Loading Dock Technology

Dock Equipment and Accessories

HÖRMANN

Fast and Safe Loading and Unloading

An efficient loading process requires the load to be moved into or out of the truck in one horizontal movement. Hörmann hydraulic dock levelers are designed with sturdy structural bases to bridge the gap between truck loading surfaces and the loading platform, making the loading process faster and preventing damage to the transported goods.

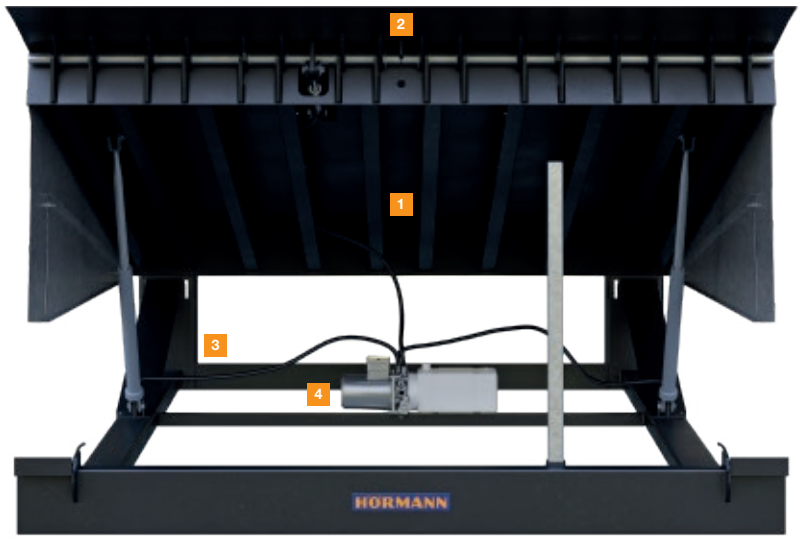
DOCK LEVELERS 2

Dock levelers play a crucial role in enhancing operational efficiency for any company. By providing a smooth and seamless transition between the loading dock and the truck bed, dock levelers facilitate efficient and safe loading and unloading of goods. They help minimize the height difference between the dock and the truck, allowing for easy movement of material handling equipment and reducing the risk of accidents or damage to goods. Properly selected and maintained dock levelers can significantly streamline the logistics process, resulting in improved productivity, reduced turnaround times, and ultimately, cost savings.


2

Hydraulic Dock Levelers - Hinge Lip - Model: HLS-2

Facilitates a variety of vehicle types - ideal for larger height differences from the loading surface to the floor



STRONGLY CONSTRUCTED DOCK LEVELER PLATFORM 1

The S 235 steel platform is made of a single piece, up to a 6' x 10' size. The design of the reinforcement beams prevent deformation (lane grooves) and exceed ANSI-MH-30-1-2022 standards. The standard platform thickness on hinged lip dock levelers is 0.25”.

STURDY LIP 2

Our lip is made from a single piece of ½” S355 tread-plated steel. The hinges we use are constructed from S420 steel grade, a high-strength weldable steel designed to endure high levels of strain in your loading area.

MADE TO WITHSTAND TOUGH ENVIRONMENTS 3

The dock leveler has a standard of 35,000 lbs (rated load according to ANSI-MH-30-1-2022). The HLS 2 hinged lip dock leveler is available for higher rated load capacities. The dock leveler is rated for a temperature range of 14 to +122°F in the area around the hydraulic system.

RELIABLE DOUBLE CYLINDER HYDRAULIC SYSTEM 4

The dock leveler's balanced and reliable operation is ensured by two main cylinders, which also contribute to its overall safety. In the event of an emergency stop, the platform is prevented from tilting. Additionally, optional HLS 2 dock levelers can be equipped with an oil drain pan.

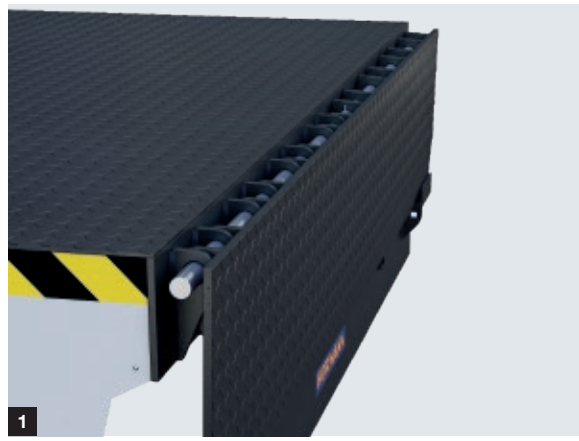
Model	Nominal Width	Nominal Length	Static Load Capacity		Pit Height
			Standard	Optional	
HLS-2 68	6’	8’	35,000	50,000	20” Front 19½” Rear
HLS-2 78	7’	8’	35,000	50,000	20” Front 19½” Rear
HLS-2 610	6’	10’	35,000	50,000	20” Front 19½” Rear
HLS-2 710	7’	10’	35,000	50,000	20” Front 19½” Rear

Hydraulic dock levelers with hinged lip

For simple load bridging and for rated loads of up to 50,000 lbs of static load capacity

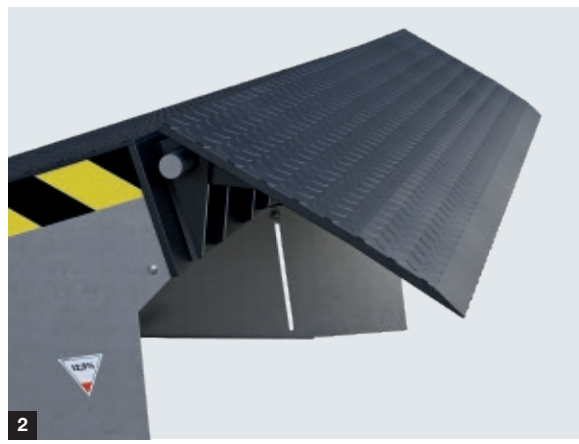
ROBUST HINGED LIP 1

The 32 closely spaced hinge strips on a 78.7-inch wide dock leveler, supported by a 1.1” diameter axle, ensure superior force distribution compared to hinge bushings. The open construction prevents debris from accumulating in the hinge, while the 2-piece shaft design facilitates easy maintenance and removal.


