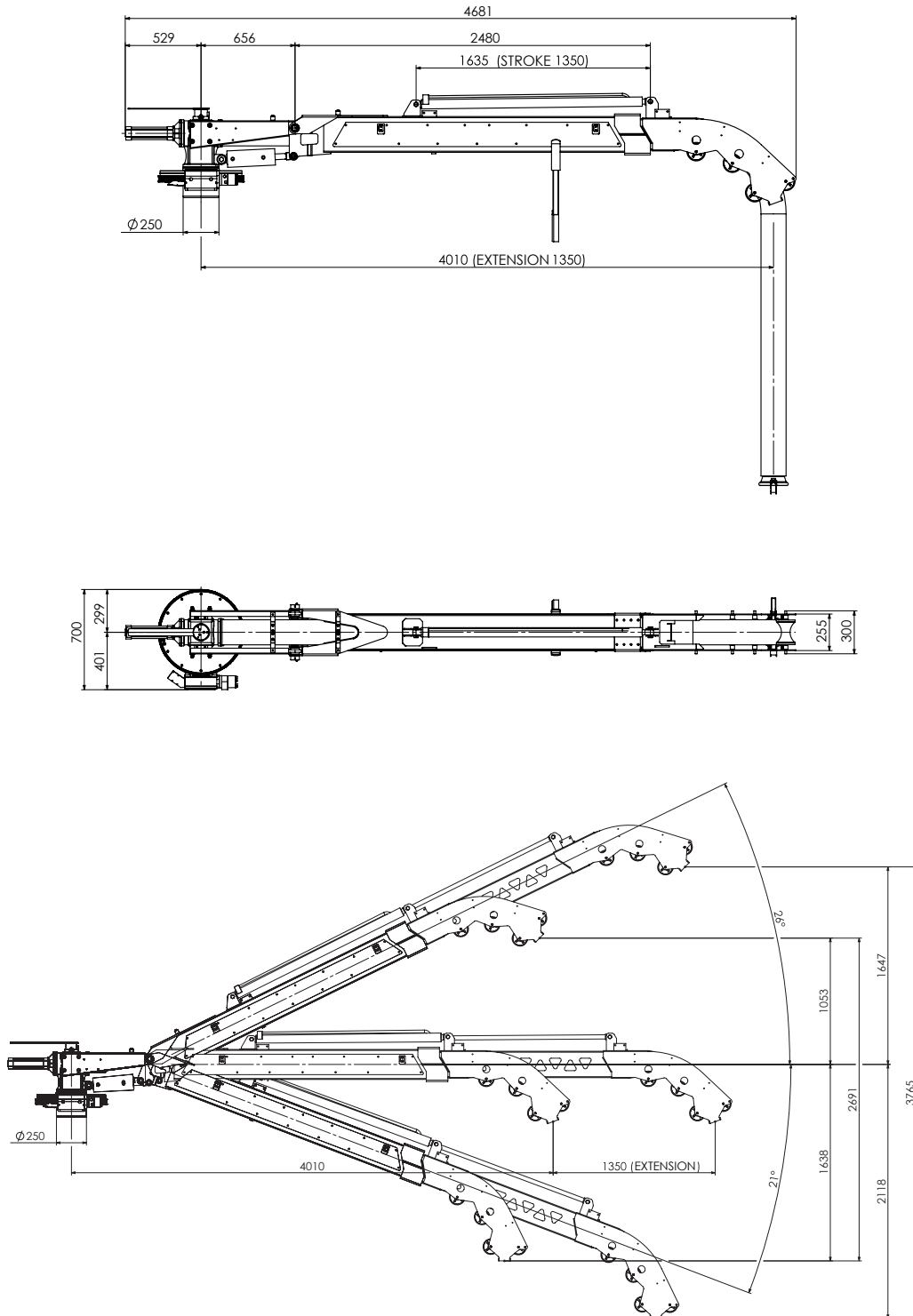
### 4" HEAVY DUTY BOOM



5" HEAVY DUTY BOOM



## 6" HEAVY DUTY BOOM



## Versions

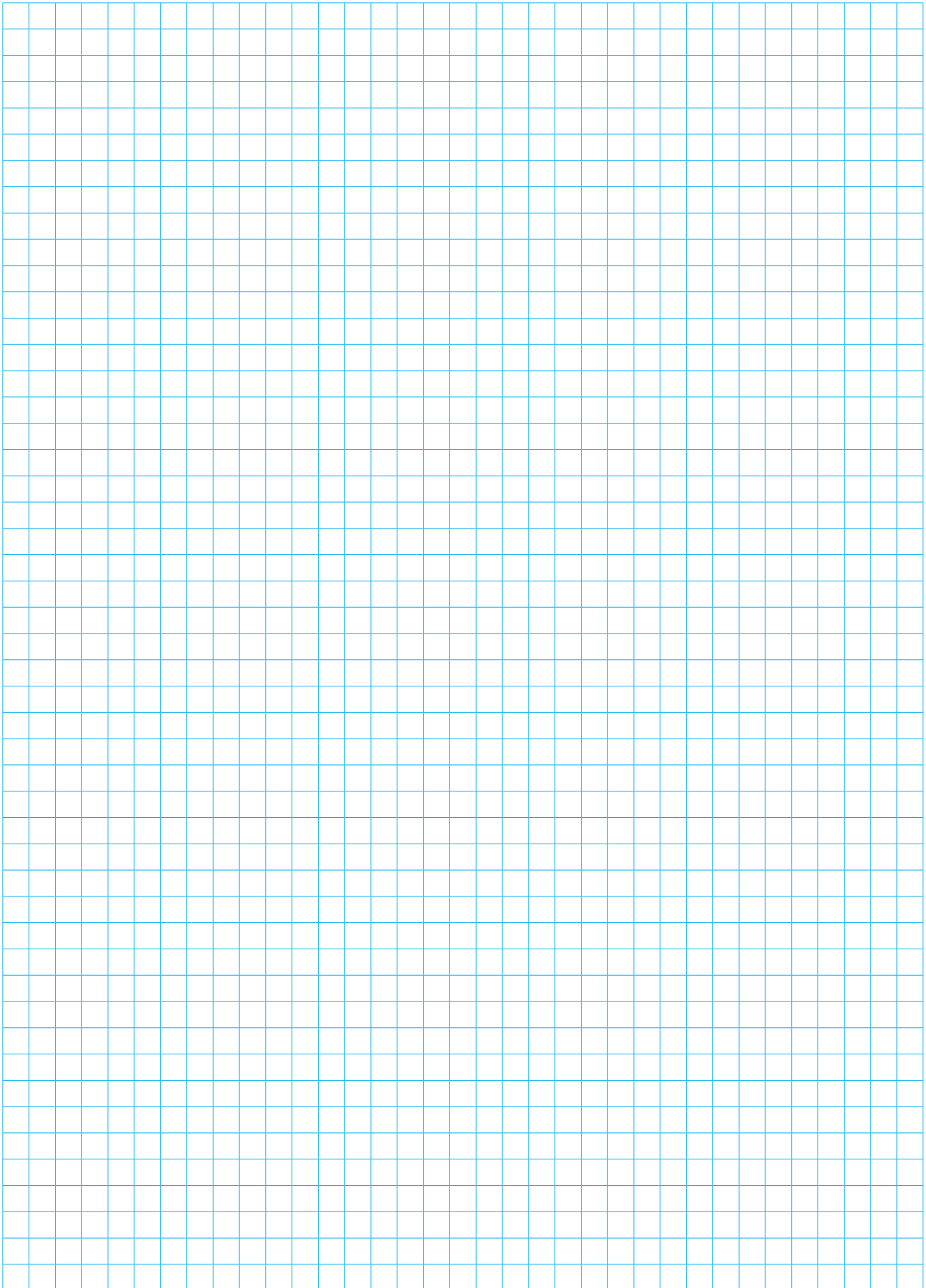
code	description
42721500060	4" Heavy duty boom
42721500061	5" Heavy duty boom
42721500062	6" Heavy duty boom

## Accessories

code	description
46216000082	24V remote control
	Galvanized steel suction pipe. Different lengths and diameters 4" - 5" - 6"
	Galvanized steel suction pipe with flushing. Different lengths and diameters 4" - 5" - 6"
	Flexible suction hoses with various length fittings 4" - 5" - 6"
6.928006010-1	24V led working light kit

## Examples of application







**MORO KAISER**  
**COMPONENTS**

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