



DOORHAN®

LOADING DOCK SYSTEMS



➤ DooHan's loading dock equipment is designed taking in consideration today's necessity of efficient, cost effective modern logistics. Speed of safe loading and unloading operations is essential in your production, warehouse and loading docks area. DoorHan provides a wide range of equipment: a full range of dock levellers with many options, loading platforms, dock shelters, mobile ramps and more. Each piece of equipment is designed and made keeping in mind the productivity and the safety of the personnel in the working area. DoorHan loading equipment provide long — term reliable operation under any climatic condition. Our group has gained great experience in supplying equipment for extreme cold or hot environments all over the world. Choosing DoorHan loading dock equipment is the surest decision to solve any logistic issues in your future or present projects.



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DOORHAN[®]

DOCK LEVELERS



HIGH QUALITY
OF CORROSION
PROTECTION



LONG
SERVICE LIFE



COMPLETE
SOLUTION



- DoorHan dock levelers are designed to act as a bridge between the loading dock and the truck body. They are intended to provide fast, uninterrupted movement of forklifts during loading/unloading. They can be used with trucks which are equipped with tail-lifts.



DOCK LEVELERS



📖 ELECTRO-HYDRAULIC DOCK LEVELLER WITH HINGED LIP OF DLHHI SERIES



📖 ELECTRO-HYDRAULIC DOCK LEVELLER TELESCOPIC DOCK LEVELER OF DSIM SERIES



📖 ELECTRO-HYDRAULIC DOCK LEVELER WITH HINGED LIP CANTILEVERED TYPE OF DLHHI(C) SERIES



📖 MECHANICAL DOCK LEVELER OF MODL SERIES



📖 MECHANICAL DOCK LEVELER OF MDLM SERIES

DOORHAN®

DOCK SHELTERS



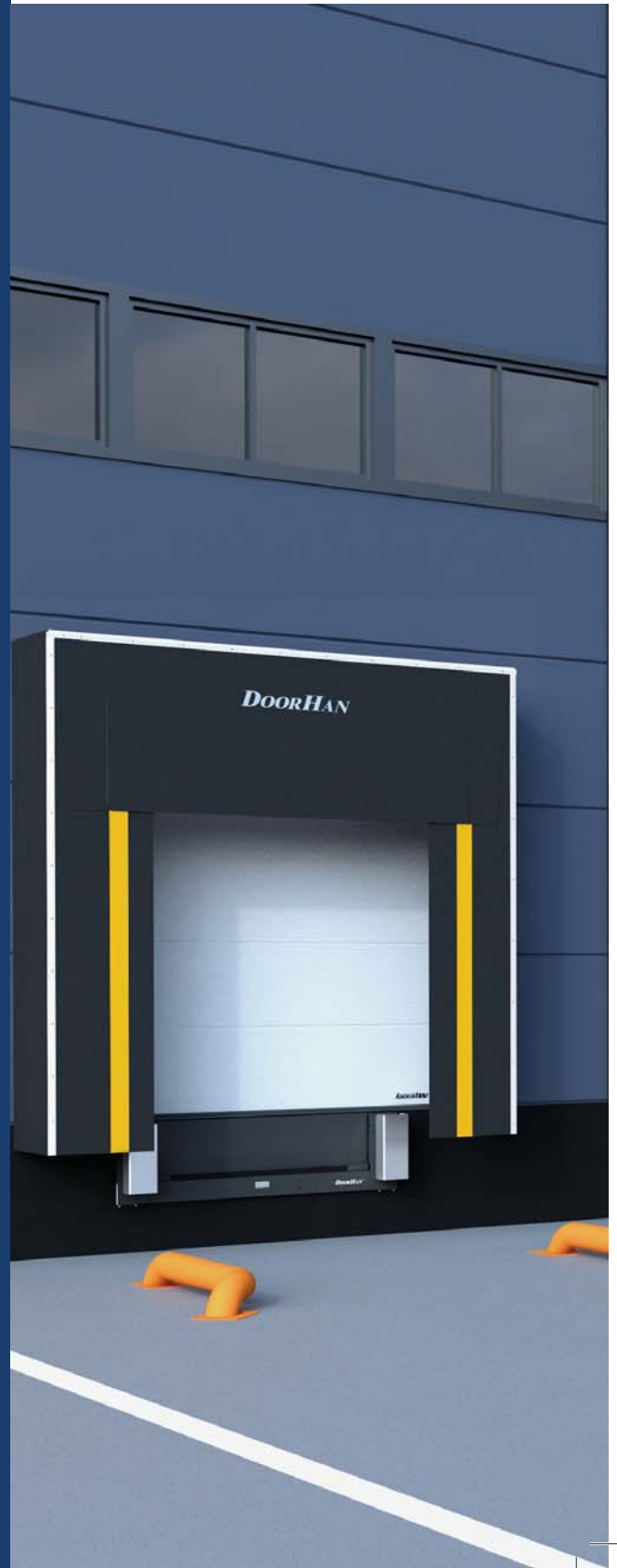
WATER DRAINAGE
SYSTEM



LONG
SERVICE LIFE



CONVENIENCE AND
SAFETY **OF OPERATION**



- Dock shelters act as a seal between the warehouse door opening and the truck body ensuring maximum working environment protection. Dock shelters prevent dust, wind, rain, insects and draughts from entering into the facility. DoorHan dock shelters are available in two types: inflatable and curtain type. The curtain type dock shelters can be non-collapsible or with retractable structure. It is especially convenient to use dock shelters at warehouses where perishable goods require special loading conditions.



