



Alpha Door Systems

Product Catalogue



DOCK EQUIPMENT

RUGGED LOADING DOCK SOLUTIONS THAT PROTECT AND PERFORM.

- Levelers
- Restraints
- Seals & Shelters
- Bumpers
- Trucklifts



DOORS

THE MOST COMPLETE LINE OF INNOVATIVE DOOR SOLUTIONS.

- High Speed
- Overhead
- Door Openers
- Cold Storage
- Impact Doors
- Rolling Steel / Fire
- Grilles
- Insect Shield



AFTERMARKET

DEDICATED TO PROVIDING TOTAL CUSTOMER CARE AND SATISFACTION

- Hydraulic Dock Conversion Kit
- Dok-Guardian
- TS-2000
- GX-4000
- Dock Fans
- Dock Lights
- Guardrite
- Wheel guide
- Coolhead
- Coolman
- Dok-Box
- GW-4000
- Hoods
- Warden

Steve Robinson

Manager

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www.alphadoors.com

519-659-5188

ALPHA

DOOR SYSTEMS INC.

DOCK EQUIPMENT

RUGGED LOADING DOCK SOLUTIONS THAT PROTECT AND PERFORM.

ALPHA DOOR SYSTEMS INC. (H-1)		INSPECTOR'S REPORT	
MODEL	TYPE	BY	P.H.
STATION	HL	DATE	TIME
DOOR CHECK	GOOD	POOR	UNSAFE
1. CHECK MATS FOR LOOSE PARTS OR SIGNS OF WEAR			
2. TIGHTEN AND INSPECT DOOR HARDWARE			
3. TIGHTEN AND INSPECT ROLLERS AND TRACKS			
4. MANUALLY OPERATE DOOR AND CHECK OPERATION			
5. LUBRICATE ROLLERS, BEARINGS, ETC.			
6. ADJUST DOOR FOR SEAL ON FLOOR			
7. CHECK CONDITION OF WEATHERSTRIP MATERIAL			
8. SPRINGS FOR SIGNS OF COLLAPSE			
9. COILS AND TIGHTEN COILS, BREAK, COUPLINGS			
10. CHECK DOOR FACE FOR DAMAGE (OUTSIDE)			
11. CHECK DOOR SECTIONS FOR DE ANNOTATING ETC. (INSIDE)			
12. REPLACEMENTS PARTS REQUIRED:			
MODEL	QTY	SIZE	
13. COMMENTS:			
ELECTRICAL OPERATORS			
14. CHECK CONDITION OF ALL BELTS			
15. CHECK ALL OPERATOR BEARINGS			
16. CHECK ALL SPROCKETS AND CHAINS			
17. CHECK MOUNTING BOLTS TIGHT, WELLS CRACKED			
18. INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS			
19. CHECK ALL CONTROL DEVICES AND SAFETY FEATURES			
20. IS DOOR LOCKED OUT? ALPHA LOCK OTHERS LOCK			
Legend			
Good: Parts have been checked and are currently running in a safe and efficient manner.			
Fair: Parts have been checked and may require future maintenance.			
Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in Item 13.			
Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked-out)			
Reviewed With Customer:		Date:	

Manufacturers Inc.

ALPHA DOOR SYSTEMS INC.

LEVELERS

ALPHA DOOR SYSTEMS INC. - OVERHEAD DOOR INSPECTIONS

Sub # _____
BUILDING # _____ DOOR # _____

MANUFACTURE: _____ DOOR SECT: _____
LIFT: _____ HP: _____ BLIFT: _____ OPERATOR: _____ HP: _____ V: _____ P.H.: _____

DOOR DOOR CHECK LIST	GOOD	FAIR	POOR	UNSAFE
1. CHECK FOR WEAR				
2. CORRECT TENSION AND WELL BALANCED				
3. CHECK SHAP FOR LOOSE PARTS OR SIGNS OF WEAR				
4. TIGHTEN AND INSPECT DOOR HARDWARE				
5. TIGHTEN AND INSPECT GUIDES AND TRACKS				
6. MANUALLY OPERATE DOOR AND CHECK OPERATION				
7. LUBRICATE ROLLERS, BEARINGS, ETC.				
8. APPLY DOOR FOR SEAL ON FLOOR				
9. CHECK CONDITION OF WEATHERSTRIP MATERIAL				
10. INSPECT SPRINGS FOR SIGNS OF COLLAPSE				
11. INSPECT AND TIGHTEN CONES, DRUMS, COILS, ETC.				
12. APPLY SERVICE DECAL (NUMBER DOOR 1)				
13. CHECK DOOR JACK FOR DAMAGE (OUTSIDE)				
14. CHECK DOOR SECTIONS FOR DELAMINATING ETC. (INSIDE)				
15. REPLACEMENT PARTS REQUIRED:				
MODEL: _____				
QTY: _____				
SIZE: _____				

17. COMMENTS: _____

ELECTRICAL OPERATORS

	GOOD	FAIR	POOR	UNSAFE
18. CHECK CONDITION OF ALL BELTS				
19. CHECK ALL OPERATOR BEARINGS				
20. CHECK ALL SPRINGS AND CHAINS				
21. CHECK MOUNTING DRUMS TIGHT, WELDED CRACKS				
22. INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS				
23. CHECK ALL CONTROL DEVICES AND SAFETY FEATURES				
24. IS DOOR LOCKED OUT? _____				
ALPHA LOCK _____				
OTHERS LOCK _____				

Legend:
Good: Parts have been checked and are currently meeting in a safe and efficient manner.
Fair: Parts have been checked and may require future maintenance.
Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in line 17.
Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked-out)

Reviewed With Customer: _____ Date: _____

AlphaDoorSystems.com

HD-3100

SAFE-T-LIP[®]

DOCK LEVELER

**GET THE ULTIMATE IN DOCK LEVELER SAFETY
AND PERFORMANCE.**

**Vacant Dock
Drop-Off Protection**

**Maximum Impact
Resistance**

**Automatic Return
to Dock**

**Automatic
Free-Fall Protection**

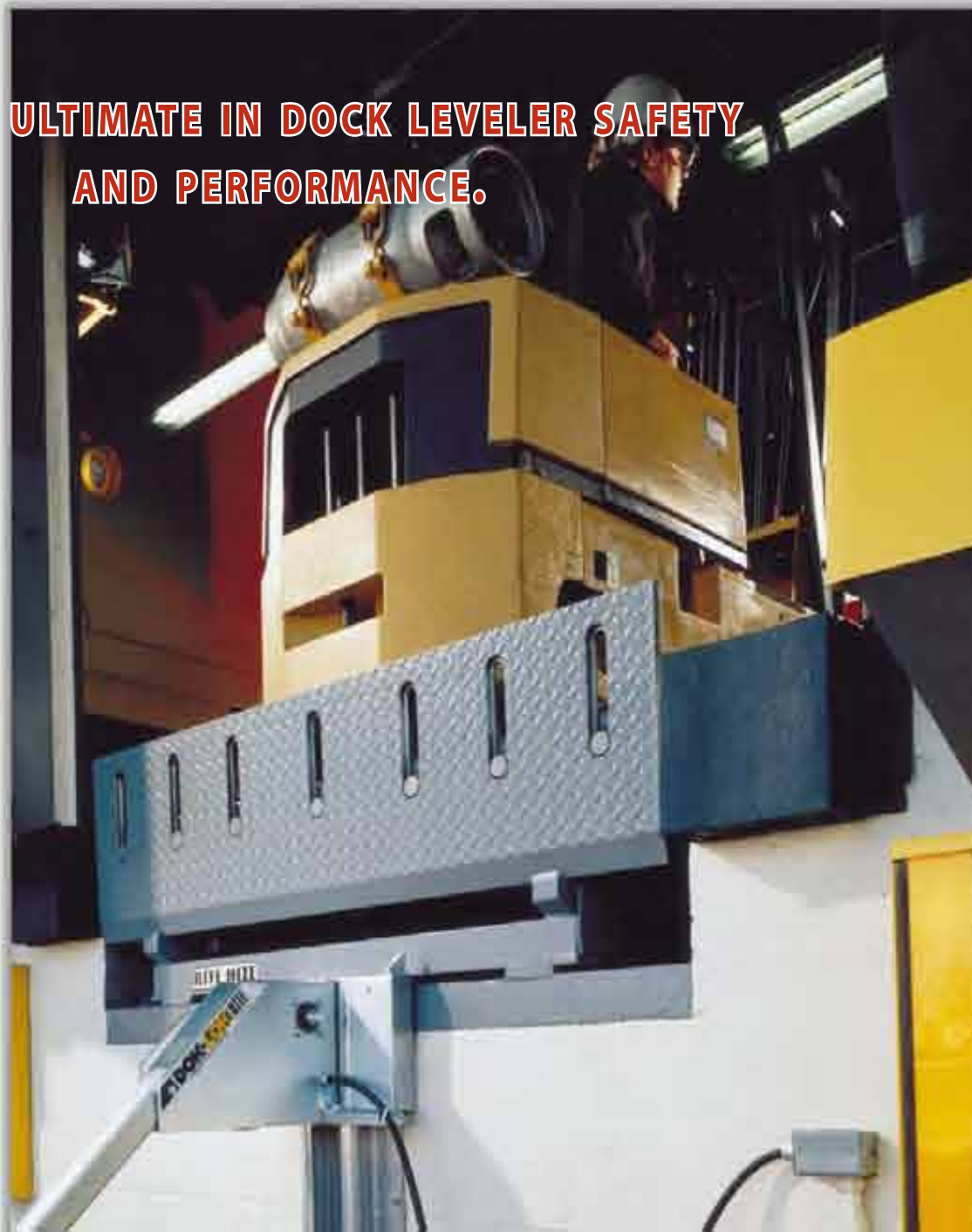
**Unobstructed
End-Load Access**

Infinite Control

**Proven Hydraulic
Reliability**

**Safe and Simple
Maintenance**

RITE·HITE[®]



WHAT WOULD IT COST TO ENDURE A DROP-OFF ACCIDENT AT A VACANT DOCK?

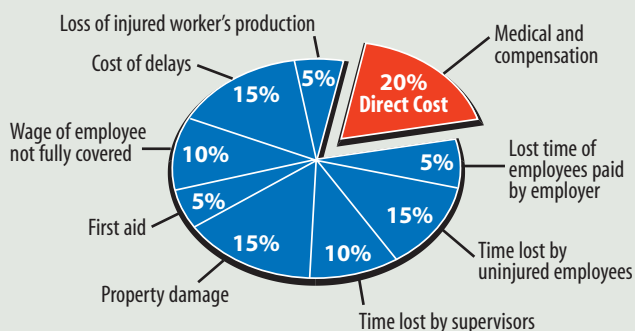
**Employees are priceless.
Safety is critical.**

Your loading docks are key areas where millions of dollars in products and materials pass through weekly. But the most valuable assets here are your employees and your good safety record.

Accidents can be costly.

Forklifts can fall off the dock for many reasons, and these accidents can occur regardless of whether or not the dock door is closed. Studies show that a serious industrial accident can easily cost your company over \$1 million *after* insurance. This includes direct costs, such as medical expenses and compensation, but more significant are the indirect or "hidden" costs.

Indirect (hidden) costs can be 4x direct costs.



The consequences can be severe.

The financial impact alone of a dock accident can be devastating to companies of any size. The potential human consequences can be even greater, as a busy dock can quickly become the site of disabling, even life-threatening personal injury.

Dock Accidents Aren't Rare.

According to OSHA, dangerous dock conditions are the cause of more than 10% of all *reported* forklift accidents each year*. Many accidents and near misses are never reported.

The Numbers Are Climbing.

"Each year about 100 workers are killed and almost 95,000 are injured in industrial truck accidents."

– OSHA Chief Charles N. Jeffress
Modern Materials Handling, February 1999

This translates into nearly 9,500 serious accidents annually resulting from dangerous dock situations.

*Source: Powered industrial truck accidents reported through OSHA's "First Report of Serious Accidents" 1985-1990, *Modern Materials Handling*, February 1996.



SAFE-T-LIP® LEVELERS IMPROVE DOCK SAFETY.



The original Rite-Hite HD-3100 SAFE-T-LIP leveler has set the standard for the industry. This proven, popular model was the first leveler to effectively integrate a safety barrier that positions automatically, so you're not leaving this critical step to chance. No other leveler is as effective in providing the added safety you need when trailers are not present. The premium HD-3100 is loaded with this and other safety features to make your dock simply as safe as it can be.

The unique SAFE-T-LIP design forms a solid barrier against accidents as the slotted lip slides into position on rugged stainless steel shoulder bolts.



Automatic safety stop prevents platform free-fall.

When a trailer pulls away from your dock while there's a heavy load on the platform, other levelers can come crashing down. But the HD-3100 has a hydraulic velocity fuse safety stop that automatically limits the drop to 3" or less from any leveler position.



Safe for cross-traffic.

The HD-3100 automatically returns to dock level after use with the lip extended, so forklifts can drive safely across the leveler when it's not in use.



Protection during leveler maintenance.

The SAFE-T-STRUT™ support system is a strong, easy-to-position maintenance strut that ensures safe access to the pit. Lock-out capabilities help you comply with OSHA regulations.



SAFE-T-LIP® LEVELERS MAXIMIZE PRODUCTIVITY.

Rite-Hite fully hydraulic SAFE-T-LIP dock levelers are designed to maximize productivity with a host of simple, reliable features that help keep your material handling operations moving smoothly.

Full unobstructed end-load access.

The exclusive retractable lip design allows the barrier to move out of the way so you can handle end loads at any leveler position.



Simple service and maintenance.

The clear poly fluid reservoir allows quick visual inspection of the hydraulic fluid level. Convenient grease fittings are provided for simple lubrication. The flexible PT-2 weather seal is easily replaced.



Infinite hydraulic control.

Precise, infinite control system allows smooth, efficient operation and gives the dock attendant full control at all times. Operator has the flexibility to extend the lip or stop the platform at any time during leveler travel.

Other drop-off barrier designs will not allow unobstructed endloading, making it impossible to safely access end-load pallets.

Built for longer lifetime value.

HD-3100 levelers are built to handle the most demanding operations, and are backed by a 10-year money-back guarantee, based on your specific performance requirements. Your investment is protected and you can expect many years of trouble-free operation.

SAFE-T-LIP®
DOCK LEVELERS
CAN PREVENT
DROP-OFF ACCIDENTS.

**The best
way to
avoid disaster:
Automatic
dock drop-off
protection.**

HD-3100 SAFE-T-LIP levelers provide full-time protection against fork trucks falling off a vacant dock. The barrier is an integral part of the leveler and is positioned automatically when the leveler returns to a stored position after use.

HD-3100 IS PART OF A TOTAL DOCK SAFETY SYSTEM.

Rite-Hite's SAFE-T-LIP levelers are a key component of a productive material handling operation, but they are only the beginning. Rite-Hite has engineered other innovative dock products that work together in a system to maximize safety and productivity at your dock.

WORKHORSE™ Doors

Innovative sectional door with the Break-Thru™ safety system that increases safety and productivity.

SAFE-T-LIP® Levelers

Integrated steel barrier helps prevent forklift drop-off accidents at vacant dock positions.



FROMMELT® Seals and Shelters

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

DOK-LOK® Vehicle Restraints

The most effective means of preventing trailer separation accidents.

WHEEL-LOK™ Vehicle Restraints

The most versatile designs to serve a wide variety of trailers with or without rear impact guards (ICC bars) including those with hydraulic liftgates.



DOK-COMMANDER™ Combination Controls: The hub of your dock safety system.

Rite-Hite's combination control panel integrates the controls of multiple powered devices into a single box. Interlock options simplify operation and improve safety. Reduced electrical installation requirements save money.



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RITE·HITE®

RH Series

Hydraulic Dock Leveler

Exclusive safety features

- SAFE-T-LIP® barrier helps prevent open dock drop-off accidents.
- SAFE-T-STRUT™ Maintenance Support System protects personnel during clean out and inspection and provides lockout capability – Unique through-the-lip design keeps strut in place when leveler is raised or is side-impacted by lift truck.

Smooth transition technology

- Ensures smooth transition between loading dock and trailer.
- Reduces jolts to forklift operators.
- Minimizes product damage.

Full end load access

- Patented slotted lip can be positioned out of the way for unobstructed end loading.

Platform construction

- 8" (200 mm) beam spacing accommodates a variety of material handling equipment – ideal for 3-wheel lift truck traffic.

Automatic safety protection

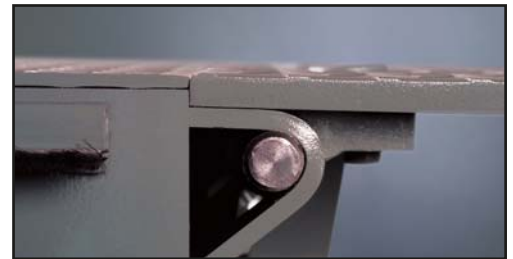
- Automatic recycle feature returns leveler to safe dock level position after use with lip on trailer bed.
- Dependable hydraulic velocity fuse automatically stops rapid leveler descent within 3" (76mm) with heavy load on platform.

Environmentally friendly

- Hydraulic fluid is biodegradable.



Smooth Rear Transition



Two-Point Crown Control



Rugged steel SAFE-T-LIP® barrier helps prevent drop-off accidents.

**Get maximum safety and productivity
in a hydraulic dock leveler
with the smoothest transitions
in the industry.**



RITE-HITE® Hydraulic dock levelers feature a consistent, reliable lip crown from the rear hinge to the front hinge. RITE-HITE® dock levelers also operate with a biodegradable fluid that outperforms historical industrial grade fluid and is environmentally friendly.



RITE-HITE®

SPECIFICATIONS

Hydraulic Dock Leveler

OPERATION:

The platform is raised when the dock attendant pushes and holds the "Raise" button on the control box. After the lip clears the trailer floor, pushing and holding the "Lip Out" button while continuing to hold the "Raise" button will extend the lip. Releasing the push buttons will allow the leveler platform and lip to lower to the truck bed, above and below dock height, without requiring manual chain pulling.

The platform is designed to compensate for canted truck beds up to 4" (102 mm) and remains flush with the rear of the pit to eliminate pinch points. Lip is yieldable.

SAFETY FEATURES:

- Exclusive 18" (460 mm) Lip, 5" (125 mm) SAFE-T-LIP® barrier will stop a 10,000 lb. (4,535 kg) load moving at 4 mph (6.4 kph).
- Unique slotted lip can be easily positioned out of the way for end loading.
- Integral SAFE-T-STRUT™ Maintenance Support System extends through lip and remains in place if leveler is impacted by a fork truck. System also provides lock-out, tag-out capability.

STANDARD FEATURES:

- Automatic return to dock to prevent void in the floor.*
- Quick clean subframe.
- Non-adjustable hydraulic fuse limit platform free fall to 3" (76mm).
- Weatherseal (brush or plytex) helps maintain environmental control.*
- Full range, telescoping toeguards close off sides when leveler is in highest upward position.
- Lip keepers are provided for cross traffic support and act as automatic night locks to help prevent building break-in attempts through dock areas.
- Entire leveler is protected with a gray enamel paint finish.
- Dual push button control box provides infinite lip control allowing operator to extend lip or stop platform any time during leveler travel.*
- Two laminated bumpers provided.
- 12-month money back satisfaction warranty.

*Rite-Hite Hydraulic Dock Levelers can be ordered with or without these features.

NOMINAL DIMENSIONS:

Rite-Hite Hydraulic Dock Levelers are available in widths of: 6' (1,830 mm) 6'6" (1,980 mm), 7' (2,130 mm), and lengths of: 6' (1,830 mm) 8' (2,440 mm), 10' (3,050 mm).

CAPACITY:

To be determined by customer need and Dock Leveler Investment Guide. Standard capacities: C, D, F, and H. Consult your RITE-HITE® Representative for details.

HYDRAULICS:

The platform is raised by a 2 1/2" (64 mm) ID hydraulic cylinder with a 1 1/2" (38 mm) solid guide rod mounted to the leveler frame. The lip is extended by a 1 1/2" (38 mm) ID cylinder. The hydraulic pump, manifold, and oil reservoir are contained in an integral assembly. Hoses are routed under the leveler platform, away from debris. Has JIC flange or "O" ring fittings. Hydraulic fluid is biodegradable.

ELECTRICAL:

The 3/4 HP motor is rated at 115/230V, 60 Hz, single phase. 208/230/460/575V, 60 Hz, three phase and 380/415V, 50Hz, three phase are also available as options. All electrical components, connections and wiring are UL listed or recognized. Please Note: Unless specifically noted on quotation, all electrical including hook-up is the responsibility of others.

OPTIONAL FEATURES:

- Rite-Hite Dok-Lok Vehicle Restraints
- Up to 20-year warranty, based on Dock Leveler Investment Guide (DLIG)
- End load legs for at or below dock level end loads with a SAFE-T-LIP® barrier.
- 16" (406 mm) Lip (non-SAFE-T-LIP®)
- 18" (460 mm) Lip (non-SAFE-T-LIP®)
- 20" (500 mm) Lip (non-SAFE-T-LIP®)
- 20" (500 mm) Lip (SAFE-T-LIP®), 7" high (177.8 mm)
- Hydra-Rite™ Hydraulic Package (Up to 20-year warranty per DLIG)
 - 4" (102 mm) main lifting cylinder
 - 2 1/2" (64 mm) lip cylinder
 - Cylinder return lines
 - 1 hp motor

10-20 YEAR MONEY BACK STRUCTURAL WARRANTY:

RITE-HITE shall provide a written 10-20 year money back warranty based on the Dock Leveler Investment Guide and the following criteria:

- Gross weight of fork truck and load shall not exceed _____ lbs.
- User's operation shall not exceed _____ full truckloads per 24 hour period over any one dock position.
- Fork truck speed shall not be more than 5 mph (8 kph) and leveler grade shall be no more than 7%.

This warranty will be provided on manufacturer's published form and will include the following components and parts: lip assembly, front hinge and hinge pins, rear hinge and hinge pins, subframe and platform assembly.

All parts not included will be covered by a standard five-year parts, one-year labor warranty.



Control Box



Hydra-Rite™ Hydraulic Package



Optional end load legs can be used with SAFE-T-LIP® leveler to allow for unobstructed end loading.

Ask your RITE-HITE® Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315; 4,570,277; 4,605,353; 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,111,546; 5,212,846; 5,297,921; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,553,987; 5,582,498; 5,664,930; 5,702,223; 5,762,459; 5,882,167; 5,964,572; 6,010,297; 6,065,172; 6,070,283; 6,074,157; 6,085,375; 6,092,970; 6,106,212; 6,116,839; 6,190,109. Other U.S. and foreign patents pending.

RITE-HITE® and DOK-LOK® are registered trademarks of the RITE-HITE Corporation. SAFE-T-STRUT™ and WHEEL-LOK™ are trademarks of RITE-HITE Corporation. RITE-HITE® reserves the right to make product improvements without prior notice.

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www.ritehite.com

R14HLEVSLSS305D

RITE-HITE®

RHA Series

Air-Tower Dock Leveler

Exclusive safety features

- SAFE-T-LIP® barrier helps prevent open dock drop-off accidents.
- SAFE-T-STRUT™ Maintenance Support System extends through the lip to protect personnel during clean-out and inspection and provides lockout capability.

Advanced, low-pressure lifting system

- State-of-the-art cylindrical air tower is wear resistant for longest life.
- Exclusive forward mounting provides optimum lifting efficiency.
- Protected by rugged stationary support.

Smooth transition technology

- Ensures smooth transition between loading dock and trailer.
- Reduces jolts to forklift operators.
- Minimizes product damage.

Reliable components, low maintenance

- Simple design, few moving parts.
- Motor and blower mounted off floor, away from dirt and debris.
- Easy access to leveler pit for quick clean out and inspection.
- Lifting system requires no scheduled maintenance.
- Lip mechanism requires no adjustment.

Platform construction

- 8" (200 mm) beam spacing accommodates a variety of material handling equipment – ideal for 3-wheel lift truck traffic.

Dealer and manufacturer support

- 12-month money-back satisfaction guarantee.
- 5-year warranty on air-tower.



Get push-button convenience, easy clean-out and the smoothest transitions in the industry.



Smooth Rear Transition



Two-Point Crown Control

RITE-HITE® Air-Tower dock levelers feature a consistent, reliable lip crown from the rear hinge to the front hinge. RITE-HITE dock levelers also provide the smoothest transitions between the loading dock and trailer to help prevent injuries and minimize fork truck and product damage – regardless of height differential between leveler and trailer.



RITE-HITE®

SPECIFICATIONS

Air-Tower Dock Leveler

OPERATION:

The platform is raised when the dock attendant pushes and holds the button on the control box. The platform will fully rise and the lip will then automatically extend. Releasing the push button will cause the leveler platform and lip to lower to the truck bed. Nominal operating range is 12" above and 12" below dock level (+/-300 mm). The platform is designed to compensate for canted truck beds up to 4" (100 mm) and remains flush with the rear of the pit to eliminate pinch points. Lip is yieldable.

SAFETY FEATURES:

- Exclusive 5" (125 mm) SAFE-T-LIP® barrier will stop a 10,000 lb. load moving at 4 mph (6.4 kph).
- Unique slotted lip can be easily positioned out of the way for end loading.
- Multi-position structural safety legs provide emergency support in the event a truck departs with a load on the leveler.
- Integral SAFE-T-STRUT™ Maintenance Support System extends through lip and remains in place if leveler is impacted by a fork truck. System also provides lock-out, tag-out capability.

STANDARD FEATURES:

- Automatic return to dock to prevent void in the floor.
- 12" (300 mm) steel toeguards are welded to leveler platform.
- Stump-out solution to provide free-fall protection.
- Weatherseal (brush or plytex) helps maintain environmental control.
- Full range, telescoping toeguards close off sides when leveler is in highest upward position.
- Lip keepers are provided for cross traffic support and act as automatic night locks to help prevent building break-in attempts through dock areas.
- Entire leveler is protected with a gray enamel paint finish.
- Two laminated bumpers provided.

NOMINAL DIMENSIONS:

Rite-Hite Air-Tower Dock Levelers are available in widths of: 6' (1,830 mm) 6'6" (1,980 mm), 7' (2,130 mm), and lengths of: 6' (1,830 mm) 8' (2,440 mm), 10' (3,050 mm).



*Rugged steel
SAFE-T-LIP®
barrier helps
prevent drop-
off accidents.*

CAPACITY:

To be determined by customer need and Dock Leveler Investment Guide. Standard capacities: C, D and F. Consult your RITE-HITE® Representative for details.

ELECTRICAL/CONTROLS:

The totally enclosed motor is rated at 110V, 60Hz, single phase. All operator controls are mounted in a gasketed, NEMA 12 enclosure. All electrical components, connections and wiring are UL listed or recognized.

Please Note: Unless specifically noted on quotation, all electrical including hook-up is the responsibility of others.

Phase/Voltage Distance in Feet Between Leveler Control Box and Power Source (Circuit Breaker)

	0-99	100-200	200+
Single Phase 115 Volts	10 Ga. Wire	8 Ga. Wire	6 Ga. Wire

OPTIONAL FEATURES:

- 18" (460 mm) Lip (non-SAFE-T-LIP®)
- 20" (500 mm) Lip (non-SAFE-T-LIP®)
- 20" (500 mm) Lip (SAFE-T-LIP®), 7" high (177.8 mm)
- Available without:
 - Automatic Return To Dock (ARTD)
 - Stump Out Solution (SOS)
 - Weatherseal

10-20 YEAR MONEY BACK STRUCTURAL WARRANTY:

RITE-HITE shall provide a written 10-20 year money back warranty based on the Dock Leveler Investment Guide and the following criteria:

- Gross weight of fork truck and load shall not exceed _____ lbs.
- User's operation shall not exceed _____ full truckloads per 24 hour period over any one dock position.
- Fork truck speed shall not be more than 5 mph (8 kph) and leveler grade shall be no more than 7%.

This warranty will be provided on manufacturer's published form and will include the following components and parts: lip assembly, front hinge and hinge pins, rear hinge and hinge pins, subframe and platform assembly. All parts not included will be covered by a standard five-year parts, one-year labor warranty.

12-MONTH MONEY BACK SATISFACTION WARRANTY:

In addition to all other warranties, RITE-HITE® will provide a written warranty that the equipment will perform in a manner satisfactory to the Owner for a period of 12 months after date of installation. If the Owner is not satisfied with the performance of the equipment, the Owner may notify RITE-HITE® and RITE-HITE® shall remove the equipment and refund the equipment purchase price to the Owner. All warranties are subject to standard limitations on liability. Consult your RITE-HITE® Representative for details.

Ask your RITE-HITE® Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315; 4,570,277; 4,605,353; 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,111,546; 5,212,846; 5,297,921; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,553,987; 5,582,498; 5,664,930; 5,702,223; 5,762,459; 5,882,167; 5,964,572; 6,010,297; 6,065,172; 6,070,283; 6,074,157; 6,085,375; 6,092,970; 6,106,212; 6,116,839; 6,190,109. Other U.S. and foreign patents pending.

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RHM Series

Mechanical Dock Leveler

Simple operation

- Unique counterbalance system ensures smooth, consistent walk-down.
- Heavy-duty ramp control includes 9-tooth pawl and ratchet bar hold-down system, the most reliable in the industry.
- Structural safety stops help protect uncontrolled free fall.

Smooth transition technology

- Ensures smooth transition between loading dock and trailer.
- Reduces jolts to forklift operators.
- Minimizes product damage.

SAFE-T-STRUT™

Maintenance Support System

- Unique through-the-lip design keeps strut in place even when leveler is raised to its highest position or is side-impacted by a fork truck.
- System provides lockout capability.

HYDRACHEK® Lip Assist System

- Provides positive lip extension and yieldable lip.

Platform construction

- 8" (200 mm) beam spacing provides flexibility to accommodate a variety of material handling equipment.
- Superior support for 3-wheel fork truck traffic.

Dealer and manufacturer support

- 12-month money-back satisfaction guarantee.



Rugged leveler provides safety, cost efficiency and the smoothest transitions in the industry.



Smooth Rear Transition



Two-Point Crown Control

RITE-HITE® Mechanical dock levelers feature a consistent, reliable lip crown from the rear hinge to the front hinge. RITE-HITE dock levelers also provide the smoothest transitions between dock leveler and trailer to help prevent injuries and minimize fork truck and product damage – regardless of height differential between leveler and trailer.



RITE-HITE®

SPECIFICATIONS

Mechanical Dock Leveler

OPERATION:

The platform is raised when the dock attendant activates the release-chain assembly, located at the rear of the platform. The hinged lip fully extends during upward travel. The attendant walks the platform down onto the truck bed. If truck beds are below dock height, the attendant pulls a second chain at the front of the platform during walk-down. Operating range is 12" above and 12" below dock level (+/- 300 mm). The standard 16" (400 mm) lip extends 11" (280 mm) beyond the standard 4" (100 mm) bumper.

The platform is designed to compensate for canted truck beds up to 4" (100 mm) and remains flush with the rear of the pit to help eliminate pinch points.

SAFETY FEATURES:

- Multi-position structural safety legs provide emergency support in the event a truck departs with a load on the leveler.
- HYDRACHEK® Lip Assist System provides positive, reliable operation of yieldable lip.
- The heavy-duty ramp control provides platform float for vertical trailer movement.
- Integral SAFE-T-STRUT™ Maintenance Support System includes a minimum 1" (25 mm) diameter steel pipe and provides visual warning by extending through the leveler lip. System remains in place if leveler is accidentally raised to its highest operating position or is impacted from the side or rear by a fork truck. System provides lock-out, tag-out capability.

STANDARD FEATURES:

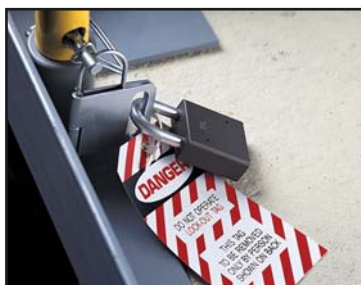
- 12" (300 mm) steel toeguards are welded to leveler platform.
- Weatherseal (brush or plytex) helps maintain environmental control.
- Entire leveler is protected with a gray enamel paint finish.
- Two laminated bumpers provided.

NOMINAL DIMENSIONS:

Rite-Hite Mechanical Dock Levelers are available in widths of: 6' (1,830 mm) 6'6" (1,980 mm), 7' (2,130 mm), and lengths of: 6' (1,830 mm) 8' (2,440 mm), 10' (3,050 mm).

CAPACITY:

To be determined by customer need and Dock Leveler Investment Guide. Standard capacities: C, D and F. Consult your RITE-HITE® Representative for details.



SAFE-T-STRUT™ Maintenance Support System offers lock-out capability to help you comply with OSHA regulations, such as 29 CFR 1910.147.

OPTIONAL FEATURES:

- 18" (460 mm) Lip
- 20" (500 mm) Lip
- Full Range Telescoping Toeguards

10-20 YEAR MONEY BACK STRUCTURAL WARRANTY:

RITE-HITE® shall provide a written 10-20 year money back warranty based on the Dock Leveler Investment Guide and the following criteria:

- Gross weight of fork truck and load shall not exceed _____ lbs.
- User's operation shall not exceed _____ full truckloads per 24 hour period over any one dock position.
- Fork truck speed shall not be more than 5 mph (8 kph) and leveler grade shall be no more than 7%.

This warranty will be provided on manufacturer's published form and will include the following components and parts: lip assembly, front hinge and hinge pins, rear hinge and hinge pins, main lifting springs, subframe and platform assembly. All parts not included will be covered by a standard five-year parts, one-year labor warranty.

12-MONTH MONEY BACK SATISFACTION WARRANTY:

In addition to all other warranties, RITE-HITE® will provide a written warranty that the equipment will perform in a manner satisfactory to the Owner for a period of 12 months after date of installation. If the Owner is not satisfied with the performance of the equipment, the Owner may notify RITE-HITE® and RITE-HITE® shall remove the equipment and refund the equipment purchase price to the Owner. All warranties are subject to standard limitations on liability. Consult your RITE-HITE® Representative for details.

Ask your RITE-HITE® Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,110,860; 4,146,888; 4,191,503; 4,208,161 (RE 33,242); 4,257,137; 4,264,259; 4,267,748; 4,282,621; 4,286,410; 4,364,137; 4,373,847; 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315 (RE32,968); 4,570,277; 4,605,353 (RE 33,154); 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,047,748; 5,111,546; 5,168,267; 5,212,846; 5,271,183; 5,297,921; 5,299,386; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623. Other U.S. and foreign patents pending.

RITE-HITE®, DOK-LOK® and HYDRACHEK® are registered trademarks of the RITE-HITE Corporation. SAFE-T-STRUT™ is a trademark of RITE-HITE Corporation. RITE-HITE® reserves the right to make product improvements without prior notice.

RHV SERIES

VERTICAL STORING
HYDRAULIC DOCK LEVELERS

ENGINEERED FOR A SMOOTHER RIDE
AND A CONTROLLED ENVIRONMENT.



RITE·HITE®



Maximize safety and productivity.

Vertical storing leveler features:

- ▶ Overhead door closes all the way to the pit floor, providing better environmental control over temperature and humidity extremes.
- ▶ Prevents dust, insects and rodents from entering, and the tight seal provides additional security by minimizing points of entry when the dock is not being used.
- ▶ Vertical storing position allows for easy routine pit cleaning or full wash-down.
- ▶ The maintenance/safety support system ensures safe access to the pit.
- ▶ Drive-Thru Application maintains security and environmental control.
- ▶ Protection for your closed overhead door.

RHV SERIES

VERTICAL STORING HYDRAULIC DOCK LEVELERS

A very smooth move.

Rite-Hite is continually developing innovative solutions to improve loading dock safety by helping to prevent loading dock accidents, as well as helping to eliminate the serious condition known as Dock Shock from your facility.



Dock Shock is the constant jolting and jarring caused by a forklift crossing over the bumps and gaps of a traditional dock leveler, resulting in exposure to whole-body vibration. A first-time back injury can cost your company as much as \$10,000, with chronic back injuries adding up to \$300,000 over time.¹



An extended lip chamfer provides a smooth transition from the trailer bed onto the leveler.



Two-point crown control on the front lip hinge distributes the load evenly, smooths out the transition between the leveler and the trailer bed, and extends the hinge life.



The constant-radius rear hinge creates a smooth transition between the leveler and the warehouse floor.

¹The Ohio State University

Pit configurations to meet your facility's needs.

T-Style pit

Photo shows 6' long dock leveler.



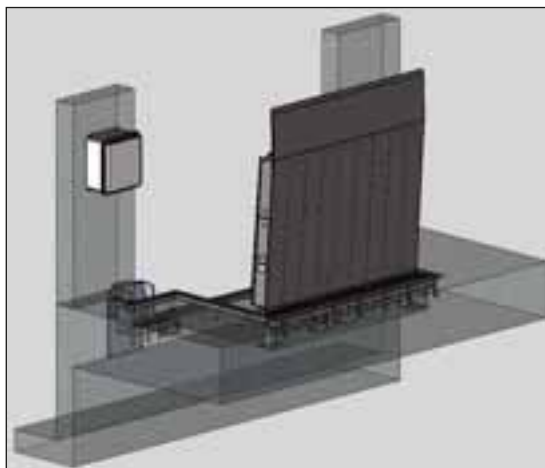
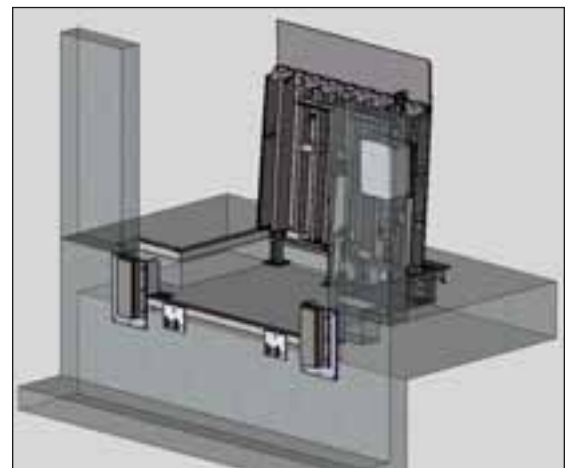
The T-Style pit configuration allows access to wall-mounted controls, increases floor space for product staging and pallet storage, and eliminates gaps or "drop zones" when the platform is down.

RHV exclusive features:

Rite-Hite's vertical storing hydraulic leveler, the RHV, is part of a total integrated system that is:

- ▶ Redesigned for today's dock traffic
- ▶ Customized for your specific needs
- ▶ Engineered to provide safer working conditions

1. Smooth transition between loading dock and trailer, reducing jolts to forklift operators and minimizing product and equipment damage.
2. Constant-pressure push-button controls keep your operator in control of the platform at all times.
3. Structural durability from a single platform and lifting cylinder and two additional beams allow for no more than 8" of unsupported deck space, providing superior support for 3-wheel lift trucks.
4. Lip system prevents costly bed damage that could occur with powered-in and powered-out lips.



RHV SERIES

VERTICAL STORING HYDRAULIC DOCK LEVELERS

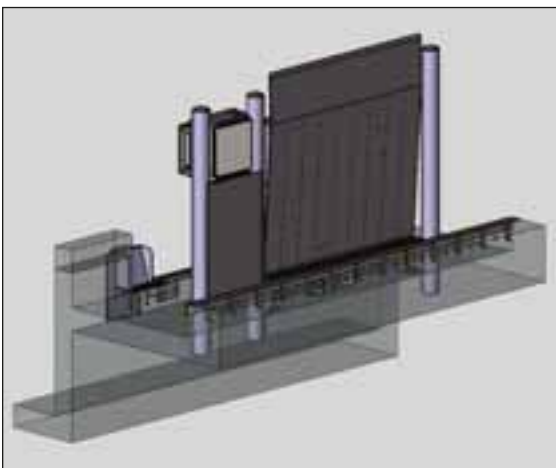
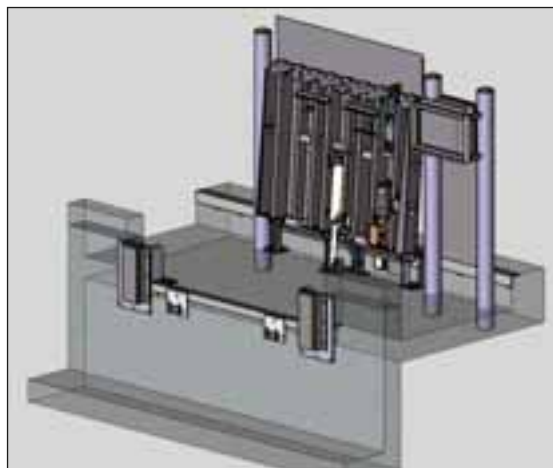
Continuous pit

Photo shows 6' long dock leveler.

- 5. Environmentally friendly biodegradable fluid.
- 6. Smooth leveler free-float – A mechanical counterbalance valve allows the leveler to float freely when a load is applied so that it constantly follows the trailer bed – even during a loss of power.
- 7. Power-up/power-down unit doesn't rely on gravity for leveler operation.
- 8. Optional Frommelt® VHLS Under-leveler Seal saves energy and helps prevent dirt and debris from entering pit.
- 9. Pump, motor and valving can be mounted beneath the deck (shown) or can be remote mounted.
- 10. Run-off guards help protect a driver from accidentally driving off the side.
- 11. Tiltback control stores the leveler over-center, reducing the pressure on the hydraulic system.



The Continuous pit configuration allows for easy, routine cleaning or full wash-down.



Maximize security and environmental control.

Drive-Thru

With Rite-Hite's Drive-Thru Application, your facility is more secure and the interior climate is well maintained.

- ▶ Helps ensure an uninterrupted cold chain.
- ▶ Custom designed for your facility.

Contact Rite-Hite to find out how our design experts can help implement the Drive-Thru Application in your facility.



Vertically stored over-center, allowing the overhead door to remain closed when not in use.



Trailer doors can remain closed and truck driver does not need to get out of the cab.



Dock attendant opens the trailer doors inside of the building and lowers the leveler into position.



Loading/unloading process takes place like a standard pit-mounted leveler.

RHV SERIES

VERTICAL STORING HYDRAULIC DOCK LEVELERS



Your total solution.

The Rite-Hite RHV Vertical Storing Hydraulic Leveler is part of a total integrated solution developed for today's industrial markets, including:

1. Frommelt® dock seals and shelters
2. Frommelt® VHLS Under-leveler Seal
3. Dok-Lok® Vehicle Restraints
4. Dok-Commander® Combination Control Panel
5. Interlocks and interconnects help maintain safety, security and environmental control.

The RHV, part of the Smooth Transition Dok System along with the STR-4000 Dok-Lok Vehicle Restraint, gives you the smoothest ride between the facility floor and the trailer bed.



The optional Dok-Commander Combination Control Panel serves as an operational hub for your complete dock system.



The optional Frommelt VHLS Under-leveler Seal provides a tight seal against the pit floor when leveler is in use, helping to control energy loss as well as prevent dust and debris from entering the pit.



Dock Levelers

Smooth transition is created between the loading dock floor and the trailer, minimizing jolts to forklift 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 maintains environmental control and protect product, 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.



Barrier Systems

Discover new cost-effective solutions to help keep your people safe and reduce equipment and product damage.

Count on Rite-Hite to improve safety and efficiency at your facility.

Only Rite-Hite offers you the industry's most experienced, most knowledgeable representatives who can help you gain a competitive edge by integrating our quality Rite-Hite products in your facility. Contact your Rite-Hite representative for expert advice on:

- ▶ Minimizing hazards to improve safety
- ▶ Avoiding costly equipment breakdowns and delays
- ▶ Preventing product damage
- ▶ Cutting energy bills
- ▶ Extending equipment service life
- ▶ Saving on maintenance

**RITE-HITE
DOORS**

RITE-HITE®

Rite-Hite Corporation

8900 North Arbon Drive Milwaukee, WI 53223 USA (414) 355-2600 (800) 456-0600 FAX: (414) 355-9248
Mailing Address: Rite-Hite Corporation P.O. Box 245020 Milwaukee, WI 53224 USA

www.ritehite.com

 **Frommelt®**



Hydraulic Dock Leveler

Push Button operation

Push button activation provides the dock attendant control for easy and safe operation.

Hydraulic reliability

Hydraulic positioning of both platform and lip ensures high reliability and low maintenance.

Platform construction

8" beam spacing provides flexibility to accommodate a variety of material handling equipment; ideal for 3-wheel fork truck traffic.

Rear hinge support

Four vertical supports provide added structural integrity.

Quick-clean sub frame

Subframe allows for quick, easy pit clean-out.

Maintenance strut

Integral maintenance strut supports the platform and lip for easy service access.

Meets ANSI MH30.1-2000 test-load specifications.



Smoothest transition in the industry.



From the rear hinge to the front hinge - featuring a consistent, reliable lip crown – Genisys dock levelers provide the smoothest transitions between dock, leveler and trailer to help prevent injuries, and minimize forklift and product damage.



RITE-HITE®

SPECIFICATIONS

Hydraulic Dock Leveler

NOMINAL DIMENSIONS:

WIDTH	LENGTH
6' (1830 mm)	6' (1830 mm)
6' (1830 mm)	8' (2440 mm)
6' (1830 mm)	10' (3050 mm)
7' (2110 mm)	6' (1830 mm)
7' (2110 mm)	8' (2440 mm)
7' (2110 mm)	10' (3050 mm)

OPERATION:

The platform is raised when the dock attendant pushes and holds the button on the control box. The platform will fully rise and the lip will then automatically extend. Releasing the push button will cause the leveler platform and lip to lower to the truck bed. Nominal operating range is 12" above and 12" below dock level (+/- 300 mm). The standard 16" (400 mm) lip extends 11" (280 mm) beyond the standard 4" (100 mm) bumper. The platform is designed to compensate for canted truck beds up to 4" (100 mm) and remain flush with the rear of the pit to eliminate pinch points. The lip is yieldable.

STANDARD FEATURES:

- All models are available in historical 30K, 35K, 40K and 50K capacities. Please consult Rite-Hite for ANSI MH30.1 Test Load Equivalents.
- Structural steel working range toe guards are integral to the leveler construction. Full range toe guards provide protection throughout the operating range.
- Permanent night locks are standard in order to help protect against unauthorized entry beneath locked overhead doors.
- Entire dock leveler is protected with a gray enamel paint finish.
- A non-adjustable hydraulic velocity fuse provides emergency free fall protection throughout the entire operating range of the leveler.
- An integral maintenance strut is provided on every leveler to support the lip and deck during service.

HYDRAULICS:

The platform is raised by a 2.5" hydraulic cylinder. The lip is extended by a 1-1/2" ID cylinder. The hydraulic pump, manifold and oil reservoir are contained in an integral assembly. Both lip and platform cylinders are solid rod displacement type.

ELECTRICAL:

The 3/4 HP motor is rated at 115/230V, single phase.

208/230/460/575V, three phase, 60 Hz are available as an option.

380/415V, three phase, 50 Hz are available as an option.

WARRANTY:

Rite-Hite warrants all components to be free of defects in material and workmanship, under normal use, for a one-year period from date of shipment in accordance with Rite-Hite's Standard Warranty Policy. The "Base Warranty Period" will begin on the completion of installation or the sixtieth (60th) day after shipment, whichever is earlier. Extended structural warranty available upon approved submittal of application.

AVAILABLE OPTIONS:

- ☐ 18" (460 mm) Lip
- ☐ 20" (500 mm) Lip
- ☐ Automatic Return to Dock
- ☐ Infinite Lip Control
- ☐ PT2 (Plytex) Weatherseal
- ☐ NB1 (Nylon Brush) Weatherseal
- ☐ Stump-Out Solution
- ☐ Dok Box
- ☐ Integral Box
- ☐ Alternate Bumpers _____
- ☐ Other _____
- ☐ Vehicle Restraint Model _____

PROJECT INFORMATION

JOB NAME _____

ADDRESS _____

GENERAL CONTRACTOR _____

DISTRIBUTOR _____

MODEL _____

QTY. _____

CAPACITY ☐ 30K ☐ 35K ☐ 40K ☐ 50K

CERTIFIED FOR CONSTRUCTION

BY _____

DATE _____

COMPANY _____

ADDRESS _____

Ask your Rite-Hite Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK® vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315; 4,570,277; 4,605,353; 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,111,546; 5,212,846; 5,297,921; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,553,987; 5,582,498; 5,664,930; 5,702,223; 5,762,459; 5,882,167; 5,964,572; 6,010,297; 6,065,172; 6,070,283; 6,074,157; 6,085,375; 6,092,970; 6,106,212; 6,116,839; 6,190,109. Other U.S. and foreign patents pending.

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RITE-HITE® reserves the right to make product improvements without prior notice.



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8900 N. Arbon Drive, Milwaukee, WI 53223-2472
P.O. Box 245020, Milwaukee, WI 53224-9520
1-800-456-0600 or 1-414-355-2600
www.ritehite.com

RITE-HITE®



Air-Powered Dock Leveler

Advanced low-pressure lifting system

State-of-the-art cylindrical air tower is puncture and wear resistant for longest life. Exclusive forward mounting provides optimum lifting efficiency.

Low maintenance

Lifting system requires no scheduled maintenance. Lip mechanism requires no adjustment.

Pit cleaning capability

Air tower and support easily moved for cleanout and washdown with no special tools required. Subframe allows for easy cleaning.

High reliability components

Simple design with few moving parts.

Platform construction

8" beam spacing provides flexibility to accommodate a variety of material handling equipment; ideal for 3-wheel fork truck traffic.

Rear hinge support

Four vertical supports provide added structural integrity.

Maintenance strut

Integral maintenance strut supports the platform and lip for easy service access.

Meets ANSI MH30.1-2000 test-load specifications.



Smoothest transition in the industry.



From the rear hinge to the front hinge - featuring a consistent, reliable lip crown - Genisys dock levelers provide the smoothest transitions between dock, leveler and trailer to help prevent injuries, and minimize forklift and product damage.



RITE-HITE®

SPECIFICATIONS

Air-Powered Dock Leveler

NOMINAL DIMENSIONS:

WIDTH	LENGTH
6' (1830 mm)	6' (1830 mm)
6' (1830 mm)	8' (2440 mm)
6' (1830 mm)	10' (3050 mm)
7' (2110 mm)	6' (1830 mm)
7' (2110 mm)	8' (2440 mm)
7' (2110 mm)	10' (3050 mm)

OPERATION:

The platform is raised when the dock attendant pushes and holds the button on the control box. The platform will fully rise and the lip will then automatically extend. Releasing the push button will cause the leveler platform and lip to lower to the truck bed. Nominal operating range is 12" above and 12" below dock level (+/- 300 mm). The standard 16" (400 mm) lip extends 11" (280 mm) beyond the standard 4" (100 mm) bumper. The platform is designed to compensate for canted truck beds up to 4" (100 mm) and remain flush with the rear of the pit to eliminate pinch points. The lip is yieldable.

STANDARD FEATURES:

- All models are available in historical 30K, 35K, 40K and 50K capacities. Please consult Rite-Hite for ANSI MH30.1 Test Load Equivalents.
- Structural steel working range toe guards are integral to the leveler construction. Full range toe guards provide protection throughout the operating range.
- Permanent night locks are standard in order to help protect against unauthorized entry beneath locked overhead doors.
- Entire dock leveler is protected with a gray enamel paint finish.
- Structural safety stops are provided to stop the leveler platform just below dock level in the event of unexpected trailer departure.
- An integral maintenance strut is provided on every leveler to support the lip and deck during service.

ELECTRICAL:

The enclosed motor is rated at 115V, 60 Hz, single phase. All operator controls are mounted in a gasketed, NEMA 12 enclosure. All electrical components, connections and wiring are UL listed or recognized. Please note: Unless specifically noted on the quotation, all electrical including hook-up is the responsibility of others.

230V, single phase, 50 Hz is available as an option.

Phase/Voltage Distance in Feet Between Leveler Control Box and Power Source (Circuit Breaker)

	0-100	101-200	200+
Single Phase 115 Volts	10 Ga. Wire	8 Ga. Wire	6 Ga. Wire

WARRANTY:

Rite-Hite warrants all components to be free of defects in material and workmanship, under normal use, for a one-year period from date of shipment in accordance with Rite-Hite's Standard Warranty Policy. The "Base Warranty Period" will begin on the completion of installation or the sixtieth (60th) day after shipment, whichever is earlier. Extended structural warranty available upon approved submittal of application.

AVAILABLE OPTIONS:

- ☐ 18" (460 mm) Lip
- ☐ 20" (500 mm) Lip
- ☐ PT2 (Plytex) Weatherseal
- ☐ NB1 (Nylon Brush) Weatherseal
- ☐ Stump-Out Solution
- ☐ Dok Box
- ☐ Integral Box
- ☐ Alternate Bumpers _____
- ☐ Other _____
- ☐ Vehicle Restraint Model _____

PROJECT INFORMATION

JOB NAME _____
ADDRESS _____
GENERAL CONTRACTOR _____
DISTRIBUTOR _____
MODEL _____ QTY. _____
CAPACITY ☐ 30K ☐ 35K ☐ 40K ☐ 50K

CERTIFIED FOR CONSTRUCTION

BY _____
DATE _____
COMPANY _____
ADDRESS _____

Ask your Rite-Hite Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK® vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315; 4,570,277; 4,605,353; 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,111,546; 5,212,846; 5,297,921; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,553,987; 5,582,498; 5,664,930; 5,702,223; 5,762,459; 5,882,167; 5,964,572; 6,010,297; 6,065,172; 6,070,283; 6,074,157; 6,085,375; 6,092,970; 6,106,212; 6,116,839; 6,190,109. Other U.S. and foreign patents pending.

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www.ritehite.com

RITE-HITE®



Mechanical Dock Leveler

Simple operation

Unique counterbalance system ensures smooth, consistent walk-down.

Heavy-duty ramp control

Superior design provides consistent operation and low maintenance.

Lip assist

Provides safe, positive lip extension for placement onto the trailer bed.

Structural safety stops

System helps protect against uncontrolled free-fall.

Platform construction

8" beam spacing provides flexibility to accommodate a variety of material handling equipment; ideal for 3-wheel fork truck traffic.

Rear hinge support

Four vertical supports provide added structural integrity.

Quick-clean sub frame

Sub-frame allows for quick, easy pit clean-out.

Maintenance strut

Integral maintenance strut supports the platform and lip for easy service access.

Meets ANSI MH30.1-2000 test-load specifications.



Smoothest transition in the industry.



From the rear hinge to the front hinge - featuring a consistent, reliable lip crown - Genisys dock levelers provide the smoothest transitions between dock, leveler and trailer to help prevent injuries, and minimize forklift and product damage.



RITE-HITE®

SPECIFICATIONS

Mechanical Dock Leveler

NOMINAL DIMENSIONS:

WIDTH	LENGTH
6' (1830 mm)	6' (1830 mm)
6' (1830 mm)	8' (2440 mm)
6' (1830 mm)	10' (3050 mm)
7' (2110 mm)	6' (1830 mm)
7' (2110 mm)	8' (2440 mm)
7' (2110 mm)	10' (3050 mm)

OPERATION:

The platform to be operated by pulling the release ring at the rear of the ramp. The unit will raise and the lip will extend. Operator to walk ramp down to truck bed. Hold down shall hold unit in the working position. Unit will float with truck movement. Nominal operating range is 12" above and 12" below dock level (+/- 300 mm). The standard 16" (400 mm) lip extends 11" (280 mm) beyond the standard 4" (100 mm) bumper. The platform is designed to compensate for canted truck beds up to 4" (100 mm) and remain flush with the rear of the pit to eliminate pinch points. The lip is yieldable.

STANDARD FEATURES:

- All models are available in historical 30K, 35K, 40K and 50K capacities. Please consult Rite-Hite for ANSI MH30.1 Test Load Equivalents.
- Structural steel working range toe guards are integral to the leveler construction.
- Permanent night locks are standard in order to help protect against unauthorized entry beneath locked overhead doors.
- Entire dock leveler is protected with a gray enamel paint finish.
- Structural safety stops are provided to stop the leveler platform just below dock level in the event of unexpected trailer departure.
- An integral maintenance strut is provided on every leveler to support the lip and deck during service.

WARRANTY:

Rite-Hite warrants all components to be free of defects in material and workmanship, under normal use, for a one year period from date of shipment in accordance with Rite-Hite's Standard Warranty Policy. The "Base Warranty Period" will begin on the completion of installation or the sixtieth (60th) day after shipment, whichever is earlier. Extended structural warranty available upon approved submittal of application.

AVAILABLE OPTIONS:

- ☐ 18" (460 mm) Lip
- ☐ 20" (500 mm) Lip
- ☐ Full Range Toeguards
- ☐ PT2 (Plytex) Weatherseal
- ☐ NB1 (Nylon Brush) Weatherseal
- ☐ Stump-Out Solution
- ☐ Dok Box
- ☐ Integral Box
- ☐ Alternate Bumpers _____
- ☐ Other _____
- ☐ Vehicle Restraint Model _____

PROJECT INFORMATION

JOB NAME _____

ADDRESS _____

GENERAL CONTRACTOR _____

DISTRIBUTOR _____

MODEL _____

QTY. _____

CAPACITY ☐ 30K ☐ 35K ☐ 40K ☐ 50K

CERTIFIED FOR CONSTRUCTION

BY _____

DATE _____

COMPANY _____

ADDRESS _____

Ask your Rite-Hite Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK® vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315; 4,570,277; 4,605,353; 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,111,546; 5,212,846; 5,297,921; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,553,987; 5,582,498; 5,664,930; 5,702,223; 5,762,459; 5,882,167; 5,964,572; 6,010,297; 6,065,172; 6,070,283; 6,074,157; 6,085,375; 6,092,970; 6,106,212; 6,116,839; 6,190,109. Other U.S. and foreign patents pending.

RITE-HITE® and DOK-LOK® are registered trademarks of the RITE-HITE Corporation. SAFE-T-STRUT™ and WHEEL-LOK® are trademarks of RITE-HITE Corporation.

RITE-HITE® reserves the right to make product improvements without prior notice.



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P.O. Box 245020, Milwaukee, WI 53224-9520
1-800-456-0600 or 1-414-355-2600
www.ritehite.com

RITE-HITE®

LEVEL-RITE™ HL SERIES

Hydraulic Dock Leveler

by Rite-Hite



- **SIMPLE OPERATION**
Push button activation provides the dock attendant full control over all functions for easy and safe operation.
- **HYDRAULIC RELIABILITY**
Both platform and lip are positioned by utilizing simple hydraulics for low maintenance.
- **AUTOMATIC FREE-FALL PROTECTION**
Hydraulic velocity fuse provides reliable free-fall protection throughout the entire operating range of the dock leveler while eliminating the concern of safety leg interference or “stump-out”.
- **REINFORCED BOX CONSTRUCTION**
Rugged four-sided box construction with steel toeguards for added structural integrity.
- **SECURITY NIGHT LOCK**
Provides a level of security against unauthorized building entry.
- **MAINTENANCE STRUT**
Swing-up maintenance strut holds platform and lip in place when leveler is raised to its highest position for easy and safe service.
- **FULL RANGE TOEGUARDS**
Side toeguard protection throughout the full operating range of the leveler.
- **EASY CLEAN STYLE SUBFRAME**
Simple subframe design allows for quick and easy pit clean out.

LEVEL-RITE™ HL SERIES Hydraulic Dock Leveler

SPECIFICATIONS

NOMINAL DIMENSIONS:

MODEL	LENGTH	WIDTH
HL 866	6'	6'
HL 886	8'	6'
HL 887	8'	7'

OPERATION:

Level-Rite HL hydraulic leveler shall be supplied completely assembled with platform, lip and power unit. Platform and lip to be operated by independent hydraulic cylinders controlled by a remote push button station. To operate leveler, dock attendant presses raise button, leveler rises and lip extends hydraulically. When button is released, leveler descends under gravity to trailer bed and floats with trailer movement. To restore leveler, dock attendant presses raise button and lip retracts. Standard below dock level operation allows for below dock end loading with push button control. Leveler to have 12" above and 12" below dock working range. Leveler platform is designed to compensate for canted truck beds up to 4".

STANDARD FEATURES:

- Available capacities are 30,000 lbs., 35,000 lbs., and 40,000 lbs.
- 16" lip.
- Two 4" thick molded bumpers supplied with each unit.
- Permanent night lock to deter unauthorized entry into facility.
- Entire leveler is protected with a gray enamel paint finish.

ADDED SAFETY FEATURES:

- In addition to 3/16" thick working range toeguards, full operating range telescoping toeguards are included for even greater safety.
- Fixed rear hinges are utilized to prohibit a rear pinch point.
- A permanently mounted hinged maintenance strut is provided on every leveler in order to support the lip and deck during service.
- A non-adjustable hydraulic velocity fuse provides emergency free-fall protection throughout the entire operating range of the leveler.

HYDRAULICS:

The platform is raised by a 2" solid rod hydraulic cylinder. The lip is extended by a 1-1/2" ID cylinder. The hydraulic pump, manifold and oil reservoir are contained in an integral assembly. Both lip and platform cylinders are solid rod displacement type.

ELECTRICAL:

The totally enclosed motor is rated at 120V 60 Hz, single phase. All operator controls are mounted in a gasketed, NEMA 12 enclosure. All electrical components, connections and wiring are UL listed or recognized. **Please Note: Unless specifically noted on quotation, all electrical hook-up is the responsibility of others.**

WARRANTY:

Level-Rite warrants all components to be free of defects in material and workmanship, under normal use, for a one year period. The warranty period will begin at the completion of installation or on the thirtieth (30th) day after shipment, whichever is earlier.

AVAILABLE OPTIONS:

18" Lip

20" Lip

Weatherseals

Dok-Box™:

This self-forming pit kit, utilizing the unique Quick-Hook™ fastening system allows for a clean, square pit to be formed at a reduced cost over traditional pit forming methods.

Integral "Pour-In-Place" Box:

Dock leveler supplied with integral pre-formed box for pour-in-place construction.

Single Phase, 240V

Three Phase, 240V or 480V

Alternate Bumpers _____

Other _____

Vehicle Restraint Model _____

PROJECT INFORMATION

JOB NAME _____

ADDRESS _____

GENERAL CONTRACTOR _____

DISTRIBUTOR _____

MODEL _____

QTY. _____

CAPACITY (CIRCLE ONE) 30,000 35,000 40,000

CERTIFIED FOR CONSTRUCTION

BY _____

DATE _____

COMPANY _____

ADDRESS _____

NOTE: Manufacturer reserves the right to change product or specification without prior notice.

Rite-Hite Corporation • P.O. Box 245020 • Milwaukee, WI 53224-9520 • 1-800-456-0600

www.level-rite.com

LR8HLEVSS101B



Mechanical Dock Leveler

Simple operation

Unique counterbalance system ensures smooth, consistent walk-down.

Heavy-duty ramp control

Superior design provides consistent operation and low maintenance.

Lip assist

Provides safe, positive lip extension for placement onto the trailer bed.

Structural safety stops

System helps protect against uncontrolled free-fall.

Platform construction

8" beam spacing provides flexibility to accommodate a variety of material handling equipment; ideal for 3-wheel fork truck traffic.

Rear hinge support

Four vertical supports provide added structural integrity.

Quick-clean sub frame

Sub-frame allows for quick, easy pit clean-out.

Maintenance strut

Integral maintenance strut supports the platform and lip for easy service access.

Meets ANSI MH30.1-2000 test-load specifications.



Smoothest transition in the industry.



From the rear hinge to the front hinge - featuring a consistent, reliable lip crown - Genisys dock levelers provide the smoothest transitions between dock, leveler and trailer to help prevent injuries, and minimize forklift and product damage.



RITE-HITE®

HJ-3200 JUMBO™ Full Access Dock Leveler

Increased productivity

Unique design eliminates pit wall and bumper obstructions for efficient below-dock service.

Full-width trailer access

8'6" wide platform deck serves wider trucks with lower beds and full-width loads.

Simple design

Single platform and lifting cylinder provide reliability and safety.

Vacant dock drop-off protection

Automatically positioned SAFE-T-LIP® barrier helps prevent forklift falls from an open dock.

Integral Floating Steel-Faced bumpers

Mechanically operated to minimize maintenance and interference with loading/unloading.

Infinite lip control

Allows operator to extend lip or stop platform at any time.

Advanced hydraulic system

Velocity fuse safety stop provides automatic free-fall protection and full range leveler float.

SAFE-T-STRUT™ maintenance support system

Unique, through-the-lip design keeps strut in place, even when leveler is raised to its highest position or is impacted by a forklift. Provides lockout capability.



HJ 2200 shown

Get the ultimate in full-width dock leveler safety and performance.



Rugged steel Safe-T-Lip® barrier helps prevent drop-off accidents.

Today's docks call for wider, taller door openings and longer, wider dock levelers. The JUMBO™ hydraulic dock leveler makes it easy to service wider trucks with lower bed heights and full-width loads. With an 8'6" wide, one-piece platform, forklifts can handle every load, without obstruction. Increase your productivity with the JUMBO leveler's ability to service the entire width of the trailer. Ask your Rite-Hite Representative for more information about the HJ-3200 JUMBO leveler.

RITE·HITE®

SPECIFICATIONS

JUMBO™ LEVELER (HJ-3200)

NOMINAL DIMENSIONS:

Model	Length	Width
HJ 3288.5 / 2288.5	8'	8' 6"
HJ 32108.5 / 22108.5	10'	8' 6"
HJ 32128.5 / 22128.5(L only)	12'	8' 6"

CAPACITY:

To be determined by customer need and RITE-HITE® Dock Leveler Investment Guide.

Standard HJ-3200/2200 JUMBO™ capacities: F, L. The 12' long leveler is only available in L capacity. Consult your RITE-HITE® Representative for details.

10-YEAR MONEY BACK STRUCTURAL WARRANTY:

RITE-HITE® shall provide a written 10-year money back warranty based on the Dock Leveler Investment Guide.

