



RAIL/ROAD VEHICLES

RAILTRAILERS

SPECIALS

MACHINE COMPONENTS



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## INTRODUCTION

AMT Group is a modern production company working for customers in industry and infrastructure. Our team of over 40 skilled, enthusiastic professionals produce high-quality products using state-of-the-art technology. Each and every product meets our customer's specific wishes and high expectations of the market.

The group has four divisions, each with its own specialism:

- AMT Rail Road
- AMT Machinebouw
- AMT Metaaltechniek
- AMT ShopSystems

These companies work together extensively and synergistically, so that our customers can count on the AMT Group as the 'one-stop shop' for all their technical needs. The AMT Group manufactures a wide variety of products.

AMT Rail Road develops, manufactures and delivers unique tools for on and around tracks. The machines are developed together with you and built to your specifications, requirements and stated legislation and regulations. Machines such as road-rail vehicles (small crane trolleys and dumpers), trailers and the Transformer can be used on various track gauges, and fitted with braking systems and other options. Our standard products are presented in this catalogue. AMT Machinebouw builds complete machines and production installations and delivers them turnkey. AMT Metaaltechniek processes various types of materials in quantities ranging from a single machined part to mass production. AMT ShopSystems produces shop furnishings, display units, and point of sale (POS) materials.

AMT Group works for numerous companies operating regionally, nationally, and internationally. We focus on producing and delivering flawless products and we place great importance on the quality of the customer relationship and our after-sales service.

For more information about our services and/or products or if you have any questions, please contact us on +31 (0)76 501 59 12 or [info@amtgroup.nl](mailto:info@amtgroup.nl)

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# RAILTRAILERS

## DESCRIPTION

AMT railtrailers 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 unladen weight allows for optimal use of the capacity. The robust frame, heavy-duty bearings, and reliable brakes ensure minimum maintenance requirements.

All railtrailers have been designed in compliance with the European legal requirements set out in NEN EN 15954. The construction of any wagon is in accordance with applicable national guidelines. (such as TCVT, Infrabel, TSA, BAV, EBA & DB).

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

Our railtrailers come standard equipped with various lifting and hauling eyes, a towing bar, Braking/ Lampbrackets, Twistlocks and an aluminium 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

- 6 x 2.45 m of 5 x 2 m
- Twistlockconnectors (20" or acc. spec)
- Fail safe brakesystem (air or hydraulic till 60 %)

### Proposed use

- Flat with run holes for materials
- Lowloader for high transportcontainer
- Machine transport with ramps and outriggers.
- Standard Container 20" Twist Lock
- ACTS containers on rotating system
- 1 to 3-side dumpers
- Containers with conveyersystems
- Dry concreetmix installations
- Persontransport
- Pebble distribution units

### Additional options

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

Wheeldiameter	Height	Max total weight
410 mm	500 mm	20,000 kg
530 mm	560 mm	25,000 kg
560 mm	640 mm	29,000 kg