1

SIMPLE OPERATION AT THE PUSH OF A BUTTON 2 3

The electronic hydraulic system raises the platform to its highest position and automatically extends the hinged lip. 2 The platform is then lowered until the hinged lip rests on the loading surface, allowing for quick and safe loading and unloading of the truck. 3 The angled lip provides convenient support on the loading surface, and the platform and lip are aligned perfectly. The specially angled milling on the front edge ensures a smooth transition to the loading surface, making hinged lip dock levelers an ideal choice for handling sensitive goods.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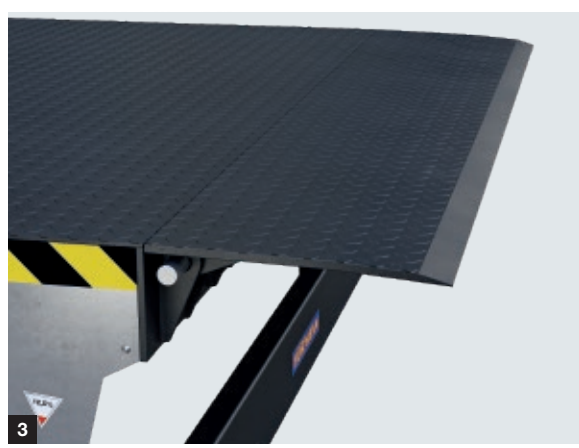
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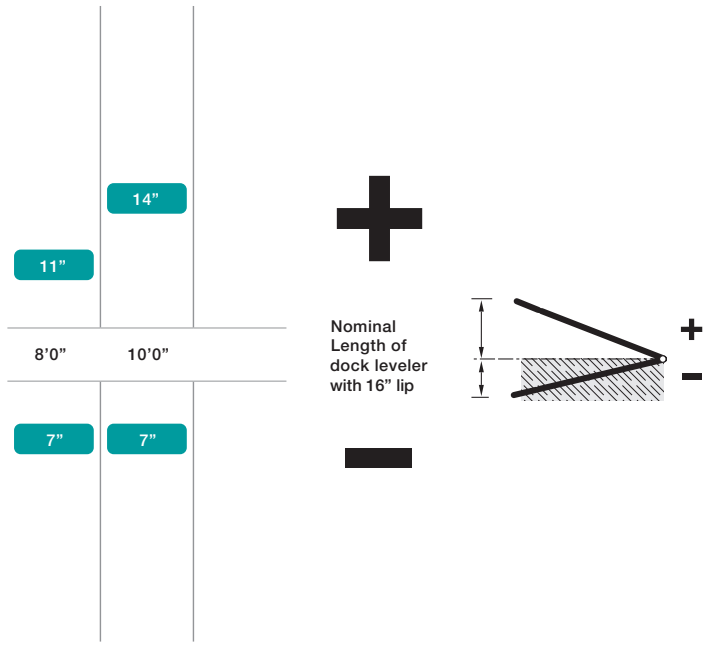
Hydraulic Dock Levelers with Hinged Lip

Working ranges, dimensions

HLS 2 with hinged lip

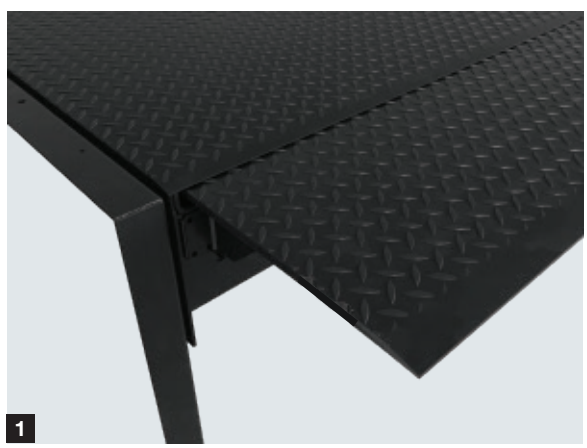
Note:

The values indicate the difference in height, which, taking into account the maximum gradient / inclination according to ANSI-MH-30-1-2022 can be bridged by a maximum of 12.5%. The allowable range is considerably larger depending on the dock leveler length. Note that these are limit values. Ideally, you will select the next highest length size. Plan the dock height so that the height difference to the truck loading surface is as small as possible.



TYPE R, STRAIGHT 1

Standard for 6 ft wide platforms.



TYPE S, TAPERED LIP 2

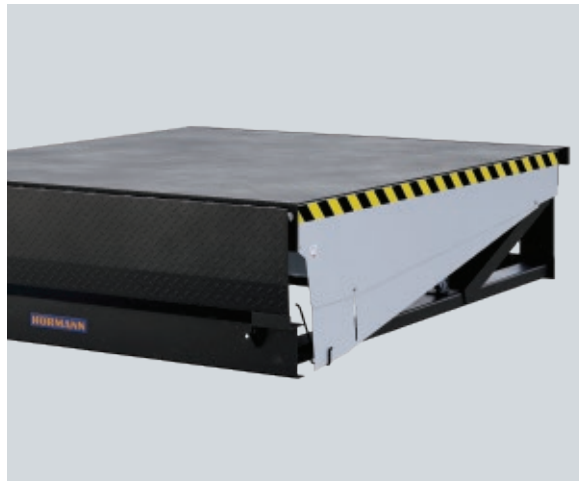
Standard for 7 ft wide platform

Security Features are Standard

Safety and Security are Non-Negotiable with Hörmann

FULL RANGE TOE GUARDS 1

To avoid feet getting caught between the loading platform and dock leveler, side sheets are used. The black-and-yellow safety markings clearly show the working boundary, keeping your employees safe.



MAINTENANCE SUPPORTS 2

Hörmann simplifies maintenance by incorporating built-in maintenance supports into every dock leveler.

ANTI-SLIP DECK 3

The platform is manufactured using anti-slip deck plate as the standard material. The steel surfaces undergo shotblasting to ensure quality and are then 2C PU-coated in-house. Our dock levelers are supplied standard in black.

Optional Equipment

For Special Applications and Unique Environments

ENERGY EFFICIENCY UPGRADES 1

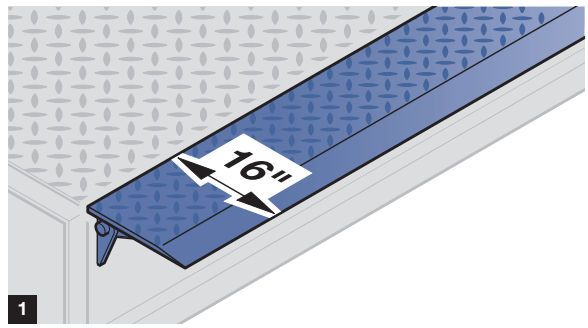
Sealing the side gap next to the dock leveler is helpful for maintaining a comfortable indoor environment. By preventing drafts and retaining warm air, this simple measure enhances overall energy efficiency.

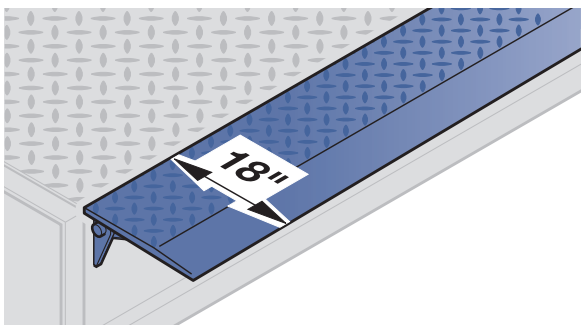
DOCK LEVELER BRUSH WEATHER SEAL KIT 2

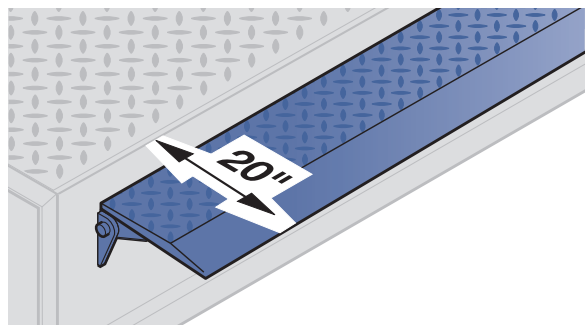
Preassembled kits for dock leveler brushes are available. They are designed for easy installation and effectively block drafts, dirt, and debris. These kits are particularly beneficial for the food industry. Each kit includes a standard 1” 90-degree aluminum retainer and a customizable brush component to meet specific size requirements.