DOCK SHELTERS



DOCK SHELTER WITH ALUMINIUM RETRACTABLE STRUCTURE



DOCK SHELTER WITH NON-COLLAPSIBLE STRUCTURE



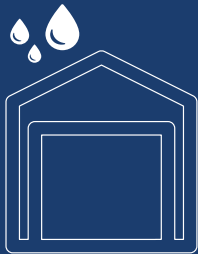
 INFLATABLE DOCK SHELTER



 DOCK SEAL DSHC SERIES

DOORHAN®

DOCK HOUSES



RAINWATER DRAINAGE
IN ANY DIRECTION



POSSIBILITY TO
CHOOSE THE WALL
MATERIAL



COMPLETE
SOLUTION



➤ The dock house is a loading dock outside of the warehouse space. It has an extended dock shelter and dock leveler. This combination provides excellent protection against external elements and ensures stable temperature in the warehouse. The dock house saves space in a warehouse and therefore increases the storage capacity. DoorHan produces two types of dock houses: straight and angled. Angle dock houses are installed at 30°, 45° or 60° to the building areas, where it is impossible to park trucks perpendicular to the dock wall. It's possible to install light or standard type dock houses. The walls of DH are made of coorugated sheet or sandwich panels.



DOCK HOUSES





DOORHAN[®]

EXTERNAL FREE STANDING FRAMES



SIMPLE
INSTALLATION



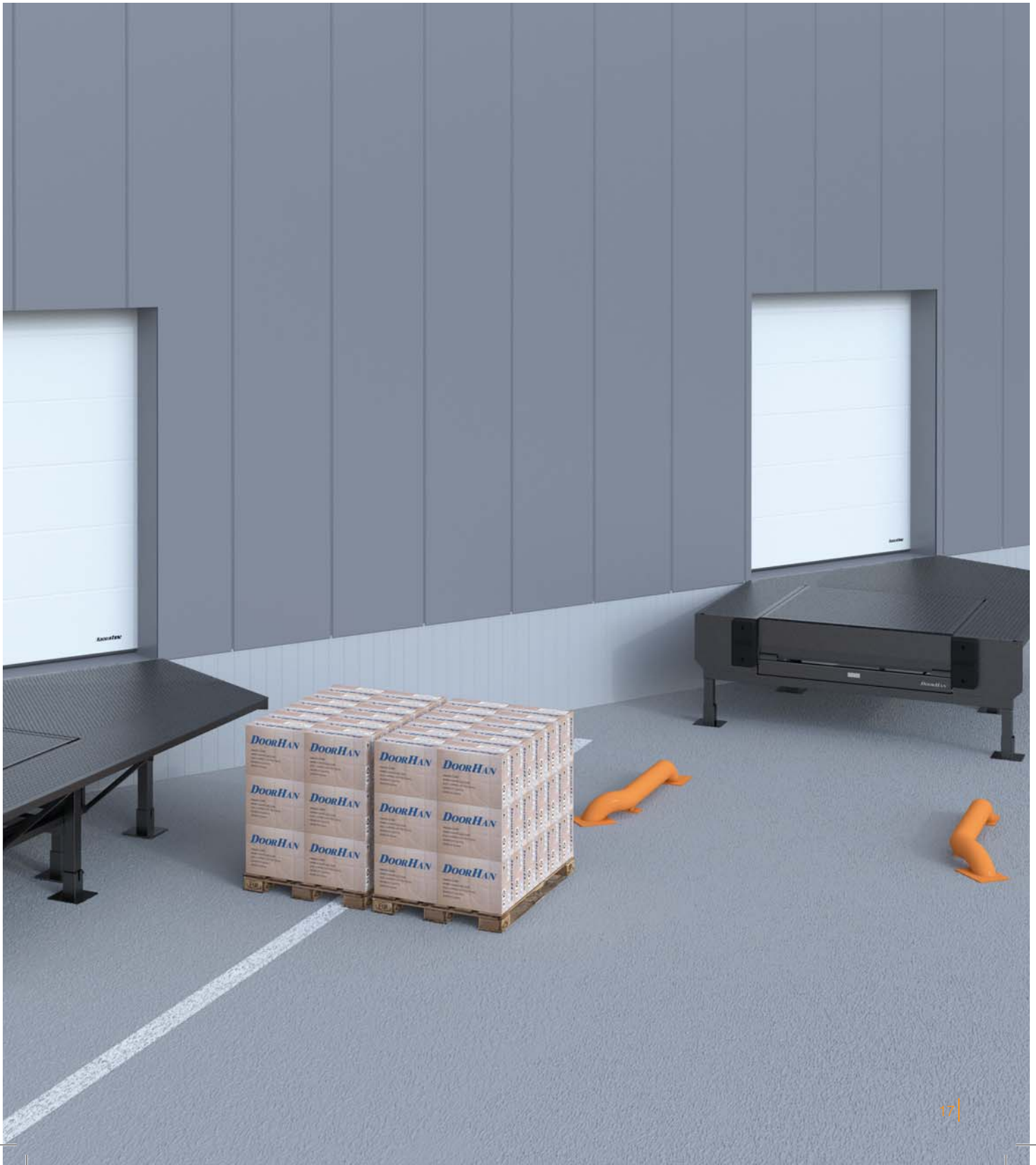
WAREHOUSE SPACE
SAVING



SHOT
BLASTING



- External free standing frames are installed at the dock in front of the opening as a stand-alone unit, equipped with a dock leveller. One of the main advantages of external frames is the possibility to modernize them without changing the design of the main building. External frames can be used in places, where trucks can not be parked transversely to the building. All types of dock levelers can be used with external frames. External frames are available with 4 angular adjustments — 90°, 60°, 45°, 30°. Since the external frames are preassembled the installation time is quite short.



