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**MANIRAIL**

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**MEWP**

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**TELESCOPIC HANDLER**

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**HOISTING CRANE**

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# MANIRAIL MRT 1440/ 1640/ 1840 EASY RR

## THE NEW STANDARD

Developed to carry out work on and around the railways more safely and efficiently.

This multi-functional, 360-degree rotating telescope machine offers the user a means of transport, telescopic handler, MEWP, and hoisting crane all in one. The compact rail conversion ensures that the machine has a maximum working range. A comprehensive control system with built-in safety and control functionalities provides ergonomic operation.



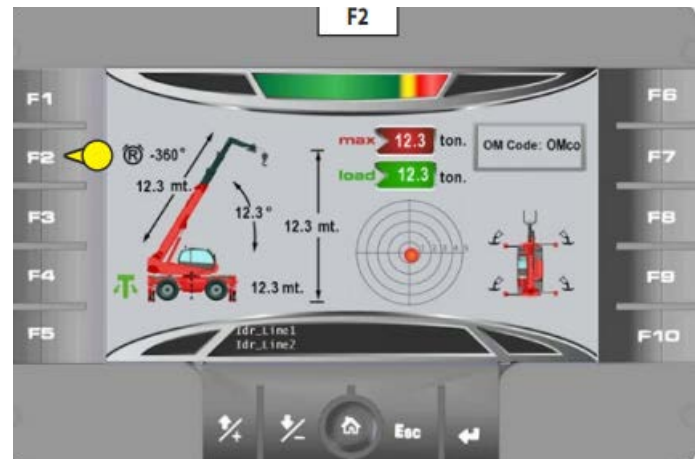
# EFFICIENT ON TRACK

The four-wheel drive provides a maximal traction when driving and braking on railways. The machine operates up to a maximum slope of 6%.

The rail conversion also has a level adjustment function, which makes it possible to work safely even from tracks with significant cant (180mm).

Almost all standard Manitou tools can be integrated in the rail conversion:

- Fork carriage 4000 kg
- Rotating forks 2000 kg
- Hoisting winch 2000 or 3000kg
- Hoisting jib 1200 - 4000 kg
- Aerial working platform with jib 300 kg
- PSE4400 working platform 850 kg



# MULTIFUNCTIONAL

The MANIRAIL makes it possible to use a number of different work platforms and other tools. The machine has an integrated, adjustable height and rotating limiter. Additionally, it uses the original RCI so that other original Manitou tools can be added to the machine at a later stage. Controls can be easily switched from the cab to the work platform. From the basket, it is possible to have the machine go up to ten kilometres per hour. During work, the speed of the machine is limited to five kilometres per hour.



## MANIRAIL

### TECHNICAL SPECIFICATIONS

• Max. rail speed	19 km/h
• Max. road speed	30 km/h
• Workingspeed	1-2 km/h
• Lifting height	14/ 16/ 18 m
• Railtrack	1435 mm / 1485 mm
• Railwheels	640 mm A-C-S1002-MIX
• Weight	20t
• Max. weight	24t
• Railtrailer	25t
• Brakes	hydraulic
• Lifting capacity	4t, zie hijstabellen
• Clearance profile	G1-G2 (op aanvraag)
•	Swivel axle 250 mm
• Max. slope	workmode 6%
• Max. cant	transport 8°/200 mm
• Max. cant	workmode 8°
• Max. cant	work and transport: 8°
• Max. windspeed	12,5 m/s
• Persons	2
• Type approval	EN 15746 1-2 & EN 280

## MANIRAIL STANDARD

- Proportional hydraulic control
- 360° endless rotation
- Swivel and level adjustment function
- Height and rotating limiter
- Load control (RCI)
- Integrated camerasystem
- 4 wheeldrive
- Speedlimiter
- Passengerseat
- Changeable railwheels (Normal, Tram, and Meter)
- Automatic raillights
- Air tyres
- Oscillating axle for road use
- Locking differentiaall
- 24V Emergancypump
- Emergency and environmental kit
- Air horn
- Warning light (RCI)
- Clock and hour meter
- Lifting eyes

