

RITE-HITE BARRIER SYSTEMS



PREVENT ACCIDENTS AT YOUR
LOADING DOCK AND BEYOND.

RITE-HITE®
ALWAYS LOOKING AHEAD



Ensure Full-Time Safety at the Loading Dock

Vacant loading dock doors are a danger zone inside any facility. Accidents at these 4' drop-offs can result in serious injury and are sometimes fatal.

Chains used to "protect" an open loading dock are not enough to prevent an accident and while a closed door can prevent a person from falling off a dock, they are not designed to stop material handling equipment.

Rite-Hite Barrier Systems offers several solutions to protect an open loading dock. These solutions provide full access for loading and unloading a trailer and still allow fresh air into the building when no trucks are present. There are manual and automatic options available and the ability to interlock the operation with a Rite-Hite Vehicle Restraint.

All of the loading dock solutions address OSHA regulation 1910.23 regarding "protection for wall openings and holes"



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Separation Means Protection in Your Plant

Your plant can be a dangerous place. When it comes to protection, a yellow line painted on the floor just doesn't cut it. A common alternative is steel posts and fixed guardrail systems, which do an excellent job of separating common areas from dangerous ones.

Separating and defining work areas and walkways and providing drop-off protection for interior loading and rail docks has long been a challenge for facilities. The traditional yellow line is low cost and easy to change, but offers little to no protection for pedestrians against material handling equipment.

An increase in mezzanines and elevated work platforms over the last few years has created a need to protect the leading edge of these raised spaces that can reach as high as 30' from the floor.

Available in steel, fabric or PVC, Rite-Hite's In-Plant Barrier Safety Systems offer flexibility and safety for dozens of applications within a facility.





Dok Guardian



Dok Guardian™ Heavy Duty Barrier

Ensure maximum safety at the loading dock and other areas of a plant that require separation protection. This heavy duty safety barrier is designed to stop 10,000 lbs. at 4 mph. Made of a bright red PVC-coated fiberglass mesh curtain with three bright yellow heavy-duty restraint straps, this barrier also serves as a highly visible warning sign. It's operated manually, and easily fits across openings up to 16 feet wide.

The barrier is anchored on either side by yellow safety Rite-Hite Warden guards, which provide excellent door track protection. When loading or unloading, the safety barrier retracts into one of the Wardens.

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Full-Time Safety Integration

The Dok Guardian Heavy Duty Barrier is designed to integrate with Rite-Hite's powerful Dok-Lok system, to ensure full-time loading dock safety.

The red light on the Dok-Lok control box indicates that the Dok-Guardian's curtain is safely locked across the opening. When the lock button on the Dok-Lok is pressed and the inside light turns green, the Dok-Guardian curtain releases, allowing for loading and unloading of a trailer.



Magnetic Proximity Switch



Electronic Linear Actuator



Dok Guardian Light Duty Barrier

The Dok Guardian Light Duty Barrier will stop a vehicle as heavy as 1,000 lbs. traveling at up to four miles per hour, making it ideal for a loading dock or work area where light duty material handling equipment is used. It also serves as a highly visible warning for operators and pedestrians.



Safe-T-Gate® Automatic

Safe-T-Gate Automatic is ideal for applications where push-button operation is needed – at a loading dock or other areas inside a facility. The strap restraining system stops 10,000 lbs. at 4mph. Also available in light duty.

Door Dok Guardian™

Door Dok Guardian barrier system is designed for facilities with closed-door policies due to security or air quality concerns, such as food processing plants and air-conditioned buildings. While a sectional door won't stop a fork truck, this barrier will.

Warden TR

Specifically designed for sectional doors, this unit provides door track protection without interfering with the door operation.

BARRIER SYSTEMS FOR APPLICATIONS THAT REQUIRE FREQUENT ACCESS.



Rite-Hite Barrier Systems <i>These products all address OSHA 1910.23.</i>	Dok-Guardian Heavy Duty	Dok-Guardian Light Duty	Safe-T-Gate Automatic	Door Dok-Guardian
Stopping power:	Curtain stops 10,000 lbs. at 4 mph multiple times with little or no damage.	Curtain stops 1,000 lbs. at 4 mph multiple times with little or no damage.	Strap stops 10,000 lbs. at 4 mph. Rail/strap assembly may need to be replaced after significant impact.	Stops 10,000 lbs. at 4 mph; some damage may occur to brackets and/or the bottom door panel.
Deflection when impacted:	Up to 11'5" opening: 17" Up to 16'5" opening: 30"	Up to 11'5" opening: 17" Up to 16'5" opening: 30"	Up to 10'0" opening: 12"	Up to 10'0" opening: 12"
Maximum clear opening width:	16'5"	16'5"	10'0"	10'0"
Ease of removal and repositioning for access to opening:	Manual operation: Less than 10 seconds, 30 lbs. of force.	Manual operation: Less than 10 seconds, 30 lbs. of force.	Motor operator with up/down push buttons.	Strap is attached to bottom door panel and travels automatically with door as it is raised and lowered.
Special Notes:	Common member units and interlock options available. Wardens protect door tracks on stand-alone units.	Common member units and interlock options available. Wardens protect door tracks on stand-alone units.	Maximum clear opening height is 12'0". Overall unit height is clear opening height plus 3'3". Interlock option and Light Duty model available. Wardens protect Safe-T- Gate and door tracks.	GX-4000 bottom panel is included. Wardens protect door tracks.