LIP LENGTHS 1

Please ensure that the lip length allows for a contact surface of at least 4 to 6 inches in accordance with ANSI-MH-30-1-20222, with a maximum of 6 inches possible. Take into account the distance from the truck to the ramp using bumpers on both the ramp and the vehicle. Utilize the right bumper projection to safeguard the building. For a level approach to the dock, we recommend using 4” projection bumpers, while larger projection bumpers are necessary for other applications. Kindly reach out to the factory for further consultation.

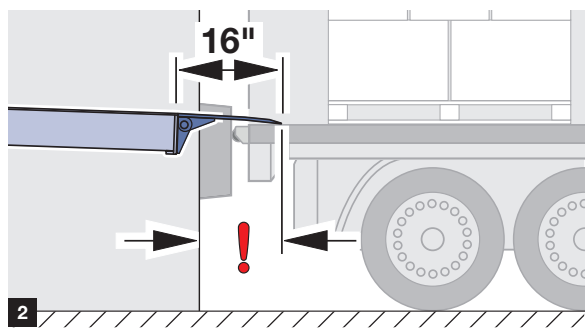






HINGED LIP DOCK LEVELER 2

The lip has a standard length of 16 in, and an optional length of 18 in. When selecting, please note that the protruding lip hinge reduces the possible bridging by approx. 3 in. We also offer an effective 20” reach lip solution when required.



STURDY LIP

The hinged lip is made of running plate from a single piece. The lip made of S355 steel fulfills all ANSI requirements with our 1/2” tread plate.

Application Guidelines

APPLICATION GUIDELINES

In order for a dock leveler to work effectively, it must be carefully matched to meet the dock and truck characteristics. Improper selection can result in problems such as “hang-up” or insufficient lip contact. Consequently, it is important to consider all of the factors which can influence selection of the proper dock leveler.

WEIGHT CAPACITY

To calculate the safest dock leveler capacity rating, find out your total static gross weight. The static gross weight is the sum of the weights of your fork lift + cargo+ fork lift battery (if applicable) + driver. Example: Fork lift weighs 9,000 lbs; cargo 3,000 lbs, battery 1,000 lbs and driver 200 lbs = 13,200 lbs. dynamic capacity. Then, multiply this dynamic capacity by a 2.5 load multiplier to arrive to a static load capacity weight of 33,000 lbs. Use the next highest capacity for your needs, in this example you need a 35,000 lbs rated static load capacity leveler.

INCLINE

Incline is the difference between the dock floor and truck bed height expressed as a percentage. A survey of all trucks servicing the dock will help to determine the highest and lowest heights that you can expect to encounter. Listed below is a chart of the maximum recommended incline for each type of equipment being used.

Maximum Recommended Incline	
Hand Operated Trucks	3%
Electric Pallet-skid Trucks	7%
Lowlift Pallet-skid Trucks	10%
Electric Forklift Trucks	10%
Gasoline / LPG Forklift Trucks	12%

DOCK LEVELER WIDTH

There are two standard widths for pit-mounted dock levelers: 6’-0”w and 7’-0”w, with the most popular being 6’-0”w. In some applications, it may be desirable to taper the lip in order to achieve greater flexibility when servicing trucks. Please consult the factory for further guidance in special cases.

VEHICLE CLEARANCE

The ground clearance of the equipment being used should also be checked. The chart below lists the permissable grade per inch of under clearance.

Maximum Permissable Grades						
Wheel Base	Centerline Under Clearance					
	1”	2”	3”	4”	5”	6”
72”	3.3%	8.8%	14%	20%	26%	31%
66”	3.7%	9%	16%	21%	28%	34%
60”	4%	10%	16%	24%	30%	37%
54”	4.4%	12%	19%	27%	34%	41%
48”	5%	13%	22%	30%	38%	
42”	5.7%	15%	25%	34%	44%	
36”	6.6%	18%	29%	40%		
30”	8%	21%	34%	43%		

LIP LENGTH

The correct lip length is absolutely necessary for a dock leveler to function properly. To achieve the correct lip contact, it should extend 12” beyond the end of the dock bumper. In the case of an inclined or declined approach, an additional 1” of lip extension is recommended for each 1” of additional dock bumper projection.

DOCK LEVELER LENGTH

The chart below shows typical minimum dock leveler for use with different types of material handling equipment. These minimums can vary according to exact equipment specifications.

Minimum Dock Leveler Length			
Maximum Truck-Dock Differential	Pallet Jack Operation	Electric Fork Truck Operation	Gas / LP Fork Truck Operation
1-2”	5’	2’-4”	2’-4”
3-4”	6’	5’	5’
5-6”	8’	6’	5’
7-8”	8’	8’	6’
9-10”	10’	8’	8’
11-12”		10’	8’
13-14”		10’	10’
15-16”			10’

BASIC AND ADVANCED CONTROL BOX OPTIONS

The Hörmann controllers are designed to be clear and simple. The hinged lip dock levelers operate using a press-and-hold actuation. When the raise button is pressed, the platform will lift until it reaches the maximum height. At that point, the lip will automatically extend. Once the raise button is released, the platform will descend.

ADDITIONAL FEATURES - ADVANCED CONTROL BOXES

- Status Indicators: Colored indicators (Green and Red) display the status of the system.
- Automatic Return: Platform automatically returns to home position after activation (single pulse activation).
- Emergency Stop: Motor control signal is locked; no activation of system is allowed until the signal is disengaged.

AVAILABLE DOCK LEVELER CONTROLS

DLC-B11	BASIC 1PH 120V
DLC-B32	BASIC 3PH 208V
DLC-B33	BASIC 3PH 230V
DLC-B34	BASIC 3PH 460V
DLC-A11	ADVANCED 1PH 120V
DLC-A32	ADVANCED 3PH 208V
DLC-A33	ADVANCED 3PH 230V
DLC-A34	ADVANCED 3PH 460V