# SELFPROPELLED 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

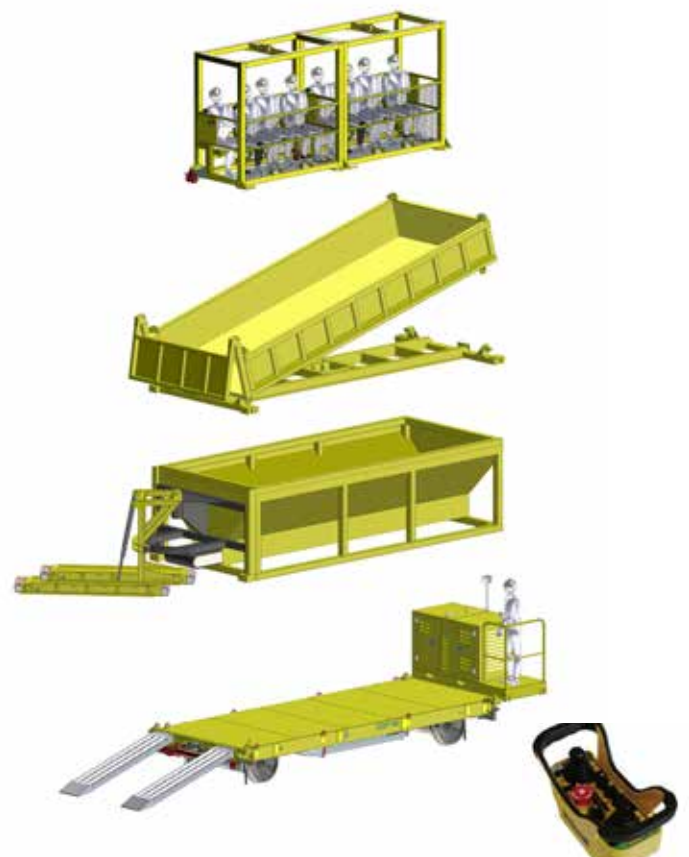
### Basic

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

### Options

- HPU up to 129 kW
- 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





# SEFA MODULAR AIRTRAILER

## DESCRIPTION

Together with our Swiss Partner Ramorailso AG, AMT developed a special railtrailer 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 till 12 x 2.8 Metres and a payload till 45 Tonne) Fully approved air brake system.

Advantage of this design is, that you can use your roadvehicles in original state. With the maximum payload on the road.

## SPECIFICATIONS & OPTIONS

- 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 rail axles

<b>Wheel diameter</b>	<b>Floor height</b>	<b>Max. total weight</b>
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650 mm	700 mm	59,000 kg
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# MIDI RAIL EXCAVATORS

## DESCRIPTION

CASE's versatile CX75 & CX145 crawler excavators are equipped with a permanently mounted, hydraulically driven track system for metre, standard, or tram gauge.

Four-wheel drive and brakes make it capable of operating at a maximum railway speed of 20 km/h and grades of up to 60%.

The front of the machine has a swing axle that can be switched automatically and manually.

The rail axles can be lifted and lowered independently via the 4.3" display. The current status of the rail system and the camera system are also displayed on the screen.







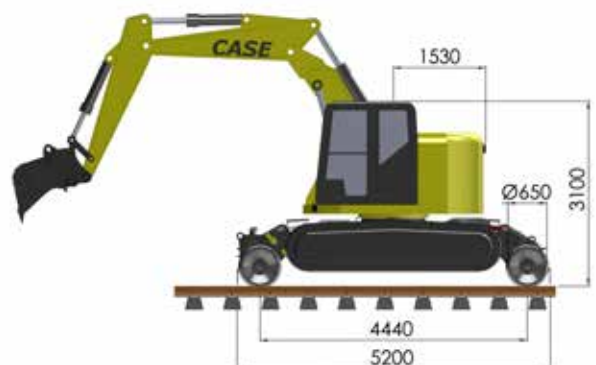
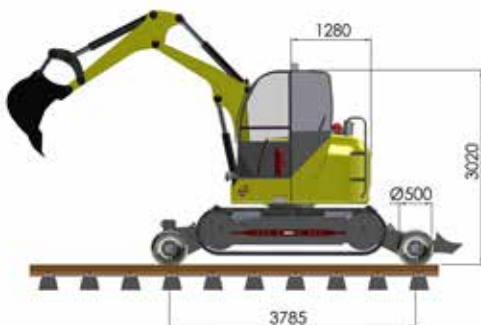
## SPECIFICATIONS AND OPTIONS

### Basis

- Short swing radius <1570 mm
- Load moment protection
- 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

- Pneumatic or hydraulic brake system for rail trailers
- Extension boom
- Overpressure cab
- Emergency descent system > 60 ‰





# RAILEXCAVATORS

## DESCRIPTION

Van Tetering railsystems are available on an Atlas TW160 or 180 base.