This warranty will be provided on manufacturer's published form and will include the following components and parts: slider lip assembly, front hinge assembly, front hinge pins, platform assembly, rear hinges and hinge pins, working range toeguards, main lifting cylinder, lip cylinder, hydraulic hoses and fittings, safety stop fuse, subframe assembly, hydraulic pump and motor and endload legs. All parts not included will be covered by a standard five-year parts, one-year labor warranty.

12-MONTH MONEY BACK SATISFACTION GUARANTEE:

In addition to all other warranties, RITE-HITE® will provide a written guarantee that the equipment will perform in a manner satisfactory to the Owner for a period of 12 months after date of installation. If the Owner is not satisfied with the performance of the equipment, the Owner may notify RITE-HITE® and RITE-HITE® shall remove the equipment and refund the equipment purchase price to the Owner. All warranties are subject to standard limitations on liability. Consult your RITE-HITE® Representative for details.

OPERATION:

The platform is raised when the dock attendant pushes and holds the "Raise" button on the control box. After the lip clears the trailer floor, pushing and holding the "Lip Extend" button while continuing to hold the "Raise" button will extend the lip. Releasing the push buttons will allow the leveler platform and lip to lower to the truck bed, above and below dock height, without requiring manual chain pulling.

The leveler allows endloading near dock level and below. The entire leveler lip remains at or below the top of the leveler platform in these situations allowing unobstructed access. No selector switch is required to cancel automatic recycle during below-dock endloading.

Operating range is dependent upon leveler length and capacity. The minimum is 12" above and 12" below dock level. Standard extended service range available on 10' and 12' levelers. The standard 20" lip extends 13 1/2" beyond the integral 5" floating steel faced bumpers.

The platform is designed to compensate for canted truck beds up to 4" and remains flush with the rear of the pit to eliminate pinch points.

SAFETY FEATURES:

An automatically positioned steel impact barrier helps prevent accidental equipment runoff when leveler is not in use. The 7" high barrier will stop a 10,000 lb. load moving at 4 mph. The barrier can be easily positioned out of the way to allow unobstructed endloading at below-dock level. *HJ-3200 only.*

Leveler shall automatically recycle to dock level upon truck departure with SAFE-T-LIP® in position 7" above building floor. This will occur after servicing trucks through full operating range with leveler lip extended and requires no manual operation. No selector switch is required to cancel automatic recycle when servicing trucks below dock height. Units with DOK-LOK® vehicle restraints will include leveler stored interlock. *HJ-3200 only.*

Pushing and holding "Lip Extend" button provides a positive acting momentary pause of leveler and lip. Release to continue operation.

A non-adjustable, hydraulic velocity fuse limits platform free-fall to 3".

STANDARD FEATURES:

Full range, telescoping toeguards close off sides when leveler is in highest upward position. The 12" structural toeguard is 3/16" steel and is welded to the platform.

20" long lip is standard.

Lip keepers are provided for cross traffic support and act as automatic night locks.

Integral SAFE-T-STRUT™ maintenance support system provides visual warning by extending through the leveler lip. System remains in place if the platform is accidentally raised to its highest operating position or is impacted from the side or rear by a fork truck. System provides lock-out, tag-out capability.

Easily replaced weatherseals consist of a steel channel section welded to leveler and an independent flexible section which slides into the channel.

Entire leveler unit has gray enamel paint.

The lip hinge is equipped with grease fittings for ease of maintenance.

HYDRAULICS:

The platform is raised by a 4" ID hydraulic cylinder with a 2" solid guide rod mounted to the leveler frame. The lip is extended by a 2-1/2" ID cylinder. The hydraulic pump, manifold, and oil reservoir are contained in an integral assembly. Hoses are routed under the leveler platform, away from debris.

ELECTRICAL:

The totally enclosed, non-ventilated motor is rated at 208/240 or 440/480V, 60Hz, 3 phase, 1 Hp. All operator controls are mounted in a gasketed, NEMA 12 enclosure. All electrical components, connections and wiring are UL listed or recognized.

Please Note: Unless specifically noted on quotation, all electrical including hook-up is the responsibility of others.

LOADING DOCK BUMPERS:

Two 4" thick FLOATING STEEL-FACED bumpers are integrally mounted to the leveler platform. L capacity levelers include 6" thick bumpers as standard.

DOK-LOK® AND WHEEL-LOK™ VEHICLE RESTRAINT SAFETY SYSTEMS:

The HJ-3200 JUMBO™ dock leveler can be equipped with RHR-1000, RHR-600, VBR-500 or VBR-300 DOK-LOK® vehicle restraints, or GWL-2300 WHEEL-LOK™ restraint to help prevent unexpected trailer separation from the loading dock.

Ask your Rite-Hite Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, JUMBO™ Leveler, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,110,860; 4,257,137; 4,286,410; 4,364,137; 4,373,847; 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315; 4,570,277; 4,605,353; 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,111,546; 5,212,846; 5,271,183; 5,297,921; 5,299,386; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,664,930; 5,702,223; 5,762,459; 5,882,167; 5,964,572. Other U.S. and foreign patents pending.

RITE-HITE®, DOK-LOK® and SAFE-T-LIP® are registered trademarks of the RITE-HITE Corporation. SAFE-T-STRUT™ and JUMBO™ are trademarks of RITE-HITE Corporation. RITE-HITE reserves the right to make product improvements without prior notice.



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1-800-456-0600 or 414-355-2600

RITE-HITE®

DUAL-DOK® 2000 Combined Lift/Leveler System

Push-button control changes leveler to lift

Full-time productivity

Single dock position handles lift and leveler jobs.

Saves valuable dock space

Allows travel between building and grade level without a ramp.

High-productivity dock leveler

Total length over 13', with service range from 12" above to 20" below dock. Safe working range is expanded because of reduced grade.

Versatile lift

Travels between dock height and ground level. Lets you eliminate the part-time dock position of a scissors lift. Push-button lip extension replaces unsafe manual handling.

LED Message Center

Provides continuous communication to user on operating status.



Complete flexibility at a single dock position.



Dual-Dok 2000
as a lift.



Dual-Dok 2000
as a leveler.



User friendly controls. Simple push-buttons make operation easy, from either the dock or ground level. Easy to read Message Center on the control box provides continuous information about the system's operating status. Includes on-screen diagnostic display for fast troubleshooting. Side-mounted reset button reduces need for personnel to open control box.

RITE-HITE®
CORPORATION

SPECIFICATIONS

DUAL-DOK® 2000

NOMINAL DIMENSIONS:

Model Number	Size W x L	Capacity Lift/Leveler
DD2086.5	6'6" x 8'	10,000/E
DD20106.5	6'6" x 10'	16,000/E
DD20126.5	6'6" x 12'	16,000/E
Standard Model		

10-YEAR STRUCTURAL WARRANTY:

RITE-HITE® shall provide a written 10-year warranty based on the Dock Leveler Investment Guide and the following criteria.

Gross weight of fork lift and load shall not exceed _____ lbs.
User's operation shall not exceed _____ full truckloads per 24-hour period over any one dock position.
Lift truck speed shall not be more than 5 mph and leveler grade shall be no more than 7%.

This warranty will be provided on manufacturer's published form and will include the following components and parts: lip assembly, lip hinge pins, deck assembly, scissors framework, unit frame, reservoir tank, working range toeguards, platform cylinder, lip cylinder, velocity fuse, all hydraulic hoses and fittings, electric motor, valve block, rear hinge and hinge pins, rear hinge pin extend cylinder and remote control hanger bracket. All parts not included will be covered by a one-year parts and labor warranty. Consult your RITE-HITE® representative for details.

12-MONTH MONEY BACK CUSTOMER SATISFACTION WARRANTY:

In addition to all other warranties, RITE-HITE® will provide a written warranty that the equipment will perform in a manner satisfactory to the Owner for a period of 12 months after date of installation. If the Owner is not satisfied with the performance of the equipment, the Owner may notify RITE-HITE® and RITE-HITE® shall remove the equipment and refund the equipment purchase price to the Owner. All warranties are subject to standard limitations on liability. Consult your RITE-HITE® representative for details.

OPERATION:

Fully Electro-Hydraulic. Operating mode is changed by pushing lift or leveler control buttons, requiring no selector switch. Operator actions and operating mode are displayed on the message center. Pushing "Reset" button on side of control box to enter manual mode and restore machine operation after a fault detection reduces need to open control box.

Dock Leveler Mode: Infinite and independent control of leveler and lip is controlled by "Raise" and "Lip Out" buttons. Holding "Lip Out" button alone shall allow positive-acting momentary pause of leveler ramp and lip in any position. Leveler operating range is 12" above dock and 20" below dock. The standard 16" lip extends 11" beyond the standard 4" bumper. Push "Raise" button for one second and release to position leveler for below dock endloading. Repeat to return unit to stored position.

Lift Mode: Level, vertical platform movement is controlled via the

"Up" and "Down" buttons on main control box or hand-held control. Momentarily pushing "Auto-Lip" button allows automatic hydraulic lip extension and retraction. Momentarily pushing "Auto-Lip" button with lip folded cancels "Auto-Lip" mode.

STANDARD FEATURES:

- Operator control panel will provide visual display of operating mode and will allow simple diagnostics of fault conditions.
- Factory installed, easily replaced weatherseal is two-piece system consisting of welded steel sections and flexible brush seal inserts.
- Front of unit will have accordion-style gate with fabric bellows for safety and protection from the environment.
- Unit will have full range, telescoping toeguards to close off sides when leveler is in highest upward position. The 12" operating range toeguard will be 3/16" steel and will be welded to the platform.
- Oil reservoir shall be equipped with a drain plug.
- Lip hinge shall have grease fittings.
- Lift/leveler system has maintenance struts which are engaged from above dock and support the unit for safe servicing.

E CLUSIVE SAFETY FEATURES E UIPMENT:

- Outside safety light must be red to allow DUAL-DOK® 2000 to operate.
- Outside light will not change to green unless unit is stored.
- System performs safety weight check when leveler or Auto-Lip lift operation commences.
- When truck leaves with lip extended in leveler mode, unit shall automatically recycle to a stored position, requiring no manual operation.
- Red safety beacon on control box flashes when unit is below dock in lift or Auto-Lip mode.
- If unit is below dock for more than 15 minutes, alarm sounds. Pushing "Up" or "Down" button turns off alarm and resets timer.
- In Auto-Lip mode with lip extended, lip shall fold immediately if not on truck bed.
- Velocity safety fuse limits free-fall of unit in leveler mode to maximum of 3" and prevents free-fall of unit in lift mode in case of hydraulic component failure.
- Guardrite® protective railings are included and enclose all three sides of unit on inside of building. The two sides are fixed and the end is hinged for easy access.
- Optional Manual Safe-T-Gate™ or Automatic Vertical Safe-T-Gate™ is available in lieu of hinged Guardrite® at end. (Guardrite® and Safe-T-Gate™ systems are capable of stopping a 10,000 lb. load moving at 4 mph.)

ELECTRICAL:

The unit is controlled electrically via a programmable controller. The power requirement is 240/480 volt 3 phase. The unit has a single 7.5 horsepower motor, and a 5 gallon per minute pump. Maximum system pressure in leveler mode is 1,000 PSI. Maximum system pressure in lift mode is 3,000 PSI. All operator controls are mounted in a gasketed NEMA 12 enclosure.

Ask your Rite-Hite Representative for details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,110,860; 4,146,888; 4,191,503; 4,208,161 (RE 33,242); 4,257,137; 4,264,259; 4,267,748; 4,282,621; 4,286,410; 4,364,137; 4,373,847; 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315 (RE 32,968); 4,570,277; 4,605,353 (RE 33,154); 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,047,748; 5,111,546; 5,168,267; 5,212,846; 5,271,183; 5,297,921; 5,299,386; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,546,623. The Safe-T-Gate™ system is covered by one or both U.S. patents: 5,271,183 and 5,299,386. Other U.S. and foreign patents pending.

RITE-HITE®, DUAL-DOK® and GUARDRITE® are registered trademarks of the RITE-HITE Corporation. RITE-HITE® reserves the right to make product improvements without prior notice.

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P.O. Box 23043, Milwaukee, WI 53223-0043
414-355-2600 1-800-456-0600 Fax: (414) 355-9248
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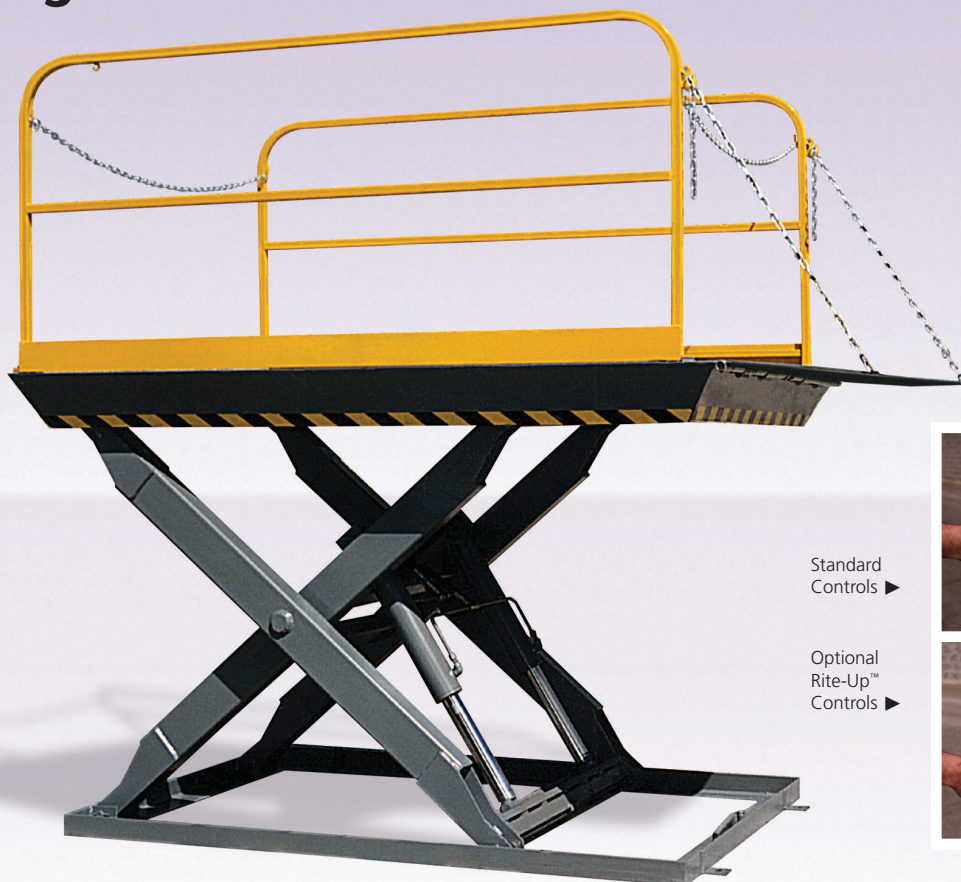
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RITE·HITE®

LEVEL-RITE™ LRL SERIES

Elevating Dock Lift

by Rite-Hite



Standard Controls ▶



Optional Rite-Up™ Controls ▶



- **SIMPLE OPERATION**
Push button activation provides the dock attendant full control over all functions for easy and safe operation.
- **LOADING/UNLOADING VERSATILITY**
Heavy duty, twin cylinder hydraulic lift makes it possible to safely and efficiently service all standard trailer heights.
- **SUPERIOR STABILITY**
High tensile structural tube scissor legs with extra wide stance base frame provide unit integrity and allow increased side-loading capability.
- **ENHANCED PRODUCTIVITY**
Optional Rite-Up™ dual speed control allows unloaded platform to be raised at increased speed.
- **IMPROVED EMPLOYEE SAFETY**
Features include constant pressure push-button controls; standard safety handrail on two sides; 8" tapered toe guards on all sides; optional electric trip bars on platform edge to stop descent in the event of an obstruction; and integral hinged maintenance stop.
- **HIGH RELIABILITY**
Maintenance free, lifetime lubricated bearings.
- **EASY INSTALLATION**
Unit ships factory complete, for fast and economical installation.
- **5-YEAR STRUCTURAL WARRANTY**
Ask your Level-Rite or Rite-Hite Representative for details.

LEVEL-RITE™ LRL SERIES *Elevating Dock Lift*

SPECIFICATIONS

PLATFORM DIMENSIONS:

MODEL	LENGTH	WIDTH
LRL9672	96" (2440mm)	72" (1830mm)
LRL9684	96" (2440mm)	84" (2135mm)
LRL9696	96" (2440mm)	96" (2440mm)
LRL12072	120" (3050mm)	72" (1830mm)
LRL12084	120" (3050mm)	84" (2135mm)
LRL12096	120" (3050mm)	96" (2440mm)

All Models:

- Lowered Height: 10" (255mm)
- Raised Height: 68" (1725mm)
- Travel: 58" (1475mm)

CAPACITIES/SPEEDS (approximate):

Standard Controls:

- Up Capacity: 6000 lbs. (2727kg)
- Down Capacity: 6000 lbs. (2727kg)
- Up Speed: 12 fpm (3.7mpm), 34 sec. for 58" (1475mm) travel
- Lowering Speed: 15 fpm (4.6mpm), 19 sec. for 58" (1475mm) travel (factory adjusted)
- Motor: 5 h.p.

Optional Rite-Up™ Controls:

- Up Capacity: 2500 lbs. (1135kg)
- Down Capacity: 6000 lbs. (2727kg)
- Up Speed: 15 fpm (4.6mpm) 19 sec. for 58" (1475mm) travel
- Lowering Speed: 15 fpm (4.6mpm), 19 sec. for 58" (1475mm) travel (factory adjusted)
- Motor: 3 h.p.

Capacity based on evenly distributed loads. Single axle load capacity 75% over ends and 50% over sides.

For additional capacities and sizes, consult factory.

CONSTRUCTION:

- High tensile structural tube scissor legs provide superior stability, increased side loading capability and improved bearing life
- Steel checker plate deck and lips
- Maintenance-free "DU" type Teflon bushings
- Ground and chromed pins (100,000 psi / 690 MPa yield)
- Hydraulic cylinder pivot points mounted on cylinder centerline for prolonged seal and bearing life
- Yoked rollers and fixed end pins. Platform retained to rolling end
- Unit has grey enamel finish with safety striping on edges
- Approximate shipping weight: 2425 lbs. (1100kg)

ENTRY/EXIT PLATES:

18" (460mm) long x unit width to max 84" (2135mm) wide split lips with lifting chains.

STANDARD SAFETY FEATURES:

- 42" (1065mm) high bolt-on guard rails with 4" (100mm) safety kick plates on sides
- Safety chains with hooks across each end
- 8" (205mm) tapered toe guards on all sides
- Hydraulic hoses with 4:1 safety factor
- Rigid steel hydraulic tubing from cylinders
- Hydraulic safety velocity fuse to prevent uncontrolled descent in case of hydraulic line failure
- Built-in maintenance stop
- 24v AC voltage controls
- Manufactured to ANSI MH29.1-1994 Safety Requirements for Industrial Scissor Lifts standards

INSTALLATION:

Nominal pit requirements: 10" (255mm) deep x platform width +2" (50mm) wide x platform length +3" (75mm) long.

ELECTRICAL/CONTROLS:

- Remote NEMA 4X/IP65 push button controls, on 12' (3.6m) cord from power pack
- 24 volt control voltage
- CSA, UL approved motor controls
- Remote 480volt/3/60 power pack with 12' (3.6m) hydraulic hose
- NEMA 12 motor control enclosure
- TEFC continuous duty motor includes pressure relief, check flow control and solenoid valves in aluminum manifold; steel reservoir with oil level gauge and drain; reservoir and in-line filters

WARRANTY: Five year structural

AVAILABLE OPTIONS:

- ☐ Safety electric foot protection on platform edge to arrest descent in the event of an obstruction
- ☐ Adjustable up travel limit switch set at 58" (1475mm) (downward adjustment range 6" / 152mm)
- ☐ Power pack wall mount bracket (3 h.p.)
- ☐ Mechanical roll-off stops
- ☐ 7.5 h.p. unit
- ☐ 10 h.p. unit
- ☐ Aluminum lip

PROJECT INFORMATION

JOB NAME

ADDRESS

GENERAL CONTRACTOR

DISTRIBUTOR

MODEL

QTY.

CERTIFIED FOR CONSTRUCTION

BY

DATE

COMPANY

ADDRESS

NOTE: Manufacturer reserves the right to change product or specification without prior notice.

Rite-Hite Corporation • P.O. Box 245020 • Milwaukee, WI 53224-9520 • 1-800-456-0600
www.level-rite.com

LR8LRLSS602A

R H E

Edge-O-Dock™ Dock Leveler

Easy Replacement

Unique rear hinge design allows for the lip-deck section to be unpinned from the faceplate and replaced with any capacity or length.

Leveler Operating Handle

Easy operation and ergonomically effective.

High Strength Steel Alloy

Ramp and Lip.

Standard Molded Bumpers

Mounted to steel box frames extending 16" from dock.

Easily upgradable to Hydraulic Operation

All mechanical units come ready for hydraulic upgrade.

Saves Time and Space

Eliminates need to store, find and move portable plates to correct dock positions.



**Ideal for docks servicing trucks
with minimal height difference,
or where space is a problem.**



Easy operation
and without bending
over dock.

Optional Dok-Lok®
Vehicle Restraint



RITE-HITE®

STEELSAFE® CONSTRUCTION:

All steel construction using high strength low-alloy steel for structural members.

DECK AND LIP:

3/8" to 1/2" thick (depending on capacity) high strength low-alloy steel (55,000 psi minimum tensile strength). Lip is beveled for smooth transition.

PROJECTIONS:

Bumpers: 16"
Ramp: 13" in stored position
Standard Lip: Extends 12" beyond bumpers
14" lip for refrigerated trucks available

BUMPERS:

4" x 12" x 13" molded reinforced rubber, mounted to steel box frame.

OPERATING HANDLE:

Standard 1-5/16" diameter.

HEIGHT DIFFERENTIAL:

Capable of serving trucks 5" above and 5" below dock level.*

AUTOMATIC LIP EXTENSION:

Built into pull-push cycle eliminating any manual positioning.

LIFT ASSIST:

Simple compression spring offers reliability and ease of operation.

GARANTEE:

Guaranteed against defects in workmanship and materials for (1) year from date of sale. We reserve the right to change specifications without notice.

MODELS*:

	66" wide	72" wide	78" wide	84" wide
20,000 lb. Capacity*				
12" Lip Projection	RHE6620	RHE7220	RHE7820	RHE8420
14" Lip Projection	RHE6620L	RHE7220L	RHE7820L	RHE8420L
30,000 lb. Capacity*				
12" Lip Projection	RHE6630	RHE7230	RHE7830	RHE8430
14" Lip Projection	RHE6630L	RHE7230L	RHE7830L	N/A

* Due to the limited length of EOD levelers, its structure is subjected to greater dynamic load than on longer levelers. Capacities are based on ideal operating conditions (i.e. maximum gross load traveling at 3mph on 10% grade or less); if the application exceeds this condition a higher capacity leveler must be selected.

OPTIONS:

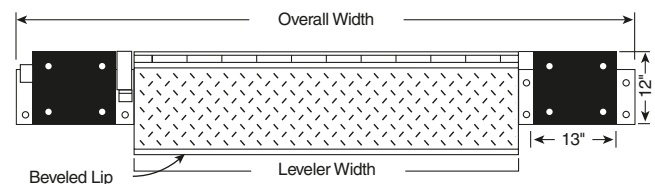
1. **Hydraulic Conversion-** All Edge-O-Dock levelers come with standard mounting brackets for future conversion to hydraulic operation.
2. Built-in telescopic handle.
3. Post Office Model with 2" cart stop.
4. Model for pit installation.
5. Tapered lip.
6. Steel faced bumpers.
7. Grease Fittings.
8. Hot dipped galvanized (six week lead time).

ACCESSORIES:

1. Treaded transition plate (for mounting where sufficient dock edge steel is not present).
2. Approach ramp (to be used in overcoming excessive height differential).
3. Handle storage bracket (pit installations).

OPERATION:

1. Simple push/pull of the lever handle automatically sets board into place, with a minimum of effort, ready for use.
2. Handle is stored for next operation.
3. When truck pulls away, unit returns to stored position with truck in place.



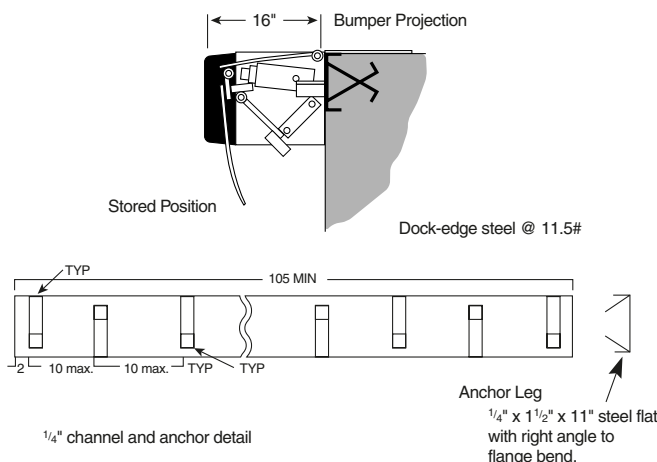
LEVELER WIDTH:

66" wide	102" wide
72" wide	108" wide
78" wide	114" wide
84" wide	120" wide

OVERALL WIDTH:

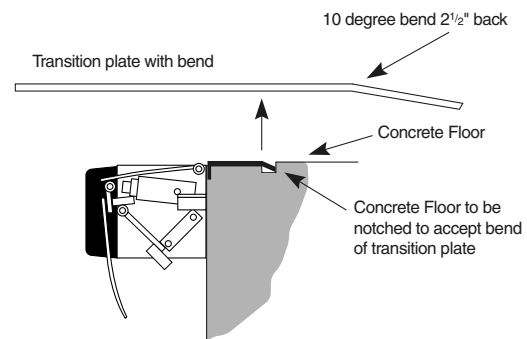
#1 NEW CONSTRUCTION:

Standard installation with poured in place curb channel.



#2 EXISTING CONSTRUCTION:

Transition plate required for existing construction with curb angle or no angle.



#3 PIT INSTALLATION:

Please contact a Rite-Hite Representative for details.

ALPHA DOOR SYSTEMS INC.

RESTRAINTS

ALPHA DOOR SYSTEMS, INC. - OVERHEAD DOOR INSPECTIONS
1401 E. 10th St., Lincoln, Nebraska, USA 68502
CUST: _____ DOOR # _____
MANUFACTURER: _____ DOOR SIZE: _____
LIFT: _____ OPERATOR: _____ HP _____ V _____ P.H. _____
COP' NOOR C' _____
1. _____
2. _____
3. _____
4. CHECK SHAFT FOR LOOSENESS OR SIGNS OF WEAR.
5. TIGHTEN AND INSPECT DOOR HARDWARE.
6. TIGHTEN AND INSPECT GUIDES AND TRACKS.
7. MANUALLY OPERATE DOOR AND CHECK OPERATION.
8. LUBRICATE ROLLERS, BEARINGS, ETC.
9. APPLY DOOR FOR SEAL ON FLOOR.
10. CHECK CONDITION OF WEATHERSTRIP MATERIAL.
11. INSPECT SPRINGS FOR SIGNS OF COLLAPSE.
12. INSPECT AND TIGHTEN CONES, THROUS, COUPLERS.
13. APPLY SERVICE DECAL (NUMBER DOOR 1).
14. CHECK DOOR FACE FOR DAMAGE (OUTSIDE).
15. CHECK DOOR SECTIONS FOR DELAMINATING ETC. (INSIDE).
16. REPLACEMENT PARTS REQUIRED: _____ QTY _____ SIZE _____
MODEL: _____
17. COMMENTS: _____
ELECTRICAL OPERATORS
18. CHECK CONDITION OF ALL BELTS
19. CHECK ALL OPERATOR BEARINGS
20. CHECK ALL SPRINGERS AND CHAINS
21. CHECK MOUNTING BRACKETS TIGHT, WELDED CRACKS
22. INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS
23. CHECK ALL CONTROL DEVICES AND SAFETY FEATURES
24. IS DOOR LOCKED OUT? _____ ALPHA LOCK _____ OTHERS LOCK _____
Legend
Good: Parts have been checked and are currently meeting in a safe and efficient manner.
Fair: Parts have been checked and may require future maintenance.
Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in Item 17.
Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked-out)
Reviewed With Customer: _____ Date: _____
Maintenance dot

STR-4000

with Smooth Transition Technology

The original Dok-Lok

- More installations worldwide than any other restraint.
- Over 25 years of proven performance.

Smooth transition technology

- Hydraulic cylinders help stabilize trailer to prevent trailer drop.
- Ensures smooth transition between loading dock and trailer.
- Reduces jolts to forklift operators.
- Minimizes product damage.
- Reduces repairs on dock levelers, seals, shelters, bumpers and forklifts.

Unique design helps prevent all trailer separations

- Aggressive early departure.
- Trailer creep and dock walk.
- Trailer tipover from landing gear collapse.
- Trailer up-ending.

Proven durability for long life

- Stores above ground away from snow, ice, debris and standing water to ensure reliable communication signals.
- Resists damage by backing trailers.
- Zinc-plated for all-weather performance.
- 5-year guarantee on parts and labor.

Simple design, low maintenance

- Fewer moving parts mean high reliability, high uptime for maximum productivity.
- E-Z-Lube™ axle design makes occasional lubrication quick and simple.

Dok-Lok® Vehicle Restraint



A new category of vehicle restraint provides smooth transition technology

The STR-4000 reduces many of the problems associated with unexpected trailer separations, air-ride suspensions, detached trailers, and vertical and horizontal trailer movement.

So it helps you reduce injuries, increase productivity, minimize equipment damage and save money – across your loading docks. And, when used with a Rite-Hite smooth transition dock leveler, the STR-4000 ensures the ultimate in smooth transition technology and performance.

RITE-HITE®

STR-4000

with Smooth Transition Technology



Consider the facts:

- Approximately 24% of U.S. workplace illness and injuries are back related.*
- Back injuries cost U.S. companies an estimated \$80 billion annually.**
- Nearly 9% of all profit dollars are lost to damaged product.***
- Vertical trailer movement due to an unstabilized trailer can cause serious damage to a dock seal, with replacement costs reaching up to \$2,000.

The STR-4000 is designed to help you:

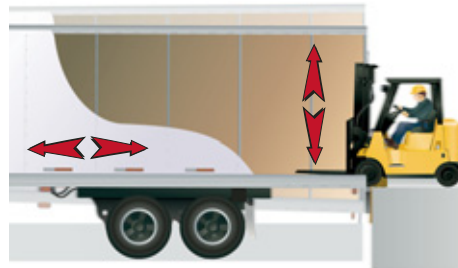
- Improve the safety and comfort of your personnel.
- Keep your product damage to a minimum.
- Extend the life of your loading dock equipment.

Minimize catastrophic and chronic personnel injuries

Each year, catastrophic accidents on the loading dock cost companies millions of dollars. In addition, chronic injuries resulting over time can also be costly.

The STR-4000 is the only restraint available that stabilizes vertical trailer movement to help you:

- Minimize forklift operator fatigue and chronic back and neck injuries from loading or unloading the trailer.
- Reduce expensive catastrophic accidents, and related injuries, costs and lost time.
- Improve personnel comfort – maintain higher loading dock productivity.



Trailer bed height can drop with the weight of a lift truck, which can lead to worker injuries and product and equipment damage. This vertical trailer movement is compounded on trailers equipped with air-ride suspensions.

Reduce the cost of product damage

In any industry, the cost of damaged products or unsaleables is a major expense – and can actually exceed profits.^{***} Most product damage occurs in the material transfer zone – the area from the loading dock drive approach into and across the shipping/receiving area. As a forklift enters a trailer, fragile loads can be damaged due to trailer drop.

By securely stabilizing horizontal and vertical trailer motion, the STR-4000:

- Ensures a smooth transition between the loading dock and the trailer.
- Significantly reduces trailer drop.
- Helps minimize product damage.



Decrease loading dock equipment repair

Constantly driving forklifts over unstabilized, steeply inclined dock levelers accelerates wear on brakes, tires, transmission, steering axle and other components. Dock seals and shelters worn by the constant rubbing of the rising and falling vertical motion of unstabilized trailers are expensive to repair or replace. And dock leveler repairs and replacements resulting from wear and tear can be costly, too.

The STR-4000:

- Minimizes wear and tear on all of your loading dock equipment including:
 - dock levelers
 - seals and shelters
 - bumpers
 - forklifts
 - walkies
- Saves money by avoiding equipment and maintenance costs, providing a rapid return on your investment.



* Source: The Economics of Spinal Disorders, JW Frymoyer, 1991

** Source: National Safety Council Accident Facts 1997 Edition

*** Source: "Unsaleable Products: 2000 Industry Benchmark Report." Released by Food Distributors International, Food Marketing Institute and the Grocery Manufacturers of America.

SPECIFICATIONS

STR-4000

GENERAL DESCRIPTION:

Solid state STR-4000 Dok-Lok® Vehicle Restraint is designed to secure a semi-trailer to a loading dock by engaging the trailer's Rear Impact Guard (RIG) with a large rotating hook. In addition, the restraint vertically supports the trailer, reducing the vertical motion of the trailer. A spring loaded, structural steel housing automatically positions the unit when contacted by a backing truck. The hook mechanism and support function is controlled from a control panel mounted inside the building.

OPERATION:

As the trailer backs into position, the rear impact guard contacts the spring-loaded structural steel housing. The housing rides down in its track, allowing the rear impact guard to move over the top of the housing. The dock attendant then pushes a control button, which activates the hook and support cylinders to secure the trailer to the dock. The hook provides a holding force in excess of 32,000 lbs (14,515 kg). The STR-4000 maintains constant contact with the rear impact guard and supports the rear of the trailer to prevent vertical trailer movement during loading/unloading operations. After servicing is completed, the dock attendant releases the hook by pressing a release button at the control panel. In the event a trailer is missing, or has a damaged RIG, the DOK-LOK restraint will communicate a fault condition. An audible alarm alerts the operator that the trailer has not been properly secured by the DOK-LOK restraint. At this time, the operator may override the fault condition and secure the trailer by other means. At all times, the light communication system automatically adjusts to the proper operational mode.

CONSTRUCTION:

The enclosed, welded structural steel housing is constructed of 5/16" (8 mm) and 1/4" (6 mm) steel and is designed to receive the impact of trailers backing into position and to support the trailer. The housing protects all components from damage by weather, dirt and debris. The following components are zinc-plated: track, base plate, housing, hook mounting components and track anchors. The large rotating steel hook has a yellow dichromate finish. Standard vertical load rating 22,500 lbs (10,206 kg).

INSTALLATION:

Low-profile DOK-LOK restraint is mounted to a steel plate that is embedded in the dock face or secured by 10 anchor bolts plus 22" (559 mm) of weld to the pit curb angle. Installation does not require modification to the dock leveler. Mounting force is in excess of 100,000 lbs (45,359 kg).

HYDRAULICS:

The carriage is supported with (2) heavy duty 3.5" (89 mm) ID double acting hydraulic cylinders. The hook is positioned with a 1.25" (32 mm) ID double acting cylinder. The unit can be powered with its own hydraulic power unit or operate using the existing hydraulic leveler power unit. Hoses are guarded with hot dipped galvanized coil sleeves. All fittings are JIC or "O" Ring Flange. Hydraulic fluid is bio-degradable.



Pit mounted



Interior wall mounted



Ask your RITE-HITE® Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,110,860; 4,146,888; 4,191,503; 4,208,161 (RE 33,242); 4,257,137; 4,264,259; 4,267,748; 4,282,621; 4,286,410; 4,364,137; 4,373,847; 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315 (RE 32,968); 4,570,277; 4,605,353 (RE 33,154); 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,047,748; 5,111,546; 5,168,267; 5,212,846; 5,271,183; 5,297,921; 5,299,386; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623. Other U.S. and foreign patents pending.

RITE-HITE®, DOK-LOK® and HYDRACHEK® are registered trademarks of the RITE-HITE Corporation. SAFE-T-STRUT™ is a trademark of RITE-HITE Corporation. RITE-HITE® reserves the right to make product improvements without prior notice.

ELECTRICAL / CONTROLS:

Universal Restraint Controller provides flexibility for customizing sequence of operation to most requirements. All operator controls are mounted in a gasketed control panel. The control panel is fully operational at all times; does not require key activation; contains solid-state components. Hook mechanism, electric motor and limit switches are totally enclosed in structural steel housing. Electrical components and wiring are UL listed or recognized. STR-4000 DOK-LOK restraint requires a power source of 110/115 volt, single phase, 50 Hz, with a 20 Amp service circuit. The Universal Restraint Controller on the STR-4000 also provides a Self-diagnostic Program, which greatly simplifies trouble-shooting by checking all inputs and outputs.

Please note: Unless specifically noted on quotation, all electrical, including hook-up, is the responsibility of others.

COMMUNICATION SYSTEM:

Outside Communication System: Full-time flashing red or green lights with signs instruct the truck driver when it is safe to back in or pull out.

Low profile light box design helps avoid damage from backing trailers.

Inside Communication System: Full-time flashing red or green lights with signs help the dock attendant know when it is safe to perform loading/unloading operations. The inside lights are in the opposing mode to the outside lights.



Audible Alarm: Inside alarm helps warn the dock attendant when a normal rear impact guard has not been properly engaged. Provides a positive signal in addition to the red light.

Audible Alarm Override: A coded pushbutton control allows authorized personnel to override the audible alarm. When the audible alarm is in override, the inside red and green lights continue to flash simultaneously.

Self-diagnostic Trouble-shooting Program: Input and output indicator monitors the system for instant, one person trouble-shooting, which allows fast, easy maintenance.

WARRANTY:

Five-year parts and labor from date of shipment. All warranties are subject to standard limitations on liability.

OPTIONS:

- LED light system
- Interconnect/interlock modules to optimize sequence of operation to specific needs.
- Combination power unit

RHR-1000

DOK-LOK® Vehicle Restraint

The original trailer restraint

More installations worldwide than any other restraint. Backed by Rite-Hite for over 20 years.

Helps control all types of trailer separation

Unique rotating hook design can help prevent aggressive early departure, trailer creep and dock walk, as well as trailer tipover from landing gear collapse or trailer up-ending.

Flexible and reliable

- 9" low-profile housing accommodates widest variety of trailer RIGs.
- Hook reaches over 6" to help maintain engagement in below-dock endload situations.
- Powerful extension springs provide superior upward force against RIG to keep trailer secure during loading, even with air-ride trailers.

Positioned automatically

Utilizes energy of backing trailer and adjusts easily to varying RIG heights. No external power source required for positioning.

Proven durability for long life

- Stores above ground to keep clear of snow, ice, debris and standing water, ensuring reliability of communication signals.
- Will not be damaged by backing trailers. Entire unit is zinc-plated for all-weather performance.
- 5 year parts and labor guarantee.

Simple design, low maintenance

Fewer moving parts means high reliability, high uptime for maximum productivity. E-Z-Lube™ axle design makes occasional lubrication quick and simple.



Superior design and Universal Restraint Controller provide the ultimate in safety and performance.



Advanced communication system with URC.

Exclusive URC controls technology allows ultimate flexibility, provides highest reliability available.

Exclusive system features audible alarm with coded override, outside light monitors, simple trouble-shooting, self-diagnostics, and easy interconnecting functions.



RITE-HITE®

SPECIFICATIONS

RHR-1000

GENERAL DESCRIPTION:

Solid state DOK-LOK® Vehicle Restraint (RHR-1000) is designed to secure a semi-trailer to a loading dock by engaging the trailer's rear impact guard (RIG) with a large, rotating hook. A spring-loaded, structural steel housing automatically positions the unit when contacted by a backing truck. The hook mechanism is controlled from an electric control panel mounted inside the building. Nine-inch carriage standard.

OPERATION:

As the trailer backs into position, the rear impact guard contacts the spring-loaded structural steel housing. The housing rides down in its track, allowing the rear impact guard to move over the top of the housing. The dock attendant then pushes a control button, which activates the hook to secure the trailer to the dock. The hook provides a holding force in excess of 32,000 lbs. DOK-LOK restraint maintains constant contact with the rear impact guard and adjusts automatically with trailer float motion to ensure proper hooking at all times during loading/unloading operations. After servicing is completed, the dock attendant releases the hook by pressing a release button at the control panel. In the event a trailer is missing, or has a damaged RIG, the DOK-LOK restraint will communicate a fault condition. An audible alarm alerts the operator that the trailer has not been properly secured by the DOK-LOK restraint. At this time, the operator may override the fault condition and secure the trailer by other means. At all times, the light communication system automatically adjusts to the proper operational mode.

CONSTRUCTION:

The enclosed, welded structural steel housing is constructed of 5/16" steel and is designed to receive the impact of trailers backing into position. The housing protects all components from damage by weather, dirt and debris. The following components are zinc-plated: track, mounting plate, housing, hook mounting components, switch bracket, chain sprockets, chain, motor cover and track anchors. The large rotating steel hook has a yellow dichromate finish.

INSTALLATION:

Low-profile DOK-LOK restraint is mounted to a steel plate that is embedded in the dock face or secured by 15 anchor bolts plus 22" of weld to the pit curb angle. Installation does not require modification to the dock leveler. Mounting force is in excess of 100,000 lbs.

ELECTRICAL / CONTROLS:

Universal Restraint Controller provides flexibility for customizing sequence of operation to most requirements. All operator controls are mounted in a gasketed control panel. The control panel is fully operational at all times; does not require key activation; contains solid-state components. Hook mechanism, electric motor and limit switches are totally enclosed in structural steel housing. Electrical components and wiring are UL listed or recognized. RHR-1000 DOK-LOK restraint requires a power source of 110/115 volt, single phase with a 15 Amp service circuit. The Universal Restraint Controller on the RHR-1000 also provides a Self-diagnostic Program, which greatly simplifies trouble-shooting by checking all inputs and outputs.

Please note: Unless specifically noted on quotation, all electrical, including hook-up, is the responsibility of others.

COMMUNICATION SYSTEM:

Outside Communication System: Full-time flashing red or green lights with signs instruct the truck driver when it is safe to back in or pull out. Low profile light box design helps avoid damage from backing trailers.

Inside Communication System: Full-time flashing red or green lights with signs help the dock attendant know when it is safe to perform loading/unloading operations. The inside lights are in the opposing mode to the outside lights.

Audible Alarm: Inside alarm helps warn the dock attendant when a normal rear impact guard has not been properly engaged. Provides a positive signal in addition to the red light.

Audible Alarm Override: A coded pushbutton control allows authorized personnel to override the audible alarm. When the audible alarm is in override, the inside red and green lights continue to flash simultaneously.

WARRANTY:

Five-year parts and labor from date of shipment. All warranties are subject to standard limitations on liability.

OPTIONS:

- 12" carriage
- LED light system
- Interconnect/interlock modules to optimize sequence of operation to specific needs.

Ask your Rite-Hite Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,257,137; 4,286,410; 4,364,137; 4,373,847; 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315 (RE32,968); 4,570,277; 4,605,353; 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,047,748; 5,111,546; 5,168,267; 5,212,846; 5,271,183; 5,297,921; 5,299,386; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,553,987; 5,582,498; 5,664,930; 5,702,223; 5,762,459; 5,882,167; 5,964,572; 6,065,172; 6,070,283; 6,074,157; 6,085,375; 6,092,970. Other U.S. and foreign patents pending.

RITE-HITE® and DOK-LOK® are registered trademarks of the RITE-HITE Corporation. RITE-HITE® reserves the right to make product improvements without prior notice.



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www.ritehite.com

R1DKR1SS601A

RITE-HITE®
Intelligent Dock DesignSM

RHR-600

DOK-LOK® Vehicle Restraint

The original trailer restraint

More installations worldwide than any other restraint. Backed by Rite-Hite for over 20 years.

Helps control *all* types of trailer separation

Unique rotating hook design can help prevent aggressive early departure, trailer creep and dock walk, as well as trailer tipover from landing gear collapse or trailer up-ending.

Flexible and reliable

Hook reaches over 6" to help maintain engagement in below-dock endload situations. Powerful extension springs provide superior upward force against RIG to keep trailer secure during loading, even with air-ride trailers.

Positioned automatically

Utilizes energy of backing trailer and adjusts easily to varying RIG heights. No external power source required for positioning.

Proven durability for long life

Stores above ground to keep clear of snow, ice, debris and standing water, ensuring reliability of communication signals. Will not be damaged by backing trailers. Entire unit is zinc-plated for all-weather performance.

Most reliable communication system available

Advanced control system includes Universal Restraint Controller, audible alarm with override and easy interconnecting functions. Provides unmatched system flexibility and performance.



Original rotating-hook restraint provides maximum safety and durability.



System features simple design, low maintenance.

Fewer moving parts means high reliability, high uptime for maximum productivity.

E-Z-Lube™ axle design makes occasional lubrication quick and simple.



RITE-HITE®

SPECIFICATIONS

RHR-600

GENERAL DESCRIPTION:

Solid state DOK-LOK® Vehicle Restraint (RHR-600) is designed to secure a semi-trailer to a loading dock by engaging the trailer's rear impact guard (RIG) with a large, rotating hook. Engagement range extends from 12" to 30" above the ground. A spring-loaded, structural steel housing automatically positions the unit when contacted by a backing truck. The hook mechanism is controlled from control panel mounted inside the building.

OPERATION:

As the trailer backs into position, the rear impact guard contacts the spring-loaded structural steel housing. The housing rides down in its track, allowing the rear impact guard to move over the top of the housing. The dock attendant then pushes a control button which activates the hook to secure the trailer to the dock. The hook provides a holding force in excess of 32,000 lbs. DOK-LOK restraint maintains constant contact with the rear impact guard and adjusts automatically with trailer float motion to ensure proper hooking at all times during loading/unloading operations. After servicing is completed, the dock attendant releases the hook by pressing a release button at the control panel. In the event a trailer is missing, or has a damaged RIG, the DOK-LOK restraint will communicate a fault condition. An audible alarm alerts the operator that the trailer has not been properly secured by the DOK-LOK restraint. At this time, the operator may override the fault condition and secure the trailer by other means. At all times, the light communication system automatically adjusts to the proper operational mode.

CONSTRUCTION:

The enclosed, welded structural steel housing is constructed of 5/16" steel and is designed to receive the impact of trailers backing into position. The housing protects all components from damage by weather, dirt and debris. The following components are zinc-plated: track, mounting plate, housing, hook mounting components, switch bracket, chain sprockets, chain, motor cover and track anchors. The large rotating steel hook has a yellow dichromate finish.

INSTALLATION:

Low-profile DOK-LOK restraint is mounted to a steel plate that is embedded in the dock face or secured by 15 anchor bolts plus 22" of weld to the pit curb angle. Installation does not require modification to the dock leveler. Mounting force is in excess of 100,000 lbs.

ELECTRICAL / CONTROLS:

Universal Restraint Controller provides flexibility for customizing sequence of operation to most requirements. All operator controls are mounted in a gasketed control panel. The control panel is fully operational at all times; does not require key activation; contains solid-state components. Hook mechanism, electric motor and limit switches are totally enclosed in structural steel housing. Electrical components and wiring are UL listed or recognized. RHR-600 DOK-LOK restraint requires a power source of 110/115 volt, single phase with a 15 Amp service circuit. **Please note: Unless specifically noted on quotation, all electrical, including hook-up, is the responsibility of others.**

COMMUNICATION SYSTEM:

Outside Communication System: Full-time flashing red or green lights with signs instruct the truck driver when it is safe to back in or pull out. Low profile light box design helps avoid damage from backing trailers.

Inside Communication System: Full-time flashing red or green lights with signs help the dock attendant know when it is safe to perform loading/unloading operations. The inside lights are in the opposing mode to the outside lights.

Audible Alarm: Inside alarm helps warn the dock attendant when a normal rear impact guard has not been properly engaged. Provides a positive signal in addition to the red light.

Audible Alarm Override: A pushbutton control allows personnel to override the audible alarm. When the audible alarm is in override, the inside red and green lights continue to flash simultaneously.

WARRANTY:

Two-year parts and labor from date of shipment. All warranties are subject to standard limitations on liability.

OPTIONS:

- 9" carriage
- Keyed alarm override
- LED light system
- Interconnect/interlock modules to optimize sequence of operation to specific needs.

Ask your Rite-Hite Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,257,137; 4,286,410; 4,364,137; 4,373,847; 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315 (RE32,968); 4,570,277; 4,605,353; 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,047,748; 5,111,546; 5,168,267; 5,212,846; 5,271,183; 5,297,921; 5,299,386; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,553,987; 5,582,498; 5,664,930; 5,702,223; 5,762,459; 5,882,167; 5,964,572; 6,065,172; 6,070,283; 6,074,157; 6,085,375; 6,092,970. Other U.S. and foreign patents pending.

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R1DKR6SS601A

RITE-HITE®
Intelligent Dock DesignSM

VBR-500

Dok-Lok® Vehicle Restraint

Flexibility to service a wide variety of trailers

Specialty trailers and trailers with lift gates can access the loading dock, while maintaining an effective light communication system.

Virtually maintenance-free

Simple design incorporates switches that do not require adjustment as climatic conditions change.

“Clean” dock face

Recessed design stores beneath the dock leveler pit.

Safe, constant contact

Continuous upward force maintains engagement as trailer bed height fluctuates during loading and unloading.

Dependable operation

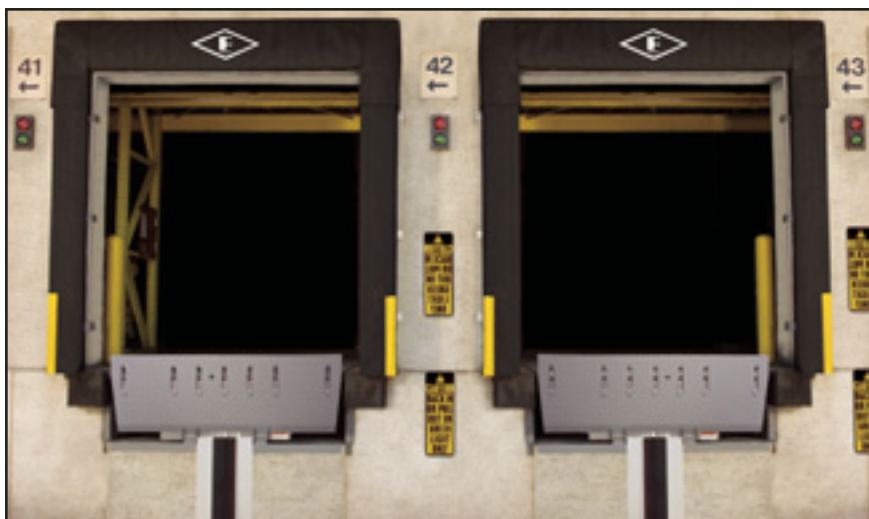
Trailer's RIG is securely held by angled, vertical barrier. Single power unit allows combined operation of restraint and hydraulic leveler.

Clear, reliable communication system

High-visibility interior and exterior lights and signs, plus audible alarm with override, provide a clear message to the driver.

Solid-state, universal controls

Flexible, advanced control system easily meets today's loading dock requirements. Light monitor provides constant status on outside communication.



Incorporates over 30 years of vehicle restraint expertise to provide:

- A Simple design
- Flexibility to service a variety of trailers
- A “Clean” dock face
- Continuous engagement and constant communication
- Dependable operation and low maintenance

RITE-HITE®

SPECIFICATIONS

VBR-500

GENERAL DESCRIPTION:

The DOK-LOK® VBR-500 vehicle restraint is a recessed system designed to secure a semi-trailer to a loading dock by engaging the trailer's rear impact guard (RIG) with a large, vertical barrier. The barrier mechanism is controlled from a control panel mounted inside the building.

OPERATION:

After the truck is backed into the dock, the dock attendant pushes the "Lock" button on the control panel, which extends and raises the barrier to secure the trailer to the dock. Red communication lights outside, and green lights inside, signal that the trailer is engaged. The barrier provides a holding force in excess of 32,000 lbs. Barrier maintains constant contact with the rear impact guard and adjusts automatically with trailer float motion to ensure proper engagement at all times during loading and unloading operation. After servicing is completed, the dock attendant releases the barrier by pressing the "Unlock" button on the control panel. The light communication system automatically adjusts to the proper operational mode.

CONSTRUCTION:

Heavy structural plate box design has high-density polyethylene top cover and front brush seal to help prevent debris from entering and accumulating in restraint pit.



Recessed design stores beneath the dock leveler pit.

COMMUNICATION SYSTEM:

Outside Communication System: Full-time flashing red or green lights with signs instruct the truck driver when it is safe to back in or pull out. Low profile light box design helps avoid damage from backing trailers.

Inside Communication System: Full-time flashing red or green lights with signs help the dock attendant know when it is safe to perform loading and unloading operations. The inside lights are in the opposing mode to the outside lights. Outside light monitor depicts outside light communication status.

Audible Alarm: Inside alarm helps warn the dock attendant when a normal rear impact guard has not been properly engaged.

Audible Alarm Override: A coded push-button control allows authorized personnel to override the audible alarm. When the audible alarm is overridden, the inside red and green lights continue to flash simultaneously.

INSTALLATION:

The VBR-500 restraint is recess mounted and anchored into the leveler pit.

ELECTRICAL/CONTROLS:

All operator controls are mounted in a gasketed control panel that contains solid-state components. The control panel is fully operational at all times. Barrier, sensor, and magnetic-resistive switches are protected by structural steel housing. Electrical components and wiring are UL listed or recognized. The VBR-500 restraint requires a power source of 110/115 volt, single phase with a 15 Amp service circuit. Please note: Unless specifically noted on quotation, all electrical, including hook-up, is the responsibility of others.

OPTIONS:

- LED light package.
- Interlocks and interconnects to customize the sequence of operation to meet specific customer needs.

WARRANTY:

Two-year on all parts and labor from date of shipment. All warranties are subject to standard limitations on liability.

Ask your RITE-HITE® Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,110,860; 4,146,888; 4,191,503; 4,208,161 (RE 33,242); 4,257,137; 4,264,259; 4,267,748; 4,282,621; 4,286,410; 4,364,137; 4,373,847; 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315 (RE32,968); 4,570,277; 4,605,353 (RE 33,154); 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,047,748; 5,111,546; 5,168,267; 5,212,846; 5,271,183; 5,297,921; 5,299,386; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623. Other U.S. and foreign patents pending.

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R15VBR5SS604A

RITE-HITE®

VBR-300

DOK-LOK[®] Vehicle Restraint

Safe, constant contact

Mechanical springs provide superior upward force and constant tension against rear impact guard. Unit maintains consistent engagement as trailer bed height fluctuates during loading and unloading, especially important with air-ride trailers.

Services a wide variety of trailers

Low-profile unit has 10" stored height to accommodate declined approaches and most rear impact guard heights.

Dependable hydraulic operation

4¼" high angled, vertical barrier is hydraulically powered into position, securely holding trailer's rear impact guard.

Virtually no maintenance required

Only periodic housekeeping and semi-annual visual fluid level inspections. No adjustments required.

Clear, reliable communication system

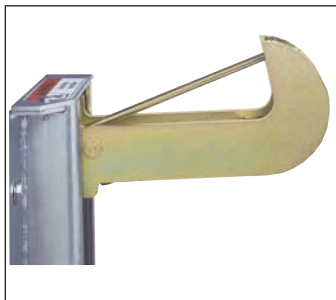
Includes high visibility interior and exterior lights and signs, plus audible alarm with override.

Solid-state, universal controls

Advanced control system provides flexibility to meet the requirements of today's loading dock. Universally understood graphics on control panel.



Ultra safe and dependable communication system.



- Magnetic resistive switches provide the most reliable signals.
- Durable sensor bar is protected in steel housing.
- No adjustments required.



RITE·HITE[®]

SPECIFICATIONS

VBR-300

GENERAL DESCRIPTION:

The DOK-LOK® VBR-300 vertical barrier restraint is designed to secure a semi-trailer to a loading dock by engaging the trailer's rear impact guard (RIG) with a large, vertical barrier. A hydraulic cylinder positions the barrier after a truck is backed into the dock. The barrier mechanism is controlled from a control panel mounted inside the building.

OPERATION:

After the truck is backed into the dock, the dock attendant pushes the "Lock" button on the control panel which raises the barrier to secure the trailer to the dock. Outside red and inside green communication lights signal that the trailer is engaged. The barrier provides a holding force in excess of 32,000 lbs. Barrier maintains constant contact with the rear impact guard and adjusts automatically with trailer float motion to ensure proper engagement at all times during loading and unloading operation. After servicing is completed, the dock attendant releases the barrier by pressing the "Unlock" button on the control panel. The light communication system automatically adjusts to the proper operational mode.

CONSTRUCTION:

The steel housing protects all components from damage by weather, dirt and debris. The following components are zinc-plated: base housing, mounting plate, covers and hardware. The large steel barrier has a yellow dichromate finish.

INSTALLATION:

The VBR-300 restraint is mounted to a steel plate secured by 8 anchor bolts plus 15" welded to the pit curb angle. Installation does not require modification of the dock leveler. Mounting force is in excess of 70,000 lbs.

ELECTRICAL / CONTROLS:

All operator controls are mounted in a gasketed control panel. The control panel is fully operational at all times; contains solid-state components. Barrier, sensor and magnetic-resistive switches are enclosed in structural steel housing. Electrical components and wiring are UL listed or recognized. The VBR-300 restraint requires a power source of 110/115 volt, single phase with a 15 Amp service circuit. Interlocks and interconnects are available to customize the sequence of operation to meet specific customer needs. **Please note: Unless specifically noted on quotation, all electrical, including hook-up, is the responsibility of others.**

COMMUNICATION SYSTEM:

Outside Communication System: Full-time flashing red or green lights with signs instruct the truck driver when it is safe to back in or pull out. Low-profile light box design helps avoid damage from backing trailers.

Inside Communication System: Full-time flashing red or green lights with signs help the dock attendant know when it is safe to perform loading/unloading operations. The inside lights are in the opposing mode to the outside lights.

Audible Alarm: Inside alarm helps warn the dock attendant when a normal rear impact guard has not been properly engaged. Provides a positive signal in addition to the red light.

Audible Alarm Override: A control allows authorized personnel to override the audible alarm. When the audible alarm is in override, the inside red and green lights continue to flash simultaneously.

WARRANTY:

One-year on all parts and labor from date of shipment. All warranties are subject to standard limitations on liability.

Ask your Rite-Hite Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,257,137; 4,286,410; 4,364,137; 4,373,847; 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315 (RE32,968); 4,570,277; 4,605,353; 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,047,748; 5,111,546; 5,168,267; 5,212,846; 5,271,183; 5,297,921; 5,299,386; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,553,987; 5,582,498; 5,664,930; 5,702,223; 5,762,459; 5,882,167; 5,964,572; 6,065,172; 6,070,283; 6,074,157; 6,085,375; 6,092,970. Other U.S. and foreign patents pending.

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R1DKV3SS601A

RITE-HITE®
Intelligent Dock DesignSM

VBR-300 ALP

DOK-LOK® Vehicle Restraint

Effective trailer separation protection

Reliable restraint helps protect against early departure, trailer creep and dock walk that can lead to hazardous dock accidents.

Services wide variety of trailers

Low-profile unit has 10" (25 cm) stored height to accommodate declined approaches and most rear impact guard (RIG) heights.

Easy to operate

Simple control rod is used to manually activate barrier. Inside and outside lights automatically change to indicate locked status. (Manual light activation also available.)

Reliable protection

4-1/4 inch (11 cm) high angled, vertical barrier securely restrains trailer RIG.

Safe, constant contact

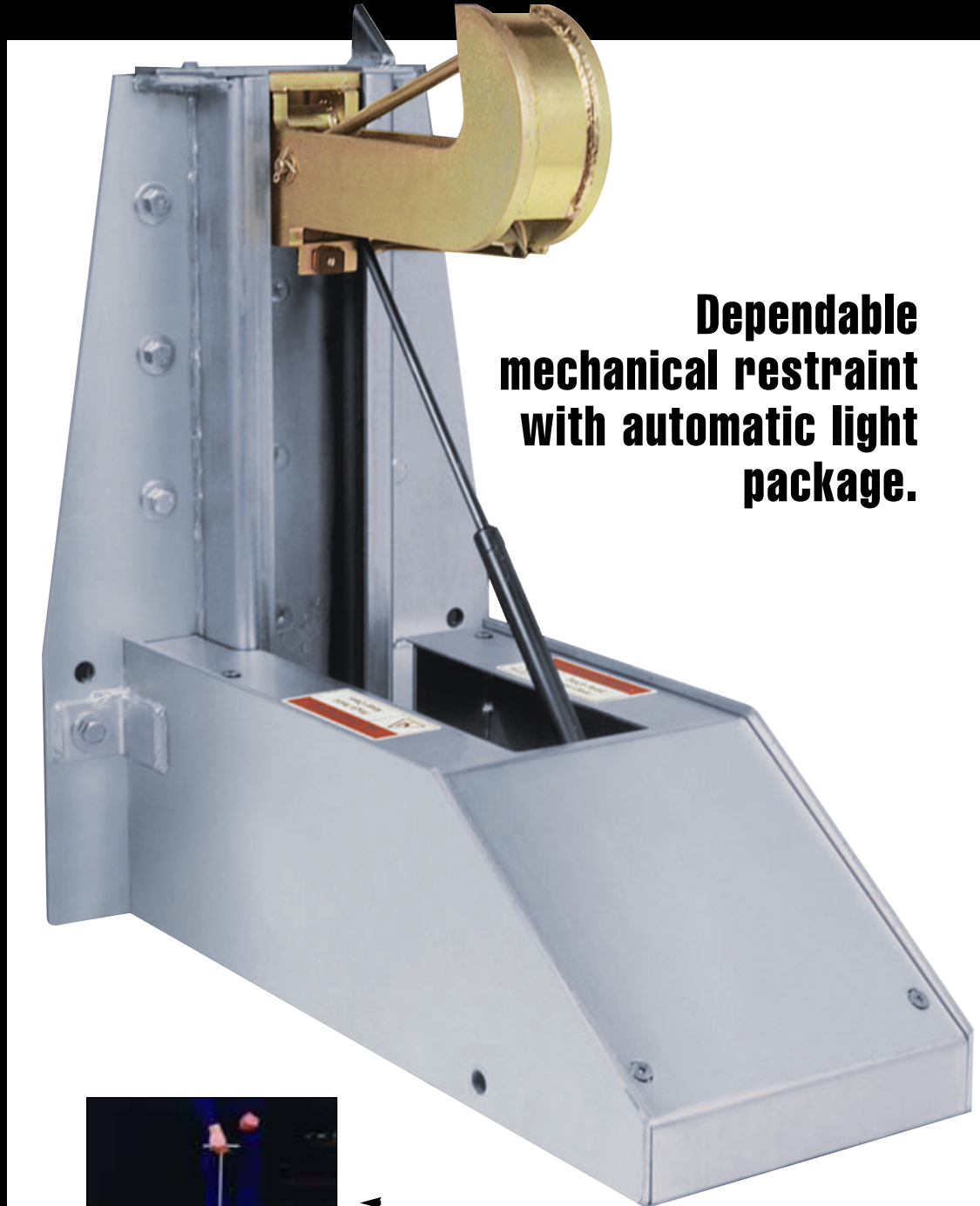
Gas spring provides constant tension against RIG, maintaining consistent engagement during loading and unloading. Especially important with air-ride trailers.

Virtually no maintenance

Only periodic housekeeping required.

Easy to upgrade

Mechanical unit and controls can be easily upgraded for fully automatic operation.



**Dependable
mechanical restraint
with automatic light
package.**



◀ Easy to operate:
Simple control rod is used to
raise and lower barrier.

▶ Automatic light system
includes durable touch-pad
controls that allow user to
communicate if trailer cannot
be effectively engaged due to
damaged or missing RIG.



RITE·HITE®

SPECIFICATIONS

VBR-300 ALP

GENERAL DESCRIPTION:

The manually-activated DOK-LOK® VBR-300 ALP vertical barrier restraint is designed to secure a semi-trailer to a loading dock by engaging the trailer's rear impact guard (RIG) with a large, vertical barrier. A sealed gas spring positions the barrier after a truck is backed into the dock. The barrier is activated with the use of an operator control rod.

OPERATION:

After the truck is backed into the dock, the dock attendant reaches down with a control rod and inserts it under a lifting bar. Attendant raises the barrier to secure trailer to the dock. When RIG is secured, inside lights on control panel automatically change to green; outside communication lights change to red. In the event a RIG is not secured, inside/outside lights flash red and an audible alarm sounds.

Barrier provides a holding force in excess of 32,000 lbs. (140 kN). Base of barrier maintains constant contact with the rear impact guard and adjusts automatically with trailer float motion to ensure proper engagement at all times during loading and unloading operation. After servicing is complete, the dock attendant inserts the control rod onto the barrier and pushes it to its stored position. Attendant pushes unlock button to change inside lights back to red and outside lights back to green.

CONSTRUCTION:

The steel housing protects all components from damage by weather, dirt and debris. The following components are zinc-plated: base housing, mounting plate, covers and hardware. The large steel barrier has a yellow dichromate finish.

INSTALLATION:

The VBR-300 ALP restraint is mounted to a steel plate secured by eight anchor bolts plus 15" (38 cm) welded to the pit curb angle. Installation does not require modification of the dock leveler. Mounting force is in excess of 70,000 lbs (310 kN).

ELECTRICAL:

The VBR-300 ALP restraint requires a power source of 110/115 volt, single phase with a 1 amp service requirement per unit. Interlocks and interconnects are available to customize the sequence of operation of powered dock equipment to meet specific customer needs. **Please note: Unless specifically noted on quotation, all electrical, including hook-up, is the responsibility of others.**

COMMUNICATION SYSTEM:

Outside: Full-time flashing red or green lights with signs instruct the truck driver when it is safe to back in or pull out. Low profile light box design helps avoid damage from backing trailers.

