ROCKiES

LOADING DOCK SOLUTIONS

Specialise in providing integrated solutions
for loading and unloading goods.







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We provide the solution you are looking for Even those you never imagined.

OVERVIEW

Rockies specialises in providing integrated solutions for loading and unloading goods, as well as access control through industrial enclosures. Our highly qualified team, with over 33 years of experience in the sector, designs, produces, installs, and provides after-sales services for our entire product range: loading bays, industrial doors, warehouse equipment, dock shelters, and more.

High-quality products and prompt service are the most valued characteristics by our customers. Therefore, our aim is to satisfy their needs by offering the most customised and efficient service, delivering the most appropriate and suitable solutions for each specific case.

Rockies products are widely used in small workshops and companies in the food or automotive industries, as well as in large logistics centres. Each customer has their own requirements, and each solution is designed with specific characteristics to meet those needs.

As a manufacturer with our own R+D+I Department, Rockies guarantees the production of precise, robust, and safe products that comply with all international standards. Our products are offered at highly competitive prices while ensuring proven quality, excellent performance, and long-lasting durability.

One of the keys to our success is innovation. Developing new products is one of our main priorities. For this reason, we invite you to visit www.rockies.co.th and explore all the products and services we provide to meet your needs.

Disclaimer: Specifications, dimensions, and designs of Rockies dock levelers are subject to change without prior notice. Illustrations are for reference only and are not legally binding.





LOADING DOCK SOLUTIONS

Rockies has extensive experience in designing and developing loading bays, enabling us to compete effectively in dynamic global markets. Our wide range of loading mechanisms is designed to meet diverse customer needs, ensuring safety, efficiency, and durability in every operation.

Before implementation, Rockies conducts a thorough preliminary study to determine the most effective solutions for each facility, focusing on:

- Safety for operators, equipment, and structures
- Advanced technology and premium materials for high-quality performance
- Optimised energy efficiency and environmental protection
- Faster, smoother loading and unloading operations
- Long service life of all components

In addition to loading equipment, Rockies provides complete construction systems tailored to each type of installation and site condition. Our key product categories include:

- Dock Levelers: Bridge the height and distance between the dock and truck for efficient loading.
- Loading Bridges: Easy to install without a pit, ideal for handling medium and small goods.
- Free-standing Frames & Tunnels: Complete external loadin structures that require no civil work and keep interior space free.

We provide the solution you are looking for Even those you never imagined.

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ROCKIES HYDRAULIC DOCK LEVELER

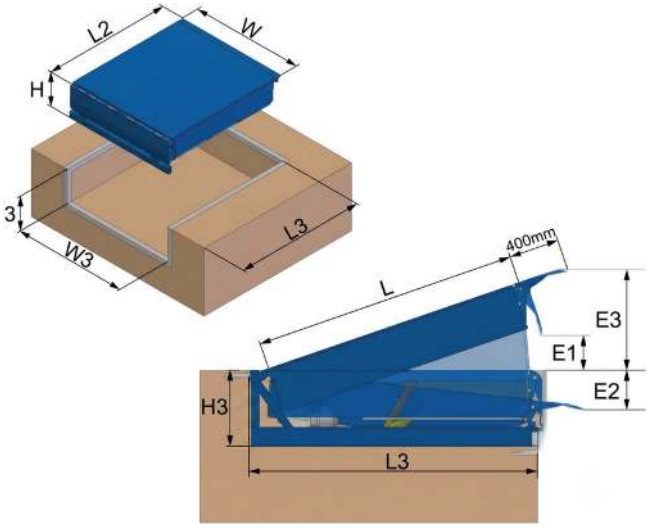


Rockies provides complete loading bay solutions designed to improve safety, efficiency, and operational performance. With extensive industry experience, we develop loading systems tailored to the specific requirements of each facility through careful site assessment and solution planning.

Our solutions focus on operator safety, reliable performance, energy efficiency, smooth loading operations, and long-term durability. The product range includes Dock Levelers, Loading Bridges, and Free-standing Frames & Tunnels, offering flexible options to suit various installation conditions and operational needs.

TECHNICAL DESCRIPTION

Swing/Hinge lip dock leveller can have load carrying capacity of 60kN as standard, higher rated loads are available on request. The maximum gradient of the platform is 12,5%. Typical Applications are Warehousing, Distribution, Logistics, Chemical Ind. and Light Industry.



Lip	L	W	H	L2	L3	W3	H3	E1	E2	E3
400 to 500	2400	1800	600	2500	2500	1840	610	300	295	770
		2000				2040				
		2200				2240				
	2900	1800		3000	3000	1840		300	295	830
		2000				2040				
		2200				2240				



PRODUCT BENEFITS

- Hydraulic dock leveler with hinged lip
- Complete new design
- New Z-frame construction
- Option packages for individual configuration
- Robust steel construction
- High bridging values at lower heights due to rear arrangement of the lifting cylinder
- Quick assembly

ADVANTAGE

- Different installation method (frame types)
- Interlocking function with Door, Shelter and loading accessory

SAFETY ITEMS

- Green LED indicator on control panel
- Hose break arrester system
- Emergency stop & toe guards
- Side bands, safety bar, anti-fall safety valves

MATERIAL DESCRIPTION

Upper plate 6 mm Thickness

- Swinglip: Single 12 mm Thickness Length
- Support Profile: C- Shape Stiffener

Dynamic Load Capacity 6,000 kg
Standard up to 25,000 kg

- Painting in RAL Color: Standard BLUE RAL 5010

OPTION / ACCESSORIES

- Swing Lip 500 mm
- Split lip: Small separate lip 150 mm Both side for Loading
- Side and Rear Weather Seal
- Insulation Foam under deck
- Dock leveler Frame: Galvanized Steel
- Dock leveler Frame: Stainless Steel
- Painting in RAL Color: Customer's choices
- Interlocking of Door and Dock leveler



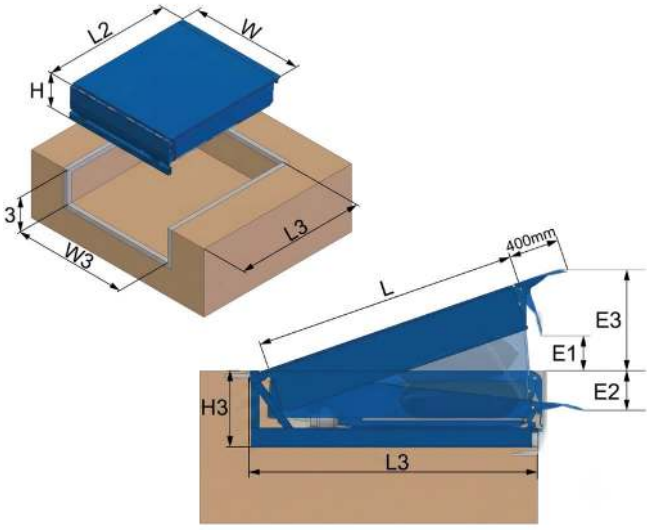
ROCKIES AIR-BAG DOCK LEVELER

Rockies Air Bag Dock Levelers offer a cost-effective and modern solution compared to traditional mechanical levelers, eliminating concerns over frequent parts replacement and maintenance. Utilizing proven Air Bag Technology, widely applied in heavy lifting across mining, construction, and industrial sectors, Rockies has adapted this innovation to deliver durability, reliability, and consistent performance for everyday loading dock operations.



