

**2025**

**PRODUCT CATALOGUE**

**LOADING SYSTEMS**



*The detail that will change your logistics*

## TECHNICAL SUPPORT HIGH QUALITY PRODUCT CUSTOMISATION



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# Table of contents

<b>About Us</b>	<b>3-8</b>
<b>Dock levellers</b>	<b>9-34</b>
AMTRK-PRO swing lip dock leveller	11-16
AMTRV-PRO telescopic dock leveller	17-22
AMTRV-CD telescopic dock leveller with variable load capacity	23-28
AMTRV-ESS telescopic dock leveller with energy saving system	29-34
<b>Shelters</b>	<b>35-40</b>
AMTR-U standard shelter	37-38
AMTR-P inflatable shelter	39-40
<b>Loading platforms</b>	<b>41-46</b>
AMTR-MR Mechanical Dock Leveler with Tilted Ramp	43
AMTR-I Loading platform mechanical bridge	44
AMTR-J Loading plate mechanical bridge	45-46
<b>Loading houses</b>	<b>47-52</b>
AMTR-D Modular loading house	49-50
AMTRD-ESS Modular loading house	51-52
<b>Accessories for docks and loading houses</b>	<b>53-64</b>
Wheel Guides	55-56
Dock bumpers	57-59
Steel bollards	60-62
Wheel chock	63-64
<b>Signaling and Docking System</b>	<b>65-70</b>
Dock lamp	67
Proximity Docking System	68-70

## Analysis

A comprehensive analysis is essential at every stage of customer interaction, from design through production to implementation. Over the years, we have assembled a team of professionals dedicated to ensuring every detail of our solutions is meticulously handled.

## Materials

The materials used in the manufacturing of our products are of the highest quality. We carefully select components and semifinished products to ensure the extended durability and reliability of our solutions. Every element of our docks is proudly manufactured in Poland and undergoes rigorous inspections at every stage of the production process.

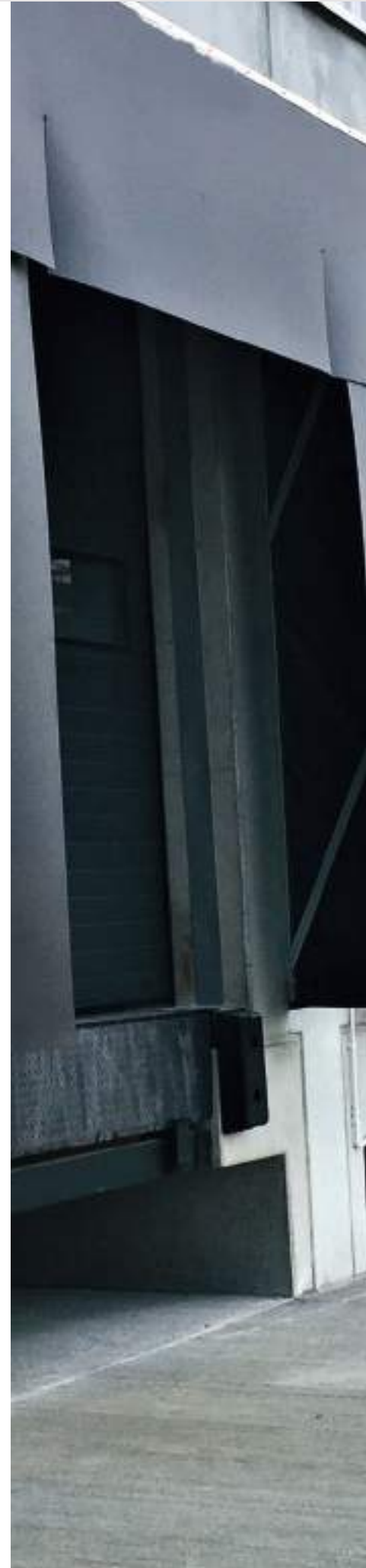
## Technology

Technology you can trust. We operate using innovative solutions and established standards. Our company has implemented the ISO 9001:2015 Quality Management System, guaranteeing efficient procedures across all departments.

## Development

Continuous development and sustainability.

We leverage innovative solutions and ongoing monitoring of production processes to minimize environmental impact while enhancing operational efficiency. Our focus today is on anticipating the needs and expectations of our customers and society for the products of tomorrow.



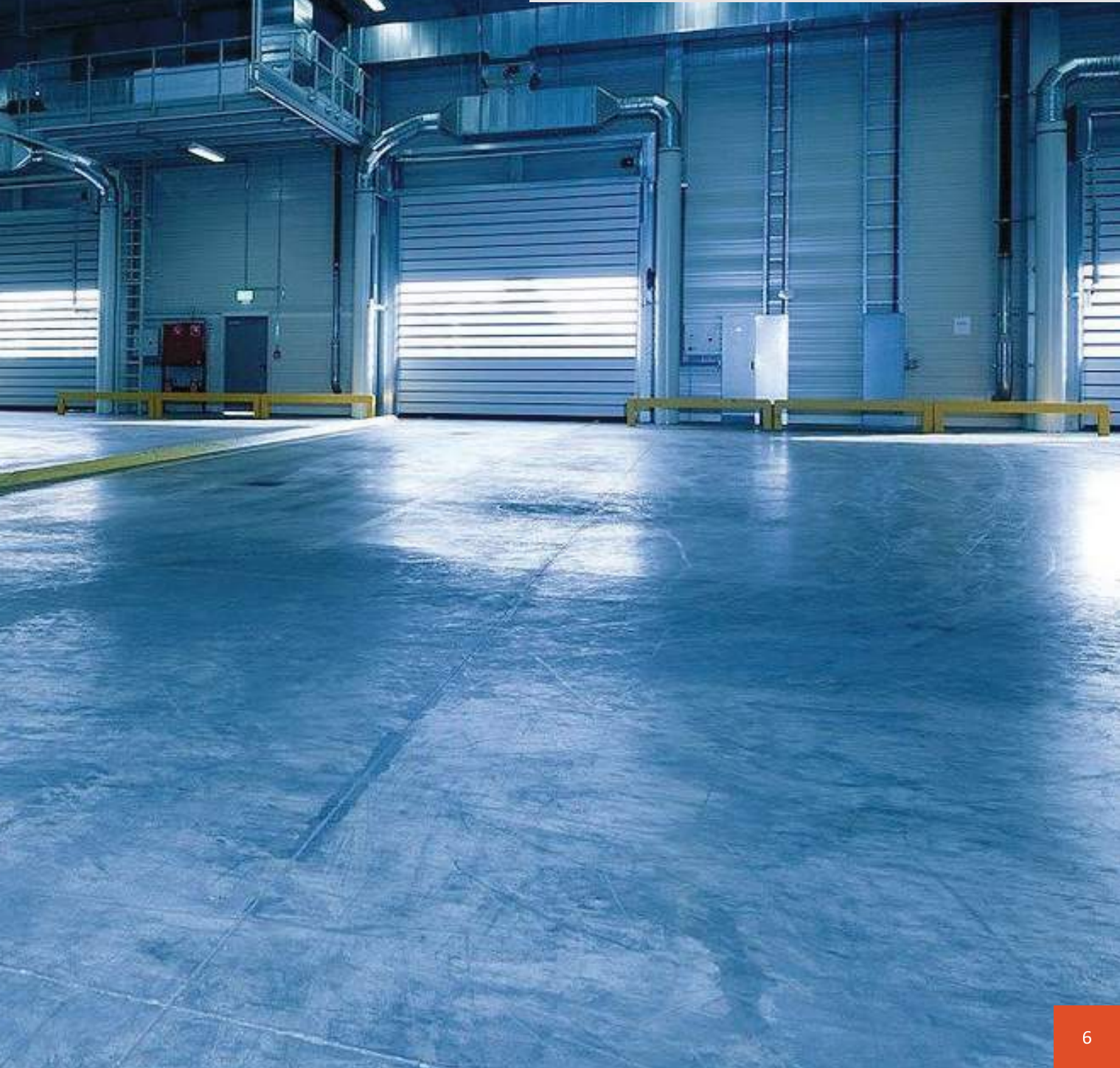




AMTR is a company born out of the need to create high-quality products using Polish components and applying domestic technological expertise. The core of our business is production of dock levellers, loading houses, and accessories, all customized to meet specific needs of our customers.



We are a team with many years of experience, enabling us to select the ideal product for each specific project. We provide our business partners with tailored and detailed offers that meet their unique requirements.





## Why

# AMTR

### Cooperation platform

On our website, you can effortlessly explore our products, place orders, and stay updated on the latest promotions.

### Technical support

Our engineering department will tailor our products to individual implementations and provide expert advice on the best solutions, considering specific industry for which they are designed.

### Efficient execution

All components are manufactured in Poland, ensuring efficient service and short lead times.

### Maximum efficiency

We have implemented an effective system of production and logistics process control, so our customers can rest assured about the quality level of the products they receive.



### **Sales promotion materials**

We provide our business partners with a comprehensive photo database of our offered products, along with detailed information and technical documentation.

### **Marketing support**

We assist our business partners with promotional activities by preparing advertising campaigns, writing product descriptions for websites, and keeping them updated with the latest information.

### **Full documentation**

The products produced in our manufacturing plant are CE certified and accompanied by documents confirming their high quality and workmanship standards.

### **Guaranteed highest quality**

The ISO 9001 certification, in accordance with the PN EN ISO 9001:2015 standard, guarantees high production standards and products of the highest quality.