Extremely stable and robust rail system according to EN15746 permanently mounted with optional quick-change system for narrow, standard, and tram gauge.

The front axle can swing and be locked with stabilizer cylinders.

The rail axles can be lifted and lowered independently. The current status of the rail system and the camera system are also displayed on the screen.

The metre, standard, or tram gauge is driven by means of the Solex principle (tyre-wheel). It is also possible to fit the machine with 4 hydraulic drive motors and additional braking.

A proven combination of Van Tetering and Atlas provides a reliable, robust machine. Low maintenance costs and good service.





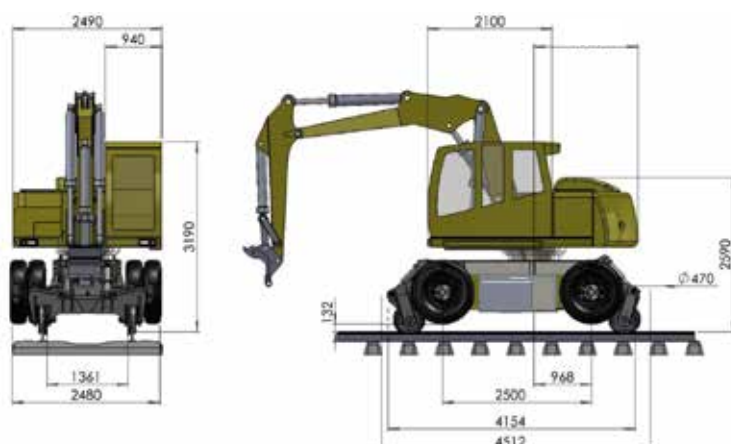
## SPECIFICATIONS AND OPTIONS

### Basic

- Short swing radius
- All cylinders are fitted with position monitoring and protective covers
- Possibility of high and low rider position
- Front and rear equipped with a Trailer coupling
- Centralized lubrication in lower and upper structure
- Automatic track lighting
- 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 40 ‰ incline and 80 metre radius

### Options

- RCI System
- Hydraulic drive
- Quick-change system
- Outriggers
- Pneumatic or hydraulic brake system for rail trailers
- Extension boom
- Aerial platforms
- Overpressure cabs
- All cylinders are equipped with position monitoring and protective guards





# RAILWAY DUMPERS

## DESCRIPTION

The AMT railway dumpers combine performance and safety for maximum efficiency.

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

The rail axles can be lifted and lowered independently via the 5" or 7" display. The current security functions of the track layout and the camera are also displayed on the screen. Putting the machine on track in less than 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 railconversion is constructed according to EN15746 and can therefore be used on decommissioned railway tracks. Assembly overlaps national guidelines such as TCVT, Infrabel, BAV, DB.





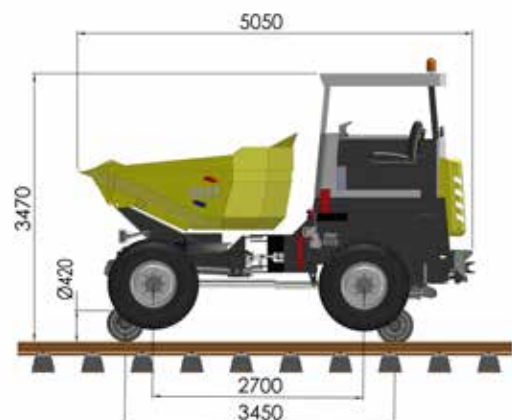
## SPECIFICATIONS AND OPTIONS

### Base

- Bergmann 2060 or 2090+
- 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 drive
- Pneumatic or hydraulic brake system for rail trailers
- Enclosed cab





# AMT RAIL QUAD

## DESCRIPTION

MT railroad ATV's are designed to make working on and around the track more efficient and easier.

ATV's are used 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 suited for 2 persons and small loads. Easy access, and ready for action on the rail in less than a minute. Hydraulic powered rail axles and electrical safety display.