TECHNICAL DESCRIPTION

The Rockies Air Bag Dock Leveler utilizes a pneumatic, mechanical, and electric control system to provide smooth and reliable operation with a single push-button. The low-pressure air bag lifting technology, proven for over 50 years, eliminates the need for chains, springs, and hold-downs, reducing maintenance requirements. Designed for loads up to 8 tons, the deck and lip are constructed from high-tensile 50,000 PSI steel with a robust beam structure for maximum durability. The puncture and abrasion-resistant cylindrical air bag ensures long service life, while the Clean-Frame™ design allows easy access for cleaning, inspection, and maintenance.



	Lip	L	W	H	L2	L3	W3	H3	E1	E2	E3
2500	4000	2400	1800	600	2500	2500	1840	610	330	295	770
			2000				2040				
			2200				2240				
3000		2900	1800		3000	3000	1840		390	295	830
			2000				2040				
			2200				2240				

Platform Width 1800 or 2000

PRODUCT BENEFITS



- **PUSH-BUTTON CONVENIENCE**

Simple one-touch operation.

- **PROVEN PERFORMANCE**

Durable and reliable for demanding daily operations.

- **COST-EFFICIENT OPERATION**

Lower maintenance requirements and operating costs.

- **SMOOTH & PRECISE DECK MOVEMENT**

Ensures safe, stable, and precise operation.

- **EXTREME CONDITION CAPABILITY**

Reliable performance in temperatures from -54°C to +82°C.

ADVANTAGE

Built for long-lasting durability and reliable performance, the Rockies Air Bag Dock Leveler features a reinforced PVC-coated polyester air bag that resists chemicals, oil, gasoline, abrasion, cuts, and punctures. Proven through extensive testing, it delivers consistent performance even in harsh operating environments.

- **DURABILITY**

Maintains reliable operation under demanding conditions.

- **PUNCTURE TEST**

Continues functioning despite multiple punctures and can be repaired easily with a low-cost vinyl patch.

- **ENVIRONMENTAL TEST**

Validated through long-term testing in extreme temperatures, chemical exposure, high altitudes, and heavy-traffic applications without performance loss.

MATERIAL DESCRIPTION

Upper plate 6 mm Thickness

- Swinglip: Single 12 mm Thickness Length
- Support Profile: C- Shape Stiffener

Dynamic Load Capacity 6,000 kg
Standard up to 25,000 kg

- Painting in RAL Color: Standard BLUE RAL 5010

OPTION / ACCESSORIES

- Swing Lip 500 mm
- Split lip: Small separate lip 150 mm Both side for Loading
- Side and Rear Weather Seal
- Insulation Foam under deck
- Dock leveler Frame: Galvanized Steel
- Dock leveler Frame: Stainless Steel
- Painting in RAL Color: Customer's choices
- Interlocking of Door and Dock leveler

SAFETY ITEMS

- Can be interlocked with other dock devices via the Rockies Master Control Panel™ for sequential operation, ensuring maximum safety and efficiency.
- Push-button operation reduces the risk of operator injury from manual handling.
- Heavy-duty construction supports fully loaded forklifts, minimizing downtime and potential damage.

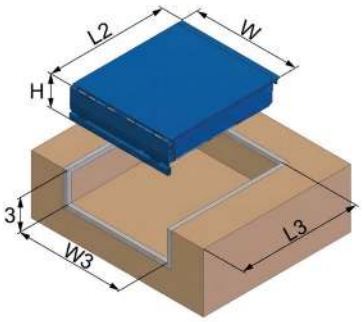
ROCKIES MECHANICAL DOCK LEVELER

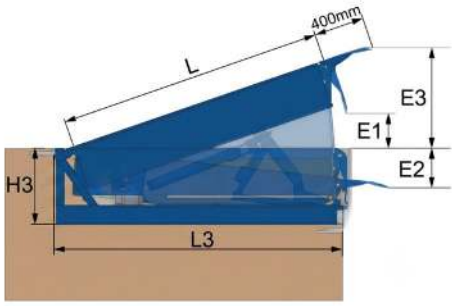
The Mechanical Dock Leveler with swing lip design offers reliable performance for a wide range of loading operations. It is engineered to handle a standard load carrying capacity of 60 kN, with higher load ratings available upon request. The platform supports a maximum gradient of 12.5%, ensuring smooth and efficient bridging between dock and vehicle. Designed for versatility, this dock leveler is ideal for applications in warehousing, distribution, logistics, chemical industry, and light industry, providing a safe and efficient solution for daily loading and unloading processes.



TECHNICAL DESCRIPTION

Swing/Hinge lip dock leveller can have load carrying capacity of 60kN as standard, higher rated loads are available on request. The maximum gradient of the platform is 12,5%. Typical Applications are Warehousing, Distribution, Logistics, Chemical Ind. and Light Industry.





	Lip	L	W	H	L2	L3	W3	H3	E1	E2	E3
2500	4000	2400	1800	600	2500	2500	1840	610	330	295	770
			2000				2040				
			2200				2240				
3000		2900	1800		3000	3000	1840		390	295	830
			2000				2040				
			2200				2240				

Platform Width 1800 or 2000



Mechanical Self-locking Floating Mechanism: Control the self-locking position and static state and the floating design of the truck effectively.



Return Buffer System: Reduce the damage of mechanical parts effectively.



Balance Spring: 60Si2Mn material, 4 pieces.



Safety Support System: Support the adjustment plate during equipment maintenance and overhaul safely.