DOORHAN®

MECHANICAL MANUAL BRIDGES



EASY
OPERATION



WORKS WITHOUT
POWER SUPPLY



MOBILITY



- FT mechanical manual bridges are installed on open loading docks to compensate height difference up to 360 mm, depending on the model. They are designed to work with trucks or trailers, which have approximately the same height. When loading/unloading the plate can be lowered in the truck body using the side handle until the lip rests on the truck. After loading/unloading is completed, the plate rises and returns to its original position. Mechanical manual bridges can have stationary or sliding design. Sliding manual bridges allows you to load/unload goods in several places, moving along the guide rail from one place to another.




MECHANICAL MANUAL BRIDGES EXTERNAL FREE STANDING FRAMES



EXTERNAL FREE STANDING FRAMES



 MECHANICAL MANUAL BRIDGES



 MOBILE BRIDGE

DOORHAN[®]

MOBILE RAMPS



10000

MAX LOAD CAPACITY
UP TO 10T



WORKS WITHOUT
POWER SUPPLY



EASY
OPERATION



- Speed of loading and unloading trucks outside or inside warehouses, factory premises or any industrial territory where loading docks equipped with dock levellers or bridges are not existent is vital for time saving. The best solution in modern logistics is the mobile loading ramp which allows swift up and down movement of forklifts to load/unload cargo. Mobile ramps are equipment which does not need any special preparation and can be used in any area of the factory's territory as long as enough space is available for its positioning and operation. All ramps have a similar principle of operation. The ramp is positioned by a forklift at the back of the truck (or trucks), then lifted by mechanical or hydraulic motor assistance equipped with a anti drop safety system. There are two types of mobile ramps: mobile ramp with support on the truck or without support on the truck. Without support on the truck have their own support. Due to this, the weight of the ramp and the forklift doesn't lie on the vehicle body. Height variations between the ramp and the truck trailer are compensated by a hinged lip. With support on the vehicle follows completely the truck height during loading and unloading operations. The ramp can be designed to work with one or more (maximum three) truck/trailers.



MOBILE RAMPS



MOBILE RAMP WITH SUPPORT ON THE TRUCK RMTS SERIES



MOBILE RAMP WITHOUT SUPPORT ON THE TRUCK RMFS SERIES



MOBILE RAMP WITHOUT SUPPORT ON THE TRUCK, WITH THREE LATERAL LOAD 3SRM SERIES



SHORTENED MOBILE RAMP RM SERIES

ACCESSORIES

Wheel guides



Wheel guides installed in front of the loading dock increase the safety and efficiency of loading and unloading operations and improve the service life of dock shelters considerably. They are designed to minimize possible contact with the truck wheel rim. The wheel guides are available in 165 mm diameter tube with bends for fastening. They are bolted into place using concrete anchors or can be sunk into the floor. As the wheel guides are exposed to high dynamic load, the model with anchor bolt fastening shall be installed only on the concrete area.



Protection bollards



Shock columns protect the door's vertical angles from damage by pallets or forklifts. It is installed indoors in front of the vertical angles. Shock columns are available in 100–165 mm diameter tube.



Guards

Guards are installed indoors to prevent damage of walls by forklifts or pallets. They ensure correct and safe moving of vehicles in the storage room and near the dock. The guard is a round tube with diameter of 100–165 mm. It can have any shape and can be made in accordance with customer's requirements.



Rubber bumpers

Rubber bumpers provide safe approach of trucks to the loading place and prevent damage to the building walls. They cushion a shock in case of incorrect parking. The bumpers are made of technical rubber, which increases their wear resistance and durability. The following models of bumpers are available:

- small bumper (250×250×100 mm);
- large bumper (500×250×100 mm);
- rubber bumper with steel plate (500×250×100 mm).



ACCESSORIES

Dock leveller control unit DCUH-1 series ➤

The main power supply is 380 V 50HZ (380 60HZ / 220V 50HZ / 220 60HZ optional). The levelling of dock leveller with hinged lip is carried out by a permanent push of the main operating button. The parking position is also carried manually. DCUH-1 series can provide the interlock function with door.



Dock leveller control unit DCUH-3 ➤

The main power supply is 380 V 50HZ (380 60HZ optional). The levelling of dock leveller with hinged lip is carried out by a permanent push of the main operating button. The parking of the dock leveller is carried out by a single intermittent push of the AUTO button. DCUH-3 series can provide the interlock function with door, connection of inside and outside traffic light, dock light, sectional door operation, inflatable dock shelter operation, service indicator, digital display for easy programming.



◀ Dock leveller control unit DCUH-2

The main power supply is 380 V 50HZ (380 60HZ optional). The levelling of dock leveller with hinged lip is carried out by a permanent push of the main operating button. The parking of the dock leveller is carried out by a single intermittent push of the AUTO button. DCUH-2 series can provide the interlock function with door, connection of inside and outside traffic light, dock light, service indicator, digital display for easy programming.



Dock leveller control unit DCUT-1 series ➤

The main power supply is 380 V 50HZ (380 60HZ optional). The levelling of the dock leveller with telescopic lip and lip operation is carried out by a permanent push of the main operating button. The parking position is also carried manually. DCUT-1 series can provide the interlock function with door.



