
AMT
RAILROAD
AMT
AMT
RAIL/ROAD VEHICLES
FLAT BED RAIL TRAILERS
SPECIALS
MACHINE COMPONENTS



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INTRODUCTION

There is nothing better than creating solutions for our customers, then developing and producing them. From special parts to complete customer-specific machines. We have been doing this for more than 25 years with a great team of professionals. Whether it is in the region or on the other side of the world, our *DEDICATION* forms the basis of producing top quality products.

AMT group attaches great value to cooperation, because specific wishes from the market call for innovation. Thus, we seldom take no for an answer, because we are convinced that by seeking *COOPERATION* with other specialists, the end result will always be better.

We have a clear vision of the transition that is taking place in our 'playing field'. Robotisation, electrification, digitalisation - these are all developments that we take into account in our work and implement in the solutions that we *REALISE* for our clients.

AMT Group consists of three divisions, each with its own specialism:

RAILROAD
Machines for on and around the track are developed together with you and then built according to your wishes, requirements and the laws and regulations laid down. The machines are equipped for use on various tracks, braking systems and other options.

INDUSTRY
For industry, we design and realise production machines, transport systems, robotic installations, complete automation, production tools, clamping jigs and parts. All this is carried out in our modern equipped workshop.

URBAN
The AMT Group has been carrying out highly visible projects in the urban environment for many years. These may be custom-made steel flower boxes, but also buildings or constructions commissioned by architects and spatial designers.

Are you interested in one of our services and/or products or do you have any questions?
Then please contact us via +31 (0)76 501 59 12 or info@amtgroup.nl

Sven Elst, Marc Weytens and Paul Weytens
AMT Group B.V.



RAIL TRAILERS

DESCRIPTION

AMT rail trailers are designed to allow you to work as efficiently as possible. The trailers are built according to customer specifications. The compact, low construction and low unloaden weight allows for optimal use of the capacity. The robust frame, heavy-duty bearings, and reliable brakes ensure minimum maintenance requirements.

All rail trailers have been designed in compliance with the European legal requirements set out in EN 15955. The construction of any wagon is in accordance with applicable national guidelines. (such as TCVT, Infrabel, TSA, BAV, SNCF, EBA & DB Netz).

All our vehicles are equipped with an approved braking system. These braking systems can be regulated hydraulically as well as pneumatically.

Our rail trailers come standard equipped with various lifting and hauling eyes, a towing bar, Braking/ Lamp brackets, Twistlocks and a tool storage box.

In addition to the standard flatbed design, a lowered bottom (300mm), or container wagon with turntable are also optionally available. Additional support legs and hydraulic operation are also options.

Various standard railtrailers in stock.









SPECIFICATIONS AND OPTIONS

Basic

- 4 x 2m, 5 x 2m, 6 x 2.45m
- Twistlock connectors (20" or acc. spec)
- Fail safe brake system (air or hydraulic up to 60 ‰)

Proposed use

- Flat with stakeholes for materials
- Lowloader for high transport container
- Machine transport with ramps and outriggers
- Standard Container 20" Twistlock
- ACTS containers on rotating system
- 1 to 3-side dumpers
- Containers with conveyer systems
- Dry concrete mix installations
- Person transport
- Pebble distribution units

Additional options

- Combination brakes (Hydraulic and Pneumatic)
- Lights
- Removable side panels
- Demountable sides or Container
- Hydraulic Power Packs 1
- (Hydraulically) operated outriggers
- Aluminium ramps
- Passenger and platform stairs
- Easy exchangeable tram or metre axles

Wheel diameter	Height	Weight
420 mm	550 mm	1,650 - 14,000 kg
420mm	550 mm	2,600 - 20,000 kg
530 mm	620 mm	3,300 - 25,000 kg
560 mm	670 mm	3,500 - 29,000 kg









SELF-PROPPELLED TRAILERS

DESCRIPTION

AMT's self-propelled rail trailers are modularly designed. As a result, almost all options are interchangeable with the non-driven rail trailers. The trailers have two or four hydrostatically driven wheels with fail-safe brakes.

The rail trailers have a maximum speed of 20 km/h and are suitable for up to a 60‰ grade.