PRODUCT BENEFITS

- Fully mechanical, single-handed Pull-Chain operation
- Checkered Plate main dock and lip
- Positive Hold-down Device Allow up and down float when in service
- Safety leg provide emergency support should a tailer depart with a load on a platform

ADVANTAGE

- Suitable for non-powered and explosion-proof areas
- Ensure normal operation in the event of a power outage
- Full working range foot guard: to ensure the safety of the operator's feet
- Instaliation and service are very simple, the quality is very stable and the service life is long
- Soft-release zipper design provides easy, smooth operation



MATERIAL DESCRIPTION

Upper plate 6 mm Thickness

- Swinglip: Single 12 mm Thickness Length
- Support Profile: C- Shape Stiffener

Dynamic Load Capacity 6,000 kg
Standard up to 25,000 kg

- Painting in RAL Color: Standard BLUE RAL 5010

OPTION / ACCESSORIES

- Swing Lip 500 mm
- Split lip: Small separate lip 150 mm Both side for Loading
- Side and Rear Weather Seal
- Insulation Foam under deck
- Dock leveler Frame: Galvanized Steel
- Dock leveler Frame: Stainless Steel
- Painting in RAL Color: Customer's choices
- Interlocking of Door and Dock leveler

ROCKIES TELESCOPIC LIP DOCK LEVELER



Rockies Telescopic Lip Dock Leveler is designed to bridge the gap between loading docks and vehicles safely and efficiently. The hydraulic platform and telescopic lip provide smooth, precise positioning while accommodating different truck heights for reliable loading and unloading operations.

TECHNICAL DESCRIPTION

- **Operation**

The platform and telescopic lip are independently controlled by a 4-switch system for precise positioning. The platform automatically raises, extends the lip onto the truck bed, and lowers to the loading position. During operation, the platform follows the vehicle's vertical movement while the 600–1200 mm non-slip telescopic lip provides secure contact with the truck bed.

- **Drive**

Separate hydraulic cylinders provide precise platform and lip operation. The fully enclosed hydraulic system protects against contamination, while the compact power pack and oversized cylinders ensure reliable performance, long service life, and low maintenance.

TECHNICAL SPECIFICATION

Standards	CE certifiied
Capacity (EN 1398)	60 kN
Construction height	700 mm
Sliding length	0 - 1000 mm
Lip angle	ca. 5
Motor	1, 1 kW
Power supply	400 V / 50 Hz / 2,5 A
Control current	24 V DC
Protection class	IP 54
Working pressure	ca. 100 bar
Outside diameter main cylinder	65 mm
Outside diameter lip cylinder	50 mm
Operating temperatures between	-30˚ and +50˚ Celsius
Standard colour	(black) RAL 9005

MATERIAL DESCRIPTION

Upper plate 6 mm Thickness

- Swinglip: Single 12 mm Thickness Length
- Support Profile: C- Shape Stiffener

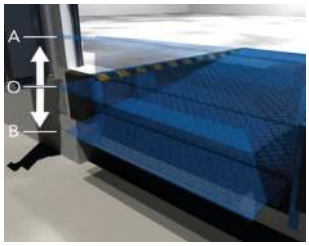
Dynamic Load Capacity 6,000 kg
Standard up to 25,000 kg

- Painting in RAL Color: Standard BLUE RAL 5010

PRODUCT BENEFITS

Rockies Telescopic Lip Dock Leveler is designed in accordance with EN 1398, operating safely within a ±12.5% (±7°) working range. Its stepless telescopic lip extends from 0–1000 mm, providing a minimum 250 mm overlap on the vehicle bed for safe and secure loading.

DIMENSIONS / WORKING RANGE



L2 = Platform length
BH= Construction height
A = Effective working range above dock
B = Effective working range below dock

ADVANTAGE

Standards

The dock leveller 233A is CE marked (as 233NG). The Loading Systems dock levellers are in accordance with all safety aspects of the European standard EN 1398. The standard load capacity, which is 60 kN (axle load) is designed on a minimum surface contact per wheel of 150 x 150 mm and a maximum gradient of the platform top of 12.5 percent, in accordance with the European standard EN 1398.

Dimensions (mm)			
L2	BH	1000 mm Lip	
		±A	±B
2.500	700	395	465
3.000		455	435
3.500		435	405
4.000		400	385
Platform Width 2.000 or 2.250 mm			

SAFETY ITEMS

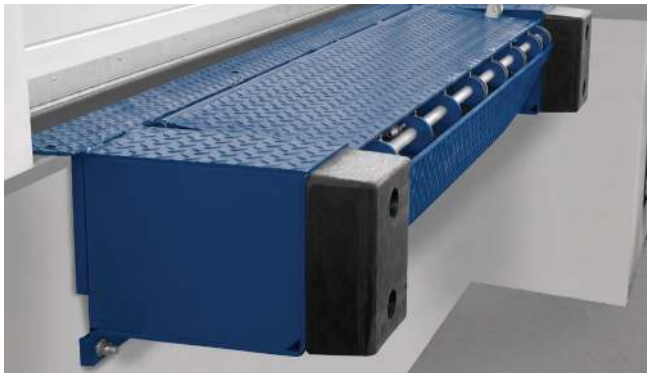
Standard safety provisions

- Full hydraulic safety stop;
- Main switch (can also be used as emergency switch);
- Non retractable sliding toe guards;
- Sturdy steel supports for transverse movements (cross traffic);
- Black / Yellow safety markings;
- Non-removable maintenance strut;
- Motor safeguards by means of a thermal relay;
- Control panel instruction symbols.

OPTION / ACCESSORIES

- Swing Lip 500 mm
- Split lip: Small separate lip 150 mm Both side for Loading
- Side and Rear Weather Seal
- Insulation Foam under deck
- Dock leveler Frame: Galvanized Steel
- Dock leveler Frame: Stainless Steel
- Painting in RAL Color: Customer's choices
- Interlocking of Door and Dock leveler

ROCKIES EDGE OF DOCK LEVELER



The Rockies Edge-of-Dock Leveler (Mini Dock Leveler) provides a safe and efficient bridge between the loading dock and vehicle where height differences are minimal. Available in Mechanical and Hydraulic versions, it offers reliable operation, low maintenance, and is an ideal, cost-effective solution for loading docks where pit installation is not required.

TECHNICAL DESCRIPTION

The Rockies Edge-of-Dock Leveler is permanently mounted to the dock edge to bridge the gap between the loading dock and truck bed. It operates within a ±100 mm working range, making it ideal where pit-mounted dock levelers are not feasible. The Mechanical model features manual operation with gas spring assistance, while the Hydraulic model offers simple push-button operation.

PRODUCT BENEFITS



Hydraulic Edge of Dock Leveler

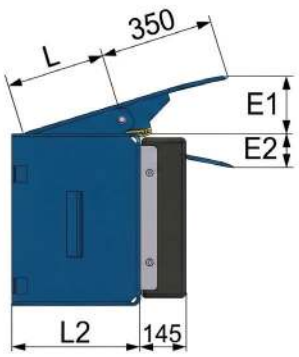
- Suitable for applications with small differ
- ences between truck and dock height.
- No foundation pit required.
- Easy push-button operation.
- Saves installation time and floor space.