Dock leveller control unit DCUT-3 ➤

The main power supply is 380 V 50HZ (380 60HZ optional). The levelling of the dock leveller with telescopic lip and lip operation is carried out by a permanent push of the main operating button. The parking of the dock leveller is carried out by a single intermittent push of the AUTO button. DCUT-3 series can provide the interlock function with door, connection of inside and outside traffic light, dock light, sectional door operation, inflatable dock shelter operation, service indicator, digital display for easy programming.



◀ Dock leveller control unit DCUT-2

The main power supply is 380 V 50HZ (380 60HZ upon request). The levelling of the dock leveller with telescopic lip and lip operation is carried out by a permanent push of the main operating button. The parking of the dock leveller is carried out by a single intermittent push of the AUTO button. DCUT-2 series can provide the interlock function with door, connection of inside and outside traffic light, dock light, service indicator, digital display for easy programming.



TECHNICAL SPECIFICATIONS

DOCK LEVELER WITH HINGED LIP OF DLHHI SERIES

TECHNICAL SPECIFICATIONS

| | |
|---------------------------------|--|
| Length, mm | 2000/2500/3000/3500/4000/4500 |
| Width, mm | 1800/2000/2200 |
| Lip length, mm | 400 (500 — option) |
| Working range, mm | from -350 to +550 |
| Quantity of lift cylinders | one as standard / two upon request |
| Load capacity, kg | 6000/10000 (other upon request) |
| Operating temperature range, °C | -20...+50** |
| Power supply, kW | 1.1 |
| Power voltage, V | 380 as standard / 220 upon request (only with control unit DCUH-1) |
| Current frequency, Hz | 50 as standard / 60 upon request |
| Oil, L | 4 (Mobil Nuto H46 or analog) |
| Colour* | black (RAL 9005) and blue (RAL 5005), other upon request |

* Powder painting of frame and framework with preliminary shot blasting.

** It's necessary to use low temperature oil if temperature is below -20 °C.

DOCK LEVELER WITH HINGED LIP CANTILEVERED TYPE OF DLHHI(C) SERIES

TECHNICAL SPECIFICATIONS

| | |
|---------------------------------|--|
| Length, mm | 2000/2500/3000/3500 |
| Width, mm | 1800/2000/2200 |
| Lip length, mm | 400 (500 — option) |
| Quantity of lift cylinders | one as standard |
| Load capacity, kg | 6000/10000 (other upon request) |
| Operating temperature range, °C | -20...+50** |
| Power supply, kW | 1.1 |
| Power voltage, V | 380 as standard / 220 upon request (only with control unit DCUH-1) |
| Current frequency, Hz | 50 as standard / 60 upon request |
| Oil, L | 4 (Mobil Nuto H46 or analog) |
| Colour* | black (RAL 9005) and blue (RAL 5005), other upon request |

* Powder painting of frame and framework with preliminary shot blasting.

** It's necessary to use low temperature oil if temperature is below -20 °C.

DOCK LEVELER WITH TELESCOPIC LIP OF DSIM SERIES

TECHNICAL SPECIFICATIONS

| | |
|---------------------------------|--|
| Length, mm | 2500/3000/3500/4000 |
| Width, mm | 2000/2200/2400 |
| Lip length, mm | 500/1000 (other upon request) |
| Working range, mm | from -300 to +310 |
| Quantity of lift cylinders | two as standard |
| Load capacity, kg | 6000/10000 (other upon request) |
| Operating temperature range, °C | -30...+50* |
| Power supply, kW | 1.1-1.5 |
| Power voltage, V | 380 as standard / 220 upon request (only with control unit DCUH-1) |
| Current frequency, Hz | 50 as standard / 60 upon request |
| Oil, L | 4 (Mobil Nuto H46 or analog) |
| Colour* | black (RAL 9005) and blue (RAL 5005), other upon request |

* Powder painting of frame and framework with preliminary shot blasting.

** It's necessary to use low temperature oil if temperature is below -20 °C.

MECHANICAL DOCK LEVELER OF MDM SERIES

TECHNICAL SPECIFICATIONS

| | |
|---------------------------------|--|
| Length, mm | 500 |
| Width, mm | 1 600/1800/2000 |
| Lip length, mm | 300 (400 — option) |
| Working range, mm | from -100 to +100 |
| Load capacity, kg | 6 000 |
| Operating temperature range, °C | -30...+50 |
| Colour* | black (RAL 9005) and blue (RAL 5005), other upon request |

* Powder painting of frame and framework with preliminary shot blasting.

INFLATABLE DOCK SHELTER

TECHNICAL SPECIFICATIONS

| | |
|--|--------------------------|
| Width, mm | 3 410/3610 |
| Height, mm | 3 300/3800/4 900 |
| Dock shelter depth, mm | 800 (other upon request) |
| Top cushion extension, mm | 900 (1 200 — option) |
| Side cushion extension, mm | 600 |
| Top decorative curtain, mm | 500 |
| Side decorative curtain, mm | 200 |
| Average time of cushion inflation, s | 40 |
| Thickness of cushion material (Cordura 1000), mm | 0,5 |
| Operating temperature range, °C | -35...+50 |
| Power supply, kW | 0.55 |
| Current frequency, Hz | 50 as standard |

DOCK SHELTER WITH ALUMINIUM RETRACTABLE STRUCTURE

TECHNICAL SPECIFICATIONS

| | |
|----------------------------------|--|
| Width, mm | 3 000/3200/3400 |
| Height, mm | 3 000/3200/3400/4 400 |
| Dock shelter depth, mm | 600 (900 — option) |
| Upper sheet | single as standard/double upon request |
| Profile colour | white aluminium (RAL 9006), other upon request |
| Thickness of front PVC sheet, mm | 3 |
| Thickness of side PVC sheet, mm | 0.5 |
| Operating temperature range, °C | -35...+50 |