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Consider these facts:

- ▶ THE COST OF WORK INJURIES IN 2006 WAS \$164.7 BILLION. THAT EXCEEDED THE COMBINED PROFITS REPORTED BY THE 11 LARGEST FORTUNE 500 COMPANIES THAT YEAR.*
- ▶ 10-20% OF ALL INDUSTRIAL ACCIDENTS OCCUR AT OR AROUND THE LOADING DOCK.†
- ▶ THERE ARE NEARLY 100 FORK TRUCK FATALITIES IN THE UNITED STATES EACH YEAR.†
- ▶ INJURIES FROM FALLS TO A LOWER LEVEL RESULT IN A MEDIAN OF 15 DAYS AWAY FROM WORK. (among injuries involving days away from work.) †
- ▶ FORK TRUCKS ARE INVOLVED IN OVER 34,000 SERIOUS INJURIES AND 61,000 NON-SERIOUS INJURIES ANNUALLY.†
- ▶ APPROXIMATELY 18% OF FORK TRUCK ACCIDENTS INVOLVE PEDESTRIANS.†
- ▶ ON-THE-JOB INJURIES WERE RESPONSIBLE FOR ROUGHLY 80 MILLION DAYS OF LOST PRODUCTION TIME IN 2006.*
- ▶ A MEDIAN AVERAGE OF 15 WORKDAYS ARE LOST DUE TO INJURIES FROM FALLING TO A LOWER LEVEL.

Rite-Hite's Dok-Guardian™, Safe-T-Gate® Automatic, Safe-T-Gate® Light Duty and Door Dok-Guardian™ address OSHA 1910.23 regarding "protection for wall openings & holes".

The SpanGuard and GuardRite products address OSHA 1910.23(c) regarding "protection of open-sided floors, platforms and runways" and OSHA 1910.176(a) regarding "permanent aisles and passageways shall be appropriately marked".

† Source: National Safety Council "Injury Facts"

* Source: OSHA





In-Plant



SpanGuard® Safety Barrier

SpanGuard Safety Barrier is a lightweight, high-visibility barrier that helps define and separate workspaces, and will restrict access to hazardous areas like loading docks and walkways near fork truck traffic. It can be easily removed and stored, or relocated should the plant layout change.



GuardRite® Strap

GuardRite Strap is a simple but powerful barrier that is removable, yet can stop 10,000 lbs. at four miles per hour. It's designed to provide protection in places where occasional unrestricted access is needed. That includes interior loading docks and exterior platform docks.

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GateKeeper™

Protect your employees and avoid accidents when working on mezzanines and elevated work platforms with this dual reciprocating safety barrier.

When the outer gate on the edge of the platform is opened, the inner gate closes to prevent access to an exposed edge. When the inner gate is opened the outer gate closes to provide a barrier on the exposed edge. The exclusive Saf-T-Latch prevents workers from raising the gate from inside the work zone. Integral toeboard prevents objects from being pushed to a lower level. The guarded 3" track and nylon rollers with sealed precision bearings provide smooth, maintenance-free operation.

- ▶ Exclusive link bar design ensures both gates work in unison
- ▶ Optional automated design uses push button control features for easier operation
- ▶ Addresses ANSI standard MH28.3 6.4.3 - 2009
- ▶ One-year parts and labor warranty



GateKeeper



RackKeeper

The RackKeeper Safety Gate is perfect for multilevel pick modules or any other elevated work area that requires fall protection within a racking system.

BARRIER SYSTEMS FOR APPLICATIONS THAT DO NOT REQUIRE FREQUENT ACCESS.