Because of the low own 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 railroad ATV's are designed in accordance with the European legal requirements set out in NEN EN 15746.

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





## SPECIFICATIONS AND OPTIONS

### Basic

- speed limitation at 20 km / h,
- LED lighting and optional work lighting,
- electronic monitoring on railwheels,
- maximum traction (in combination with AWD)
- applicable in almost every profile trackprofile,
- no rubber in contact with track,
- no interfering with the infrastructure,
- maximum traction (in combination with AWD).

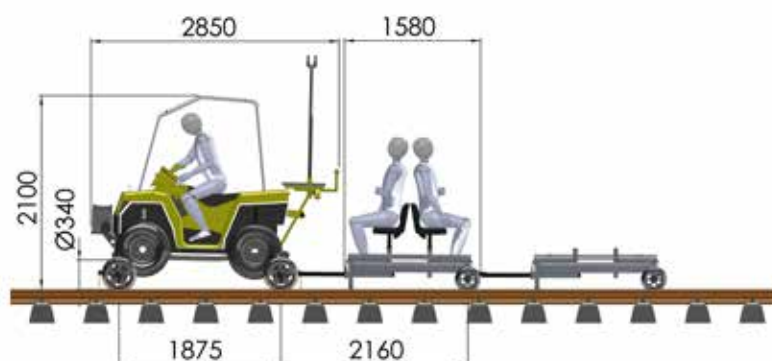
- to be transported in a van or trailer,

### Proposed use

- passenger transport (up to 6 people),
- inspections and measurements,
- minor maintenance
- as rescue/ emergency system

### Advantages

- Flexible
- Low purchase costs,
- Low maintenance costs,
- Low fuel consumption (1:15),
- Low emissions.





# MANIRAIL

## 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 MANIRAIL 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 at a later stage. 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. During maintenance work, the speed of the machine is limited to five kilometres per hour.

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

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



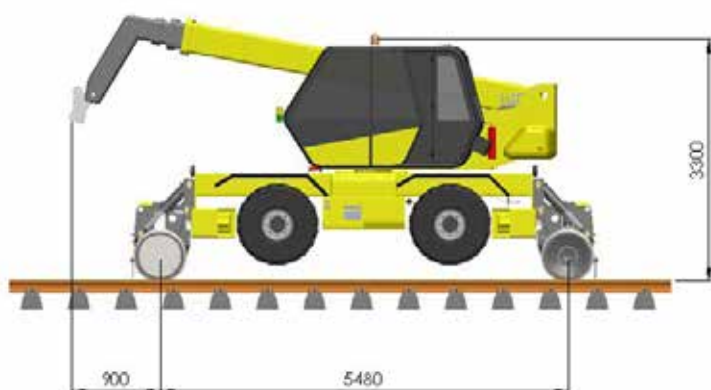




## SPECIFICATIONS AND OPTIONS

### 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 4t
- Clearance profile G1-G2 (op aanvraag)
- Pendulum 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 NEN-EN 15746 1-2 & NEN-EN 280



# LIFTS AND RAILROAD WORK 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 the Atlas TW160 rail excavator is in accordance with EN280.

### Nyftilift (New)

This hybrid articulated arm lift has a 15 metre arm and is suitable for 2 people or 225 kg. The maximum speed on the track is almost 20 km/h.

The compact, lightweight construction of the HR 4x4 offers maximum strength and usability. Innovations such as SiOPS®, Tough Cage, and Hybrid Technology give Niftylift a significant advantage in safety and environmental friendliness. The machine can also operate on the electric motor alone. This makes this platform ideal for use indoors as well as in location where silence is required.

### Eurotrailer

A trailer so light (1500 kg) that it can be transported behind a personal vehicle and yet so versatile that you can even use it as an on-track platform. That is the RWH-120. The trailer can be railed by 1 person and is suitable for 1 person in the working platform. Worldwide patent.





# RAILWHEELS, CONVERSION KITS AND OTHER MACHINE 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.

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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