DOCK SHELTER WITH NON-COLLAPSIBLE STRUCTURE

TECHNICAL SPECIFICATIONS

| | |
|----------------------------------|--|
| Width, mm | 3 000/3200/3400 |
| Height, mm | 3 000/3200/3400/4 400 |
| Dock shelter depth, mm | 600 (900 — option) |
| Upper sheet | single as standard / double upon request |
| Profile colour | white aluminium (RAL 9006), other upon request |
| Wall panel colour | signal white (RAL 9003), other upon request |
| Thickness of front PVC sheet, mm | 3 |
| Operating temperature range, °C | -35...+50 |

TECHNICAL SPECIFICATIONS

STANDARD SERIES DOCK HOUSES

TECHNICAL SPECIFICATIONS

| | |
|---|--|
| Dimensions | depend on dimensions of dock shelter and dock leveler |
| Angle | 90°/60°/45°/30°, other upon request |
| Thickness of sandwich panel walls, mm | 40 |
| Walls | Corrugated sheet — C20/21 |
| Maximal wind load, kN/m ² | 0.65 |
| Roof | galvanized sheet C44 |
| Maximal snow load (roof), kN/m ² | 3.0 |
| Outside/inside wall colour* | signal white (RAL 9003), other upon request |
| Frame colour* | black (RAL 9005) and blue (RAL 5005), other upon request |
| Wall edging profile colour* | white aluminium (RAL 9006), other upon request |
| Operating temperature range, °C | -35...+50 |

* Powder painting of frame and framework with preliminary shot blasting.

LIGHT SERIES DOCK HOUSES

TECHNICAL SPECIFICATIONS

| | |
|---|--|
| Dimensions | depend on dimensions of dock shelter and dock leveler |
| Angle | 90°/60°/45°/30°, other upon request |
| Walls | corrugated sheet — C20/21 |
| Maximal wind load, kN/m ² | 0.65 |
| Roof | galvanized sheet corrugated C44 |
| Maximal snow load (roof), kN/m ² | 3.0 |
| Inside/outside wall colour* | signal white (RAL 9003) / grey ground |
| Frame colour* | black (RAL 9005) and blue (RAL 5005), other upon request |
| Operating temperature range, °C | -35...+50 |

* Powder painting of frame and framework with preliminary shot blasting.

MECHANICAL MANUAL BRIDGES

TECHNICAL SPECIFICATIONS

| | |
|---------------------------------------|--------------------------------------|
| Length, mm | 1 000/1 500 |
| Width, mm | 1 200/1 500/1 800/2 000 |
| Lip length, mm | 210 |
| Working range, mm | from -180 to +180 |
| Load capacity, kg | 4 000 |
| Maximal point load, N/mm ² | 1.3 |
| Operating temperature range, °C | -30...+50 |
| Colour* | black (RAL 9005) and blue (RAL 5005) |

* Powder painting of frame and framework with preliminary shot blasting.

MOBILE BRIDGE

TECHNICAL SPECIFICATIONS

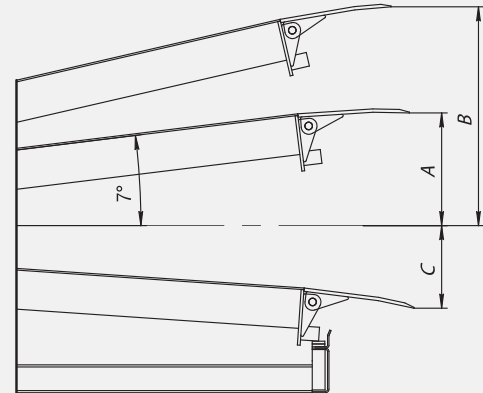
| | |
|---------------------------------------|--------------------------------------|
| Length, mm | 2 000 |
| Width, mm | 1 800/2 000 |
| Turning/fixing lip length, mm | 410 |
| Working range, mm | 0–240 (above the dock) |
| Load capacity, kg | 4 000 |
| Maximal point load, N/mm ² | 1.3 |
| Operating temperature range, °C | -30...+50 |
| Colour* | black (RAL 9005) and blue (RAL 5005) |

* Powder painting of frame and framework with preliminary shot blasting.

WORKING RANGE OF DOCK LEVELLERS

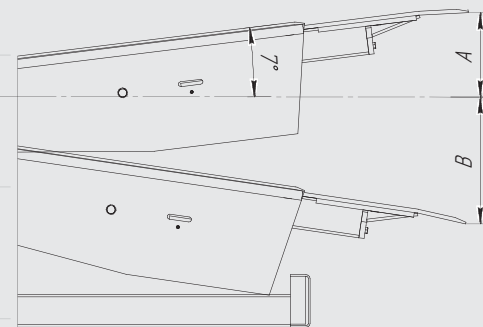
DOCK LEVELER WITH HINGED LIP

| DLHHI | | L, mm | | | | | |
|-------|------|-------|------|------|------|------|------|
| | | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 |
| 7 | A,mm | 220 | 293 | 346 | 405 | 465 | 525 |
| Above | B,mm | 602 | 676 | 730 | 785 | 855 | 915 |
| Below | C,mm | 314 | 293 | 299 | 295 | 380 | 380 |