HINGED LIP DOCK LEVELER CONTROL FEATURES

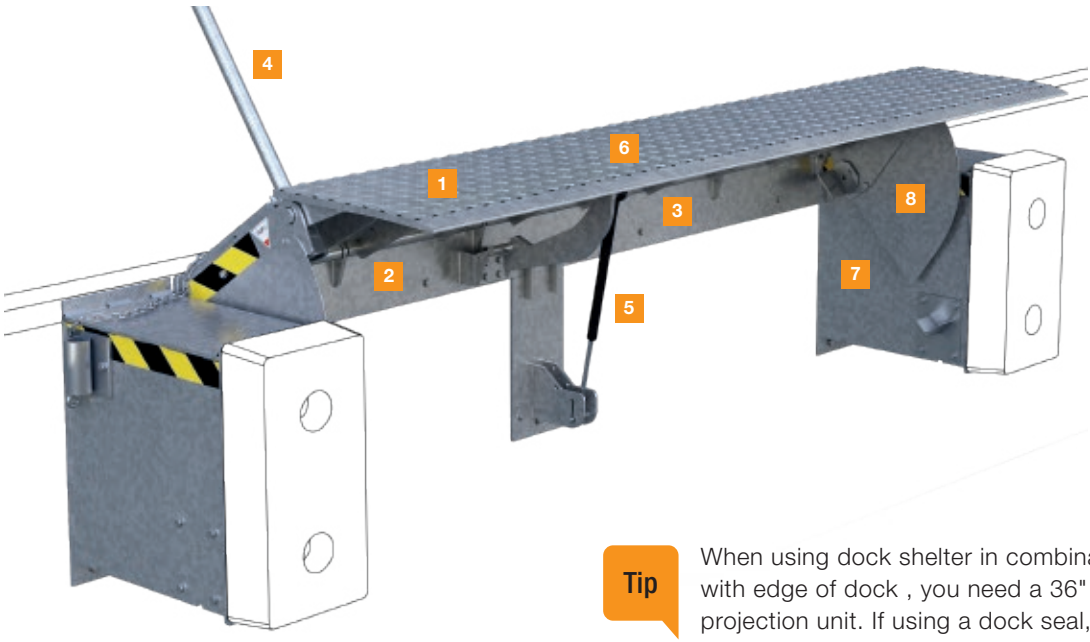
	SIMPLE CONTROL DLC-S11 DLC-S32 DLC-S33	ADVANCED CONTROL DLC-A11 DLC-A32 DLC-A33
cULus	●	●
Enclosure Type: NEMA 4/4x	●	●
LED Operation Indicator	–	●
Prepared for Connection of Wheel Chock with Sensor	–	●
Prepared for the Dock Leveler Release Function	–	●
Automatic Impulse Return	–	●

● = Standard

– = Unavailable

Mechanical Edge of Dock Leveler - Model: MRS-V

Recommended for applications where dock height and truck bed height difference is minimal



Tip

When using dock shelter in combination with edge of dock , you need a 36" projection unit. If using a dock seal, you will need a 25" projection unit.

MODEL MRS-V

The Bar Lift Edge-of-Dock model MRS-V has been ergonomically designed to offer a mechanical advantage for assisting the gas spring lift assembly. Using the bar as a lever, the attendant can easily position the deck plate and lip with only a minimum amount of lifting required. This feature eliminates the need for any excessive manual effort or lifting by the dock attendant resulting in fewer back problems and improved employee safety.

Best of all, installation by simply welding the unit to the front of the dock means that no special concrete work or pit is required, saving valuable time and expense.

TORSIONALLY FLEXIBLE DOCK LEVELER PLATFORM 1

The platform is made of anti-slip steel S 235 (0.25” thick).

ROBUST HINGED LIP 2

The hinged lip supplied is made of ½” thick S355 anti-slip steel. The closely-spaced hinge strips (32 units on a 3.25’ wide dock leveler) improve rigidity and strength compared to hinge bushings. The open construction prevents dirt collecting in the hinge. The angle of the lip allows a convenient support on the loading surface.

MADE TO WITHSTAND TOUGH ENVIRONMENTS 3

The self-supporting steel articulated design is resistant to working stresses up to 35,000 lbs (static load capacity) as standard (rated load according to MH30.1-2022).

SIMPLE OPERATION 4

The platform is raised using the control bar. The hinged lip folds out in an opposing movement and is positioned on the loading surface. The force is within the limits set by MH30.1-2022.

Mechanical Edge of Dock Leveler Model MRS-V

Recommended for applications where dock height and truck bed height is minimal

GAS SPRING SUPPORT 5

The gas spring ensures counterbalance and facilitates the operation. The force remains within the limit values set by ANSI-MH-30-1-2022.

CORROSION PROTECTION 6

The steel surfaces are sandblasted and supplied in 2C PU-coated black. On request, galvanized finish is also available.

STEEL BUMPERS 7

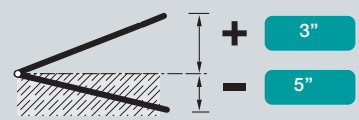
Formed steel bumper blocks with molded rubber bumpers are standard (21” total projection).

TOE GUARDS 8

Toe guards are a standard safety feature in our mechanical edge of dock levelers.

Working range* and dimensions

Ordering widths (in)	79
Overall height of dock leveler (in)	29
Positioning of lip on truck	6
Projection of the formed steel bumper block	Type MRS V: 17” without bumpers



*At max. 12.5% slope according to ANSI-MH-30-1-2022: above level 3”, below level 5”

Dock Shelters and Seals

Flexible and sturdy steel frame construction

FLEXIBLE DOCK SHELTERS

By sealing the space between the building and the truck, goods and personnel are shielded from adverse weather conditions when the door is open. Additionally, they help minimize energy loss during loading and unloading, leading to cost savings. Dock seals and shelters are most effective when they are customized to fit the specific docking vehicles and loading scenarios.

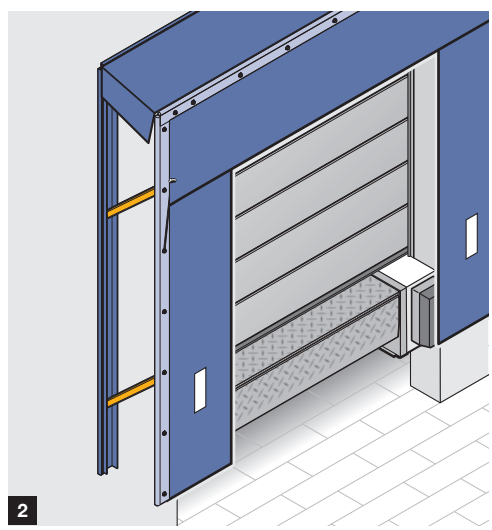
1

STURDY STEEL FRAME 1

The top and side flaps are fitted on a galvanized, pressed-steel frame and form a stable and robust overall construction.

FLEXIBLE LINK ARM CONSTRUCTION 2

The link arm construction is flexible both horizontally and vertically due to its design and the special open profiles. When pushing in the dock shelter, the front frame moves slightly upwards.



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FRONT CURTAIN WITH SPRING TENSION 3

The side and top curtains are made of double-layered, 3 mm thick polyester monofilament thread backing fabric with double-sided UPVC coating. In contrast to conventional polyester curtains, the monofilament threads in the tarpaulin material of the side curtains provide clear pre-tensioning to the rear of the truck and thus an excellent seal. The side curtains are provided with marking stripes.