# AMTR

**Dock levellers  
with swing or  
telescopic lip**



— High quality materials

— Attention to detail

— Safety



# AMTRK-PRO

Swing lip dock leveller



*More information  
on the product*

## Purpose

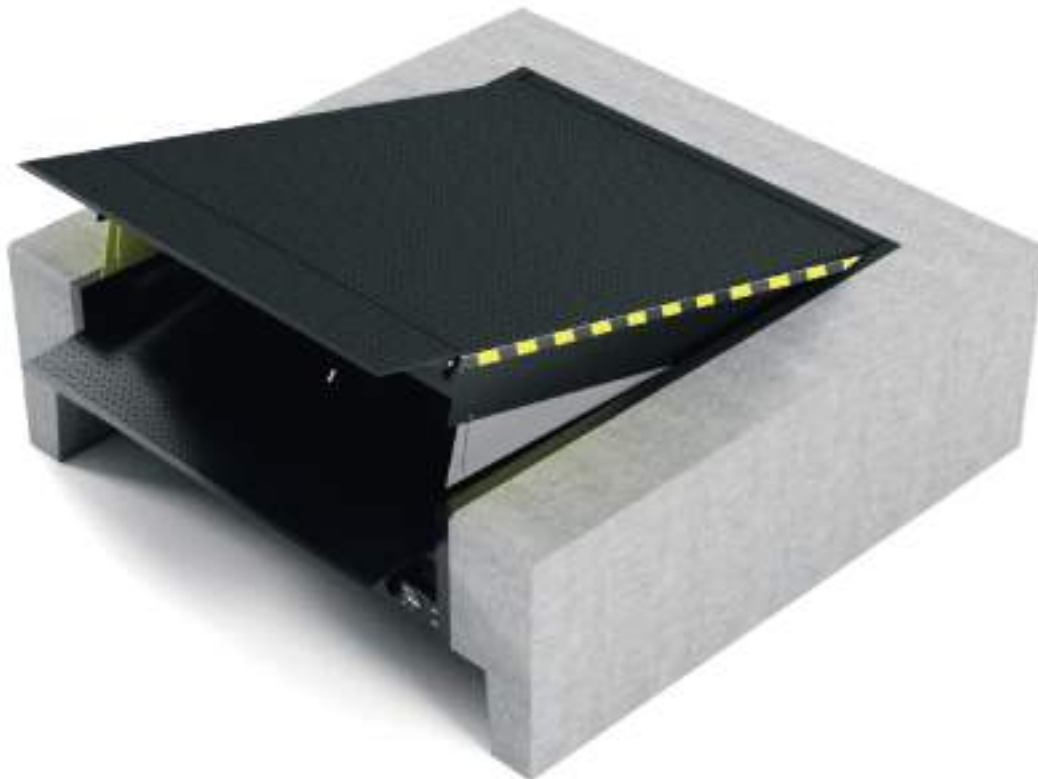
A dock with a swing lip is designed for pallet operations with a forklift for trailer trucks. The dock features a stable hinged lid, ensuring fast and safe operations. It is CE certified and the platform is made from 6/8 mm thick ribbed steel sheet. The platform is integrated into the service support and connected to the ramp frame at the rear with hinges. An anti-slip surface and foot protection along the entire length of the platform guarantee full safety for the user. There are several options for embedding the platform into the foundation.



## Standard technical parameters\*

Use	Loading systems
Nominal lengths	2000, <b>2500</b> , 3000, 3500 mm
Nominal widths	<b>2000</b> , 2250 mm
Construction heights	610 mm
Nominal lip lengths	<b>400</b> , 500 mm
Sheet metal thickness	<b>6/8</b> mm
Nominal load capacity	<b>6</b> , 10, 12 ton ( <b>60</b> , 100, 120 kN)
Standard color	<b>RAL 9005</b> two component resin-based paint

\*The product may be adapted according to customer requirements



### Operating range (acc. to EN 1398)

	AMTRK-PRO			
Nominal length	<b>2000</b>	<b>2500</b>	<b>3000</b>	<b>3500</b>
Operating range up	225	290	350	410
Operating range down	330	350	340	335

## Types of lips

The AMTRK-PRO dock leveller lip is made from highquality, 6/8 mm thick ribbed sheet metal and features a reliable hinge system that operates efficiently, even in heavily soiled conditions. Additionally, the lip is chamfered to a depth of 40 mm, designed to prevent damage to the wheels of loading equipment.

### Straight lip

This standard version is designed to accommodate most types of vehicles with the most common sizes.

**Product Features:**

- ▶ Slip protection
- ▶ Enhanced forklift traction
- ▶ Ergonomic and safe loading process



### Bevelled lip

The symmetrically cut lip facilitates loading and reduces the risk of damage to the docked vehicle.



### Divided lip

This solution consists of the main part and two edge segments, each with a maximum width of 175 mm.



# Hydraulic and electrical systems

- ▶ The actuator system of the leveller consists of a set of cylinders for lifting the platform and swinging the lip
- ▶ The lip is lifted by a separate actuator, powered independently from the hydraulic unit
- ▶ The system features a closed hydraulic circuit and allows for stepless adjustment to the vehicle height during loading
- ▶ The leveller is equipped with standard one-button control (optional automatic or ramp-gate)
- ▶ Control includes protection in the event of a power failure or the use of the emergency switch
- ▶ In case of power failure or emergency switch activation, the leveller is protected from descending, stopping and maintaining its current position
- ▶ It is also possible to integrate the leveller control system with the door control system

Tank capacity	5L dm3
Working pressure	140 bar
Motor power	0,75 kW
Supply voltage	230/400V
Control voltage	24 V DC
Protection type	IP54
Working medium	Mobil DTE 10 Excel 15

## AMTRK-PRO control

### SL100

standard



### Additional options

- ▶ Auto return
- ▶ Gate control
- ▶ Pneumatic shelter control

## Standard features

- ▶ Electrical System: Integrated electrical system for smooth and efficient operation
- ▶ Hydraulic System: Reliable hydraulic system ensuring safe and efficient leveller movement
- ▶ SL100 Control: Simple and intuitive control system for easy operation
- ▶ Straight Lip: A straightforward tilt lip design for efficient loading and unloading
- ▶ Platform Painted RAL 9005: Platform coated with durable RAL 9005

## Additional options

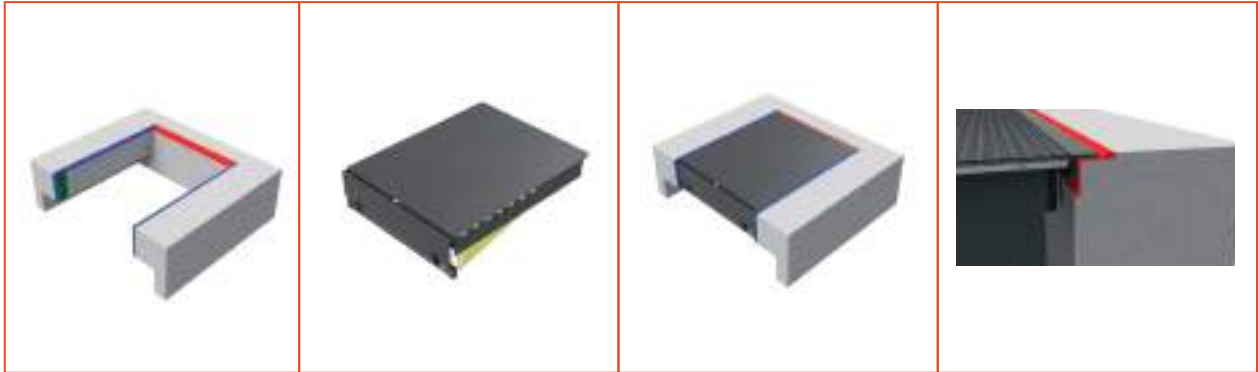
- ▶ Non-standard dimensions
- ▶ Capacities: 60kN, 100kN, 120kN
- ▶ 500 mm long swing lip
- ▶ Anti-slip layer for the leveller's driving surfaces
- ▶ Leveller RAL color according to the customer's specifications
- ▶ Hot-dip galvanization
- ▶ Bevelled or divided lip
- ▶ Thermal and sound insulation
- ▶ Pre-frame: Preliminary frame for preparing the dock for ramp installation

## Safety features

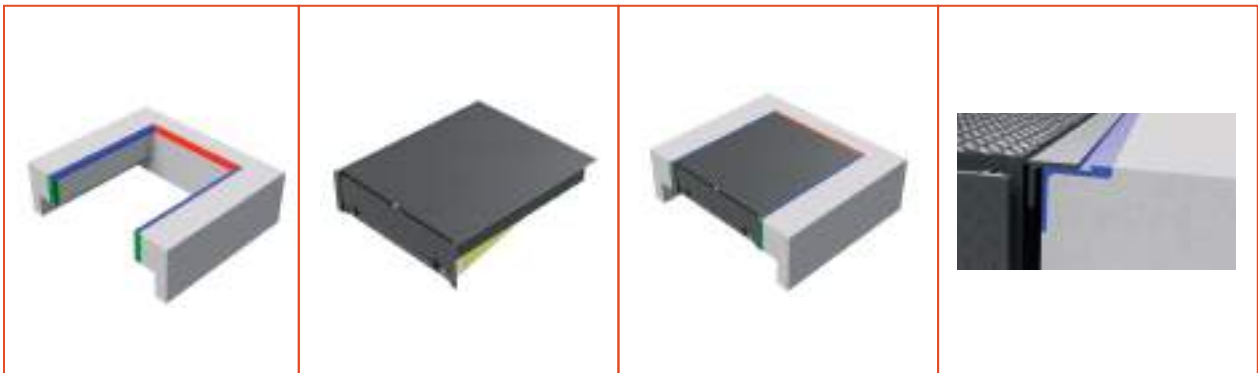
- ▶ Emergency stop – ramp lock in the current position when the power is turned off
- ▶ Foot protection along the entire length of the platform
- ▶ Black and yellow stripes on the side guards