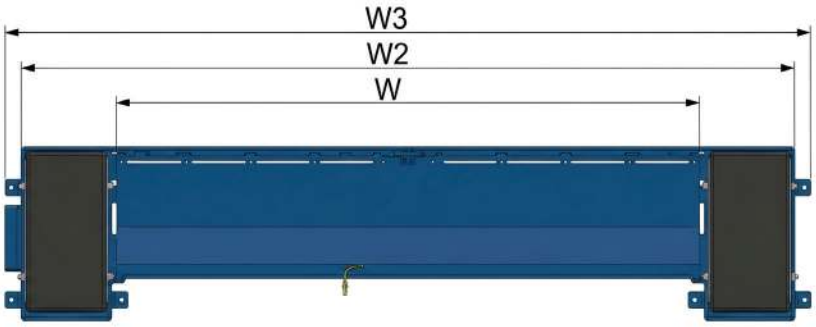


Mechanical Edge of Dock Leveler

- No electrical power required.
- No foundation pit required.
- Space-saving installation.
- Stable performance with simple operation.
- Gas spring assistance reduces operating effort.







	LIP	L	W	H	L2	W2	W3	E1	E2
1800	352	310	1800	535	400	2390	2490	170	110
2100			2100			2690	2790		

ADVANTAGE

- Cost-effective loading solution.
- Ideal where pit leveler installation is not feasible.
- Available in Mechanical and Hydraulic configurations.
- Smooth, reliable, and ergonomic daily operation.
- Low maintenance requirements.
- Ideal replacement for outdated dock plates.

SAFETY ITEMS

- Developed in compliance with **EN 1398 European**
- Capacity: 6000 kg.
- Suitable for manual pallet trucks and forklifts.
- Open hinge lip construction with lifetime guarantee.
- Solid welded connection between the lip plate and support beams.
- Maintains a 7.5° lip angle to ensure full contact with the vehicle bed.
- Helps prevent tripping hazards during loading and unloading operations.
- Designed to comply with ergonomic operating requirements.

MATERIAL DESCRIPTION

Upper plate 6 mm Thickness

- Swinglip: Single 12 mm Thickness Length
- Support Profile: C- Shape Stiffener

Dynamic Load Capacity 6,000 kg
Standard up to 25,000 kg

- Painting in RAL Color: Standard BLUE RAL 5010

OPTION / ACCESSORIES

- Swing Lip 500 mm
- Split lip: Small separate lip 150 mm Both side for Loading
- Side and Rear Weather Seal
- Insulation Foam under deck
- Dock leveler Frame: Galvanized Steel
- Dock leveler Frame: Stainless Steel
- Painting in RAL Color: Customer's choices
- Interlocking of Door and Dock leveler

ROCKIES VERTICAL DOCK LEVELER

The Vertical Dock Leveler is an ideal loading solution for facilities requiring high standards of cleanliness, safety, and temperature control. Its vertical storing design allows the dock door to close tightly against the floor, helping maintain warehouse insulation while providing easy access for cleaning and maintenance. Engineered for safety, security, environmental control, and the smoothest transition in the industry.



TECHNICAL DESCRIPTION

Hydraulic Cylinder

- Leveler Deck Cylinder & Leveler Lip Cylinder

Mechanical Manual Bridges

Mechanical drawbridges are installed on an open ramp and compensate the height difference up to 360 mm. They are designed for using with cars that have nearly the same height.

PRODUCT BENEFITS

Mechanical Manual Bridges

Mechanical drawbridges are installed on an open ramp and compensate the height difference up to 380 mm. They are designed for using with cars that have nearly the same height.

Available Configurations



Sliding Vertical Storing



Stationary Vertical Storing

Runoff Guards	Optional
Leveler Deck	8mm thick embossed non-slip steel from BENSTEEL
Leveler Lip	16mm thick, 400mm long, non-slip steel
Safety Foot GuardUnder	1.5mm thick,Whole piece foot guard
Leveler	C profile/ I profile
Link Hinge	Tubular Hinge
Link shaft	D=28mm
Hydraulic Cylinder	Leveler Deck Cylinder & Leveler Lip Cylinder



MATERIAL DESCRIPTION

Upper plate 6 mm Thickness

- Swinglip: Single 12 mm Thickness Length
- Support Profile: C- Shape Stiffener

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- Painting in RAL Color: Customer's choices
- Interlocking of Door and Dock leveler

ADVANTAGE

Engineered for safety, security, environmental control and the smoothest transition in the industry.

SAFETY ITEMS

Safety Foot Guard Under

- 1.5mm thick, Whole piece foot guard

ROCKIES LOADING DOCK SEALS



Rockies Dock Seals provide excellent protection against draughts, rain, and wind, ensuring a perfect seal between the lorry and the building. This prevents energy loss and potential damage to cargo. The system is designed to accommodate narrow doors and standardized vehicle fleets. Watertight welded covers, vertical pad guide stripes, and various pad shapes enhance sealing performance and durability.

PRODUCT BENEFITS

- **Tight sealing environment**

High-performance sponge with a maximum compression density of up to 70% ensures a tight seal.

- **Optimized safety protection**

Effectively reduces energy loss while ensuring personal and property safety.

- **Reduced pressure and friction**

A unique pressure-relief design effectively reduces friction between the dock seal and the vehicle, extending the service life of the seal.

- **Enhanced performance**

The fabric is secured with screws and metal grommets, ensuring consistent and even air release.

TECHNICAL DESCRIPTION

Rockies Dock Seals have two side cushions and a top cushion filled with foam rubber. The PVC-covered side cushions guide drivers, while the top cushion forms a flexible roof. They fit lorry trailers perfectly, resist friction and weather, and compress to seal air and elements. The ABFM model features a movable head panel for varying vehicle heights, with up to 1000 mm of canvas movement.

key Specification

- Standard size for Container loading: 2900 x 3500 mm (customized availiable)
- Door Opening for Cotainer Loading: 2300 x 3000 mm
- Height of Top Curtain: 450 mm
- Width of Side Curtain: 300 mm with wear pleat cover 100 mm
- Projection of Dock Seal: 250 mm
- Head Pad Drop with Follower Curtian pull down 1000 mm

- **Wear-resistant pleats**

Pleats on the top and sides provide extra wear protection, significantly extending the service life of the dock seal.

- **Galvanized steel backing**

Eliminates potential issues with traditional wooden backing plates, such as warping, rotting, and corrosion.

- **Guide stripes**

Highly reflective yellow guide stripes improve safety and visibility for drivers.

ADVANTAGE

Rockies Dock Seals use durable materials and smart design for long-lasting performance. PVC canvas covers and a galvanized tube structure provide strength, while welded reinforcements add durability. The adjustable roof panel ensures consistent sealing for vehicles of different heights.