RAIN-RESISTANT HEADER 4

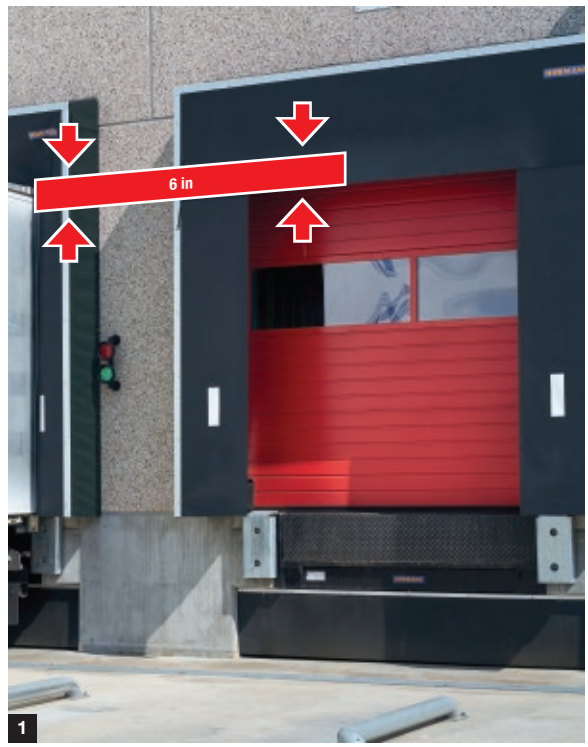
The front and rear frame on this construction differ in height. The four-inch height differential helps to channel rainwater off the front edge. Optionally, the dock shelter can be equipped with additional drainage measures. This ensures that people and goods are protected from rain water which falls on top of the shelter.

Tip

Dock models with a size of 11'-6" × 11'-6" have proven themselves in practice due to their flexibility, as the pressure of the docked truck can be optimally distributed in the dock shelter. You should therefore factor the space required into the design of the building. For most facilities, consider a distance of at least 4 in between the dock shelters.

FRONT HEADER CURTAIN 1

For different vehicle heights, flexible front header curtains are required. While a long top flap ensures good sealing even with smaller trucks, it hangs over the loading opening of larger vehicles. An overlap of approx. 6” is ideal.



1

STANDARD CURTAIN INCISION 2

To prevent the tension on the top header curtain from becoming too great for taller vehicles, our curtains are designed with an incision.

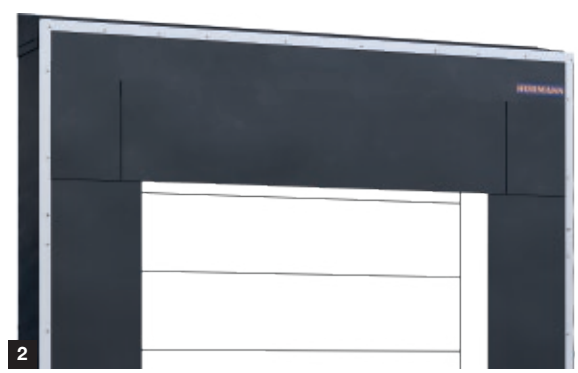
NUMBERS ON THE HEADER FRONT CURTAIN 3

On request, we can supply the top flaps with a number in the color of the marking stripes.

Dock Model	DSL
Dock model	●
Roadway model	–
Link arm	●
Scissors arm	–
Recess fitting	–
Top part with inclination	●
Straight top part	–
Marking stripes, number per side	1
Fitting under canopy	●

● = Standard
○ = With corresponding equipment
– = Unavailable

Ordering width: 11'6"; Front side curtains: 27.5
Front in between curtain opening: 83"
Ordering height: 11'6"; Height front top curtain: 35.5"
Height of front opening 98.5"
Dock shelter projection: 24" designed for pit leveler.
and 36" projection for edge of dock levelers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3

Cushion dock seals

Various Options to Meet Your Needs

1

2

Cushion dock seals provide effective sealing solutions for standard vehicle sizes. When planning for installation, it's important to consider not only the fit but also how the seals will close the gap between the truck and the open door, ensuring a tight seal between the truck and the building. As the truck backs in, the cushions extend into the loading opening, creating a secure seal.

MODEL 100 1

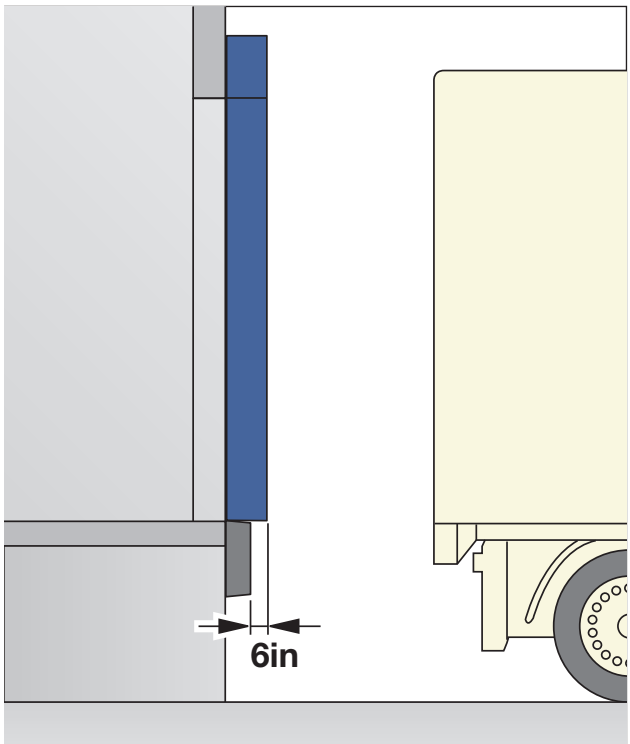
The Hörmann series 100 fixed head pad dock seal compresses and forms a positive seal between the building and the trailer. Standard over-the-road and straight trucks can be easily sealed for safety and environmental control during loading and unloading. Fixed head pad dock seals are ideal solutions for dock openings up to 9'0" high.

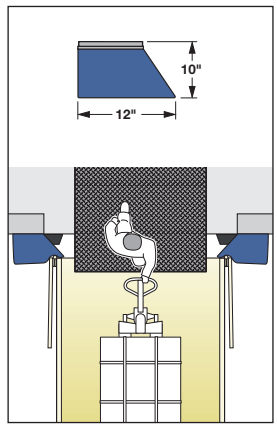
MODEL 200 2

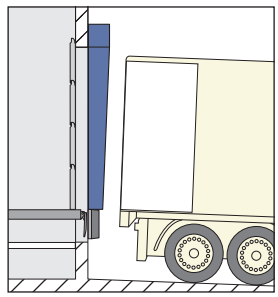
The Hörmann series 200 "F-header" (head curtain style) dock seal is designed for use where a door height of 9'0" or greater exists and when a variety of trailer heights must be serviced. F-header dock seals compress and form a positive seal between the building and the trailer. Standard over-the-road and straight trucks, as well as shorter delivery vans can be easily sealed for safety and environmental control during loading and unloading.

BUMPERS

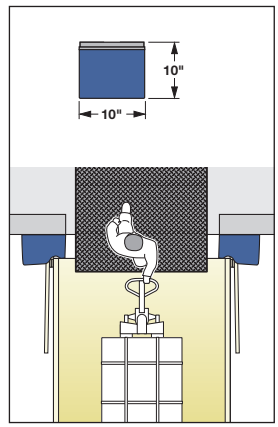
When docking , the cushions must not be pressed in more than 6” to prevent damage by excessive compression pressure. Therefore it is important that the depth of the bumpers has the right proportion to the depth of the cushions. The difference can be easily compensated by using bumper projection. Consider the resulting increased distance when choosing the lip length of a dock leveler, if necessary.