# Dock pit for Leveller Installation

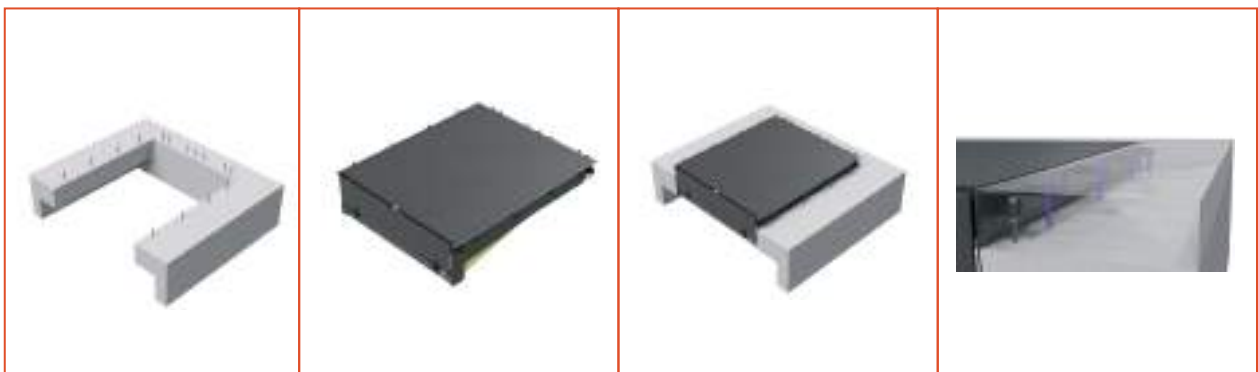
## Standard



## R- Frame



## RS- Frame before concreting



# AMTRV-PRO

Telescopic dock leveller



*More information  
on the product*

## Purpose

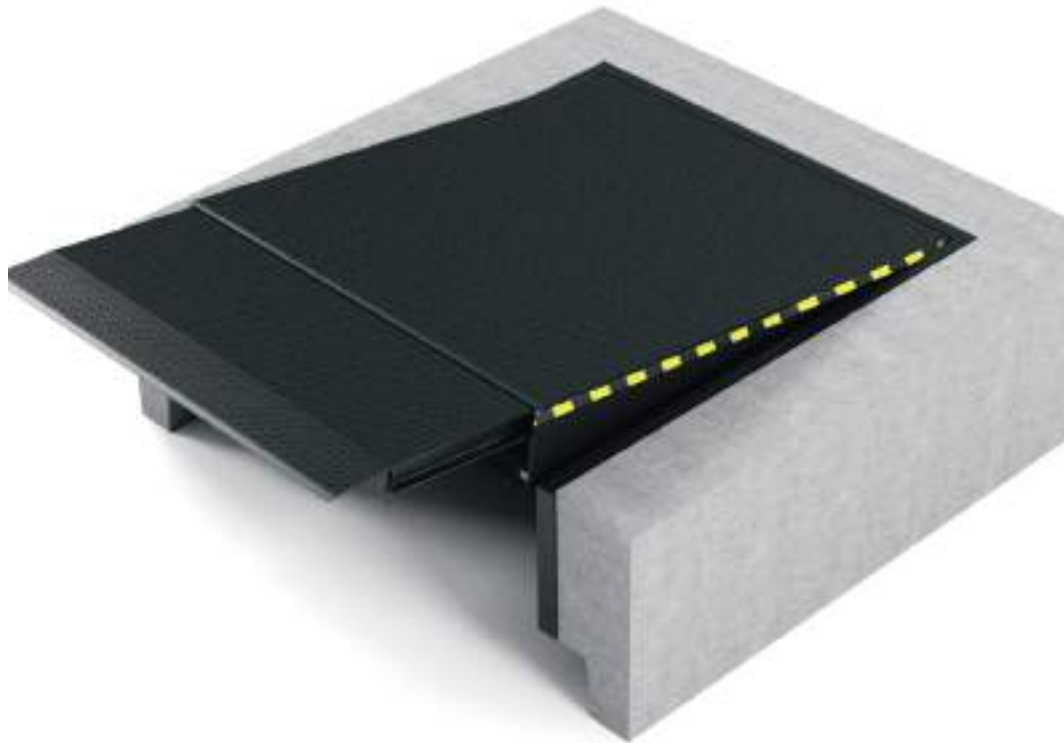
The telescopic lip dock leveller is designed for loading and unloading pallets using a forklift on trailer trucks. Its key feature is a retractable lip guided by bearing rollers. The dock is CE certified, ensuring compliance with European safety standards. The platform is constructed from 8/10 mm thick ribbed steel sheet and is integrated with the service support, connected to the rear of the leveller frame with hinges. An anti-slip surface and foot protection along the entire length of the platform ensure full safety for users. Various methods of placing bridges in the foundation are available.



## Standard technical parameters\*

Application	Loading systems
Nominal lengths	2000, <b>2500</b> , 3000, 3500, mm
Nominal widths	<b>2000</b> , 2250 mm
Construction heights	710 mm
Nominal lip lengths	<b>500</b> , 1000 mm
Sheet metal thickness	<b>8/10</b> mm
Nominal load capacity	<b>6</b> , 10, 12 ton ( <b>60</b> , 100, 120 kN)
Standard color	<b>RAL 9005</b> two component resin-based paint

\*The product may be adapted according to customer requirements



Operating range (acc. to PN EN 1398)								
	AMTRV-PRO (lip 500)				AMTRV-PRO (lip 1000)			
Nominal length	2000	2500	3000	3500	2000	2500	3000	3500
Operating range up	250	280	235	210	-	335	275	245
Operating range down	345	410	390	365	-	470	440	405

The maximum platform inclination according to EN 1398 is 12.5%.

## Types of telescopic lips

The AMTRV PRO platform lip is made of high quality 12/14 mm thick checker steel sheet, equipped with a robust, reliable and maintenance free extending mechanism.

### Straight lip

This standard version is designed to fit most types of vehicles with the most common sizes.

**Product features:**

- ▶ Slip protection
- ▶ Improved forklift traction
- ▶ Ergonomic and safe loading process



### Bevelled lip

The symmetrically cut lip facilitates loading and reduces the risk of damage to the docked vehicle.



# Hydraulic and electrical systems

- ▶ Drive system: consists of a set of cylinders for lifting the platform and extending the lip
- ▶ The system features a closed hydraulic circuit
- ▶ The lip is extended with a separate cylinder separately powered from the hydraulic unit
- ▶ Stepless adjustment to the vehicle height during loading, one-button control
- ▶ The platform is protected against dropping down and will stop in its current position
- ▶ The leveller control system can be integrated with the door control system
- ▶ Control includes protection in the event of a power failure or the use of the emergency switch
- ▶ In case of power failure or emergency switch activation, the leveller is protected from descending, stopping and maintaining its current position

Tank capacity	5L dm3
Working pressure	150 bar
Motor power	1,5 kW
Supply voltage	230/400V
Control voltage	24 V
Protection type	IP54
Working medium	Mobil DTE 10 Excel 15

## AMTRV-PRO CONTROL

### TL201

auto-return



#### Additional options

- ▶ Gate control
- ▶ Pneumatic shelter control

## Standard features

- ▶ Electrical System: Integrated electrical system for smooth and efficient operation
- ▶ Hydraulic System: Reliable hydraulic system ensuring safe and efficient leveller movement
- ▶ TL201 Control: Simple auto-return, intuitive control system for easy operation
- ▶ Straight Lip: A straightforward tilt lip design for efficient loading and unloading
- ▶ Platform coated with durable RAL 9005

## Additional options

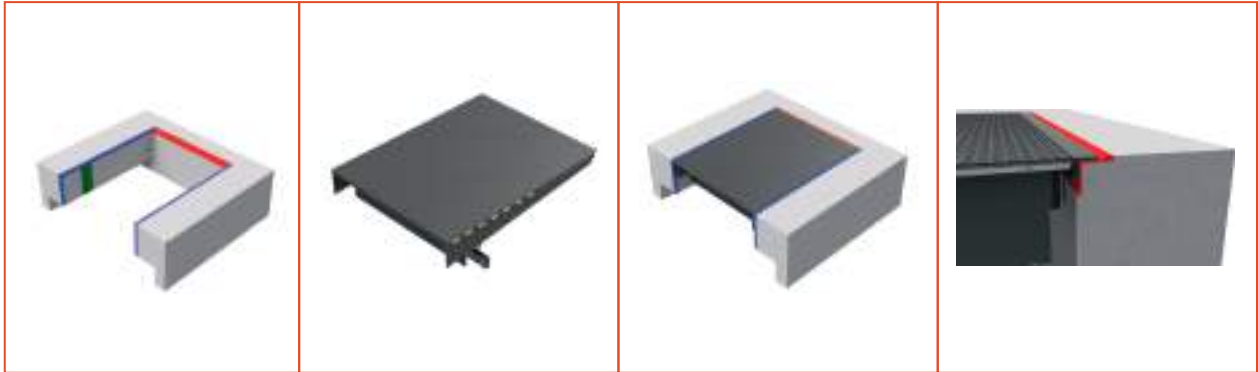
- ▶ Non-standard dimensions
- ▶ Capacities: 60kN, 100kN, 120kN
- ▶ 1000 mm long telescopic lip
- ▶ Bevelled or divided lip
- ▶ Anti-slip layer for the leveller's driving surfaces
- ▶ Leveller RAL color according to the customer's specifications
- ▶ Hot-dip galvanization
- ▶ Pre-frame: Preliminary frame for preparing the dock for ramp installation

## Safety features

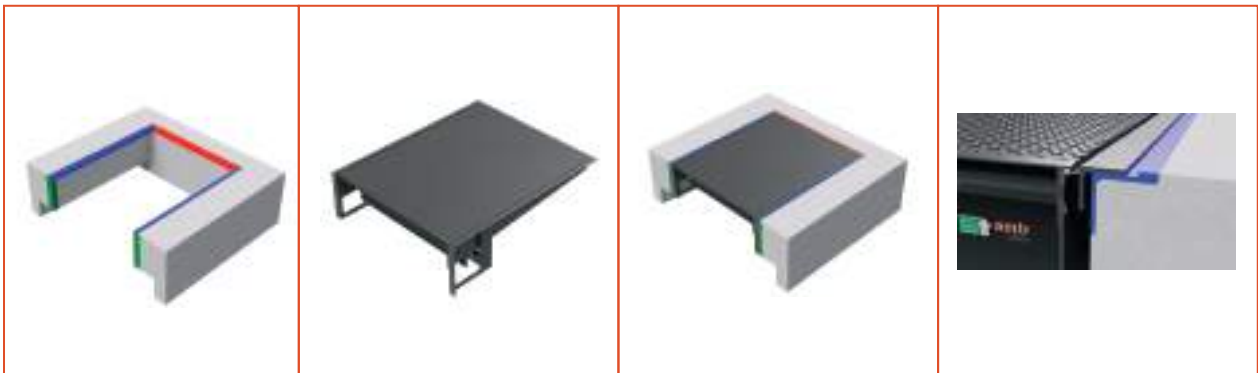
- ▶ Emergency stop – ramp lock in the current position when the power is turned off
- ▶ Foot protection along the entire length of the platform
- ▶ Black and yellow stripes on the side guards

## Dock pit (leveller installation)

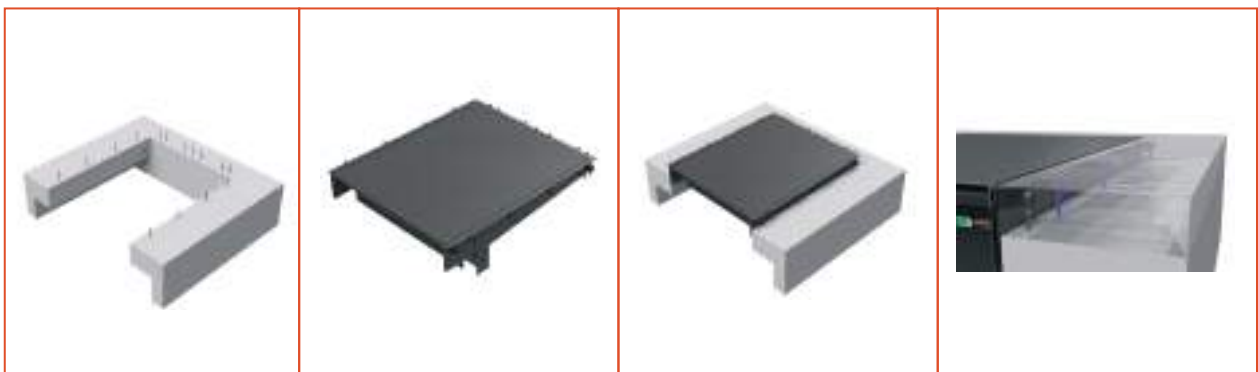
### Standard



### R- Frame



### RS- Frame before concreting



# AMTRV-CD

Hydraulic loading platform  
with variable load capacity



*More information  
on the product*

## Purpose

The hydraulic dock leveler serves to bridge the height difference between the building and the vehicle trailer, ensuring a smooth connection. The CD system is equipped with a telescopic, segmented lip, specifically designed to accommodate a wide range of vehicles with varying designs and cargo area dimensions. The operator can select the appropriate vehicle type and platform mode via the control panel. For vans, with narrower loading areas, the telescopic lip is reduced to 1200 mm, with a load capacity of 20 kN. When the full extension is deployed, the platform's load capacity increases to 60 kN.