Inside: Full-time flashing red or green lights with signs help the dock attendant know when it is safe to perform loading/unloading operations. The inside lights are in opposite mode to the outside lights.

Audible Alarm: Inside controls include audible alarm with override which helps warn the dock attendant when a normal rear impact guard has not been properly engaged. When in override, inside red and green lights continue to flash simultaneously.

WARRANTY:

One year on all parts and labor from date of shipment. All warranties are subject to standard limitations on liability.

MODEL VBR-300 M:



DOK-LOK®
VBR-300 M Restraint

The mechanical VBR-300 restraint is also available in a model with a manually-activated light system (VBR-300 M). All specifications remain the same with the exception of the light control and horn system. VBR-300 M light package includes outside low-profile red and green lights, and inside red and green lights with a manual toggle switch that changes the light status to correspond with restraint engagement status.

The VBR-300 M does not include an audible alarm.



VBR-300 M
inside lights.

Ask your Rite-Hite Representative for more details on a Planned Maintenance Program.

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GLOBAL WHEEL-LOK™

GWL-2300 Vehicle Restraint

Versatility

Safely restrains virtually all trailer types including trailers without effective rear impact guards.

Maximize uptime

Simple, electro-mechanical design employs few moving parts for maximum reliability.

Positioned automatically

High-strength steel locking arm adjusts to different tire sizes for tight, reliable engagement. No external power required for positioning.

Protects building and enhances seal effectiveness

Wheel guides help provide consistent, on-center trailer positioning.

Safe, clear communication system

Protects workers, cargo and equipment.

Minimal maintenance

Easy-to-access lubrication points.



Take the simple route to securing all kinds of trailers.

Loading docks all around the world should have the same safe working conditions. The GLOBAL WHEEL-LOK™ vehicle restraint offers the most versatile design for companies that serve a wide variety of trailers: liftgates, drop floors, low hanging fenders, with or without rear impact guards (RIGs). It's a rugged and proven restraint system that offers the most simple and effective way to help prevent early departure and trailer creep accidents at your docks.



Restrain the widest variety of trailers, even those with hydraulic liftgates.



Dual wheel guides help ensure accurate, on-center positioning for safe engagement and a tight and efficient seal.

RITE·HITE®

SPECIFICATIONS

GWL-2300 Vehicle Restraint

GENERAL DESCRIPTION:

The WHEEL-LOK™ GWL-2300 vehicle restraint is designed to secure virtually any trailer type, with or without an ICC bar, to the dock, by engaging the driver's side rearmost tire with an integral steel barrier. Ability to resist pullout forces in excess of 32,000 lbs. allows restraint of virtually any trailer with tires from 30" to 44" (76 cm - 112 cm) in diameter.

OPERATION:

As the truck approaches the loading dock, it positions between the dual wheel guides. It then contacts the restraint's trigger device which begins moving toward the dock using the energy of the trailer. This enables the locking arm to size the tire and rise to its full height on the rearmost tire. When the trailer is in position, the attendant pushes the "Lock" button on the control panel inside the building, which activates the locking assembly. Inside and outside red and green communication lights signal that the trailer is engaged. To release the restraint, the dock attendant presses the "Unlock" button. After the locking assembly is disengaged, communication lights change to indicate truck is no longer engaged and is free to move forward. Engagement range is 43" to 158" (109 cm - 401 cm) on the rearmost tire from the face of the dock bumpers. Unit allows for manual release in the event of a power failure.

CONSTRUCTION:

The GWL-2300 vehicle restraint is constructed of structural and formed steel. All structural components are metalized or painted for corrosion resistance. The drive system is a hydraulic cylinder powered by a 120-volt hydraulic power unit. The dual wheel guides are constructed of steel and painted safety yellow.

INSTALLATION:

The GWL-2300 vehicle restraint is surface mounted to the concrete driveway approach. The frame assembly and wheel guides are mounted using 32 self-expanding concrete anchors.

ELECTRICAL:

All operator controls meet or exceed the National Electric Code (NEC). Electrical components and wiring are UL listed or recognized. Power requirements are 120 volt, single phase, 60 hertz.

SAFETY FEATURES:

Communication System: Outside system includes full-time flashing red or green lights with signs to warn the truck driver when it is safe to back in or pull out. Inside, full-time flashing red or green lights with signs tell the dock attendant when it is safe to perform loading/unloading operations. The inside lights are in the opposing mode to the outside lights. System also includes an inside audible alarm which sounds if the unit is unable to achieve its full restraining height. An override allows for horn silencing.

Automatic Tire Sizing: The system automatically sizes the tire ranging from 30" - 44" (76 cm - 112 cm) in diameter to help provide maximum restraint.

WARRANTY:

One-year parts and labor from date of shipment. All warranties are subject to standard limitations on liability.

Ask your Rite-Hite Representative for details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, ThinMan Truck Leveler/Vehicle Restraint, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,110,860; 4,208,161; 4,257,137; 4,264,259; 4,267,748; 4,282,621; 4,286,410; 4,364,137; 4,373,847; 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315; 4,570,277; 4,605,353; 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,111,546; 5,212,846; 5,271,183; 5,297,921; 5,299,386; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,664,930; 5,702,223. Other U.S. and foreign patents pending.

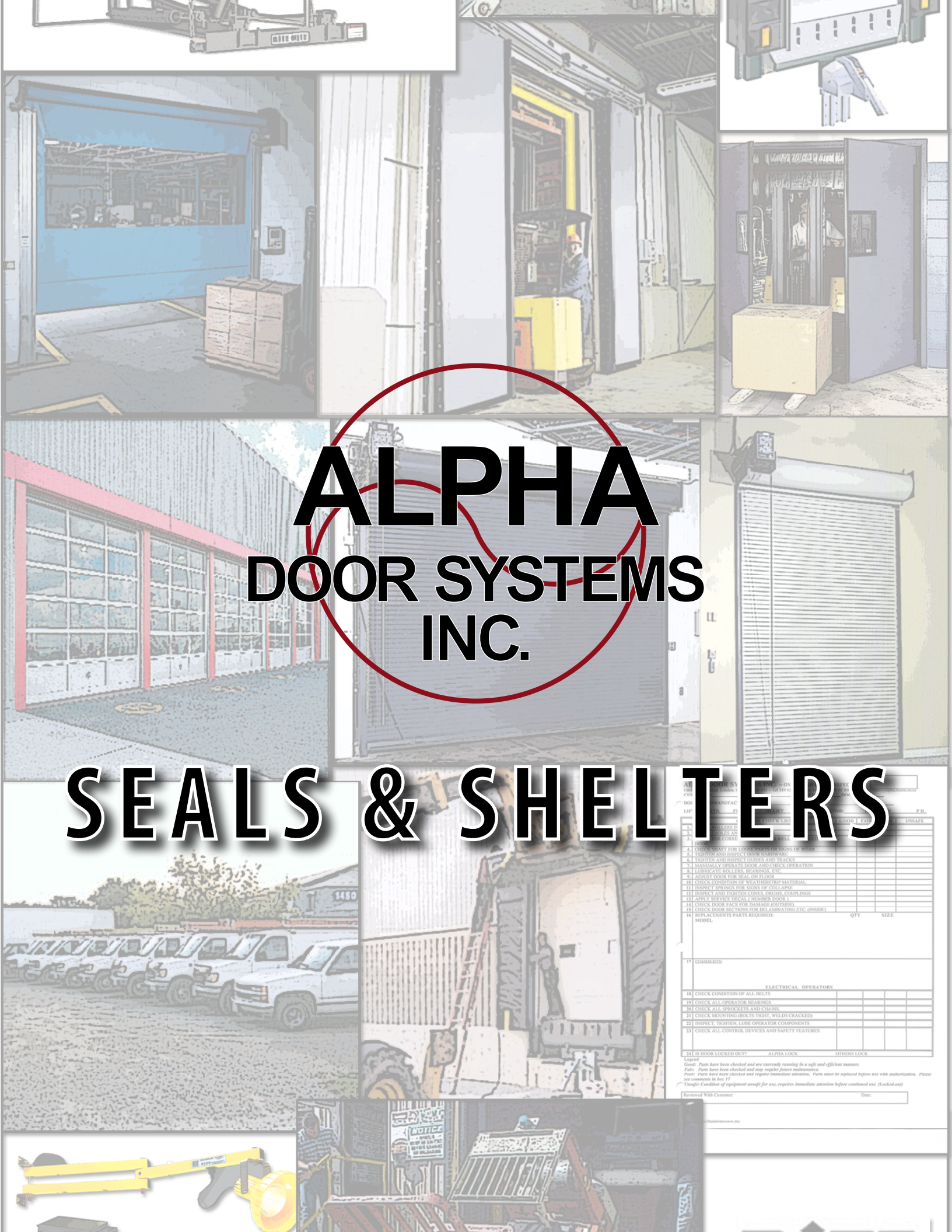
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ALPHA DOOR SYSTEMS INC.

SEALS & SHELTERS



QTY	SIZE	P.H.
		UNSAFE

18 COMMENTS:

ELECTRICAL OPERATORS

18	CHECK CONDITION OF ALL BELTS		
19	CHECK ALL OPERATOR BEARINGS		
20	CHECK ALL SPRINGS AND CHAINS		
21	CHECK ALL MOUNTING BOLT TIGHT, WELDS CRACKS		
22	INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS		
23	CHECK ALL CONTROL DEVICES AND SAFETY FEATURES		

24 IS DOOR LOCKED OUT? ALPHA LOCK OTHERS LOCK

Legend:
Good: Parts have been checked and are currently running in a safe and efficient manner.
Fair: Parts have been checked and may require future maintenance.
Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in line 17.
Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked-out)

Reviewed With Customer: _____ Date: _____

Manufacturer's Use

FROMMELT[®] ELIMINATOR[™] -GapMaster[™] II Soft-Sided Shelter

Pivoting canopy header protects unit from damage if trailer comes in off center or higher than expected.

Slim profile 6" wide side frames allow unit to fit in narrowest door centerline situations.

Durable foam frame design can take impacts from off-center trailers without damage. No need for expensive steel bumpers.

HMWPE-wrapped side frames give unit stability, yet can be fully compressed and return immediately to original shape and position.

Detachable side curtains are easily removed to allow increased air flow on the dock in warm weather, or can be quickly replaced if needed.

Rite-Hite[®] sectional doors include both traditional and fully impactable designs to fit your application requirements.

Self supporting fabric canopy header creates effective upper shelter without need to rest on side frames, preventing damage to side frames over time.

Available Firefighter[™] heat dissipating protection in head curtain can prevent burning from hot trailer marker lights.

Integral rain gutter diverts water off sides of shelter.

C-4 style head curtain rests with pressure on top of trailer, creating full height clearance inside trailer.

Durable GapMaster hook grasps firmly around edge of open trailer door to create an effective seal of hinge gap.

Flexible fiberglass stays hold curtain tight against trailer sides. Endcaps on stays prevent fabric wear-through.

Exclusive collapsible draft pad design resists damage from trailers and provides effective seal between trailer bed and shelter side curtains.

Rite-Hite[®] Safe-T-Lip[®] dock levelers and Dok-Lok[®] vehicle restraints lead the industry in preventing dock accidents.

Get full access, impactability and the ability to seal trailer hinge-gaps with slim profile ELIMINATOR-GapMaster II dock shelters

ELIMINATOR-GapMaster II shelters combine the complete closure of a dock seal and the full access of a dock shelter. Rugged GapMaster hooks grasp and effectively seal swing-out trailer door hinge gaps to provide a seal without restricting access to the trailer opening. Plus, impactable foam side frames are built to withstand hits from off-center trailers, eliminating the need for expensive repair costs associated with traditional rigid frame shelters.

And now, Frommelt ELIMINATOR-GapMaster II shelters, with advanced slim-profile side frame design, can accommodate wider trailers and fit narrower dock spaces, delivering greater flexibility and value than ever before.



RITE-HITE[®]

FROMMELT® ELIMINATOR™ - GapMaster™ II Soft-Sided Shelter



Ultimate Sealing Efficiency

Ordinary shelters can't seal the hinge-gap created by swing-out trailer doors. With exclusive, tight-sealing GapMaster hooks, however, ELIMINATOR-GapMaster II shelters can save up to \$500 per year per dock position in energy costs and help protect people and products from the elements. An optional sealing package is available for refrigerated trailer doors as well.



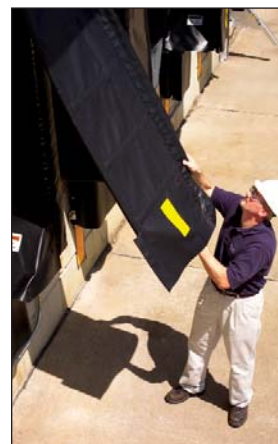
Ultimate Impactability

Frommelt's exclusive HMWPE-wrapped (high molecular weight polyethylene) foam-core side frames can compress fully to the wall, yet return to their original shape and position, time after time.



Ultimate Flexibility

With 6" wide, slim-profile side frames, ELIMINATOR-GapMaster II shelters can be positioned in the narrowest of dock spaces, and accommodate the widest trailers. There's often no need to reposition lights, signs or electrical conduit.



Easily removable side curtains

Velcro-attached side curtains can be removed to increase air flow into the dock area, for repair or replacement if worn or damaged, or to adjust the sealing effectiveness if width of common trailer traffic changes.



Enjoy your investment for years to come.

Only Frommelt ELIMINATOR-GapMaster II soft-sided shelters deliver all these exclusive benefits and come backed by a standard 36-month, money-back customer satisfaction guarantee when ordered with premium Frommelt fabrics.

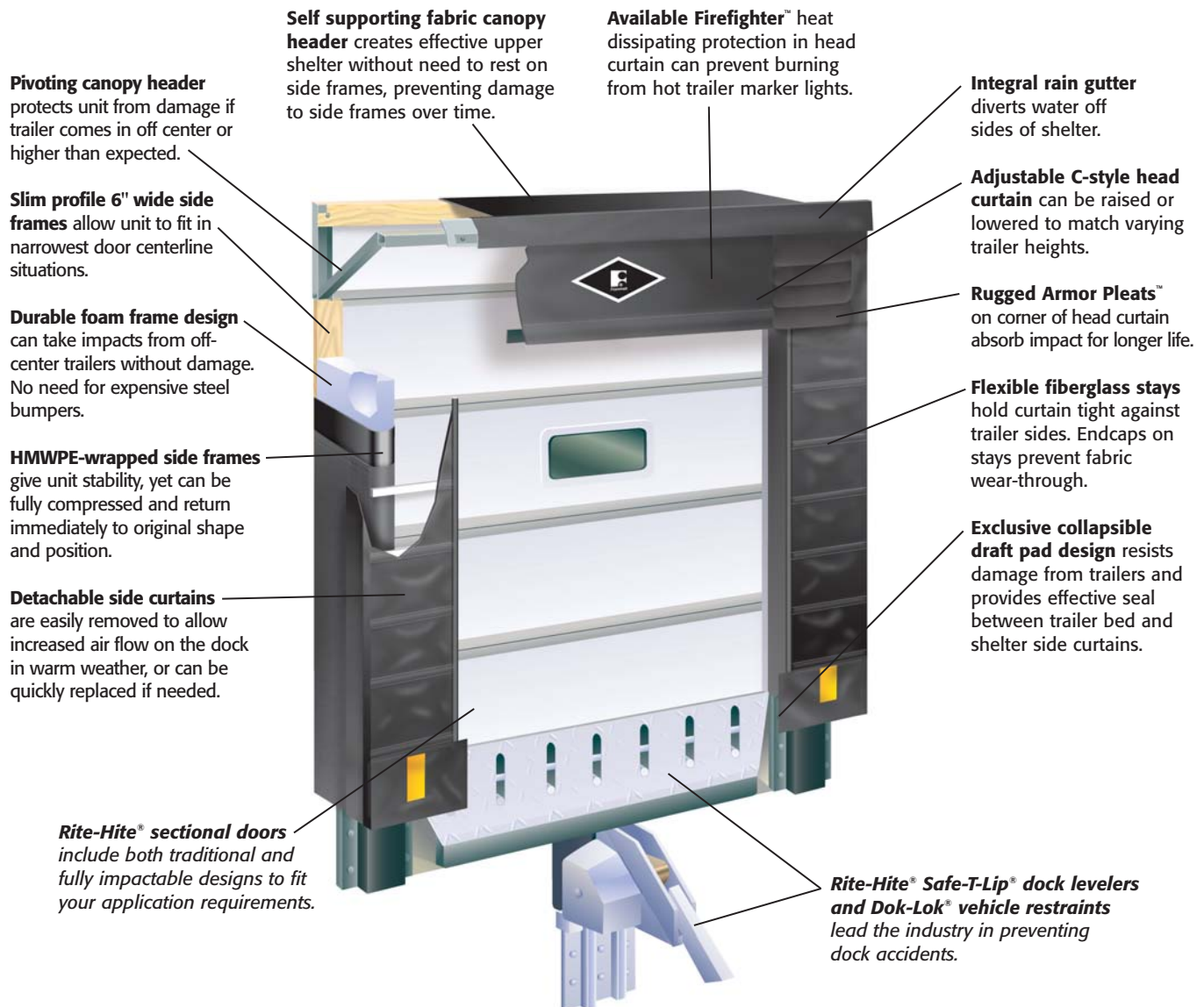
See your Rite-Hite Representative today for more information on the ELIMINATOR-GAPMASTER II shelter, and sister products, the ELIMINATOR™ II soft-sided shelter, and the soft-sided COMBOSHELTER™ II, designed to meet the unique challenges of docks that receive both liftgate and standard trailers.



Frommelt

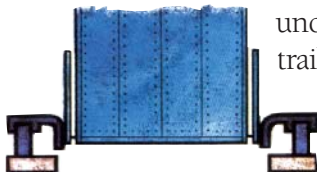
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(414) 355-2600 or toll free: 800-456-0600
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FROMMELT[®] ELIMINATOR[™] II Soft-Sided Shelter



Get full access, impactability and the ability to fit narrow docks with ELIMINATOR II dock shelters

Like compressible foam dock seals, ELIMINATOR II soft-sided shelters can take repeated hits from off-center trailers without suffering expensive damage associated with rigid, wood and fiberglass framed shelters. Yet like traditional shelters, ELIMINATOR II soft-sided shelters allow full, unobstructed access to loads on the trailer, with flexible side curtains that wipe against the trailer sides to create an effective perimeter seal.



And now, Frommelt ELIMINATOR II shelters pack even more value and guaranteed long-term performance. Advanced side frame and header technology allows better sealing efficiency, greater resistance to damage, and more flexibility to fit a wider variety of situations and sealing needs than ever before.

RITE·HITE[®]

FROMMELT® ELIMINATOR™ II Soft-Sided Shelter

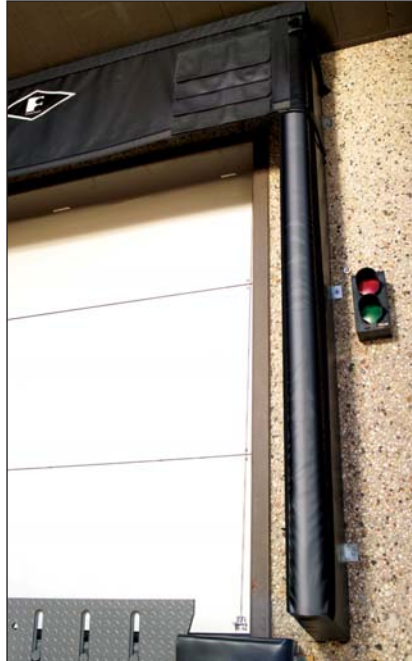
Frommelt, the recognized world leader in innovative dock seal and shelter design, has advanced the bar

on dock shelter value and performance with the new ELIMINATOR II soft-sided shelter.



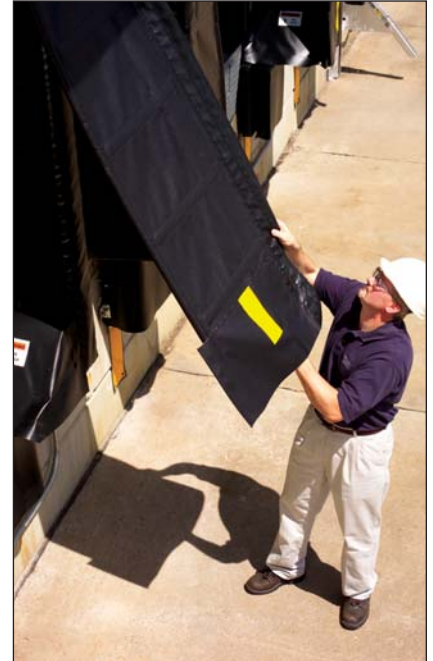
Ultimate Impactability

Frommelt's exclusive HMWPE-wrapped (high molecular weight polyethylene) foam-core side frame design gives ELIMINATOR II shelters the ability to take hits from off-center trailers without being damaged. Side frames can compress fully to the wall, yet return to their original shape and position, time after time.



Ultimate Flexibility

With 6" wide, slim-profile side frames, ELIMINATOR II shelters can be positioned in the narrowest of dock spaces, where full-access dock shelters previously just couldn't fit. The narrow footprint can eliminate the need for expensive repositioning of lights, signs and electrical conduit installed on the wall.



Easily removable and reattachable side curtains

Velcro-attached side curtains give you the flexibility to remove, replace or change out side curtains with ease. Curtains can be removed to increase air flow into the dock area in hot weather, or for repair or replacement if worn or damaged. Or, to adjust the side curtain width and sealing effectiveness if width of common trailer traffic changes.



Enjoy your investment for years to come.

Only Frommelt ELIMINATOR II soft-sided shelters deliver all these exclusive benefits and come backed by a standard 36-month, money-back customer satisfaction guarantee when ordered with premium Frommelt fabrics.

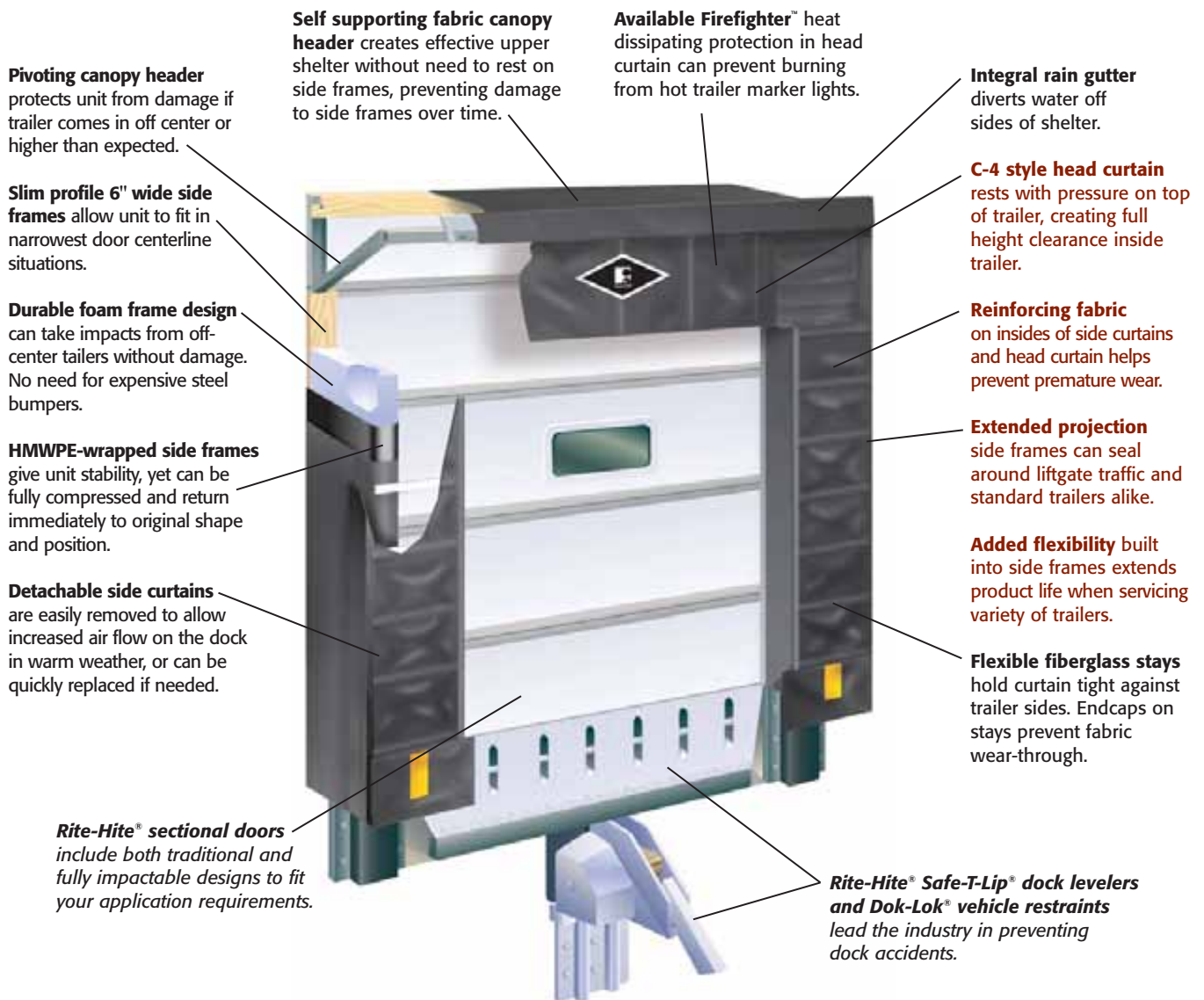
See your Rite-Hite Representative today for more information on the ELIMINATOR II shelter, and sister products, the ELIMINATOR™GAPMASTER™ II hinge-gap sealing shelter, and the soft-sided COMBOSHELTER™ II, designed to meet the unique challenges of docks that receive both liftgate and standard trailers.



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FROMMELT[®] COMBOSHELTER[™] II Soft-Sided Shelter



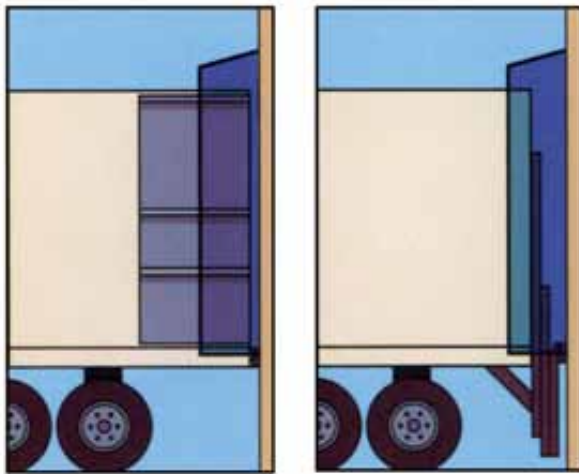
Get full access, impactability and the durability to withstand use by liftgates and standard trailers with COMBOSHELTER II dock shelters

COMBOSHELTER II enclosures are specially engineered to address the unique challenges found at docks servicing both standard trailer types and those with liftgates, step ledges or other rear extensions. Part of the popular series of soft-sided ELIMINATOR II shelters, the COMBOSHELTER II combines the impactability of a dock seal and the full access of a dock shelter. Yet the COMBOSHELTER II is built with added features to not only effectively seal around a wider variety of trailer types, but to hold up longer under the added wear-and-tear that occurs when various trailer types use the same dock position.



RITE·HITE[®]

FROMMELT® COMBOSHELTER™ II Soft-Sided Shelter



Ultimate Durability

When sealing a variety of trailers that includes liftgates, extending the projection of the unit is only the start. To prevent wear from curtain "backlash" that occurs when standard trailers pull away from the dock, insides of COMBOSHELTER II side curtains and head curtains are specially reinforced. Plus, stable narrow side frames provide increased flexibility and further wear protection.



Ultimate Impactability

Frommelt's exclusive HMWPE-wrapped (high molecular weight polyethylene) foam-core side frames can compress fully to the wall, yet return to their original shape and position, time after time.



Ultimate Flexibility

With 6" wide, slim-profile side frames, the COMBOSHELTER II can be positioned in the narrowest of dock spaces, and accommodate the widest trailers. There's often no need to reposition lights, signs or electrical conduit.



Easily removable side curtains

Velcro-attached side curtains can be removed to increase air flow into the dock area in hot weather, for repair or replacement if worn or damaged, or to adjust the side curtain width and sealing effectiveness if width of common trailer traffic changes.



Enjoy your investment for years to come.

Only Frommelt ComboShelter II soft-sided shelters deliver all these exclusive benefits and come backed by a standard 36-month, money-back customer satisfaction guarantee when ordered with premium Frommelt fabrics.

See your Rite-Hite Representative today for more information on the COMBOSHELTER II shelter, and sister products, the ELIMINATOR™-GAPMASTER™ II hinge gap sealing shelter and ELIMINATOR™ II, the original impactable shelter.



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SURVIVOR™



Frommelt®

POLY-FRAME DOCK SHELTER

Impactable side frames

Semi-rigid Neotec™ HMWPE side frames with outer fabric layer provide flexibility to withstand trailer impact without permanent damage. No protective steel bumpers required.

V-Flow™ fabric header

Diverts water off sides of shelter. Requires no additional overhead clearance for proper functioning.

C-4-style head curtain

Rests with pressure on top of trailer, creating full-height clearance inside trailer.

Quality side curtain design

14" stay-spacing ensures consistent pressure against trailer sides for reliable sealing efficiency.

"Twistable" curtain stays

Resist cracking or breaking to maintain positive seal pressure.

Collapsible XLPE foam draft pads

Are damage and wear-resistant and provide efficient seal between shelter side frames and trailer sides.



PREVENT COSTLY DOCK SHELTER DAMAGE WITH THE UNIQUE, IMPACTABLE SURVIVOR™ DESIGN.

Constructed of the most advanced materials available, the SURVIVOR™ poly-frame dock shelter withstands impact from off-center backing trailers, and survives the harshest dock conditions. Built to the quality standards that have made Frommelt the recognized industry leader in dock seals and shelters since 1951.

RITE-HITE®

SURVIVOR™

Traditional dock shelters can be costly.

Ordinary dock shelter side frames are constructed of rigid, non-impactable materials, such as wood, steel and fiberglass, which can be severely damaged or destroyed by the impact of even a single trailer.

Not only do these materials damage easily, they're also costly to replace. Docks become unsightly and sealing efficiency is lost when frames are damaged. Impact can also result in damage to trailers from large protective steel bumpers.

Save on repair and maintenance costs.

Frommelt's rugged SURVIVOR™ dock shelter side frames are constructed of the most advanced technology available – virtually indestructible Neotec™ high molecular weight polyethylene sheeting – configured in an exclusive "A-frame™" design.

So they can survive hits from trailers backing in off-center and from any angle, protecting your dock shelter investment for years to come. Plus, the frames maintain their integrity, so side curtains stay properly positioned on the sides of the trailer, without protruding into the trailer opening.

And, since SURVIVOR frames can be compressed all the way back to the dock bumpers, there is no need for additional protective steel bumpers.



Just one trailer impact can severely damage or even destroy ordinary rigid-frame dock shelters.



Tough SURVIVOR™ dock shelter side frames easily survive trailer hits to eliminate repairs or replacement.

See your Rite-Hite Representative today.

Or visit our website for more information on the SURVIVOR dock shelter, and the full line of popular Frommelt® shelters, including the soft-sided ELIMINATOR™-GAPMASTER™ II hinge-gap sealing shelter, and the soft-sided COMBOSHELTER™ II, designed to meet the unique challenges of docks that receive both liftgate and standard trailers.

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FROMMELT™ Uni-Dox™

Inflatable Shelter

Unique design virtually eliminates wear and tear since Uni-Dox inflates after the truck is docked and deflates rapidly before the truck leaves.

Raked header provides drainage when shelter is not covered by a canopy or hood.

Guide stripes aid accurate truck placement.

Storage curtains and framing protect the air bags when not in use and provide a clean, attractive appearance.

High capacity, dual voltage blower system provides a high volume/low pressure even seal.

Counter-balanced system retracts bags behind storage curtains which protect the components for long service life.

EasyFlex™ head curtain inflates to form an effective seal on virtually any truck height.

Translucent fiberglass panels on top and sides allow light into the loading area.

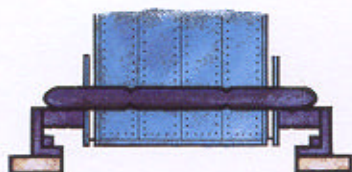
EasyFlex™ fabric side curtain inflates to width of truck.

Steel bumpers support side frames and protect them from misguided trailers.

Bottom air seal retracts behind storage curtains.

Rite-Hite SAFE-T-LIP® levelers and DOK-LOK® vehicle restraints provide optimum safety.

Most Versatile Shelter Available



Uni-Dox™ Inflatable Shelters provide the most versatile seal available to service the widest variety of truck and trailer configurations. The side and head bags inflate around the sides and top of the truck after it is backed into place. When not in use, the air bags deflate and retract behind the protective structure.



INSULATOR™

FOAM DOCK SEAL

DURATHON™ fabric wrap

All trailer-contact surfaces are protected by high-strength, friction-resistant DURATHON fabric for extreme wear-resistance.

Full-height reinforcing

In addition to entire front face, inside surfaces of side pads are reinforced with DURATHON fabric over the base layer of flexible vinyl, protecting vulnerable surfaces from damage from forklifts and loads.

Rugged pleatless design

Ultra-durable construction eliminates the need for troublesome wear pleats. Tough corner boot reinforcement helps ensure long life at highest wear point.

FIREFIGHTER™ Header Protection

Ultra-durable header design features heat-dissipating, triple-layer foil construction between inner vinyl and outer DURATHON layers, eliminating the risk of burning from trailer marker lights. FIREFIGHTER technology also available in side pads.

36-Month Money-back Guarantee

Built to Frommelt's high standards for quality and performance, INSULATOR dock seals are backed by a full, 3-year money-back guarantee of customer satisfaction (with proper application and installation).



Model IDSP with head pad and optional vertical-motion side pads.



Model IDSC with C-Curtain.

GET THE ULTIMATE IN HIGH-DURABILITY DOCK SEALS.

Frommelt's popular INSULATOR dock seal leads the industry in toughness and long-life under harsh, high-traffic dock conditions. Loaded with innovative features, the INSULATOR is able to hold up when other dock seals fail. The unique DURATHON-wrapped, pleatless design means seals stay looking better – and sealing better – longer, saving on repair or replacement costs. Plus, standard FIREFIGHTER header protection eliminates the risk of burning from trailer marker lights, preventing damage and keeping your docks safe.

RITE-HITE®

INSULATOR™

Be rid of troublesome wear pleats.

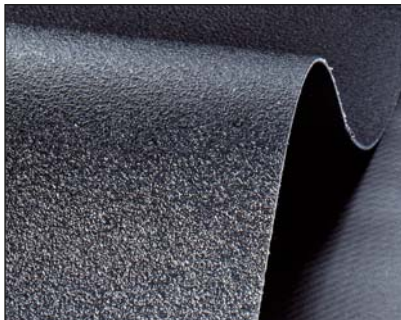
INSULATOR's tough reinforcing layer of pebble-grained DURATHON fabric acts like one continuous pleat, running the full length of the side pads. Trucks slide against the friction-resistant surface instead of chewing into the "stickier" fabrics used on most traditional dock seals. No wear pleats means better sealing efficiency over time, a more attractive loading dock, and significantly lower dock seal maintenance and repair costs.

Extend seal life even further.

With optional Motion-Backer™ technology, side pads travel up and down in maintenance-free channels. Pads move with the trailer as bed height fluctuates, resulting in less friction, less wear and greater durability for a longer life.

Keep your facility safe.

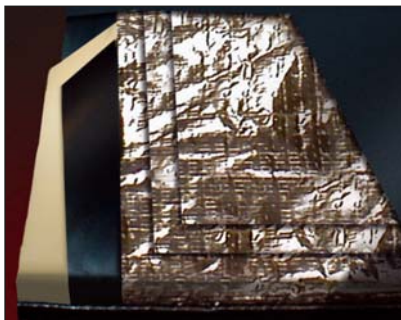
INSULATOR dock seal headers are built with the industry's safest, most reliable technology to prevent burning from trailer marker lights. The triple-layer foil construction of FIREFIGHTER™ headers dissipates the heat from trailer marker lights, preventing excessive heat build-up that can lead to gradual burning or sudden combustion of dock seal components. FIREFIGHTER technology keeps temperatures below the point at which burning of head pad fabric can occur. Safer than ordinary fire-retardant materials, FIREFIGHTER headers are guaranteed not to burn from the heat of trailer marker lights, protecting your seals, building, trailers, products and people for years to come. For more information on how and why dock seals burn, visit www.dockfires.com.



Friction-resistant Durathon fabric.



Optional vertical-motion backers.



Heat-dissipating Firefighter™ headers prevent the risk of dock fires due to heat build-up from trailer marker lights.



See your Rite-Hite Representative today.

Or visit our website, www.ritehite.com, for more information on the full line of Frommelt dock seal and shelter solutions.

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A revolutionary new way to seal dock openings.

Exclusive Firefighter™ header seal

combines fire-retardant foam with three layers of foil material to dissipate heat across the entire header pad, eliminating the possibility of burning from hot trailer marker lights. Also available in head curtain and side pads.

All-weather TechSteel™ backers

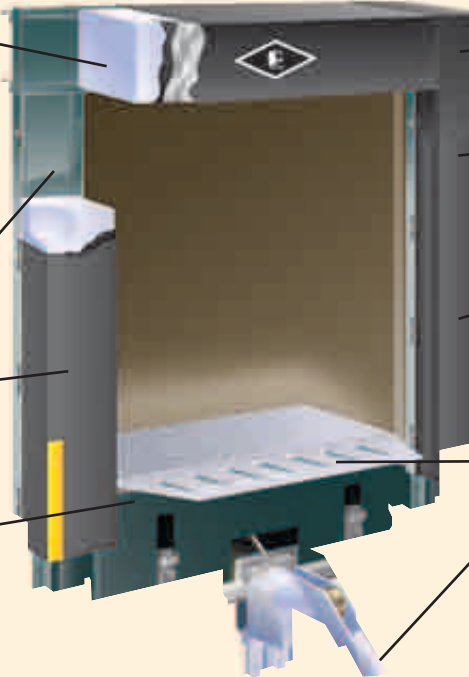
eliminate potential problems of warp, rot and decay of wood backers.

Vertical-motion side pads

with Motion-Backer™ technology travel up and down with trailer for superior durability.

Insulator™ bottom seal

works as a system with Rite-Hite hydraulic levelers to control energy loss through the dock pit opening. Also helps keep out debris.



Corner boot reinforcement helps ensure long life in high-traffic situations.

No pleats needed

System provides rugged durability, improved appearance and long life without pleats.

Unique Durathon™ fabric

provides outstanding flexibility and longer wear. Also provides full-height reinforcement on the inside of the side pads.

Rite-Hite Safe-T-Lip® levelers and Dok-Lok® vehicle restraints provide optimum safety.

One Standard-Setting Feature After Another.

In keeping with Frommelt tradition, the INSULATOR system sets new standards for the dock sealing industry, with a combination of unique and innovative features likely to remain unmatched for many years to come. Trailers simply can't cause the same damage to an INSULATOR seal that they can to ordinary foam seals. And dock door and leveler pit openings simply can't be sealed more effectively.



Superior Environmental Control.



Unsealed leveler pit.



INSULATOR bottom seal with optional corner bottom pads.

Problem: When the area under the dock leveler isn't sealed, not only can energy escape, debris can enter; resulting in:

- Higher energy costs
- Difficult pit cleanout and leveler maintenance

Solution: The INSULATOR system is the first and only true, four-sided sealing system available. Its energy-saving INSULATOR bottom seal works with the Rite-Hite hydraulic leveler to close the gaps at the front of the dock leveler pit. Heating and cooling energy stays in and debris stays out.

Superior Durability.

Problem: Repeated up-and-down movement during loading and unloading – especially with popular air-ride trailers – wears traditional side pads, resulting in:

- Fraying and tearing of reinforcement pleats
- Unsightly seals
- Costly maintenance and replacement



Motion-Backer side pad technology.

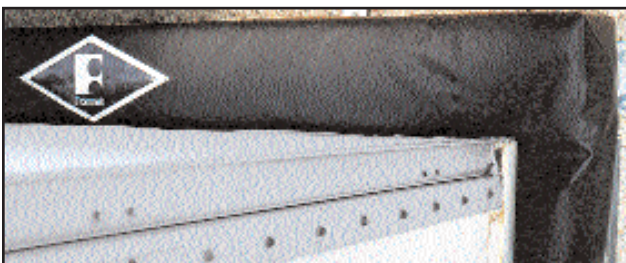


Durathon fabric.

Superior Safety.



Fire-retardant foam isn't designed to keep a fire from starting.



Firefighter header seal.

Solution: Vertical-motion Side Pads

With revolutionary Motion-Backer technology, side pads travel up and down in maintenance-free channels. Pads move with the trailer as bed height fluctuates. The result: less friction, less wear and greater durability for a longer life.

Solution: Durathon Fabric Proprietary tri-polymer coating provides outstanding flexibility and longer wear. And the textured, pebble-grain finish offers better scuff resistance. Fabric runs full-height on inside of side pads for additional reinforcement.

With these remarkable durability features, INSULATOR dock seals don't need wear pleats.

Problem: When trailer marker lights stay in contact with traditional foam head pads, the heat they create can reach 900° F in as little as 20 minutes. Head pads can smolder and burn, resulting in:

- Expensive downtime
- Seal repair and replacement costs
- Potentially severe building and property damage
- Safety concerns

Solution: Firefighter Header Seals

Unique Firefighter head pads and head curtains with heat dissipation technology virtually eliminate the threat of costly fire damage from trailer marker lights. Also available in side pads.

All the advantages you need in one system.

Product Profile.

Insulator System



FROMMELT INSULATOR™ DOCK SEALING SYSTEM — THE TIGHTEST SEAL AVAILABLE

Situation: High-pressure on wall. Compatible with standard OTR trailers, containers and reefers.

Environmental Efficiency: 90-95% with roll-up door or hinged door.

Access: As with all conventional foam seal products, access to the trailer opening can be restricted. Optional beveled panels allow more accessibility.

Long Life: Impactable. Highly resistant to wear. Easily repaired (damage from restricted-access impacts can reduce life).

Part of an Integrated Dock System.

Rite-Hite's full line of loading dock products work together to maximize safety and productivity. The industry's widest and strongest representative network will work to serve your specific needs. Consult your local Rite-Hite Representative for a free Energy Loss Analysis and to learn more about the INSULATOR system and other Frommelt energy-saving solutions.



FROMMELT® Dock Seals and Shelters

Top-quality designs to maintain environmental control and protect products, equipment and personnel.

WORKHORSE™ Sectional Doors

Impactable dock door with Break-Thru™ safety system.

DOK-LOK® Vehicle Restraints

The industry standard for helping to prevent trailer separation accidents.

SAFE-T-LIP® Levelers

Help prevent forklift drop-off accidents at vacant docks.

SYSTEM OPTIONS:

A design to meet your needs.



Foam Head Pad

- Exclusive Firefighter™ design
- Tightest seal for consistent-height traffic
- Limited access
- Limited to lower door heights



Adjustable C-Curtains

- Exclusive Firefighter™ design
- Simple height adjustment
- Easy-to-match trailer opening for better access
- Lets you seal top of trailer at high door openings
- 80% sealing efficiency



Integral Hood

- Diverts water running down side of building
- Protects seal against damage from rain, snow, ice
- Extends life of seal
- Metal or fabric stand-alone styles also available



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FROMMELT® RainGuard™ RG-3000 Header Seal



RainGuard header tightly seals the top of the trailer, blocking water without restricting access

Get maximum sealing efficiency

Protect personnel and property

Eliminate product and property damage

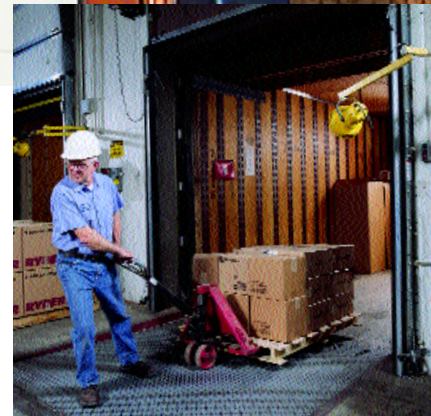
Improve comfort and productivity

Increase loading dock safety

Retrofit a variety of existing seal and shelter designs

Keep bad weather outside, improve safety and productivity inside, with the remarkable RainGuard header seal.

Protect your products, personnel and productivity against the elements with the Frommelt® RainGuard™ header seal from Rite-Hite. The unique design of the RainGuard RG-3000 delivers



the highest sealing efficiency at the trailer top against rain, snow, sleet and wind. And that means a safer, more comfortable, more productive work environment at your dock.

RITE·HITE®

Here's how RainGuard protects your productivity and profits.

The Problem:



While ordinary header seals provide some protection against rain, they typically allow water into the dock area, especially with a declined approach.



Poor seals can mean wet, icy floors and levelers – hazardous to personnel and equipment.



Inadequate seals can cause water damage and product contamination.

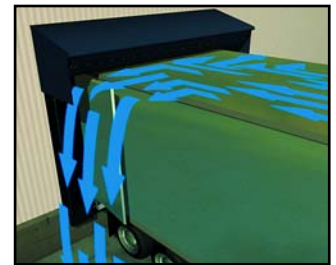
The Solution:



The RainGuard RG-3000 header seal gives your dock the best protection, providing a safer, more productive environment.



Ordinary head curtains cannot prevent "Funnel Effect" when trailers approach down a decline during rain.



RainGuard blocks the water out front before it becomes a problem.

Get all the advantages of RainGuard at your dock.

The latest RainGuard RG-3000 design delivers a whole new level of protection to your dock. Advanced technology gives the RG-3000 higher durability and better sealing efficiency than any other rain diverting seal available. A tight, consistent seal

across the full width of the trailer top, plus built-in protection against damage and wear, make the RainGuard RG-3000 your best guaranteed value. Products, people and equipment stay dry with the rugged RainGuard RG-3000.

RainGuard header seals offer more.

Most efficient seal possible across the top of the trailer.

Widest coverage range available (15") to seal variety of trailer heights, typically 12'3" to 13'6".

Automatic positioning ensures optimum efficiency. No manual activation required.

Pivoting canopy header prevents damage to header and seal if trailer comes in higher than expected.

Full, unrestricted trailer height access from inside the dock allows maximum productivity.

Simple design means easy installation and no maintenance.

Weighted, cylindrical sealing member provides consistent, uniform pressure across full width of trailer top.

Flexible front sweep design accommodates taller trailers without damage to unit.

Layered Neotec™ front plates can take thousands of trailer impacts.



Automatic positioning.



RainGuard RG-3000 adjusts automatically to the proper height as the trailer backs in, creating a tight, consistent seal across the full width of the trailer top. Effectively seals short and tall trailers alike.

Protect your existing dock with a RainGuard retrofit.



Improve your work environment.

RainGuard RG-3000 provides the industry's most advanced design to divert rain, sleet and snow, and provide safer, more comfortable and more productive conditions.

Compatible with most seals and shelters.

The RainGuard RG-3000 header seal is designed to work with virtually any existing equipment. So you can quickly upgrade your dock.

RainGuard fits almost all situations.



When space limitations or base unit size present challenges, the RG-3000 can be configured to fit the situation. A smaller projection RainGuard still delivers 11" of coverage range and the ability to seal a wide variety of trailer heights.

Designed to withstand harsh conditions.



RainGuard's unique canopy header is built and tested to withstand extra heavy snow loads. Even in the toughest environments, RainGuard holds up.

Contact your Rite-Hite Representative for more details about the revolutionary RainGuard header seal. It's the ultimate in weather protection. And that can mean more productivity and profits for you.



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FOAM-FIT™ TPL II

L-PAD™ DOCK SEAL

FIREFIGHTER™ Header Protection

Ultra durable header design features heat-dissipating, triple-layer foil construction between fabric layers, eliminating the risk of burning from trailer marker lights. Friction-resistant DURATHON™ face provides ultimate protection against wear.

Rugged ArmorPleats™

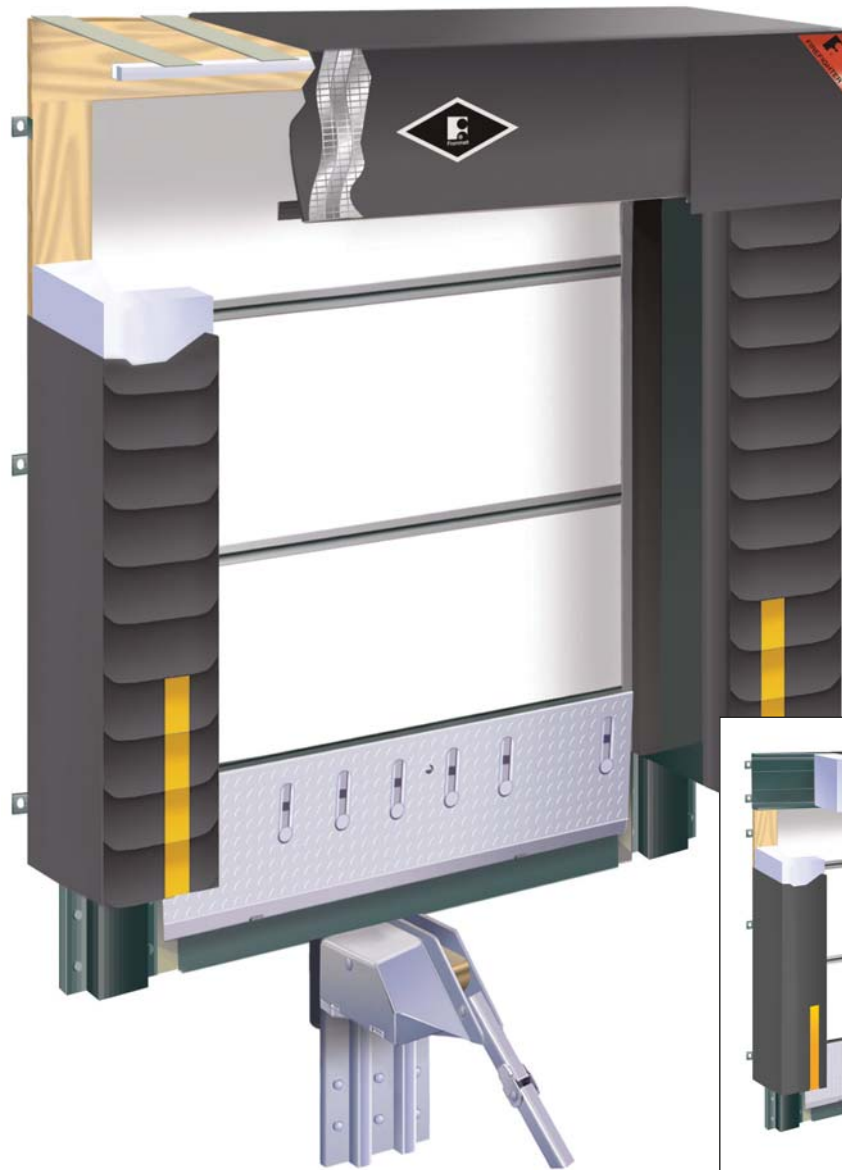
Available on full length of side pads, ArmorPleats provide additional abrasion protection to extend the life of the dock seal. Available in high-strength, friction-resistant DURATHON™ fabric for greatest resistance to wear.

Custom-built Design

Sized and built individually to match the specific conditions of your dock and the trailer traffic you receive, so the fit is right and the seal is tight.

12-Month Money-back Guarantee

Built to Frommelt's high standards for quality and performance, all TPL II dock seals are backed by a full money-back guarantee of customer satisfaction (with proper application and installation).



Model TPLC with C-Curtain and optional ArmorPleats on side pads.



Model TPLP without side-pad ArmorPleats.

OPTIMIZE ACCESS AND MAINTAIN A TIGHT SEAL.

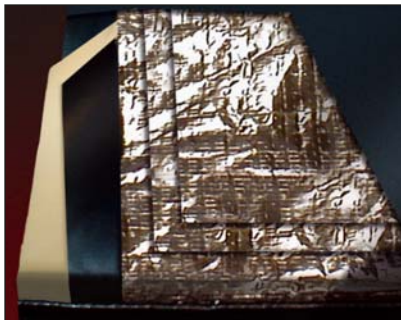
Frommelt L-Pad dock seals are constructed with durable L-shaped foam side pads that flex against the sides of a truck as it backs in, creating an efficient seal without causing foam to protrude into the trailer opening and obstruct access to loads. Plus, standard FIREFIGHTER header protection prevents the risk of burning from trailer marker lights.

RITE-HITE®

FOAM-FIT™ TPL II

Keep your facility safe.

Frommelt TPL II L-Pad headers are built with the industry's safest, most reliable technology to prevent burning from trailer marker lights. The triple-layer foil construction of FIREFIGHTER™ headers dissipates the heat from trailer marker lights, preventing excessive heat build-up that can lead to gradual burning or sudden combustion of dock seal components. FIREFIGHTER technology keeps temperatures below the point at which burning of head pad fabric can occur. Safer than ordinary fire-retardant materials, FIREFIGHTER headers are guaranteed not to burn from the heat of trailer marker lights, protecting your seals, building, trailers, products and people for years to come. For more information on how and why dock seals burn, visit www.dockfires.com.



Heat-dissipating Firefighter™ headers prevent the risk of dock fires due to heat build-up from trailer marker lights.



Step up to SURVIVOR™.

If full access is critical for your loading dock productivity, consider the impactable SURVIVOR poly-frame dock shelter. Rugged Neotec™ HMMWPE side frames can withstand the harshest dock conditions, and complete access to loads is never compromised. It's one of the latest innovations from Frommelt that's redefining durability on the dock.

See your Rite-Hite Representative today.

Or visit our website, www.ritehite.com, for more information on the full line of Frommelt dock seal and shelter solutions.

**RITE-HITE
DOORS**

RITE-HITE®

Frommelt®

Rite-Hite Corporation

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

Mailing Address: Rite-Hite Corporation P.O. Box 245020 Milwaukee, WI 53224 USA

www.ritehite.com

F8TPLSS1006A

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FOAM-FIT™ TPC

DOCK SEAL WITH HEAD CURTAIN

FIREFIGHTER™ Header Protection

Ultra durable head curtain design features heat-dissipating, triple-layer foil construction between fabric layers, eliminating the risk of burning from trailer marker lights. Friction-resistant DURATHON™ face provides ultimate protection against wear.

Adjustable C-curtain

Head curtain with splits provides the flexibility to effectively seal a wide variety of truck heights. Optional pull ropes enable easier adjustment of curtain position.

Rugged ArmorPleats™

Available on full length of side pads, ArmorPleats provide additional abrasion protection to extend the life of the dock seal. Available in high-strength, friction-resistant DURATHON™ fabric for greatest resistance to wear.

Galvanized TechSteel™ backers

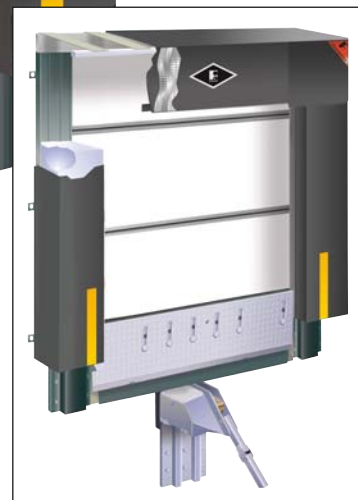
All-weather backers ensure long life and ultimate durability. Treated wood backers also available.

12-Month Money-back Guarantee

Built to Frommelt's high standards for quality and performance, all TPC dock seals are backed by a full money-back guarantee of customer satisfaction (with proper application and installation).



Model TPC with optional ArmorPleats on side pads.



Model TPC without side-pad ArmorPleats.

GET HIGH SEALING EFFICIENCY PLUS
PROTECTION FROM DOCK SEAL BURNING.

Frommelt® Foam-Fit Dock Seals cushion an incoming truck and provide the tightest seal possible between the truck and the loading dock. Plus, standard FIREFIGHTER™ Header Protection prevents the risk of burning from trailer marker lights.

RITE-HITE®

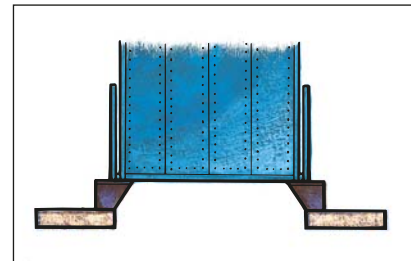
FOAM-FIT™ TPC

Make sure your dock seals fit.

Dock seals must be sized correctly for the specific trailer traffic you receive in order to achieve tight sealing efficiency. Every Frommelt® dock seal is custom-built to meet your specific needs and guaranteed to satisfy.



Tapered pads are best for sloped approaches.



Beveled pads give you more accessibility.

Keep your facility safe.

Frommelt TPC head curtains are built with the industry's safest, most reliable technology to prevent burning from trailer marker lights. The triple-layer foil construction of FIREFIGHTER™ headers dissipates the heat from trailer marker lights, preventing excessive heat build-up that can lead to gradual burning or sudden combustion of dock seal components. FIREFIGHTER technology keeps temperatures below the point at which burning of head curtain fabric can occur. Safer than ordinary fire-retardant materials, FIREFIGHTER head curtains are guaranteed not to burn from the heat of trailer marker lights, protecting your seals, building, trailers, products and people for years to come. For more information on how and why dock seals burn, visit www.dockfires.com.



Step up to INSULATOR™.

For the most durable, longest-lasting dock seal available, consider the Frommelt INSULATOR. Full-height DURATHON™ reinforcing on the front and inside surfaces of the side pads eliminates the need for wear pleats altogether and protects against damage from forklifts and loads. Standard FIREFIGHTER header provides both protection from burning, as well as rugged resistance to damage and wear.



See your Rite-Hite Representative today.

Or visit our website, www.ritehite.com, for more information on the full line of Frommelt dock seal and shelter solutions.

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FOAM-FIT™ TPP

DOCK SEAL WITH HEAD PAD

FIREFIGHTER™ Header Protection

Ultra durable head pad design features heat-dissipating, triple-layer foil construction between fabric layers, eliminating the risk of burning from trailer marker lights. Friction-resistant DURATHON™ face provides ultimate protection against wear.

Rugged ArmorPleats™

Available on full length of side pads, ArmorPleats provide additional abrasion protection to extend the life of the dock seal. Available in high-strength, friction-resistant DURATHON™ fabric for greatest resistance to wear.

Galvanized TechSteel™ backers

All-weather backers ensure long life and ultimate durability. Treated wood backers also available.

12-Month Money-back Guarantee

Built to Frommelt's high standards for quality and performance, all TPP dock seals are backed by a full money-back guarantee of customer satisfaction (with proper application and installation).



Model TPP with optional ArmorPleats on side pads.



Model TPP without side-pad ArmorPleats.

GET HIGH SEALING EFFICIENCY PLUS PROTECTION FROM DOCK SEAL BURNING.

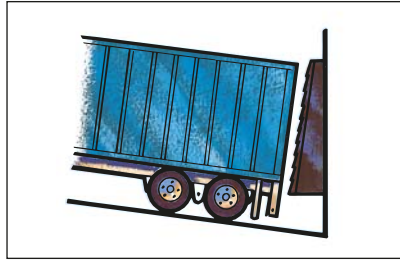
Frommelt® Foam-Fit Dock Seals cushion an incoming truck and provide the tightest seal possible between the truck and the loading dock. Plus, standard FIREFIGHTER™ Header Protection prevents the risk of burning from trailer marker lights.

RITE-HITE®

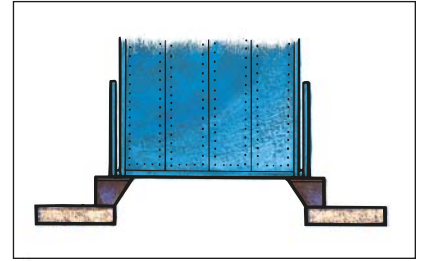
FOAM-FIT™ TPP

Make sure your dock seals fit.

Dock seals must be sized correctly for the specific trailer traffic you receive in order to achieve tight sealing efficiency. Every Frommelt® dock seal is custom-built to meet your specific needs and guaranteed to satisfy.



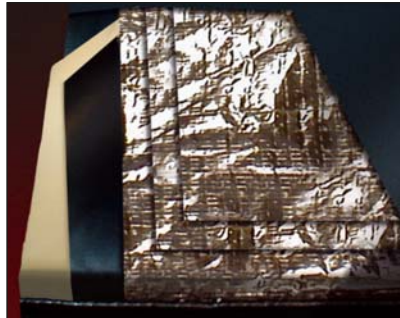
Tapered pads are best for sloped approaches.



Beveled pads give you more accessibility.

Keep your facility safe.

Frommelt TPP head pads are built with the industry's safest, most reliable technology to prevent burning from trailer marker lights. The triple-layer foil construction of FIREFIGHTER™ headers dissipates the heat from trailer marker lights, preventing excessive heat build-up that can lead to gradual burning or sudden combustion of dock seal components. FIREFIGHTER technology keeps temperatures below the point at which burning of head pad fabric can occur. Safer than ordinary fire-retardant materials, FIREFIGHTER head pads are guaranteed not to burn from the heat of trailer marker lights, protecting your seals, building, trailers, products and people for years to come. For more information on how and why dock seals burn, visit www.dockfires.com.



Step up to INSULATOR™.

For the most durable, longest-lasting dock seal available, consider the Frommelt INSULATOR. Full-height DURATHON™ reinforcing on the front and inside surfaces of the side pads eliminates the need for wear pleats altogether and protects against damage from forklifts and loads. Standard FIREFIGHTER header provides both protection from burning, and rugged resistance to damage and wear.



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ALPHA DOOR SYSTEMS INC.

BUMPERS

ALPHA DOOR SYSTEMS INC. - OVERHEAD DOOR INSPECTIONS

Job # _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____
E-mail: _____

MANUFACTURE: _____ DOOR SIZE: _____
F.Y. _____ BL/JET _____ OPERATOR: _____ HP _____ V _____ P.H. _____

DOOR DOOR CHECK LIST	GOOD	FAIR	POOR	UNSAFE
1. CHECK FOR WEAR				
2. CORRECT TENSION AND WELL BALANCED				
3. CHECK SHAFY FOR LOOSE PARTS OR SIGNS OF WEAR				
4. TIGHTEN AND INSPECT DOOR HARDWARE				
5. TIGHTEN AND INSPECT GUIDES AND TRACKS				
6. MANUALLY OPERATE DOOR AND CHECK OPERATION				
7. LUBRICATE ROLLERS, BEARINGS, ETC.				
8. APPLY DOOR FOR SEAL ON FLOOR				
9. CHECK CONDITION OF WEATHERSTRIP MATERIAL				
10. INSPECT SPRINGS FOR SIGNS OF COLLAPSE				
11. INSPECT AND TIGHTEN CONES, DRUMS, COILS, ETC.				
12. APPLY SERVICE DECAL (NUMBER DOOR 1)				
13. CHECK DOOR JACK FOR DAMAGE (OUTSIDE)				
14. CHECK DOOR JACK FOR DAMAGE (INSIDE)				
15. CHECK DOOR JACK FOR DELAMINATING ETC. (INSIDE)				
16. REPLACEMENT PARTS REQUIRED:				
MODEL _____				
QTY _____				
SIZE _____				

17. COMMENTS:

ELECTRICAL OPERATORS

18. CHECK CONDITION OF ALL BELTS				
19. CHECK ALL OPERATOR BEARINGS				
20. CHECK ALL SPRINGS AND CHAINS				
21. CHECK MOUNTING DRUMS TIGHT, WELDED CRACKS				
22. INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS				
23. CHECK ALL CONTROL DEVICES AND SAFETY FEATURES				

24. IS DOOR LOCKED OUT? ALPHA LOCK _____ OTHERS LOCK _____

Legend:
Good: Parts have been checked and are currently meeting in a safe and efficient manner.
Fair: Parts have been checked and may require future maintenance.
Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in Item 17.
Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked-out)

Reviewed With Customer: _____ Date: _____

Maintenance dot

Dock Bumpers

RITE·HITE®

Protect your investment.

Rite-Hite's complete line of heavy-duty dock bumpers can help provide solutions for every loading dock application at your facility or warehouse.

Loading dock bumpers by Rite-Hite® have unlimited applications in factories, warehouses, and at loading docks. They are a critical part in maximizing material handling flow.

Rite-Hite's dock bumpers can be used for:

- Projecting above low docks.
- Protecting building walls, and loading dock equipment.
- Minimizing concrete failure.
- Wall and corner guards to protect against fork lifts.
- Applied directly to trucks and equipment.

They can be used in any material handling operation where maximum protection is required.

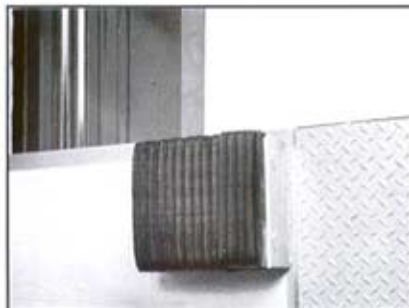
Best of all, every Rite-Hite dock bumper comes complete with a limited warranty.