The self-propelled rail trailer can push or pull a second rail trailer.



SPECIFICATIONS & OPTIONS

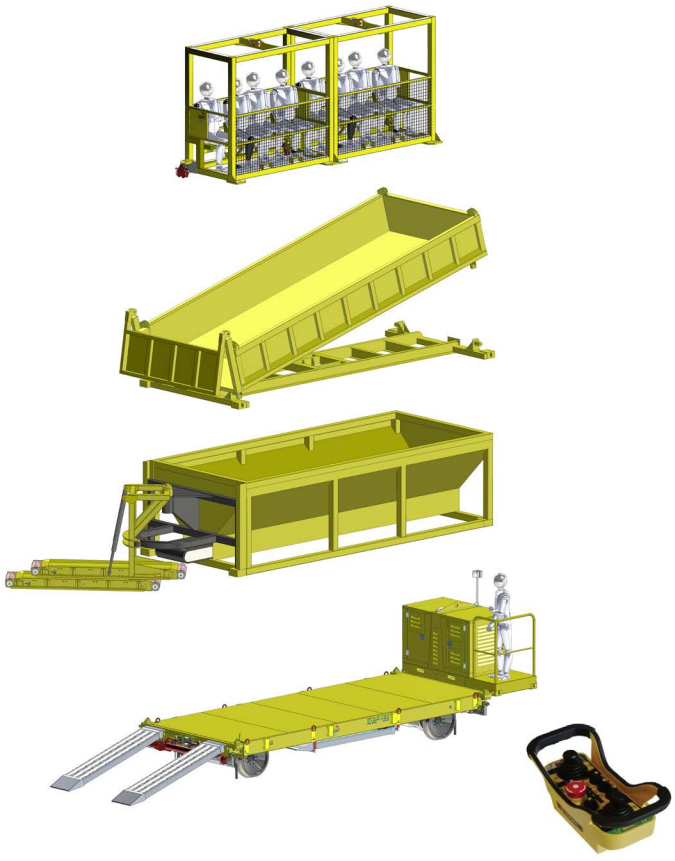
Basic

- 6 x 2.45m
- Twistlock connectors (20" or customized)
- Fail-safe brakes (pneumatic or hydraulic)
- Direct hydrostatic control

Options

- HPU up to 129 kW Diesel or zero emissions
- Expandable with hydraulic functions
- Wireless control (SIL 2)
- Trailer brake system (hydraulic and pneumatic)
- Rail trailer coupler
- Removable side panels
- Hydraulically operated outriggers
- Aluminium ramps
- Covered operator station
- Exchangeable tram or metre axles

Wheel diameter	Floor height	Max. total weight
500 mm	650 mm	20,000 kg
650 mm	750 mm	29,000 kg





MODULAR TRAILER

DESCRIPTION

Together with our Swiss partner AMT developed a special rail trailer which is modular for transporting special vehicles or loads on the rail.

The front and rearside are demountable so you can easily drive vehicles on top. The low midsection is interchangeable. (Measurement up to 12 x 2.8 m and a payload up to 45 Tonne) Fully approved air brake system.

The advantage of this design is that you can use your road vehicles in original state with the maximum payload on the road.