## Standard technical parameters\*

Application	Loading systems
Nominal lengths	3000, 3500, 4000 mm
Nominal widths	2000, 2250 mm
Construction heights	800, 850, 900 mm
Nominal lip lengths	1000 mm
Sheet metal thickness	8/10 mm
Load capacity	2/6 ton (20/60 kN)
Standard colors	RAL 9005 two-component resin-based paint

\*The product may be adapted according to customer requirements.

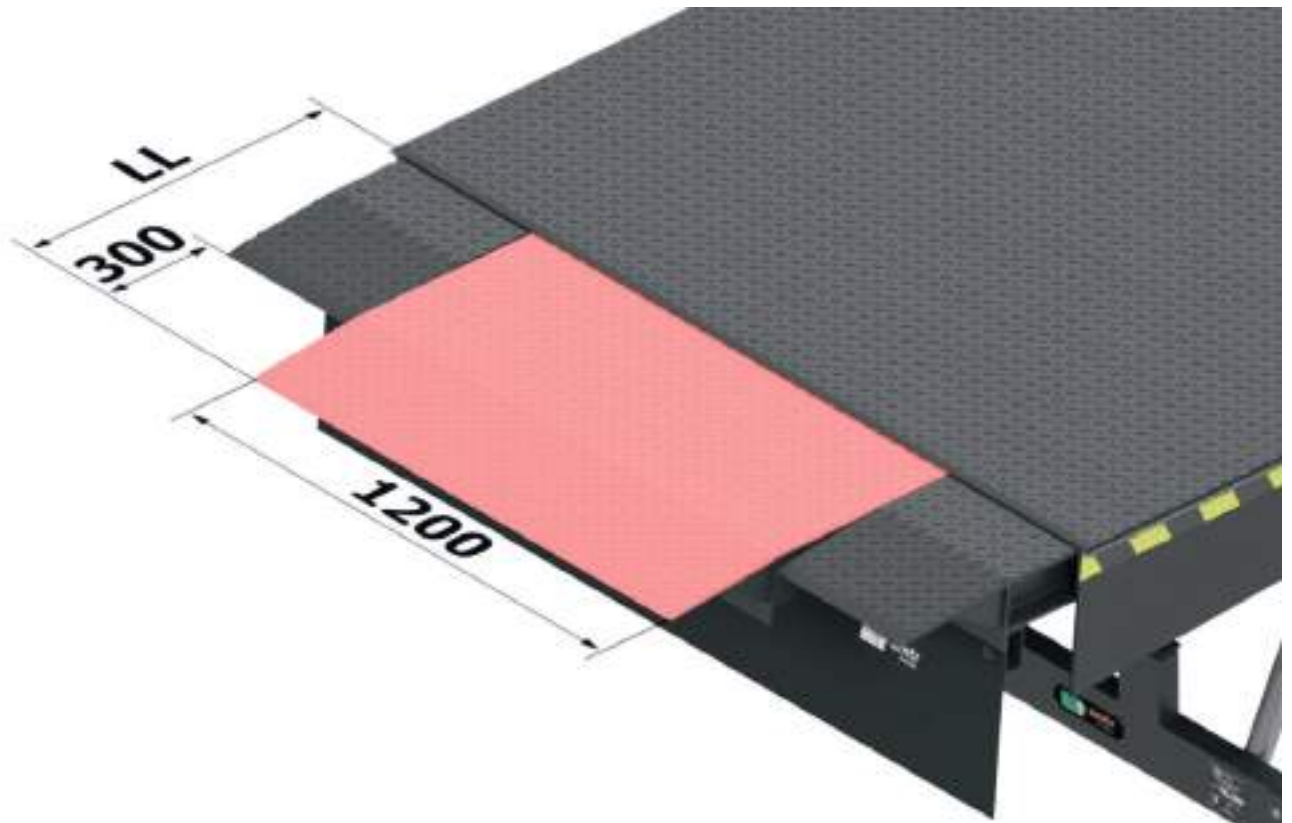


Operating range (acc. to PN EN 1398)			
	AMTRV-CD (lip 1000)		
Nominal length	3000	3500	4000
Construction height	800	850	900
Operating range up	400	440	315
Operating range down	590	590	630

The maximum platform inclination according to EN 1398 is 12.5%.

## AMTRV CD lip

The AMTRV CD dock leveller telescopic lip is made of high quality checker sheet metal 12/14 mm thick and is equipped with a special, durable, dirt resistant, and maintenance free extension mechanism. A system of straight, high durability slides ensures its quiet and trouble free operation. The AMTRV-CD leveller lip has a segmented design, allowing it to operate with vehicles of different types, depending on the mode of operation selected.



# Hydraulic and electrical systems

- ▶ The actuator system comprises a set of cylinders enabling independent extension of the lip's middle section
- ▶ The lip is extended with a separate actuator, independently powered from the hydraulic unit
- ▶ Stepless adjustment to vehicle height during loading
- ▶ Four - button control TL401
- ▶ Intuitive control with a mandatory selection of either 20 kN or 60 kN operating mode, and a button for automatic return
- ▶ The ramp control can be coupled with the door control system
- ▶ Control includes protection in the event of a power failure or the use of the emergency switch
- ▶ In case of power failure or emergency switch activation, the leveller is protected from descending. It will stop, maintaining its current position

Tank capacity	5L dm3
Working pressure	150 bar
Motor power	1,5 kW
Supply voltage	230/400V
Control voltage	24 V
Protection type	IP54
Working medium	Mobil DTE 10 Excel 15

## AMTRV-CD CONTROL

### TL401

auto-return



#### Optional features:

- ▶ Gate control
- ▶ Pneumatic shelter control

## Standard features

- ▶ Electrical system
- ▶ Hydraulic system
- ▶ Control box
- ▶ Triple divided lip
- ▶ Platform painted RAL 9005
- ▶ CE conformity declaration

## Additional options

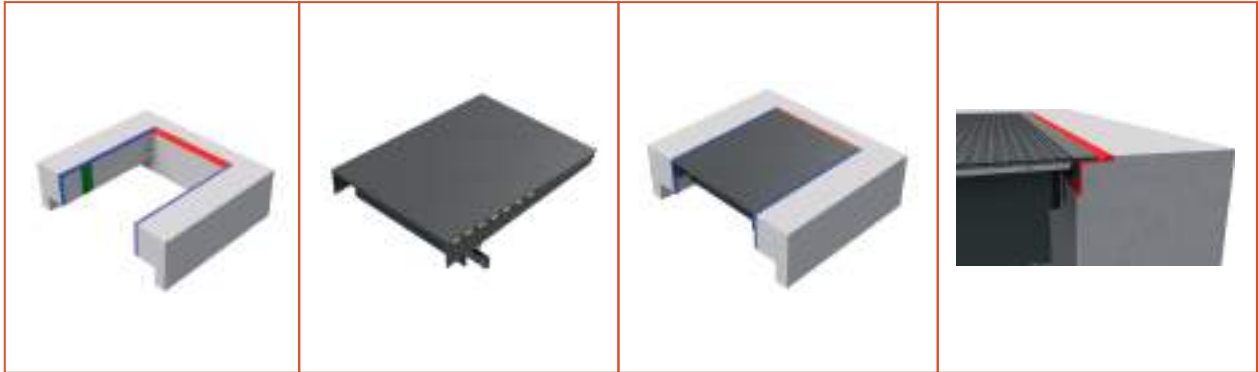
- ▶ Loading platform made in different dimensions
- ▶ Additional anti-slip layer of ramp driving elements
- ▶ Leveller structural elements painted in any RAL color or hot-dip galvanized
- ▶ Powder coating

## Safety features

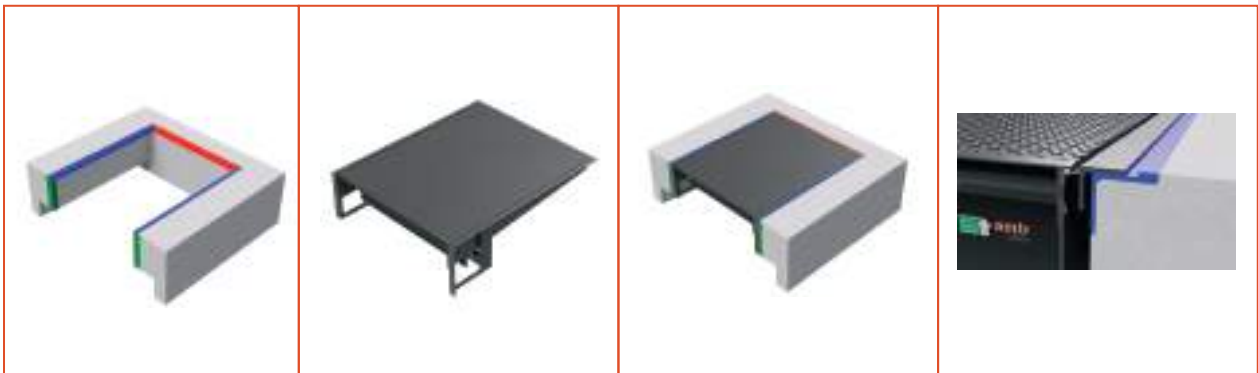
- ▶ Emergency stop – ramp lock in the current position when the power is turned off
- ▶ Foot protection along the entire length of the platform
- ▶ Black and yellow stripes on the side guards

# Dock pit (leveller installation)

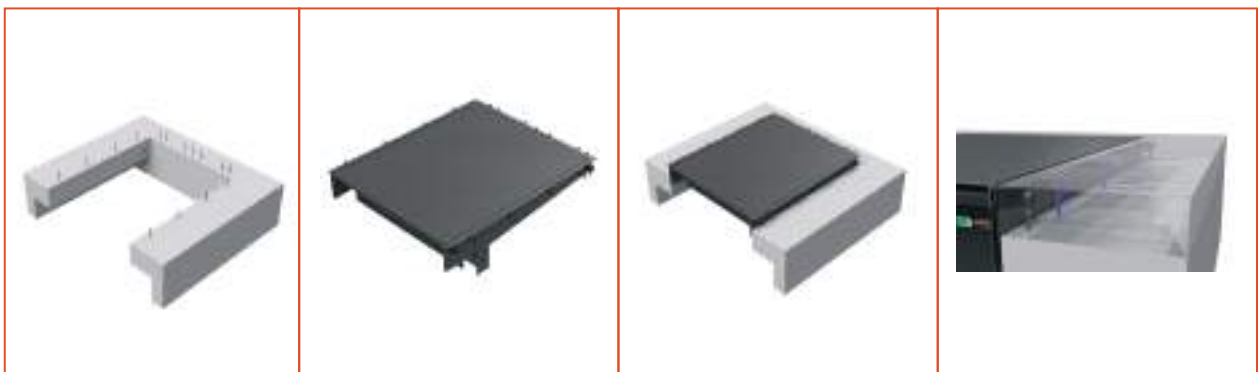
## Standard



## R- Frame



## RS- Frame before concreting



# AMTRV-ESS

Loading docks with energy saving system



*More information  
on the product*

## Purpose

The ESS system offers an optimal safety solution for the docking process, safeguarding the cargo and the driver by eliminating the need to leave the vehicle in front of the dock to access the rear of the trailer to open it.