# WORKING LOAD CHARTS

## NORMALGAUGE AERIAL JIP Workingplatform 300 kg

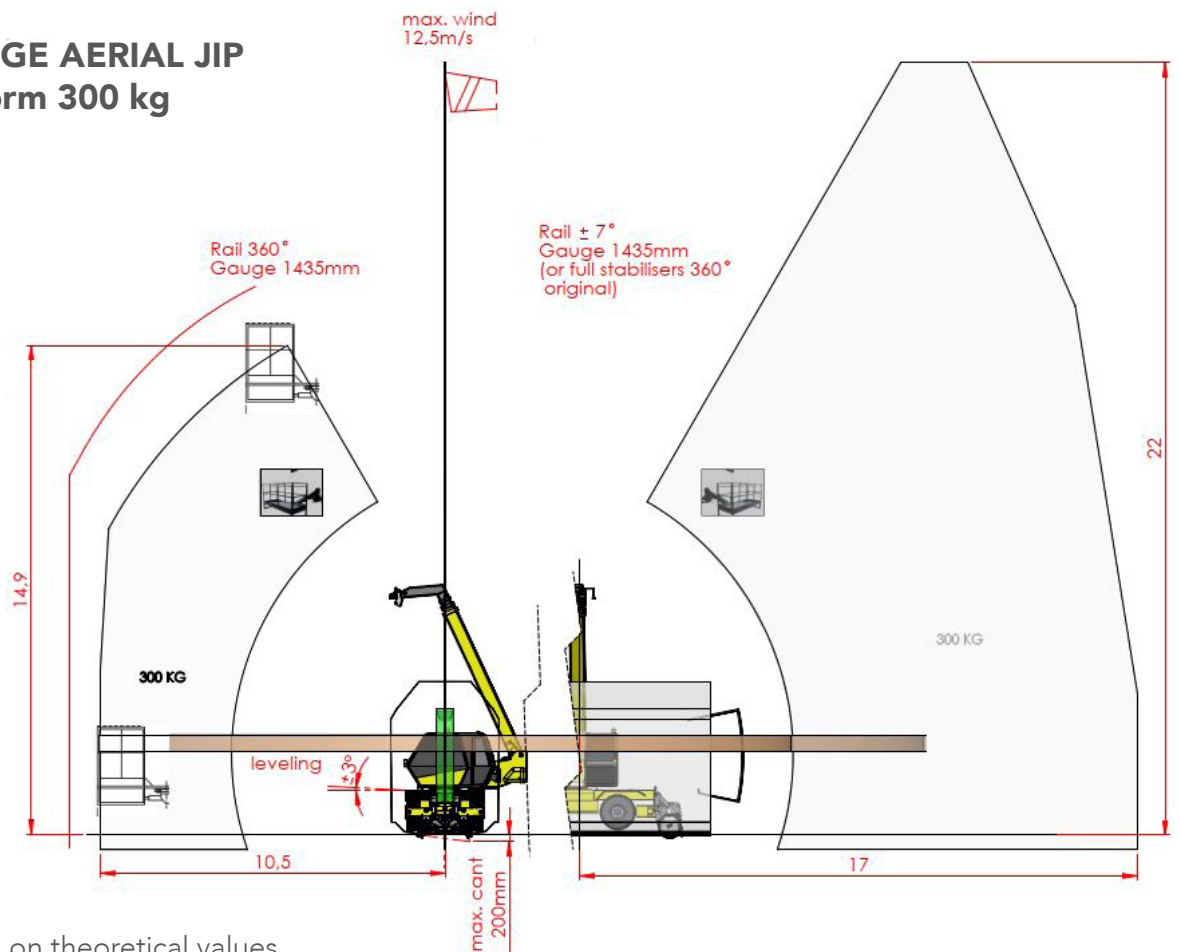
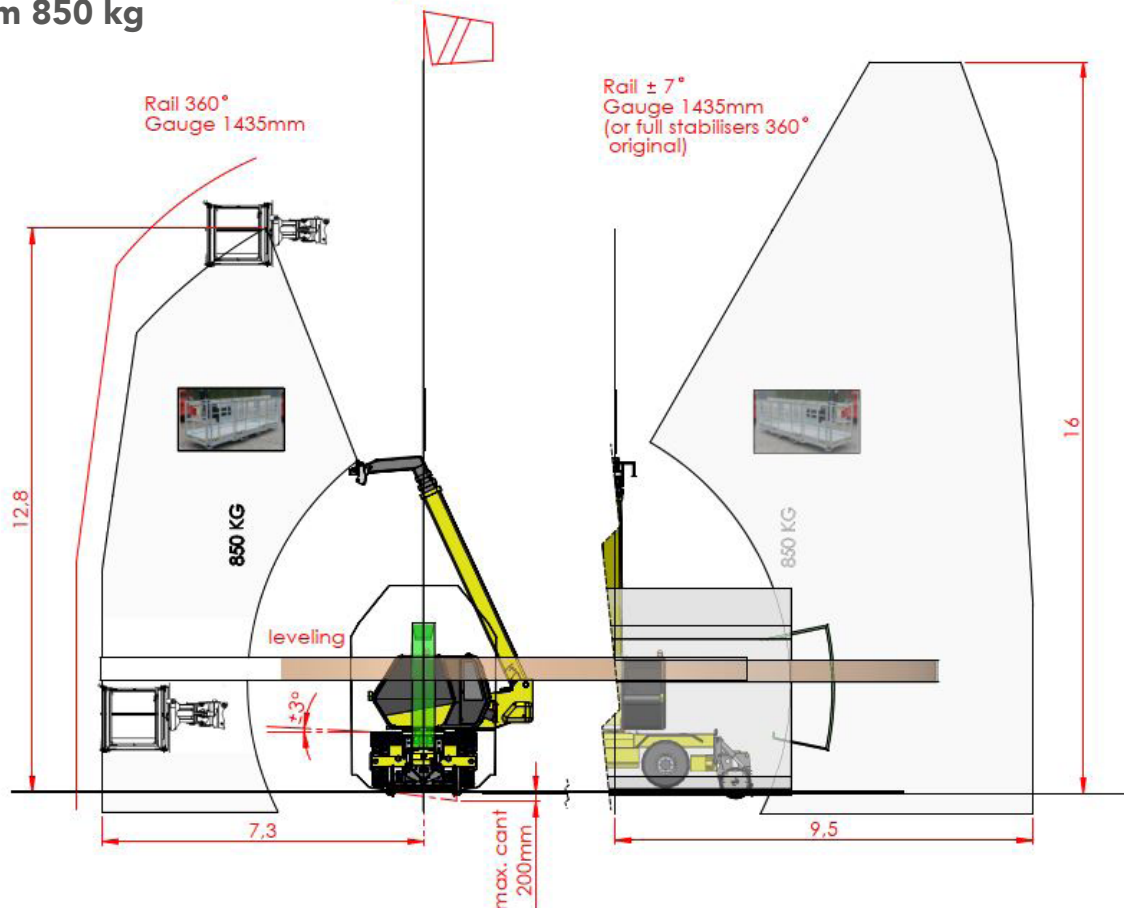