SPECIFICATIONS & OPTIONS

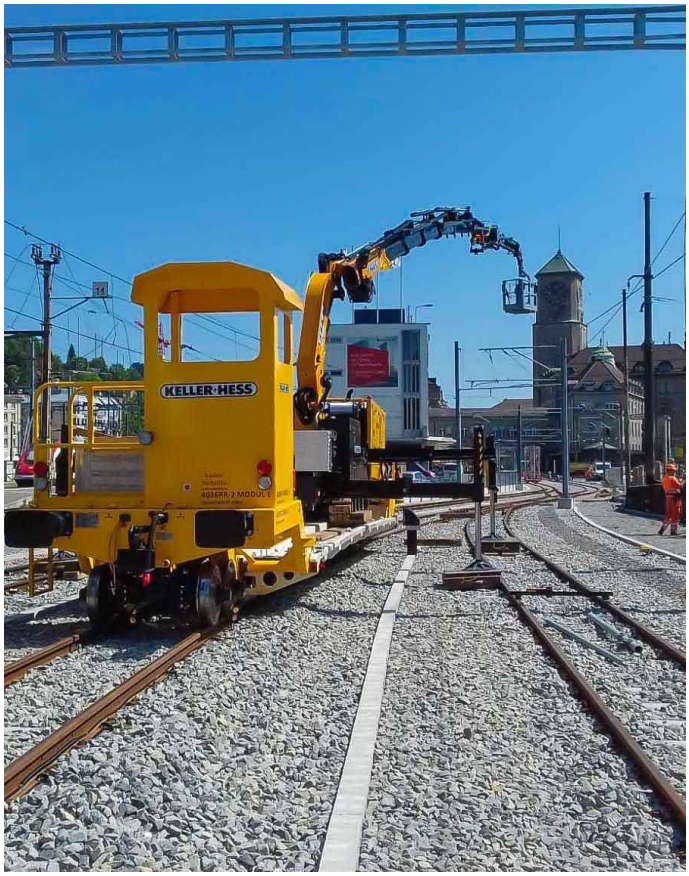
Basic

- 12 x 2.45 m
- Twistlock connections (20“ or custom)
- Operator cabin
- Fail-Safe brakes
- Remote control (SIL2)

Options

- Self-proppeled or towed (trailer)
- HPU up to 169 kW
- Expandable with hydraulic functions
- Trailer brake system (hydraulic and pneumatic)
- UIC coupler
- Hydraulically operated outriggers
- Aluminium ramps
- Exchangeable tram or metre-gauge railway axles

Wheel diameter	Floor height	Max. total weight
650 mm	700 mm	59,000 kg





TRACKED RAIL EXCAVATORS

DESCRIPTION

The versatile 85RR (10T) & 145RR (20T) crawler excavators are equipped with a fixed mounted hydraulic rail system. Suited for narrow, normal and tram track with only one wheel swap.

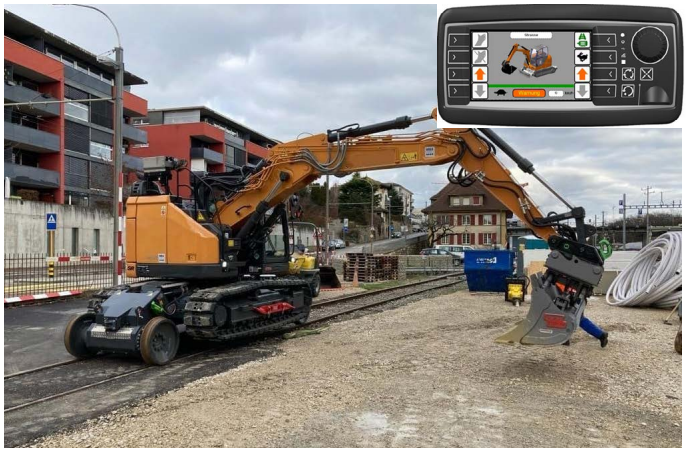
Due to their compact construction and short counterweight, these machines can be used almost everywhere.

Four-wheel drive (9A) and four-wheel brakes make it capable of operating at a maximum speed of 20 km/h and with perfect grip for grades up to 60‰ and higher. The front of the machine has a swing axle that can be switched automatically and manually for maximum stability.

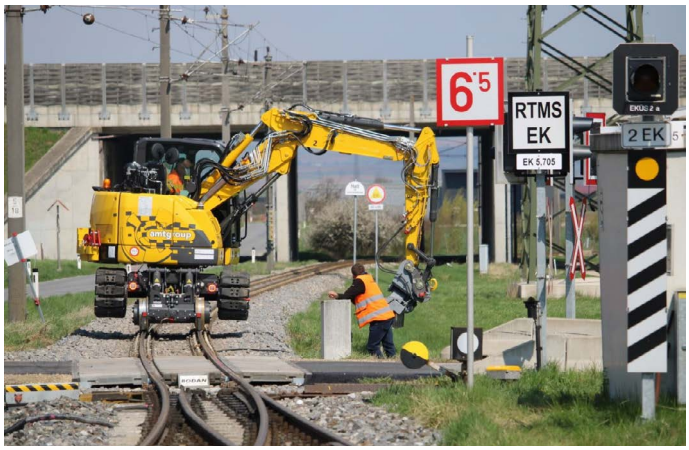
All the functions such as lifting and lowering of the rail gear are simple and intuitive to operate through a single operating screen. The current status of the rail gear, RCI and options such as a camera system are also displayed on the screen. With a cloud module, you are able to access the machine from anywhere to perform service, monitor the systems and update the machine.