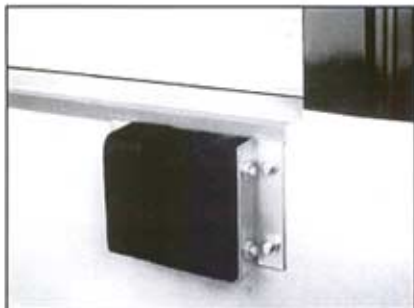
DokSaver™ Loading Dock Bumpers



Steel Faced Bumpers



Laminated Dock Bumpers - Flat Plate



Laminated Dock Bumpers - Angle



Extra-Length Bumpers



Extra-Thick Laminated Bumpers

RITE·HITE

Laminated Rubber Dock Bumpers

Uses/Applications

- Comes in two models: Bumpers with angles for most applications—equipped with 3/8" steel angles on both ends, and bumpers with flat plate for use with dock levelers. Optional 3/8" flat steel plate for one or both ends.
- Have unlimited applications in factories, warehouses, and docks:
 - Projecting above low docks.
 - Rub rails at the sides of truck wells.
 - Special construction features to accommodate unusual anchoring conditions.
 - Wall bumpers to protect against fork lift trucks.

Material/Thickness

- Fabric reinforced rubber pads cut from selected recycled truck tires.
- Rubber pads laminated between structural steel angles and secured with 3/4" steel tie rods.
- Rubber pads 4" or 6" thick.

Specifications

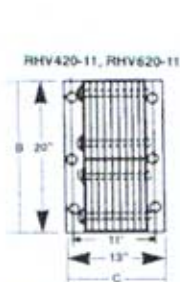
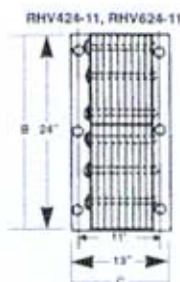
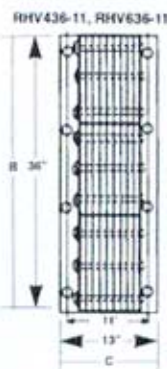
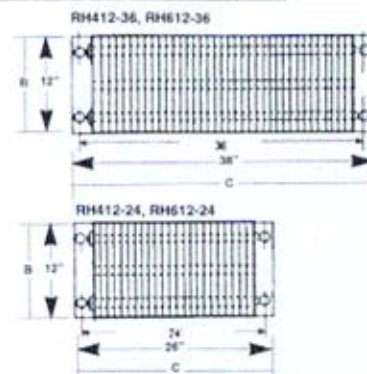
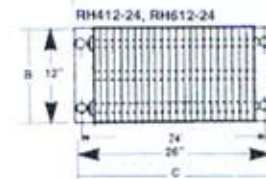
- Manufactured under pressure exceeding 1,500-lbs. to absorb over 80% of the impact.
- Angles or plates are welded to 3/4" rods at one end and closed with threaded rod and nut at the other end.
- Anchor leg of angle extends a minimum of 3" beyond the rubber surface at either end and contains two or three 13/16" anchor bolt holes as required. (Anchor bolts are not supplied.) Finish for exposed metal parts is black shop primer.

4" Projection Models

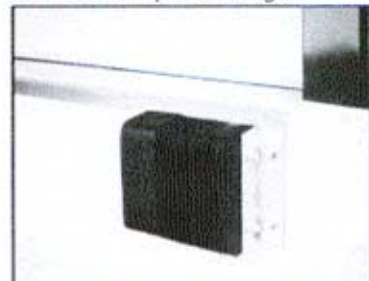
Model	Sizes BXC	Weight Lbs.
RH412-12	12" x 12"	31
RH412-14	12" x 14"	35
RH412-18	12" x 18"	44
RH412-24	12" x 24"	58
RH412-36	12" x 36"	84
RHV420-11	20" x 11"	46
RHV424-11	24" x 11"	56
RHV430-11	30" x 11"	62
RHV436-11	36" x 11"	85

6" Projection Models

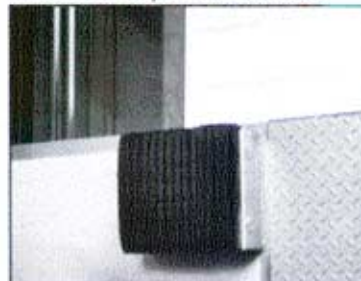
Model	Sizes BXC	Weight Lbs.
RH612-12	12" x 12"	34
RH612-14	12" x 14"	39
RH612-18	12" x 18"	50
RH612-24	12" x 24"	72
RH612-36	12" x 36"	105
RHV620-11	20" x 11"	53
RHV624-11	24" x 11"	64
RHV630-11	30" x 11"	72
RHV636-11	36" x 11"	86



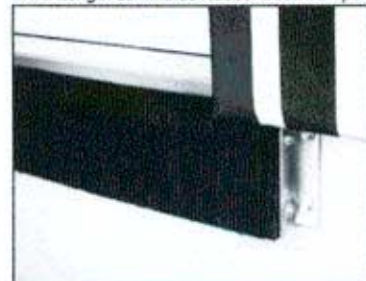
Laminated Bumper With Angle



Laminated Bumper With Flat Plate



Extra-Length Laminated Rubber Dock Bumper*



- Extra-Length Dock Bumpers Are Available Upon Request
- All Rite-Hite Laminated Dock Bumpers Come With A 2-year Limited Warranty
- All Mounting Holes 7/8" Diameter

Extra-Thick Laminated Rubber Dock Bumpers

Uses/Applications

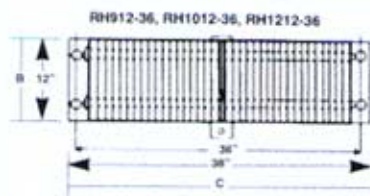
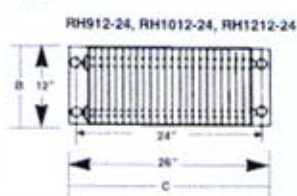
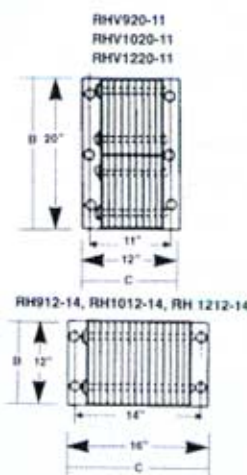
- For installation where dock seals are extra thick.
- Where greater "stand-out distance" from dock sills is required due to decline approach, canopied docks, overhangs, or other architectural features.

Material/Thickness

- Same strong construction of uniform size, fabric reinforced rubber pads cut from selected recycled truck tires as standard laminated bumpers.
- Made of tough rubberized fabric pads 9", 10 1/2" and 12" thick.

Specifications

- All bumpers are closed with two 3/8" steel formed plates under approximately 1,500-lbs. of pressure.
- Angles are welded to 3/4" rods at one end and closed with threaded rod and nut at the other end. Flat plates are available.
- Anchor leg of angle extends a minimum of 3" beyond the rubber surface at either end and contains two or three 13/16" anchor bolt holes as required. (Anchor bolts are not supplied.) Finish for exposed metal parts is black shop primer.



9" Projection Models		
Model	Sizes BXC	Weight Lbs.
RH912-12	12" x 12"	75
RH912-14	12" x 14"	81
RH912-18	12" x 18"	92
RH912-24	12" x 24"	118
RH912-36	12" x 36"	130
RHV920-11	20" x 11"	105
RHV924-11	24" x 11"	124

10" Projection Models		
Model	Sizes BXC	Weight Lbs.
RH1012-12	12" x 12"	86
RH1012-14	12" x 14"	89
RH1012-18	12" x 18"	101
RH1012-24	12" x 24"	122
RH1012-36	12" x 36"	198
RHV1020-11	20" x 11"	120
RHV1024-11	24" x 11"	130

12" Projection Models		
Model	Sizes BXC	Weight Lbs.
RH1212-12	12" x 12"	90
RH1212-14	12" x 14"	98
RH1212-18	12" x 18"	118
RH1212-24	12" x 24"	142
RH1212-36	12" x 36"	208
RHV1220-11	20" x 11"	140
RHV1224-11	24" x 11"	158

Steel Faced Dock Bumpers

Uses/Applications

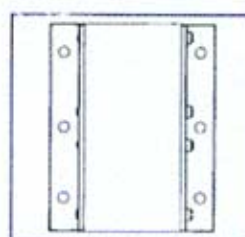
- Use in docking areas where excessive friction from up-and-down trailer movement occurs, yard jockeys, etc.
- Can be used in any material handling system area where maximum dock protection is required.

Material/Thickness

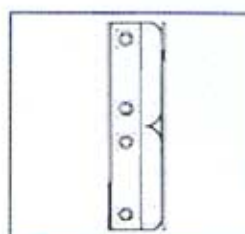
- Steel face is 3/8" thick heavy-duty, high-carbon steel that is mounted to standard laminated dock bumper.
- Also available in extra-thick sizes of 9", 10", and 12".
- Can be mounted in various heights from flush mount to 12" above dock, depending on highest impact area.

Specifications

- Bumpers to have 3/8" steel plate equal to the rubber surface dimensions. Plate to be welded to 2 steel support brackets which are extended back to the 3/4" supporting rods. Brackets are punched with elongated holes to allow steel face to "float" upon impact.
- Rite-Hite Steel Faced Bumpers have 5-year limited warranty.



Steel Faced Bumper
Front View



Steel Faced Bumper
Side View

4" Projection Models		
Model	Sizes BXC	Weight Lbs.
RH412-14SF	12" x 14"	58
RH412-18SF	12" x 18"	72
RH412-24SF	12" x 24"	90
RH412-36SF	12" x 36"	145
RHV420-11SF	20" x 11"	75
RHV424-11SF	24" x 11"	90
RHV436-11SF	36" x 11"	155

6" Projection Models		
Model	Sizes BXC	Weight Lbs.
RH612-14SF	12" x 14"	62
RH612-18SF	12" x 18"	78
RH612-24SF	12" x 24"	105
RH612-36SF	12" x 36"	166
RHV620-11SF	20" x 11"	83
RHV624-11SF	24" x 11"	100
RHV636-11SF	36" x 11"	160

DOKSAVER™ DOCK BUMPER

Protect your loading dock.

Introducing a loading dock bumper that minimizes loading dock repairs. Rite-Hite's revolutionary DokSaver dock bumper withstands the impact and abuse trailer after trailer, year after year.

DISTRIBUTES IMPACT EQUALLY

DokSaver's proprietary "cap" design helps distribute load pressures equally throughout the 1/2" thick high-carbon steel face cap.

MINIMIZES MAINTENANCE REPAIRS

Rite-Hite's DokSaver dock bumper distributes load pressures over the entire back plate, an area 5 times greater than a standard bumper, to minimize potential anchor and concrete problems.

"CAP" DESIGN WITHSTANDS BLOWS

An innovative 21st century design, featuring a "cap" construction, is engineered to free float for even the most abusive docks.

EASILY HANDLES TRAILER IMPACTS

The DokSaver loading dock bumper is manufactured to withstand 75,000-pounds of impact pressure caused by trailers.



Protect your \$20,000 investment!

Rite-Hite's proprietary DokSaver™ loading dock bumper helps protect your facility by distributing the pressure caused by trailers equally throughout the bumper's face cap, minimizing any potential damage to dock equipment, building walls, and foundations.

Rite-Hite's DokSaver™ bumper also comes complete with an exclusive **10-year limited warranty** which is unmatched in the material handling industry!

Patent pending

RITE·HITE®

DOKSAVER™ DOCK BUMPER

USE/APPLICATION

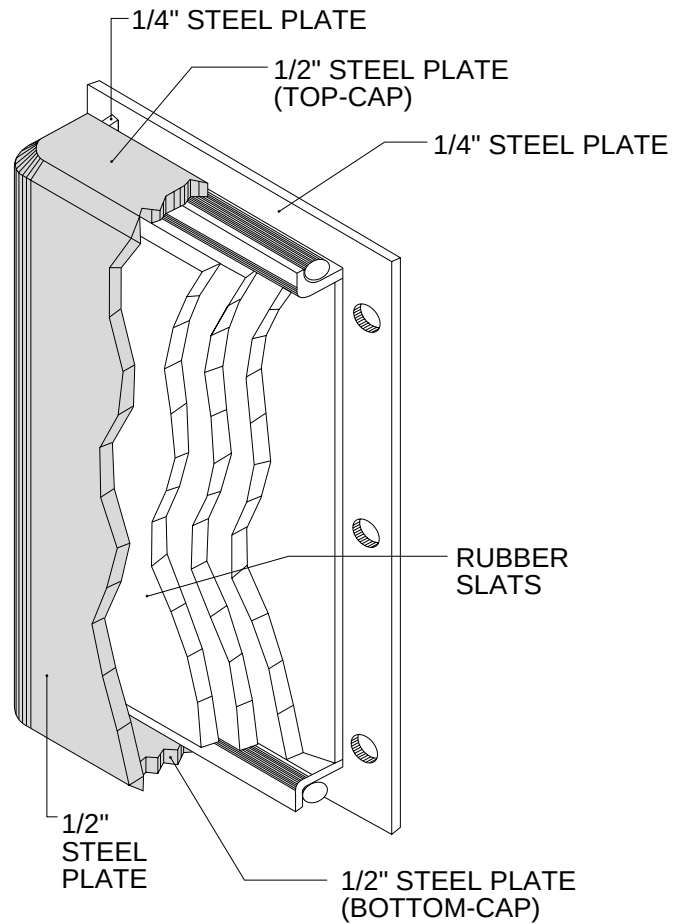
- Used on high traffic loading docks where excessive friction from up-and-down trailer movement occurs (yard jockeys, air ride trailers, etc.)
- Can be used in any material handling system area where maximum dock protection is required.

SPECIFICATIONS

- Steel face shall be a box construction, and be made of 1/2" thick heavy-duty high-carbon steel that is completely enclosed and "floats" upon impact.
- Loading dock bumper shall have the ability to withstand 75,000 pounds of pressure.
- Bumper shall have a **10-year limited warranty**.
- Loading dock bumper shall have the ability to distribute load pressure equally throughout the face cap.
- Loading dock bumper shall have a completely enclosed proprietary design.

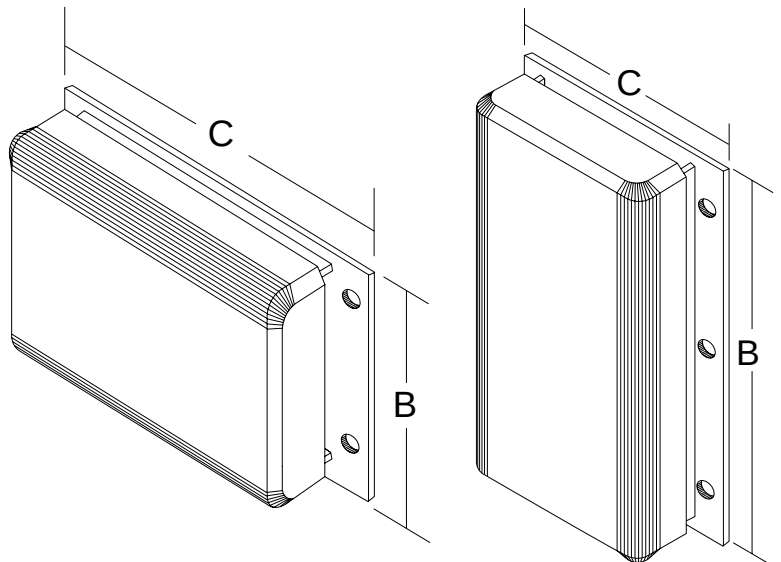
INSTALLATION

- Easy installation—3/4" anchor bolts mounted through pre-drilled holes into dock or can be welded to curb angle.

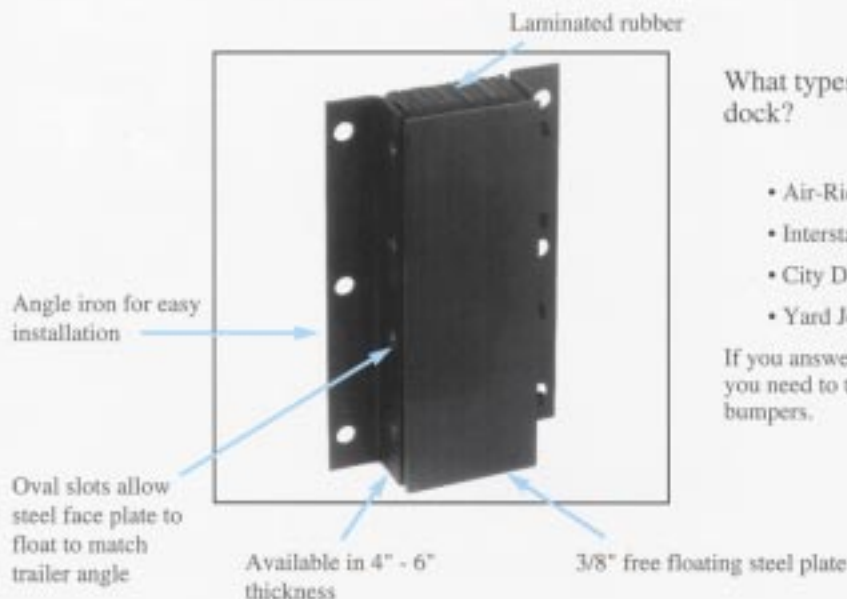


BUMPER MODEL	PROJECTION A	SIZE B x C	NO. OF BOLTS	EST. WEIGHT (LBS.)
DS412-14	4"	12 x 13.5	2	58
DS412-18	4"	12 x 17.5	2	72
DS412-24	4"	12 x 23.5	2	90
DS412-36	4"	12 x 35.5	2	145
DSV420-11	4"	20 x 10.5	3	85
DSV424-11	4"	24 x 10.5	3	90
DSV436-11	4"	36 x 10.5	4	155
DS612-14	6"	12 x 13.5	2	62
DS612-18	6"	12 x 17.5	2	78
DS612-24	6"	12 x 23.5	2	105
DS612-36	6"	12 x 35.5	2	166
DSV620-11	6"	20 x 10.5	3	90
DSV624-11	6"	24 x 10.5	3	100
DSV636-11	6"	36 x 10.5	4	160

Please Note: All bolt holes are placed 1" from edge of the back plate.



LOADING DOCK STEEL FACE BUMPER



What types of trailers come into your loading dock?

	YES	NO
• Air-Ride Trailer	☐	☐
• Interstate - Truck	☐	☐
• City Delivery - Van	☐	☐
• Yard Jockeys	☐	☐

If you answered YES to any of these questions then you need to take a close look at your loading dock bumpers.

Durable, long-lasting steel face bumpers protect your loading dock.



"Trailer beds equipped with air-ride suspensions can move up or down 2" - 8" during loading/unloading."

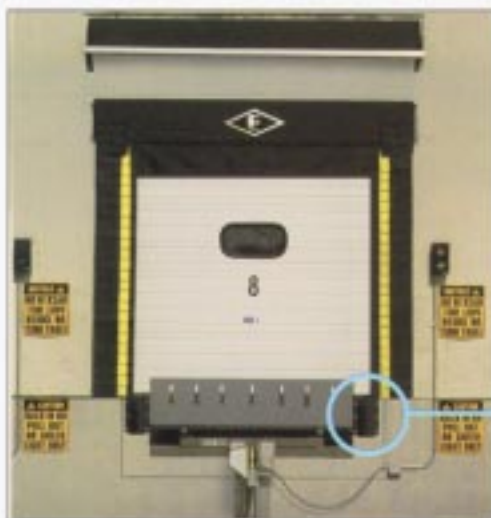


Yard jockeys apply tremendous force on a dock bumper when a trailer is lifted or placed.



Bumper failure causes costly concrete repair, damage to dock equipment and building damage.





Steel face bumpers protect your building from today's high impact, high stress loading dock needs.



SPECIFICATIONS

Steel Face Bumper

Available Sizes	Part No.
*11" x 24" x 4" thick	56597
11" x 20" x 4" thick	56596
18" x 12" x 4" thick	56598
14" x 12" x 4" thick	56599

*Recommended, due to vertical height of 24" steel face bumper which can service interstate truck trailer, city delivery truck, yard jockey, and Air-Ride trailer.

Steel Face Bumpers also available in 6" thickness.

Protect your loading dock investment with Rite-Hite® Steel Face Bumpers

The Aftermarket Products line by Rite-Hite® offers solutions to many of today's maintenance and safety problems.

These are just a few of our Aftermarket Products . . .



RITE-FLEX™
Flexible replacement
door panel



TRAK-GUARD™
Impact barrier



GAP-SEALR™
Door bottom edge
weather seal



HOLD IT*
Dock leveler hold
down update



LIP EXTENSION
Dock leveler lip extension
update



RECOVER
Dock seal/shelter recovers

Dok-Solid™



Rite-Hite® Representatives offer Dok-Solid™ planned maintenance programs, for your loading dock equipment and power doors.

*Other Product/Service Programs

**RITE
HITE**

RITE-HITE® is a registered trademark of the RITE-HITE Corporation.

RITE-HITE® reserves the right to make product improvements without prior notice.

Contact RITE-HITE Corporation, 8900 N. Arbon Dr., P.O. Box 23043, Milwaukee, WI 53223 (414) 355-2600 Fax: (414) 355-9248
☎ 1-800-456-0600

ALPHA DOOR SYSTEMS INC.

TRUCK LIFTS

ALPHA DOOR SYSTEMS OVERHEAD DOOR INSPECTIONS Job # _____
1400 Crest Drive, Chaska, MN 55309 Phone 218 639 1618 Fax 218 639 2572
CUSTOMER: _____ BUILDING: _____ DOOR # _____
DOOR TYPE: _____ DOOR SIZE: _____ OPERATOR: _____ HP _____ V _____ P.H. _____
LIFT: _____

	GOOD	FAIR	POOR	UNSAFE
1. CHECK DOOR FOR LOOSE PARTS, BUSHES OR WEAR				
2. CHECK SPRINGS FOR SIGNS OF COLLAPSE				
3. CHECK ROLLERS, BEARINGS, ETC.				
4. CHECK CONDITION OF WEATHERSTRIP MATERIAL				
5. INSPECT AND TIGHTEN CONES, BOLTS, COPIES, ETC.				
6. APPLY SERVICE DECAL (NUMBER DOOR 1)				
7. CHECK DOOR FOR DAMAGE (OUTSIDE)				
8. CHECK DOOR SECTIONS FOR DELAMINATING ETC. (INSIDE)				
9. REPLACEMENT PARTS REQUIRED:				
MODEL _____				
QTY _____				
SIZE _____				

10. COMMENTS: _____

ELECTRICAL OPERATORS

18. CHECK CONDITION OF ALL BELTS				
19. CHECK ALL OPERATOR BEARINGS				
20. CHECK ALL SPRINGS AND CHAINS				
21. CHECK MOUNTING BUSHES TIGHT, WELDED CRACKS				
22. INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS				
23. CHECK ALL CONTROL DEVICES AND SAFETY FEATURES				

24. IS DOOR LOCKED OUT? ALPHA LOCK _____ OTHERS LOCK _____

Legend:
Good: Parts have been checked and are currently meeting in a safe and efficient manner.
Fair: Parts have been checked and may require future maintenance.
Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in Item 10.
Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked-out)

Reviewed With Customer: _____ Date: _____

Alpha Door Systems Inc.

THINMAN™ Truck Leveler/Vehicle Restraint

Increased productivity

Eliminates pit wall and bumper obstructions to efficiently access below-dock loads. By providing full, unobstructed access to the trailer, loading and unloading operations continue safely and smoothly.

Low-profile design

1-1/8" collapsed height eliminates bumper override. No need for a below-grade pit.

Easy installation

Surface mounting does not require a costly trench or additional drainage.

Safe, reliable restraint

Integrated GLOBAL WHEEL-LOK™ restraint positions automatically as trailer backs in to help prevent separation from the dock during loading and unloading.

Safe sequence of operation

Truck leveler and vehicle restraint are interlocked to ensure proper and safe operation.

Consistent on-center trailer positioning

Two wheel guides help ensure accurate alignment to protect building and enhance dock seal effectiveness.



Increase productivity with full, unobstructed access to virtually any trailer, any load.

When you need full access to the trailer for loading and unloading operations, here's the easy way to service and secure a variety of trailers at existing loading docks. The innovative surface-mounted THINMAN™ truck leveler allows you to lift and position the trailer bed, clear from bumper or pit wall obstructions. By incorporating the GLOBAL WHEEL-LOK™ vehicle restraint, the THINMAN system offers the ultimate in versatility to safely serve a wide variety of trailers, including lift gates and drop frames. Ask your Rite-Hite Representative for more information about the THINMAN truck leveler and the GLOBAL WHEEL-LOK vehicle restraint.



With this low-profile design, there's no need to build a costly below-grade pit.

RITE·HITE®

SPECIFICATIONS

THINMAN™ SYSTEM

NOMINAL DIMENSIONS:

The THINMAN™ truck leveler platform is 20' long x 11' 10" wide.

CAPACITY:

THINMAN truck leveler standard structural lifting capacity: 60,000 lbs.

GENERAL DESCRIPTION:

The THINMAN truck leveler and GLOBAL WHEEL-LOK™ (GWL-2000) restraint are designed to secure virtually any trailer type, with or without an ICC bar, to the dock, by engaging the driver's side rearmost tire with an integral steel barrier. Ability to resist pullout forces in excess of 32,000 lbs. allows restraint of virtually any trailer with tires from 30" to 40" in diameter. Consult your RITE-HITE® Representative for details.

12-MONTH MONEY BACK SATISFACTION GUARANTEE:

In addition to all other warranties, RITE-HITE® will provide a written guarantee that the equipment will perform in a manner satisfactory to the Owner for a period of 12 months after date of installation. If the Owner is not satisfied with the performance of the equipment, the Owner may notify RITE-HITE® and RITE-HITE® shall remove the equipment and refund the equipment purchase price to the Owner. All warranties are subject to standard limitations on liability. Consult your RITE-HITE® Representative for details. In addition, the THINMAN truck leveler includes a standard five-year structural and hydraulic warranty, all other components are one-year parts, one-year labor.

OPERATION:

As the truck approaches the loading dock, it positions between the dual wheel guides. It then contacts the restraint's trigger device which begins moving toward the dock using the energy of the trailer. This enables the locking arm to size the tire and rise to its full height on the rearmost tire. When the trailer is in position, the attendant pushes the "Lock" button on the control panel inside the building, which activates the locking assembly. Inside and outside red and green communication lights signal that the trailer is engaged.

The restraint is interlocked with the truck leveler so that after engagement, the truck leveler controls are enabled and the dock attendant pushes the "raise" button allowing the trailer bed to be positioned to the desired height. When loading and unloading is complete, the dock attendant pushes the "lower" button to store the truck leveler. After the truck leveler is stored, the restraint controls are enabled and the dock attendant pushes the "unlock" button to release the restraint. After the locking assembly is disengaged, communication lights change to indicate truck is no longer engaged and is free to move forward. Unit allows for manual release using standard hand tools in the event of a power failure.

Operating range is 26" above grade at the rear of the platform, provided by dual 24" stroke cylinders.

CONSTRUCTION:

The unit is constructed entirely from carbon steel and consists of 12" structural side beams with a 5" tall (4" off the traffic surface) fabricated steel structure in the center, and rear header sections. The entire unit has all of its structural components positioned above grade which eliminates the need for a pit.

SAFETY FEATURES:

The THINMAN truck leveler and the GWL-2000 vehicle restraint are interlocked. Communication System: Outside system includes full-time flashing red or green lights with signs to warn the truck driver when it is safe to back in or pull out. Inside, full-time flashing red or green lights with signs tell the dock attendant when it is safe to perform loading/unloading operations. The inside lights are in the opposing mode to the outside lights. System also includes an inside audible alarm which sounds if the unit is unable to achieve its full restraining height. An override allows for horn silencing. Automatic Tire Sizing: The system automatically sizes the tire to help provide maximum restraint.

A non-adjustable, hydraulic velocity fuse limits platform free-fall in case of hose failure.

STANDARD FEATURES:

1-1/8" collapsed height of the traffic surface.

12" debris guards close off sides when truck leveler is in use.

The 12" structural guard is 3/16" steel and is bolted to the approach next to platform.

Integral lifting lugs included for easy placement.

Entire platform has gray enamel paint with the wheel guides painted safety yellow enamel paint.

All hinge pins and cylinder pins are stainless steel.

HYDRAULICS:

The platform is raised by dual 4" ID hydraulic cylinders with 2 1/2" OD solid rods with spherical bushings mounted to the cylinder rods. The spherical bushings absorb any side movement of the platform increasing cylinder seal life. The hydraulic pump, manifold, and oil reservoir are contained in an integral assembly. Hoses are routed in the leveler platform, away from debris. Unit uses Mil H-5606 hydraulic fluid.

ELECTRICAL:

The totally enclosed, fan-cooled motor is rated at 208/240 or 440/480V, 60 Hz, 3 phase, 7.5 Hp. The GWL-2000 vehicle restraint operates off a separate 120V, 60 Hz, 1 phase circuit or can be connected together via an optional DOK-COMMANDER™ control box. All operator controls are mounted in a gasketed, NEMA 12 enclosure. All electrical components, connections and wiring are UL listed or recognized.

Please Note: Unless specifically noted on quotation, all electrical including hook-up is the responsibility of others.

LOADING DOCK BUMPERS:

A minimum of two 4" thick x 10" wide x 36" high steel-faced bumpers are recommended to accommodate the vertical movement associated with the truck leveler. Loading dock bumpers are the responsibility of others.

DOCK SHELTER:

UNI-DOX™ inflatable shelter, interlocked to the THINMAN truck leveler/GWL vehicle restraint system will provide the optimum flexibility. The ELIMINATOR™ shelter with inflatable head pad is also available.

Consult your RITE-HITE Representative for further information.

Ask your Rite-Hite Representative for more details on a Planned Maintenance Program.

RITE-HITE® Dock Levelers, DUAL-DOK® Lift/Leveler, THINMAN™ Truck Leveler/Vehicle Restraint, DOK-LOK® and WHEEL-LOK™ vehicle restraints and SAFE-T-STRUT™ maintenance support system are covered by one or more of the following U.S. Patents: 4,110,860; 4,257,137; 4,286,410; 4,364,137; 4,373,847; 4,379,354; 4,443,150; 4,472,099; 4,531,248; 4,560,315; 4,570,277; 4,605,353; 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,111,546; 5,212,846; 5,271,183; 5,297,921; 5,299,386; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,664,930; 5,702,223; 5,762,459; 5,882,167; 5,964,572. Other U.S. and foreign patents pending.

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RITMTLSS400B

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Mailing Address: P.O. Box 245020, Milwaukee, WI 53224-9520
1-800-456-0600 or 414-355-2600
Fax: (414) 355-9248 www.ritehite.com

RITE-HITE®

ALPHA DOOR SYSTEMS INC.

DOORS

THE MOST COMPLETE LINE OF INNOVATIVE DOOR SOLUTIONS.

ALPHA DOOR SYSTEMS INC. - OVERHEAD DOOR INSPECTIONS
1801 Caroline Road, London, Ontario, N5Y 1S1 • Tel: 519 437 1338 Fax: 519 437 1418 TTY: 800 245 7792

CUSTOMER: BUILDING: DOOR #:

DOOR TYPE/MANUFACTURE: DOOR SIZE: H/W: V: P.H.

LIFT: STD. FVL. H/LIFT. OPERATOR: H/P: V: P.H.

1. CHECK ROLLERS FOR WEAR

2. CHECK CABLES AND CONNECTIONS

3. CHECK FOR CORRECT TENSION AND WELL BALANCED DOOR

4. CHECK SHAFT FOR LOOSE PARTS OR SIGNS OF WEAR

5. TIGHTEN AND INSPECT DOOR HARDWARE

6. TIGHTEN AND INSPECT GUIDES AND TRACKS

7. MANUALLY OPERATE DOOR AND CHECK OPERATION

8. LUBRICATE ROLLERS, BEARINGS, ETC.

9. ADJUST DOOR FOR SEAL ON FLOOR

10. CHECK CONDITION OF WEATHERSTRIP MATERIAL

11. INSPECT SPRINGS FOR SIGNS OF COLLAPSE

12. CHECK AND TIGHTEN CONES, BRUSH COUPLINGS

13. APPLY SERVICE DECAL (NUMBER DOOR)

14. CHECK DOOR FACE FOR DAMAGE (OUTSIDE)

15. CHECK DOOR SECTIONS FOR DELAMINATING ETC. (INSIDE)

16. REPLACEMENTS PARTS REQUIRED:

MODEL: QTY: SIZE:

17. COMMENTS:

ELECTRICAL OPERATORS

18. CHECK CONDITION OF ALL BELTS

19. CHECK ALL OPERATOR BEARINGS

20. CHECK ALL SPROCKETS AND CHAINS

21. CHECK MOUNTING BOLTS TIGHT, WELLS CRACKED

22. INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS

23. CHECK ALL CONTROL DEVICES AND SAFETY FEATURES

24. IS DOOR LOCKED OUT? ALPHA LOCK: OTHERS LOCK:

Legend:

Good: Parts have been checked and are currently running in a safe and efficient manner.

Fair: Parts have been checked and may require future maintenance.

Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in Item 17.

Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked out)

Reviewed With Customer: Date:

Manufacturer's Use:

ALPHA DOOR SYSTEMS INC.

HIGH SPEED

ALPHA DOOR SYSTEMS, INC. OVERHEAD DOOR INSPECTIONS Job # _____
1800 3188 Fax 219 639 1618 TOLL 800 265 7792
BUILDING: _____ DOOR # _____
DOOR SECT. _____ OPERATOR: _____ HP _____ V _____ P.H. _____
CABLE CO. _____

	GOOD	FAIR	POOR	UNSAFE
1. CHECK SPRING FOR TENSION, TORSION OR SIGNS OF WEAR				
2. TIGHTEN AND INSPECT DOOR HARDWARE				
3. TIGHTEN AND INSPECT GUIDES AND TRACKS				
4. MANUALLY OPERATE DOOR AND CHECK OPERATION				
5. LUBRICATE ROLLERS, BEARINGS, ETC.				
6. ADJUST DOOR FOR SEAL ON FLOOR				
7. CHECK CONDITION OF WEATHERSTRIP MATERIAL				
8. INSPECT SPRINGS FOR SIGNS OF COLLAPSE				
9. INSPECT AND TIGHTEN CONES, TUBES, COILS, ETC.				
10. APPLY SERVICE DECAL (NUMBER DOOR 1)				
11. CHECK DOOR JACK FOR DAMAGE (OUTSIDE)				
12. CHECK DOOR SECTIONS FOR DELAMINATING ETC. (INSIDE)				
13. REPLACEMENT PARTS REQUIRED:				
MODEL _____				
QTY _____				
SIZE _____				

14. COMMENTS:

15. ELECTRICAL OPERATORS

	GOOD	FAIR	POOR	UNSAFE
16. CHECK CONDITION OF ALL BELTS				
17. CHECK ALL OPERATOR BEARINGS				
18. CHECK ALL SPRINGS AND CHAINS				
19. CHECK MOUNTING BRACKETS (TIGHT, WELDED CRACKS)				
20. INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS				
21. CHECK ALL CONTROL DEVICES AND SAFETY FEATURES				
22. IS DOOR LOCKED OUT? ALPHA LOCK _____ OTHERS LOCK _____				

Legend:
Good: Parts have been checked and are currently meeting in a safe and efficient manner.
Fair: Parts have been checked and may require future maintenance.
Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in Item 13.
Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked-out)

Reviewed With Customer: _____ Date: _____

AlphaDoor.com

PROTECDOR® POWER DOOR

INDUSTRIAL DOORS

RITE·HITE®
DOORS
The Leading Edge In Door Safety.



MAXIMIZE YOUR ENERGY EFFICIENCY, PRODUCTIVITY AND
SAFETY WITH THE BEST VALUE IN HIGH-SPEED DOORS.



Our exclusive SoftEdge™ Safety System, the extra-large vision panel and an easy separation/reattachment capability make the PROTECDOR® Power Door the safest high-speed roll-up door available today.

RITE·HITE®

Protect people,
cargo and
equipment.



PROTECDOR releases on impact from any angle with our patented omni-directional magnetic tensioning system. Helps avoid punctures or damage, reducing your chance of costly repairs. Door stops upon contact or separation, thanks to the unique Soft-Stop Sensing System. No coil cords or exposed electronics are within the opening.

PROTECDOR redefines safety and value.

Help avoid injury and property damage with PROTECDOR's unique lightweight soft-bottom design and Soft-Stop™ System. It provides a tight seal along the floor, but it's soft on personnel and cargo.



Internally and externally mounted photoeyes monitor activity in the doorway opening. Optional I-Zone™ System extends safety beyond the opening.



With the i-COMM™ Digital Communication Controller, real-time door status is communicated via digital text display window.



Fast reloading. If the curtain is separated from the side frame, simply jog it above the feeders to put your PROTECDOR back on track.

PROTECDOR® POWER DOOR

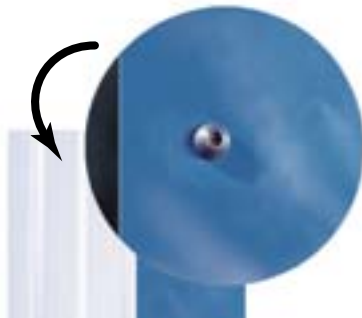
INDUSTRIAL DOORS



Extra-large vision panel provides clear view of other traffic for added safety.



Dual-vision option increases visibility.



Efficient, durable design. Internal pressure stays maintain curtain stability with no rigid bars across the opening. Steel side frames feature anodized aluminum covers. Curtain panels are made of rugged, yet lightweight fabric, guaranteed for long life.



Exclusive TURN-TITE® top seal. Attached to the curtain, the top seal provides positive closure through centrifugal force. Unlike brush seals, it won't interfere with operation or scratch the vision panel.



With its low profile and small footprint, PROTECDOR easily fits almost any opening with ample clearance.



Easy reattachment of door following separation due to impact. A simple handle helps to reset the magnets quickly and easily – no tools are needed.



Simple, low-maintenance belt-drive system without gearbox. Optional PRO™ Drive System lets you customize speed control.

PROTECDOR® POWER DOOR



Unique PROTECDOR lightweight soft bottom won't break this fragile lightbulb. So you know it will be easy on your employees.



A conventional hard-edge door cannot make the same claims due to its higher downward impact force.

Innovative design helps avoid injuries.

Conventional high-speed doors can hurt your personnel. In fact, tests show conventional hard-edge doors come down with forces up to 10 times greater than the PROTECDOR's soft-edge.

As you can see in the photos, the PROTECDOR® can safely settle over a fragile lightbulb without causing damage. But the conventional door smashes it to bits, even with a working reversing edge.

The proven design of the unique Soft-Edge™ Safety System will help lower maintenance costs and protect your personnel and property from the hazards of hard-edge doors.

Make the safer, smarter investment. PROTECDOR.

Before you buy, consider the unique advantages of PROTECDOR:

- ▶ Exceptional safety
- ▶ Innovative soft-bottom design
- ▶ Patented magnetic separating system
- ▶ Less chance for costly damage and repairs
- ▶ Excellent seals, top and bottom
- ▶ Easy operation and minimal maintenance
- ▶ Excellent overall value
- ▶ Rite-Hite Doors also offers an exclusive 1-year money-back guarantee

Reattaches in less than a minute after separation.

1) Impact



2) Reattach magnets



3) Reset



4) Back in operation



Just reconnect the magnets and you're back in business. No tools or opening of the side frames needed.

For details on this innovative door or our full line of industrial, impact and cooler/freezer doors, contact your Rite-Hite Doors representative or call 1-800-456-0600.

**RITE-HITE
DOORS**

RITE-HITE®

 **Frommelt®**

Rite-Hite Corporation

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

Mailing Address: Rite-Hite Corporation P.O. Box 245020 Milwaukee, WI 53224 USA

www.ritehite.com www.ritehitedoors.com

D15BRB0906A

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RITE-HITE products are covered by one or more U.S. Patents with other U.S. and foreign patents pending. RITE-HITE reserves the right to make product improvements without prior notice.

PROTECDOR® CLEAN POWER DOOR Industrial Doors

Soft-Edge™ Safety and a clean design makes the Protecdoor Clean the safest clean room door available.

FDA-compliant door curtain

is heat-sealed for a smooth, cleanable surface.

Quick-release hinged sideframe cover

opens easily for cleaning. No heavy lifting of cover required.

Stainless steel sideframes and header assembly

withstand corrosion.

Washdown motor and NEMA 4X control box

are designed for harsh environments.

Unique lightweight soft-bottom design

helps protect people, cargo and equipment.

Soft-Stop™ Sensing System

stops the door's travel upon contact without the need for reattachment.

Patented magnetic-tensioning system

releases door on impact from any angle to help prevent damage.

Operating speed

of 48" per second.



Protect your employees AND your products with the Protecdoor Clean Power Door.

Get the safety and productivity features of the Protecdoor, while meeting the regulations for clean applications, with the Protecdoor Clean Power Door from Rite-Hite Doors.

Designed for clean room applications, the Protecdoor Clean Power Door helps you to efficiently meet the challenges of these environments. By combining the Protecdoor's unique Soft-Edge™ Safety System with stainless steel components and a heat-sealed curtain, the Protecdoor Clean meets the necessary cleanliness and safety standards.

And, its quick-release hinged sideframe covers offer easy access for cleaning – with no lifting of heavy covers.

For details on this innovative clean door, or Rite-Hite Doors' full line of industrial and cold storage doors, contact your local Rite-Hite representative or call 1-800-456-0600.

Only the Protecdoor Clean gives you all of these advantages:

Drive System:

Reliable, belt-driven washdown motor and brake operate the door at 48" per second.

Door Design:

Complete door design is UL Listed.

Optional Shroud:

Easy-to-clean stainless steel shroud available.

Sideframe (shown open):

Easy-to-use foot release opens hinged sideframes for thorough cleaning.

Curtain:

FDA-compliant, white PVC fabric is heat-sealed for easy cleaning.

Sideframe (shown closed):

Stainless steel sideframes with hinged covers are ideal for harsh environments.

Curtain Position:

Curtain can be easily adjusted for door to stop above the ground, thus preventing dirt and debris from contacting curtain.



Pressure Stays:

Internal pressure stays maintain curtain stability in positive or negative pressures without using rigid wind bars, yet release upon impact.

Photoeyes:

Two sets of thru-beam, reversing photoeyes monitor door opening to help protect employees.

Soft-Edge™ Safety System:

Soft-bottom edge design helps protect personnel from impact damage, and seals tightly against the floor. Door stops upon contact or separation, thanks to the unique Soft-Stop™ Sensing System. No coil cords or exposed electronics are within the opening. Magnetic tensioning system releases door when significantly impacted from any angle. Ergonomic reattachment of door following separation – no tools are needed.

Ask your Rite-Hite representative for more information on the Protecdoor Clean – the only door that combines exclusive Soft-Edge™ technology with the requirements of a clean door.



Rite-Hite Corporation
8900 North Arbon Drive
Milwaukee, Wisconsin 53223
414-355-2600 or toll-free: 800-456-0600
Fax: 414-355-4640 www.ritehite.com

PROTECDOR® XL POWR-DOOR™

Industrial Doors

Take advantage of the leading edge in door safety.

Unique Soft-Tech™ Safety System.

Revolutionary soft bottom design helps protect your personnel and property.

Durable panel design.

Separates upon impact. Fast, easy reattachment without tools.

DETECDOR™ Monitoring System.

Senses any separation and stops door movement instantly, without coil cords or external electronics.

Gravity-driven counterbalance system.

Fully enclosed counterweight opens door at up to 45" per second.

GaleForce™ Wind Retention System.

Allows the PROTECDOR XL to withstand gale-force winds, without wind bars.

Tough EXCEL™ curtain panel.

Rugged, guaranteed fabric provides superior resistance to impacts, wear and tear.



Revolutionary soft edge takes safety and durability to another dimension.

Now you can apply all the benefits of our Soft-Tech™ Safety System to your exterior and larger interior openings. Get the PROTECDOR® XL power door from Rite-Hite Doors. With its soft bottom and efficient, impactable design, it's the ultimate in door safety. This new door better protects your personnel and property while you

increase productivity and minimize maintenance.

For more information about our full line of industrial, impact and cooler/freezer doors, ask your Rite-Hite Doors representative or call 1-800-456-0600.



Underwriters
Laboratories Inc.®

**RITE-HITE
DOORS**
The Leading Edge In Door Safety.

Revolutionize door safety throughout your facility.

The PROTECDOR® XL lets you put soft edge safety at every opening.

Only XL gives you all these advantages:

- Revolutionary Soft-Tech™ Safety System helps protect your personnel and equipment.
- GaleForce™ wind retention, without the need for wind bars.
- Separates upon impact to help avoid damage and injury.
- Dual DETECDOR™ monitors sense any separation and stop door movement for added safety.
- Reattaches quickly and easily without the use of tools to minimize downtime.
- XL opens quickly at up to 45" per second with fully enclosed counterbalance system.
- Fully enclosed, 1 hp motor and chain drive system with helical gear reducer.
- A wide variety of vision options.
- Rugged EXCEL™ fabric stands up to tough conditions year after year.
- Comprehensive product warranty. Rite-Hite Doors also offers an exclusive 1-year money back guarantee.

After separation, rapid reattachment.



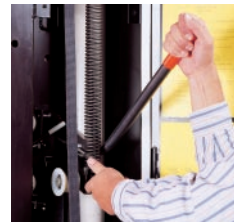
1. Impact



2. Release curtain tension



3. Reattach connecting tabs and rollers



4. Restore curtain tension



5. Reset and resume operation

**Just manually reattach the curtain to the rollers.
No tools. No parts. No sweat.**



Rite-Hite Corporation
8900 North Arbon Drive, Milwaukee, Wisconsin 53223
(414) 355-2600 or toll-free: (800) 456-0600
Fax: (414) 355-4640 www.ritehite.com

TRAKLINE™ ROLL DOOR

Industrial Doors

Fast opening and closing speed

at 40" per second helps improve your operating efficiency.

Innovative V-Flex™ Curtain Release System

allows curtain to separate on impact to help prevent damage and downtime.

Speed-Feed™ Reinsertion System

automatically refeeds curtain after impact to help eliminate downtime.

Simple, low-maintenance design

with no heavy bottom bars, reversing edges or coil cords.

Full-width vision panel

provides enhanced visibility for added safety.

Lightweight curtain design

helps protect personnel, cargo and equipment.



Improve productivity with TRAKLINE™ Roll Doors.

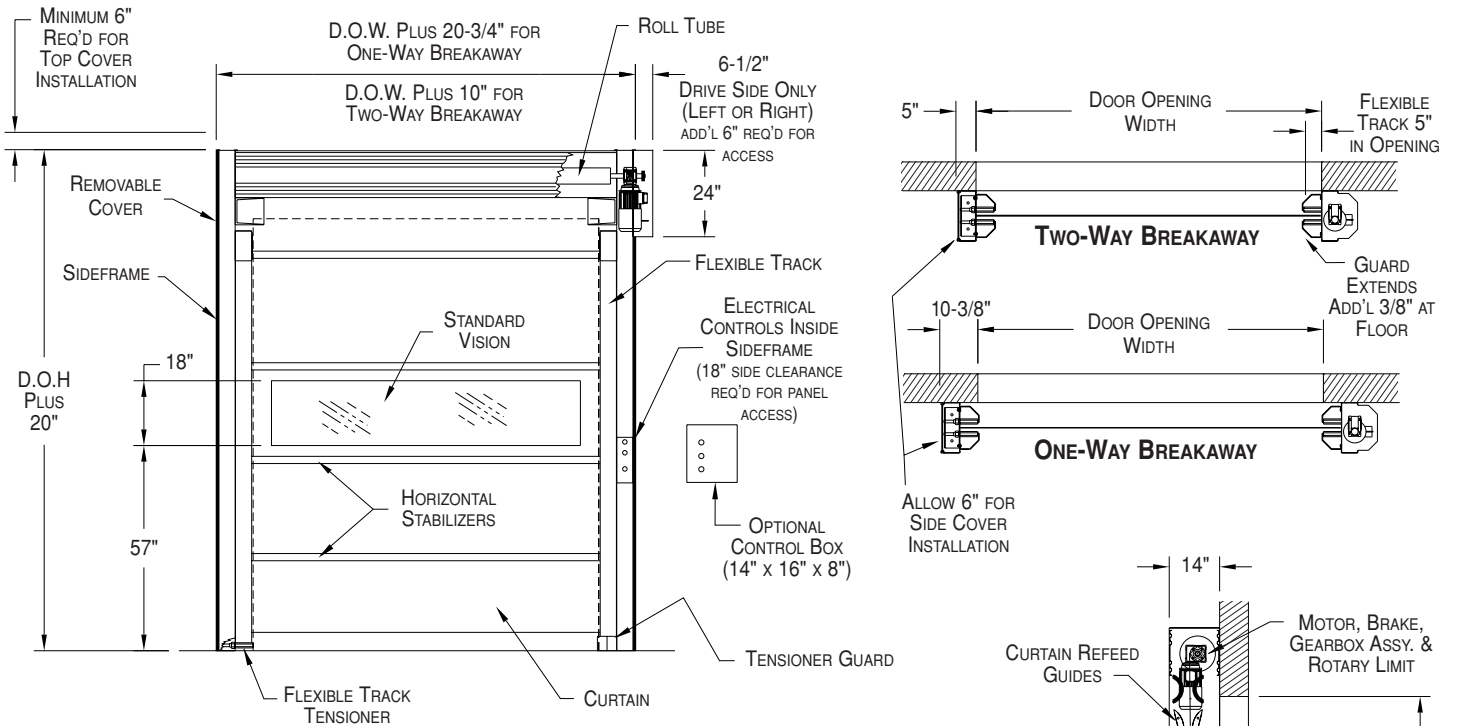
The TRAKLINE™ Roll Door from Rite-Hite Doors gives you all the benefits of high-speed operation and an exceptional lifetime value. Its rapid operating speed and automatic closing allow personnel and equipment to move through quickly for optimum productivity. If impacted, the TRAKLINE Roll Door instantly releases from the flexible track to help avoid damage and downtime. Then the door automatically refeeds the curtain into the track, so

you can continue efficient operation. The durable lightweight curtain helps protect your personnel and equipment from impact damage. For more details on our full lineup of industrial, cold storage and impact doors, contact your Rite-Hite Doors representative or call 1-800-456-0600.

Manufactured under license from Maviflex S.A.

**RITE-HITE
DOORS**
The Leading Edge In Door Safety.

TRAKLINE™ ROLL DOOR



SPECIFICATIONS

Model Number: 8910 POWER DOOR

SPEED:

Opens: up to 40" per second
Closes: up to 40" per second

SIZE:

Minimum: 5' x 7'
Maximum: 12' x 12'

BOTTOM EDGE:

Lightweight bottom enclosed in fabric curtain. Door releases upon impact and automatically refeeds into the track. No junction box or coil cords are attached to bottom edge.

CURTAIN MATERIAL:

Curtain made of 22-oz. PVC coated nylon fabric and comes complete with an 18" high full-width vision panel. Standard curtain colors: blue, yellow, orange, white, red and green.

SEALING:

Fabric top seal. Fabric loop seals bottom edge at the floor.

SIDE FRAMES:

Side frames, 14" (projection) x 5" (wide), are formed 14 gauge steel with black polyurethane paint and black corrugated polyethylene covers. Flexible track is 5" wide and is constructed of heavy-duty black polyester fabric. For two-way breakaway, flexible track is 5" in opening on each side. For one-way breakaway, additional 5-3/8" of side clearance is required for track (10-3/8" total per side). Auto-refeed mechanism constructed of polyethylene material.

ROLLER TUBE:

Four inch diameter, 13 gauge steel tube mounted on two precision self-aligning flange bearings.

DRIVE SYSTEM:

1 HP, 1650 rpm motor with a 12:1 gearbox reduction is controlled by programmable logic controller.

ELECTRICAL REQUIREMENTS:

Standard: 208 VAC 3ph; 230/460 VAC 3ph, 400 VAC 3ph and 575 VAC 3ph.

CONTROL BOX:

Control box is mounted in the side frame and is fuse protected. Standard controls include open button, curtain jog button and a mushroom emergency stop. PLC and auto-reclose are standard.

SAFETY FEATURES:

Lightweight curtain design and breakaway capability help protect against impact damage and eliminate entrapment concerns. Full-width vision standard. Two internally mounted reversing photo-eyes continuously monitor the door opening. Automatic refeed helps eliminate ergonomic reattachment concerns.

WARRANTY:

Limited 1 year parts and labor, 150,000 cycles including electrical. Rite-Hite Doors also offers an exclusive 1-year money back guarantee.

Job: _____

Location: _____

Size: _____

Certified for construction:

By: _____

Date: _____

Company: _____

City: _____

State: _____

**RITE·HITE®
DOORS**

The Leading Edge In Door Safety.

8900 North Arbon Drive
Milwaukee, WI 53223
Toll free 1-800-456-0600
1-414-355-2600
Fax: 414-355-4640
www.ritehite.com

TRAKLINE™ FOLD DOOR

Industrial Doors

Fast opening and closing speed

at 40" per second helps improve your operating efficiency.

Innovative V-Flex™ Curtain Release System

allows curtain to separate on impact to help prevent damage and downtime.

Simple, low-maintenance design

with no heavy bottom bars, reversing edges or coil cords.

Substantial seal

Helps provide environmental separation and weather protection.

Operation in high winds

with fold-up design and horizontal stabilizers.



Increase efficiency with TRAKLINE™ Fold Doors

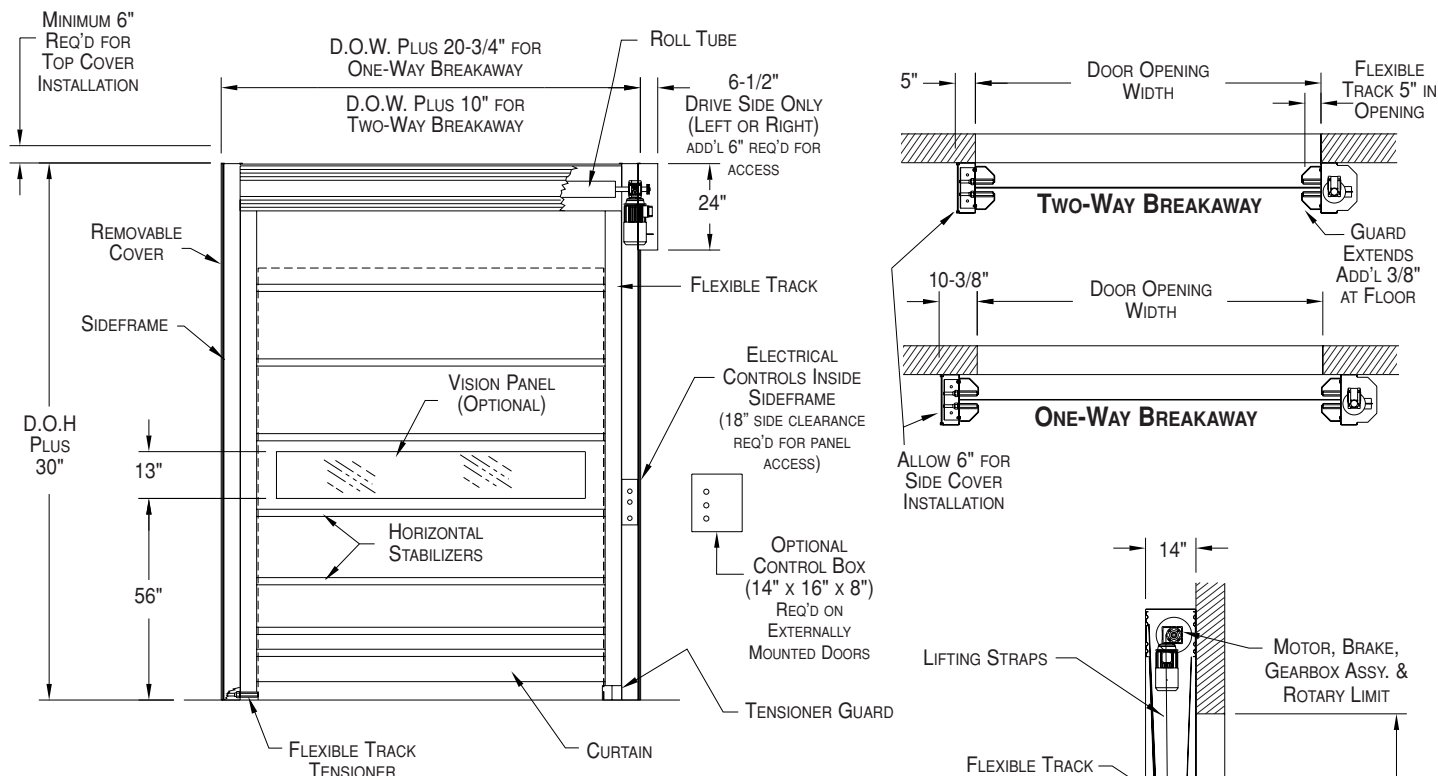
For exterior doorways and larger interior openings, get the TRAKLINE™ Fold Door from Rite-Hite Doors. Its rapid operating speed and automatic closing allow personnel and equipment to move through quickly for improved productivity. If impacted, the TRAKLINE Fold Door's curtain releases from the flexible track to help avoid damage and downtime. The durable curtain

stabilizers provide excellent wind resistance. And the substantial seal saves energy costs. For more details on our full lineup of industrial, cold storage and impact doors, contact your Rite-Hite Doors representative or call 1-800-456-0600.

Manufactured under license from Maviflex S.A.

**RITE-HITE
DOORS**
The Leading Edge In Door Safety.

TRAKLINE™ FOLD DOOR



SPECIFICATIONS

Model Number: 8920 POWER DOOR

SPEED:

Opens: up to 40" per second
Closes: up to 40" per second

SIZE:

Minimum: 5' x 7'
Maximum: 16' x 16'

BOTTOM EDGE:

Reinforced bottom enclosed in fabric curtain. Door releases upon impact to help minimize damage. No junction box or coil cords are attached to bottom edge.

CURTAIN MATERIAL:

Curtain made of 22-oz. PVC coated nylon fabric. Standard colors: blue, yellow, orange, white, red and green. Optional 13" high full-width vision panel.

SEALING:

Curtain is attached to header for tight top seal. Fabric loop seals bottom edge at the floor.

SIDE FRAMES:

Side frames, 14" (projection) x 5" (wide), are formed 14 gauge steel with black polyurethane paint and black corrugated polyethylene covers. Flexible track is 5" wide and is constructed of heavy-duty black polyester fabric. For two-way breakaway, flexible track is 5" in opening on each side. For one-way breakaway, additional 5-3/8" of side clearance is required for track (10-3/8" total per side).

ROLLER TUBE:

Four inch diameter, 13 gauge steel tube mounted on two precision self-aligning flange bearings.

DRIVE SYSTEM:

1 HP, 1650 rpm motor with a 12:1 gearbox reduction is controlled by programmable logic controller.

ELECTRICAL REQUIREMENTS:

Standard: 208 VAC 3ph; 230/460 VAC 3ph, 400 VAC 3ph and 575 VAC 3ph.

CONTROL BOX:

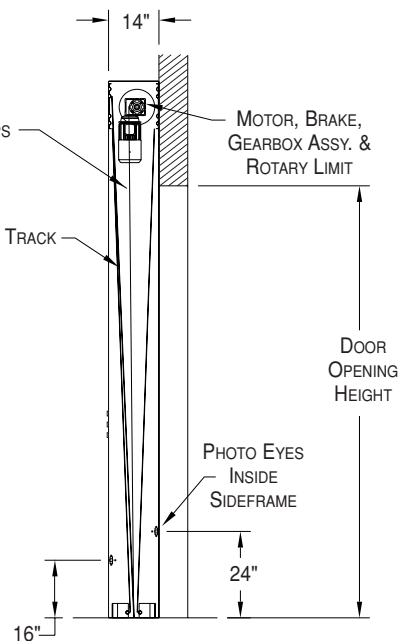
Control box is integral to the side frame and is fuse protected. Standard controls include open/reset button, curtain jog button and a mushroom emergency stop. PLC and auto-reclose are standard.

SAFETY FEATURES:

Breakaway capability helps protect against impact damage. Fabric curtain design addresses entrapment concerns. Two internally mounted reversing photo eyes continuously monitor the door opening. Optional full-width vision panel to increase visibility at the opening.

WARRANTY:

Limited 1 year parts and labor, 150,000 cycles including electrical. Rite-Hite Doors also offers an exclusive 1-year money back guarantee.



Job: _____

Location: _____

Size: _____

Certified for construction:

By: _____

Date: _____

Company: _____

City: _____

State: _____

RITE·HITE® DOORS

The Leading Edge In Door Safety.

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TRAKLINE™ PLUS FOLD DOOR

Industrial Doors

High cycle productivity
for larger openings
up to 400 square feet.

Fast opening and
closing speed
up to 42" per second helps
improve your operating
efficiency.

Innovative V-Flex™ Curtain
Release System
helps curtain to withstand
impact, minimizing damage
and downtime.

Simple, low-
maintenance design
with no heavy bottom bars,
reversing edges or
coil cords.

Substantial seal
helps provide environmental
separation and weather
protection.

Operates in high winds
with fold-up design and
horizontal stabilizers.

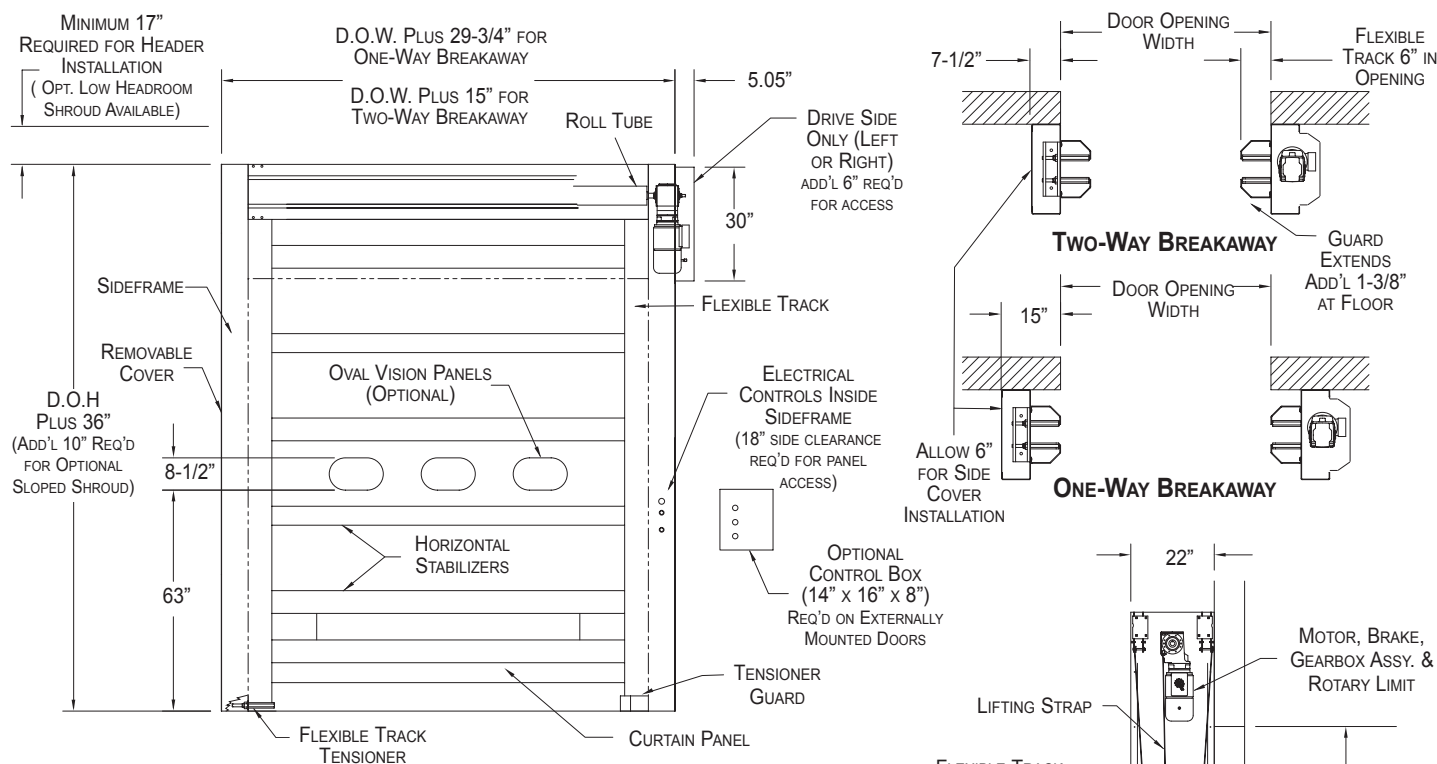


TrakLine™ PLUS Door takes efficiency to the next level.

Get the TrakLine™ PLUS Door from Rite-Hite Doors for your larger, high demand openings. Rapid operating speed and automatic closing allow personnel and equipment to move through quickly for improved productivity. If impacted, the TrakLine PLUS Door's innovative flexible track releases the curtain to minimize

damage and downtime. The durable curtain stabilizers provide excellent wind resistance, and the substantial seal saves energy costs. For more details on our full lineup of industrial, cold storage and impact doors, contact your Rite-Hite Doors representative or call 1-800-456-0600.

TRAKLINE™ PLUS DOOR



SPECIFICATIONS

Model Number: 8920 PL POWER DOOR

SPEED:

Opens: up to 40" per second
Closes: up to 40" per second

SIZE:

Minimum: 10' x 10'
Maximum: Total opening size of 400 sq. ft.
24 linear feet in either direction

BOTTOM EDGE:

Reinforced bottom enclosed in fabric curtain. Door releases upon impact to help minimize damage. No junction box or coil cords are attached to bottom edge.

CURTAIN MATERIAL:

Curtain made of 22-oz. PVC coated polyester fabric. Standard color is gray. Optional heat-sealed oval vision panels.

SEALING:

Curtain is attached to header for tight top seal. Fabric loop seals bottom edge at the floor.