The main advantage of the system is a significant reduction in costs related to loss of energy needed to heat or cool the warehouses, since the door opens after the vehicle is docked and sealed. The AMTRV ESS dock leveller is not only used for internal loading docks, but also for specially developed external loading houses integrated with gates and seals, ideally suited for use in frozen warehouses. In resting position, the platform is lowered to zero level, allowing the doors of the truck to be opened after docking.



# Standard technical parameters\*

Application	Loading systems
Nominal lengths	2000, <b>2500</b> , 3000, 3500, mm
Nominal widths	<b>2000</b> , 2250 mm
Construction heights	<b>710</b> mm
Nominal lip lengths	<b>500</b> /1000 mm
Sheet metal thickness	<b>8/10</b> mm
Load capacity	<b>6</b> , 10, 12 ton ( <b>60</b> , 100, 120 kN)
Standard colors	<b>RAL 9005</b> two-component resin-based paint

\*The product may be adapted according to customer requirements.



Operating range(acc. to EN 1398)								
	AMTRV-ESS (lip 500)			AMTRV-ESS (lip 1000)				
Nominal length		2500	3000	3500		2500	3000	3500
Operating range up		280	235	210		335	275	245
Operating range down		410	390	365		470	440	405

The maximum platform inclination according to EN 1398 is 12.5%.

## Types of lip

The AMTRV-ESS leveller lip is manufactured from 12 mm (12/14 mm) high quality checker metal sheet with a robust, reliable and maintenance-free extending mechanism. The extension lip of the platform can be made in two different shapes: a straight lip and a diagonal lip.

### Straight lip

This standard version is designed to fit most types of vehicles with the most common sizes.

**Features:**

- ▶ The lip is made of 12 mm sheet metal
- ▶ Anti-slip surface
- ▶ Increased forklift traction
- ▶ Ergonomic and safe loading process



### Bevelled lip

The symmetrically cut lip facilitates loading and reduces the risk of damage to the docked vehicle.



# Hydraulic and electrical systems

- ▶ The actuator system consists of a set of actuators enables the lip to extend independently
- ▶ The lip is extended with a separate actuator, independently powered from the hydraulic unit
- ▶ Closed hydraulic system
- ▶ Stepless adjustment to the vehicle height during loading
- ▶ The intuitive AMTRV-ESS control unit with a push button for auto-return can be combined with a door control unit

Tank capacity	5L dm3
Working pressure	150 bar
Motor power	1,5 kW
Supply voltage	230/400V
Control voltage	24 V
Protection type	IP54
Working medium	Mobil DTE 10 Excel 15

## AMTRV-ESS CONTROL

### TL301

auto - return



#### Optional features:

- ▶ Gate control
- ▶ Pneumatic shelter control

## Standard features

- ▶ Electrical system
- ▶ Hydraulic system
- ▶ Control box
- ▶ Triple divided lip
- ▶ Platform painted RAL 9005
- ▶ CE conformity declaration

## Additional options

- ▶ Loading platform made in different dimensions
- ▶ Additional anti-slip layer of ramp driving elements
- ▶ Leveller structural elements painted in any RAL color or hot-dip galvanized
- ▶ Standard or reinforced bumpers with non-standard dimensions to absorb impacts
- ▶ Sealing in the event of an opening for a tail lift truck
- ▶ Powder coating

## Safety devices

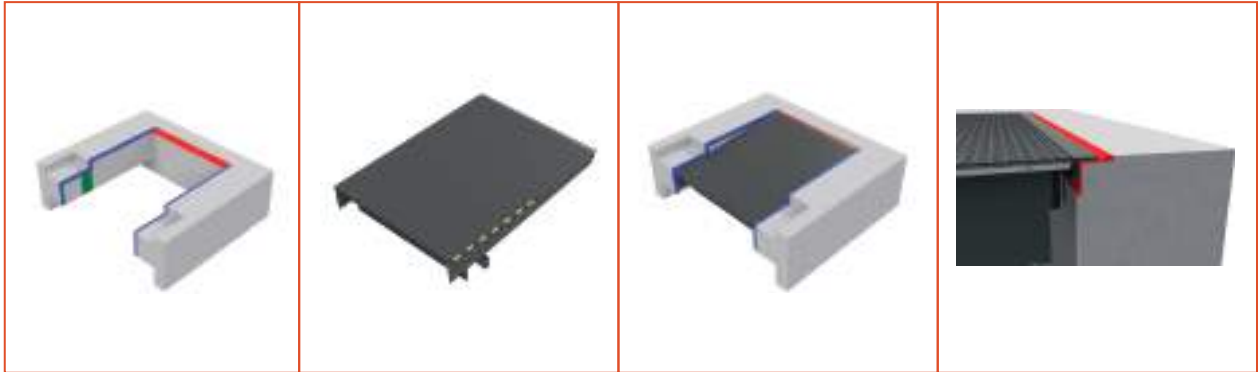
- ▶ Protection in case of power failure or pressing of the emergency button (the platform will stop in its current position)
- ▶ Black and yellow side marking of dangerous places
- ▶ Foot protection along the entire length of the platform

## Dock frame system

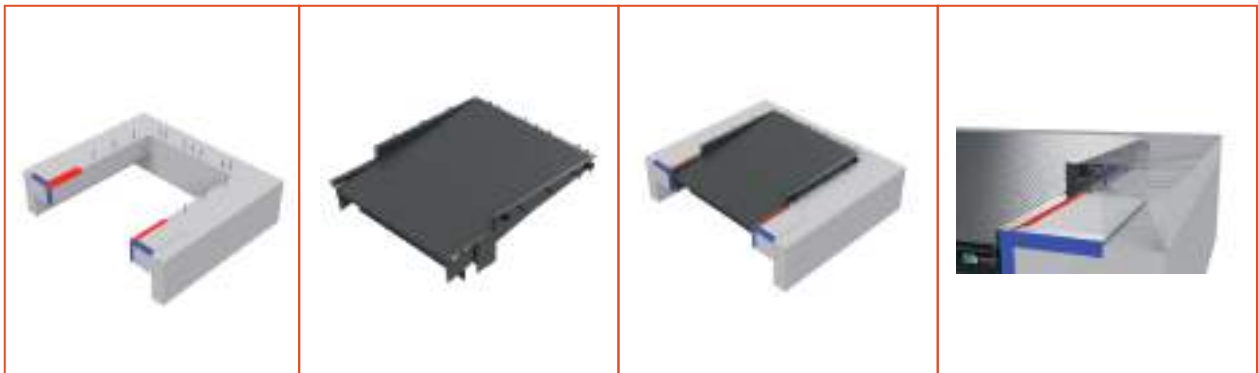
The main function of the dock frame is to connect the platform to the dock. The dock frame is directly cast in concrete.

## Dock pit (leveller installation)

### Standard



### RS- Frame before concreting





# AMTR

## Dock shelters



— Thermal protection

— Easy installation

— Durability

# AMTR-U

## Mechanical shelter



*More information  
on the product*

### Purpose

The AMTR-U mechanical shelter is designed to ensure an effective seal between a truck trailer and the loading bay. By integrating the dock leveller with the loading bay, there is no need for additional protective elements to safeguard loaded goods. The primary function of the shelter is to minimize the impact of adverse weather conditions, enhancing the efficiency of warehouse operations.



## Standard technical parameters\*

Width	3200, <b>3400</b> , 3500 mm
Height	<b>3400</b> , 3500mm
Depth	<b>600</b> mm
Top flap	<b>1000</b> mm
Side flap	<b>600</b> mm
Standard color	<b>RAL 9005</b>

\*The product may be adapted according to customer requirements



## Features

- ▶ Sloped Roof: Equipped with a gutter for efficient water drainage
- ▶ Spring-Loaded Structure: Both roof and side sections are flexible to adapt to pressure
- ▶ Rising Roof Design: The roof structure elevates when pressure is applied from the front
- ▶ Support Frame: Made of lightweight, hot-dip galvanized steel profiles for durability
- ▶ Articulated Frame Connection: A system of two frames connected by four articulated arms and enclosed in a PVC cover to ensure both security and flexibility
- ▶ Edge Protection: Sealing edges reinforced with aluminum profiles
- ▶ Safety Stripes: White warning stripes on the front curtains for enhanced visibility

# AMTR-P

## Pneumatic shelter



*More information  
on the product*

## Purpose

**AMTR-P Inflatable Dock Shelter** The AMTR-P inflatable dock shelter is the most effective and durable solution among all dock shelters. The air cushions, designed in a harmonica-like structure, provide an optimal seal between the vehicle and the building. This type of shelter is particularly suitable for applications with large temperature differences between indoor and outdoor environments, such as air-conditioned or refrigerated warehouses.

## Features

- ▶ **Air Pockets:** Made from polyester interlacing, coated with PVC on both sides for enhanced durability
- ▶ **Protective Belts:** Flexible and highly stable, crafted from 3500 g/m<sup>2</sup> double-layer interlaced polyester
- ▶ **Coating:** The seal is covered with an abrasion-resistant, anti-static, hard PVC coating on both sides
- ▶ **Front Panel:** Manufactured from galvanized steel and finished with a synthetic grey coating (RAL 7042)
- ▶ **Reinforcement Profiles:** Made of anodized aluminum for added strength and corrosion resistance
- ▶ **Safety Consoles:** Equipped with hot-dip galvanized consoles for maximum safety and reliability



## Standard technical parameters

Application	Loading systems
Height	3700 mm
Width	3500 mm
Construction depth	800 mm
Installation height	4700 mm
Cushion material	670 gr/m <sup>2</sup>
Side width of curtains (inflated)	600 mm
Height of top curtain (inflated)	1000 mm
Inflation time	approx. 30 sec.
Deflation time	approx. 40 sec.



## Electrical systems

Efficient One-Button Operation. Both the tubular and blower seal motors are controlled with a single button for simplicity and efficiency. When a truck docks for unloading, the two motors work together to seal the space between the open gate and the vehicle within just 30 seconds.

## Drive mechanism

The upper seal is extended via the shaft of the tube motor. During this process, a blower motor inflates the air pockets, ensuring a secure and airtight seal.

Maximum capacity	610 m <sup>3</sup> /h
Maximum compression	500 Pa
Noise	70 dB
Power consumption	240 W 50 Hz
Rotation speed	2100 [1/min]
Voltage	230 V
Weight	4 kg



# AMTR

## Loading dock plates



— **Mobility work**

— **Comfort**

— **Quick loading**

# AMTR-MR

## Mechanical Dock Leveler with Tilted Ramp



*More information  
on the product*

### Purpose

The mechanical dock leveler is designed as an alternative to hydraulic external ramps for servicing heavy-duty trucks. Thanks to the use of a tilted ramp, there is no need to park the vehicle precisely before starting the loading/unloading process. An additional advantage is the lack of requirement for electrical power supply and minimal interference with the maneuvering area.