MATERIAL DESCRIPTION

- 0.5 mm thick PVC canvas covers
- Galvanised tube perimeter structure
- Vertical reflective bands
- Welded reinforcements/edges for increased durability
- Galvanised steel cover
- Adjustable and movable roof

SAFETY ITEMS

All Refrigerated Dock Seals are equipped with vertical reflective bands that improve visibility for drivers during manoeuvring. This reduces the risk of collisions that could damage the facility or vehicles. The flexible foam construction ensures safe and controlled contact between vehicle and dock.



REFRIGERATED SHELTER with Adjustable Roof

1. 0.5 mm thick PVC canvas covers
2. Welded reinforcements / edges for increased durability
3. Adjustable and movable roof
4. Vertical reflective bands
5. Galvanised steel cover
6. Galvanised tube perimeter structure

Width	2900 mm
Height	3500 mm
Range of movement of top foam	1200 mm

ROCKIES RETRACTABLE DOCK SHELTER

Collapsible Aluminium Dock Shelters

Rockies dock shelters with collapsible design protec against draughts, rain, and wind. They ensure perfect sealing between lorry and building and protect against energy loss and possible damage to the goods. The built-in rain water channel deflects water from the roof to the outside of the shelter.

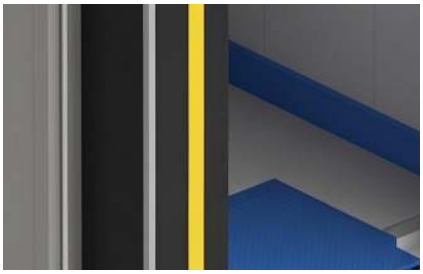


PRODUCT BENEFITS

- Rain water channel on the side inside
- Flexible roof construction of galvanized steel
- Aluminium frame construction
- No visible screws on front side
- Designed for universal use
- Spring-back frame
- Bracing arms made of galvanized steel



Aluminum alloy profile reinforcement



Yellow reflective waming tape



PVC Cord



Curtain Opening



Customizable Size



Various Types

TECHNICAL DESCRIPTION

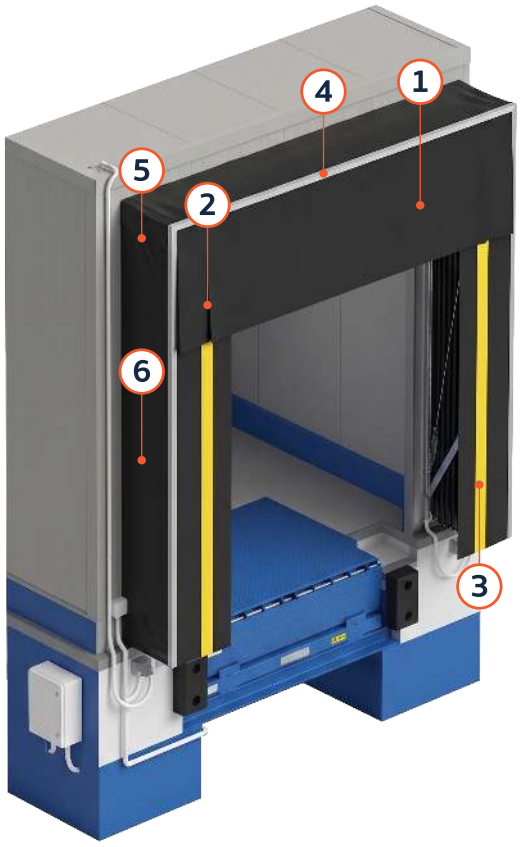
Front Curtain	
Size (W x H x D)	3400x3600x600 mm
Longitudinal Tensile Force	>550 N
Transverse Tensile Force	>900 N
Ultimate Tensile Strength	250 N/mm²
Metal Friction Coefficient	0.3
PVC Friction Coefficient	0.4
Thickness	3 mm
Weight	3.6 kg/mm
Operating Temperature Range	-35°C to +90°C
Side Curtain	
Tensile Resistance	250 N
Thickness	0.5 mm
Weight	0.7 kg/mm
Aluminium Alloy Frame	
Back-End Profile Size	50 x 44 mm
Front-End Profile Size	45 x 44 mm
Frame Size	50 x 25 x 2.5 mm

OPERATION

- Flexible frame construction minimizes damage from errant vehicles
- White approach/marking stripes on the front aprons guide vehicle drivers
- Attachment of the awnings without screws reduces risk of vehicle damage







MATERIAL DESCRIPTION

1. Polyester canvases covered with 3 mm thick PVC
2. Galvanized tube perimeter structure
3. Vertical reflective bands
4. Welded top reinforcement for increased durability.
5. Incline for rainwater drainage
6. 0.5 mm thick flexible canvas covers

ROCKIES INFLATABLE DOCK SHELTER



The Rockies Inflatable Dock Shelter provides an automatic, efficient, and safe loading environment. Once activated, the air bags inflate before the door opens and deflate after loading is complete. The system automatically resets as the dock leveller returns to its resting position, the door closes, lights switch off, and the traffic signal turns green. When not in use, the cushions retract neatly behind protective strips, keeping the building clean and visible.

PRODUCT BENEFITS

- Durable PVC/Cordura air bags
- Tight sealing between truck and dock
- Energy-efficient temperature control
- Twin-motor system for quick, safe inflation
- Fully integrated with the loading system

SAFETY ITEMS

- AutoDock system ensures dock leveller returns safely before door closure
- Automatic traffic light signal after loading completion
- Electrical and control circuit protected by fuses
- Impact-resistant and weatherproof materials (-20°C to +70°C)

TECHNICAL DESCRIPTION

Technical Features and Performance	
Nominal height	3600 mm up to 4000 mm
Nominal free height	3000 mm up to 3400 mm
Nominal width	3500 mm
Nominal free width	2900 mm
Nominal depth	800 mm up to 1200
Top bag extension	1200 up to 1500
Side bag extension	800 mm Inflated
Wall and roof	40 mm insulated panel
Standard RAL colour	RAL 9002 (white for wall & roof)
Fabric quality	70% PVC polyester / 30% Polyamide
Top bag	500 g/m²
Side bags	front 900 g/m², rear 500 g/m²
Front canvases	PVC 3200 g/m²
Electrical Performances	
Fan motor	230 V, 1-phase, 50/60 Hz
Blind motor	230 V, 1-phase, 50/60 Hz
Noise level	<75 dB (in operation)
Working temperature	-20°C to +70°C
Box type & size	Polyester 190 × 240 × 105 mm
Protection	IP55 (UNE 20324)
Impact resistance	IK7 (UNE-EN 50102)
Control circuit	12 VAC (by transformer)
Motor protection	Fuse
Control circuit protection	Fuse
Connections	Numbered terminal block

OPERATION

- **Docking**

Air bags remain deflated while the vehicle positions at the dock, with reflective bands guiding alignment.