SIDE FRAMES:

Side frames, 22" (projection) x 7.5" (wide), are formed 10 gauge steel with black steel side frame covers. Flexible track is 6" wide and is constructed of heavy-duty black polyester fabric. For two-way breakaway, flexible track is 6" in opening on each side. For one-way breakaway, additional 7.5" of side clearance is required for flexible track (15" total per side).

ROLLER TUBE:

Five inch diameter, 11 gauge steel tube mounted on two precision self-aligning flange bearings.

DRIVE SYSTEM:

2 HP, 1725 rpm motor with a 13:1 gearbox reduction and integral brake is controlled by programmable logic controller.

ELECTRICAL REQUIREMENTS:

Standard: 208 VAC 3ph; 230/460 VAC 3ph, 400 VAC 3ph and 575 VAC 3ph.

CONTROL BOX:

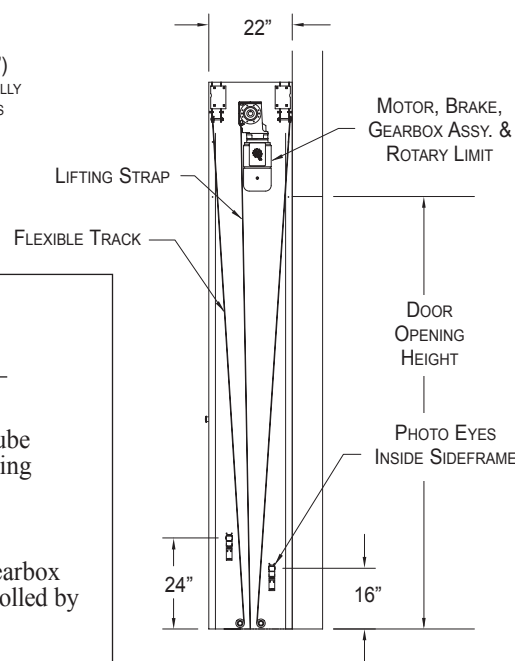
Control box is integral to the side frame and is fuse protected. Standard controls include open/reset button, curtain jog button and a mushroom emergency stop. PLC and auto-reclose are standard.

SAFETY FEATURES:

Break-away capability helps protect against impact damage. Fabric curtain design helps eliminate entrapment concerns. Two internally mounted thru-beam reversing photo eyes continuously monitor the door opening. Optional vision available to increase visibility at the opening.

WARRANTY:

Limited 1 year, 150,000 cycles, parts and labor warranty, including electrical. Rite-Hite Doors also offers an exclusive 1-year money back guarantee.



Job: _____

Location: _____

Size: _____

Certified for construction:

By: _____

Date: _____

Company: _____

City: _____

State: _____

Manufactured Under License from Maviflex

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SAFE-T-SPRINT™ POWER DOOR Industrial Doors

SAFE-T-SPRINT
increases your
safety and
efficiency.

Safety

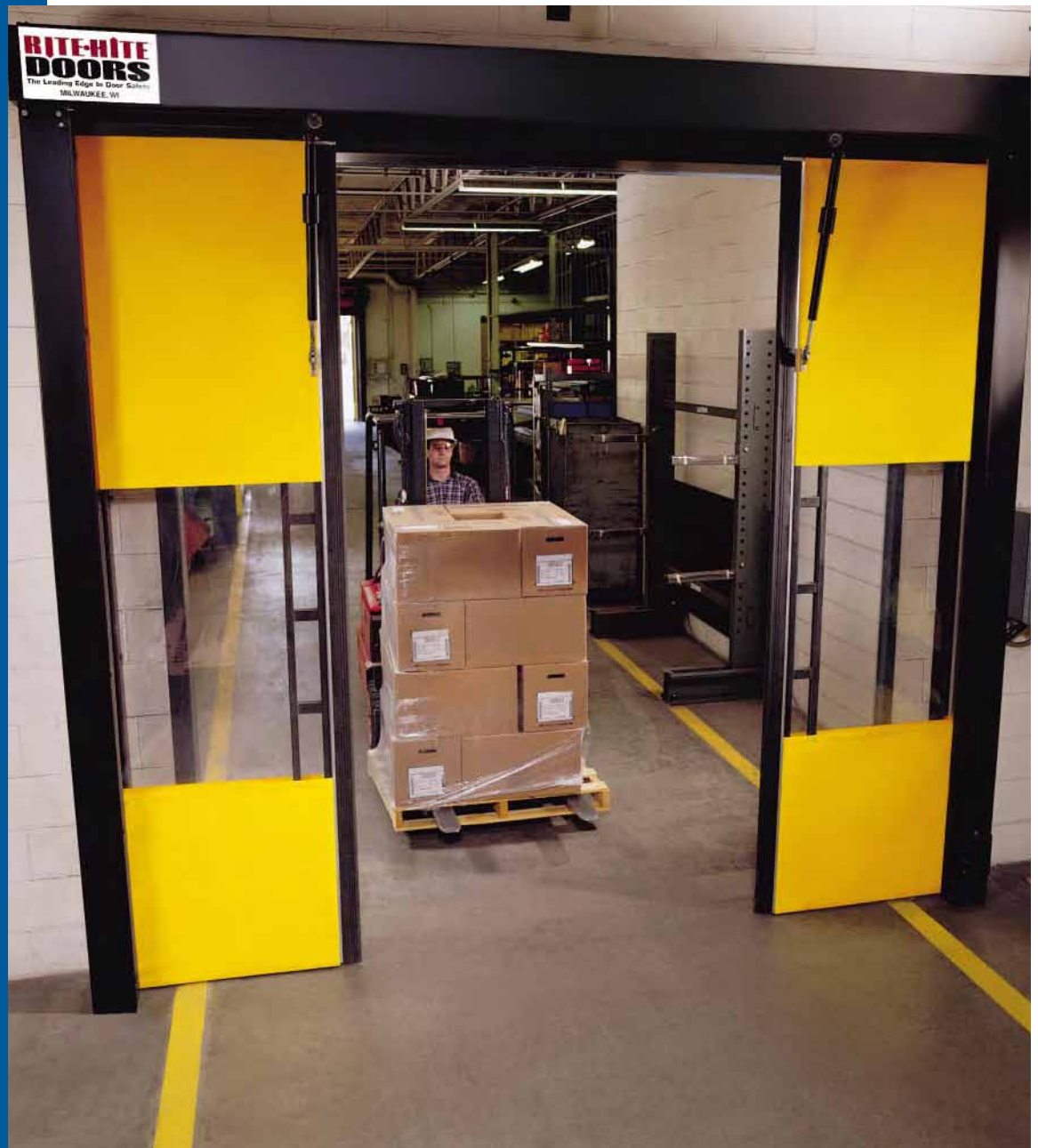
- Immediate full height visibility.
- Immediate full height material access.
- Dual reversing photo eyes monitor each side of door opening.
- Sensitive reversing edge on each panel.

Reliability

- Dependable timing belt drive system features non-corroding steel trolleys and guides with sealed ball bearings and nylon rollers.
- Leading edges designed to yield upon moderate contact.

Efficiency

- Fast, smooth operation.
- Opens up to 84"/sec.
- Closes up to 40"/sec.
- Speed adjustable to meet your needs.
- Ideal for high traffic applications.
- Space-saving design with enclosed motor.
- Low profile, small footprint.



Fast horizontal opening answers your overhead concerns.

The unique SAFE-T-SPRINT™ bi-rolling power door is the ideal design for safety and speed. It opens from the center at 84"/second, giving you full height vision and material access instantly. Perfect for high traffic areas.

The SAFE-T-SPRINT door is part of Rite-Hite Doors full line of industrial, impact and cooler/freezer doors. Ask your Rite-Hite representative for details, or call us toll free at 1-800-456-0600.

**RITE-HITE
DOORS**
The Leading Edge In Door Safety.

Advantages you can see in a hurry.



Conventional roll-up doors may not be the best solution for every application. A better alternative exists where they temporarily block vision, restrict access and their tendency to carry dirt and debris overhead is a concern.



The **SAFE-T-SPRINT** power door provides *immediate full height vision and material access*. Lift truck operator can proceed without overhead concerns.

Special stay-bars provide adjustable support and allow leading edges to yield and reset automatically if moderate contact occurs.



Full-width vision panels. Clear, heat-sealed, polyurethane panels, tempered for extra strength. Included as standard equipment, extra large panels improve safety by providing exceptional visibility.

Fast bi-rolling action. This unique design lets the SAFE-T-SPRINT door open and close rapidly for maximum efficiency. The air space between the dual curtains helps insulate against temperature and softens sound.



Manual opening for emergencies. In emergency power situations, the door can be easily opened manually to a full open position.



Solid, attractive frames of polyurethane-painted $\frac{1}{8}$ " steel, with black anodized aluminum covers for long life.



Self-diagnostic controls. NEMA 4X control box houses versatile self-diagnostic programmable logic controller, emergency stop and reset annunciator.



Open new opportunities with SAFE-T-SPRINT doors.

Special safety features

- Full height vision instantly.
- Full width vision panels.
- Dual reversing photo eyes.
- Dual sensitive reversing edges.
- Easy manual opening during power outage.
- Leading edges yield with moderate contact.

Superior design

- Fast bi-rolling open and close.
- Center separation provides instant vision and material access.
- Low profile, small footprint.
- Available in sizes to fit your needs.

Fast action

- Opens up to 84"/sec.
- Closes up to 40"/sec.
- Speed adjustable to meet your needs.
- Ideal for high traffic areas.

Unique dual curtain panel design

- Dual curtain creates center air space.
- Helps conserve energy and reduce sound.
- Design maintains structural integrity if curtain on one side of panel is compromised.
- Various colors available.

Variety of activation methods including:

- Induction loop
- Motion sensor
- Remote control
- Electronic eye
- Pull cord
- Manual control

Comprehensive product warranty.

Rite-Hite Doors also offers an exclusive
1-YEAR MONEY BACK GUARANTEE.

For details contact your Rite-Hite representative.



Rite-Hite Corporation

8900 North Arbon Drive, Milwaukee, Wisconsin 53223
414-355-2600 or toll-free: 800-456-0600
Fax: 414-355-4640 www.ritehite.com

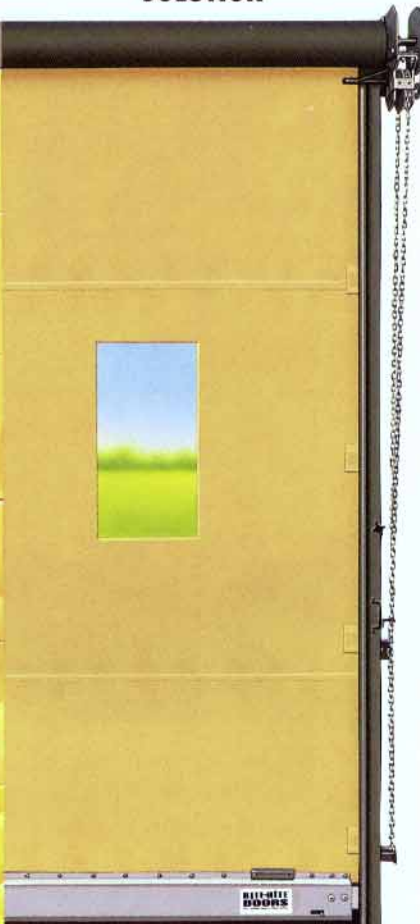
DOK-DOR™

PROBLEM

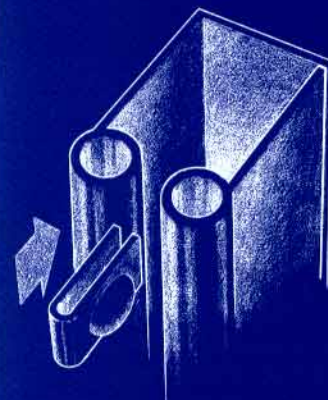


- Repeated impact damage.
- Expensive repairs and frequent panel replacement.
- Impaired operation.

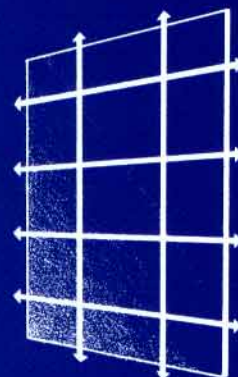
SOLUTION



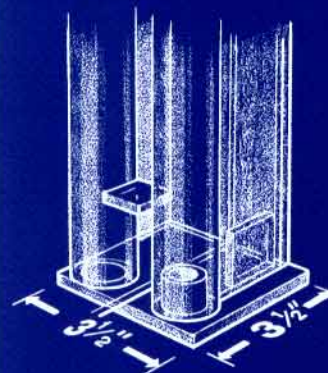
- Impactable fabric curtain and *separating* bottom rail.
- Structural side frame design provides unmatched strength.
- Low Profile
- Virtually no maintenance.



Durable side retention clips release from side frames on impact for easy, no-cost repair.



Engineered for wind resistance with multi-directional clip retention system.



Low profile 3 1/2" x 3 1/2" side frame, heavy-duty steel channel construction for impact resistance and minimal projection.

DOK-DOR™



Standard Color

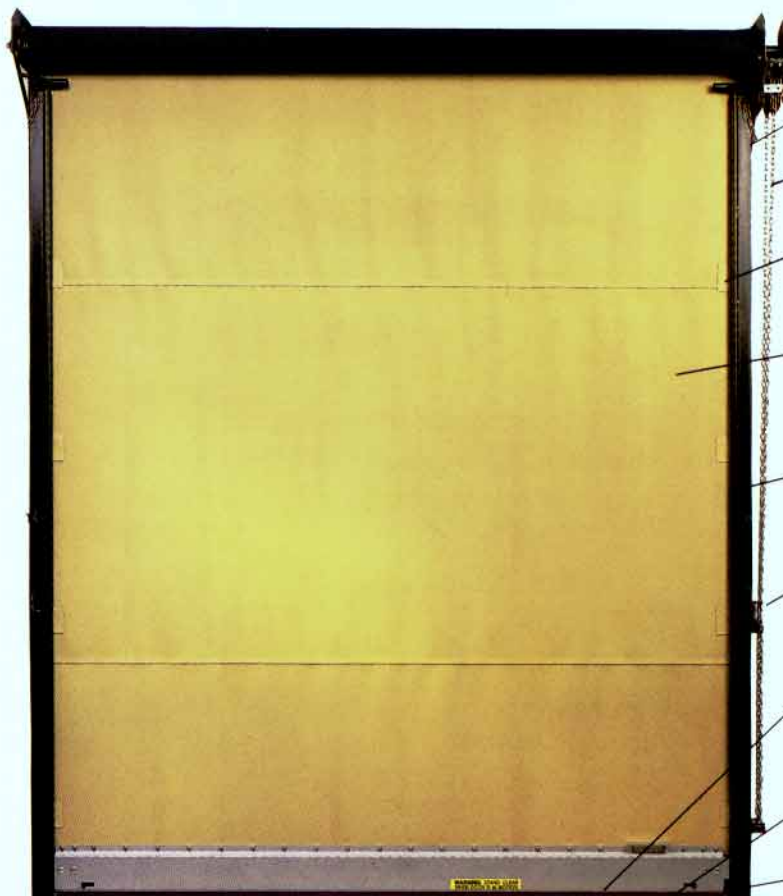


- ☐ White
☐ Additional colors available,
please consult applications.

Optional Features

(check those requested)

- ☐ 1/2 horsepower motor for automated operation.
☐ Dead-bolt locks for increased security.
☐ Shroud with chain guard to protect and conceal mechanical components.
☐ One vision panel.
☐ Removable.
☐ Screen panel.
☐ Two vision panels.
☐ Removable.
☐ Screen panels.
☐ Chain guide for increased safety and smoother operation.



Unitized construction for quick and easy installation.

Chain operated for ease of operation.

Retention clips assure maximum wind resistance.

Door panels made of heavy-duty reinforced tear-resistant DURA-RITE™ 2-ply fabric for durability and low-cost maintenance.

Low profile 3 1/2" side frames of heavy-duty steel channel construction.

Standard chain cleat for added safety and security.

Heavy gauge aluminum separating bottom rail is 7 1/2" high for protection and strength.

Tight weather seal keeps exterior elements from affecting internal operations.

Optional dead-bolt locks for increased security.

☐ Model 8010 (without motor)

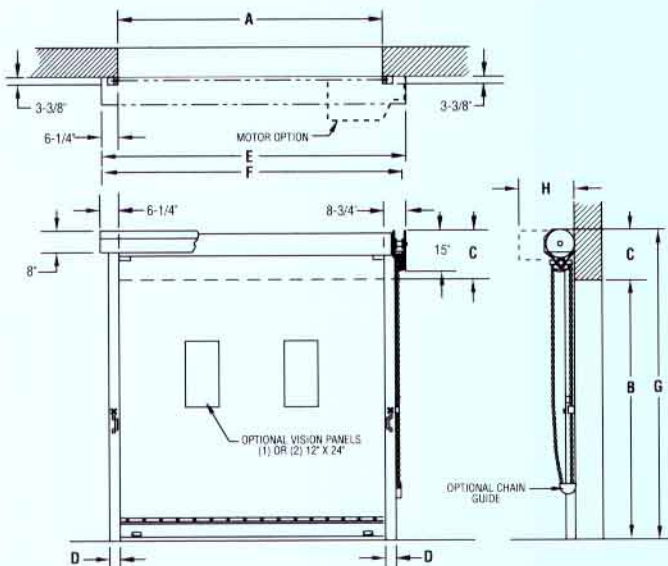
Door opening width A	Door opening height B	Header height C	Frame width D	Overall width without motor E	Overall height G
		18"	3 1/2"	A+15"	B+18"

Drawing not to scale. All dimensions in inches.

☐ Model 8010a (with motor)

Door opening width A	Door opening height B	Header height C	Frame width D	Overall width with motor F	Overall height G	Motor projection H
		18"	3 1/2"	A+13 1/2"	B+18"	18"

Drawing not to scale. All dimensions in inches.



Job: _____

Location: _____

Model: _____

Size: _____

Certified for construction:

By: _____

Date: _____

Company: _____

City & State: _____

SPECIFICATIONS

MODEL NUMBERS: • 8010 manual

• 8010a automatic.

SPEED: Manually operated up and down, lockable at any position. Automatic motor driven model is 18" per second up and down.

ROLLER TUBE ASSEMBLY: 6" diameter high strength steel tube mounted on top of sides frames with integral counterbalance.

SIDE FRAMES: Constructed of 3 1/2" x 1/2" structural steel angle and 1 1/2" x 1/2" steep pipe. Covers are also 1/2" steel.

DOOR MATERIAL: DURA-RITE™ 2-ply coated polyester base fabric.

BOTTOM RAIL: Separating aluminum, 7 1/2" high, with rubber seal on bottom edge.

ELECTRICAL REQUIREMENTS: 110 volt, single phase power for automatic model 8010a. 1/2 horsepower motor. One open/close/stop push button station.

SAFETY FEATURES: Counterbalance system prevents crash closing of door.

WARRANTY: One-year parts and labor on manual model. One-year parts and labor, unlimited cycle, including electrical on automatic model.

AUTO-STRIP™ POWER DOOR

Industrial Doors

**Auto-Strip doors
increase safety
and productivity**

**Fast open and close at
35" per second**

**Improved visibility and
safety with less chance
of annoying contact**

Long-term durability

**Cleared opening
helps protect cargo from
strip impact**

**Allows pedestrian traffic
to pass through while
closure is maintained**



Improve safety and productivity with Auto-Strip power doors.

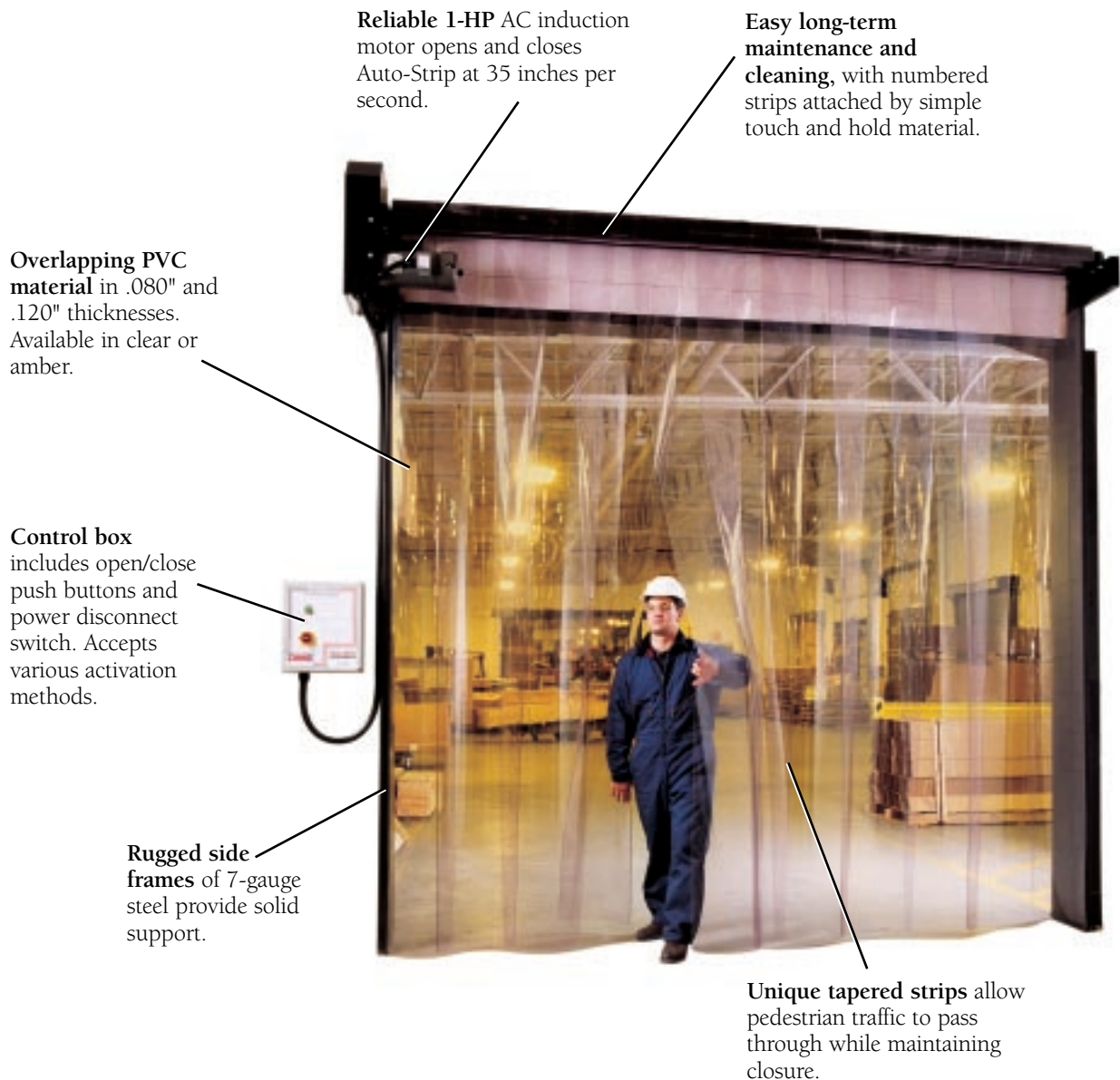
Get past annoying strip doors without impact or loss of visibility, get Auto-Strip power doors from Rite-Hite Doors. This innovative design helps you avoid the scratches, dirt and grime that cloud conventional strip doors. Automatic roll-up gets the curtain out of the way, to help minimize contact and improve safety and visibility. Strips stay clearer longer, so you substantially reduce the need to buy replacement strips. Its fast 35"/sec. opening and closing speed lets

you keep the work moving. Plus the unitized design and rigid framework provide long-term durability.

Auto-Strip doors are part of our wide selection of industrial, impact and cooler/freezer doors. For more details, contact your Rite-Hite Doors representative or call 1-800-456-0600.

**RITE-HITE
DOORS**
The Leading Edge In Door Safety.

Only Auto-Strip™ power doors give you all these advantages.



The Auto-Strip door is available with additional options and a full one-year money-back guarantee. Ask your Rite-Hite Doors representative for more details on our wide selection of industrial, impact and cooler/freezer doors.



Rite-Hite Corporation

8900 North Arbon Drive, Milwaukee, Wisconsin 53223

(414) 355-4640 or toll-free: 800/456-0600

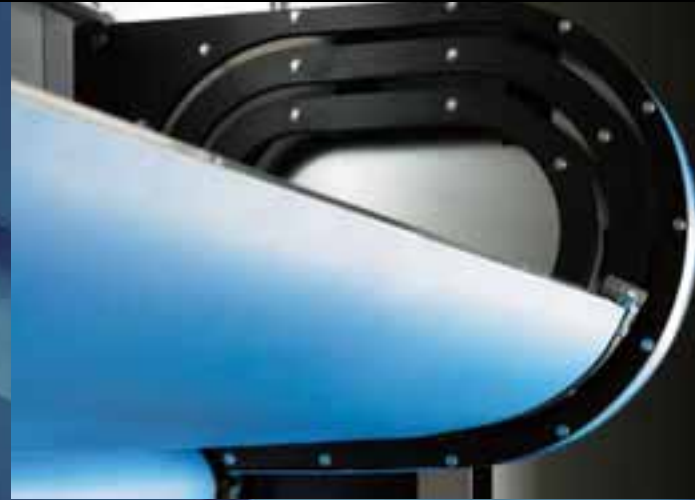
Fax: 414-355-4640

www.ritehite.com

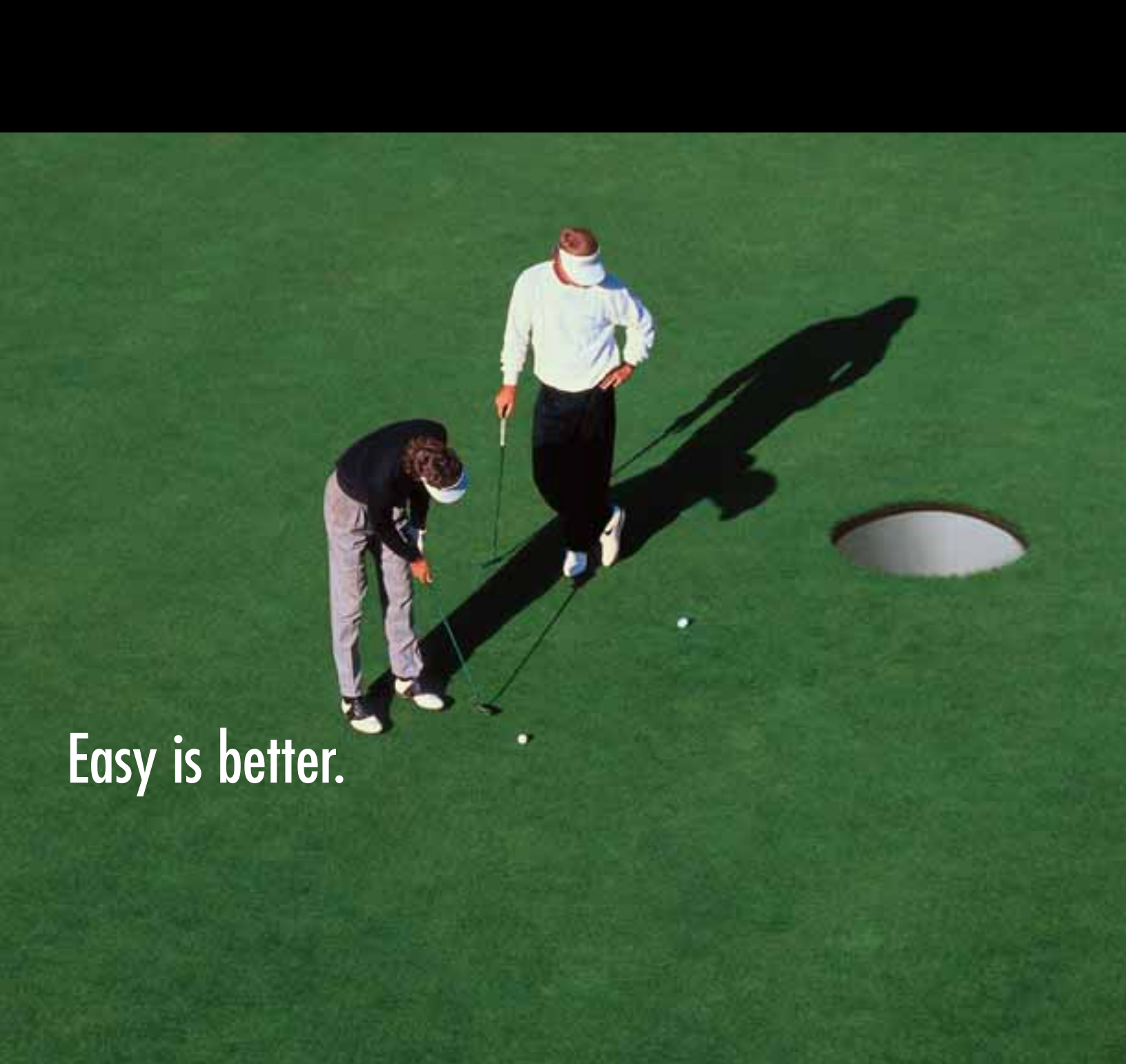
FASTRAX™

HIGH-PERFORMANCE DOORS

RITE·HITE®
DOORS
The Leading Edge In Door Safety.



RITE·HITE®

An aerial photograph of a golf green. Two men are on the green. One man, wearing a white shirt, dark pants, and a white visor, stands with his hands on his hips, looking down at a golf ball. The other man, wearing a dark shirt, light-colored pants, and a white visor, is bent over, preparing to putt the ball. A golf hole is visible to the right of the men. Long shadows are cast across the green, suggesting it is either early morning or late afternoon.

Easy is better.

Easy to apply. Easy to operate. Easy to maintain. Easy to own.
With Rite-Hite's FasTrax™ high-performance industrial doors,
the choice is easy.



Simple design

Designed around a single operational platform, highly versatile FasTrax doors can match virtually any interior, exterior, high-wind, cooler or freezer high-cycle door application – reducing the complexity of maintaining multiple door models in one facility.

Versatile track designs

Able to store the door curtain in multiple track configurations, FasTrax doors fit almost any application with fewer costly building modifications.

The industry's safest door

Multiple safety features including standard Soft-Edge™ Technology, thru-beam photo eyes and optional I-Zone™ make FasTrax an easy choice for safety.

More choices and options

Simple. Choose only the features you need.

Maximum uptime, minimum maintenance

Fewer moving parts mean fewer, less costly repairs and reliable, trouble-free performance.

The industry's highest operating speeds

With operating speeds up to 100" per second, the fast cycle time maximizes productivity and energy savings.

Sleek, compact design

Aesthetically crisp and clean, FasTrax doors have a small footprint and are refined in their appearance and movement.



OK, so we reinvented the wheel.

So what drives FasTrax to be so versatile? So durable? So reliable?
An innovative Rite-Hite door technology that puts a totally new spin on flexibility, performance and uptime.

The Traxion Drive System. The heart of every FasTrax door.

Thanks to Rite-Hite's exclusive Traxion Drive System, FasTrax doors consistently operate at high speeds with maximum reliability for maximum productivity.

This simple design consists of a drive gear, unique drive spheres and a semi-rigid edge material that is attached to the curtain, eliminating the need for counterweights, springs or pulleys which add complexity to the operation and maintenance of a door.

Reliable FasTrax doors operate at speeds up to 100 inches per second, using a variable-frequency drive. This enhances productivity and energy savings by raising the door quickly and reducing cycle times.



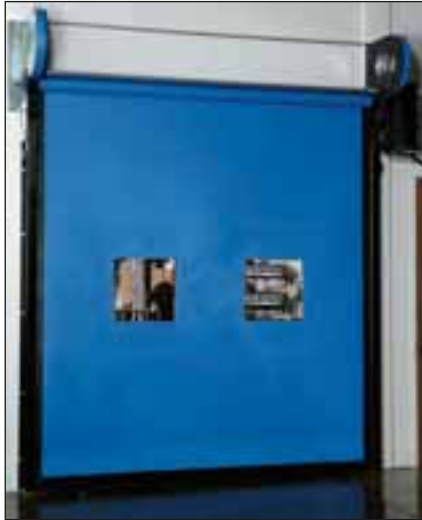
Spaced just 1.5 inches apart, the drive spheres provide tension along the entire curtain.



A minimum of two drive spheres are engaged in the drive gear at all times for consistent, reliable operation.

Lift track configurations for any installation challenge.

Versatile track configurations let you easily match the FasTrax door to your existing opening, without investing extra time and money to remove or reroute obstructions.



Exclusive radial lift

Unique to FasTrax, the radial track configuration positions the door header directly above the door opening. Raceways on each side of the door prevent the fabric curtain from rolling up onto itself. This minimizes fabric wear and tear to keep your door looking cleaner longer.



High lift

A high lift routes the FasTrax door tight to the wall and close to the ceiling.



Standard lift

The FasTrax standard lift fits ceilings with obstructions, or can be used for low-ceiling applications.



Vertical lift

A vertical lift routes the FasTrax tight to the wall, when there is ample ceiling height.



Customized lifts

FasTrax tracks can be easily customized to accommodate even the most unique door applications and installation challenges.

Curtain options for every application and budget.

Choose from a range of door curtain fabrics to match your interior or exterior environment. Options include:

- ▶ 27-ounce fabric (nominal 40 mil) – A cost-effective choice for interior openings.
- ▶ DuraMax 60 fabric (60 mil) – A durable, top-grade fabric, standard for interior openings.
- ▶ DuraMax 80 fabric (80 mil) – An all-weather, external-grade fabric, standard for exterior openings.
- ▶ InsulMax (1" of insulation sandwiched between two layers of 27-ounce fabric) – The industry's only insulated solution for upward-acting high-performance doors.
- ▶ Combine fabrics with a variety of components or vision options to configure a FasTrax door package for virtually any environment or application.



Revolutionary Thermal Air cooler/freezer door.

An industry first, the unique Thermal Air™ System and InsulMax curtain combines an R-4 curtain with a Thermal Air seal, making it the energy-efficient way to handle your toughest cooler and freezer applications.

Consult your Rite-Hite Doors representative for a free ROI analysis.



Thermal Air seal



InsulMax curtain

FASTRAX™

HIGH-PERFORMANCE DOORS

Unique FasTrax side frames add to performance and uptime.

The FasTrax side frame's small footprint – just 4.5 inches wide and projecting out from the wall just 4.7 inches – takes up minimal space, so it doesn't impinge on the door opening and provides maximum clearance to help minimize impacts.



The wear-resistant Lexan guides of the wind retention system are rigid enough to keep tension on the curtain, yet flexible enough to break away when there is an impact.



With a standard wind load of 25 mph on interior doors and 75 mph on exterior doors, FasTrax can fit almost any application. Wind load ratings of 100 mph are possible on smaller doors.

So advanced, it refeeds itself on the fly.

In the event of an impact, a unique refeed system automatically guides the curtain back into the track, quickly and easily, as the door is raised. FasTrax provides TRUE Auto Re-feed™, fixing the door on the fly to keep your door closed and downtime to a minimum.



A forklift accidentally dislodges the FasTrax door's breakaway fabric curtain from the channels in the side frames.



As it's raised, the FasTrax door curtain automatically re-feeds itself back into the side frames.



The adjustable reclose timer returns the door to the closed position – with no need to reset the door at the control box.

Clearly safer.



From a Soft-Edge Technology to VirtualVision light communication to advanced I-Zone area detection technology, FasTrax doors continue Rite-Hite's long legacy of door safety.



I-Zone Area Detection System



Optional non-powered operation



Full-width vision



VirtualVision



i-COMM Digital Communication Controller

Advanced FasTrax safety systems.

Soft-Edge Technology — Continuing Rite Hite's long legacy of door safety, the soft bottom edge helps protect personnel and product from injury and damage, and ensures a tight bottom seal. Soft-Edge safety is the easy choice compared to doors with metal bottom bars.

Photo eyes — Constantly monitoring the door opening, two standard thru-beam photo eyes mounted at 18" and 54" above the floor reverse the door's downward motion if the opening is obstructed.

VirtualVision — Exclusive safety technology available only from Rite-Hite, VirtualVision is designed for use with freezer doors and other doors without vision panels. It alerts your personnel to people, objects or equipment moving on the opposite side of a door. The VirtualVision package includes red LED lights and signs on both sides of the door.

I-Zone Area Detection System — Optional on all FasTrax doors, the I-Zone Area Detection System uses infrared sensors to monitor both sides of a door opening, and prevents the door from closing when a pedestrian enters a seven-foot safety zone.

Vision panels — Flexible urethane vision panels provide a clear, safe view of other traffic.

The right activation for your installation.

A properly activated FasTrax door can improve safety and productivity, separate environments more effectively, minimize door impacts, and reduce maintenance and downtime. We'll help you determine the best activation for your application based on your traffic, your equipment and the physical characteristics of your door opening.

i-COMM Digital Communication Controller — Redefining control box operation and communication, the i-COMM Digital Communication Controller communicates real-time door status via a digital text display window. A troubleshooting feature communicates faults and how to resolve them.

Comprehensive service and support.

Every FasTrax door comes with:

- ▶ A global network of sales, service and installation professionals.
- ▶ A one-year customer satisfaction money-back guarantee.
- ▶ A one-year warranty on the entire door including electrical.
- ▶ A five-year limited warranty on the DuraMax 60 and DuraMax 80 curtain material.



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.



Rite-Hite Industrial and Cold Storage 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.



Barrier Systems

A wide variety of aftermarket parts and service keep your docks protected.

Count on Rite-Hite to improve safety and efficiency at your facility.

Only Rite-Hite offers you the industry's most experienced, most knowledgeable representatives who can help you gain a competitive edge by integrating our quality Rite-Hite products in your facility. Contact your Rite-Hite representative for expert advice on:

- ▶ Minimizing hazards to improve safety
- ▶ Avoiding costly equipment breakdowns and delays
- ▶ Preventing product damage
- ▶ Cutting energy bills
- ▶ Extending equipment service life
- ▶ Saving on maintenance

**RITE-HITE
DOORS**

RITE-HITE®

Frommelt®

Rite-Hite Corporation

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

Mailing Address: Rite-Hite Corporation P.O. Box 245020 Milwaukee, WI 53224 USA

www.ritehite.com www.ritehitedoors.com

D15FTB0107A

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INDUSTRIAL DOORS

Simple design and easy choice for almost any opening

A single operational platform can be used for interior, exterior, cooler, freezer and high-wind applications.

Versatile track configurations

Available with a radial track, standard lift, high lift, full vertical and custom configurations, FasTrax fits almost any opening with fewer costly building modifications.

Simple, menu-based configurability

Choose only the features and options you need.

Reinventing the wheel

The Traxion Drive System's drive gear, edge material and drive spheres eliminate the need for counterweights, springs or pulleys.

Maximum uptime, minimum maintenance

Fewer moving parts mean fewer, less costly repairs and reliable, trouble-free performance.

Industry's highest operating speeds

Operating speeds up to 100" per second allows fast cycle times that maximize productivity and energy savings.

TRUE Auto Re-feed™

After an accidental impact, the FasTrax door re-feeds itself on the fly without human intervention, keeping your door closed and downtime to a minimum.

Industry's safest door

Thanks to Soft-Edge™ Technology, two thru-beam photo eyes and optional large clear vision, I-Zone™ and VirtualVision.



Radial lift

FASTRAX™ HIGH-PERFORMANCE INDUSTRIAL DOORS

Easy is better. Easy to specify. Easy to operate. Easy to maintain. And easy to own. With Rite-Hite's FasTrax high-performance industrial doors, the choice is easy.



High lift



Standard lift



Custom lift

Speed

Up to 100"/sec with standard variable-frequency drive.
Top speed is dependent on door size.

Size

Maximum – 16' wide x 16' high; Minimum – 5' wide x 8' high.

Curtain material

Interior – Blue DuraMax 60 mil, 27 oz vinyl.
Exterior – Blue DuraMax 80 mil.

Side frames

Powder-coated aluminum extrusion, 4-1/2" wide x 4-3/4" projection.

Drive system

2-HP motor, variable-frequency drive, cushioned motor mounts, Traxion Drive System – consisting of a drive gear, drive spheres and a composite-edge material which is attached to the curtain.

Electrical requirements

Single-phase – 240V; Three-phase – 208V, 240V, 400V, 460V, 575V.

Control box

i-COMM™ Digital Controller, variable-frequency drive.

Curtain retention

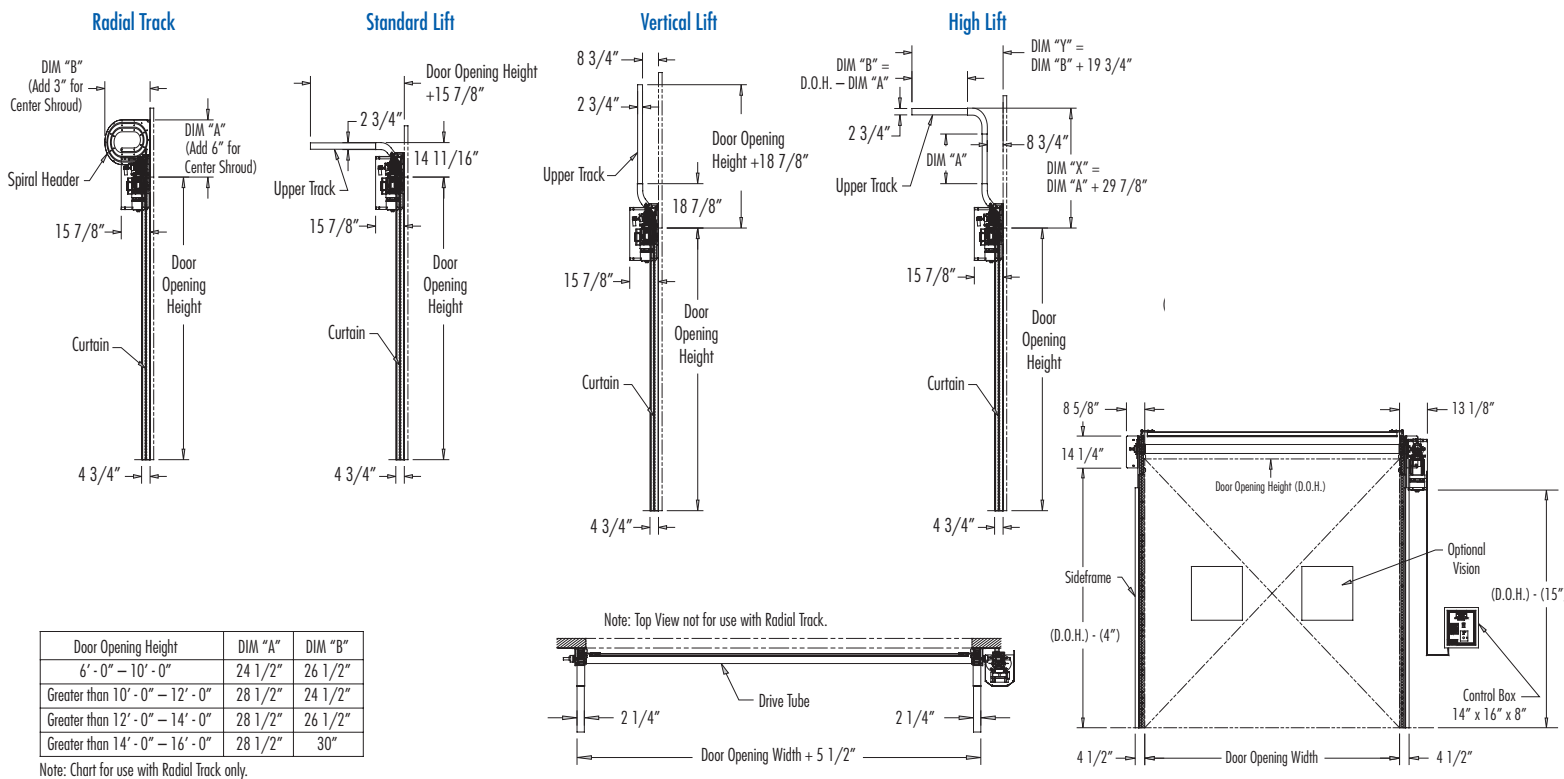
Wear-resistant Lexan wind guides keep tension on the curtain the entire length of the side frame. Standard wind pressure of 25 mph for interior doors and 75 mph for external doors, includes TRUE Auto Re-feed system in case of accidental impacts to curtain.

Safety features

Soft-Edge™ Technology, two thru-beam photo eyes mounted at 18" and 54" off the floor.

Warranty

Limited one-year parts and labor on all components, including electrical. Limited five-year curtain replacement on DuraMax 60 and DuraMax 80 fabric material, excluding vision. Exclusive one-year money-back guarantee of customer satisfaction.



**RITE-HITE
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Mailing Address: Rite-Hite Corporation P.O. Box 245020 Milwaukee, WI 53224 USA

www.ritehite.com www.ritehitedoors.com

BARRIER® COLD-STORAGE DOORS

Simple design and easy choice for almost any opening

Available with a standard lift, high lift, full vertical and custom configurations, FasTrax fits almost any opening with fewer costly building modifications.

Reinventing the wheel

The heart of every FasTrax door, the Traxion Drive System powers the door up and down without the need for counterweights, springs or pulleys.

Maximum uptime, minimum maintenance

Fewer moving parts mean reliable, trouble-free performance and low lifetime ownership cost.

Industry's highest operating speeds

Operating speeds up to 100" per second allows fast cycle times that increase productivity and maximize energy savings.

TRUE Auto Re-feed™

After an accidental impact, the FasTrax door re-feeds itself on the fly without human intervention, keeping your freezer door closed and downtime to a minimum.

Industry's safest door

Thanks to Soft-Edge™ Technology, two thru-beam photo eyes and optional VirtualVision, I-Zone™ infrared sensors and non-powered opening.

Superior full-perimeter seal

Reduces the need for heat lamps and air curtains which can be costly to operate.



FASTRAX™ FR HIGH-PERFORMANCE COLD-STORAGE DOORS

Combining the unique Thermal Air™ System with the InsulMax R-4 curtain provides an innovative, energy-efficient high-performance freezer door. The choice is easy.



Thermal Air seal



InsulMax curtain



Standard lift configuration

Speed

Up to 100"/sec with standard variable-frequency drive.
Top speed is dependent on door size.

Size

Maximum – 10' wide x 16' high; Minimum – 5' wide x 8' high.

Curtain material

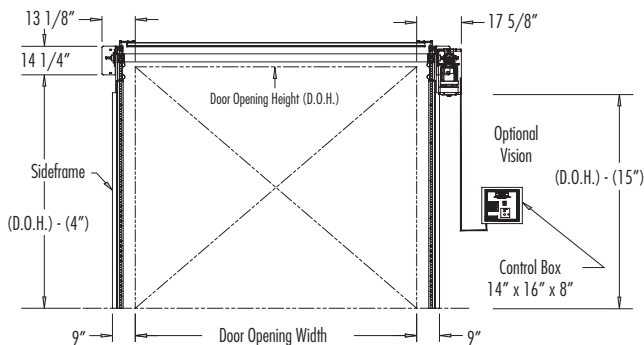
InsulMax – 1" of polyester insulation placed between two layers of 27 oz. vinyl.

Side frames

Powder-coated aluminum extrusion, 4-1/2" wide x 4-3/4" projection.

Drive system

2-HP motor, variable-frequency drive, cushioned motor mounts, Traxion Drive System – consisting of a drive gear, drive spheres and a composite-edge material which is attached to the curtain.



Electrical requirements

Single-phase – 240V; Three-phase – 208V, 240V, 400V, 460V, 575V.

Control box

i-COMM™ Digital Controller, variable-frequency drive.

Curtain retention

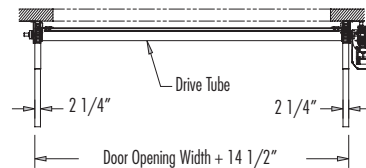
Wear-resistant Lexan wind guides keep tension on the curtain the entire length of the side frame. Standard wind pressure of 25 mph. Includes TRUE Auto Re-feed system in case of accidental impacts to curtain.

Safety features

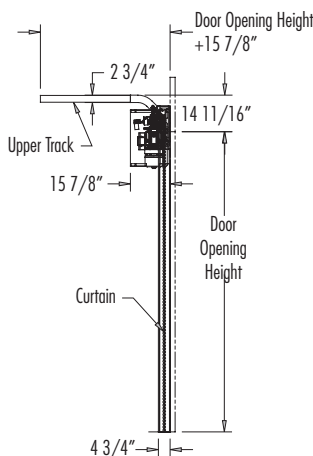
Soft-Edge™ Technology, two thru-beam photo eyes mounted at 18" and 54" off the floor.

Warranty

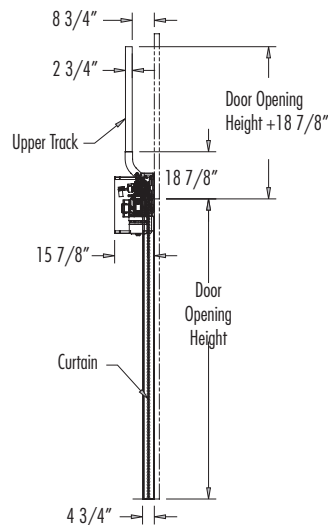
Limited one-year parts and labor on all components, including electrical. Exclusive one-year money-back guarantee of customer satisfaction.



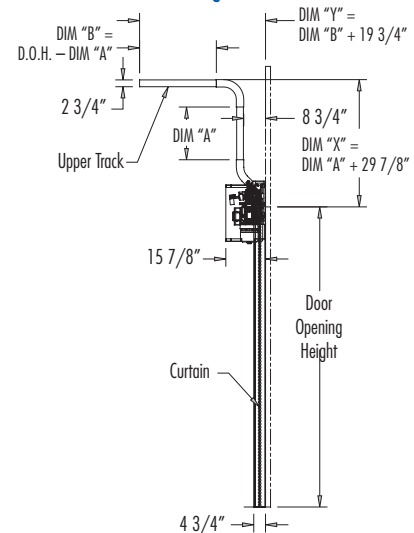
Standard Lift



Vertical Lift



High Lift



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ALPHA DOOR SYSTEMS INC.

OVERHEAD DOORS

Job #		P.H.		
DATE	TIME	HP	V	
DOOR SIZE	DOOR TYPE	DOOR WEIGHT	DOOR SPEED	
FAIR	POOR	FAIR	POOR	UNSAFE
1. CHECK FOR CORRECT TENSION AND WELL-BALANCED DOOR.				
2. CHECK SHAFT FOR LOOSE PARTS OR SIGNS OF WEAR.				
3. TIGHTEN AND INSPECT DOOR HARDWARE.				
4. TIGHTEN AND INSPECT GUIDES AND TRACKS.				
5. MANUALLY OPERATE DOOR AND CHECK OPERATION.				
6. LUBRICATE ROLLERS, BEARINGS, ETC.				
7. ADJUST DOOR FOR SEAL ON FLOOR.				
8. CHECK CONDITION OF WEATHERSTRIP MATERIAL.				
9. INSPECT SPRINGS FOR SIGNS OF COLLAPSE.				
10. INSPECT AND TIGHTEN CONES, BRACKETS, COUPLINGS.				
11. APPLY SERVICE DECAL (NUMBER DOOR).				
12. CHECK DOOR FACE FOR DAMAGE (DENTS).				
13. CHECK DOOR SECTIONS FOR DELAMINATING ETC. (INSIDE)				
14. REPLACEMENTS PARTS REQUIRED:				
MODEL		QTY	SIZE	
17. COMMENTS:				
ELECTRICAL OPERATORS				
18. CHECK CONDITION OF ALL BELTS				
19. CHECK ALL OPERATOR BEARINGS				
20. CHECK ALL SPROCKETS AND CHAINS				
21. CHECK MOUNTING BOLTS TIGHT, WELLS CRACKED				
22. INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS				
23. CHECK ALL CONTROL DEVICES AND SAFETY FEATURES				
24. IS DOOR LOCKED OUT? ALPHA LOCK OTHERS LOCK				

Legend:
Good: Parts have been checked and are currently running in a safe and efficient manner.
Fair: Parts have been checked and may require future maintenance.
Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in Item 17.
Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked-out)

Reviewed With Customer: _____ Date: _____

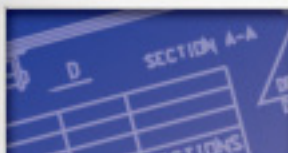
Manufacturers Inc.



UPWARDOR® T.M.
CORP.



THERMALEX® 2000



**COMMERCIAL-INDUSTRIAL
SECTIONAL OVERHEAD DOORS**

Onward and Upwardor®... The Leader in Insulated Door Technology



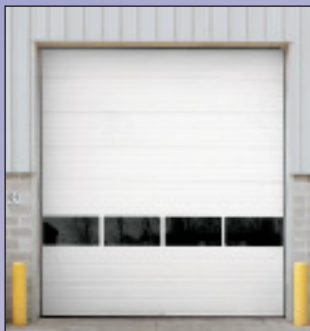
Model U100: Solid/Closed Door

- Offers different thicknesses, with optimum R-Values.
- TX380, TX450, TX450-20, TX500



Model R112G: Thermal Windows

- 18" x 8" (457mm x 203mm) or 24" x 12" (609mm x 308mm) windows, insulated and sealed.
- Available in Black or White moulded PVC frame.
- Other glazing options available; consult factory.
- TX380, TX450, TX450-20, TX500



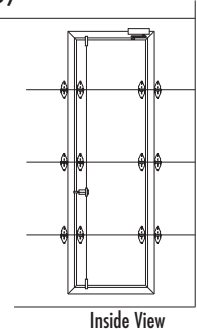
Model V130G: Full View Sections

- Intermediate full-view section, finished in Polyester White or Brown; (up to 30% of door face to a maximum of 3 sections in a door).
- Extruded aluminum, 6063-T6.
- Standard Thermopane glass; (other glazing options available).
- Insulated sealed unit held in place with quick snap-on mouldings.
- TX450, TX450-20 only.

STANDARD WINDOW SCHEDULE			HEIGHT SCHEDULE	
Door Width	Max. # of Windows 18" x 8" frame	Max. # of Windows 24" x 12" frame	Door Height	No. of Sections
8'-2"	3	2	8'-1"	4
10'-2"	4	3	10'-1"	5
12'-2"	4	3	12'-1"	6
14'-2"	5	4	14'-1"	7
16'-2"	5	4	16'-1"	8
18'-2"	6	5	18'-1"	9
20'-2"	6	5	20'-1"	10
22'-2"	7	6		
24'-2"	8	6		

PASS DOOR (optional – only available in TX450)

- Easy access without opening overhead door.
- Energy saving in both heated or air-conditioned buildings.
- Provides entry into building when overhead door is only access or emergency exit in case of power failure.
- Standard size 34"w x 84"h (864mm x 2134mm).



Upwardor®
Manufacturing Plant;
Milton, Ontario

Upwardor® pioneered the polyurethane insulated garage door panel in 1979 and for more than 20 years continues as the leader in the industry due to an unwavering commitment to research and development. The **Thermalex® 2000 Series** is specifically designed and built for commercial and industrial applications. Using only the highest quality materials, steel panels are manufactured to strict tolerances on a fully automated continuous foamed-in-place line resulting in a durable, clean and consistent finished product offering exceptional value.

Key Features and Benefits:

- Polyurethane insulation, CFC 11-Free provides the Highest R-Values and U-Values in the industry, and is environmentally safe and friendly.
- Consistent foam density and foam/steel adhesion with a 95%+ closed cell ratio ensures panel is free of voids or deterioration over time resulting in superior panel strength and optimum insulating efficiency year in, year out.
- Chemically bonded and sealed thermal break – Maximizes door insulating efficiency by preventing heat transfer or panel retention of air or moisture.
- Uniform monolithic panels are dimensionally stable at all temperatures, unaffected by extreme climate conditions.
- Corrosion resistant G60 hot-dipped galvanized steel skins with baked-on primer (.02 mil) and top finish coat (.07mil) of polyester paint. Clean appearance inside and out yet durable for long-term protection against rust and the harshest of environments.
- Tongue and groove joint design (TX450, TX450-20, TX500) with dual-fin weather seal – prevents air, rain, ice and snow infiltration when door is closed. Facilitates installation.
- Exclusive continuous double steel reinforcement hinge strips (TX450, TX450-20, TX500) – permits use of industry standard "full" hinges and allows flexible cut-to-size inventory management.

Continuous Progress through our CONTINUOUS FOAMED-IN-PLACE Process

SELECTION GUIDE

Series # Panel Thickness	Thermallex TX380 1-1/2" (38mm)	Thermallex TX450 1-3/4" (44.5mm)	Thermallex TX450-20 1-3/4" (44.5mm)	Thermallex TX500 2" (50.8mm)
Limited Warranty	5 Year	10 Year	10 Year	10 Year
Hardware/Spring Warranty	1 Year*	1 Year *	1 Year *	1 Year *
Insulation Type/Foam Process	Polyurethane/Continuous	Polyurethane/Continuous	Polyurethane/Continuous	Polyurethane/Continuous
R-Value	14.1	16.3	16.3	18.4
Thermal Break (between exterior & interior skins)	Chemically Bonded & Sealed	Chemically Bonded & Sealed	Chemically Bonded & Sealed	Chemically Bonded & Sealed
Section Joint	Shiplap w/dual-fin weather seal	Tongue & Groove w/dual fin weather seal	Tongue & Groove w/dual fin weather seal	Tongue & Groove w/dual fin weather seal
Gauge Steel Skins - min. (exterior/interior)	26/26	26/26	20/26	26/26
Horizontal Hinge Plate(s) (reinforcement strip)	One Continuous 1-1/4"(31.8mm) 20ga Strip	Two Continuous 1-1/4"(31.8mm) 20ga Strips	Two Continuous 1-1/4"(31.8mm) 20ga Strips	Two Continuous 1-1/4"(31.8mm) 20ga Strips
End Stiles - Galvanized	20ga	20ga or 16ga	20ga or 16ga	20ga or 16ga
Colors Available (interior always white)	Bright White/Brown	Bright White/Brown	Bright White only	Bright White only
Panel Appearance (texture)	Horizontal Ribs (Stucco embossed)	Horizontal Ribs (Stucco embossed)	Flush - No Ribs (Stucco embossed)	Horizontal Ribs (Stucco embossed)
Maximum Standard Width	**16'2" (4928mm)	** 28'0" (8534mm)	** 24'6" (7468mm)	** 28'0" (8534mm)
Maximum Standard Height	**16'0" (4877mm)	** 20'0" (6096mm)	** 20'0" (6096mm)	** 20'0" (6096mm)
Insulated Windows	Sealed Units 18" x 8" or 24" x 12"	Sealed Units 18" x 8" or 24" x 12"	Sealed Units 18" x 8" or 24" x 12"	Sealed Units 18" x 8" or 24" x 12"
Full View Aluminum Sections	N/A	White/Brown Insulated Sealed Glass	White/Brown Insulated Sealed Glass	N/A

* Warranty applies to springs & hardware as (if) supplied by Upwardor®.

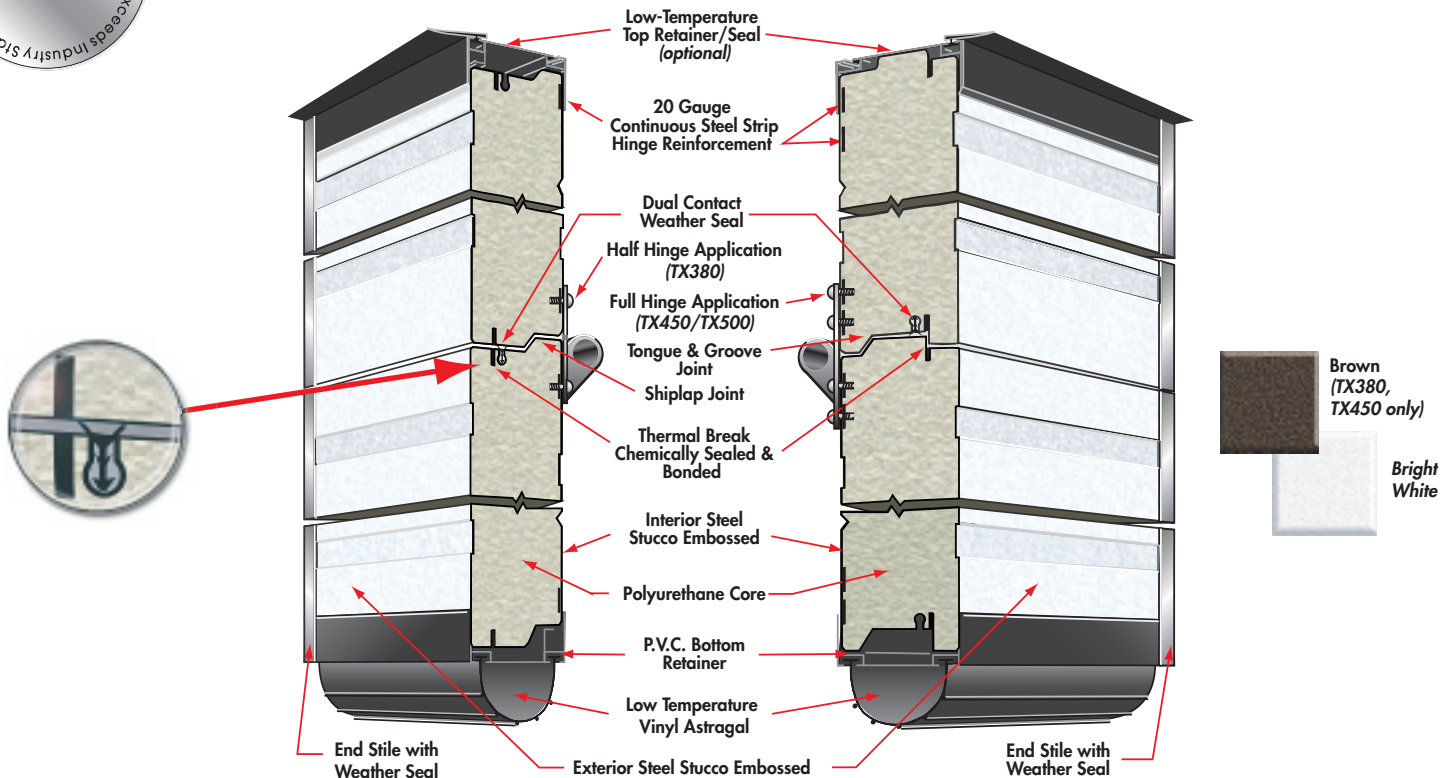
**Consult Factory for special applications and larger available sizes.



THERMALEX® 2000

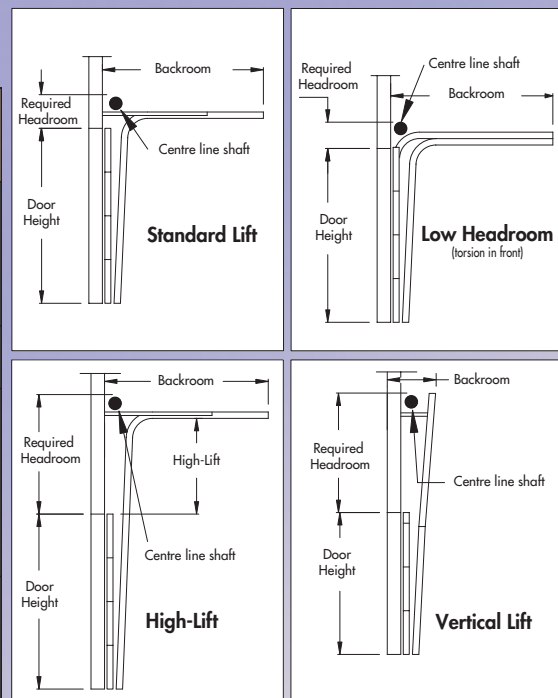
Series TX380

Series TX450/Series TX500



THERMALEX® 2000

LIFT TYPE	SPECIFIC PARAMETERS	HEADROOM*			SIDE ROOM*				BACKROOM*
		2" Track		3" Track	2" Track		3" Track		2" and 3" Track
		12" radius	15" radius	15" radius	Angle Mount	Bracket Mount	Angle Mount	Bracket Mount	
STANDARD LIFT	Door Height up to 18' (5.49m)	13" (330mm)	16" (406mm)	18" (457mm)	3.25" (83mm)	3.75" (95mm)	3.5" (89mm)	4.25" (108mm)	Door Height +18" (+457mm)
	Door Height above 18' (5.49m)	N/A	N/A	20" (508mm)					
VERTICAL LIFT	Max Door Height 28' (8.53m)	Door Height +18" (457mm)			3.25" (83mm)	3.75" (95mm)	3.5" (89mm)	4.25" (108mm)	18" (457mm)
HIGH-LIFT	High Lift up to 54" (1.37m)	N/A	Hi-Lift +9.5" (+241mm)	Hi-Lift +11.5" (+292mm)	3.25" (83mm)	3.75" (95mm)	3.5" (89mm)	4.25" (108mm)	Door Height - Hi-Lift +30" (+762mm)
	High Lift up to 120" (3.05m)	N/A	Hi-Lift +11.5" (+292mm)	Hi-Lift +12.5" (+318mm)					
	High Lift up to 164" (4.17m)	N/A	Hi-Lift +12" (+305mm)	Hi-Lift +13.5" (+343mm)					
LOW HEADROOM	Max Door Ht. 18' (5.49m)	Torsion in front	10" (254mm)	12" (305mm)	8" (203mm)	7" (178mm)	8" (203mm)	8" (203mm)	Door Height +18" (+457mm)
		Torsion in rear	6" (152mm)	N/A					



*Minimum requirement for normal installation conditions.