### Standard technical parameters\*

Application	Handling systems
Nominal lengths	<b>730</b> mm
Nominal widths	1750, 2000, 2100, 2200 mm
Tilted ramp length	360 mm
Nominal load capacity	60 kN
Platform top sheet	Anti-slip 6/8 mm (DIN 59220)
Tilted ramp sheet	10/12 mm (DIN 59220)
Operating range	-110 mm to +110 mm



\*Bumpers not included in standard configuration – available as optional accessories.

# AMTR-I

## Mechanical dock plate



*More information  
on the product*

### Purpose

The AMTR-I mechanical dock plate is designed for use in all types of industrial facilities where an additional docking system is required. It is primarily recommended for logistics facilities with continuous flow of goods.

### Standard technical parameters\*

Application	Loading systems
Nominal width	1200 - 2600 mm
Nominal length	550 - 650 mm
Sheet metal thickness	6/8 mm
Load capacity	6 kN
Standard colors	galvanised

\*The product may be adapted according to customer requirements



### Features

- ▶ Load Capacity: Designed to withstand a load of 6 kN
- ▶ Manual Operation: The platform is opened and closed using a lever that drives the platform plate
- ▶ Safety Mechanisms: Operation range is restricted by safeguards that protect the bridge plate from damage or breaking
- ▶ Support Structure: A steel angle with a vertical flap is securely fixed to the platform's edge, ensuring stability
- ▶ Corrosion Protection: All steel bridge plates are coated with a hot-dip zinc finish for enhanced durability
- ▶ Custom Finish: The dock plate can be additionally painted in any RAL color upon request

# AMTR-J

## Spring-balanced dock plate



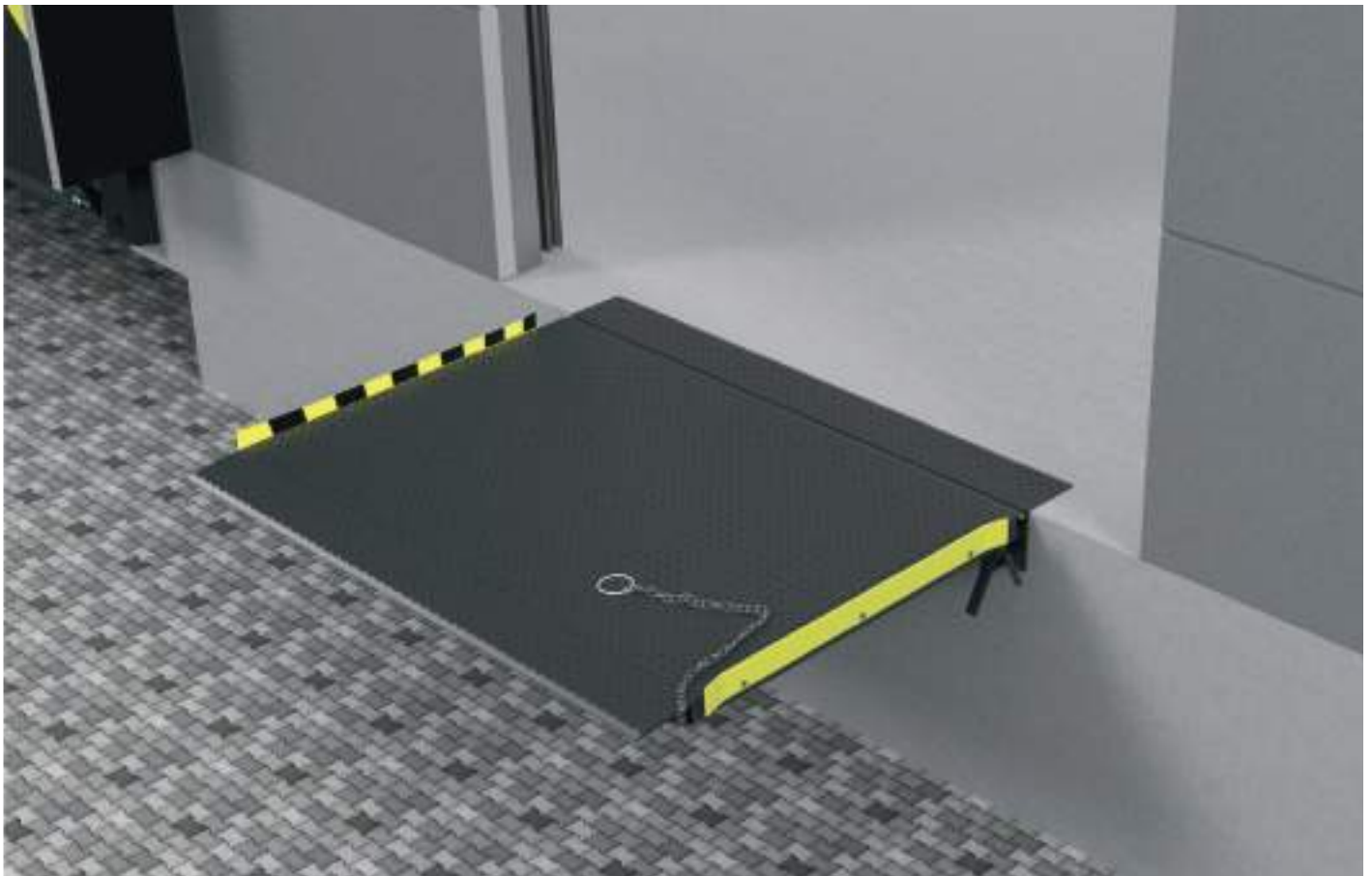
*More information  
on the product*

### Purpose

The AMTR-J spring-balanced dock plate is designed for use in various industrial facilities where additional loading systems are required.

#### Recommended Use:

It is especially suitable for locations where the installation of loading docks is not possible, or where smaller delivery vehicles are unloaded.



## Standard technical parameters\*

Application	Loading systems
Nominal width	1000, 1200, <b>1500</b> , 2000 mm
Nominal length	1000, <b>1200</b> , 1500 mm
Sheet metal thickness	<b>6/8</b> mm
Load capacity	<b>40</b> kN
Standard colors	<b>RAL 9005</b> two-component resin-based paint

\*The product may be adapted according to customer requirements



## Features

- ▶ Platform: The spring-balanced plate is made of 6-8mm steel checker sheet
- ▶ Frame Construction: The ramp's structural frame is made of high-strength steel profiles
- ▶ Operation: The flap is opened and closed by guiding the plate with a lifting element known as a lever
- ▶ Safety Mechanisms: The range of motion is restricted by safety locks, preventing the ramp from being damaged or detached
- ▶ Spring Mechanism: The ramp's weight is balanced by a spring mechanism, allowing for easy operation with minimal energy consumption and preventing rapid descent



# AMTR

**Modular  
loading  
houses**



— **Extra protection**

— **Precision**

— **Ergonomics**

# AMTR-D

## Modular loading houses



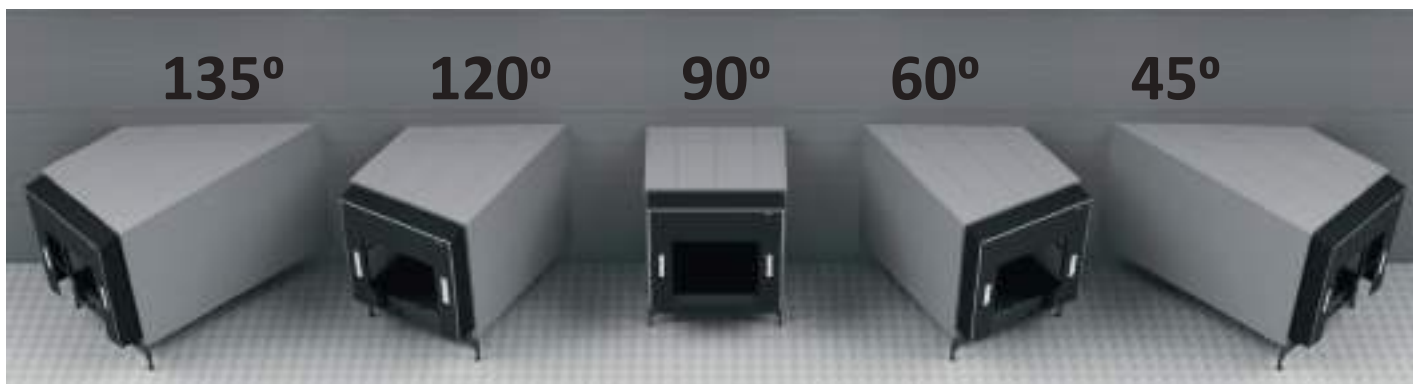
*More information  
on the product*

## Purpose

AMTR-D PRO loading houses provide an economical and ergonomic alternative to traditional loading bays inside warehouses. The structure is assembled by bolting together pre-made components, eliminating the need for welding.

## Features

- ▶ Versatile Compatibility: Suitable for all types of loading bridges and inflatable seals
- ▶ Customization Options: Can be adapted with various thermal insulation types and configured in a series with common structural elements, or installed at an angle to the building for efficient use of space
- ▶ Flexible Application: Ideal for both new developments and modernizing existing facilities. The design also allows for the use of loading platforms when installation within the building is not possible
- ▶ Robust Construction: The loading house consists of a support frame with adjustable feet and a superstructure, featuring two immovable side platforms covered with 6/8 mm checker sheet metal
- ▶ Ease of Installation: Integrated additional brackets enable easy installation of any platform of your choice



## Standard technical parameters\*

Application	Loading systems
Nominal lengths	2000, <b>2500</b> , 3000 mm
Nominal widths	<b>3400</b> , mm
Construction heights	1065 - 1360 mm
Load capacity	<b>6</b> , 10 ton ( <b>60</b> , 100 kN)
Drainage	over the front edge
Maximum wind resistance	(Eurocode 3) 0,84 kN/m <sup>2</sup>
Maximum resistance to snow pressure	(Eurocode 3) 2,00 kN/m <sup>2</sup>
Standard color	<b>RAL 9005</b> two-component resin-based paint

\*The product may be adapted according to customer requirements



## Additional options

- ▶ Customization: The loading house can be tailored to meet the specific needs of the investment
- ▶ Color and Finish: The structure or individual components can be painted in a non-standard RAL color or hot-dip
- ▶ galvanized for added protection
- ▶ Angled Installation: The loading house can be installed at angles of 30°, 45°, 60°, 90°, 120°, 135°, or 150° to suit various building layouts
- ▶ Impact Protection: A full range of regular or reinforced bumpers are available to cushion impacts from docking vehicles
- ▶ Seal Compatibility: The house can be adapted for the installation of either standard or pneumatic seals (W:3500)

# AMTRD-ESS

## Modular loading houses



*More information  
on the product*

### Purpose

The AMTRD-ESS loading houses are an economical and ergonomic alternative to traditional loading bays built inside a warehouse. Their modular structure is assembled by bolting together pre-fabricated components, minimising the need for on-site welding. This universal solution is compatible with all types of dock levellers and dock shelters, and can be adapted to various thermal insulation requirements or combined into a series of loading houses sharing structural elements.