DOCK LEVELER WITH TELESCOPIC LIP

| DSIM (Lip 500 mm) | | L, mm | | | | |
|-------------------|--|-------|------|------|------|------|
| | | 2000 | 2500 | 3000 | 3500 | 4000 |
| Above 7° | | 257 | 317 | 372 | 438 | 500 |
| Below | | 349 | 311 | 437 | 423 | 412 |



| DSIM (Lip 1000 mm) | | L, mm | | | |
|--------------------|--|-------|------|------|------|
| | | 2500 | 3000 | 3500 | 4000 |
| Above 7° | | 371 | 433 | 493 | 553 |
| Below | | 324 | 450 | 423 | 400 |

TECHNICAL SPECIFICATIONS

MOBILE RAMP WITH SUPPORT ON THE TRUCK RMTS SERIES



TECHNICAL SPECIFICATIONS

| | |
|-----------------------------------|---|
| Length, mm | 12000 |
| Width, mm | 2200 |
| Length of horizontal part, mm | 2000 |
| Width of the roadway, mm | 1900 |
| working range, mm | 900–1500 |
| Working cylinders, pcs | 2 |
| Load capacity kg (kN) | 7000 (70) / 10000 (100) |
| Max. point load N/mm ² | 1.3–6.5 upon request |
| Power supply*, kW | 1.5 |
| Power voltage*, V | 380 |
| Current frequency, Hz | 50 as standard / 60 upon request |
| Ingress Protection* | IP54 |
| Oil, L | 4 (Mobil Nuto H46 or analog) |
| Operating temperature range, °C | -30...+50 |
| Approximate weight, kg | 2500 |
| Type of operator | with electro-hydraulic motor/with manual hydraulic operator |
| Colour (enamel paint) | black (RAL 9005) and blue (RAL 5005), other upon request |

* For mobiles ramps with electro-hydraulic system.

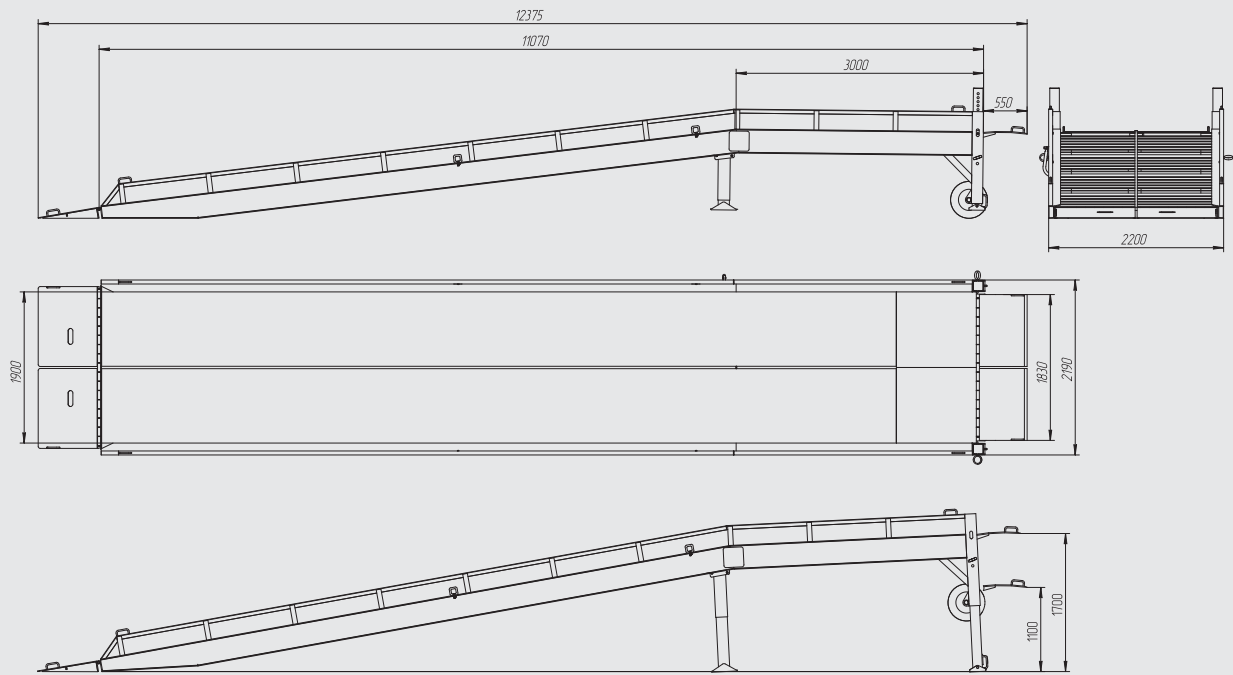
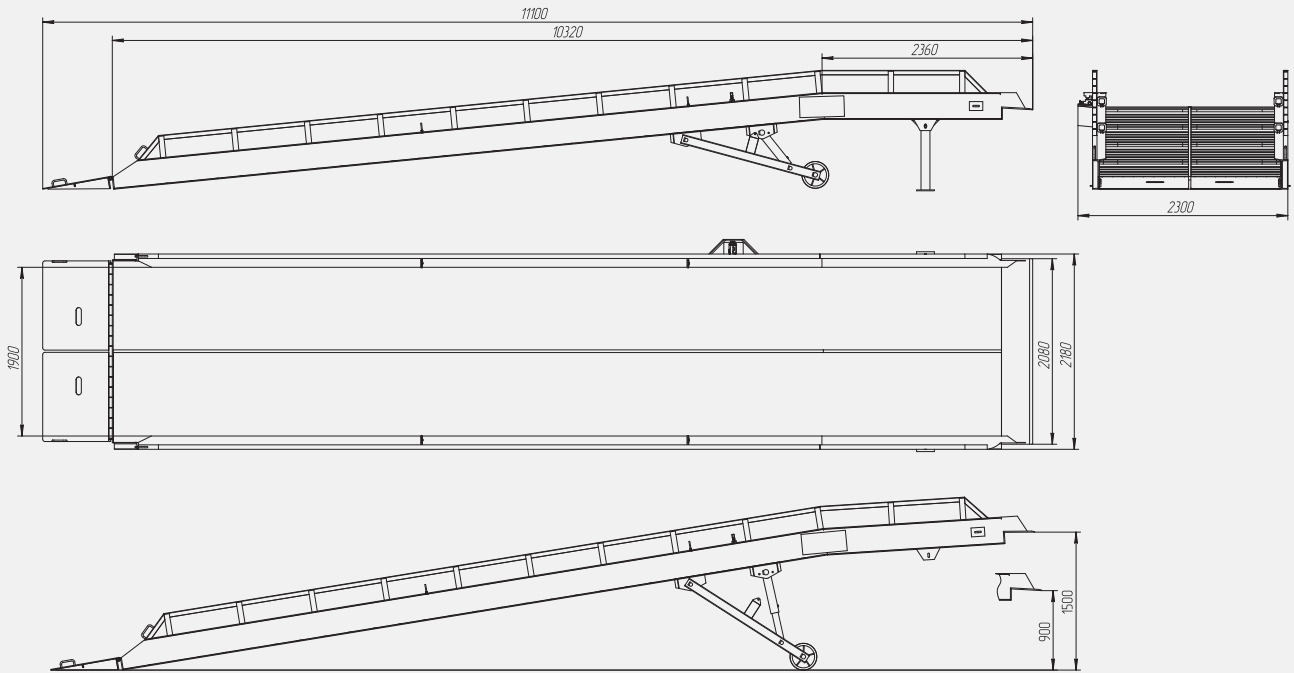
MOBILE RAMP WITHOUT SUPPORT ON THE TRUCK RMFS SERIES