- **Sealing**

Once parked, the air bags inflate to seal the gap between the vehicle and the dock, ensuring optimal thermal insulation during loading/ unloading.

- **Completion**

After loading, the air bags deflate, allowing the vehicle to safely depart from the dock.





ADVANTAGE

- Fully automatic operation sequence from door opening to closing
- Compact retraction of air bags keeps the building neat and driver's visibility clear
- Low energy consumption with efficient blower motor
- Quick installation and easy maintenance or part replacement

Rockies inflatable dock shelters mainly comprise the following:



- **Structure**

The two types of inflatable shelters are built with a panel structure and 40 mm anodised aluminium finishes.

- **Canvases**

The set of inflatable canvases of the Premium shelter are made with a reinforced polyester fabric of 900 gr/m^2. The front canvases are made with a double inner polyester fabric and PVC single line weft 3 mm thick.

ROCKIES SCISSOR LIFT TABLE

Rockies Scissor Lift Table is the most common industrial lift in this industry. It raises and lowers as hydraulic fluid is forced into or out of the hydraulic cylinder.

It can also be widely used in equipment maintenance, stations, docks, bridges, halls, workshops, indoor and outdoor mechanical installation, equipment maintenance, building maintenance, and so on.



TECHNICAL DESCRIPTION

When hydraulic oil is forced into the hydraulic cylinder, the hydraulic cylinder moves outward, forcing the scissor legs apart.

- **Capacity**

The capacity can be customized according to your needs, from 500 KG to 100000 KG.

PRODUCT BENEFITS

- **Simple Operation**

Push-button activation provides the dock attendant full control over all functions for easy and safe operation.

- **Versatile Loading and Unloading**

Hydraulic lift makes it possible to safely and efficiently service all standard trailer heights.

- **High Reliability**

Unique scissor fork design ensures maximum stability of the body during operation.

- **Easy Installation**

Simply install the controller to use it immediately.

ADVANTAGE

- **Advantage Superior Stability**

High tensile structural tube scissor legs with extra slance base frame provide unit integrity and allow increased side-loading capability.

SAFETY ITEMS

- Protect Hydraulic pipe
- Anti-Hydraulic pipe rupture
- Emergency decline values: can go down when you meet an emergency
- Overload protection locking device
- Anti-dropping device





CUSTOMIZED SIZING

Item	Description
Material	Painted Steel / Galvanized steel / Stainless steel
Scissor structure	1 -3 X layers
Power Supply	380V / 220V
Color	RAL Code
Control Way	Control panel with Press up / Stop / Down
Safety Precuations	• Values: Protect Hydraulic pip , Anti-Hydraulic pipe rupture • Emergency decline values: can go down when you meet an emergency • Overload protection locking device • Anti-dropping device
Load capacity	Customized designed
Guard rail	Customized designed



DETAILS DISPLAY / KEY COMPONENTS



Control Handle Switch



Remote Control (Optional)



Foot-Step Control (Optional)



Automatic Aluminum Safety Sensor for Anti-pinch



Explosion-proof Valve Solenoid Valve



Travel Switch to Protect Cylinders Stop properly



High Qualoty Electric Pump Station & Electric Motor



Perfect Clamping & Durable Scissor Structure



Metric System Hydraulic Fittings with Italy Aston Seals



High Quality Electrical Parts



Durable Hydraulic Cylinder



Excellent Powder Coating

OPTION / ACCESSORIES

- Interlocking control with Door - Sensor - Tower Light and Sound
- Safety bellow curtain
- Scissor Lift Table with Wheel
- Scissor Lift with Roller



Scissor Lift Table with Safety Bellow (Optional)



Scissor Lift Table with Wheels (Optional)

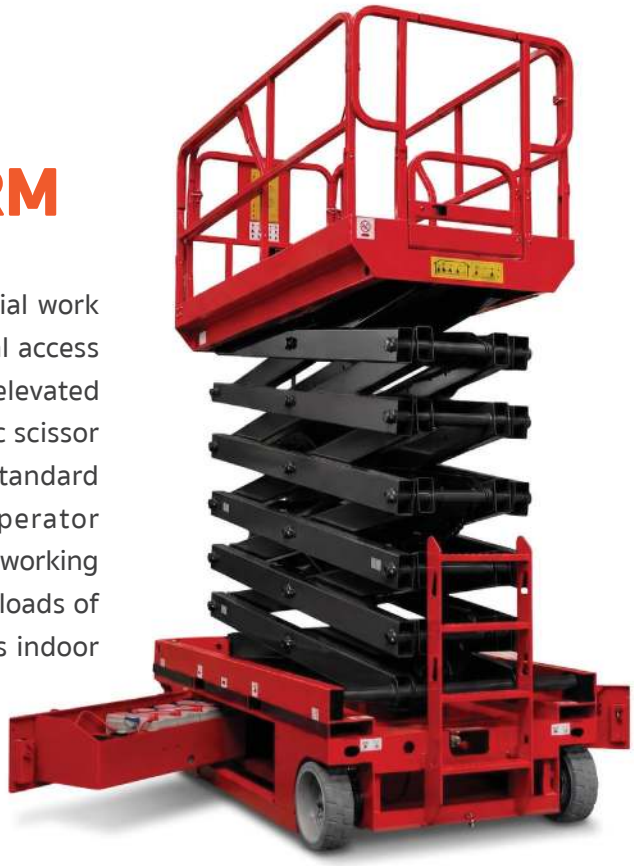


Scissor Lift Table with Roller (Optional)

CUSTOMIZED LIFT TABLE



ROCKIES HYDRAULIC SCISSOR LIFT PLATFORM



Rockies Hydraulic Scissor Lift Platform is a mobile aerial work platform designed to provide safe and efficient vertical access for maintenance, installation, inspection, and other elevated working applications. The platform features a hydraulic scissor lifting mechanism and is equipped with a range of standard configurations that support stable operation, operator safety, and ease of use. Multiple models are available with working heights ranging from 8 m to 15.8 m and safe working loads of up to 450 kg, making the platform suitable for various indoor and industrial applications.