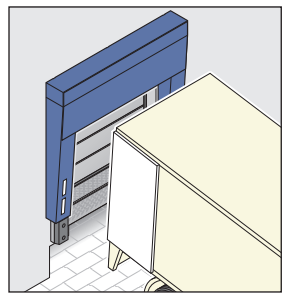






MODEL 100





MODEL 200

SIDE MEMBERS

The side members of the dock seals are filled with foam. Backboards are pressure treated as is industry standard. The fabric on the side pads is wrapped and stapled to pressure treated lumber backboards or an optional steel frame. This design requires side and bottom breather slits to release air pressure when the trailer is making contact with the dock seal. Guide stripes for the side member are 4” wide and 24” high and yellow in color. The high-quality cover made of 40 oz vinyl material forms a durable unit and comes standard in black. The vertical cushions are either rectangular or chamfered. Chamfered cushions are a simple solution if the existing door is too wide. Special shapes are also available upon request. If the driveway has a slope, for example, cushions designed with a compensating upward or downward tapered inclination are possible as required.

Warranty: One year material and workmanship.

AVAILABLE OPTIONS

- Full height guide stripe - 4” wide and yellow in color
- Galvanized steel backing instead of wood
- Extended projection
- Tapered projection for sloped driveways
- Wear pleats for added protection on the face of the side pads and corners of the head pad. Wear pleats of 16”, 8” and 4” exposures are available.
- Bottom pads which seal the gap between the building foundation and the trailer floor.
- Drop curtains - 12” for Model 100
- Slits and rope pull-up system for Model 200
- High-tear vinyl cover material

Hörmann Electrical Restraint Model HR

Vehicle Restraint

VEHICLE RESTRAINT

Hörmann's Model HR dock restraint is a hook-style vehicle restraint that secures the trailer's rear impact guard (RIG) at the dock to reduce the risk of premature departure and trailer movement during loading and unloading. Its spring-loaded housing lowers with truck contact, and the carriage automatically adjusts with trailer float. The HR has an enhanced design with a patented Triple Range Hook that outperforms competitor hook-style restraints:

- Secures RIG bars that are rectangular, pentagonal and feature 4 1/2-inch vertical center plates
- Triple Range Hook safely secures RIGs while the hook is at various heights
- Elevated hook shank maintains engagement and eliminates false-negative RIG bar sensing from gaps created by carriage bounce
- Exclusive gear motor with a one-way braking system keeps the hook continuously engaged
- Hook is upwardly biased and rotates to increase engagement if contacted by the RIG when trailer shifts during loading and unloading

FEATURES AND BENEFITS

- Roller slope extension eliminates gouging and marking on the dock approach surface
- Gear motor operates for a total of three seconds for the full cycle of restraining and releasing a vehicle
- Only uses electricity when engaging or dis-engaging the rotating hook
- Hook maintains engagement with the RIG, even if power is lost
- PLC-based control box provides maintenance diagnostics
- Control box includes key pad for override as standard
- LED lights are standard for energy efficiency and long life
- Includes a 5-year warranty

Hörmann Electrical Restraint Model HR

Vehicle Restraint

EXCEPTIONAL VERSATILITY

The HR Triple Range Hook secures RIG bars that are rectangular or pentagonal and features 4 ½" vertical center plates. Its low-profile 9" carriage works with all standard trailers. Engagement range extends from 9" to 31" above the ground.

ROBUST PERFORMANCE & DURABILITY

The motor is IP67 compliant with watertight connectors and corrosion-resistant zinc plating.

RELIABLE

Our restraints feature a pull-away force of over 38,000 pounds and help prevent premature departure, trailer creep, landing gear collapse, trailer pop-up, and trailer up-ending.

EASY TO USE

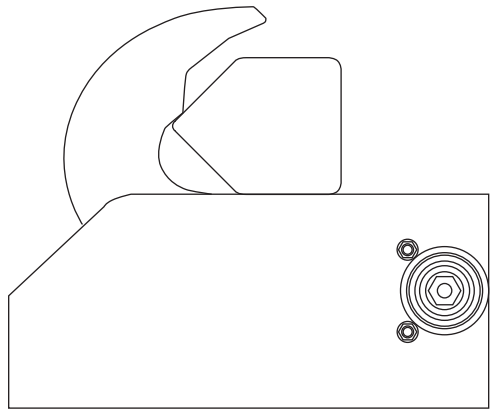
The spring-loaded carriage lowers with truck contact, and the restraint is operated by a control panel mounted inside the building.

OPTIONAL FEATURES

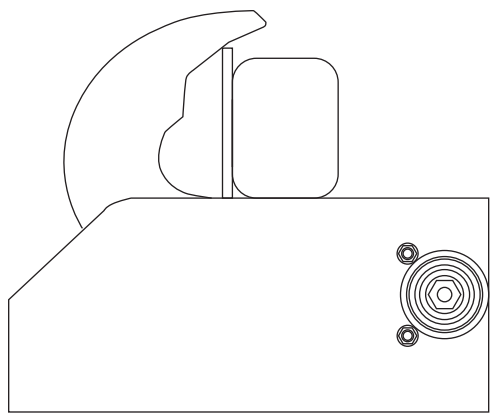
- Open dock stanchion for control box
- Articulated slope extension
- Brackets and plates
- Green light interlock with leveler or door

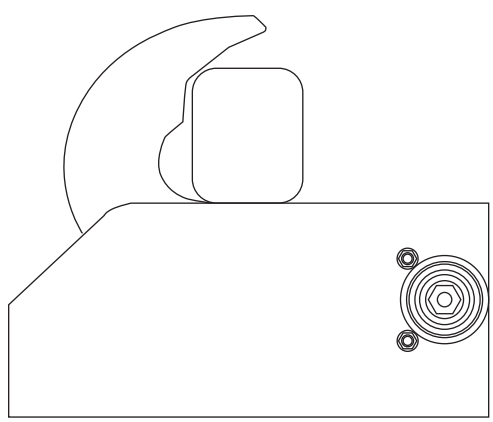
COMMUNICATION SYSTEM

- Outside Signal Lights and Control Box LED Lights: Clearly indicate the restraint status
- Audible Alarm: Alerts the dock attendant to potentially unsafe conditions
- Horn Override: Customizable keypad allows override sequence to be password protected



Designed to secure pentagonal RIG bars





Accessories

Protection for equipment and structural elements

"STOP & GO" COMMUNICATION SYSTEM

Stop & Go Communication lights increase safety by providing visual communication anywhere a positive go/no-go signal is required. When integrated with loading dock equipment systems, Stop & Go signal systems alert truck drivers and dock personnel to the safety status of trucks backed or backing into the dock. They are designed with long-lasting, energy-efficient LED lamps and are available in 24VDC.

Each SG30 Light Communication package includes two light units; the SG20 which operates as the control unit with an internal flasher circuit and switch, and the SG10, a drone unit not equipped with a flasher or switch. A six-foot communication cable is supplied to couple the two units.