Diagram is based on theoretical values

## NORMALGAUGE PSE 4400 Workingplatform 850 kg





# WORKING LOAD CHARTS

## NORMALGAUGE FEM1320 Forks 4000 kg

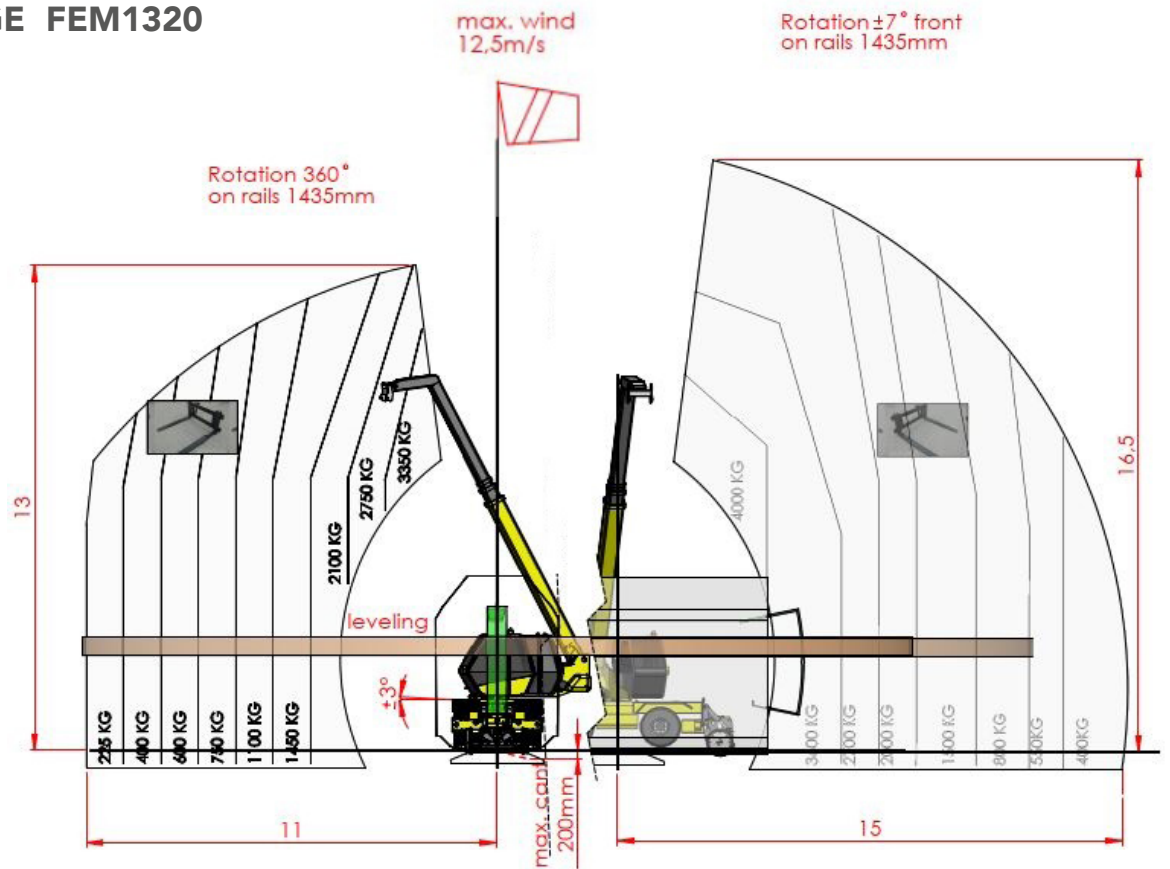
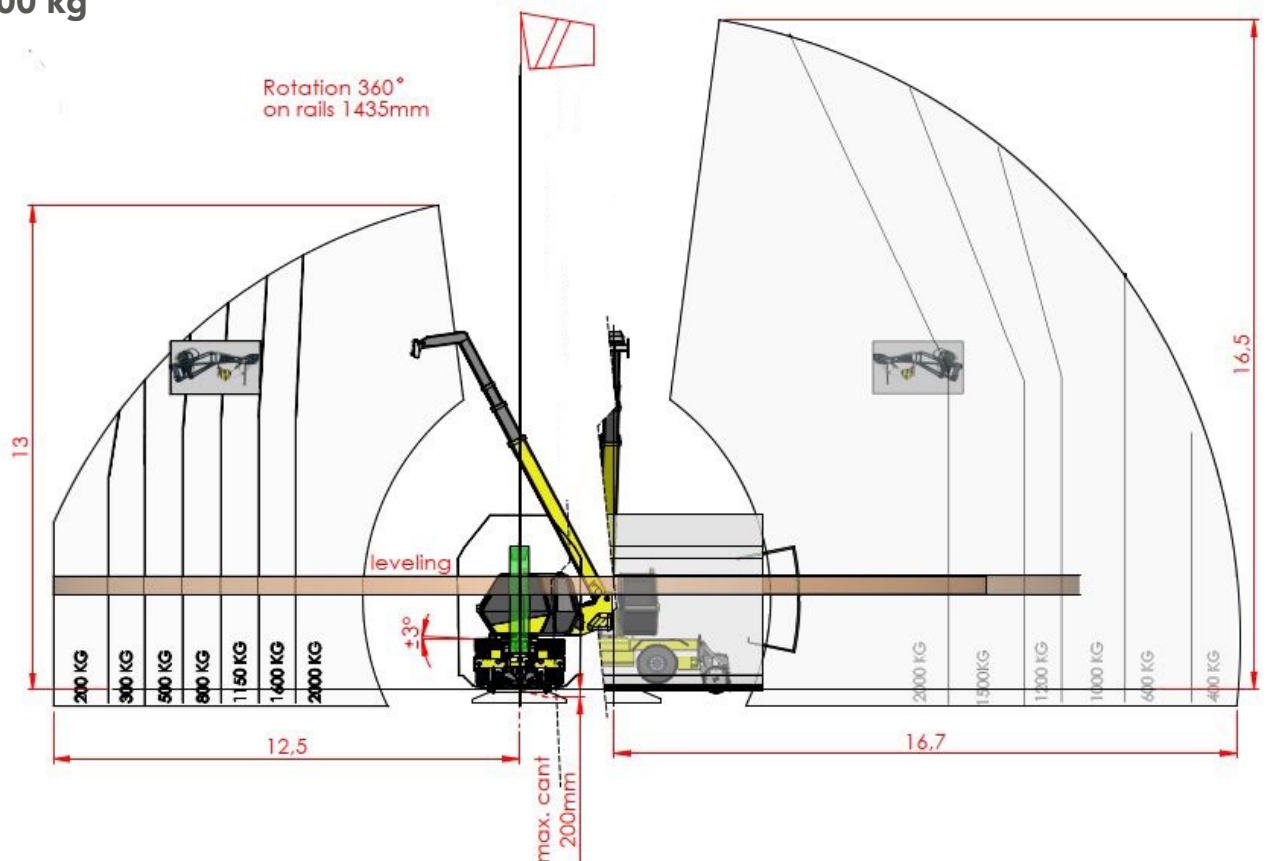