TECHNICAL DESCRIPTION

Product standard configuration

- Proportional control
- Automatic braking system
- Buzzer
- Extension Platform
- Automatic pit protection system
- Emergency descent system
- Charging protection system
- Platform self-locking door
- Emergency stop button
- Work schedule
- Strobe light
- Oil pipe explosion-proof system
- Safety maintenance support rod
- Seamless tire
- Fault diagnosis system
- Standard transport forklift holes
- Tilt protection system

MAIN TECHNICAL PARAMETERS

Model	MDS0608MP	MDS0810MP	MDS1012MP	MDS1214MP	MDS1416MP
Safe Working Load	450 kg	450 kg	320 kg	320 kg	230 kg
Extended Platform Safe Working Load	110 kg	110 kg	110 kg	110 kg	110 kg
Maximum Number of Workers	4 Persons	4 Persons	3 Persons	3 Persons	2 Persons
Maximum Working Height	8 m	10 m	12 m	13.8 m	15.8 m
Maximum Platform Height	6 m	8 m	10 m	11.8 m	13.8 m
Overall Length	2.43 m	2.43 m	2.43 m	2.43 m	2.8 5m
Overall Width	1.21 m	1.21 m	1.21 m	1.21 m	1.31 m
Overall Height (the fence is not folded)	2.2 m	2.35 m	2.4 m	2.6 m	2.62 m
Overall Height (fence folding)	1.67 m	1.8 m	1.93 m	2.06 m	2.06 m
Working Platform Size (L × W) (m)	2.27 × 1.12	2.27 × 1.12	2.27 × 1.12	2.27 × 1.12	2.7 × 1.11
Overall Weight	2200 kg	2320 kg	2640 kg	2980 kg	3570 kg

VEHICLE RESTRAINT



Vehicle Restraint is installed on the outer facade and horizontal ground of the platform, it restricts the movement of the truck by clamping the anti-collision tail pole of the truck, ensuring safe and stable loading and unloading operations for forklifts.

TECHNICAL DESCRIPTION

- Installed on the outer facade and horizontal ground of the platform.
- Restricts truck movement by clamping the anti-collision tail pole.
- Connects to dock levelers and sectional industrial doors for interlocking and linkage control.
- Sends an alarm when the truck is not in the effective locking position.

ADVANTAGE

- Height adjustment range 280–680 mm, suitable for various truck anti-collision tail pole heights, with a 14500KG tensile force.
- Indoor and outdoor LED red/green signal lights provide safe operation guidance for truck and forklift drivers.
- Supports interlocking with dock levelers and sectional industrial doors through an integrated control box.

MATERIAL DESCRIPTION

Item	Specification
Load Capacity	14500KG
Color	Galvanized
Structural Panel	Q345 Baosteel steel plate
Bearing Track	16Mn Steel
Lock hook	65Mn Steel (Yellow Dichromate Finish)
Control System	PLC Control, 24V Safe Voltage Control
Free Floating Device	60Si2Mn special spring rebound and directional guide device
Interior Signal Light	LED 3W
External Signal Light	LED 5W
Signal Conversion System	Waterproof oil control electronic switch

SAFETY ITEMS



- Trucks leave early
- Collapse of floor stand



- Overturning of trucks
- Slipping of trucks

MANUAL TRUCK RESTRAINT

from Loading System



The 503NG Manual Vehicle Restraint is a robust and reliable wheel restraint system designed to prevent vehicle movement during loading and unloading. Constructed with hot-dip galvanized and powder-coated components, it offers excellent durability, ergonomic operation, LED status indication, wheel detection, and secure locking for enhanced loading dock safety.

TECHNICAL SPECIFICATION

Motor	
Net working range	1600 mm or 3300 mm
Blocking Height	320 mm
Construction Height	400 mm
Truck Blocking Length	3320 mm
Blocking length incl. wheel guides	5350 mm
Required free space for loading dock	6850 mm
Control Box	
Grid Connection	1x230V/earth
Main fuse	1x16A
Master controller	24V DC
Protection rating	IP65

PRODUCT BENEFITS

- Enhanced loading dock safety
- Compatible with dock levellers and doors
- Integrated wheel detection
- LED work light for better visibility
- Ergonomic design with emergency release
- Wide operating range for various vehicles
- Suitable for new and existing installations
- Low maintenance with few moving parts
- Maximum safety, minimal investment

ADVANTAGE

Additional information

The Manual vehicle restraint system 503NG

- Is suitable for vehicles with a fixed or lockable steerable rear axle
- For vehicles with a wheel diameter between 650 to 1200 mm
- Acts as a theft-deterrent



WHEEL GUIDES

The two hot-dip galvanized wheel guides ensure that the truck is always correctly positioned in front of the loading and unloading opening.

The wheel guides can be partially powder-coated in a desired colour.

Proper docking prevents damage to vehicles and buildings.

SAFETY ITEMS

Operation of out door System



Step 1



Step 2



Step 3



Step 4



Step 5



Step 6

- **Blocking the Truck**

Step 1 Park the truck/trailer backwards against the loading dock

Step 2 Move the locking system towards the rear wheel

Step 3 Position the wheel locking arm by moving the locking system and rotating the control arm.

Step 4 Lock the system with the red foot pedal

Unblocking is only possible when the system is released from the inside!

- **Unblocking the Truck**

Step 4 Unlock the system with the black foot pedal

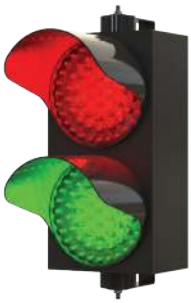
Step 5 Position blocking arm back in rest position

The truck can now safely leave the loading dock.

OPTION / ACCESSORIES

- **Traffic lights**

A traffic light with a red and green light will be placed on the facade. In this way, those in the area can be informed about the status of the blocking system.



- **Operation of the internal system**

The control box with display provides intuitive operation and can be integrated with other dock equipment for enhanced safety.



AUTO TRUCK RESTRAINT

from Loading System



The 505NG Vehicle Restraint System can easily be operated and is virtually free from failures. This is achieved because we have designed a product with a limited number of moving parts. We have designed a product which restricts the number of mechanical drives to only the essential components. This also results in simple and minimum maintenance requirements.

TECHNICAL DESCRIPTION

- **Operation**

The 505NG Vehicle Restraint System is operated via an internal control box. The hydraulic wheel restraint automatically detects and locks the vehicle's last wheel to prevent premature pull-away or "crawling". The system is installed with a wheel guide to ensure proper vehicle positioning at the loading bay.

- **Standards**

The control meets the requirements of Annex I of the directive 2006/42/EC, the EMC Directive 2004/108/EC and the harmonized standards EN ISO 13849-1:2008 /AC:2009 and EN 60947-5-1:2004/A1:2009.