TECHNICAL SPECIFICATIONS

| | |
|-----------------------------------|--|
| Length, mm | 12000 |
| Width, mm | 2200 |
| Length of horizontal part, mm | 3000 |
| Width of the roadway, mm | 1900 |
| working range, mm | 1100–1700 |
| Working cylinders, pcs | 2 |
| Load capacity kg (kN) | 7000 (70) / 10000 (100) |
| Max. point load N/mm ² | 1.3/6.5—upon request |
| Power supply*, kW | 1.5 |
| Power voltage*, V | 24 |
| Ingress Protection* | IP54 |
| Oil, L | 4 (Mobil Nuto H46 or analog) |
| Operating temperature range, °C | -30...+50 |
| Approximate weight, kg | 2970 |
| Colour (enamel paint) | black (RAL 9005) and blue (RAL 5005), other upon request |
| Type of operator | with electro-hydraulic motor/with manual hydraulic operator/with mechanical jack |

* For mobiles ramps with electro-hydraulic system.



TECHNICAL SPECIFICATIONS

MOBILE RAMP WITHOUT SUPPORT ON THE TRUCK, WITH THREE LATERAL LOAD 3SRM SERIES

TECHNICAL SPECIFICATIONS

| | |
|-----------------------------------|--|
| Length, mm | 12000 |
| Width, mm | 2200 |
| Length of horizontal part, mm | 3000 |
| Width of the roadway, mm | 1900 |
| Working range, mm | 1100–1700 |
| Working cylinders, pcs | 2 |
| Load capacity kg (kN) | 7000 (70) / 10000 (100) |
| Max. point load N/mm ² | 1.3/6.5 — upon request |
| Power supply*, kW | 1.5 |
| Power voltage*, V | 380 |
| Ingress Protection* | IP54 |
| Oil, L | 4 (Mobil Nuto H46 or analog) |
| Operating temperature range, °C | -30...+50 |
| Approximate weight, kg | 3890 |
| Colour (enamel paint) | black (RAL 9005) and blue (RAL 5005), other upon request |
| Type of operator | with electro-hydraulic motor/with manual hydraulic operator/with mechanical jack |