LED LOADING DOCK LIGHTS

LED Loading Dock Lights are energy-efficient systems that can light up any loading dock environment. The LED systems use about 80% less energy than traditional incandescent bulbs. Each light system includes a heavy-duty polycarbonate head that remains cool to the touch, while the LED's reach maximum illumination instantly. Standard LED dock lights include a standard 40" arm and an LED bulb. LED bulbs are built to take a hit and are virtually unaffected by impacts from dock equipment.

Accessories

Protection for equipment and structural elements

LAMINATED DOCK BUMPERS

It is often said that the bumper is the most important piece of equipment on the loading dock. Laminated dock bumpers are a tried and true method for protecting loading docks and buildings in low to medium traffic applications.

Each bumper is manufactured from reclaimed, bias ply truck tires, allowing them to outlast other products on the market. Increased durability is gained with robust, 3/8” thick steel angles as the structural anchoring point to the dock.

Standard bumpers include angles on both sides for anchoring. Optional flat plates on one or both sides are available for welding. Standard size is 4-1/2” thick x 10” high x 12” wide (hole to hole).

Have a high-traffic dock? Upgrade to steel-faced bumpers that offer outstanding resistance to abrasion from the up and down trailer movement caused by forklifts entering/exiting the trailer. The heavy-duty steel face “floats” to allow the bumper to compress while providing high surface abrasion protection.

MOLDED BUMPERS

Molded rubber dock bumpers, designed for low-traffic applications, are an economical bumper for protecting docks in low traffic applications. Commonly used on Edge-of-Dock levelers, molded rubber bumpers are manufactured from reinforced prime rubber and are available in several shapes and sizes. Standard size is 4” thick x 10” high x 13” wide with 2 holes for convenient installation.

Bumpers

LAMINATED RUBBER BUMPERS

Model	Style	Projection	Height	Width Hole to Hole	Configuration	Weight (lbs)
LB410-12	Horizontal	4.5”	10”	12”	Angle / Angle	27
LB410-12-P1	Horizontal	4.5”	10”	12”	Angle / Flat Plate	27
LB410-12-P2	Horizontal	4.5”	10”	12”	Flat Plate / Flat Plate	27
LB410-14	Horizontal	4.5”	10”	14”	Angle / Angle	31
LB410-14-P1	Horizontal	4.5”	10”	14”	Angle / Flat Plate	31
LB410-14-P2	Horizontal	4.5”	10”	14”	Flat Plate / Flat Plate	31
LVB420-11	Vertical	4.5”	20”	11”	Angle / Angle	51
LVB420-11-P1	Vertical	4.5”	20”	11”	Angle / Flat Plate	51
LVB420-11-P2	Vertical	4.5”	20”	11”	Flat Plate / Flat Plate	51

STEEL FACED BUMPERS

Model	Style	Projection	Height	Width Hole to Hole	Configuration	Weight (lbs)
LB410-12SF	Horizontal	4”	10”	12”	Angle / Angle	35
LB410-12SF-P1	Horizontal	4”	10”	12”	Angle / Flat Plate	35
LB410-12SF-P2	Horizontal	4”	10”	12”	Flat Plate / Flat Plate	35
LB410-14SF	Horizontal	4”	10”	14”	Angle / Angle	41
LB410-14SF-P1	Horizontal	4”	10”	14”	Angle / Flat Plate	39
LB410-14SF-P2	Horizontal	4”	10”	14”	Flat Plate / Flat Plate	37
LVB420-11SF	Vertical	4”	20”	11”	Angle / Angle	66
LVB420-11SF-P1	Vertical	4”	20”	11”	Angle / Flat Plate	62
LVB420-11SF-P2	Vertical	4”	20”	11”	Flat Plate / Flat Plate	59

MOLDED RUBBER BUMPERS

Model	Style	Projection	Height	Width	Configuration	Weight (lbs)
DB13-T	Molded	4”	13”	10”	Two Hole - Tapered	16
R	Molded	4”	13”	12”	Four Hole	24

Accessories

Protection for equipment and structural elements

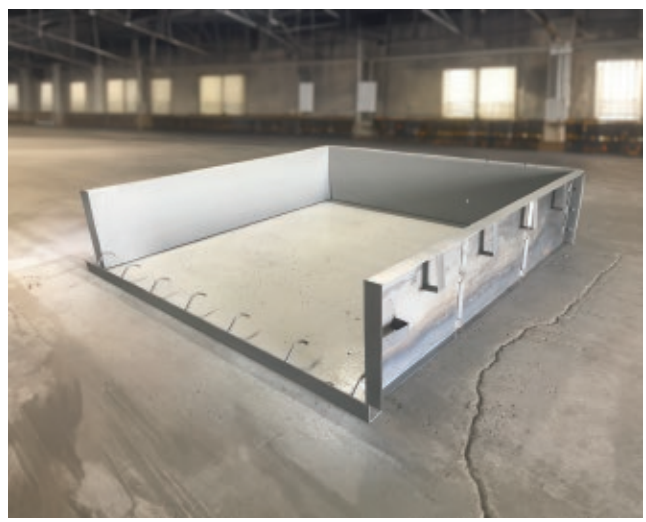
WHEEL CHOCKS

Wheel chocks are an important accessory for any loading dock. Designed to help prevent trailer creep and premature departure, wheel chocks fit snugly against the truck tires to prevent the unintentional forward movement of a stationary trailer. 88-8 laminated wheel chocks are built similarly to laminated rubber dock bumpers. Recycled tire rubber laminates are compressed and fastened under high pressure galvanized steel sides. They are available with 15' long chains and can be supplied with wall brackets and safety signs. Standard size is 8" x 8" x 8".

Wheel Chocks meet OSHA Regulation 1910.178 (k). For the best protection, use (2) wheel chocks per loading dock position. Additional wheel chock options are available upon request.

PIT KITS

The Pit Kit has two sides, a back, and a front curb angle that act as a concrete form. This allows for a neat and clean appearance. Everything is provided to form the pit to the right size, which eliminates costly mistakes. The Pit Kit is assembled using using six bolts which make it quick and easy to set up. No time is wasted returning to a site to strip wood forms. The Pit Kit system is inexpensive as compared to the materials and labor required to form a conventional pit for a dock leveler.



REINFORCED SIDES:

- 12 gauge steel sides are reinforced with 1" x 1" vertical angles, a vertical 1" x 2" x 1/8" angle at the back and a 3/16" plate at the front for attaching the dock bumpers, and 3" x 6" x 12 ga. concrete anchors.

REINFORCED BACK:

- 12 gauge steel back is reinforced with (2) 1" x 1" vertical angles, and a 3" x 3" x 3/16" angle with rebar anchors to attach the dock leveler to.

FRONT CURB ANGLE:

- The front curb angle is a 3" x 3" x 3/16" angle with 3" x 6" x 5/8" rebar anchors.

PRIMER:

- One side painted with gray primer.

ADDITIONAL OPTIONS:

- Heavy Duty Unit - Add 3" x 3" x 3/16" angle to top edge of sides
- Extra Heavy Units - use a 4" x 4" x 1/4" side and front curb angle
- In place of 3" x 3" x 3/16" on front, you may use 4" x 4" x 1/4"

Warranty

Warranty

Dependable operation with:

- 20 years on hinge
- 10 years on the primary structure
- 5 years on cylinders, control box and power pack
- 1 year on all other components

DID YOU KNOW ?