The AMTRD-ESS loading house has been specially developed to integrate with the AMTRV-ESS dock leveller – part of the Energy Saving System – making it an ideal solution for temperature-controlled environments such as cold storage facilities. The construction is tailored to the standard dimensions of the AMTRV-ESS leveller: W: 2000 mm x L: 3000 mm, ensuring a precise fit and optimal performance.

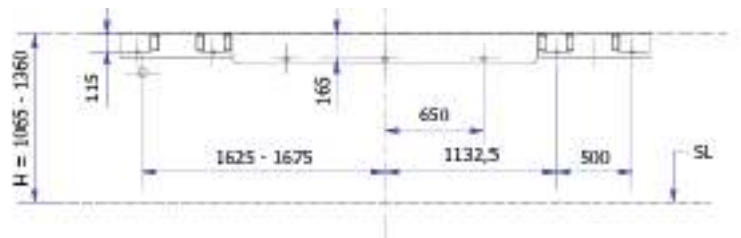
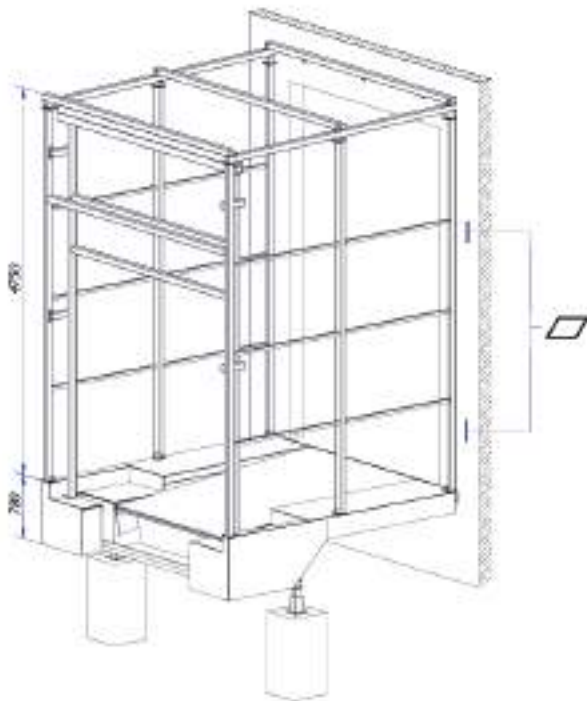
Additionally, the structure includes a pre-configured door frame and is perfectly dimensioned to accommodate our AMTR-P inflatable dock shelter, enabling a complete and highly energy-efficient loading solution. The loading houses are suitable both for equipping new facilities and for modernising existing ones. They are particularly valuable when installing dock levellers inside the building is not feasible. The structure consists of a robust load-bearing frame set on adjustable feet and a prefabricated superstructure. Two fixed side platforms made of corrugated 6/8 sheet metal complete the unit. Integrated mounting brackets simplify the installation of the leveller.



## Standard technical parameters\*

Application	Loading systems
Nominal lengths	<b>3000</b> , mm
Nominal widths	<b>3500</b> , mm
Structural height (bottom structure + upper structure)	1065 - 1360 mm (down) + 4750 (up) mm
Load bearing capacity	<b>6 tons (60 kN)</b>
Step dock height	200 mm
Step dock length	1250 mm
Water discharge	trough the fornt edge
Maximum wind resistance	(Eurocode 3) 0,84 kN/m <sup>2</sup>
Maximum resistance to snow pressure	(Eurocode 3) kN/m <sup>2</sup>
Sheet thickness	6/8 mm
Standard colors	RAL 9005

\*The product may be adapted according to customer requirements



## Additional options

- ▶ The entire structure or individual components can be painted in a non-standard RAL colour or hot-dip galvanized
- ▶ Loadhouse design can be adapted to accommodate a pneumatic shelter
- ▶ Powder coating available upon request



# AMTR

**Accessories  
for levellers  
and docks**



— **Details**

— **Precision**

— **Quick loading**

# AMTR-N

## Wheel Guides



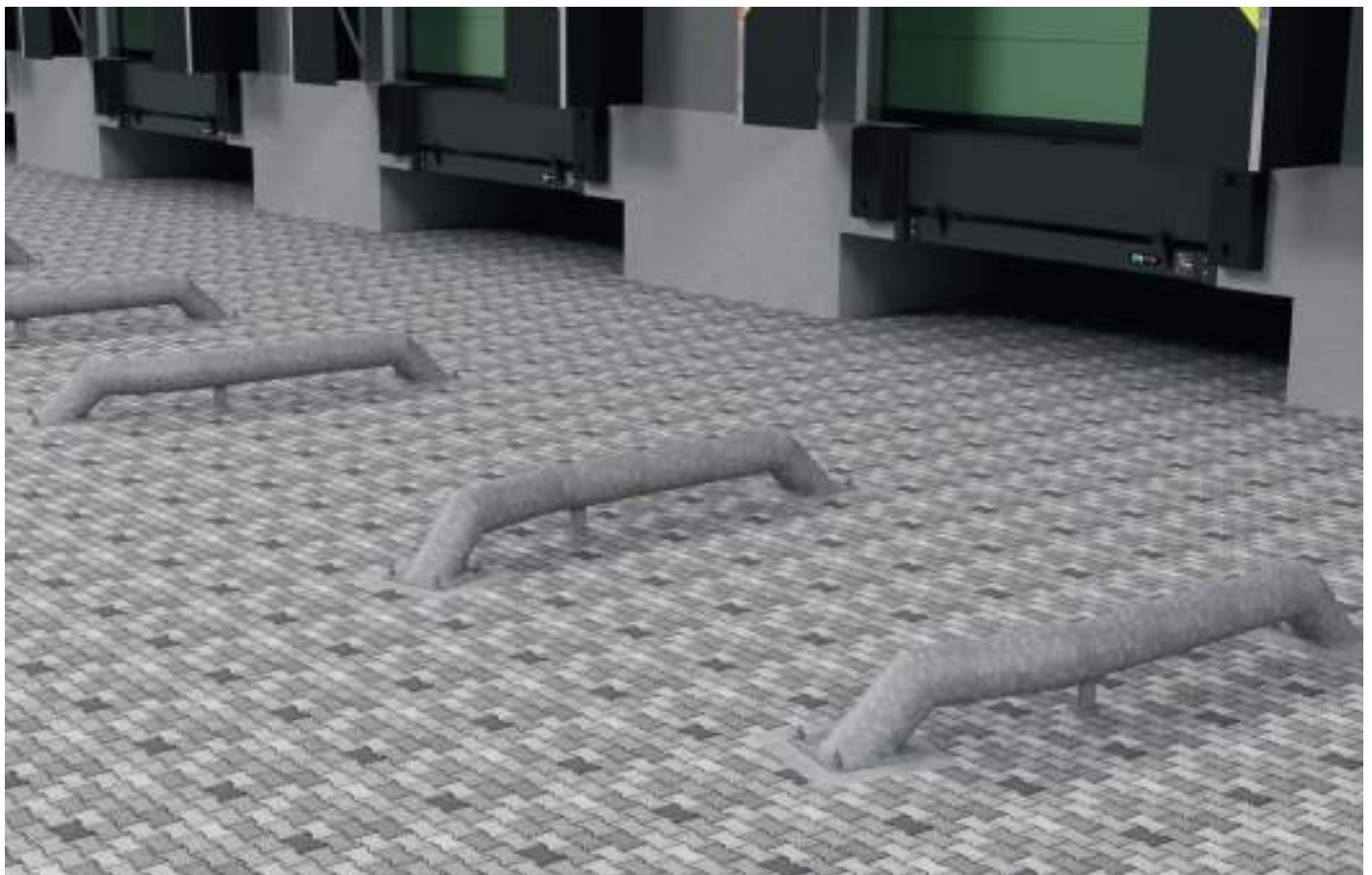
*More information  
on the product*

## Purpose

Guides are additional components of the loading system or the precise positioning of the vehicle in relation to the loading bay. This optimizes the handling process and helps avoid accidental damage to the docking system structure.

## Features

- ▶ The installation is extremely important in the proper functioning of the wheel guides
- ▶ The wheel guide must be fixed in the ground in a permanent way by pouring a foundation for its brackets
- ▶ The fixing ring anchors are included in the fixing kit



# Types of wheels guides

## AMTR-N straight guide

The AMTR-N STRAIGHT guide is approx. 1840 mm long. It's frame is made from a 159 mm diameter round steel profile. The structure is equipped with square mounting brackets made of flat sheet metal.



Application	Loading systems
Length	1840 mm
Height	250 mm
Bracket dimensions	250x250 mm
Tube diameter	159 mm
Finish	Zinc-plated

\*The product may be adapted according to customer requirements. The set includes a right and angled wheel guide and a mounting kit.

## AMTR-N angled guide

The AMTR-N ANGLED guide is approximately 2000 mm long and opens at an angle of 15 degrees. Its frame is made of a 159 mm diameter round steel profile. The structure is equipped with square mounting brackets made of flat sheet metal.



Application	Loading systems
Length	2000 mm
Height	250 mm
Bracket dimension	250x250 mm
Tube diameter	159 mm
Finish	Zinc-plated

\*The product may be adapted according to customer requirements. The set includes a right and angled wheel guide and a mounting kit.

# AMTR

## Bumpers



*More information  
on the product*

## Purpose

The basic function of the bumpers is to protect the loading system from direct contact with docking vehicles. The ergonomic design of the bumper allows it to absorb forces during docking process, providing a safe distance between the building facade and approaching vehicle, preventing potential damage

## Features

- ▶ The primary function of the bumper is to absorb the forces generated when a truck comes into contact with the loading bay
- ▶ Depending on the docking system, different types of bumpers can be selected to ensure the highest possible level of safety



# Fixed bumper

## Standard bumper

A standard size bumper with a design that ensures resilience for maximum safety when docking vehicles.

<b>Dimensions</b>	450x70x80 mm
<b>Materials</b>	high quality rubber
<b>Installation</b>	expansion anchors



## JUMBO PRO bumper with bracket

JUMBO PRO bumper with steel bracket is fixed with steel anchors through the bracket plate. This type of mounting increases the bumper's strength and durability.

<b>Dimensions</b>	250x500x100mm
<b>Materials</b>	high quality rubber
<b>Installation</b>	expansion anchors
<b>Brack</b>	RAL 9005



## JUMBO PRO bumper with bracket and front reinforcement

With this option, the front cover plate protects the bumper rubber from mechanical wear, extending the life of the bumper.

<b>Dimensions</b>	250x500x100mm
<b>Materials</b>	high quality rubber
<b>Installation</b>	expansion anchors



## Adjustable bumpers

### Adjustable bumper

The adjustable bumper is made of heavy duty rubber and a steel bracket containing the elements responsible for vertical movement. The bumper is equipped with a mechanism that allows the rubber to adjust to the vehicle level during loading/unloading.