The rail gear is designed and built according to EN15746. Final assembly complies with the national guidelines such as TCVT, Infrabel, TSA, BAV.

Our next generation proven rail solutions ensure a reliable machine with low maintenance.









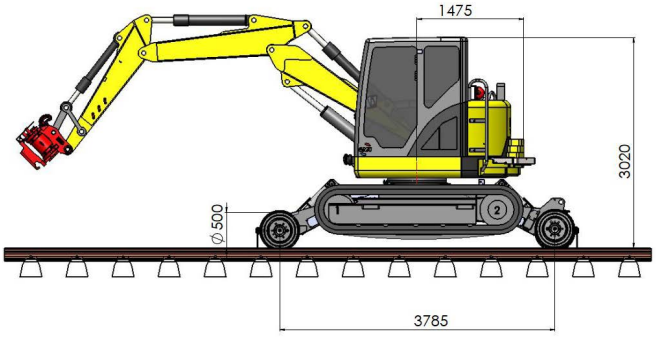
SPECIFICATIONS AND OPTIONS

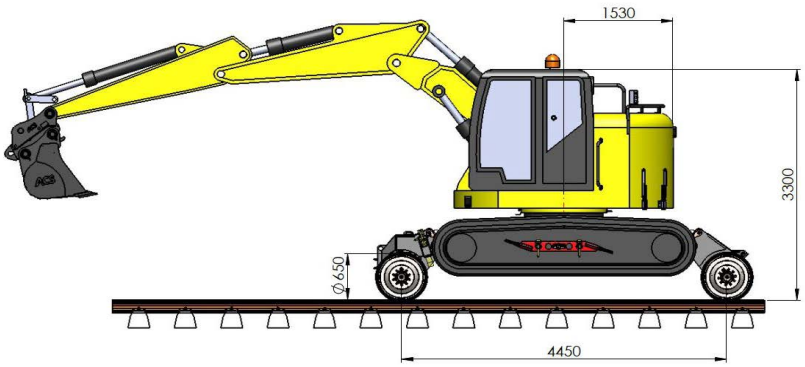
Basic

- Single control screen
- Integrated RCI control
- Integrated Height and Slew limiter
- Short swing radius <1570 mm
- All cylinders are fitted with position monitoring
- Rockinger trailer coupler at front and rear
- Automatic track lighting and switchable work lights
- Co-driver seat or stand with emergency controls
- Safety equipment
- Emergency hand pump for profile and brake release
- 660 Hz air horn and flashing light
- Up to 60 ‰ grade and 50 m radius
- Direct four-wheel drive and brakes
- Wheel swap system for narrow, standard & tram gauge

Options

- Emergency brake system up to 80 ‰
- Hydraulic supports
- Central lubrication
- Pneumatic or hydraulic brake system for rail trailers
- Mobile Elevating Working Platform
- Quick-change system, tilt rotator and attachments







RAIL EXCAVATORS

DESCRIPTION

The TW160,165 (20T) and TW180 (22T) are fitted with an extremely stable and robust rail gear system Permanently mounted with optional quick change system for narrow, normal and tram tracks.

Due to their compact construction and short counterweight, these machines can be used almost everywhere.

The machines can be used as a high (9B) and low (9C) on the railtrack. Optionally, the machine can be equipped with hydrostatic axles (9A). The front of the machine has a swing axle that can be switched automatically and manually for maximum stability.

All the functions such as lifting and lowering of the rail gear are simple and intuitive to operate through a single operating screen. The current status of the rail gear, RCI and the optional camera system is also displayed on the screen. With a cloud module, you can access the machine from anywhere to perform service and update the machine.