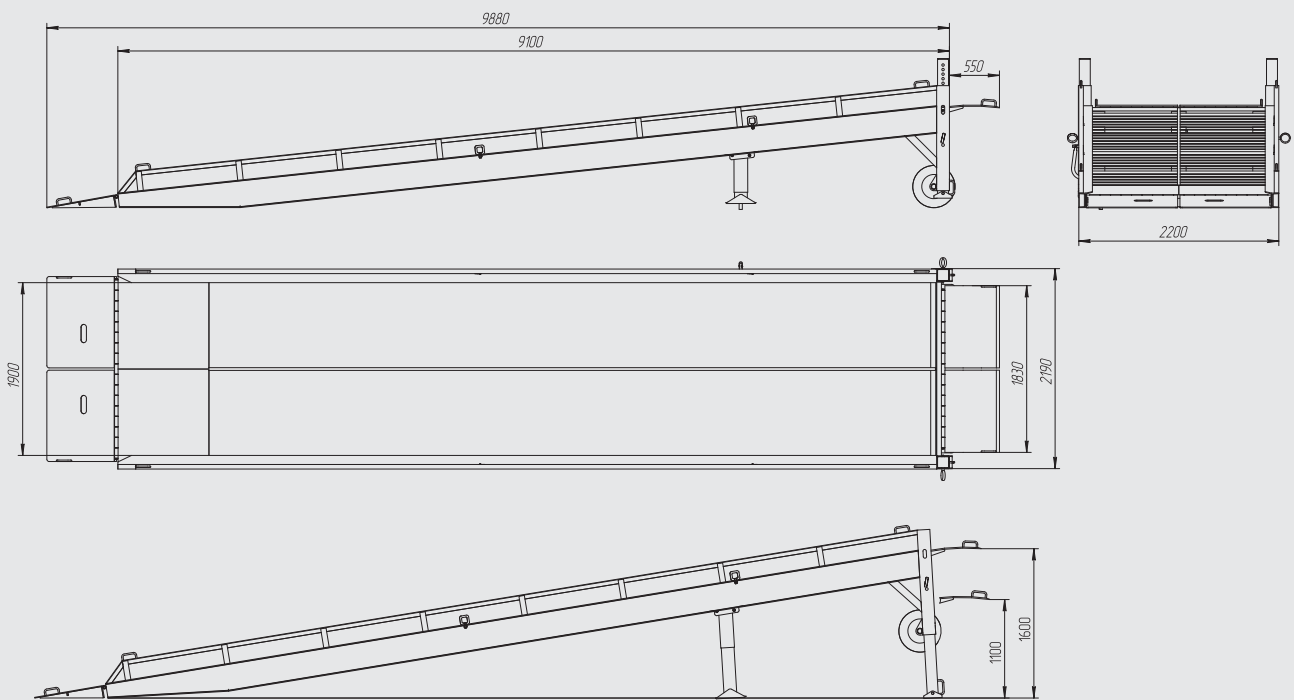
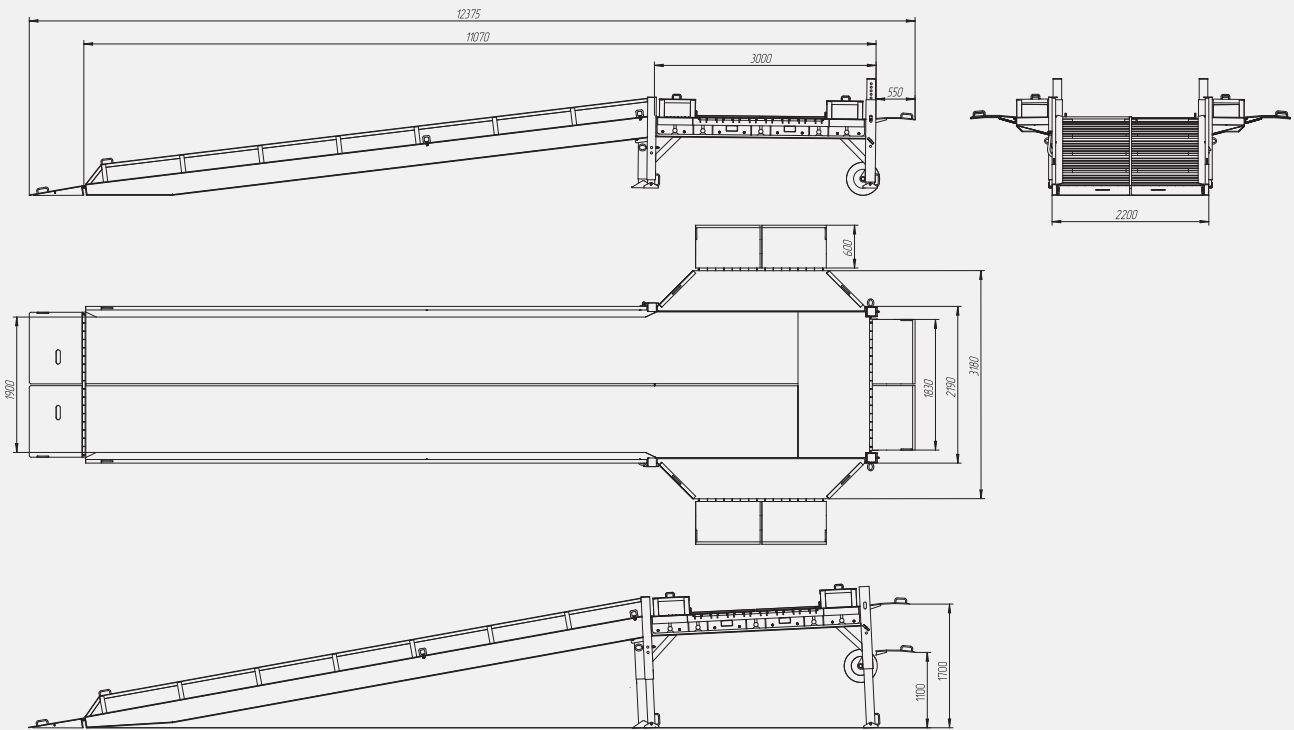
* For mobiles ramps with electro-hydraulic system.


SHORTENED MOBILE RAMP RM SERIES

TECHNICAL SPECIFICATIONS

| | |
|---------------------------------|--|
| Length, mm | 9000 |
| Width, mm | 2200 |
| Length of horizontal part, mm | 1900 |
| Width of the roadway, mm | 1100–1600 |
| Working range, mm | 2 |
| Working cylinders, pcs | 7000 (70) / 10000 (100) |
| Load capacity kg(kN) | 1.3/6.5—upon request |
| Power supply*, kW | 1.5 |
| Power voltage*, V | 380 |
| Ingress Protection* | IP54 |
| Oil, L | 4 (Mobil Nuto H46 or analog) |
| Operating temperature range, °C | -30...+50 |
| Approximate weight, kg | 2400 |
| Colour (enamel paint) | black (RAL 9005) and blue (RAL 5005), other upon request |
| Type of operator | with electro-hydraulic motor/with manual hydraulic operator/with mechanical jack |

* For mobiles ramps with electro-hydraulic system.



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