<b>Dimensions</b>	510x250x152 mm
<b>Materials</b>	rubber, steel, adjusting mechanism
<b>Installation</b>	expansion anchors
<b>Finish</b>	zinc-plated or painted

### Reinforced bumper

The reinforced bumper has been developed for customers who appreciate the highest strength and durability even under the most demanding conditions. Galvanic coating of the steel part provides weather resistance.



<b>Dimensions</b>	500x200x100mm
<b>Materials</b>	rubber, steel
<b>Installation</b>	expansion anchors
<b>Finish</b>	zinc-plated

### ESS bumper

The ESS bumper is made of heavy duty rubber and a steel bracket containing the components responsible for vertical movement. The bumper is equipped with a mechanism enabling it to be extended to a height of 250 mm.



<b>Dimensions</b>	250x500x100 mm
<b>Materials</b>	rubber, steel
<b>Installation</b>	expansion anchors

# AMTR-S

## Steel bollards



*More information  
on the product*

## Purpose

The primary function of heavy duty bollards is to protect loading and unloading areas, doors, walls and everything in their vicinity. Suitable for heavy loads and work area protection.

## Features

- ▶ Galvanized and Powder Coated: Standard bollards are galvanized and powder-coated in RAL 1023 (Traffic Yellow) for durability and visibility
- ▶ Optional Stripes: Bollards can optionally be painted with two 100 mm wide black stripes for enhanced visibility
- ▶ Mounting Kit: All bollards are supplied with a complete mounting kit for easy installation



## Types of bollards

### AMTR-S M1 bollard

A model with a diameter of 134 mm and wall thickness of 4 mm. It is a suitable solution for the use with dry trailer vehicles. This type of bollard works well near walkways and openings at ramps or gates.

<b>AMTR-S-800-M1</b>	<b>Nominal height</b> 800 mm   <b>Diameter</b> 134 mm   <b>Wall thickness</b> 3,2 mm
<b>AMTR-S-1000-M1</b>	<b>Nominal height</b> 1000 mm   <b>Diameter</b> 134 mm   <b>Wall thickness</b> 3,2 mm
<b>AMTR-S-1200-M1</b>	<b>Nominal height</b> 1200 mm   <b>Diameter</b> 134 mm   <b>Wall thickness</b> 3,2 mm
<b>AMTR-S-1500-M1</b>	<b>Nominal height</b> 1500 mm   <b>Diameter</b> 134 mm   <b>Wall thickness</b> 3,2 mm



### AMTR-S M2 bollard

A model with a diameter of 159 mm and wall thickness of 4.5 mm. It is a suitable solution for protection against forklifts. This type of bollard works well in areas where loading bays are used.

<b>AMTR-S-800-M2</b>	<b>Nominal height</b> 800 mm   <b>Diameter</b> 159 mm   <b>Wall thickness</b> 4,5 mm
<b>AMTR-S-1000-M2</b>	<b>Nominal height</b> 1000 mm   <b>Diameter</b> 159 mm   <b>Wall thickness</b> 4,5 mm
<b>AMTR-S-1200-M2</b>	<b>Nominal height</b> 1200 mm   <b>Diameter</b> 159 mm   <b>Wall thickness</b> 4,5 mm
<b>AMTR-S-1500-M2</b>	<b>Nominal height</b> 1500 mm   <b>Diameter</b> 159 mm   <b>Wall thickness</b> 4,5 mm



### AMTR-S M3 bollards

A model with a diameter of 219 mm and wall thickness of 5 mm. It is suitable for cars gates into buildings. This type of bollard works well near openings where loading bays are not used.

<b>AMTR-S-800-M3</b>	<b>Nominal height</b> 800 mm   <b>Diameter</b> 219 mm   <b>Wall thickness</b> 5 mm
<b>AMTR-S-1000-M3</b>	<b>Nominal height</b> 1000 mm   <b>Diameter</b> 219 mm   <b>Wall thickness</b> 5 mm
<b>AMTR-S-1200-M3</b>	<b>Nominal height</b> 1200 mm   <b>Diameter</b> 219 mm   <b>Wall thickness</b> 5 mm
<b>AMTR-S-1500-M3</b>	<b>Nominal height</b> 1500 mm   <b>Diameter</b> 219 mm   <b>Wall thickness</b> 5 mm



# Types of barriers

## AMTR-O1 standard barrier

Standard barrier brackets have a thickness of 8 mm. The standard barrier is used to protect walls and passageways in warehouses and underground parking lots.



AMTR-01-800-M2	Height 800 mm
AMTR-01-1000-M2	Height 1000 mm

\*The product may be adapted according to customer requirements

## AMTR-B1 Industrial barrier

Standard industrial barrier brackets are 8 mm thick. The barrier is used to protect the walls and passageways wherever the regular barrier proves insufficient, including in warehouses and underground parking lots.



AMTR-B1-800-M2	Height 800 mm
AMTR-B1-1000-M2	Height 1000 mm

\*The product may be adapted according to customer requirements

# AMTR-K

## Wheel chock



*More information  
on the product*

### Purpose

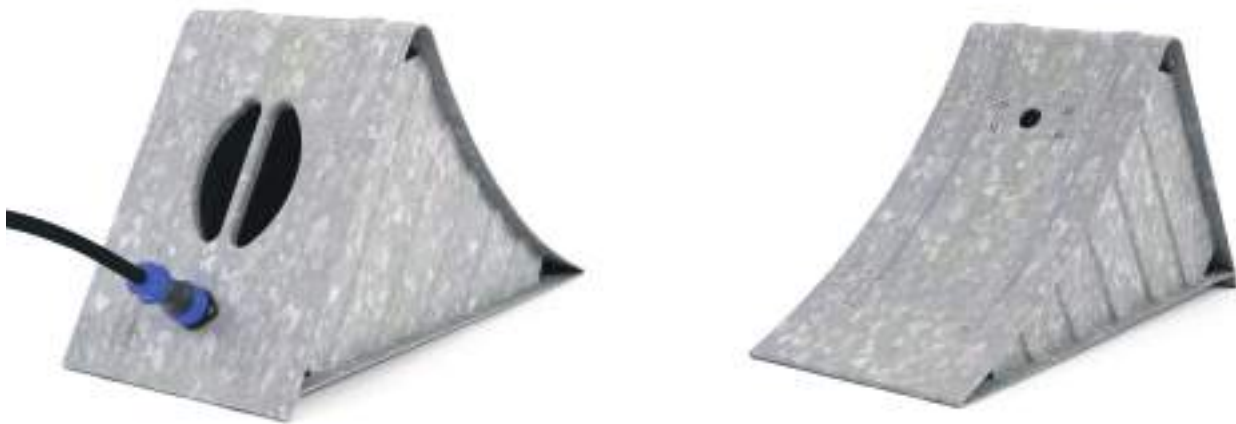
This steel wedge system ensures stable vehicle positioning, preventing accidental movement during docking and unloading, while integrating seamlessly with the proximity docking system for added automation and safety.



# Standard technical parameters\*

Application	Loading systems
Length	470 mm
Width	200 mm
Height	230 mm
Radius	560 mm
Wheel load per chock	6500 kg
Material	galvanized steel
Weight	4,5 kg

\*The product may be adapted according to customer requirements



## Features

- ▶ Increased Safety: The steel wedge is placed under the vehicle's wheels to enhance safety during loading and unloading operations. It can be used with the ZSD (Proximity Docking System)
- ▶ Material and Design: The wedge is made of galvanized steel with a curvature radius of 560 mm, equipped with an optical sensor and a 4-pin connection
- ▶ Included Components: Galvanized steel wedge with an optical sensor, Crush-resistant electrical cable with a 4-pin plug, 10 meters in length, 5 meters of steel wire for securing the wedge



# AMTR

## Lighting and docking system



— **Comfort**

— **Safety**

— **Security**

# AMTR

## LED Dock Light



*More information  
on the product*

### Purpose

Dock lights are energy efficient replacements for outdoor halogen lights. They are IP65 rated, meaning full protection from dust and water, so they can be used in harsh storage environments.

### Standard technical parameters\*

Lamp power	10 W
Power supply	AC 230 V
Power consumption	10 W
Light color	Warm
Lighting angle	120 degrees
Dimensions	75x115x85
Lifetime	30 000 h
Cycles	50 000
Starting time	1,1 s
Lamp power factor	> 0,5



# AMTR-ZSD

## Proximity Docking System



*More information  
on the product*

## Purpose

The proximity docking system is an electronic solution based on a proximity sensor connected to traffic lights, designed to enhance loading and unloading logistics as well as overall safety. It enables efficient cargo handling and assists drivers during vehicle docking. The system automatically notifies both the driver and the dock personnel when the vehicle is properly docked and ready for operation






## Features

- ▶ External lights inform the driver of the distance to the dock, and internal lights inform that the vehicle is at the dock and operation may begin
- ▶ The signaling system is based on a proximity sensor that is mounted at the front of the platform and signal lights (red and green) located outside and inside the dock



# AMTR-ZSD V1 Docking System

ZSD V1 signaling light system is based on a proximity sensor, external signalization consisting of green and red light informing the driver about reaching designated place and necessity of stopping the vehicle.

STAGE	DESCRIPTION OF ACTIVITY	EXTERNAL LIGHT	INTERNAL LIGHT
1	Dock is free - ready for docking		
2	The vehicle has arrived at the designated location*		
3	Closing the gate at the end of vehicle operation		
4	Vehicle departure from the dock		

\* If vehicle operation does not begin within 3 minutes after docking of the vehicle, the program automatically proceeds to step 3.

## Technical data

Application	Loading systems
Power supply	230 VAC
Sensor type	Reflective PNP
Adjustable sensor range	10 – 1000 mm
Lamp power	40 W
Protection rating	IP67















### The kit includes:

- ▶ Box proximity
- ▶ Sensor
- ▶ Signal light with red and green light installation
- ▶ Cable set



## Docking system AMTR-ZSD V3 (Light Guidance)

The ZSD V3 system is based on a system of LED lights to assist the driver because they are positioned at the optimum height for the driver so that he does not have to constantly observe both the position of the wheels in relation to the wheel guides and the distance from the dock wall. The use of ZSD V3 allows the complete elimination of traditional guiding systems, this provides more space in the yard without obstacles, which makes the removal of snow easier in winter conditions. The ZSD V3 system features long life and low power consumption.

SITUATION	EXTERNAL LIGHT	INTERNAL LIGHT
No truck		
Truck docked		
Opening the gate		
Loading/Unloading		
Closing the gate		
After pressing the button		
Truck departed		

Flashing light



## Technical data

Application	Loading systems
Power supply	230 VAC
Sensor type Sensor	Reflective PNP
Range	10 – 1000 mm
LED strip	0,7 W
Protection rating	IP67

### The kit includes:

- ▶ Control box
- ▶ Reflective sensor
- ▶ Sensor holder
- ▶ LED strip white - 2 pcs.
- ▶ LED strip - 1 pc.
- ▶ Installation cable set





”

*With us, you will build  
your Logistics center  
without compromises*

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