Rite-Hite Barrier Systems	SpanGuard	GuardRite Strap	GuardRite Light Duty	GuardRite Heavy Duty	GuardRite SureStop	Safe-T-Gate Light Duty
Stopping power:	Stops 200 lbs. of force. Not designed to stop material handling equipment, curtain absorbs minor "bumps" with little or no damage.	Straps will stop 10,000 lbs. at 4 mph multiple times with little or no damage.	Stops 200 lbs. of force. Not intended to stop material handling equipment, flexible rails will absorb minor "bumps" with little or no damage.	Stops 10,000 lbs. at 4 mph. Steel rails typically need to be replaced after one impact of this magnitude.	Stops 10,000 lbs. at 4 mph multiple times with limited damage to SureStop.	Stops 200 lbs. of force. Not intended to stop material handling equipment, but rails absorb minor "bumps" with little or no damage.
Deflection when impacted:	60' long curtain: 12"-24" depending on tightness of curtain.	20' length: 32" 40' length: 50" 60' length: 84"	9'6" long rail: 2"	9'4" long rail: 12"	2"	Up to 10'0" opening: 6"
Maximum clear width between uprights:	60'	60'	9'8"	9'4"	Does not utilize uprights – individual sections are bolted together.	10'0"
Ease of removal and repositioning for access to opening:	1-2 minutes. 20:1 gear ratio makes it easy to tighten.	5-10 minutes. Optional storage system available.	Permanently fixed posts; rails can be installed to allow easy lift-out. 10' rail weighs 15 lbs.	Permanently fixed barrier. Removable rail option available. 9'4" rail weighs 80 lbs.	Permanently fixed barrier.	Manual operation: Less than 5 seconds, 15 lbs. of force.
Special notes:	Available in 60' and 30' lengths. Latching post can be common member.	Single post and/or single strap configurations also available. Posts can be common member. Straps available in 10' increments.	Rails can be sized in field. Up to seven rails can be installed between posts. Add-on post can double height.	Standard rails: 9'4" Shorter, custom-sized rails available.	Can be combined with GuardRite Light Duty or GuardRite Strap. 90° corner section available.	Posts can be common member with GuardRite Light Duty. Overhead clearance required is opening width plus 4'4".

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GuardRite® Light Duty Barrier

GuardRite Light Duty Barrier is a modular, high-visibility fixed barrier system that is easy to install, and can be configured in a variety of ways. It's ideal wherever separation for pedestrian traffic is necessary – at entrances to the plant, along inside perimeter walls, and outside of cafeterias and restrooms.



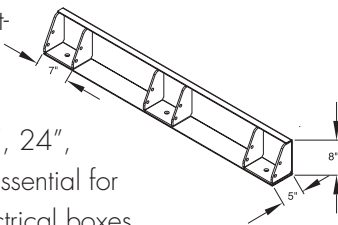
Safe-T-Gate® Light Duty

Safe-T-Gate Light Duty is a lightweight, cost effective personnel barrier that provides easy pedestrian access whenever needed. While not designed to stop material handling vehicles, it will absorb minor bumps with little or no damage.



GuardRite® SureStop

GuardRite SureStop is an eight-inch high gusseted barrier that can stop 10,000 lbs. at 4 mph and is available in 18", 24", 36", 48" or 60" lengths. It's essential for safeguarding the bases of electrical boxes and the walls in modular buildings.



Incorporate multiple barrier systems to create a highly visible barrier for pedestrians and fork trucks.



*SureStop Curve,
single unit*

SureStop™ Curve

SureStop Curve is designed to protect racking and corners and can be used as a single unit or combine four to protect a column. Can also be used with straight runs of SureStop.



GuardRite® Heavy Duty

GuardRite Heavy Duty is a traditional steel guardrail ideal in situations where rigid, durable protection is needed. Examples include isolating open, exposed work areas, separating conveyers from pallet storage, and protecting workstations at loading docks.



Dock Levelers

Smooth transition is created between the loading dock floor and the trailer, minimizing jolts to fork lift operators and product and equipment damage. Integrated steel barrier prevents drop-off accidents at vacant dock positions.



Vehicle Restraints

The most effective way to prevent accidents caused by trailer separation and vertical or horizontal movement.



Frommelt® Seals and Shelters

A variety of top designs effectively maintain environmental control and protect products, equipment and personnel from weather-related hazards.



FasTrax® High-Performance Industrial Doors

The safest, most efficient and most reliable doors in the industry.



Combination Controls

The Dok-Commander® system integrates multiple control components at each dock position for a total dock safety system.



Industrial HVLS Fans

Rite-Hite's high volume low speed fans – or HVLS fans – are designed to circulate air efficiently and effectively. Rotating at an optimized low speed, a Rite-Hite HVLS industrial ceiling fan moves the most air over the largest area at the lowest cost.

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8900 North Arbon Drive • Milwaukee, WI 53223 • USA • 414-355-2600 • 800-456-0600 • FAX: 414-355-9248

www.ritehite.com

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