Specifications:

PART 1 GENERAL

1.1 Sectional Doors

Doors shall be **Thermalex® Series TX380, TX450, TX450-20, TX500 –Thermalex® Models U100, R112G, V130G** as manufactured by **Upwardor® Corporation**. Operation shall be manual push-up operation and include sections, track, brackets, and hardware to suit door opening and headroom available.

1.2 Related Work

All framing work, spring pads, frame extensions, caulking and electrical wiring shall be under other divisions.

PART 2 PRODUCT

2.1 Door Sections

Door sections shall be roll-formed continuous steel sheets, corrosion resistant Z275 ASTM, stucco embossed, and ribbed for added strength. Exterior steel skins shall be pre-finished in bright white or brown with bright white interior skin. Paint finish shall be of Polyester. **TX450, TX450-20 and TX500** door sections shall have a Tongue and Groove Joint with dual fin weather strip between section joints. **TX380** door sections shall have a shiplap joint also with dual fin weather strip between section joints. Door sections shall be thermally broken and chemically sealed and bonded for added weather resistance. Sections shall be insulated with CFC 11 free polyurethane, foamed-in-place by means of **Continuous Process**. Interior skin of each **TX450, TX450-20 and TX500** section shall be reinforced by two continuous 1-1/4" (32mm) wide steel strips, 20 gauge, at top and bottom of section for mounting of either half or full hinge. **TX380** sections shall have one continuous hinge strip reinforcement at top and bottom of section for mounting of half hinge.

2.2 Glazing

Glazing for Model R112G shall be of 1/8" (3mm) thermopane sealed unit, clear, fitted into 18"x 8" (457mm x 203mm) or 24" x 12" (609mm x 308 mm) moulded plastic frame in black or white. V130G aluminum framed full view section shall be glazed with 1/8" (3mm) thermopane sealed unit (overall thickness 1/2" with 1/4" air space), clear, fitted with removable moulding for easy replacement. **Note:** other glazing options available, please consult factory.

2.3 Hardware

Upwardor® Corp. hardware shall be of galvanized steel, G60 ASTM, with gauge thickness to suit applications and shall be in accordance with drawings and specifications.

2.4 Tracks

Tracks shall be 2" (51mm) minimum, 14 gauge, or 3" (76mm) minimum, 12 gauge. All vertical tracks shall be bolted and assembled to a continuous 2" (51mm) x 4" (102mm) vertical angle, minimum 14 gauge, or to jamb brackets, 11 gauge, and shall be fully adjustable. Horizontal tracks shall have a maximum radius of 15" (381mm) with a continuous 12 gauge angle, 1-1/2" (38mm) x 2" (51mm), welded to the horizontal tracks.

2.5 Hinges/Rollers

Roller carriers shall be a minimum 13 gauge galvanized steel to suit door width. Doors 16' (4877mm) wide and over require double end hinges, along with strut bar reinforcement. Rollers shall be of 2" (51mm) or 3" (76mm) diameter, 10 ball bearing with hardened raceway and cold rolled 7/16" (11mm) x 4-1/2" (114mm) stem. Long stem 7" (178mm) rollers shall be supplied with double end hinges.

2.6 Torsion Springs

Torsion springs shall be oil tempered with minimum 10,000 standard cyclage (specify higher cyclage if required to maximum of 100,000 cycles) fitted on a continuous 1" (25mm) hollow, 14 gauge tube shaft, or on a 1" (25mm) cold rolled solid shaft, keyed, and mounted on ball bearings, supported by heavy gauge gusset plates. Counter weight system available on request. For added strength, 1-1/4" (32mm) diameter solid shaft and pillow block bearings also available.

2.7 Cable Drums

Cable drums shall suit the type of lift required and be able to withstand maximum cycle requirements. Cables shall be of galvanized aircraft grade, 7 x 19 construction, designed to suit door weight at a safety factor of 8 to 1.

NOTE: When specifying Chain Hoist or Jack Shaft Electrical operator on standard lift doors, specify solid shaft, spreader bars and pusher springs.

PART 3 INSTALLATION

3.1 Installation

Installation of doors to be executed by qualified dealer/installer in accordance with installation instructions or shop drawings by **Upwardor® Corporation**.



Dealers world-wide:

Contact us for a Dealer nearest you.

Manufacturers of Commercial/Industrial and Residential Garage Doors and Operators

8025 Lawson Road • Milton, Ontario, Canada • L9T 5C4

Toll Free: 1-800-667-3367

• Tel: (905) 876-3667 • Fax: (905) 876-3533

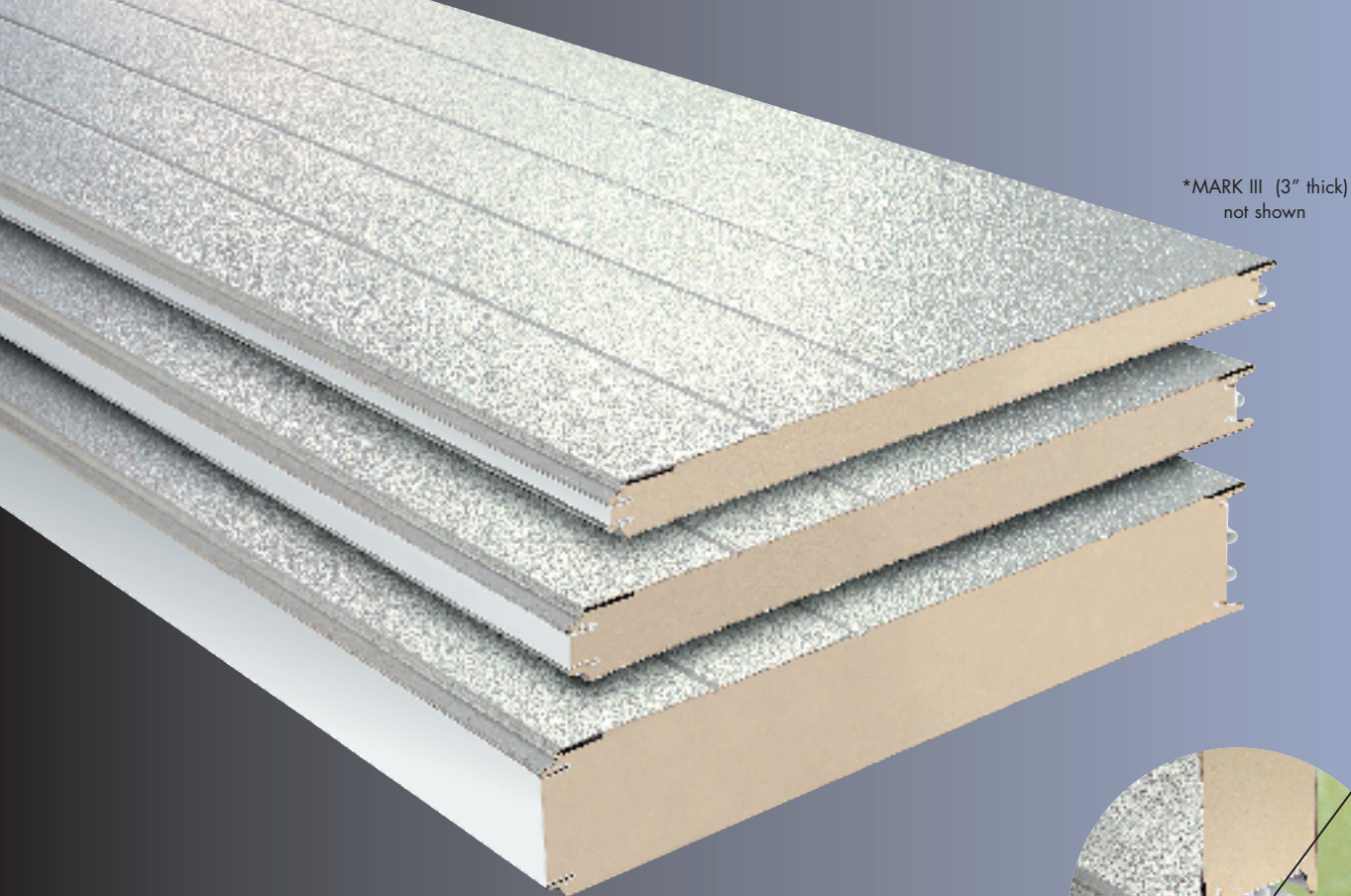
• E-mail: upwardor@upwardor.com

www.upwardor.com

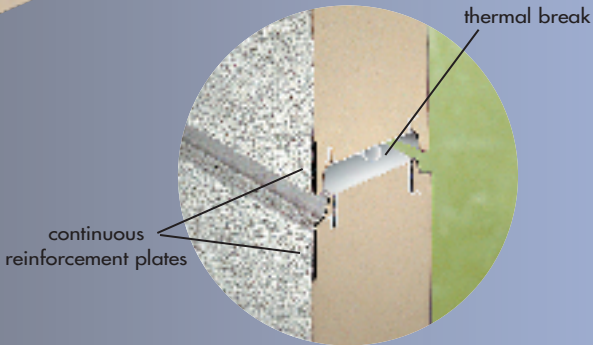
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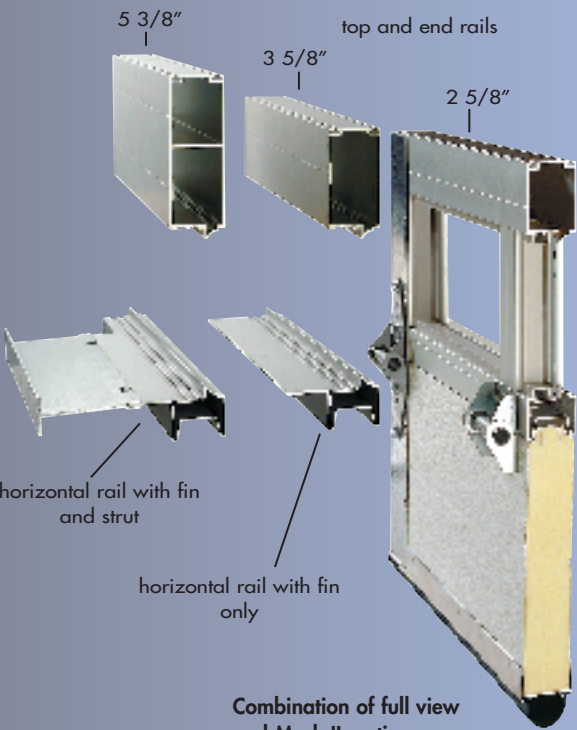
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*MARK III (3" thick)
not shown



Tongue-and-groove joint with
air-tight integral weatherstrip



Combination of full view
and Mark II sections

Features

•FOUR DOOR THICKNESSES WITH SUPERIOR R-VALUES

Model	Thickness	R-value
MARK I	1 5/8" (41mm)	R=14.30 (RSI=2.51)
MARK II	2" (50mm)	R=18.20 (RSI=3.20)
MARK III	3" (78mm)	R=27.90 (RSI=4.90)
MARK IV	4" (100mm)	R=37.20 (RSI=6.54)

•HIGH QUALITY STEEL AND ALUMINUM SKINS IN A WIDE SELECTION OF GAUGES

Steel	Aluminum
26 GA (0.41mm)	24 GA (0.60mm)
20 GA (0.86mm)	18 GA (1.02mm)
16 GA (1.42mm)	16 GA (1.30mm)

•TONGUE-AND-GROOVE JOINT WITH AIR-TIGHT INTEGRAL WEATHERSTRIP

•CONTINUOUS REINFORCEMENT PLATE FOR HINGES ATTACHMENT

•AUTHENTIC THERMAL BREAK

MARK I : 3/8" (9mm)
MARK II : 3/4" (18mm)
MARK III : 1 3/4" (43mm)
MARK IV: 2 3/4" (68mm)

•WIDE SELECTION OF FINISHES

Steel	Aluminum
26 GA: prepainted off-white or brown	24 GA: prepainted white
20 GA: pre-painted off-white	18 GA & 16 GA: clear anodized (optional)
16 GA: enamel paint (optional)	enamel paint (optional)

Prepainted Colors

Steel



Brown



Off-white

Aluminum



White

Polyurethane Insulated Doors

MARK I, II, III, IV



THERMOSTOP

THE GARAGE DOOR

Since 1984, THERMOSTOP has been a proud manufacturer of high quality polyurethane sectional garage doors.

The Thermostop insulated door has all the features that make it a superior product: tongue-and-groove joint, integral air-tight weatherstrip, continuous reinforcement plate and many other advantages.

The Thermostop doors offer you a wide range of thicknesses (1 5/8", 2", 3" and 4") with the highest insulation values on the market (R=14.3 to R=37.2).

With THERMOSTOP, you can also have your choices of steel gauges (26GA to 16GA) and aluminum gauges (24GA to 16GA).

The Thermostop door, backed by a comprehensive warranty program, is the answer to your requirements for a superior garage door.

THERMOSTOP INC

3 7 7 5 L o s c h B l v d

S t - H u b e r t , Q u e b e c

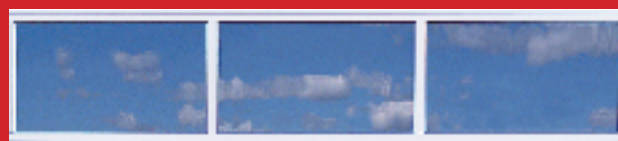
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T e l : (4 5 0) 6 7 8 - 8 6 6 6

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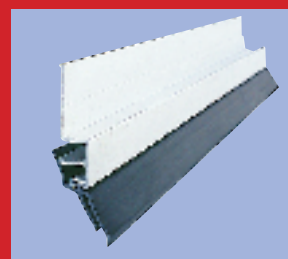
W e b s i t e : w w w . t h e r m o s t o p . c o m



Full view (type A) glazed section



Type E windows
24"x12" (610mm x 305mm)



Perimeter
weatherstrip



U-shape
bottom weatherstrip
with aluminum retainer



Inside view of door

WARRANTY

Ten years conditional warranty on the finish of the pre-painted galvanized steel or aluminum skins. Five years against delamination. One year on materials and workmanship. Please refer to our Warranty Certificate.

Specifications : Section 08362

Design criteria

- .1 Design doors to withstand windload of 1kPa with a maximum horizontal deflection of 1/120 of opening width.
- .2 Design door assembly with thermal insulation factor of R=14.30 (MARK I) [or R=18.20 (MARK II) or R=27.90 (MARK III) or R=37.20 (MARK IV)]

Materials

- .1 **Galvanized steel sheet:** commercial quality to meet ASTM A653-94, with Z180 zinc coating.
[or .1 **Aluminum sheeting:** commercial quality 5005 H14 aluminum.]
- .2 **Insulation:** polyurethane injected at high pressure, density of 41,0 kg/cubic meter, to meet CGSB 51-GP-21M.

Doors

- .1 **Reference product:** THERMOSTOP MARK I [or MARK II or MARK III or MARK IV] doors, as manufactured by THERMOSTOP INC. 3775 Losch blvd, Saint-Hubert, Quebec, J3Y 5T7, Phone: (450) 678-8666, Fax: (450) 678-7765, Web site: www.thermostop.com

- .2 **Door joint and skins:** high quality galvanized steel [or aluminum] sheeting roll formed into an exclusive "TONGUE AND GROOVE" joint, providing a TRUE THERMAL BREAK. Exterior sheeting and interior sheeting shall be:

<u>Option A: Steel</u>	or	<u>Option B: Aluminum</u>
0.41mm (26GA) stucco pre-painted		0.60mm (23 GA) stucco pre-painted
or [0.86mm (20GA) pre-painted]	or	[1.02mm (18GA) mill finish]
or [1.42mm (16GA) satin coat finish]	or	[1.30mm (16GA) mill finish]

- .3 **Manufacturing process:** The inner core shall consist of rigid polyurethane insulation foamed in place at high pressure between two skins.
- .4 **Door thickness and R-value:** the doors shall be 41 mm (1 5/8") thick (R=14.30) [or 50mm (2") thick (R=18.20) or 75mm (3") thick (R=27.90) or 100mm (4") thick R=37.20].
- .5 **Thermal break:** true THERMAL BREAK of 9mm (3/8") for MARK I [or 18mm (3/4") for MARK II or 43mm (1 3/4") for MARK III or 68mm (2 3/4") for MARK IV] will separate the exterior skin from the interior one.

- .6 **Joint seal:** between each two sections shall be a U-shaped double contact PVC weatherstrip.

- .7 **Glazing:** [2 options available]

* **type A:** available only for model MARK II. Full view glazed (3mm/3mm) section made of aluminum extrusions.

* **type E:** standard 610mm x 305mm windows. White PVC frame with a 3mm/3mm thermo sealed glass unit.

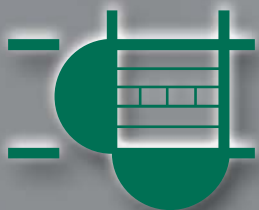
NOTE: other types of glazing are available. Please consult detailed specifications.

- .8 **End caps:** each section shall be equipped with 1.4mm (16 ga.) thick galvanized steel end caps.

- .9 **Finish:** 1) **prepainted off-white** (26 GA or 20 GA steel) 2) **prepainted brown** (26GA steel) 3) **prepainted white** (24GA aluminum) 4) **enamel factory paint (optional)** (16 GA steel or 18 GA and 16 GA aluminum) 5) **clear anodized (optional)** (18 GA and 16 GA aluminum).

NOTE: For complete and detailed standard specifications (including specifications on hardware and electric operators) call THERMOSTOP INC.

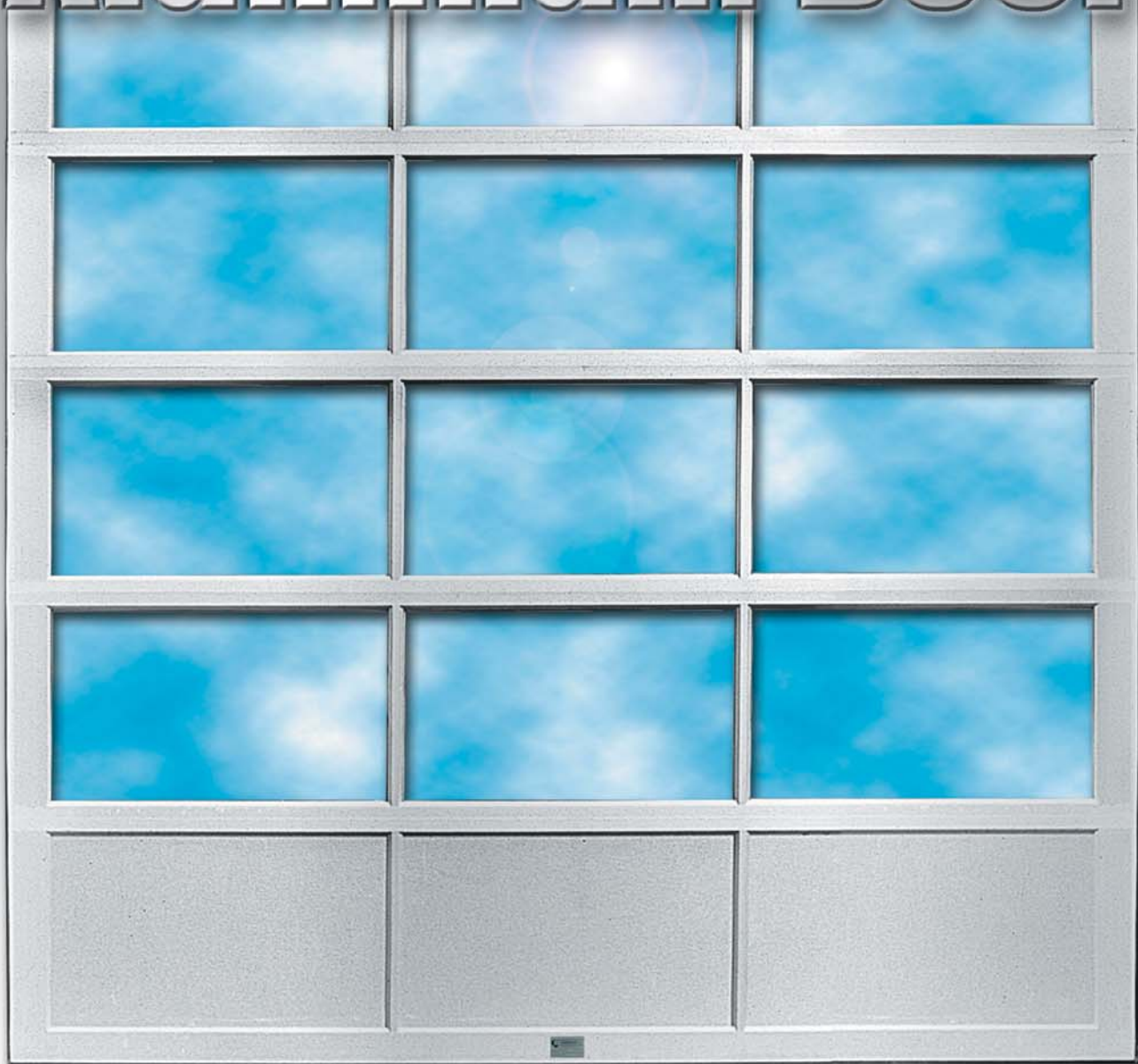
3775 Losch blvd, Saint-Hubert, Quebec, J3Y 5T7, Phone: (450) 678-8666, Fax: (450) 678-7765 or consult our Web site: www.thermostop.com



UPWARDOR® T.M.
CORP.



AL976 Aluminum Door



BUILT TO EXCEED

Upwardor® Moves Ahead...



Manufactured since 1976, **Upwardor®'s AL976 Aluminum** door offers a variety of exclusive options for applications that require superior strength, maximum visibility and unlimited light transmission. Its' revolutionary construction allows customized designs for openings up to 24 feet wide.

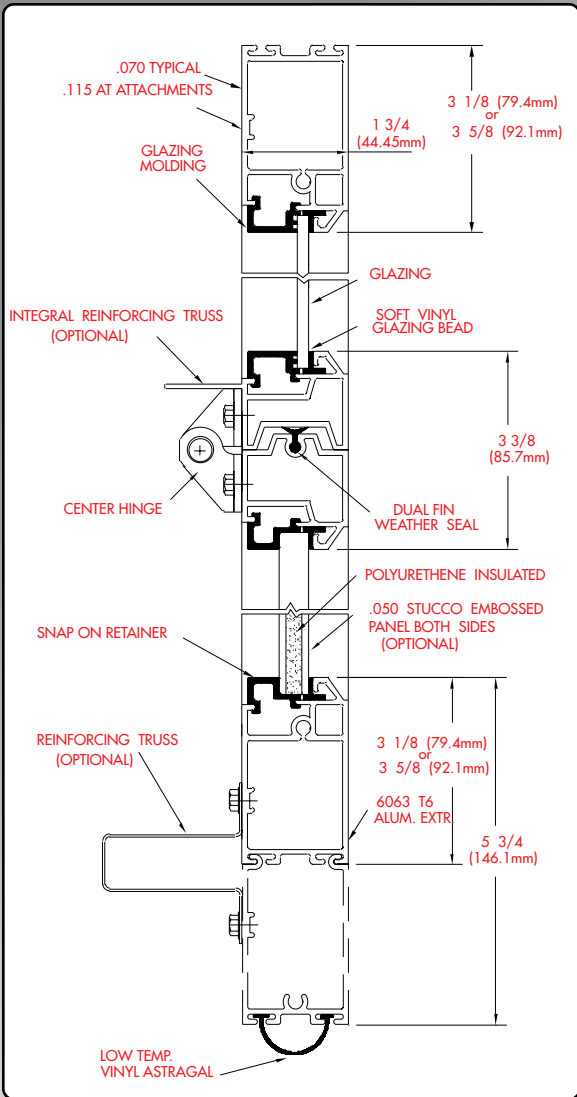
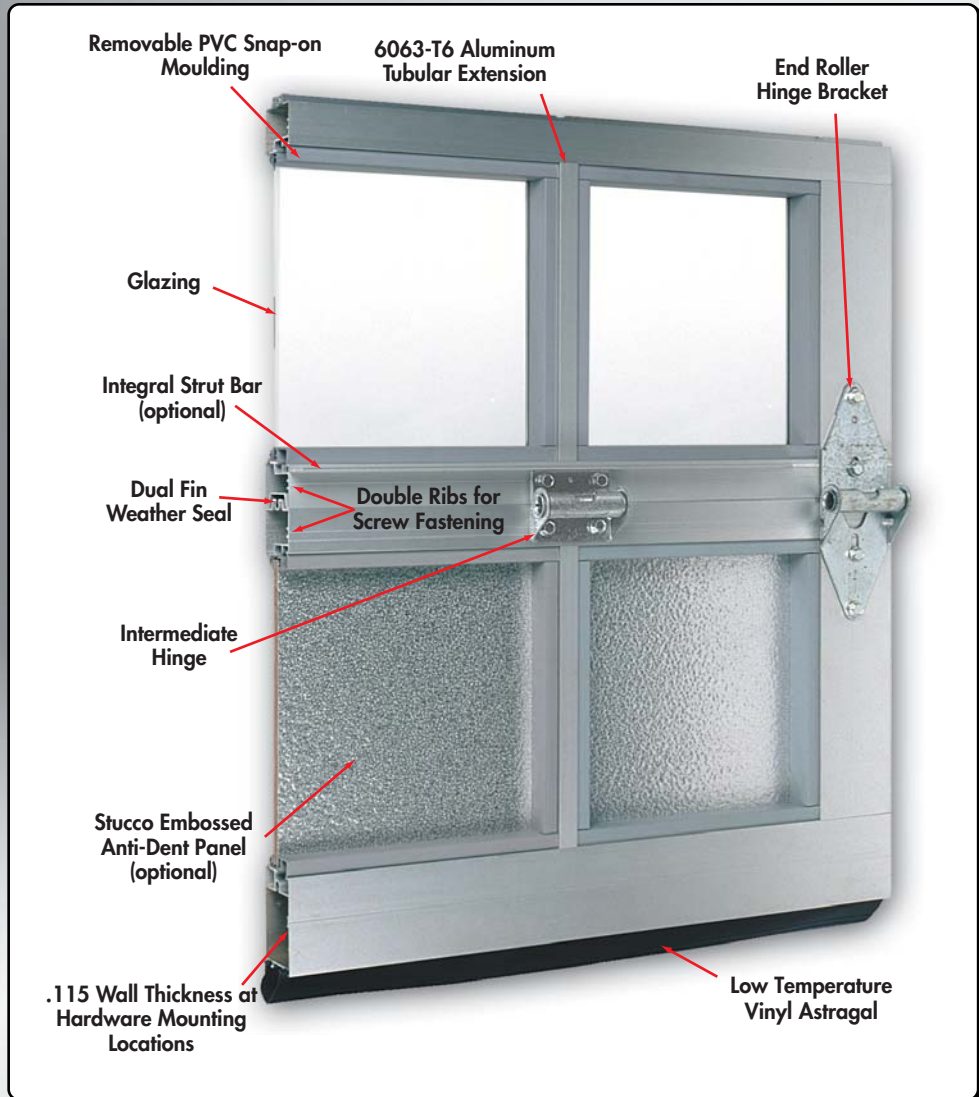
All aluminum members are manufactured from extruded **6063-T6** aluminum alloy in a standard clear anodized finish. A diverse range of custom anodized colours and paint finishes are also available to enhance its appearance. Since its introduction, the **AL976** has proven itself in a wide variety of applications such as Service Stations, Lube Shops, Fire Halls, Bus Terminals, Restaurant fronts and other such industrial/commercial facilities. Built to last, the **AL976** incorporates a number of features to ensure long term durability and performance such as:

- Horizontal members with integral strut bars.
- Tongue and groove section joints with weather seal.
- Horizontal members with face dimensions to incorporate half and full hinges.
- "Removable" snap on PVC mouldings and soft vinyl glazing bead.
- Glazing options: tempered glass, thermopane, Polycarbonate, acrylic or lexan.
- Solid bottom options: stucco panel, anti-dent panel or **Thermallex®** panel.

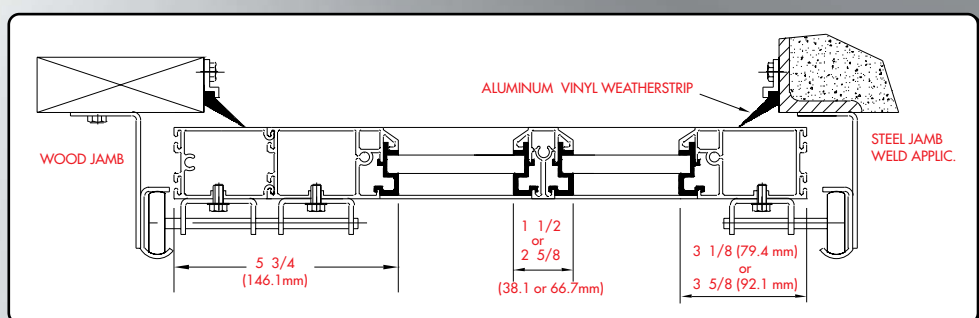
These are but a few of the many attributes that takes the **AL976** a step beyond other aluminum framed doors. Renowned for its quality and durability, **Upwardor®'s AL976 Aluminum** door is another exquisite example of the pride and knowledge we put into every product we build.

Proven Superior Quality Through Continuous Design & Innovations

With over 20 years manufacturing experience, **Upwardor® Corporation** is a trade mark of excellence in design and quality. Due to our continuous innovations, **Upwardor®** products are consistently rated above and beyond industry standards. Our firm dedication to move forward has made the **AL976** aluminum door the premier choice of the industry.

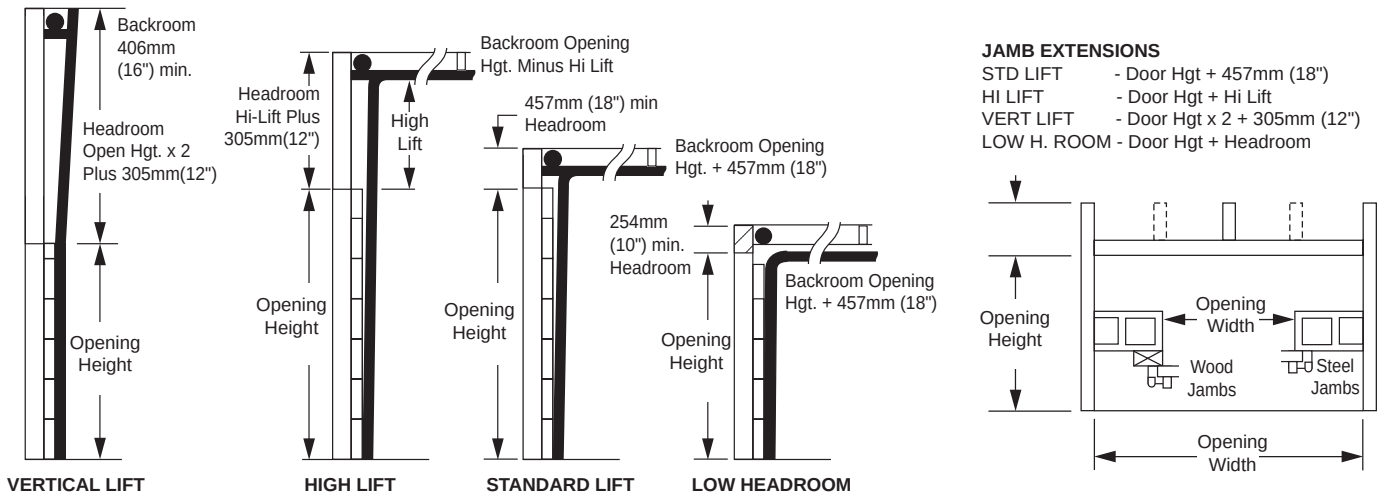


Section Schedule		Panel Schedule	
Door Height	Sections High	Door Width	Panels Wide
8'-6" or less	4	8'-2" or less	2
8'-7" to 10'-6"	5	8'-3" to 11'-2"	3
10'-7" to 12'-6"	6	11'-3" to 14'-2"	4
12'-7" to 15'-0"	7	14'-3" to 17'-2"	5
15'-1" to 17'-0"	8	17'-3" to 20'-2"	6
17'-1" to 19'-6"	9		
19'-7" to 22'-6"	10		



Door Specifications:

AL976 Aluminum



Sectional Doors: Doors shall be of **AL976 Aluminum** as manufactured by **Upwardor® Corporation**, 1094 Westport Cres., Mississauga, Ontario, L5T 1G1, Canada.

Door Sections: **AL976 Aluminum** sections shall be 45mm (1-3/4" thick and extruded from 6063-T6 aluminum alloy in a standard clear anodized finish. All aluminum members shall be of tubular extrusions with wall thickness of .070 and .115 thickness at hardware mounting locations. Stiles and end rails to be double tenon and assembled with self threaded bolts. Top and bottom rail shall be minimum of 80mm (3-1/8") or 92mm (3-5/8"), for doors 16'-0" and wider bottom rail shall be 146mm (5-1/2") reinforced with galvanized steel hat strut bar. Meeting rails shall be 86mm (3-3/8") high incorporating full width integral strut bar for doors 16' - 0" wider. Centre stiles shall be 38mm (1-1/2") for centre half hinge and 42mm (2-5/8") for centre full hinge. End stiles to be 80mm (3-1/8") or 92mm (3-5/8") for single end hinge and 146mm (5-1/2") wide for double end hinges. Bottom section to be **Thermalex® 2000** stucco embossed insulated panel (optional), single .050 stucco aluminum panel or 10mm (3/8") anti-dent double aluminum stucco panel. Sections shall have dual fin weather seal between joints and exterior perimeter weather strip of aluminum extrusion with low temperature vinyl.

Glazing: Glazing materials to be single glass 3mm clear, .050 stucco aluminum panel or 13mm (1/2") thermopane sealed units up to 168 sq. ft. set in a continuous soft vinyl bead held in place with a removable type P.V.C. snap on moulding.

Tracks: Shall be of 51mm (2") minimum, 14 gauge (2mm), or 76mm (3") minimum, 12 gauge (2.7mm). All vertical tracks shall be bolted and assembled to a continuous 51mm (2") x 102mm (4") vertical angle, minimum 14 gauge (2mm), or to jamb brackets, 11 gauge (3mm), and shall be totally adjustable. Horizontal tracks shall have a maximum radius of 381mm (15") with a continuous 12 gauge (2.7mm) angle, 38mm (1-1/2") x 51mm (2"), welded or bolted to the horizontal tracks.

Hinges: Roller carriers shall be minimum 13 gauge (2.4mm) galvanized steel to suit door width. (16'-0" wide doors and over; specify double end hinges, along with hat strut bar reinforcement). Rollers shall be of 15mm (2") or 76mm (3") diameter, 10 ball bearing with hardened raceway and cold rolled 1mm (7/16") x 114mm (4-1/2") stem. Long stem, 203mm (8"), rollers supplied with double end hinges.

Torsion Springs: Shall be oil tempered with 10,000 standard cyclage (specify higher cyclage if required to maximum 100,000 cycles) fitted on a continuous 25mm (1") hollow, 14 gauge (2mm) tube shaft, or on a 25mm (1") or 32mm (1-1/4") cold rolled solid shaft, keyed and mounted on ball bearings, supported by heavy gauge gusset plates, (counter weight system available on request).

Cable Drums: Shall suit the type of lift required and be able to withstand maximum cycle requirements. Cables shall be of galvanized aircraft grad, 7x19 construction, designed to suit door weight at a safety factor of 8 to 1.

Note: When specifying Chain Hoist or Jack Shaft Electrical operator on standard lift doors, specify solid shaft, spreader bars, and pusher springs.

Work By Others: All framing work, spring pads, frame extensions, caulking and electrical wiring shall be under other divisions.

Options: **Upwardor®** offers a full range of hardware lift type options, door operating devices, and safety features. Please consult factory for specifications.



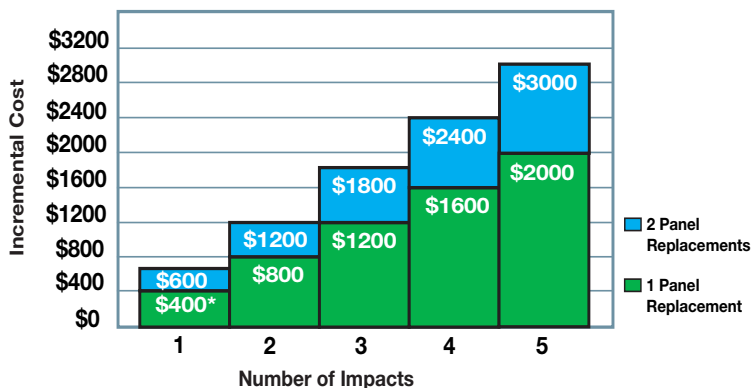
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Dealers Nation-wide:
Call us for the Dealer nearest you.

8025 Lawson Road
Milton, Ontario • Canada • L9T 5C4
• Phone: 905-876-3667 • Fax: 905-876-3533
• Call Toll-Free: 1-800-667-3367
• e-mail: upwardor@upwardor.com
Visit our Web Site: www.upwardor.com

Distributed by:

STEEL-RITE II Can Pay for Itself After Just One Impact



* Estimates based on average cost to replace a traditional sectional door panel.
Damage to track not included in estimate.

For Maximum Door Damage Protection, Consider the Workhorse™ 1000 Sectional Door



Only the Workhorse 1000 offers you all these advantages:

- Fully impactable door withstands the harshest environments
- Enclosed counterweight design makes operation easy, with no door driftdown. Spring option available
- Unique breakaway system allows door to take a hit and be quickly put back into operation
- Rugged construction ensures long-term durability
- Simple design means fewer parts, fewer repairs, less downtime
- Energy-saving design with full perimeter seal and insulated inner core



Rite-Hite Corporation
8900 North Arbon Drive
Milwaukee, Wisconsin 53223-2472
(414) 355-2600 or toll-free: (800) 456-0600
Fax: (414) 355-9248 www.ritehite.com

**RITE-HITE®
DOORS**
The Leading Edge In Door Safety.

D8SRIIB804A

How Much is Sectional Door **Damage** Costing You?

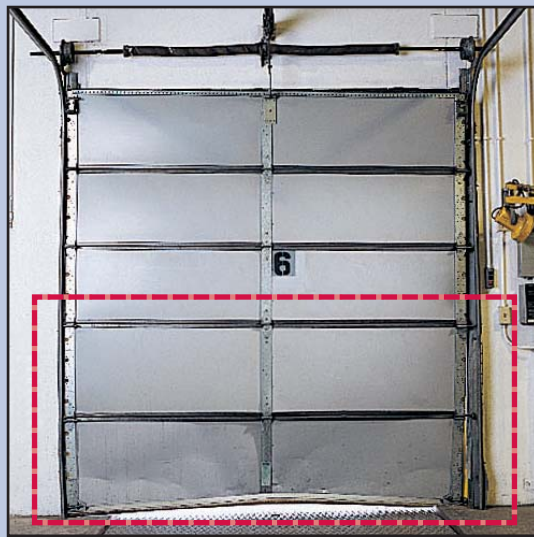


**RITE-HITE®
DOORS**
The Leading Edge In Door Safety.

PROBLEM: Sectional Door Damage

Expensive and Decreases Productivity

Conventional steel sectional doors are susceptible to impact damage, resulting in significant maintenance costs and downtime.



IMPACT ZONE

The most common impacts occur to the bottom two (2) panels of the door when forklifts bump into the panels with forks or loads.

SOLUTION: STEEL-RITE™ II Sectional Doors

Reduce Maintenance Costs and Downtime

New Steel-Rite II Sectional Doors look similar to conventional doors, but can withstand common impacts. In fact, the door pays for itself after it withstands just one impact.



The bottom two (2) panels of the door are engineered for a unique, impactable design. Durable Aketon™ facing and insulation are added to the interior to provide enhanced impactability from forklift bumps.

Unique pivoting roller assemblies allow bottom two (2) panels to separate from the track to help minimize door damage. Simply reset the roller assemblies, and the door continues to operate smoothly.



Roller assembly released following impact



Roller assembly repositioned in track to resume operation

ALPHA DOOR SYSTEMS INC.

DOOR OPENERS

Job # _____

ALPHA DOOR SYSTEMS
1000 E. 10th St. Ste. 100
Billings, MT 59102-3700
Phone: (406) 251-1111 Fax: (406) 251-1112

DOOR SIZE: _____ DOOR # _____

OPERATOR: _____

	GOOD	FAIR	POOR	UNSAFE
1. DOOR OPERATOR				
2. DOOR LOCK				
3. DOOR SEALS				
4. DOOR SPRINGS				
5. DOOR CABLES				
6. DOOR ROLLERS				
7. DOOR TRACKS				
8. DOOR CLOSING				
9. DOOR OPENING				
10. DOOR LATCH				
11. DOOR HANDLE				
12. DOOR KEYS				
13. DOOR REMOTE				
14. DOOR SENSORS				
15. DOOR SAFETY				
16. DOOR INSULATION				
17. COMMENTS:				
ELECTRICAL OPERATORS				
18. CHECK CONDITION OF ALL BELTS				
19. CHECK ALL OPERATOR BEARINGS				
20. CHECK ALL SPROCKETS AND CHAINS				
21. CHECK MOUNTING BOLTS TIGHT, WELLS CRACKED				
22. INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS				
23. CHECK ALL CONTROL DEVICES AND SAFETY FEATURES				
24. IS DOOR LOCKED (OFF)?				
Legend				
Good: Parts have been checked and are currently running in a safe and efficient manner.				
Fair: Parts have been checked and may require future maintenance.				
Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in Item 17.				
Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked-out)				
Reviewed With Customer:				
Date:				

Model **PRO-H**

**Commercial / Industrial Belt
Drive Jackshaft w/ chain hoist**



► 2 Year Warranty ► Continuous duty motor with overload protection ► Heavy duty reversing contactor c/w electrical interlock ► Three Button Control Station ► Heavy Duty 5L V-belt ► #50 Roller chain drive & sprockets ► 3/4" ball bearings on pulley shaft ► 24V Fused control circuit ► Fully adjustable rotary limit switches ► 1" ball bearings on drive shaft ► Baked on dark grey coat finish ► Powder metal limit cams ► Emergency chain hoist with electrical cut-out switch for manual operation ► Full feature logic control board (Optional) ► Adjustable friction clutch ► Chain Keeper ► Left or Right hand mounting ► External radio control terminal strip ► Motor removable without affecting limit settings ► Mechanical Brake System ► Approximate shipping weight 100 Lbs.

Quality Pros Can Count On

Suggested Architect Specifications

Technical Info:
1-877-888-1116

STANDARD FEATURES

Model **PRO-H** Commercial / Industrial Belt Drive Jackshaft Operator with Chain Hoist

Model:

The electric operator will be a **Micanan Model PRO-H** as manufactured by Micanan Systems Inc. Related work - Door preparation, miscellaneous or structural metal work, field electrical wiring, wire, conduit, fuses and disconnect switches are in the scope of work of other divisions or trades.

Product:

Supply Micanan Model PRO-H, Industrial, belt drive jackshaft operator (s) rated ___HP, ___Volts, ___Phase, 60HZ.

General:

Provide  listed electric door operator assembly of size and capacity recommended by door manufacturer; complete with electric motor and factory-prewired motor controls, mechanical operated brake, conduit and wiring from control to motor and accessories required for proper operation.

Electric Motor:

Motor shall be high starting torque, continuous-duty, industrial type, protected against overload by an internal thermal overload device.

Motor Starter, Controls, Enclosures:

Motor starter shall be an across-the-line, mechanically interlocked, magnetic reversing contactor. Motor starting device shall be enclosed in a NEMA 1 enclosure and integral with the operator. Control enclosures shall conform to ANSI/NEMA ICS6. A NEMA type 1 OPEN/CLOSE/STOP control station shall be provided as standard equipment.

Frame and Reduction:

Speed reduction shall be heavy duty 5L V-belt. Secondary reduction with chain and sprockets. Door drive shall utilize #50 roller chain and sprockets; Operator shall be capable of driving the door at a speed of approximately 8 to 10 inches/sec.

Emergency Operation:

Shall be equipped with an electrically interlocked floor level disconnect and chain hoist for manual operation.

Mechanical Brake:

Shall be equipped with mechanical brake to stop and hold the door in position.

Limit Switches:

Fully adjustable, driven linear type limit switch mechanism shall synchronize the operator with the door. Low friction limit nuts fitted on threaded steel shaft, rotating on oilite self-lubricating bronze bushings. The motor shall be removable without affecting the limit switch settings.

Execution:

Install the motor operator in accordance with Micanan Systems instructions and standards and in compliance with applicable federal, state or local regulations.

Warranty:

Micanan Systems warrants that it's operators shall be free of any defect in materials and workmanship for a period of 2 years.



Model **PRO-HHD**

**Commercial / Industrial Belt
Drive Jackshaft w/ chain hoist**



► 2 Year Warranty ► Continuous duty motor with overload protection ► Heavy duty reversing contactor c/w electrical interlock ► Three Button Control Station ► Heavy Duty 5L V-belt ► #50 Roller chain drive & sprockets ► 3/4" ball bearings on pulley shaft ► 24V Fused control circuit ► Fully adjustable rotary limit switches ► 1" cast iron flange ball bearing on drive shaft ► Final 1" dia. drive shaft ► Baked on dark grey coat finish ► Powder metal limit cams ► Emergency chain hoist with electrical cut-out switch for manual operation ► Full feature logic control board (Optional) ► Adjustable friction clutch ► Chain Keeper ► Left or Right hand mounting ► External radio control terminal strip ► Motor removable without affecting limit settings ► Solenoid Brake standard ► Approximate shipping weight 110 Lbs.

Quality Pros Can Count On

Suggested Architect Specifications

Technical Info:
1-877-888-1116

STANDARD FEATURES

Model **PRO-HHD** Commercial / Industrial Trolley Operator with Brake

Model:

The electric operator will be a **Micanan Model PRO-HHD** as manufactured by Micanan Systems Inc. Related work - Door preparation, miscellaneous or structural metal work, field electrical wiring, wire, conduit, fuses and disconnect switches are in the scope of work of other divisions or trades.

Product:

Supply Micanan Model PRO-HHD, Commercial / Industrial, belt drive jackshaft operator (s) rated ___HP, ___Volts, ___Phase, 60HZ.

General:

Provide  listed electric door operator assembly of size and capacity recommended by door manufacturer; complete with electric motor and factory-prewired motor controls, solenoid operated brake, conduit and wiring from control to motor and accessories required for proper operation.

Electric Motor:

Motor shall be high starting torque, continuous-duty, industrial type, protected against overload by an internal thermal overload device.

Motor Starter, Controls, Enclosures:

Motor starter shall be an across-the-line, mechanically interlocked, magnetic reversing contactor. Motor starting device shall be enclosed in a NEMA 1 enclosure and integral with the operator. Control enclosures shall conform to ANSI/NEMA ICS6. A NEMA type 1 OPEN/CLOSE/STOP control station shall be provided as standard equipment.

Frame and Reduction:

Speed reduction shall be heavy duty 5L V-belt. Secondary reduction with chain and sprockets. Door drive shall utilize #50 roller chain and sprockets; 1" cast iron flange bearings on drive shafts. Operator shall be capable of driving the door at a speed of approximately 8 to 10 inches/sec.

Emergency Operation:

Shall be equipped with an electrically interlocked floor level disconnect and chain hoist for manual operation.

Solenoid Brake:

Shall be equipped with solenoid brake to stop and hold the door in position.

Limit Switches:

Fully adjustable, driven linear type limit switch mechanism shall synchronize the operator with the door. Low friction limit nuts fitted on threaded steel shaft, rotating on oilite self-lubricating bronze bushings. The motor shall be removable without affecting the limit switch settings.

Execution:

Install the motor operator in accordance with Micanan Systems instructions and standards and in compliance with applicable federal, state or local regulations.

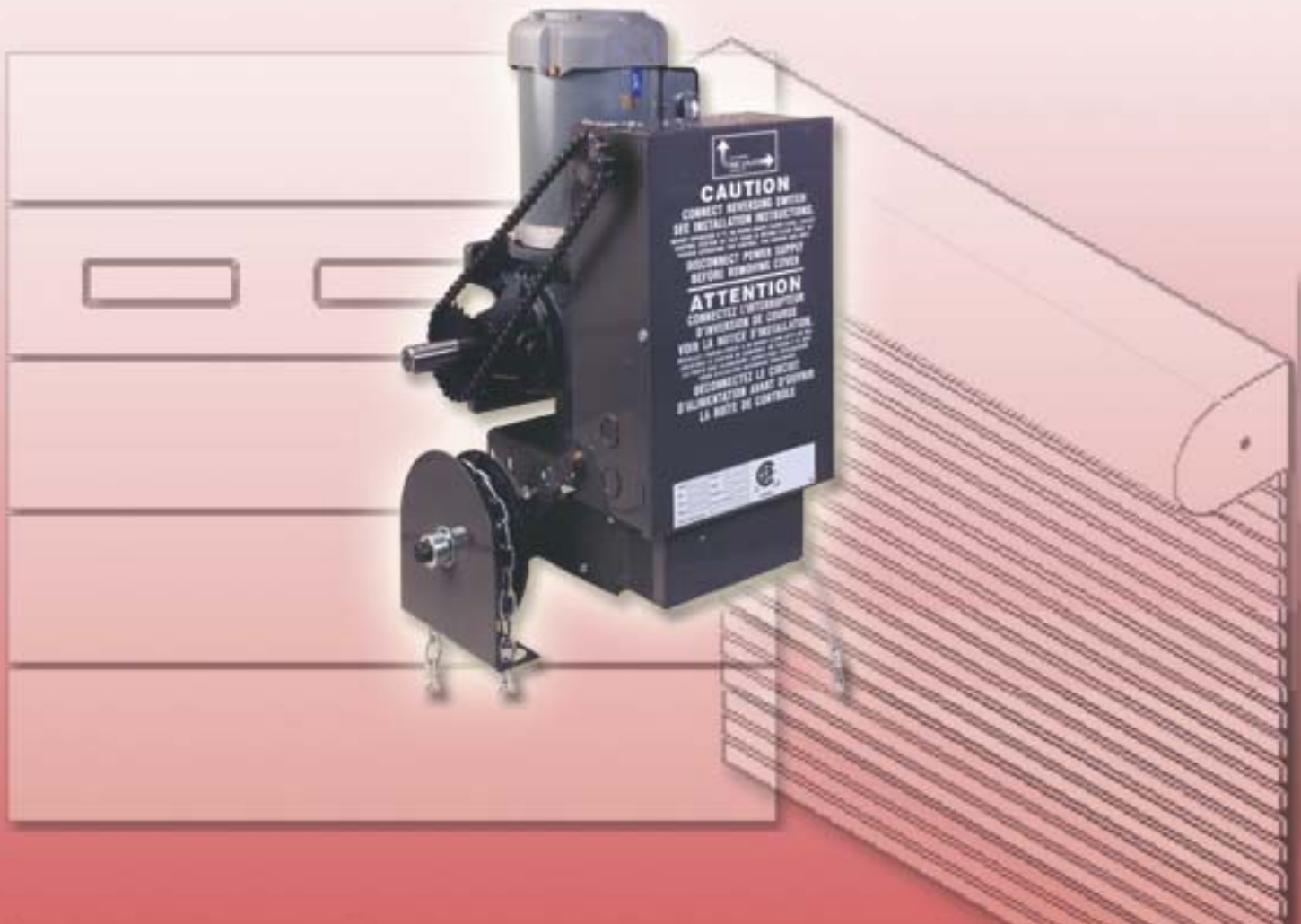
Warranty:

Micanan Systems warrants that it's operators shall be free of any defect in materials and workmanship for a period of 2 years.



Model **PRO-GH**

Industrial Worm Gear Jackshaft Operator with Chain Hoist



► 2 Year Warranty ► Worm gear in oil-bath reducer ► Three Button Control Station ► Solenoid brake standard ► Chain Keeper ► Heavy Duty reversing contactor c/w electrical interlock ► 24V Fused control circuit ► Fully adjustable rotary limit switches ► #50 roller chain drive & sprockets ► Baked on dark grey coat finish ► Powder metal limit cams ► Emergency chain hoist with electrical cut-out switch for manual operation ► Full feature logic control board (Optional) ► Full overload protection ► External radio control terminal strip ► Motor removable without affecting limit setting ► Universal left or right hand mounting ► Approximate shipping weight 110 Lbs.

Quality Pros Can Count On

Suggested Architect Specifications

Technical Info:
1-877-888-1116

STANDARD FEATURES

Model **PRO-GH** Industrial Worm Gear Jackshaft operator with chain hoist

Model:

The electric operator will be a **Micanan Model PRO-GH** as manufactured by Micanan Systems Inc. Related work - Door preparation, miscellaneous or structural metal work, field electrical wiring, wire, conduit, fuses and disconnect switches are in the scope of work of other divisions or trades.

Product:

Supply Micanan Model PRO-GH, Industrial, worm gear jackshaft operator (s) rated ___HP, ___Volts, ___Phase, 60HZ.

General:

Provide  listed electric door operator assembly of size and capacity recommended by door manufacturer; complete with electric motor and factory-prewired motor controls, worm-gear reduction unit, solenoid operated brake, conduit and wiring from control to motor and accessories required for proper operation.

Electric Motor:

Motor shall be high starting torque, continuous-duty, industrial type, protected against overload by an external thermal overload device.

Motor Starter, Controls, Enclosures:

Motor starter shall be an across-the-line, mechanically interlocked, magnetic reversing contactor. Motor starting device shall be enclosed in a NEMA 1 enclosure and integral with the operator. Control enclosures shall conform to ANSI/NEMA ICS6. A NEMA type 1 OPEN/CLOSE/STOP control station shall be provided as standard equipment.

Frame and Reduction:

Speed reduction shall be wormgear-in-oil-bath gear reducer. Shall provide a 45:1 speed reduction. Door drive shall utilize #50 roller chain and sprockets; Operator shall be capable of driving the door at a speed of approximately 6 to 10 inches/sec.

Emergency Operation:

Shall be equipped with an electrically interlocked floor level disconnect and universal chain hoist for manual operation.

Solenoid Brake:

Electric solenoid actuated brake to stop the motor and hold the door in position.

Limit Switches:

Fully adjustable, driven linear type limit switch mechanism shall synchronize the operator with the door. Low friction limit nuts fitted on threaded steel shaft, rotating on oilite self-lubricating bronze bushings. The motor shall be removable without affecting the limit switch settings.

Execution:

Install the motor operator in accordance with Micanan Systems instructions and standards and in compliance with applicable federal, state or local regulations.

Warranty:

Micanan Systems warrants that it's operators shall be free of any defect in materials and workmanship for a period of 2 years.



Commercial Door Operator Accessories

The Door Operator Specialists

Car Wash Operator

Model EGJ



high-cycle capacity
compact design

no chains or sprockets
needed on sectional doors

handles tough environmental
conditions

includes dynamic brake

2 YEAR WARRANTY

**available in the following
configurations:**

1/2 HP 115V 1-phase

1/2 HP 230V 1-phase

1/2 HP 230V 3-phase

1/2 HP 460V 3-phase

**optional
reduction shaft**

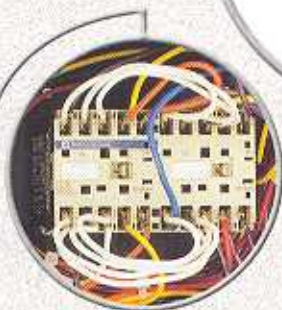
Part# 71-13716

control circuit:

reversing contactor circuit (M)

(115V, 208/230V, 460V, 24V NEC
Class 2 Circuit with 40VA transformer)

Industrial linear contactor
provides significantly longer
control runs than conventional
contactors. Circuit provides easy
selection between C2 and B2
wiring with the movement
of a single wire.



CHAMBERLAIN®

LiftMaster®

PROFESSIONAL

standard features

motor

Continuous-duty, TEFC high-starting torque motor with instant reverse and overload protection. Available in 1/2 HP (375W); single phase. Capacitor start and 3-phase motors. Removable without affecting limit switch settings.

drive reduction

45:1 sealed gear reducer with internal clutch system. "Through-Shaft" reducer design allows operator to be directly mounted onto the 1" torsion shaft of sectional doors, for an approximate door speed of 12"/second. Optional reduction shaft is required for use on rolling doors or sectional door to provide an approximate door speed of 8-9"/second.

emergency manual operation

Model EGJ provides easy manual operation upon activation of the floor level disconnect.

wiring type

C2 wiring is standard; B2 is easily selected, providing momentary contact to OPEN/CLOSE and STOP with open override. The operator is pre-wired to accept a sensing edge, photoelectric sensors, radio controls and most types of access control equipment.

operator/motor control

Across-the-line type, size "0" contactor motor switching, mechanically interlocked (NEMA 4 enclosure).

dynamic brake

Assures stopping of the door in wet environments.

bearings

High-cycle sealed ball bearings on the gear reducer.

friction clutch

Adjustable friction clutch helps protect against damage to the door and operator should the door meet an obstruction.

push button station

3-button station for OPEN/CLOSE and STOP functions is incorporated into the wall-mounted NEMA 4 electrical enclosure. Additional NEMA 4 controls with 1, 2 or 3 buttons are available.

construction

NEMA 4x type electrical box and reducer, TEFC motor.

control circuit

24V NEC Class 2.

control accessories and options

CPS-N4 Commercial Protector System®

(recommended)

A reliable "non-contact" photo safety sensor designed to sense an obstruction and signal the door operator to reverse to open.

sensing edge (recommended)

Designed to sense an obstruction and signal the door to open. Either an electric or pneumatic edge system can be used.

NEMA 4 control station

A die-cast metal NEMA 4/12 outdoor surface-mount 3-button control station will withstand your wet environment. (02403)

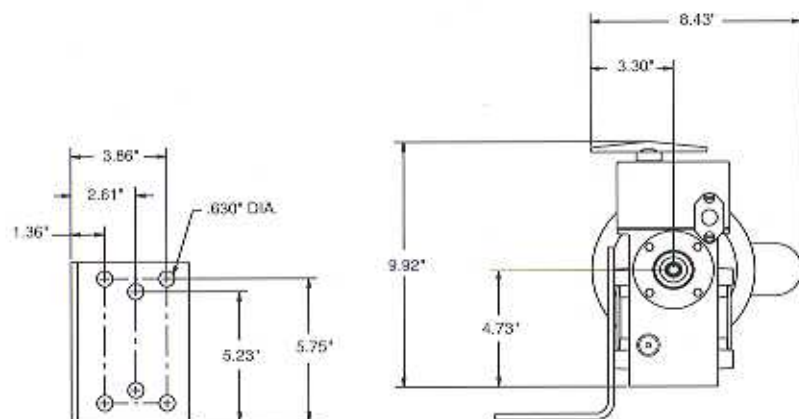
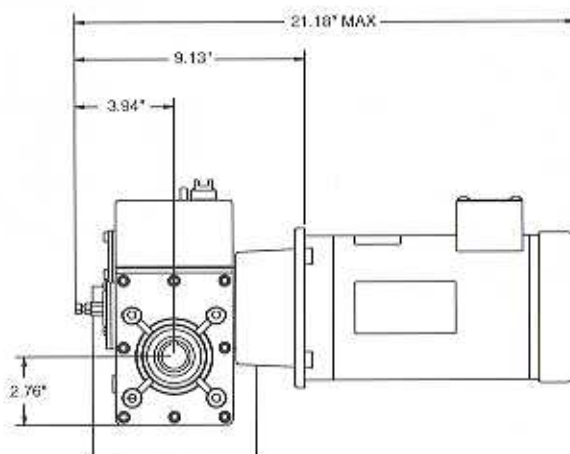
optional reduction shaft (Part# 71-13716)

Optional reduction shaft is required for use on rolling doors or sectional door to provide an approximate door speed of 8-9"/second.

MAXIMUM DOOR AREA (SQ. FT.)						
ROLLING	24 ga. Steel	22 ga. Steel	—	20 ga. 18 ga. Steel	16 ga. Steel	—
	Alum. Grilles	Alum. Doors	—	Steel Doors	—	—
SECTIONAL	—	24 ga. 22 ga. Steel	20 ga. Steel	—	16 ga. Steel	—
	Fiber-glass	Alum. Doors	Wood Doors	—	—	—
	—	—	24 ga. Steel Insul.	—	20 ga. Steel Insul.	16 ga. Steel Insul.
HP 1/2	325	300	275	250	225	175

NOTE: On steel insulated doors, a 24 ga. back panel is assumed.
(Not recommended for use on standard lift sectional doors.)

clearance and mounting details



CHAMBERLAIN®
LiftMaster®
PROFESSIONAL

THE CHAMBERLAIN GROUP, INC.
845 Larch Avenue • Elmhurst, IL 60126
World's Largest Manufacturer of Door Openers
www.liftmaster.com



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ALPHA DOOR SYSTEMS INC.

COLD STORAGE

ALPHA DOOR SYSTEMS INC. - OVERHEAD DOOR INSPECTIONS
1801 Canfield Road, London, Ontario, N5Y 1S5 • Tel: 519 439 1388 Fax: 519 439 1483 TTY: 800 245 7792
CUSTOMER: _____ BUILDING: _____ DOOR #: _____

DOOR TYPE/MANUFACTURE: _____ DOOR SIZE: _____ RHW: _____
LIFT: _____ STD: _____ FVL: _____ H/LIFT: _____ OPERATOR: _____ HP: _____ V: _____ P.H.: _____

16. DOOR CHECK LIST	GOOD	FAIR	POOR	UNSAFE
1. CHECK ROLLERS FOR WEAR				
2. CHECK CABLES AND CONNECTIONS				
3. CHECK FOR CORRECT TENSION AND WELL BALANCED DOOR				
4. CHECK SHAFT FOR LOOSE PARTS OR SIGNS OF WEAR				
5. TIGHTEN AND INSPECT DOOR HARDWARE				
6. TIGHTEN AND INSPECT GUIDES AND TRACKS				
7. MANUALLY OPERATE DOOR AND CHECK OPERATION				
8. LUBRICATE ROLLERS, BEARINGS, ETC.				
9. ADJUST DOOR FOR SEAL ON FLOOR				
10. CHECK CONDITION OF WEATHERSTRIP MATERIAL				
11. INSPECT SPRINGS FOR SIGNS OF COLLAPSE				
12. INSPECT AND TIGHTEN CONES, BRUSH, COUPLINGS				
13. APPLY SERVICE DECAL (NUMBER DOOR)				
14. CHECK DOOR FACE FOR DAMAGE (DENTING)				
15. CHECK DOOR SECTIONS FOR DELAMINATING ETC. (INSIDE)				
16. REPLACEMENTS PARTS REQUIRED:				
MODEL: _____				
QTY: _____				
SIZE: _____				

17. COMMENTS: _____

ELECTRICAL OPERATORS

18. CHECK CONDITION OF ALL BELTS				
19. CHECK ALL OPERATOR BEARINGS				
20. CHECK ALL SPROCKETS AND CHAINS				
21. CHECK MOUNTING BRACKETS (WHEEL CRACKED)				
22. INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS				
23. CHECK ALL CONTROL DEVICES AND SAFETY FEATURES				

24. IS DOOR LOCKED (DUTY) _____ ALPHA LOCK _____ OTHERS LOCK _____

Legend:
Good: Parts have been checked and are currently running in a safe and efficient manner.
Fair: Parts have been checked and may require future maintenance.
Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in Item 17.
Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked-out)

Reviewed With Customer: _____ Date: _____

Manufactures Inc.

BARRIER® GLIDER

Cold Storage Doors

Get more value at your cold storage door opening with the Barrier Glider.

Simple, straightforward design provides long-term performance.

High-speed operation maximizes the time the door is closed to help reduce energy costs.

Superior seal of the opening maintains environmental separation with the unique Thermal Air™ Sealing System.

Energy-efficient design reduces heat gain into cold storage areas, lowers energy costs.

Panels seal tight against wall, yet release upon impact with unique panel retention system.

Choice of panel design includes high-security fiberglass panels or flexible Iso-Tek® panels.

Versatile mounting configurations to fit virtually any application.

Panel impactability due to tubular track and hourglass roller design. Increased impactability achieved with flexible panels.



BARRIER GLIDER is your best value in cold storage doors.

The new BARRIER® GLIDER Cold Storage Door from Rite-Hite Doors improves the technology of traditional cold storage doors to deliver more value at cold storage openings. Choose between high-security fiberglass panels or flexible Iso-Tek® panels to fit your unique application requirements. Your panel choice is combined with the Thermal Air™ Sealing System to help you achieve superior environmental

separation at your opening with lower energy costs. For details on this innovative cold storage door, or to receive a free energy savings analysis of your door openings, contact your local Rite-Hite Doors representative or call 1-800-456-0600.

RITE·HITE
DOORS
The Leading Edge In Door Safety.

BARRIER GLIDER improves energy efficiency and

VERSATILE CONFIGURATIONS FIT YOUR APPLICATION NEEDS.