The rail gear is designed and built according to EN15746. Final assembly complies with the national guidelines such as TCVT, Infrabel, TSA, BAV.

Our next generation proven rail solutions ensure a reliable machine with low maintenance.







SPECIFICATIONS AND OPTIONS



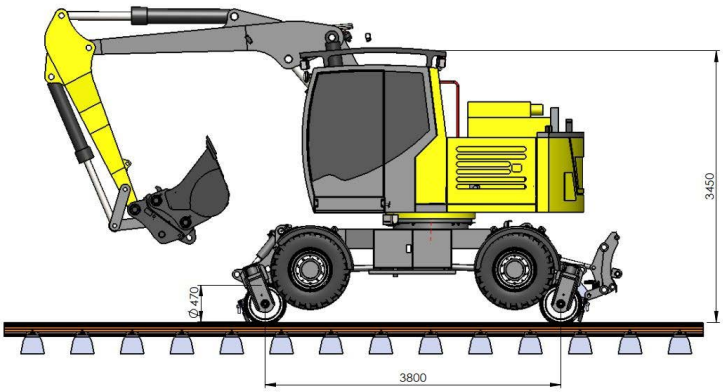
Basic

- Single control screen
- Integrated RCI control
- Integrated Height and Slew limiter
- Short swing radius 1570 – 1690 – 2000mm
- All cylinders are fitted with position monitoring
- Possibility to use the machine as 9B or 9C
- Rockinger trailer coupler at front and rear
- Automatic track lighting and switchable work lights
- Co-driver area in modern double cabin with emergency controls
- Safety equipment
- Hand pump for profile emergency release
- 660HZ air horn and beacon
- Up to 60 ‰ incline a80 m radius



Options

- Zero Emissions
- Hydraulic drive (9A)
- Hydraulic supports
- Pneumatic or hydraulic brake system for rail trailers
- Mobile Elevating Working Platform
- Quick-change system, tilt rotator and attachments
- Quick-change system for narrow, standard, tram gauge





RAILROAD DUMPERS

DESCRIPTION

AMT Railroad dumpers combine performance and safety for maximum efficiency.

The compact design allows the machine to be used on and off track.

The railway axles can be lifted and lowered independently via the 4.3" or 7" Wachendorf display. The current security functions of the track layout and the camera are also displayed on the screen. These systems enable the railway dumpers to be on track in less then a minute.

The railway axles are positioned at the front and back for maximum stability. All machines are constructed to allow switching between standard, tram, and metre gauge.

The rail conversion is constructed according EN15746 and can therefore be used on decommissioned railway tracks. Assembly overlaps national guidelines such as TCVT, Infrabel, BAV, DB.







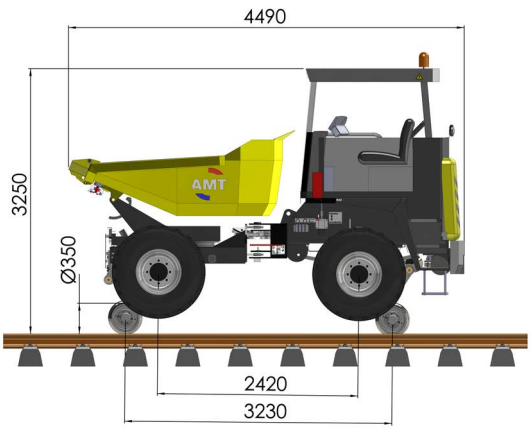
SPECIFICATIONS AND OPTIONS

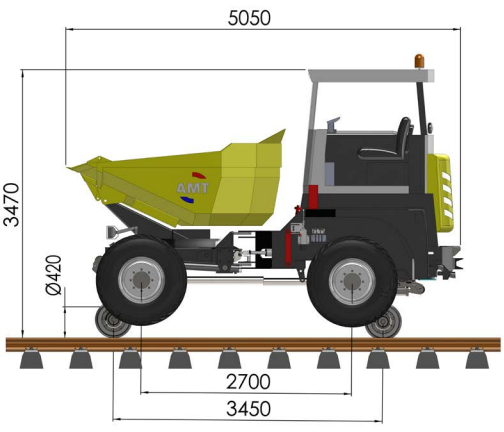
Basic

- 4.000 - 12.000kg dumper
- All cylinders are fitted with position monitoring and protective covers
- Rockinger trailer coupler at front and rear
- Automatic track lighting
- Co-driver area with emergency controls
- Safety equipment
- Hand pump for profile emergency release
- 660 Hz air horn and flashing light
- Up to 60 ‰ grade and 50 metre radius
- Quick-change system for metre, standard, tram gauge