TECHNICAL SPECIFICATION

Standards	CE marking
Length of stroke	3.250 mm
Net stroke	2.800 mm
Stroke lateral movement	400 mm
Construction height	350 mm
Total length	7.500 mm
Length needed in front of dock approx	8.500 mm
Time needed for locking	30 sec.
Electrical capacity	2.2 kW
Mains connection	3x400V/50Hz/neutral and earth
	3x230V/earth
Mains fusing	3 x 16A
Control current	24 V DC
Set-up	Outside (hydro-unit and control inside)
Degree of protection	IP65 (Control box)
Pressure relief valve	230 Bar
Pressure switch blocking	50 Bar
Power blocking	14kN (=1.400 kg)
Pressure switch releasing	210 Bar
Power releasing	15.5kN (=1.550 kg)
Noise level	74 dB(A)

PRODUCT BENEFITS

- Easy operation with minimal moving parts and low maintenance.
- Integrated wheel guide ensures correct vehicle positioning.
- Prevents equipment and vehicle damage during loading/unloading.
- Closed design prevents debris accumulation and operates in all weather conditions.
- Reduces theft risk and supports integration with other dock equipment for enhanced safety.

ADVANTAGE

- Automatically detects and restrains the vehicle's last wheel to prevent premature pull-away or "crawling".
- Ensures the vehicle is correctly centred at the loading bay.
- Can operate independently or be integrated with dock equipment interlocks for increased safety.

MATERIAL DESCRIPTION

The robust, hot-galvanised construction is designed to keep a parked vehicle locked safely in place.

The design also incorporates an integrated vehicle wheel guide which ensures that the vehicle is always positioned in the centre of the loading or unloading bay.

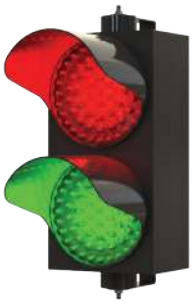
Due to the closed system of the 505NG, accumulation of debris underneath the system will be prevented.



OPTION / ACCESSORIES

- **Traffic lights**

A traffic light with a red and green light will be placed on the facade. In this way, those in the area can be informed about the status of the blocking system.

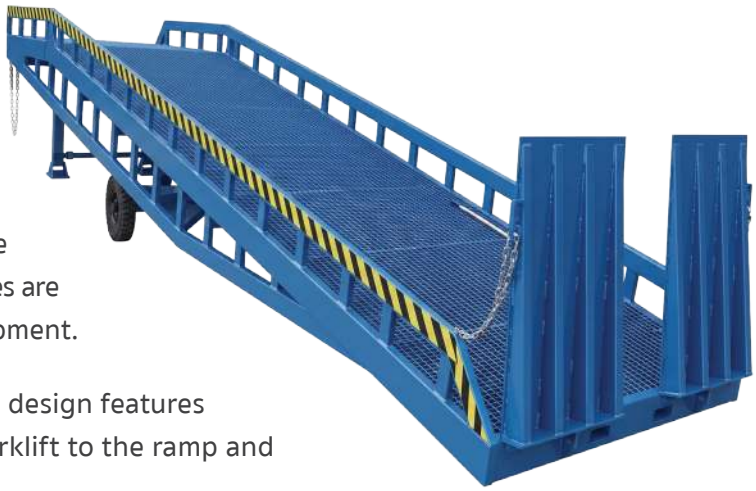


- **Operation of the internal system**

The control box with display provides intuitive operation and can be integrated with other dock equipment for enhanced safety.



LOADING DOCK RAMP



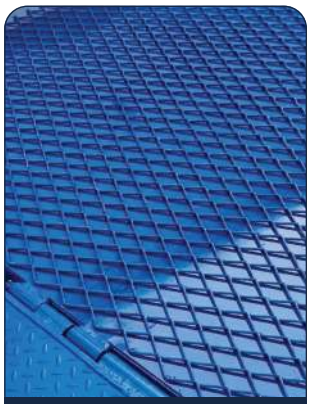
Loading Dock Ramp is designed to mitigate the most common hazards involved when employees are required to engage and position mobileequipment.

Our dock ramp is fully-loaded with patented design features that simplify the process of connecting a forklift to the ramp and engaging the wheel base to unload trailers.

TECHNICAL DESCRIPTION



Protective foot guard



Board surface



Trailing device



Tires



PRODUCT BENEFITS

- Customized: We can customize additional sizes according to customer needs.
- Low Maintenance: Our dock to ground ramps require minimal cleaning and repair.
- Easy to use: Our dock can be installed quickly and stored easily.
- Durability: Our dock is designed to withstand frequent usage at heavy capacities.

ACCESSORIES & SAFETY EQUIPMENT



SET OF TRAFFIC LIGHTS

Traffic lights provide clear visual signals to drivers and loading bay operators, indicating when the loading bay is ready for docking. Equipped with energy-efficient LED lights, they offer excellent visibility, low maintenance, and a long service life. The system can also be customized to suit specific operational requirements.



SAFETY WHEEL CHOCKS

Safety wheel chocks keep trucks securely in place during loading and unloading operations. Electronic wheel chocks can be interlocked with the dock leveler, door, and traffic light system, allowing operation only when the chock is correctly positioned. A built-in sensor verifies the wheel chock position to enhance operational safety.



DOCK LIGHTS

Dock Lights improve visibility inside trailers during loading and unloading operations. The articulated light provides bright, focused illumination and features an adjustable swivel arm for easy positioning and installation beside the loading door.



TRAILER WHEEL GUIDES

Trailer wheel guides help prevent docking damage by guiding trucks into the correct position. Made from galvanized steel and installed in pairs along the loading dock approach, they alert drivers if contact occurs and help protect dock shelters while improving loading efficiency.

ACCESSORIES & SAFETY EQUIPMENT



MANUAL WHEEL CHOCK

The Manual Wheel Chock provides a simple and reliable solution for securing trucks during loading and unloading operations.



WHEEL CHOCK WITH SENSOR

The Wheel Chock with Sensor provides enhanced safety by detecting the correct wheel position before allowing loading operations to begin.



AUTOMATIC WHEEL CHOCK

The Automatic Wheel Chock securely immobilizes trucks, providing maximum safety throughout loading and unloading operations.



PROXIMITY SENSOR

The proximity sensor detects the presence of a truck and automatically activates connected loading bay equipment for safer and more efficient operation.

ACCESSORIES & SAFETY EQUIPMENT



GUIDE PROTECTION

Guide protectors improve safety around the loading bay while protecting industrial and high-speed doors from accidental vehicle impact.

RUBBER BUMPER





- **Rubber Dock Bumpers**

Our rubber dock bumpers are manufactured from high-quality shock-absorbing rubber, providing excellent durability and a long lifespan.
- Available in various sizes and models
- Optional protective steel plate for heavy-duty applications

- **Laminated Dock Bumpers**

Available in three standard series:



10" High Series



12" High Series



20" High Series

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