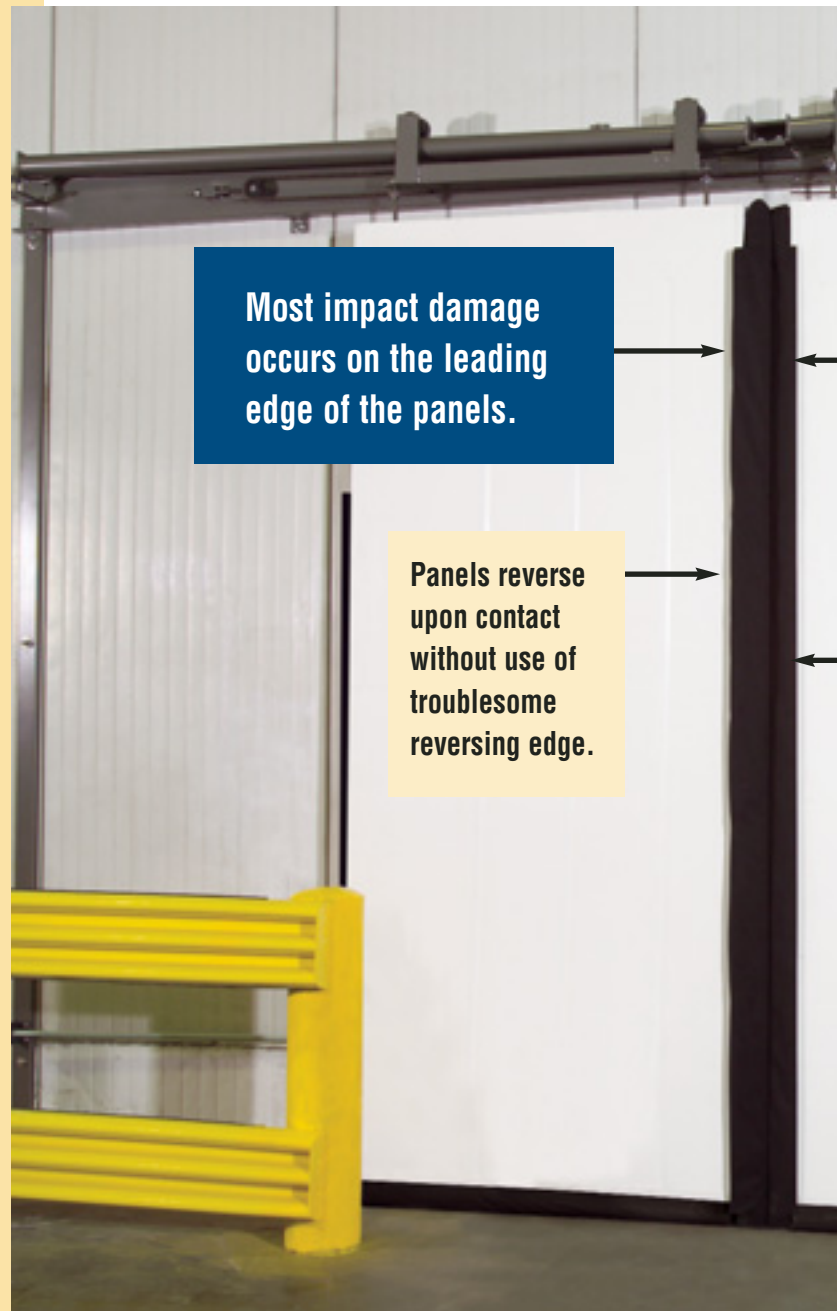
The Barrier Glider is available with your choice of **high-security fiberglass panels** or **impactable flexible panels**. Four-inch thick sealed fiberglass panels feature high R-value and quality construction with no wood in the panel to collect moisture. The flexible 3" thick impactable panels are constructed of lightweight foam to provide both insulation and impactability. Available in both single-slide and bi-parting configurations.

IMPACTABLE PANELS CUT MAINTENANCE AND DOWNTIME.



Conventional metal doors are easily damaged, resulting in costly downtime and repair.

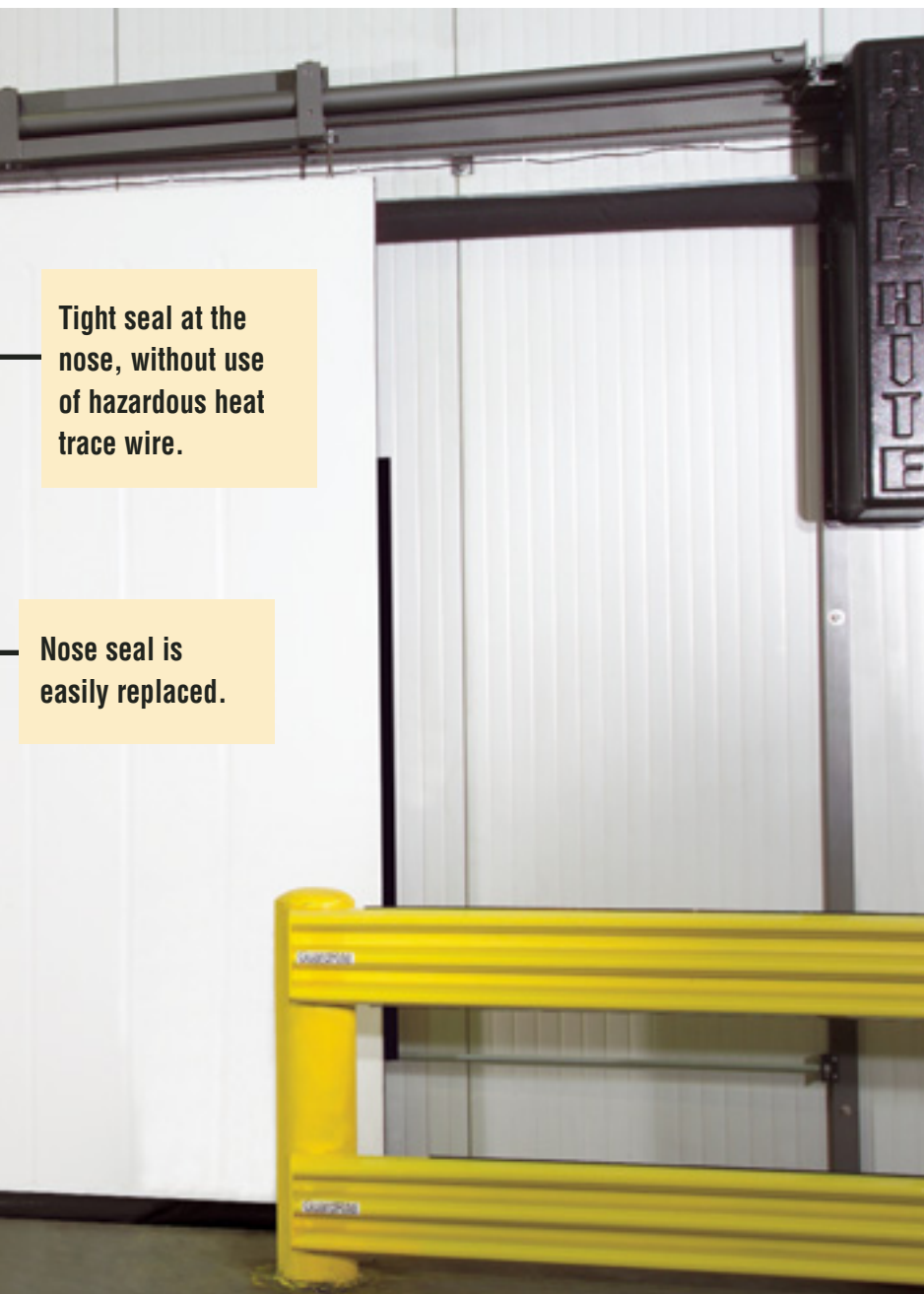
Optional impactable Iso-Tek® panels can take a hit from either direction and continue to operate efficiently.



UNIQUE PANEL RETENTION SYSTEM MAINTAINS TIGHT SEAL, RELEASES UPON IMPACT.

System mounts off the floor to avoid impact damage, and eliminates troublesome rollers that can damage the panel.

and safety, with less maintenance and downtime.



Tight seal at the nose, without use of hazardous heat trace wire.

Nose seal is easily replaced.

SIMPLE DRIVE SYSTEM ENSURES LONG-TERM, HIGH CYCLE PERFORMANCE.

Barrier Glider's drive system includes a 1/2 hp DC motor for a fast, 60" per second opening speed. Unique hourglass rollers operate smoothly on the tubular track, and allow the panels to rotate on the track if impacted. Optional battery backup available to continue door operation, even during a power outage.

THERMAL AIR™ SEALING SYSTEM PROVIDES TIGHTEST SEAL AVAILABLE.

Fabric tubes circulate warm air around the door perimeter to deliver up to 9" of heated seal surface area. Seals are compressed between wall and panel to help prevent air infiltration into the freezer. Eliminates hazardous, high-maintenance heat trace wire. Combined with insulated nose seal and fabric bottom seal, Barrier Glider provides a superior full-perimeter seal.



BARRIER® Cold Storage Doors also include these energy-efficient designs:

THE BARRIER® VERTICAL LIFT DOOR



Separate temperatures at your loading dock with this insulated cold storage door. Fiberglass panels, available 4- or 6-inches thick, effectively maintain cooler or freezer temperatures, while a solid seal around the opening prevents warm air from infiltrating your cold storage areas.

Improve the energy efficiency of your loading dock with the Barrier Vertical Lift Door.

THE BARRIER® FIBERGLASS INFITTING DOOR



Insulated personnel door assures environmental separation at your facility. The seamless fiberglass panels are 4" thick for superior insulation with no wood in the panel to collect moisture. The full-perimeter seals help maintain temperatures and reduce energy costs, while the self-lubricating cam-lift hinges assure ergonomic operation.

Replace your old, inefficient infitting doors today with the proven Barrier Fiberglass Infitting Door.

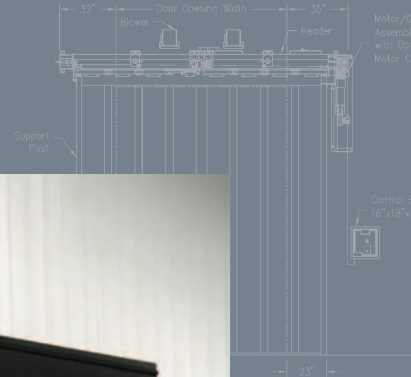
Ask your Rite-Hite Doors representative for a FREE energy analysis of your cold storage openings.



Rite-Hite Corporation
8900 North Arbon Drive
Milwaukee, Wisconsin 53223
414-355-2600 or toll-free: 800-456-0600
Fax: 414-355-9248 www.ritehite.com

RITE-HITE
DOORS
The Leading Edge In Door Safety.

Barrier® Fold Cold Storage Door Freezer Mount Configuration



Freezer mount application features and benefits

Reduce energy costs and increase operational efficiency.

- **Thermal Air™ Sealing System** for superior environmental separation.
- **Efficient defrost system** is unmatched for energy savings.
- **Powerful, high velocity blowers** provide constant air movement on face of door and floor.
- **High speed operation (84" per second)** prevents heat gain and reduces energy costs.
- **Bi-part impactable folding design** reduces maintenance and downtime, increasing productivity.
- **Low profile footprint**, minimal space required.
- **Proven Barrier trolley design** for durable, long lasting performance.
- **Slate blue Reflek-Tek™ insulated panels (freezer option).**
 - Optional 12" x 36" vision in the four center panels.
 - Overlap of lead panels are magnetically held tight at nose.



External freezer mount with vision



External freezer mount without vision

Barrier Fold bi-part folding doors define a new standard in efficiency and performance.

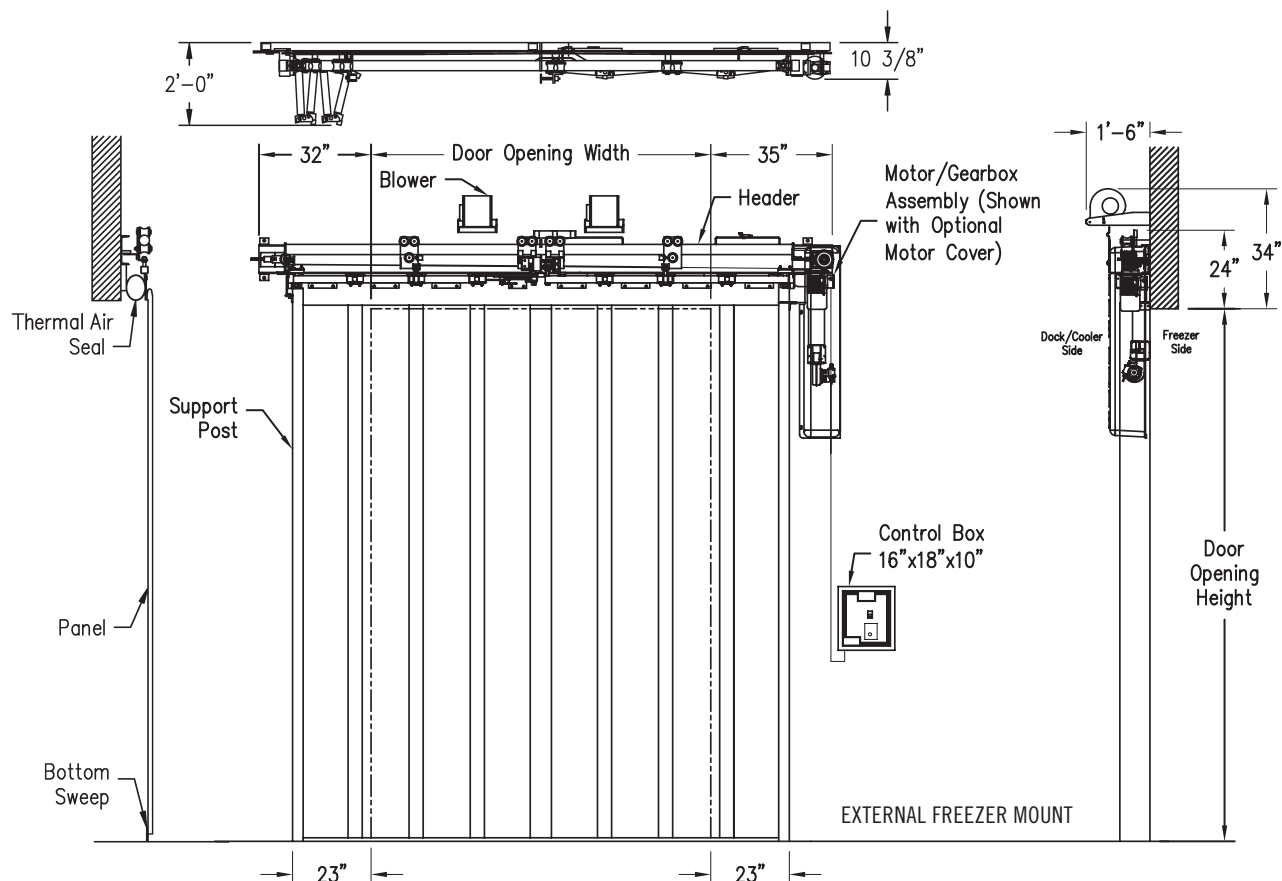
The Barrier Fold from Rite-Hite offers many key performance attributes: high speed, impactability and energy efficiency, all in a bi-part folding door. We have incorporated the Rite-Hite Thermal Air Seal, which minimizes heat gain into your freezer and provides a superior seal.

We have minimized the energy required to operate the defrost system to reduce your cost of operation. Barrier Fold is the optimal door for your challenging small footprint freezer door openings.

For details on this innovative cold storage door, or to receive a free energy analysis, contact your local Rite-Hite representative or call 1-800-456-0600.

RITE-HITE®
DOORS
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Barrier® Fold Cold Storage Door – Freezer Mount Configuration



Freezer Mount Configuration General Specifications

Barrier Fold Cold Storage Door Model 7514 Bi-Folding Door

DOOR SIZE:

Minimum Size: 6' wide x 8' high
Maximum Size: 10' wide x 16' high

PANEL DESIGN:

- Slate blue Reflek-Tek™ insulated panels

SAFETY FEATURES:

- Door panels can be manually parted if power failure occurs
- Fast, flexible bi-folding action helps prevent impact and impact damage

PANEL SEALING:

- Outer panels are fixed to insulated side supports for an air tight seal
- Overlap of lead panels are magnetically held tight at nose
- Hypalon sweeps seal panels to floor
- Heated Thermal Air Sealing System seals the panels at the lintel

HEADER:

Heavy gauge steel 3" round tubular roller track. Steel constructed trolleys glide on the 3" tube via hour-glass shaped nylon rollers.

SIDE SUPPORTS:

Supports are constructed of 3" foam insulation, reinforced with steel and covered with a urethane fabric.

DRIVE SYSTEM:

1HP, AC induction, 3 phase motor controlled by an AC inverter. Door commands are processed by a Rite-Hite controller. Trolleys are driven by a gearbox and chain drive system.

CONTROL BOX:

Standard controls include an "Open/Reset" button and power disconnect. The box is NEMA 4X and fuse protected. The box is pre-wired with external connection brought into pre-coded terminals.

- 208 VAC, 3 Phase, 60 HZ
- 230 VAC, 3 Phase, 60 HZ
- 460 VAC, 3 Phase, 60 HZ
- 575 VAC, 3 Phase, 60 HZ

THERMAL AIR SEAL: (Heater/Blower)

- External freezer mount
 - 70 CFM, 120V blower;
 - 600 Watt 120V heater
- Internal freezer mount
 - 582 CFM, 120V blower; 2 to 3KW heater to match control box voltage (Watts dependent on voltage)
- Optional — Step-down transformer (to match control box voltage)

HIGH VELOCITY BLOWERS

- Two — each mounted on exterior of freezer (for both interior and exterior applications)

OPTIONS:

- Drive motor/blower cover, header facing, visions, installation kit, and activation
- Reflek-Tek™ panels with 12" x 36" vision in the four center panels

WARRANTY:

Limited 1 year parts and labor warranty. Rite-Hite Doors also offers an exclusive 1 year money back guarantee.

Job: _____

Location: _____

Size: _____

Certified for construction

By: _____

Date: _____

Company: _____

City: _____

State: _____

**RITE-HITE
DOORS**
The Leading Edge In Door Safety.

8900 North Arbon Drive
Milwaukee, WI 53223
414.355.2600
Toll free 800.456.0600
Fax: 414.355.9248
www.barrierfold.com

ISO-TEK™ DOOR SYSTEM

Cold Storage Door

High speed and superior sealing make ISO-TEK™ the single most efficient door available.

High-speed access,
with door opening speed of 2.1 mtr/second.

Effective insulation.
No panel defrost system required, with 76 mm thick panels.

Impactability,
with flexible high-density foam core panels.

Unique interlocking door seals
assure temperature separation.

Canted header design
provides tight bottom seal and reduced seal wear.

Low profile design
conserves floor space, improves traffic flow.

Increased productivity,
with fast access and reduced downtime.

Lower maintenance.
High-cycle performance and impactability eliminate downtime and repair.

More safety,
with flexible panels and auto-reversing feature.



Get two doors in one with the unique ISO-TEK™ cold storage system.

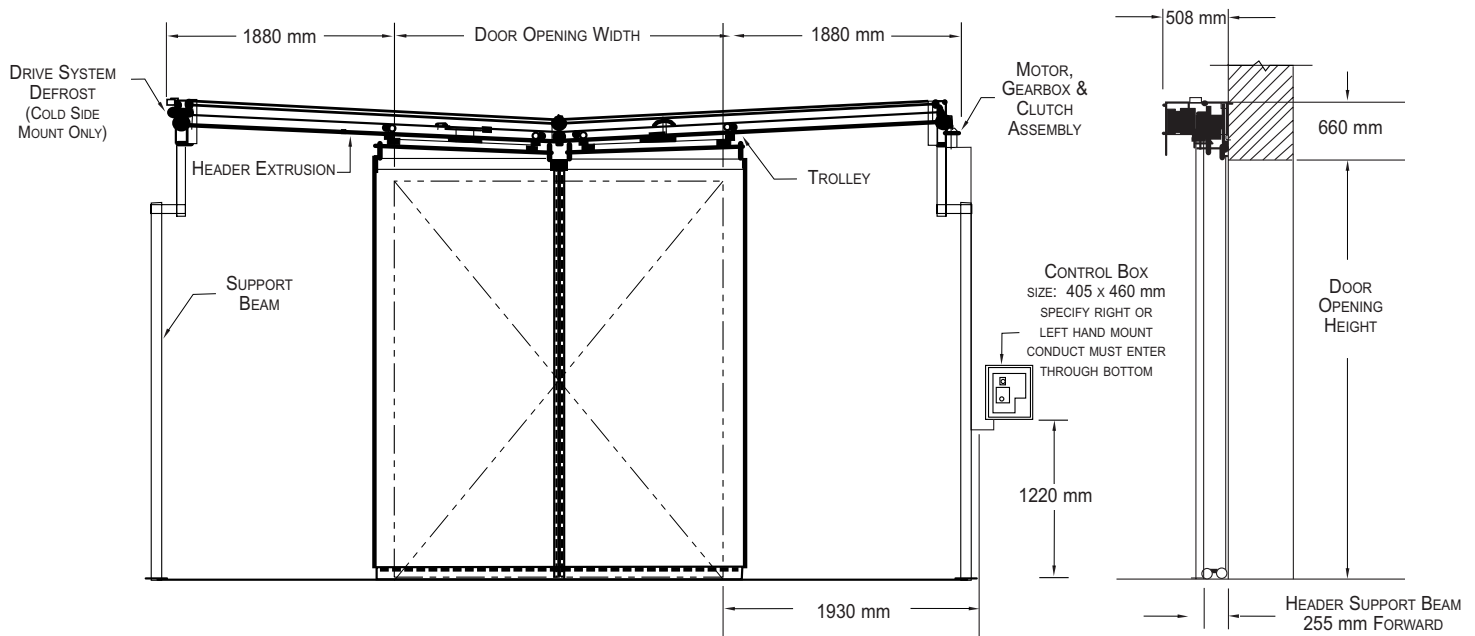
Now you can get effective insulation, superior sealing AND high-speed access in ONE cold storage door: the remarkable Iso-Tek™ system from Rite-Hite®. Its high-insulating foam core panels require no costly panel defrost system and are impactable, so you won't have to

worry about damage, downtime and costly repairs. With auto-reversing and other safety features, the Iso-Tek™ is now the safest, most productive, cost-efficient cold storage door you can buy. For more details, talk to your Rite-Hite® representative.

RITE-HITE®

ISO-TEK™ DOOR SYSTEM

2-PANEL CONFIGURATION



SPECIFICATIONS

Model Number: 8600 Cold Storage Door - 2-Panel Configuration

SPEED:

Opening: 2,1 mtr per second
Closing : 0,5 mtr per second

SIZE:

Minimum: 1.830 x 2.440 mm
Maximum: 2.620 x 5.490 mm

TEMPERATURE RANGE:

-30°C to +50°C

PANEL DESIGN:

Flexible, impactable $k = 0.031W$ (m.k) panels are 76 mm thick with insulating foam core. Panels covered with 850 gr. gray polyurethane fabric.

SEALS:

Wall and panel-mounted, insulated interlocking seals. Nose and floor seals are extruded neoprene to provide constant interface.

HEADER/TROLLEY ASSEMBLY:

Two piece, 5 mm aluminum extrusion with two integral trolley paths – one for the panel, and one for the stabilizing trolley. Two trolleys are attached to each panel. Trolley assembly hinged for enhanced panel impactability. Header is canted 3 degrees, center to both ends for positive sealing and reduced seal wear. Self-supporting on two floor-mounted beams constructed of 51 x 76 x 3 mm aluminum tubing.

ELECTRICAL REQUIREMENTS:

Standard: 220 VAC 1 ph, 50 Hz, 30 amps;
380/415 VAC 3 ph, 50 Hz, 15 amps.

DRIVE SYSTEM:

Synchronous 1.1 kw hp motor controlled by a pre-programmed a.c. inverter. Door commands are processed by a self-diagnostic Rite-Hite® Programmable Logic Controller (PLC). Panels driven by a gearbox clutch belt drive system.

CONTROL BOX:

Control box is IP65 and fuse protected. Standard controls include "open" button which flashes upon a fault condition and a power disconnect. The box is prewired with external connections brought into pre-coded terminals.

SAFETY FEATURES:

Fast, bi-parting action helps prevent impact. Flexible panels help prevent impact damage. Automatic reversing when obstruction is encountered in opening. Drive clutch automatically disengages on loss of power and allows manual operation. Optional 4-panel 356 x 813 mm vision panels, fabric accent panels and GuardRite® protective railing system.

DRIVE SYSTEM DEFROST:

Required on cold side freezer mount only. Closed system blower within the header does not inject warm air into freezer. Requires second 305 x 254 x 152 mm control box (provided).

WARRANTY:

Limited 1-year parts and labor, 150,000 cycles including electrical. Limited 1-year parts and labor on all seals. Rite-Hite® also offers an exclusive 1-year money back guarantee.



Rite-Hite Europe
Koppelstraat 21-23
7391 AK Twello
Nederland
Tel. +31-(0)571 - 27 04 44
Fax +31-(0)571 - 27 05 55

E-mail:
info@ritehite.nl

Internet:
http://www.ritehite.com

RH/IT/ENG/10-00

BARRIER™ VERTICAL LIFT DOOR

**RITE-HITE
DOORS**
The Leading Edge In Door Safety.

COLD STORAGE DOORS

Seamless fiberglass panels

4" or 6" thick for superior insulation.

2" full-perimeter compression seal

Helps maintain temperatures, reduce energy costs and ensure food safety.

Steel-reinforced internal frame

Provides added strength and durability to the panel. No wood in panel.

Snap-in seal design

For easy replacement, if needed.

Leaf-style counterweights

Allow for simple adjustment of counterbalance system.

Unique double-latching lock

Ensures a tight bottom seal when closed and prevents door drift-down when open.

Proven technology and heavy-duty design

Assure low maintenance and long-term durability.

Grooved panel

Provides improved aesthetics and added strength.



MAINTAIN TEMPERATURES AND
ASSURE ENVIRONMENTAL CONTROL
ON THE LOADING DOCK.

Designed to provide superior sealing, energy-efficient, insulated Barrier Vertical Lift Cold Storage Doors effectively separate temperatures at your loading dock.

RITE-HITE®

BARRIER™ VERTICAL LIFT DOOR

Integrated Cold Storage Dock Systems Consist of 6 Essential Elements

1. Barrier™ Vertical Lift Door
2. Frommelt® Dock Seal or Shelter
3. Safe-T-Lip® Dock Leveler
4. Dok-Lok® Vehicle Restraint
5. Dok-Commander™ Combination Controls
6. Rite-Hite Service Network

Barrier Dock Doors

Insulated doors with superior sealing of the opening will help assure temperature control of your dock. Proper pit design allows door to seal directly to floor.

Frommelt Seals and Shelters

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

Rite-Hite Vehicle Restraints

Full line of restraints serves a wide variety of trailers, with or without rear impact guards (RIGs). Includes the original Dok-Lok vehicle restraint, the industry standard for helping prevent trailer separation accidents.



Rite-Hite Service Network

A cold storage facility requires fast service. You cannot afford to have a door or dock position down. Your local Rite-Hite Representatives are the best-trained, best-equipped experts in the world. Their commitment to quality and service includes:

- Fully-stocked service trucks
- Factory training and certification
- Same-day emergency service
- Repair of competitive equipment
- Fully insured and bonded

Safe-T-Lip Dock Levelers

Safe-T-Lip levelers provide full-time protection against fork trucks falling off a vacant dock. The barrier is an integral part of the leveler and is positioned automatically when the leveler returns to a stored position after use.

Dok-Commander Combination Controls

Dok-Commander control boxes integrate controls of multiple powered devices into a single box to simplify operation and help improve safety. Reduced electrical installation requirements save money.



Rite-Hite Corporation

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

Mailing Address: Rite-Hite Corporation P.O. Box 245020 Milwaukee, WI 53224 USA

www.ritehite.com www.ritehitedoors.com

D15BVL0906A

RITE-HITE®, Barrier™, Frommelt®, SAFE-T-LIP®, Dok-Lok® and Dok-Commander™ are trademarks of the RITE-HITE Corporation.
RITE-HITE products are covered by one or more U.S. Patents with other U.S. and foreign patents pending. RITE-HITE reserves the right to make product improvements without prior notice.

BARRIER™ FIBERGLASS INFITTING DOOR Cold Storage Doors

Insulated personnel door assures environmental separation

Seamless fiberglass panels are 4" thick for superior insulation. No wood in the panel.

3/4" full perimeter D-style seals help maintain temperatures and reduce energy costs.

Self-lubricating cam-lift hinges lift the door to reduce wear on the floor seal during operation.

Hardware is protected against corrosion for long-term durability.

Safety release latch allows the door to be opened from the inside even if padlocked from the outside.

Ideal for hand truck and personnel traffic. interior or exterior applications.

Doors are factory hung and tested prior to shipment to ensure proper operation.



Maintain Temperatures in Your Facility with the Barrier Fiberglass Infitting Door

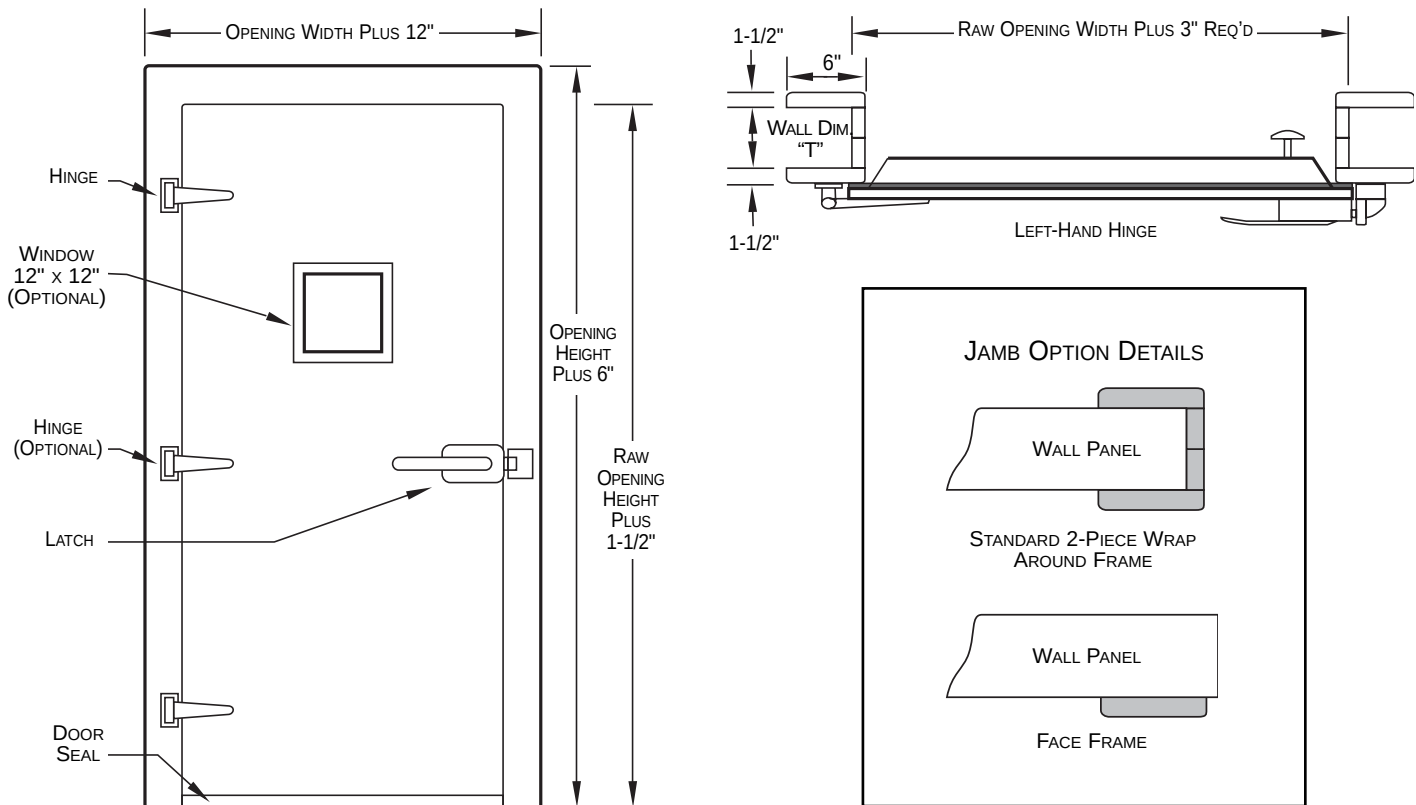
Separate temperatures in your cold storage facility with this energy efficient solution from Rite-Hite Doors. The Barrier Fiberglass Infitting Door panels are 4 inches thick to effectively insulate cooler and freezer temperatures, while a full-perimeter seal helps prevent warm air from infiltrating your freezer. Cam-lift hinges enable the door to operate easily and lift the door during opening to reduce bottom seal wear. The swinging door is ideal for personnel and hand truck traffic, and can be mounted in interior or exterior environments.

The Barrier Insulated Infitting Door is part of Rite-Hite Doors' wide selection of cold storage and industrial doors.

For more details, contact your Rite-Hite Doors representative or call 1-800-456-0600, or visit our website at www.ritehite.com.

RITE-HITE®
DOORS
The Leading Edge In Door Safety.

BARRIER™ FIBERGLASS INFITTING DOOR



GENERAL SPECIFICATIONS

BARRIER™ COLD STORAGE DOOR MODEL 7301 FIBERGLASS INFITTING/OVERLAP

STANDARD SIZES:

3' x 7', 4' x 7', 5' x 7'*

*Custom sizes available upon request

TEMPERATURE RANGE:

-10° F to +150° F

PANEL CONSTRUCTION:

4" thick seamless fiberglass panels with R-value of 32. USDA-approved panel finish. Foam-in-place polyurethane insulation. 1/4" steel reinforcements for all hardware attachments. Standard panel color is white. Optional 12" x 12" insulated window. Optional kick plates, 10" or 36" high. No wood in the panel.

FULL PERIMETER SEAL:

Low profile EPDM foam D-style seals are 3/4" deep x 11/16" wide. Gaskets ensure a tight seal of the opening. Freezer option includes a heated jamb and wiper gasket on flush floor models; requires 110V/1ph, 1.5 amps.

DOOR FRAME:

Full perimeter two-piece wrap around frame (flush floor) or full-face (step-up) design.

OPERATION:

Die cast zinc chrome plated cam-lift hinges are self-lubricating and assist with door operation. Hinges lift door off the ground during opening to reduce bottom seal wear. Lockable latch on mount side, with a plunger escape on the opposite side. Plunger release allows the door to be opened from the inside even if padlocked from the outside. Optional panic bar in lieu of plunger escape. Optional door closer.

WARRANTY:

Limited 1 year parts and labor warranty. Rite-Hite Doors also offers an exclusive 1 year money back guarantee.

Job: _____

Location: _____

Size: _____

Certified for construction:

By: _____

Date: _____

Company: _____

City: _____

State: _____

**RITE·HITE®
DOORS**
The Leading Edge In Door Safety.

8900 North Arbon Drive
Milwaukee, WI 53223
Toll free 1-800-456-0600
1-414-355-2600
Fax: 414-355-4640
www.ritehite.com

ALPHA DOOR SYSTEMS INC.

IMPACT

ALPHA DOOR SYSTEMS INC. - OVERHEAD DOOR INSPECTIONS

1401 Credit Road, London, Ontario, N5V 1S1 - Tel 519 639 1188 Fax 519 639 1618 TTY 800 245 7792

CUSTOMER: _____ BUILDING: _____ DOOR # _____

DOOR TYPE/MANUFACTURE: _____ DOOR SIZE: _____

LIFT: _____ STR. _____ H/LIFT _____ OPERATOR: _____ HP _____ V _____ P.H. _____

ITEM DOOR CHECK LIST	GOOD	FAIR	POOR	UNSAFE
1. CHECK ROLLERS FOR WEAR				
2. CHECK CABLES AND CONNECTIONS				
3. CHECK FOR CORRECT TENSION AND WELL BALANCED DOOR				
4. CHECK SHAFT FOR LOOSE PARTS OR SIGNS OF WEAR				
5. TIGHTEN AND INSPECT DOOR HARDWARE				
6. TIGHTEN AND INSPECT GUIDES AND TRACKS				
7. MANUALLY OPERATE DOOR AND CHECK OPERATION				
8. LUBRICATE ROLLERS, BEARINGS, ETC.				
9. ADJUST DOOR FOR SEAL ON FLOOR				
10. CHECK CONDITION OF WEATHERSTRIP MATERIAL				
11. INSPECT SPRINGS FOR SIGNS OF COLLAPSE				
12. INSPECT AND TIGHTEN CONES, THROUS, COUPLERS				
13. APPLY SERVICE DECAL (NUMBER DOOR 1)				
14. CHECK DOOR FACE FOR DAMAGE (OUTSIDE)				
15. CHECK DOOR SECTIONS FOR DELAMINATING ETC. (INSIDE)				
16. REPLACEMENT PARTS REQUIRED:	QTY	SIZE		
MODEL				

17. COMMENTS:

ELECTRICAL OPERATORS

18. CHECK CONDITION OF ALL BELTS				
19. CHECK ALL OPERATOR BEARINGS				
20. CHECK ALL SPRINGS AND CHAINS				
21. CHECK MOUNTING DEVICES (TIGHT, WELDED CRACKS)				
22. INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS				
23. CHECK ALL CONTROL DEVICES AND SAFETY FEATURES				
24. IS DOOR LOCKED OUT? _____ ALPHA LOCK _____ OTHERS LOCK _____				

Legend:
Good: Parts have been checked and are currently meeting in a safe and efficient manner.
Fair: Parts have been checked and may require future maintenance.
Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in Item 17.
Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked-out)

Reviewed With Customer: _____ Date: _____

Alpha Door Systems Inc.

FROMMELT

FLEXIBLE FULL-THICKNESS DOORS

Series 9000 HD

Frommelt Series 9000 Heavy-Duty Impact Doors, a full 1-3/4" thick, have tough Tu-Ply™ facing with black trim on foam-filled box-beam frame with horizontal cross beams. Tu-Ply™ wear panels 24" high on both sides, 16" x 18" Lexan® vision panels, cam-type self-closing hardware, jamb guard-protected spring compensator to maintain closed-door position, and a hold-open device are standard.

Minimum 5/16" x 6" steel channel frame tied into substantial wall structure is required. Special hardware is available to strengthen some wall structures; consult factory for details.



Standard Specifications

WIDTH (two panels): 4'0" to 10'0"

HEIGHT: 7'0" to 8'0"; dutch door or transom recommended over 8'0" high

FRAME: Reinforced rubber box-beam frame with horizontal cross beams

FACING: 9/64"-thick Tu-Ply™

VISION PANEL: Lexan® 16" x 18" (13-1/2" x 15" clear vision) with black trim both sides

WEAR PANELS: 9/64"-thick Tu-Ply™ both sides, 24" high; black

GASKETING: Full perimeter gasketing; 16-oz. Hypalon® flexible loop, black

HARDWARE: Self-closing cam-and-follower 180° hinges, choice of 3/4" or 1-1/4" rise; spring compensator to maintain closed-door position, with raised lower hinge and jamb

guard; one-piece full-length stile welded 1-5/16" cold-rolled steel shaft

TEMPERATURE RANGE: 32°F to 100°F; maximum differential 30°F side to side

SOUND ATTENUATION: Maximum 25 dB reduction



Series 9000 HD Doors

Applications

Recommended for interior applications where appearance is important; where both pedestrian and motorized equipment pass through; where effective sound and temperature control are required

Not Recommended for freezers, wash-down areas, or areas of high condensation; for more than 30 cycles per hour; for exterior applications

Special Considerations

Motorized Traffic may require addition of teardrop bumpers.

Height Over 8'0" may cause vertical misalignment and void warranty; consult factory.

Maximum Load Width is 60% of door opening for all types of traffic.

Self-Alignment may be affected by volume and speed of traffic and type and size of loads.

Measurements

Series 9000 doors require three precise measurements of width and of height to ensure that doors fit the jamb; two diagonal measurements also are recommended. Note differences of floor pitch or rise.



The doors will

be manufactured to the smallest measurement of width and height, and shimming may be required due to bowing or warping of the jamb.

Common Options

FACING

Tu-Ply™ Facing is available in your choice of blue, black, brown, and red.



All colors shown are approximate; material samples available on request

TEARDROP BUMPERS

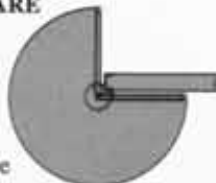
Heavy-duty polyethylene teardrop bumpers,



24" high, both sides

SPECIAL HARDWARE

270° Hardware: For areas where traffic must make immediate turns past doorways, this cam-type hardware swings 180° one direction and 90° the other.



Weld Plates: 1/4" steel plates, with threaded studs to accept door-hinge hardware, are welded to steel door jambs; specify for 180° or 270° hardware.

"L" Brackets: These brackets disperse door weight to permit use of all standard hardware where conventional mounting is not possible.



Installation and Maintenance

Series 9000 Impact Doors are installed by trained professionals. Rite-Hite representatives supervise installation to ensure proper performance and make periodic checks of each unit for any circumstance that might require attention.

Series 9000 doors should be cleaned with a mild detergent; household furniture polish will help maintain appearance.

If your door requires attention, your Rite-Hite representative can arrange for professional work using high-quality Rite-Hite materials. From recommending and specifying a door to installation, maintenance and repair, you can count on Rite-Hite and our worldwide network of experts to help you make the most of your investment.

In addition to our complete line of impact and power-operated doors, Rite-Hite also manufactures mechanical and hydraulic dock levelers, vehicle restraints, and a broad range of quality dock shelters and seals for any loading dock application. For more information, or the name of the nearest Rite-Hite representative, call toll-free:

800-456-0600

Doors may be shown with optional features. Check with an authorized Rite-Hite representative for details on cost.

 **Frommelt**

Frommelt Impact Doors by Rite-Hite

**RITE
HITE**
CORPORATION

Rite-Hite Corporation
8900 N. Arbon Drive
Milwaukee, WI 53223
Fax: 414/355-4640

Represented by:

Tu-Ply is a trademark of Rite-Hite Corporation
Lexan is a registered trademark of the General Electric Company
Hypalon is a registered trademark of E.I. DuPont de Nemours & Co.

FROMMELT SEMI-RIGID FULL-THICKNESS DOORS Series 6000

Frommelt Series 6000 Impact Doors, a full 1-3/4" thick, have rugged acrylic facing with black trim on foam-filled box-beam frame. Tu-Ply™ wear panels 24" high on both sides, 16" x 18" Lexan® vision panels, cam-type self-closing hardware, jamb guard-protected spring compensator to maintain closed-door position, and a hold-open device are standard.

Minimum 5/16" x 6" steel channel frame tied into substantial wall structure is required. Special hardware is available to strengthen some wall structures; consult factory for details.



Standard Specifications

WIDTH (two panels): 4'0" to 8'0"

HEIGHT: 7'0" to 8'0"; dutch door or transom recommended over 8'0" high

FRAME: Reinforced rubber box beam frame

FACING: 1/8"-thick rigid acrylic, both sides

VISION PANEL: 16" x 18" Lexan® (13-1/2" x 15" clear vision) with black trim, both sides

WEAR PANELS: 9/64"-thick Tu-Ply™ both sides, 24" high; black

GASKETING: Full perimeter gasketing; 16-oz. Hypalon® flexible loop, black

HARDWARE: Self-closing cam-and-follower 180° hinges, choice of 3/4" or 1-1/4" rise; spring compensator to maintain closed-door

position, with raised lower hinge and jamb guard; one-piece full-length stile welded 1-5/16" cold-rolled steel shaft

TEMPERATURE RANGE: 40°F to 90°F, maximum differential 30°F side to side

SOUND ATTENUATION: Maximum 25 dB reduction



Series 6000 Doors

Applications

Recommended for interior applications where appearance is important; where both pedestrian and light motorized equipment pass through; where effective sound and temperature control are required

Not Recommended for freezers, wash-down areas, or areas of high condensation; for more than 30 cycles per hour; for exterior applications

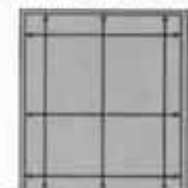
Special Considerations

Non-Pedestrian Traffic may require addition of teardrop bumpers.

Maximum Load Width is 60% of door opening for all types of traffic.

Measurements

Series 6000 doors require three precise measurements of width and of height to



ensure that doors fit the jamb; two diagonal measurements also are recommended. Note differences of floor pitch or rise.

The doors will be manufactured to the smallest measurement of width and height, and shimming may be required due to bowing or warping of the jamb.

Common Options

FACING

Acrylic Facing is available in your choice of black, red, blue, brown and sedona beige.



All colors shown are approximate; material samples available on request

TEARDROP BUMPERS

Heavy-duty polyethylene teardrop bumpers, 24" high, both sides.



WEAR PANELS

For additional protection, larger Tu-Ply™



wear panels are available. Matching acrylic wear panels also are available.

SPECIAL HARDWARE

270° Hardware: For areas where traffic must make immediate turns past doorways, this cam-type hardware swings 180° one direction and 90° the other.



Weld Plates: 1/4" steel plates, with threaded studs to accept door-hinge hardware, are welded to steel door jambs; specify for 180° or 270° hardware.

"L" Brackets: These brackets disperse door weight to permit use of all standard hardware where conventional mounting is not possible.



Installation and Maintenance

All Series 6000 Impact Doors are installed by trained professionals. Rite-Hite representatives supervise installation to ensure proper performance and make

periodic checks of each unit for any circumstance that might require attention.

Series 6000 doors should be cleaned with a mild detergent; household furniture polish will help maintain appearance.

If your door requires attention, your Rite-Hite representative can arrange for professional work using high-quality Rite-Hite materials. From recommending and specifying a door to installation, maintenance and repair, you can count on Rite-Hite and our worldwide network of experts to help you make the most of your investment.

In addition to our complete line of impact and power-operated doors, Rite-Hite also manufactures mechanical and hydraulic dock levelers, vehicle restraints, and a broad range of quality dock shelters and seals for any loading dock application. For more information or the name of your nearest Rite-Hite representative, call toll-free:

800-456-0600

Doors may be shown with optional features. Check with an authorized Rite-Hite representative for details on cost.

 **Frommelt**

Frommelt Impact Doors by Rite-Hite

**RITE
HITE**
CORPORATION

Rite-Hite Corporation
8900 N. Arbon Drive
Milwaukee, WI 53223
Fax: 414/355-4640

Represented By:

Tu-Ply is a trademark of Rite-Hite Corporation.
Lexan is a registered trademark of the General Electric Company.
Hypalon is a registered trademark of E.I. DuPont de Nemours & Co.

RAM-RITE doors feature these and other exclusive advantages:

Heavy duty construction

1 1/4" square steel tubular frame withstands repeated use of motorized vehicles.

Maximum insulation

Tubular framing is filled with high density, lightweight polystyrene foam.

Excellent visibility

24" high, full-width clear panels.

Exceptional seal

Full perimeter gasketing.

Outstanding strength

Full-length steel stile and shaft, ductile iron cam rise hardware.

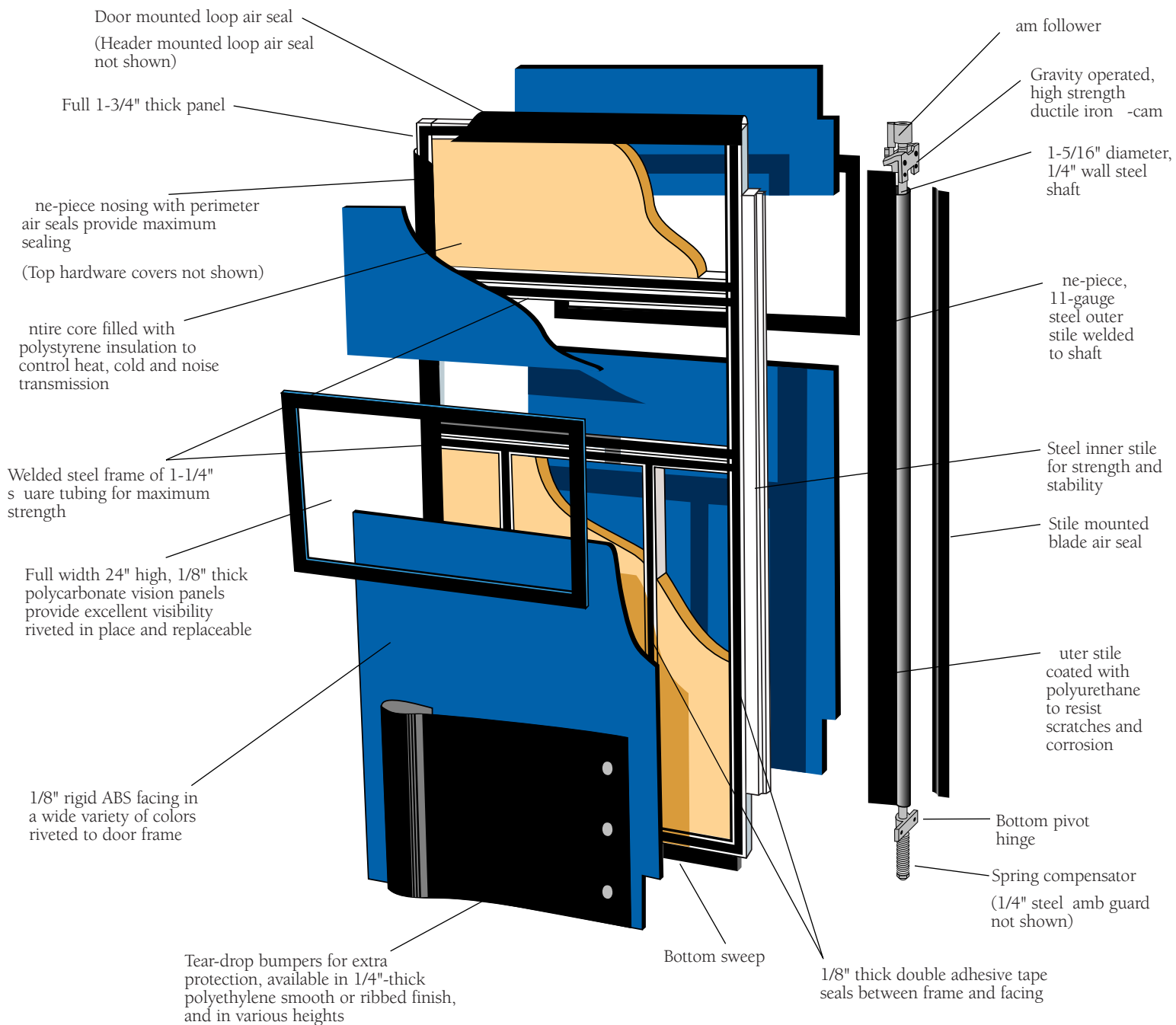


High-traffic areas demand the durability of RAM-RITE doors.

For areas with heavy traffic, consider RAM-RITE 4800 Impact Doors for excellent sealing, appearance and durability. Their exceptional strength is reinforced throughout with a rigid ABS facing riveted to the steel frame. Full perimeter gasketing provides for maximum seal. The 4800 doors include a two-year warranty plus

options to meet all your requirements. For more information on RAM-RITE or our full line of industrial and cooler/freezer doors, contact your Rite-Hite Doors representative or call 1-800-456-0600.

RAM-RITE doors are built to take a beating.



Choose RAM-RITE options to meet your needs.

Three cam rise configurations for 90° swing jamb mounted applications.

A. 3/4" rise for pedestrian traffic.

B. 1-1/4" rise for standard applications.

C. 1-1/2" rise for more critical pressure conditions.

D. 270° Swing Hardware
Swings 90° in one direction and 180° in the other direction to allow immediate turns beyond opening.

Weld Plates

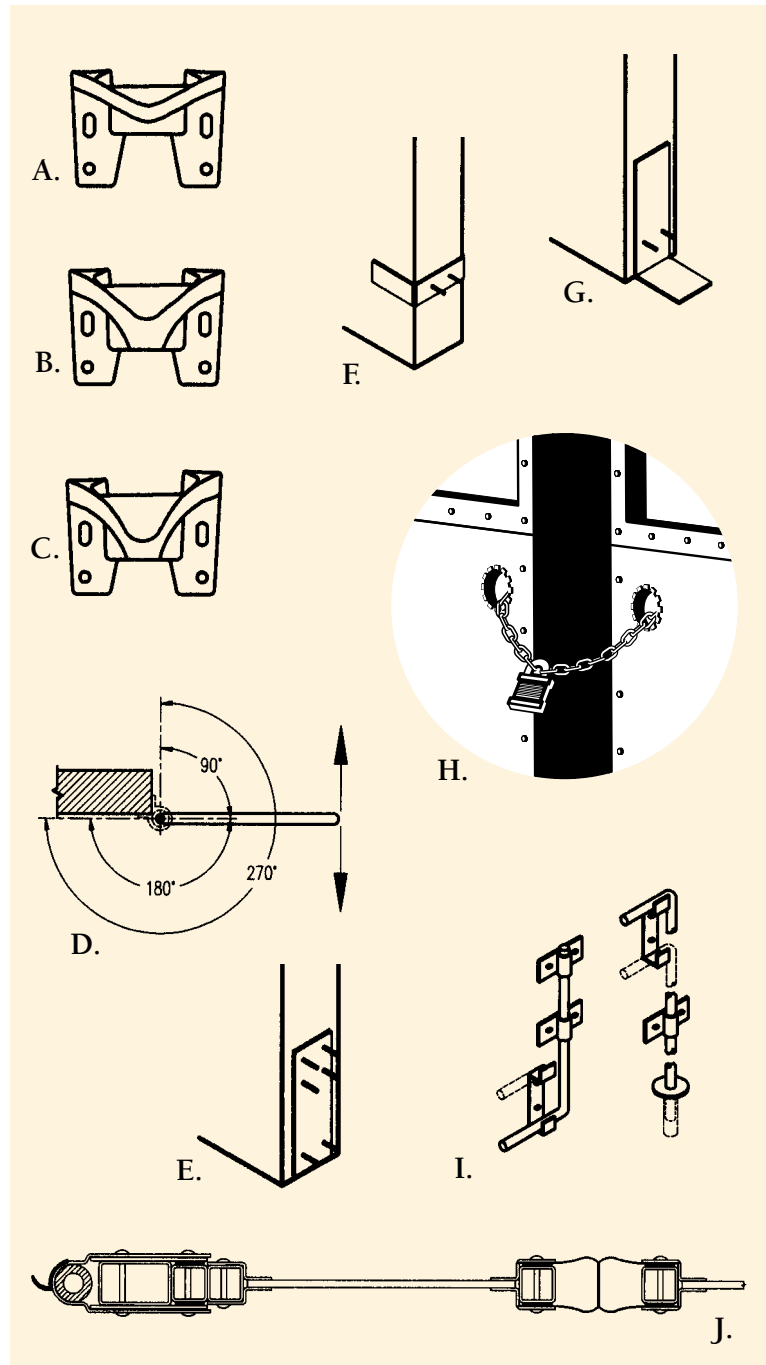
1/4" thick steel plates with threaded studs are welded to steel door jamb for easy installation. Bottom plate is studded for jamb guard installation.

E. "U" Brackets

1/4" steel plates with threaded studs and 12" long legs for filled concrete amb.

G. "L" Brackets

1/4" steel plates with threaded studs



mounted to jamb and lintel and to jamb and floor for amb without sufficient steel for support.

H. Chain Lock Sleeves

2" diameter sleeve through each door panel to accept chain and padlock for security areas.

I. Cane Bolts

5/8" diameter zinc plated bolts at top and bottom of each panel for security areas.

Wash Down Option

For areas where door is exposed directly to water, high humidity or weather.

Stainless Steel Features in Wash Down Option

Stile, shaft, 5" spring compensator, compensator adjusting nut, 10" jamb guard, 1-1/4" internal frame, vision frame around a single pane 1/4" polycarbonate vision, rivets and bumper fasteners.

ABS facing color choices as shown below. Other face material colors are also available with minimum order quantity and extended delivery time required.



Black



Red



Blue



Light Gray



Dark Gray



Teal



Beige



Brown

Choose the impact door that matches your application.

	Series 9000	Series 6000	Series 4000	Model 3600	Model 3800	Model 3900	Series 2000
							
Description	Flexible 1-3/4" full thickness	Semi-rigid 1-3/4" full thickness	Rigid steel frame 1-3/4" full thickness	Rigid 1" acrylic face wood core	Rigid 1/4" textured acrylic	16-gauge aluminum	Pliable 2-ply panel with top hinge
Type of Traffic							
Heavy Motorized Industrial Vehicles							
Light Motorized & Non-motorized							
Pedestrians/Carts							
Type of Applications							
Industrial							
Commercial							
Retail							



Rite-Hite Corporation
 8900 North Arbon Drive, Milwaukee, Wisconsin 53223
 (414) 355-2600 or toll-free: (800) 456-0600
 Fax: (414) 355-4640 www.ritehite.com

Model 3400

Impact Doors

Rugged, reliable Model 3400 Impact Doors.

For use in a wide range of applications.

Versatile design fits most environments, including washdown and cooler environments.

Superior visibility.

Unique polycarbonate vision options provide increased safety for employees.

Lightweight design.

Ideal for pedestrian and cart traffic areas.

Exceptional seal.

Full perimeter gasketing available.

Durable construction.

- 3/4" square steel tubular frame with foam core.
- Full height metal stile, shaft and hardware.
- Rigid ABS facing riveted to frame.

Washdown capabilities.

Aluminum and stainless steel components allow washdown application.



Get Reliability and Versatility With Our Model 3400 Impact Door.

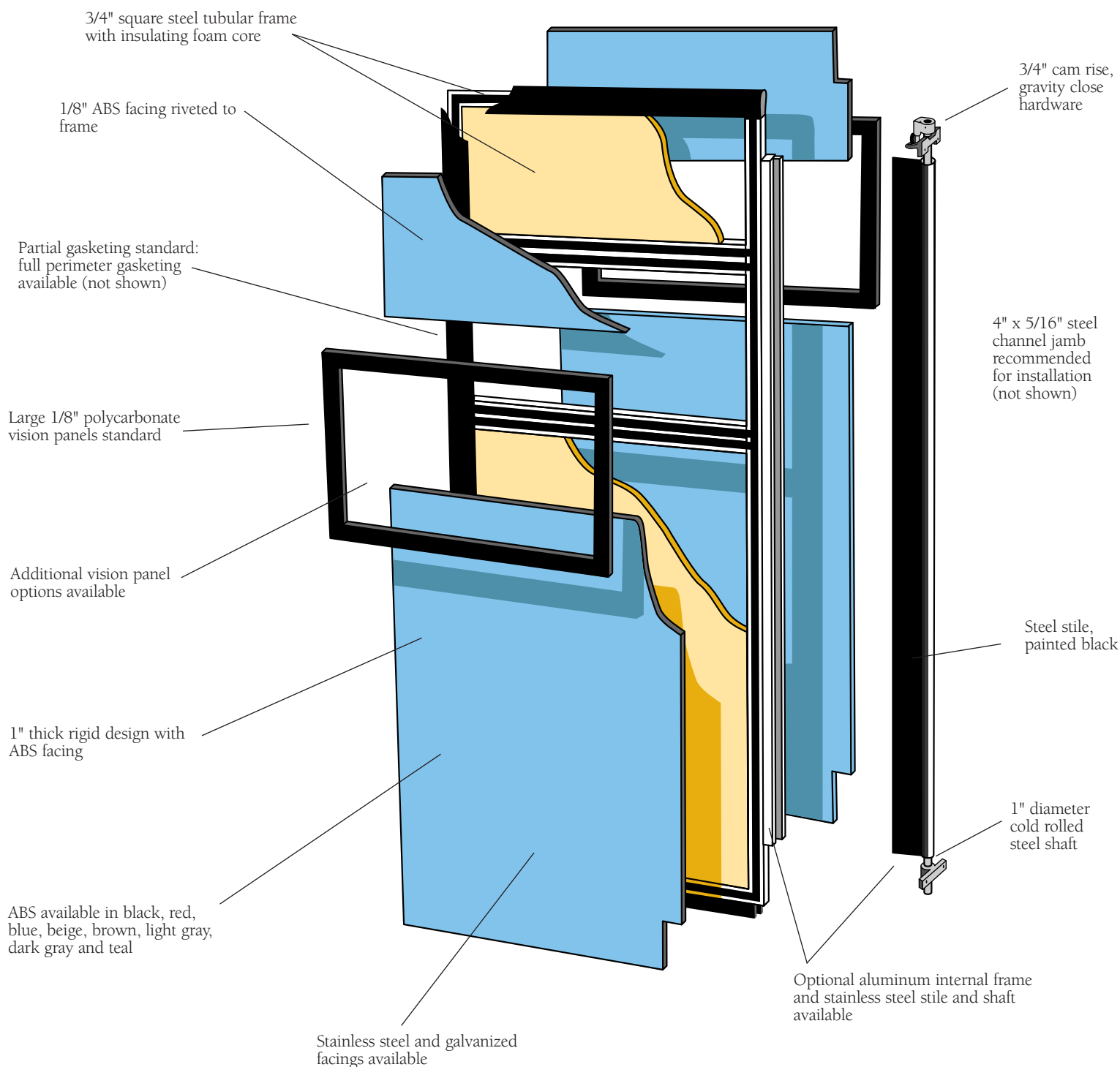
Here is one of the most rugged and versatile impact doors available today. Our Model 3400 is dependable in a wide variety of door openings, including washdown environments and coolers. In addition, the 3400 gives you a choice of standard vision options to improve visibility and safety at your door openings.

The durable, lightweight 3400 door is ideal for both cart and pedestrian traffic. For more information on our full line of high performance doors, contact your Rite-Hite representative or call 1-800-456-0600.

RITE-HITE
DOORS
The Leading Edge In Door Safety.

Look into the advantages of our Model 3400 door.

Choose opening size dimensions from 4' x 7' to 8' x 8'. This door accepts load widths up to 60% of the opening, and can provide sound attenuation of 12db. With a temperature range from +40° F to +90° F, this versatile design accommodates washdown or cold storage applications. Satisfaction is guaranteed with a limited 1-year parts and labor warranty and our exclusive 1-year money back guarantee.



Consider these other 3000 Series door solutions.

Get long-lasting durability with our **Model 3600** door.

This rugged Model 3600 impact door features inch-thick panels and can provide 12db of sound attenuation. It's ideal for a wide variety of applications that handle pedestrian and light-duty traffic.

Tough 1" panels utilize a 3/4" thick wood core and 1/8" ABS facing to resist impacts, dents and gouges

12" x 17" polycarbonate vision panel provides excellent visibility

Durable 1" diameter cold-rolled steel shaft welded to a steel stile

3/4" cam rise, gravity close hardware standard for ease of operation

Variety of options available to fit your specific application



Get value and dependability with our **Model 3800** door.

Here's your cost-efficient choice for a wide range of applications with pedestrian and light-duty cart traffic. This Model 3800 door is USDA-approved and is ideal for washdown environments.

Tough 1/4" ABS panels are lightweight yet resist scuffs, impacts, dents and gouges

12" x 17" polycarbonate vision panels provide excellent visibility

Durable 1" diameter cold rolled steel shaft and full height black extruded PVC outer stile

Stainless steel shaft available for use in washdown environments

3/4" cam rise, gravity close hardware standard for ease of operation

Variety of options available to fit many different applications



Choose the 3000 Series Impact Door that matches your application.

Application	3400	3600	3800
Pedestrian Traffic	•	•	•
Cart Traffic	•	•	•
Light Motorized Traffic	•	•	
Sound Control	•	•	
Temperature Control	•	•	
Washdown	•		•
Cold Storage	•		
Visibility	•	•	•
Enhanced Visibility	•		
Full Perimeter Seal Available	•	•	
USDA Approved			•

Ask your Rite-Hite Doors representative for more details.

Our Rite-Hite Doors specialists are trained and ready to help you find the right doors for your specific applications. And these rugged impact doors are backed by the best guarantees in the business. We offer a limited 1-year parts and labor warranty, plus our exclusive 1-year money-back guarantee. Just ask your representative for full details.



Rite-Hite Corporation

8900 North Arbon Drive, Milwaukee, Wisconsin 53223

414-355-2600 or toll-free: 800-456-0600

Fax: 414-355-4640 www.ritehite.com

RITE-HITE
DOORS
The Leading Edge In Door Safety.

FROMMELT

PLIABLE FABRIC DOORS

Series 2000

Frommelt Series

2000 Impact

Doors are made of rugged double-ply industrial fabric with heavy-duty wear panels and clear PVC vision panels. Top self-closing pivot hinge to permit wide loads to pass, 4' 0" wear panels for longer life, and multiple stitching top and bottom to adapt to floor and lintel are standard.

Minimum 5/16" x 6" steel channel frame tied into substantial wall structure is required. Special hardware is available to strengthen some wall structures; consult factory for details.



Standard Specifications

WIDTH (two panels): 4' 0" to 8' 0"

HEIGHT: 8' 0" recommended maximum

FABRIC: Double ply; available in 22-oz. vinyl (44 oz. total) or 16-oz. Hypalon® (32 oz. total)

VISION PANEL: 16" x 18" clear PVC (14-1/2" x 15" clear vision)

WEAR PANELS: 4' 0"-high Surlyn® or Tu-Ply™, black

GASKETING: Self-sealing at nose, 3/4" overlap; top and bottom trimmable to conform to lintel and floor

HARDWARE: Self-closing pivoting hinge, top only; specific hinge depends on application

TEMPERATURE RANGE: 20°F to 90°F with Surlyn® wear panels; 0°F to 90°F with Tu-Ply™ wear panels

SOUND ATTENUATION: Maximum 6 dB reduction



Series 2000 Doors

Applications

Recommended for interior applications where width of loads exceeds 60% of doorway width, for all types of traffic

Not Recommended for exterior applications; where noise control is a major concern; where pressure differential exceeds 6 mph

Special Considerations

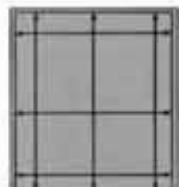
Cooler Conditions Tu-Ply™ wear panels may be required for temperature range; R value is 4.

Loads less than 18" high or less than full width may not activate hinge fully; doors may sweep across load.

Maximum Load Width is 95% of door opening for all types of traffic.

Measurements

Series 2000 doors require three precise measurements of width and of height to



ensure that doors fit the jamb; two diagonal measurements also are recommended. Note differences of floor pitch or rise.

Series 2000

doors will be manufactured with multiple rows of stitching top and bottom; the doors are trimmable to conform to lintel and floor. Shimming may be required for doors to hang straight due to bowing or warping of the jamb.