Options

- Hydraulic drives
- Pneumatic or hydraulic brake system for rail trailers
- Enclosed cab







RAILROAD ATV

DESCRIPTION

AMT Railroad ATV's are designed to make work on and around the track easy and more efficient.

ATV's are already in use for a long time for working in rough terrain such as water and forest management.
Operating the machine is very simple, the technique is robust and the maintenance level is low.

The AMT ATV is suitable for 2 to 6 persons and small loads due to the loading platform (1000x500mm). The vehicle provides easy access, and is ready for action on railway track within a minute. Hydraulic powered railway axles and electrical safety display.

Due to its low weight, the ATV can be transported on a small car trailer or van.
The ATV can be equipped with 2 light aluminium lorries (with load capacity of 400 kg or 2 seats each).

The AMT Railroad ATV's are designed in according to the European legal requirements set out in NEN EN 15746.

With a free space according to the G1-G2 the AMT Railroad ATV doesn't interfere with infrastructure and is almost everywhere ready to use.

The ATV can be powered 100% electrically, with petrol or diesel engine.







SPECIFICATIONS AND OPTIONS

Basic

- Buggy or quad
- Speed limitation at 20 km/h
- LED lighting and optional work lighting
- Electronic monitoring on railway wheels
- Maximum traction (in combination with AWD)
- Applicable in almost every structure gauge
- No rubber in contact with track
- No interfering with the infrastructure
- To be transported in a van or trailer



Proposed use

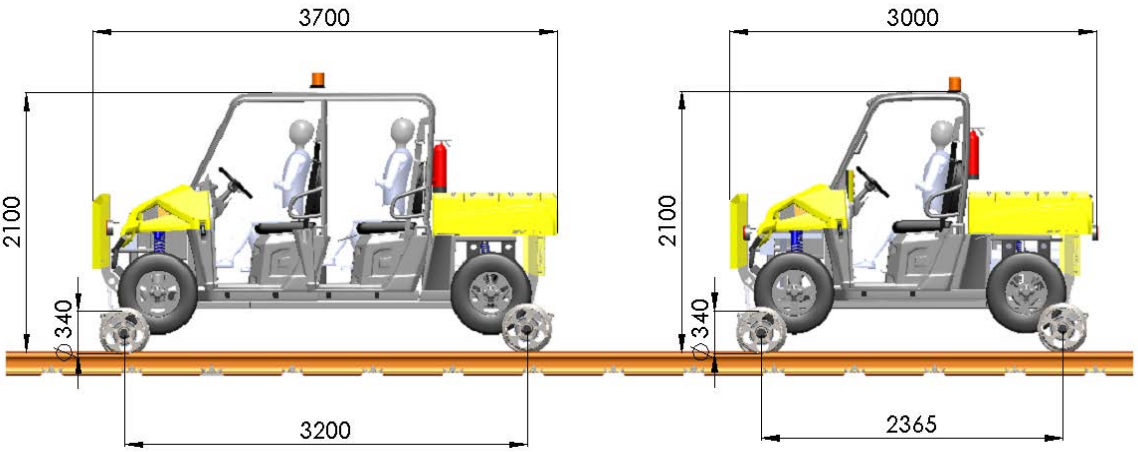
- passenger transport (up to 6 people)
- Inspections and measurements
- Lifting and transporting loads
- Cleaning and de-rusting rail
- Minor maintenance
- As rescue/ emergency system



Advantages

- Flexible
- Low purchase & maintenance costs

- Low fuel consumption (1:15)/ zero emissions
- Suitable for normal, tram and metre gauge





RAIL TELEHANDLER

DESCRIPTION

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.