1 ALL YOU NEED IS ONE MANUFACTURER OF HIGH-PERFORMANCE, RESIDENTIAL AND COMMERCIAL DOORS.

Hörmann not only manufactures the highest quality sectional doors, but we also lead the industry in the high-performance door market. We're the world's largest producer of high-performance doors, and we have the largest high-performance door manufacturing facilities under one roof in both the US and Canada.

Commercial Sectional Products

Pan, Sandwich, and Polyurethane Doors

We Offer a Solution for Any Application

Pan Doors

2" THICK DOORS WITH OPTIONAL INSULATION, MULTIPLE GAUGES, AND SAFETY FEATURES

We offer 2" thick commercial pan overhead doors in a variety of gauges and safety options. Our 255P, 254P, and 250P offer optional insulation and are available in 25 ga., 24 ga. and 20 ga. options. Our 225P and 224P models are equipped with our FingerGuard™ pinch-resistant section joints to promote safety and reduce risk of injury and come in 25 ga. or 24 ga. steel options.

STANDARD FEATURES

- R-7.4 with Optional Insulation
- 2” Sections
- Tongue & Groove Section Joints
- Multiple Color Options

Sandwich Doors

ENGINEERED FOR STRENGTH, EFFICIENCY, AND PROTECTION AGAINST THE ELEMENTS

Our 450U, 440U and 425U models are insulated with our proprietary polyurethane blend for maximum insulation and rigidity. The 354S, 350S, and 340S models are insulated with a polystyrene core and come in a variety of gauge options. Both the 325S and 324S models are also insulated with polystyrene and are equipped with our FingerGuard™ pinch-resistant section joints to promote safety and reduce risk of injury.

STANDARD FEATURES

- 1-1/2” or 2” Sections
- Tongue & Groove Section Joints
- 25 or 24 Gauge Steel
- Polystyrene Insulation

Polyurethane Doors

UNMATCHED DENSITY, EFFICIENCY, AND STRENGTH

Leading the industry with unmatched density and strength, all Hörmann urethane models have our environmentally friendly, 100 percent CFC-free, proprietary polyurethane (PU) blend foam core insulation. The 450U offers our highest level of insulation, followed by the more cost effective 440U, and the 425U, which in addition to outstanding insulation performance, includes Hörmann’s exclusive FingerGuard™ pinch resistant section joints.

STANDARD FEATURES

- 1-1/2” or 2” Sections
- Tongue & Groove Section Joints
- 25 Gauge Steel
- Polyurethane Insulation

Precision and Speed - Perfect for a Vast Array of Applications

Speed-Guardian™ Series

HIGH-SPEED MODERN, EFFICIENT, AND RELIABLE HIGH PERFORMANCE DOORS

The fast opening and closing speeds of high-speed rigid doors optimize work processes and significantly accelerate logistics processes. Depending on the door model, powder-coated RAL 9006, double-skinned sections are guided into a circular or into horizontal or vertical tracks. The sturdy steel sections of the doors have thermal breaks and are PU-foamed. As a result, you benefit from excellent thermal values: R-value of 13.6 and U-factor of 1.04 which minimizes energy loss.

STANDARD FEATURES

- For interior or exterior applications
- Opening speed up to 80 IPS / closing 30 IPS
- 100s of custom RAL color paint options
- Optional: Vision slats – Three styles of vision slats are available: clear, perforated or tinted
- Light curtain built into guide tracks automatically reverses the door if beams are interrupted
- Hood: Optional: Galvanized steel. (N/A on LH model)
- Emergency opening: Chain hoist.

Steel Ranger™ Series

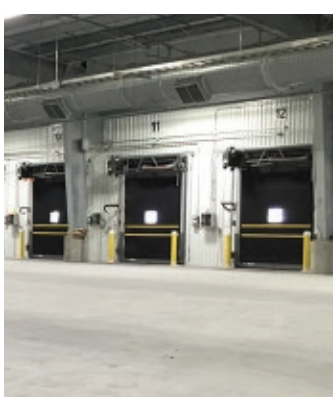
THE HIGH-PERFORMANCE, SECURE, AND SUPERIOR SOLUTION FOR ROLLING STEEL

The Steel Ranger™ Series of high performance rolling steel doors is the perfect replacement for old fashioned rolling steel doors . The panel color matches our standard Speed-Guardian™ 5000 Series RAL 9006, which makes it easy to coordinate the two products into one building design. With a rapid opening speed of 45” per second, the Steel Ranger™ 9000 L and 9000 LH models open up to 5-1/2 times faster than a traditional rolling steel door. This contributes to energy savings and reduced employee wait times, ultimately saving money.

STANDARD FEATURES

- Exclusive Decotherm steel panels
- Built-in light curtain automatically reverses the door
- Direct-drive, springless design
- Unbeatable 5 & 2 warranty
- Compact aluminum guide tracks that require sideroom of only 4” for all door sizes
- Optional galvanized hood for weather protection
- Emergency opening: Chain hoist.

HD Series Rubber Doors



TOUGH AND RELIABLE IN EVEN THE MOST DEMANDING ENVIRONMENTS

Each Hörmann rubber door solution is custom built. Our rubber doors’ unique product capabilities have revolutionized the door industry by providing a more reliable, more durable, longer lasting performance with greater impactability. These doors will substantially reduce your long-term cost of ownership and provide the lowest life cycle cost available. We provide the industry’s most reliable and durable door systems. Depending on the application, the typical return on investment is 12-36 months becuase of the low-maintenance and robust design.

STANDARD FEATURES

- Galvanized steel mounting angles
- NEWGEN® aluminum guides with integrated light curtain
- Patented pivoting aluminum bottom bar for easy reset after an impact
- Lifetime curtain warranty
- Low maintenance drive system with variable frequency drive (manual chain model also available)
- Springless design enables us to include our unbeatable 5 and 2 warranty

HÖRMANN NORTH AMERICA

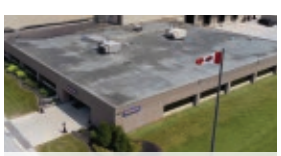
Sparta, TN - North American Headquarters / Sectional Doors

SIX PRODUCTION PLANTS, ONE FAMILY

As one of the world's leading manufacturers of door systems, we're committed to providing the best quality, value, and selection. Whether residential, commercial or industrial, we have the solutions you're looking for. Each Hörmann product gives you the perfect array of benefits and options to satisfy your customers.

Puyallup, WA

Montgomery, IL



Barrie, ON Canada

Burgettstown, PA

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USA
Toll Free: 800.365.3667
Email: info@hormann.us
Website: hormann.us

Canada
Toll Free: 866.792.9968
Email: info@hormann.ca
Website: hormann.ca

Mexico
Toll Free: 52 (81) 8308 7481
Email: info@hormann.com.mx
Website: hormann.mx

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A Core Partner of GLOBAL COLD CHAIN ALLIANCE®

IPMI International Parking & Mobility Institute

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PDA Professional Door Association of NEW ENGLAND

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