Diagram is based on theoretical values

## NORMALGAUGE PT2000 Hoist 2000 kg



# WORKING LOAD CHARTS

## NORMALGAUGE P4000 JIP 4000 kg

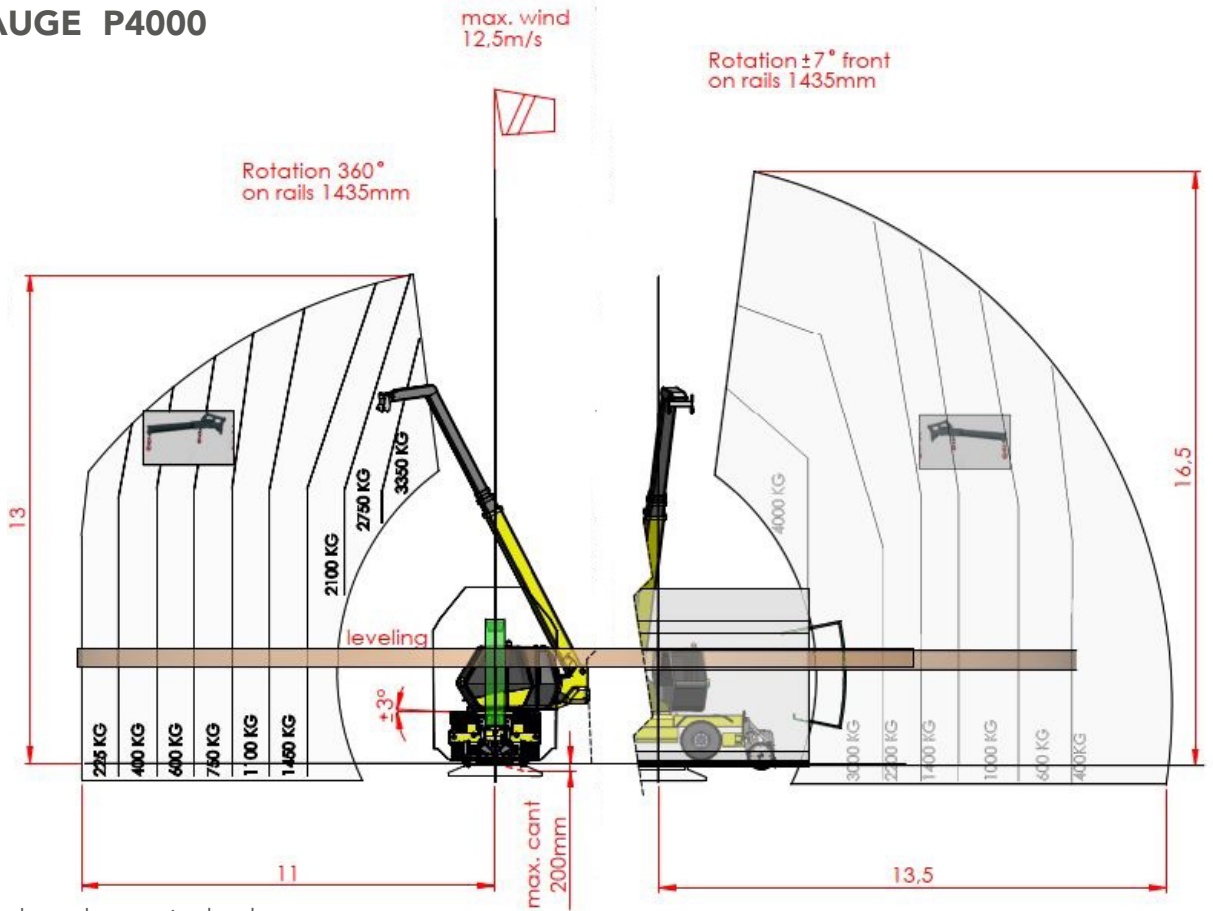
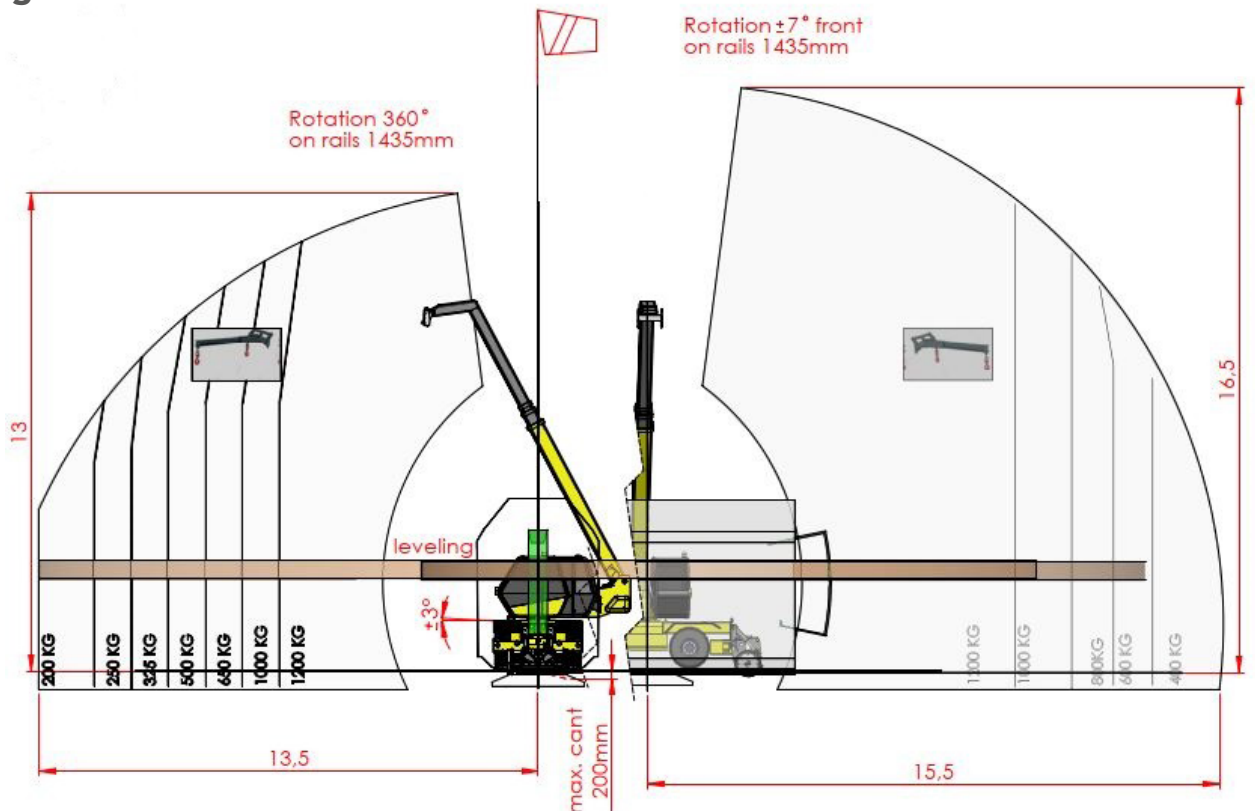


Diagram is based on theoretical values

## NORMALGAUGE P4000 JIP 1200 kg







Some jobs require special modifications. Whether it is a complete reconstruction, an upgrade, overhaul or reprofiling, or supplying new parts or special tools - at AMT you can find it all.

AMT is your partner with an established name. In addition to track and railway vehicles, we also develop and build special machines, robots, and automated systems, machined parts, and production tools.

All our finished products have one thing in common: they are custom-built.

During the manufacturing process our engineers also act as the project manager, keeping the lines of communication between design and implementation short and ensuring the customer has a single 'go to' person for any question or concerns.

If you are interested in our services and/or our products or if you have any questions, please contact us on +31 76 5015912 or [info@amtgroup.nl](mailto:info@amtgroup.nl)



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