The hydraulic four-wheel drive (9A) ensures a perfect grip during acceleration and deceleration on the track. The machine operates up to a maximum slope of 60 per mille. The rail conversion also has an automatic leveling device, so that work can be done safely even from tracks with a large tilt up to 200mm.

The telehandler makes it possible to use a number of different work platforms. The machine has an integrated, adjustable height and swivel limit. Additionally, it uses the original RCI so that other original Manitou tools can be added to the machine. With a cloud module, it is possible to access the software of the machine from anywhere to perform service, updates and check notifications about the status of the vehicle.

Controls can be easily switched from the cab to the work platform. From the safety cage, it is possible to have the machine go up to ten kilometres per hour. In working mode, the speed of the machine is limited to five kilometres per hour.



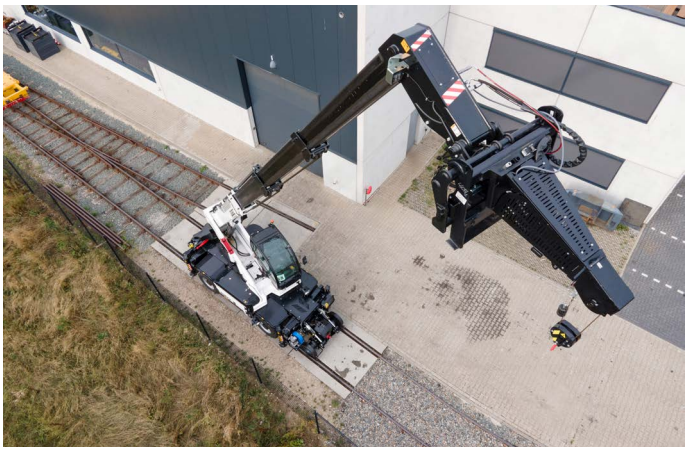




SPECIFICATIONS AND OPTIONS

Technical specifications

• Max. rail speed	19 km/h
• Max. road speed	30 km/h
• Speed during work	1-2 km/h
• Lifting height	14/ 16/ 18 m
• Track	1435 mm / 1485
• Track wheels	640 mm UIC - MIX - C
• Empty weight	20t
• Max. weight	24t
• Trailer load	25t
• Brakes	hydraulic
• Lifting capacity	4 - 7,5t
• Track profile	G1-G2 (standard) Prepared for multigauge
• Swivel axle	250 mm
• Max. incline	work mode 3° or 6%
• Max. superelevation	transport 8°/200 mm
• Max. superelevation	work mode 3°
• Max. superelevation	work & transport: 3°
• Max. wind speed	12,5 m/s
• Number of persons	2
• Type approval	EN 15746 1-2 & EN 280







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

• Fork carriage	4000 - 7500 kg
• Rotating forks	2000 kg
• Hoisting winch	2000 kg
• Hoisting jib	1200 - 4500 kg
• Aerial working platform with jib	300 kg
• PSE4400 working platform	850 kg



AERIAL PLATFORMS

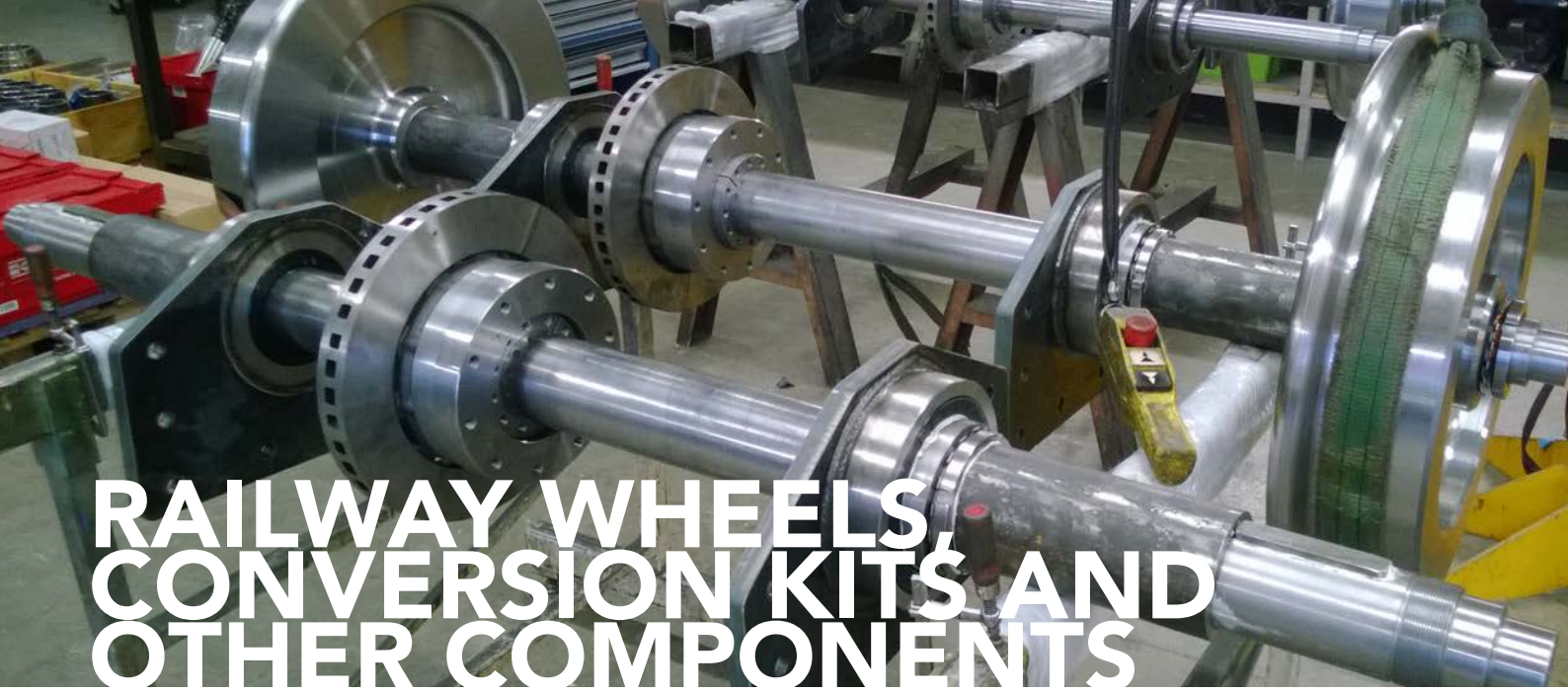
DESCRIPTION

Aerial lift

This aerial lift is suitable for use by 2 people or 250 kg. The aerial lift arm is easy to connect to the quick change system. Operation is protected by cat. 3 load monitoring. Assembly with an AMT railway system is designed according EN280.







RAILWAY WHEELS, CONVERSION KITS AND OTHER COMPONENTS

DESCRIPTION

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. In addition, we are ISO 9001 and EN15085-2 CL1 certified. This means that our quality is guaranteed and that we design and manufacture according to these standards.

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.

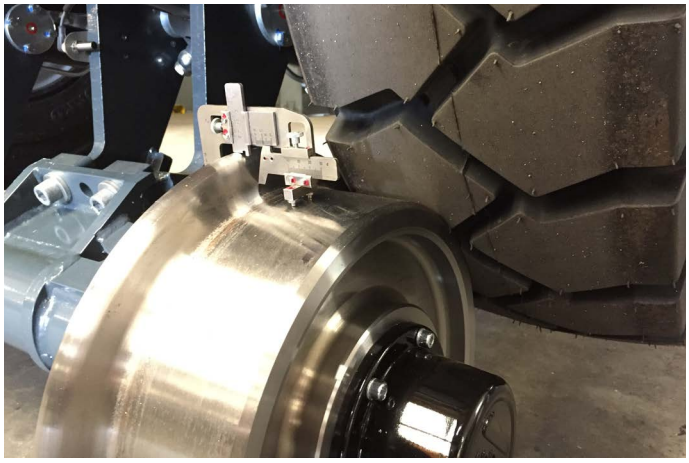
All our finished products have one thing in common: they are custom-built.

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 point of contact for any question.

After delivery, we offer you the service you can expect from us, such as (preventive) maintenance, fast delivery of spare parts and emergency repairs on location.

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





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