Common Options

FACING

22-oz. Vinyl Facing (double-ply for 44 oz. total) is available in your choice of black, blue, green and brown.



16-oz. Hypalon® Facing (double-ply for 32 oz. total) is available in your choice of black, blue, green and brown.



All colors shown are approximate; material samples available on request

WEAR PANELS

Coverage of Surlin™ or Tu-Ply™ wear panels may be adapted as required for each application.



WASHDOWN MODIFICATIONS

If Series 2000 doors are used in washdown areas or areas of high condensation, the following modifications are recommended:

- Stainless steel shaft
- Special sewing
- Stainless steel rivets

HARDWARE

Heavy-Duty Hinge: Standard for doors 6'0" wide and larger; resists 6 mph pressure differential.

Medium-Duty Hinge: Recommended for doors up to 6'0" wide; resists 2 mph pressure differential.

Light-Duty Hinge: For doors up to 6'0" x 7'0" maximum; provides no pressure resistance.

Installation And Maintenance

All Series 2000 Impact Doors are installed by trained professionals. Rite-Hite representatives supervise installation to ensure proper performance and make periodic checks of each unit for any circumstance that might require attention.

Series 2000 doors can be cleaned with a mild detergent; household furniture polish will help maintain appearance of wear panels.

If your door requires attention, your Rite-Hite representative can arrange for professional work using high-quality Rite-Hite materials. From recommending and specifying a door to installation, maintenance and repair, you can count on Rite-Hite and our worldwide network of experts to help you make the most of your investment.

In addition to our complete line of impact and power-operated doors, Rite-Hite also manufactures mechanical and hydraulic dock levelers, vehicle restraints, and a broad range of quality dock shelters and seals for any loading dock application. For more information or the name of your nearest Rite-Hite representative, call toll-free:

800-456-0600

Doors may be shown with optional features. Check with an authorized Rite-Hite representative for details on cost.

 **Frommelt**

Frommelt Impact Doors by Rite-Hite

**RITE
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CORPORATION

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8900 N. Arbon Drive
Milwaukee, WI 53223
Fax: 414/355-4640

Represented By:

Tu-Ply is a trademark of Rite-Hite Corporation
Hypalon and Surlin are registered trademarks of E.I. DuPont de Nemours & Co.

ALPHA DOOR SYSTEMS INC.

AFTERMARKET

DEDICATED TO PROVIDING TOTAL CUSTOMER CARE AND SATISFACTION

Job # _____

ALPHA DOOR SYSTEMS INC. (313) 481-1111

CUSTOMER: _____

ADDRESS: _____

DOOR TYPE: _____

DOOR # _____

DOOR SIZE: _____

OPERATOR: _____

DOOR CHECK _____

	GOOD	FAIR	POOR	UNSAFE
1. CHECK SHAFT FOR LOOSE PARTS OR SIGNS OF WEAR				
2. TIGHTEN AND INSPECT DOOR HARDWARE				
3. TIGHTEN AND INSPECT ROLLERS AND TRACKS				
4. MANUALLY OPERATE DOOR AND CHECK OPERATION				
5. LUBRICATE ROLLERS, BEARINGS, ETC.				
6. CHECK ON FLOOR				
7. CHECK WEATHERSTRIP MATERIAL FOR SIGNS OF COLLAPSE				
8. CHECK DOOR SECTIONS FOR DELAMINATION, ETC. (INSIDE)				
9. APPLY SERVICE DECAL (NUMBER DOOR #)				
10. CHECK DOOR FACE FOR DAMAGE (OUTSIDE)				
11. CHECK DOOR SECTIONS FOR DELAMINATION, ETC. (INSIDE)				
12. REPLACEMENT PARTS REQUIRED:				
MODEL _____				
QTY _____				
SIZE _____				
13. COMMENTS:				
14. ELECTRICAL OPERATORS				
15. CHECK CONDITION OF ALL BELTS				
16. CHECK ALL OPERATOR BEARINGS				
17. CHECK ALL SPROCKETS AND CHAINS				
18. CHECK MOUNTING BOLTS TIGHT, WELLS CRACKED				
19. INSPECT, TIGHTEN, LUBE OPERATOR COMPONENTS				
20. CHECK ALL CONTROL DEVICES AND SAFETY FEATURES				
21. IS DOOR LOCKED OUT? _____				
ALPHA LOCK _____				
OTHERS LOCK _____				
Legend:				
Good: Parts have been checked and are currently running in a safe and efficient manner.				
Fair: Parts have been checked and may require future maintenance.				
Poor: Parts have been checked and require immediate attention. Parts must be replaced before use with authorization. Please see comments in Item 13.				
Unsafe: Condition of equipment unsafe for use, requires immediate attention before continued use. (Locked-out)				
Reviewed With Customer: _____				
Date: _____				

PITMASTER™

UNDER-LEVELER SEAL



Frommelt®



COMPLETE THE SEAL AT YOUR LOADING DOCK.

You're already investing in a dock seal or shelter to control the environmental conditions at your dock doors. Why stop at sealing only three sides of the opening? Complete the job by sealing the fourth side with PitMaster,™ the industry's only pit-sealing under-leveler seal.



Open leveler pit without PitMaster.



Pit sealed with PitMaster.

RITE·HITE®

The easy seal for your loading dock's 4th side.

Dirt. Debris. Pests. Heat. Cold. The many reasons you've installed a seal or shelter on your loading dock are the very same reasons you need a PitMaster Under-leveler Seal from Frommelt.

The PitMaster seal goes beyond standard dock leveler weather seals to help keep insects, dust and debris out and heating and cooling energy in by closing off the pit and sealing up air gaps where the leveler, the truck, and the dock seal or shelter all meet.

Keeps docks cleaner.

- ▶ Helps prevent dust, pests, debris and refuse from collecting in leveler pits.
- ▶ Keeps your dock area and your entire building cleaner.
- ▶ Promotes improved sanitation and industrial hygiene.



Without PitMaster.

Dirt and debris can easily collect in the dock leveler pit.



With PitMaster.

The leveler pit stays virtually free of dirt and debris.

Seals air gaps and "white space" with optional corner seals and filler pads.

- ▶ Closes up the gaps at the dock/trailer level that traditional seals and shelters can't seal.
- ▶ Eliminates small openings and "white space" to help your facility pass AIB inspections.



Without PitMaster.

This view from inside the dock with the leveler lip on the bed of a trailer clearly shows air gaps and "white space" at the corners of the leveler.



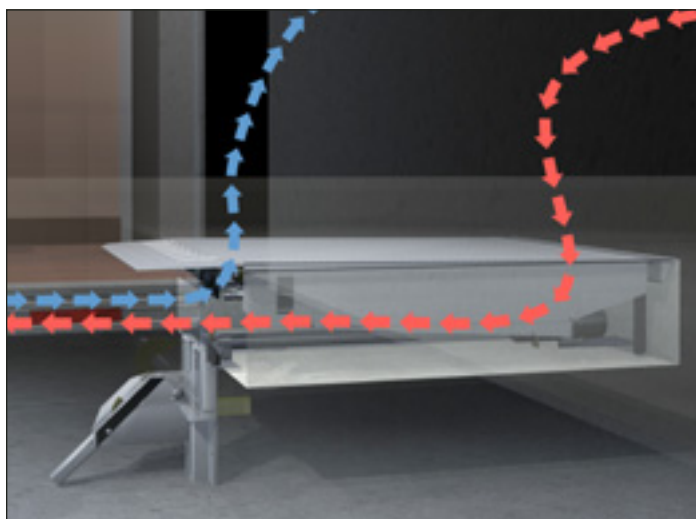
With PitMaster and optional lip corner seals.

The same view shows how air gaps and "white space" have been effectively closed.

Prevent dramatic heat and energy loss through the dock leveler deck.

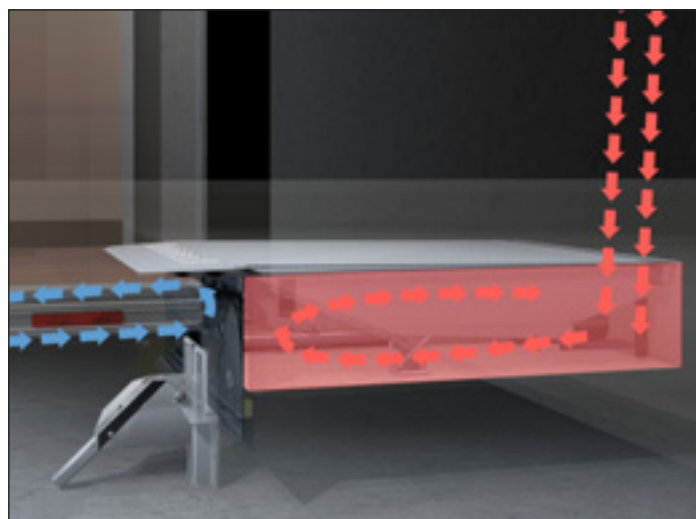
The front of a typical leveler pit is fully open to the environment outside the building. PitMaster minimizes airflow through openings in the leveler pit. And, it creates an insulating “dead-air” cavity in the pit, reducing transfer of heat into or out of your facility through the steel leveler deck and gaps around it.

The result: Substantial energy savings 24 hours a day, whether or not a trailer is parked at the dock.



Without PitMaster.

Heating or cooling energy can escape your facility through open spaces around the leveler, plus heat is transferred through the leveler deck itself.



With PitMaster and optional lip corner seals.

Air trapped by the PitMaster seal creates a pocket of “dead air” in the leveler pit, which acts as a thermal insulator that reduces heat transfer.

Heat losses add up fast.

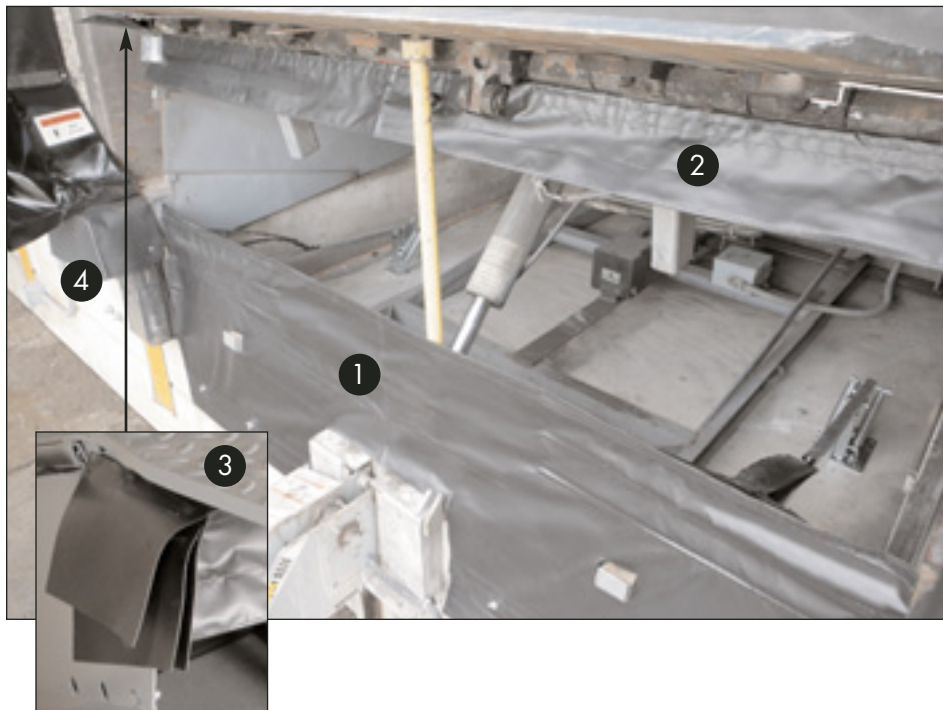
Heating energy lost through open air gaps, and through the leveler deck, can be drastically reduced with PitMaster – for savings as high as \$900 per year per dock position in colder climates. Ask your Rite-Hite Representative for details and a free loading dock energy cost analysis for your facility.

Location	Energy Savings*
Minneapolis, MN	\$904
Milwaukee, WI	\$803
Chicago, IL	\$604
Denver, CO	\$534
Trenton, NJ	\$359
Cincinnati, OH	\$344
Nashville, TN	\$272
Dallas, TX	\$237
Los Angeles, CA	\$512

- Heating only
- Heating and air conditioning
- Freezer dock

*Typical annual energy savings possible per dock position with PitMaster seal and optional lip corner seals.

PITMASTER



1. **The main sealing curtain** made of durable black vinyl is held in place by spring-loaded pivot arms and flexible stays that keep the seal engaged against the leveler and pit sides.
2. **The header curtain** constantly maintains the seal – even when the dock leveler is in an above-dock position (up to 3").
3. **Optional leveler lip corner seals** eliminate the hard-to-seal gaps at the corners of the dock leveler.
4. **Optional filler pads** (shown with optional bumper covers) close the gaps between the leveler and the dock shelter when a truck is in place.

Easy installation.

- ▶ Fits a variety of leveler types with minimal modifications.
- ▶ Installs quickly using common tools.

Money-back guarantee.

- ▶ 12-month money-back customer satisfaction guarantee.
- ▶ The full support you know and expect from Frommelt and Rite-Hite.

Simple maintenance.

- ▶ No regular seal maintenance required.
- ▶ Components can be replaced quickly and easily.
- ▶ Curtain is easily moved for dock equipment maintenance or routine pit cleanout with quick-disconnect feature.



**RITE-HITE
DOORS**

RITE-HITE®

 **Frommelt®**

Rite-Hite Corporation

8900 North Arbon Drive Milwaukee, WI 53223 USA (414) 355-2600 (800) 456-0600 FAX: (414) 355-9248
Mailing Address: Rite-Hite Corporation P.O. Box 245020 Milwaukee, WI 53224 USA

www.ritehite.com

F15PMB0307A

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GUARDRITE® SURE-STOP

BARRIER SYSTEM

Separates and protects

- ▶ Equipment and work areas
- ▶ Personnel areas
- ▶ Building walls
- ▶ Long rail docks

Modular design

- ▶ 18", 24", 36", 48" or 60" lengths
- ▶ Easy to install
- ▶ $\frac{3}{4}$ " x $5\frac{1}{4}$ " concrete anchors provided

Solid performance

- ▶ 8" high, $\frac{3}{16}$ " thick steel withstands the impact of a 10,000-lb. fork truck traveling at 3 to 4 mph
- ▶ $\frac{3}{8}$ " steel gussets support the steel plate and provide durability and strength
- ▶ Safety-yellow powder-coated paint provides high visibility

Best in class

- ▶ Highest value for many difficult applications
- ▶ Unique solutions for area protection problems



A RUGGED NEW BARRIER SYSTEM

Introducing the innovative GuardRite Sure-Stop Barrier System from Rite-Hite – a smarter protection system when it is critical to have a barrier that must stop a fork truck. The gusseted GuardRite Sure-Stop can stop a 10,000-lb. fork truck with little or no deflection.



RITE-HITE®

GUARDRITE SURE-STOP

Compared to conventional fabricated steel guarding...

Before



After



Before



After



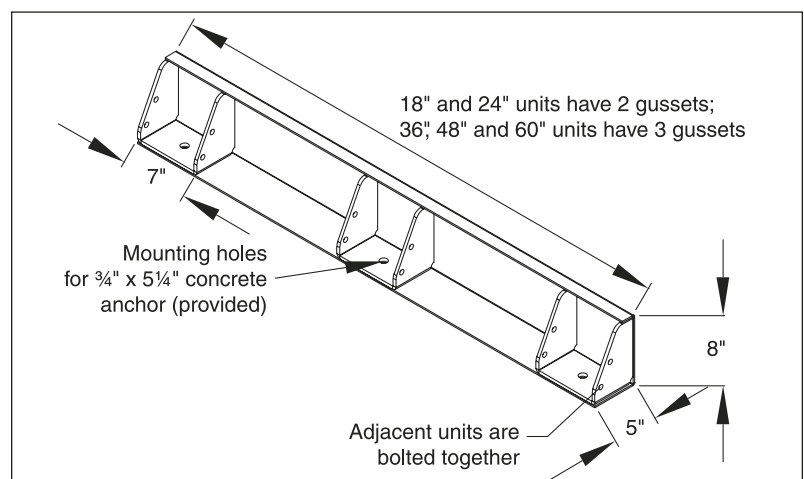
...the GuardRite Sure-Stop Barrier System provides highly effective protection.

Use the GuardRite Sure-Stop as a stand-alone barrier, or incorporate it into custom installations with other barrier systems creating a highly visible barrier for pedestrians and fork trucks.



Specifications

- ▶ 8" high x 5" deep safety yellow powder coated steel guard
- ▶ $\frac{3}{16}$ " thick formed cold rolled steel with $\frac{3}{8}$ " gussets
- ▶ 18", 24", 36", 48" and 60" lengths
- ▶ $\frac{3}{4}$ " x 5 $\frac{1}{4}$ " concrete anchors provided
- ▶ Optional safety striping for added visibility



RITE-HITE
DOORS

RITE-HITE

F Frommelt®

Rite-Hite Corporation

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

Mailing Address: Rite-Hite Corporation P.O. Box 245020 Milwaukee, WI 53224 USA

www.ritehite.com www.ritehitebarriersystems.com

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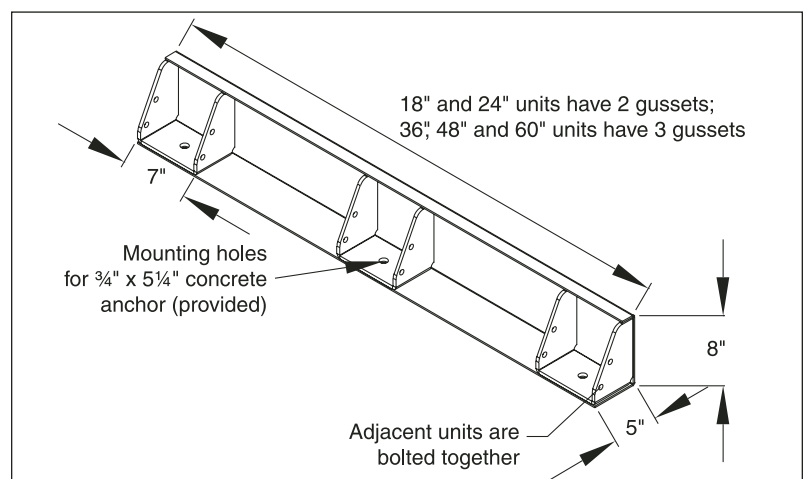
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RITE-HITE
DOORS

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HD DOCK LEVELER CONVERSION

Make your docks safer.

Increase safety and reduce downtime at your loading docks. Rite-Hite Aftermarket's HD Conversion makes it easy to convert your mechanical loading dock leveler to a hydraulic style leveler. Complete with full range float and velocity fuse safety system, there are fewer moving parts for lower maintenance costs. Best of all, ergonomic issues are minimized for increased productivity.

PUSH BUTTON CONTROL

Your loading dock's safety and productivity are improved with a push of a button. Eliminates chain-pulling and leveler walk-down for improved safety and efficiency.

FULL RANGE FLOAT

No chains to pull to remove mechanical legs for normal below dock operation.

HYDRAULIC VELOCITY FUSE SAFETY SYSTEM

Velocity fuse safety stop system provides the safest form of free-fall protection.

SAFE-T-STRUT™ SUPPORT SYSTEM

Rite-Hite's unique through-the-lip design keeps strut in place even when the leveler is raised to its highest position or is impacted by a fork truck.

FULL RANGE TOE GUARDS

Heavy-duty 3/16" toe guards protect personnel and increase leveler integrity.



Get push-button convenience and proven hydraulic reliability.

♦ Rite-Hite's HD Conversion has a velocity fuse safety system to stop platform free-fall within 3".

Only hydraulic dock levelers provide free-fall protection and unrestricted full range float.



RITE-HITE

1. BETTER ERGONOMICS ... HD Conversion

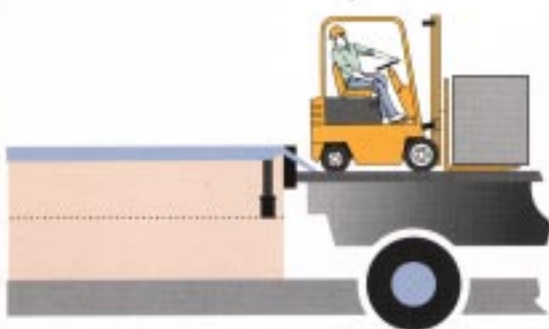


AFTER

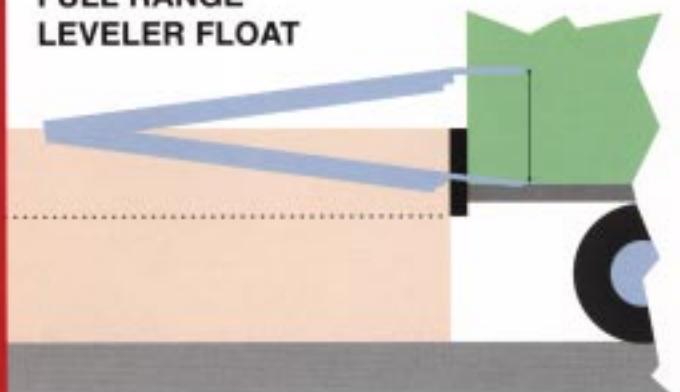


2. UNRESTRICTED FULL RANGE FLOAT

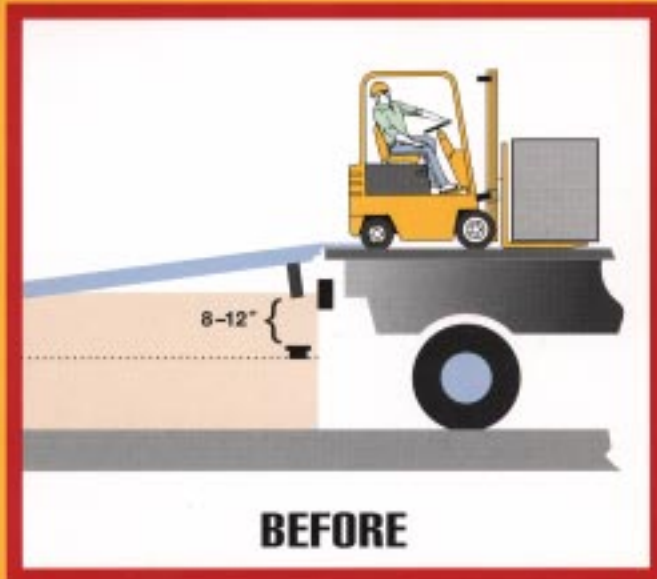
SUPPORT LEG
INTERFERENCE



FULL RANGE
LEVELER FLOAT



3. IMPROVED FREE-FALL SAFETY



4. HYDRAULIC LEVELER vs. MECHANICAL LEVELER

LOWER LIFETIME OWNERSHIP COST

- Downward-Biased = Less Leveler Wear And Tear
- Fewer Moving Parts = Lower Maintenance Costs
- Lower Average Yearly Maintenance Cost = Hydraulic: 4 hours vs. Mechanical: 8 hours



BEFORE



AFTER

MECHANICAL DOCK LEVELER EVALUATION/WORKSHEET

OPTION	DESCRIPTION	PROS	CONS
1. Repair	From minor part(s) replacement to welding or major component replacement.	Minimizes current cost.	Still have same equipment and recurrence of same problems.
2. Upgrade	Replacement of key components: holddown or lip extension system.	Enhances the most critical components of mechanical levelers.	Still have same basic equipment. Significant costs.
3. Conversion*	Changing leveler from mechanical to hydraulic type.	Push Button Full-Range Float Velocity Fuse Emergency Safety System Fewer Moving Parts Full-Range Toeguards Safe-T-Strut™ Maintenance Support System	Still have same structure.
4. Replacement	Replace used mechanical leveler with new leveler.	Totally new equipment. Greatest choice of dock leveler models and features.	Initial cost.

* Conversion should only be considered if structure is estimated to have at least 5 years of remaining life.

Hire the nation's #1 service organization.

Our technicians proudly wear the Dok-Solid patch and are the special forces of the industry. Rite-Hite Representatives are the best trained, best equipped experts in the nation. Their commitment to quality and service include:

- Factory training and certification.
- Fully insured and bonded.
- Same day emergency service.
- Service trucks stocked with a complete inventory.
- Qualified to repair competitor's equipment.
- Planned maintenance programs.
- All products backed by a full one-year warranty and customer satisfaction guarantee.



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(800) 456-0600

TS-2000 TRAILER STAND

Increase Dock Safety.

Introducing a heavy-duty trailer stand that provides a safe, secure support when placed under a spotted semi-trailer at the loading dock. TS-2000 from Rite-Hite Aftermarket is a rugged trailer support that helps make your loading dock safer.

PREVENTS TRAILER UP-ENDING

When fork-trucks load at the front of trailers, the trailer can become nose heavy and tip. This hazardous situation can be prevented by using TS-2000 Trailer Stand.

PREVENTS LANDING GEAR COLLAPSE

Seldom used or rusted landing gear may collapse under extreme weight conditions. With the TS-2000 Trailer Stand, the trailer remains supported and minimizes this dangerous condition.

IMPROVES ERGONOMICS AND EASE-OF-OPERATION

Always ready-to-use crank along with longer and wider positioning handles help ensure proper use of the trailer stand.



MINIMIZE LOADING DOCK ACCIDENTS WITH POSITIVE TRAILER SUPPORT!

Rite-Hite Aftermarket's TS-2000 Trailer Stand is placed at the nose of spotted trailers, helping to prevent accidents caused by trailer up-ending and landing gear collapse.

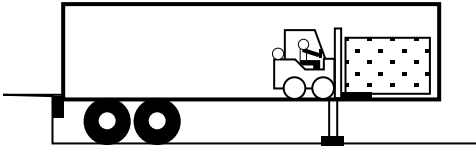
Easy to move and operate, this trailer safety system meets or exceeds requirements of:

- OSHA Regulation 1910.178
- TTMA Technical Bulletin No. 57
- AIAG Shipping and Receiving Handbook-June 8, 1999



RITE-HITE®

TS-2000 TRAILER STAND



Prevent Landing Gear Collapse.

An unsupported spotted trailer can collapse with fork truck and driver inside, creating a hazardous situation.



PER OSHA REGULATION

1910.178 (k) (3) Fixed jacks may be necessary to prevent up-ending during loading and unloading when trailer is not coupled to tractor.

TTMA TECHNICAL BULLETIN NO. 57

2.1 The purpose of this bulletin is to emphasize the potential of trailer nose diving or tail diving under certain conditions of loading and unloading and provide guidelines for reducing this danger by the use of stabilizing devices whenever the trailer is not supported by a tractor or converter dolly.

3.1.1 It is recommended that an adequate stabilizing device or devices be employed at the front of the trailer in all cases where a trailer is being loaded or unloaded with the trailer resting on its support legs rather than on a tractor fifth wheel or converter dolly.

SPECIFICATIONS

- Static Load Capacity: 100,000 lbs.
- Overall height retracted: 42".
- Overall height extended: 55".
- Reduced height options available.
- Crank turns per inch of travel: 4.
- Weight: 220 lbs.
- 16" long positioning handles.
- 3-Year Warranty.



Door Section Options

A New Solution To An Old Problem.



Universal™ GX-4000

UNIVERSAL™ GX-4000 Performance

- Flexible.
- Impactable.
- No downtime if slat replacement is ever needed.
- No emergency service call.

Replacement

- In-stock on service trucks.
- Immediate fix.
- Higher product cost.
Lower labor cost.



EXISTING STYLE PANEL Performance

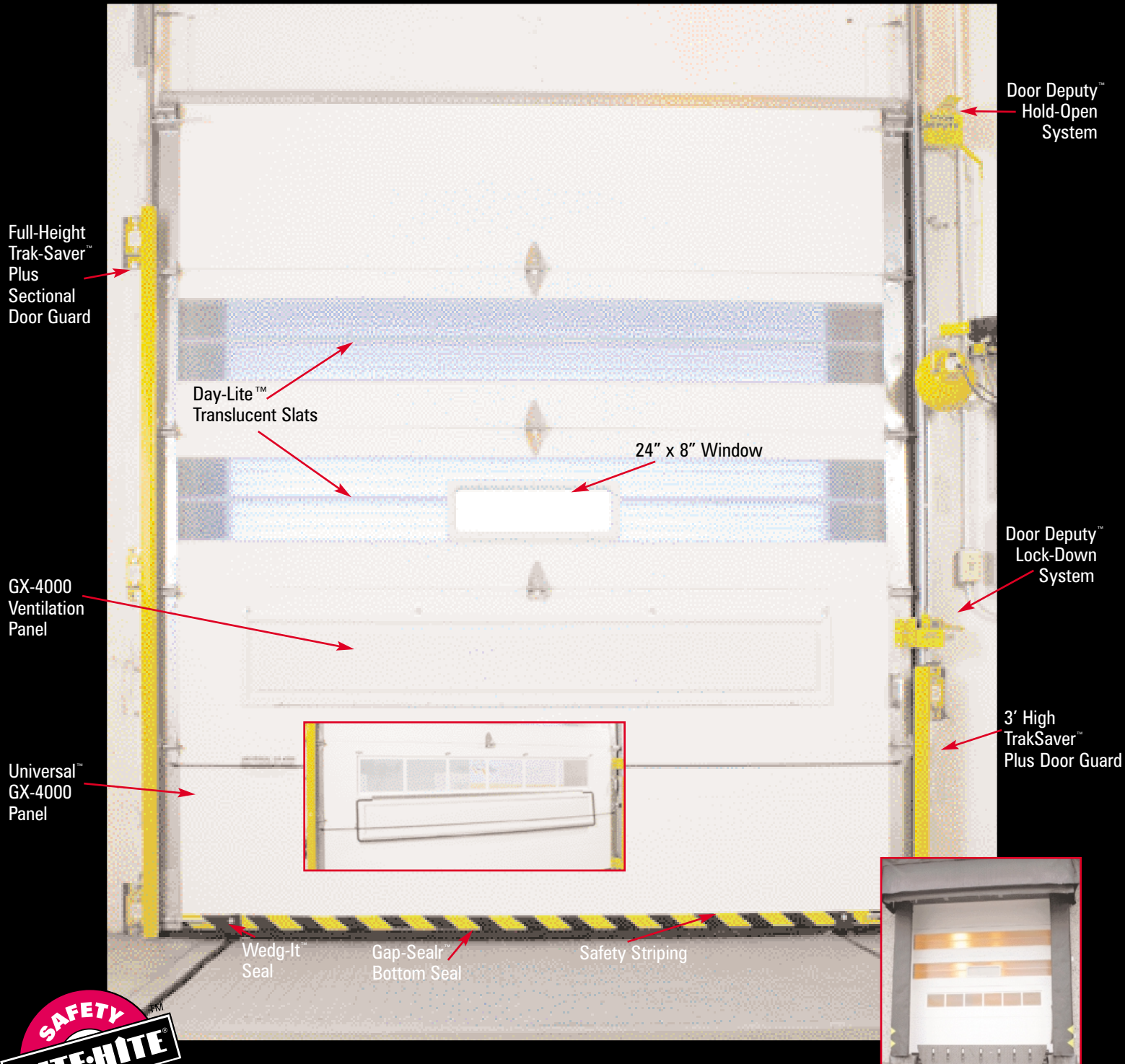
- Not flexible.
- Non-impactable.
- Downtime if damaged and/or additional replacement is needed.
- Emergency service call is likely.

Replacement

- Additional trip needed with new parts.
- Added lead time.
- Lower product cost.
Higher labor cost.

RITE·HITE®

UNIVERSAL DOOR SYSTEM SOLUTIONS



• Rite-Hite reserves the right to make product improvements without prior notice. VELCRO is a registered trademark of Velcro Industries.

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(800) 456-8600

UNIVERSAL™ **GX-4000 DOOR**



A Modular Design Allows Many Solutions

The GX-4000 VENTILATION SOLUTION

*The BEST ALTERNATIVE for your overhead
door ventilation needs.*

EASILY RETROFITS

- Readily conforms to most existing sectional doors.
- No additional door tracks, springs or hardware required.
- Doesn't reduce or restrict door opening.

BETTER SECURITY

- Maintains security instead of compromising it.
- Doesn't require additional door—which sacrifices security.
- 1" metal bars on 13" center lines provide structural integrity.

BETTER SEAL

- Tighter seal than other types of door screens.
- Keeps pests and rodents out instead of creating new avenues of entry.
- No dirt and debris collection due to additional door, tracks, and framing.

AESTHETICS AND MAINTENANCE

- Clean, good looking appearance—looks like conventional sectional door panel.
- Easy-to-clean.
- No additional maintenance like other ventilation products.



RITE-HITE®

There's A Universal GX-4000 Door For Every Application...



Complete Universal GX-4000 door at a food processing facility.



A Universal GX-4000 door with multiple Ventilation panels at a bottling plant.



Multiple Universal GX-4000 doors with Ventilation panels at a cereal processing plant.



A Universal GX-4000 door at a paper printing plant.



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(800) 456-0600

A14UG4B0405A

Design The Universal GX-4000 Door That Best Meets Your Needs...



Complete Universal GX-4000 door with multiple Ventilation panels at a beverage distribution center.



A Universal GX-4000 door with Day-Lite Translucent slats and a window at a manufacturing plant.



Multiple Universal GX-4000 doors with three Universal Ventilation panels at a sugar processing plant.



Full Universal GX-4000 door with Day-Lite Translucent slats at a training facility.

RITE·HITE®

The Modular GX-4000 Door Can Help Make Your Docks Efficient...



Universal GX-4000 impactable bottom panels and a 30" high Ventilation panel at a paper distribution facility.



A Universal GX-4000 door in a sliding application as a rail dock door.



A Universal GX-4000 door with multiple Day-Lite™ Translucent slats and Ventilation panel at a distribution center.



Multiple Universal GX-4000 bottom and Ventilation panels at a juice processing plant.

RITE·HITE®

Door Ventilation SYSTEM SOLUTION



UNIVERSAL® GX-4000 VENTILATION PANEL



- Two screen sizes available (52" and 80") depending on door widths.
- Two ventilation options:
 - #12 Screens: .020" dia. stainless steel wire, 58% open area, .083" x .083" hole sizes.
 - #30 Screens: .010" dia. stainless steel wire, 49% open area, .030" x .030" hole sizes (food grade).
- Fully enclosed 1/8" thick white ABS cover with all-season weather seal and easy turn latching. Clear cover available.
- Standard easy open and close cover makes ventilation readily available. Optional removable cover.
- Full-width piano-style hinge for durability.
- Powder coated steel framing for stability and security.
- Modular design for maximum flexibility.

• Rite-Hite reserves the right to make product improvements without prior notice.

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P.O. Box 245020 ■ Milwaukee, WI 53224-9520 ■ (414) 355-2600 ■ FAX: (414) 355-9248 ■ www.ritehite.com
(800) 456-0660

COOLMAN™ 2500 TRAILER FAN

HELPS INCREASE EMPLOYEE COMFORT AND PRODUCTIVITY.

Help your dock personnel stay comfortable with the CoolMan™ 2500 Trailer Fan by Rite-Hite Aftermarket.

The CoolMan fan conditions the trailer environment to warmer or cooler facility temperatures.

Unique mounting arm and bracket allows the CoolMan to be positioned into the door opening and service two positions.

The CoolMan trailer fan easily pivots and rotates to re-direct air flow as people work in different areas of the trailer.

The CoolMan fan easily moves out of the opening for full access fork truck traffic.



SPECIFICATIONS

- 1/2 hp, 5 FLA, 3 speed motor
- Low speed 1600 CFM, middle speed 2000 CFM, high speed 2500 CFM
- Heavy-duty polyethylene housing
- 25' power cord
- Heavy-duty 11 gauge positioning arm
- UL Listed

CoolMan™ 2500 Trailer Fan comes with optional dock light for trailer lighting to help eliminate the need for two separate components.



RITE-HITE

S P E C I F I C A T I O N S



PRODUCT

2.1 CoolMan™ 2500 Trailer Fan shall have a safety yellow heavy-duty polyethylene housing.

2.2 CoolMan™ 2500 Trailer Fan shall have a fully enclosed 1/-horsepower 3-speed motor.

2.3 CoolMan™ 2500 Trailer Fan shall have a 11-gauge double-strut hinging arm assembly with a single arm-extension that allows for fan to service two side-by-side loading dock bays, and allows the fan to be moved completely out of the door opening for full access fork truck traffic. The arm assembly length will allow the fan to project into the loading dock opening and into the trailer opening for optimum air movement and cooling effect.

2.4 The single arm of the CoolMan™ 2500 Trailer Fan shall have a telescoping feature which allows for length adjustment at time of installation depending upon the centerline of the dock door openings to maximize the reach of the fan towards and into the trailer.

2.5 CoolMan™ 2500 Trailer Fan shall be connected to a bracket and arm assembly so that the fan can be moved vertically and horizontally for optimum cooling effect. The 130-degree minimum vertical positioning allows the fan to be directed towards the front or rear of a 45-foot trailer while the 360-degree horizontal positioning allows the fan to be directed from one side to the other side of the trailer, and to be equally effective for servicing two side-by-side door openings.

2.6 CoolMan™ 2500 Trailer Fan shall have a four-position toggle switch with a 25-foot power cord and a 110-volt plug-in connection.

2.7 CoolMan™ 2500 Trailer Fan shall have a low-speed which produces approximately 1600 CFM's; the CoolMan™ shall also have a middle-speed which produces 2000 CFM's and a high-speed which produces 2500 CFM's.

2.8 CoolMan™ 2500 Trailer Fan shall be UL listed and meet OSHA general safety requirements.

2.9 CoolMan™ 2500 Trailer Fan shall have an option for a loading dock light which shall provide light into the trailer.

3.0 CoolMan™ 2500 Trailer Fan shall have a 1-year parts and labor warranty.

EXECUTION

3.1 Installer shall examine the substrate and conditions under which the CoolMan™ 2500 Trailer Fan is to be installed and notify the A/E and contractor in writing of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.

3.2 Manufacturer's Representative for the CoolMan™ 2500 Trailer Fan shall install the CoolMan™ Trailer Fan in accordance with manufacturer's recommendations.

- Rite-Hite reserves the right to make product improvements without prior notice.

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(800) 456-0600

Configure Cool Head to your specifications.

Cool Head DL Series	Cool Head FL Series
<div>40"</div>	<div>40"</div>
<div>60"</div>	<div>60"</div>
<div>90"</div>	<div>90"</div>



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Hypalon is a registered trademark of E.I.DuPont De Nemours & Co.

COOL HEAD™ SERIES DOCK LIGHT

See dock illumination in a whole new light.

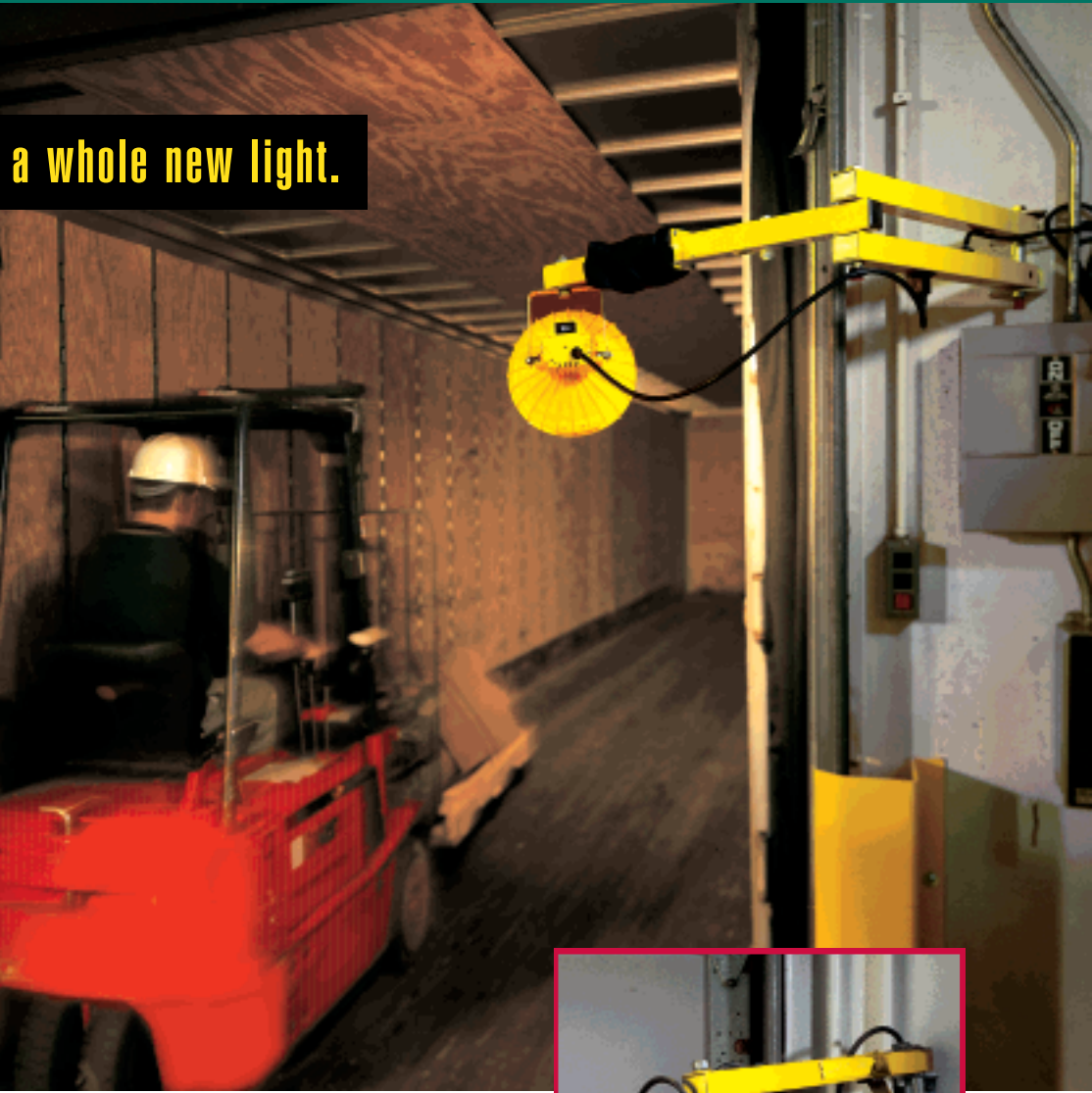
Introducing the first loading dock light worthy of wearing the Rite-Hite name. Cool Head Series is built strong and smart to survive this high traffic area. With its cool-to-the-touch head and flexible arm assembly, it won't leave you in the dark like easily-damaged conventional lights.

MAINTAINS PRODUCTIVITY.
Cool Head lamps withstands the worst abuse to keep docks lighted and productive. They help prevent product damage that might otherwise occur in the dark.

BENDS BUT DOESN'T BREAK.
High-impact polycarbonate head rebounds from crushing blows. Flexible arm springs back from impacts that would disable conventional lights.

SAVES TIME AND MONEY.
Built-in strengths eliminate the need for frequent, costly repairs. Frees maintenance crews to be more productive.

HELPS COMPLY WITH REGULATIONS.
OSHA requires loading docks to be lighted. Cool Head Series keeps you in compliance and more, with features that increase safety and durability.



Keep a Cool Head where safety and maintenance are concerned.

The failings of conventional dock lights are a hot topic. They're prone to damage from overhead doors, fork trucks and material handling packages. And more than one worker has been burned when touching a hot lamp head or injured when colliding with a broken, sagging light. Maintain your composure with Cool Head, engineered to the same rigorous standards as our legendary dock levelers.



Conventional dock lights are damaged over and over again. Their metal heads are easily dented and dangerously hot.

LIGHT YEARS AHEAD IN SAFETY AND DURABILITY.

INSTALLATION

- Anchors with sturdy, all-metal bracket.
- Four 7/16" mounting holes to spread weight and transfer load.

CONSTRUCTION

- 1-1/2", 14-gauge square steel tubing.
- Double-strut design for stability.
- Increased strength for longer life.
- Won't bend or sag over time.
- Available in 40", 60" and 90" extensions.

SAFETY REQUIREMENTS

- UL listed.
- Meets NEC and OSHA general safety requirements.
- All models and options are in compliance.

FINISH

- Safety yellow powder coating.
- High visibility.
- Rust-resistant.

PERFORMANCE

- Withstands impacts and abuse of loading dock.
- Exclusive flex arm for the ultimate in "give."
- Resists damage, increases margin of safety.
- Hypalon fabric cover for water resistance.

POLYCARBONATE HEAD

- High-impact.
- Indestructible under normal industrial use.
- Shock-resistant.
- 50% less weight than metal head.
- Cool-to-the-touch.
- Non-conductive, corrosion-resistant.
- Optional wire guard to protect bulb.
- Bulb not included.

Cool Head FL
The ultimate in
spring-back strength.

CONSTRUCTION

- Same heavy duty components as Cool Head FL, except includes a standard extension arm.
- An economical choice.

Cool Head DL
A standout in
everyday reliability.

Optional heavy-duty mounting bracket for superior support.

- Zinc plated, rust-resistant.
- Constructed for longer service life.
- Eight 7/16" mounting holes.

High Pressure Sodium Lamp Head for special applications.

- Designed for heavily-used loading docks where light remains on for longer periods.
- 500 equivalent watts of illumination, only 50 watts of energy use.
- Polycarbonate head with internal metal reflector and aluminum diffuser.
- Optional Lexan lens for food and pharmaceutical industries.
- Optional with either model Cool Head Dock Light.
- Cool-to-the-touch.
- Includes light diffuser and bulb.
- 24,000 hour lamp life.

Optional wire lamp guard to protect incandescent bulb.

- All-metal construction.
- Mounts on polycarbonate head.



GUARDRITE® SB3 BARRIER SYSTEM

SEPARATES & DEFINES

- Interior Loading Docks
- Long Walkways
- Large Work Areas

MODULAR DESIGN

- Easy to install
- Spans up to 60' (18.29m) long

PERFORMANCE

- Steel posts provide solid support
- 6" (152.40 mm) high yellow restraining straps provide excellent visibility
- Absorbs impacts without strap damage. Strap can be easily retensioned
- Straps may be removed for unobstructed access

STANDARD DESIGN

- Double posts stop a 10,000-lb. (4,535.92 kg) fork truck at 4 mph (6.44 kph)
(See deflection chart on back page)

LIGHT-DUTY DESIGN

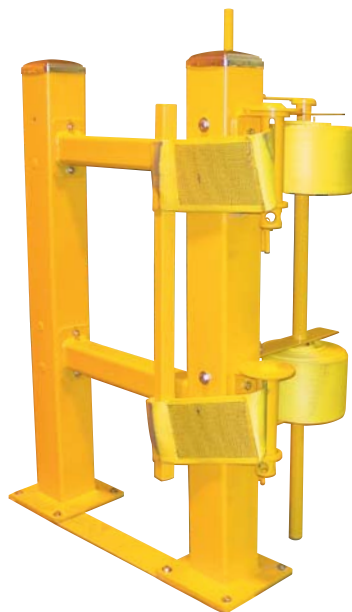
- Single posts
- Pedestrian barrier only

STORAGE SYSTEM

- Simple, manual operation keeps straps neatly organized when access is needed

BEST IN CLASS

- Highest value for many difficult applications
- Unique solution for area protection problems



GuardRite SB3 Storage System

A NEW INNOVATIVE BARRIER SYSTEM

GuardRite SB3 Barrier System is a unique way to protect large work areas or long walkways in your facility. Consider the SB3 for areas that are currently designated by only a yellow painted line. It provides an economical, effective visual and physical barrier to help keep people and material handling equipment out of harm's way.



RITE·HITE®

GuardRite SB3 Specifications, Options & Configurations

SPECIFICATIONS

■ SINGLE POSTS

- 48" (1.22 m) tall by 5" (127 mm) x 5" (127 mm) x 3/16" (4.76 mm) thick steel
- Yellow powder coat paint
- 10" (254 mm) x 10" (254 mm) x 1/2" (12.70 mm) steel base plate
- Four 3/4" (19.05 mm) x 5 1/4" (133.35 mm) anchors per post provided

■ REINFORCEMENT POSTS

- Single posts same as above plus...
- Two connecting, bolt-together 3" (101.60 mm) x 3" (101.60 mm) x 21" (533.40 mm) steel arms with hardware

■ DOUBLE STRAP RESTRAINING KIT

- Two 6" (152.40 mm) high yellow nylon restraining straps
- Two tensioner assemblies with hardware
- Latch bar and latch bracket with hardware
- Available in increments of 10' for openings up to: 10' (3.05 m), 20' (6.10 m), 30' (9.14 m), 40' (12.19 m), 50' (15.24 m) and 60' (18.29 m)

■ SINGLE STRAP RESTRAINING KIT

- One 6" (152.40 mm) high yellow nylon restraining strap
- Two tensioner assemblies with hardware
- Available in increments of 10' for openings up to: 10' (3.05 m), 20' (6.10 m), 30' (9.14 m), 40' (12.19 m), 50' (15.24 m) and 60' (18.29 m)

GUARDRITE SB3 DOUBLE-POST DEFLECTION REFERENCE CHART

Length A

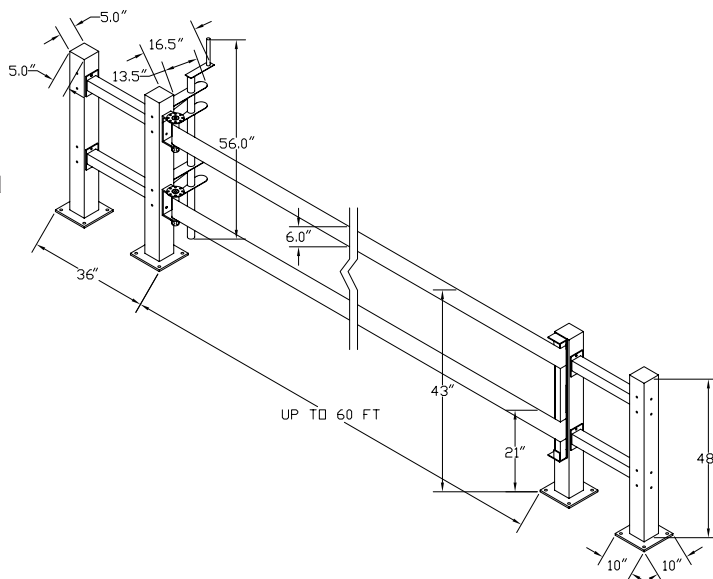
10' Span (3.05 m)
20' Span (6.10 m)
30' Span (9.14 m)
40' Span (12.19 m)
50' Span (15.24 m)
60' Span (18.29 m)

Deflection B

20 inches (510 mm)
32 inches (810 mm)
42 inches (1100 mm)
50 inches (1300 mm)
65 inches (1700 mm)
84 inches (2100 mm)

■ STORAGE SYSTEM

- 1" (25.40 mm) round x 8" (203.20 mm) high handle
- 1/8" (3.18 mm) thick steel support brackets
- 13 1/2" (342.90 mm) projection by 56" high



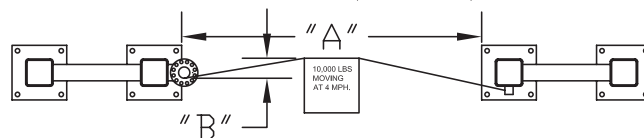
IMPORTANT!

Restraining straps will deflect when loaded. Use care when determining mounting location near equipment or change in elevation. Please see chart to allow for the proper deflection distances.

PEDESTRIAN BARRIER ONLY (SINGLE POSTS)



FORK TRUCK BARRIER (DOUBLE POSTS)



Alternative Protection for Other Areas Of Your Plant



Choose the new innovative GuardRite EX3 Protection System as a unique and cost-effective way to separate and define areas in your facility.



Choose the traditional GuardRite Steel Railing Protection System for heavy-duty applications when fork truck protection is required and unobstructed access is not needed.

Contact: Rite-Hite Aftermarket Corporation
8900 North Arbon Drive ■ Milwaukee, WI 53223
P.O. Box 245020 ■ Milwaukee, WI 53224-9520
(414) 355-2600 ■ FAX: (414) 355-9248 ■ www.ritehite.com
(800) 456-0600

Rite-Hite reserves the right to make product improvements without prior notice.
Patent Pending

A14GRDSB106A



GUARDRITE® EX3 BARRIER SYSTEM

SEPARATES & DEFINES

- Work Areas
- Walkways
- Storage Areas

MODULAR DESIGN

- Easy to install
- Adapts to many custom configurations
- Cut to fit at the time of installation
- Rails can be removable

PERFORMANCE

- Steel columns provide solid support
- Sturdy PVC rails with yellow and black safety striping provide excellent visibility
- Absorbs incidental impacts and returns to original shape
- Withstands 200 lbs. (90.72 kg) of force from any direction

BEST IN CLASS

- Highest value for many applications
- Lower cost than traditional steel guard railing



A NEW INNOVATIVE PROTECTION SYSTEM

GuardRite EX3 Barrier System is a unique cost-effective way to separate areas in your facility. Consider the EX3 in areas currently designated by only a painted yellow line to provide an effective visual and physical barrier.



RITE·HITE®

GuardRite EX3 Specifications, Options & Configurations

SPECIFICATIONS

■ Steel post columns 43" (1.09 m) high x 5" (127 mm) diameter

- 11-gauge
- Yellow powder coat paint
- 8" (203.2 mm) x 8" (203.2 mm) x 1/4" (6.35 mm) steel base plate
- Two anchors 1/2" (12.70 mm) x 5-3/4" (146.05 mm) per post
- Optional add-on post extension allows post columns to extend up to 86" (2.18 m)

■ Rail 9'6" (2.9 m) long x 7" (177.8 mm) high x 3" (76.20 mm) wide

- 4" (101.6 mm) safety striping on one side for high visibility
- Two angles and four screws per rail
- Add-on rail 9'6" (2.9 m) long x 6" (152.4 mm) high x 3" (76.20 mm) wide
- 4 rail option
- Full-stacking option

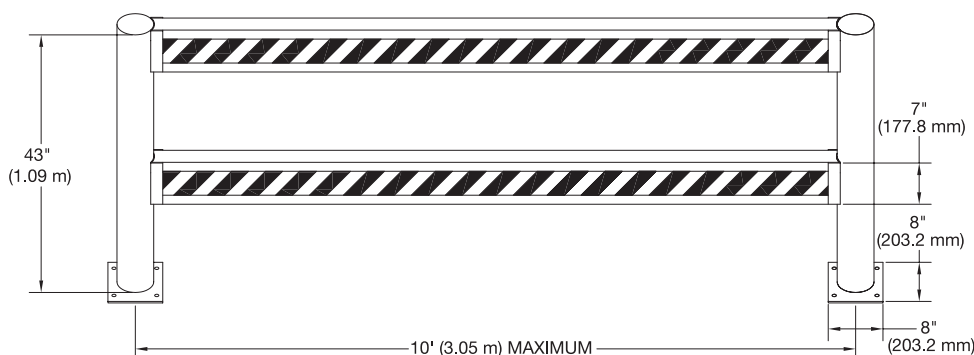
■ Rail supports 7" (177.8 mm) high

- U-shaped
- Three self-tapping screws per support for mounting at any position on the post
- Optional 43" (1.09 m) full-height
- Six self-tapping screws

RAIL POSITIONING:

RAILS CAN BE POSITIONED AT ANY HEIGHT.

STANDARD RAIL HEIGHTS ARE 42" (1.07 m) AND 21" (533.4 mm)



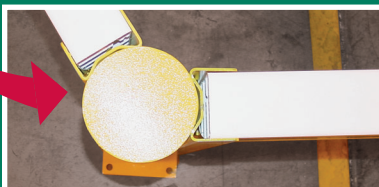
4-Rail Option



Full-Stacking Option



Versatile design allow rails to be installed at any angle.



**HEAVY
DUTY**

GuardRite Steel Protective Railing System

Choose a rugged steel rail system to help you define loading dock areas, guided vehicle routes, and pedestrian aisles when fork truck protection is needed.

The 12-gauge steel rail protective system can stop a 10,000-lb. (4,535.92 kg) fork truck traveling at 3 to 4 mph (4.83 to 6.44 kph). Standard designs include a 17" (431.80 mm) high single rail system or a 43" (1.09 m) double high rail system for extra protection.

All rails and posts are yellow powder coat painted for added safety and visibility.



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Patent Pending

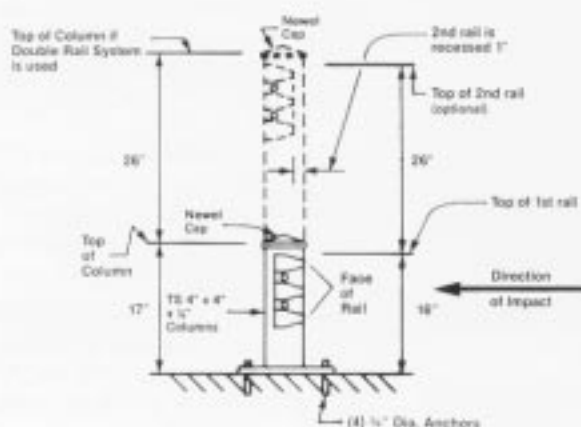
A14GRDEX705A



TOP VIEW - GUARDRITE® RAIL LAYOUT
(shown with single rail only)



SECTION A-A



GUARDRITE® Protective Railings

Components	Size
Standard Rail	9'8"
Single Post	17" High
Double Post	43" High
Description	Size
1'	9' - 12"
2'	13' - 24"
3'	25' - 36"
4'	37' - 48"
5'	49' - 60"
6'	61' - 72"
7'	73' - 84"
8'	85' - 96"
9'	97' - 108"

The GUARDRITE® Protective Railing System is designed specifically for industrial use and is not to be confused with highway guard rails.

Architect Specifications

General Description

The GUARDRITE® Protective Railing System comes complete with component hardware. When properly installed, these railings are designed to withstand the impact of a moving vehicle weighing up to 10,000 lbs. and traveling up to 4 mph.

Construction

Rail is constructed of 12-gauge, high tensile steel, 50 KSI minimum yield. Each standard section is a minimum 3" (W) x 10" (H) x 10' (L) column. Mounting posts are a minimum TS 1/4" x 4" x 4" cold formed structural steel tubing that meets the requirements of ASTM A500 Grade B; yield strength = 46 KSI.

Finish and Protection.

All surfaces are painted safety yellow. Railing edges shall be covered with protective vinyl stripping. Mounting post tops are covered with end caps.

Installation

All components are to be installed in accordance with supplied manufacturer's specifications.

For more information, contact your Rite-Hite representative listed below:



Protect your plant personnel and equipment.

The GUARDRITE® Protective Railing System helps prevent forklifts, sweepers and other in-plant vehicles from damaging your facilities or equipment, and injuring your employees; so you can avoid costly downtime, repairs and legal problems.

These rugged steel railings also help you define loading dock areas, guided vehicle routings, conveyor runs and pedestrian aisles—to keep your plant safe and efficient.

Easy installation. Simply bolt GUARDRITE® components together and anchor the mounting posts to the floor. It's that easy—with no disruption to your operation.

Solid performance. GUARDRITE® railings, when properly installed, can withstand the impact of a 10,000-lb. vehicle traveling at speeds up to 4 mph.

Choice of sizes. You can choose the single rail system (17"-high), which provides excellent protection for most applications; or the double rail (43"-high), where extra protection is needed.



WHEEL GUIDE ALIGNMENT SYSTEM

Consistently Positions Trailers.

ALIGNS TRAILERS within inches to assist full-width loading and unloading through dock doors and across levelers.

PROVIDES BETTER PROTECTION for dock seals and shelters from backing trailers.

ALLOWS BETTER SEALING around truck opening.

MINIMIZES DAMAGE to bumpers, levelers, seals and building by precisely positioning trailer at opening.

APPLICATION

- Portable: temporary or permanent
- Surface-mounted
- Positioned 5' from loading dock
- Requires concrete apron
- Can be utilized as truck centering or truck funneling guides

SPECIFICATIONS

Length:	13'
Material:	Schedule 40 tubing
Finish:	Safety yellow powder coated
Base Plates:	5/16" steel plate
Anchors:	(24) 5/8" x 5-1/4" anchors supplied
Weight:	220 lbs.
Height:	10-3/4"



Wheel Guide System by Rite-Hite Aftermarket helps ensure trailer arrives "on center" at the dock every time.

• Rite-Hite reserves the right to make product improvements without prior notice.

RITE-HITE

Dok-Box™ Pit Forming Kit

Reduce Dock Leveler Pit Forming Costs.

Conventional methods for pouring dock leveler pits can be costly and time consuming. The revolutionary Dok-Box Pit Forming Kit by Rite-Hite Aftermarket minimizes costs associated with pouring a dock leveler pit. The exclusive Dok-Box design slides and hooks together to easily create the pit you need.

REDUCES PIT FORMING COSTS

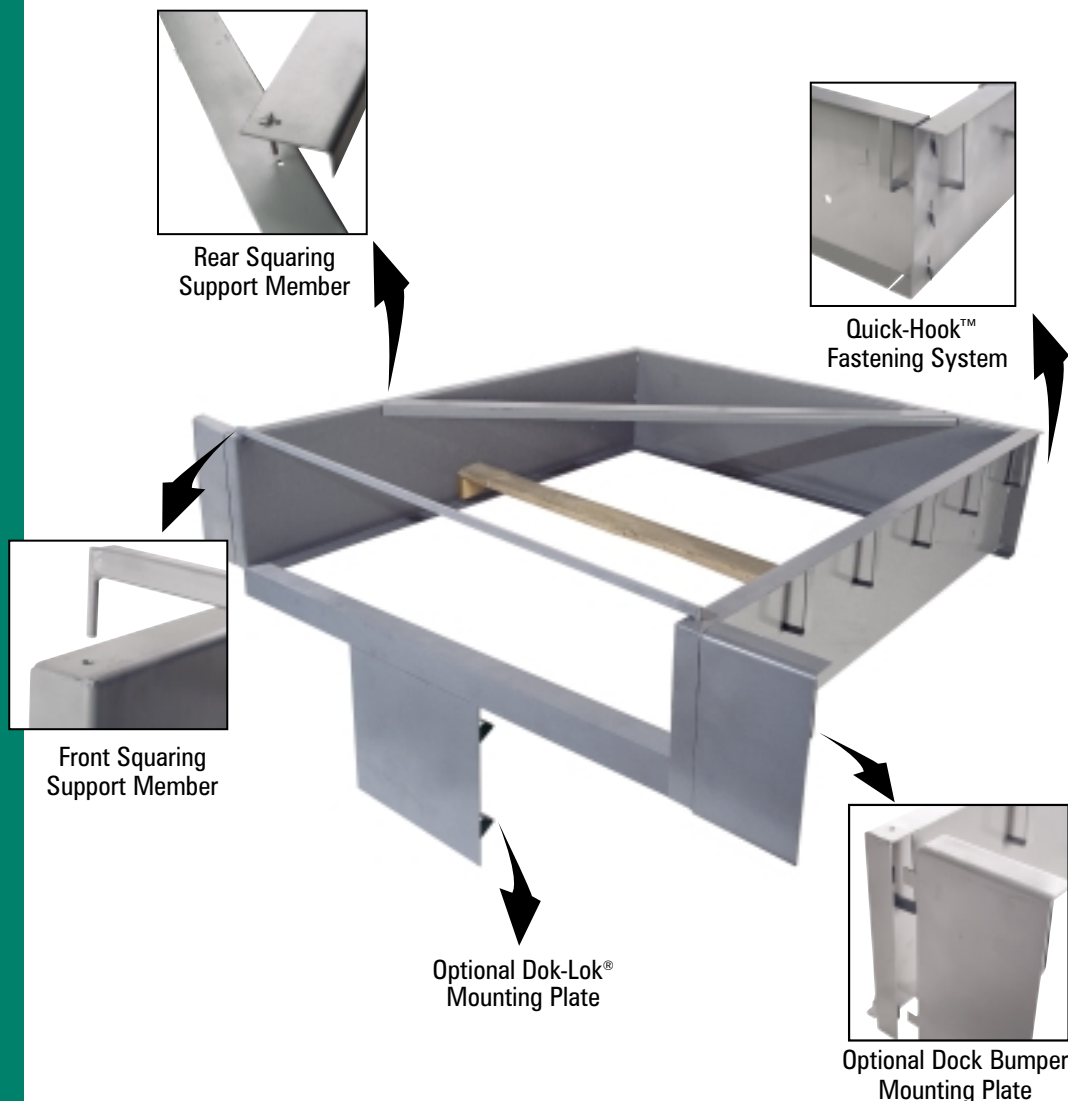
- Quickly slides and hooks together on-site without the need for additional hardware.
- No cutting of wood forms required.
- Each unit ships complete with front and rear squaring support members and center spacer support.
- Side and rear curb angles are integral to the panels.
- Two basic designs: "new construction" and "retro-fit".

SUPERIOR STRUCTURAL DESIGN

- 9-gauge steel side and rear panels.
- 1-1/2" x 9-gauge steel concrete anchors welded at 16" O.C.
- Tapered design for water run-off.
- Paint: one coat gray primer.

OPTIONS

- Dock bumper mounting plates (11" wide by 20" or 24" high).
- Dok-Lok mounting plate (23-1/2" wide by 20" high).



REDUCE DOCK LEVELER PIT FORMING COSTS

The Dok-Box Leveler Pit Forming Kit by Rite-Hite Aftermarket is an efficient system for forming dock leveler pits by doubling as a curb angle and a concrete pit form. The proprietary Dok-Box comes complete with front and rear squaring members for efficient, time saving set-up. The Quick-Hook™ Fastening System saves you time and money by sliding together to create the leveler pit that you need. Dok-Box Pit Forming Kit is backed with Rite-Hite's exclusive 1-year money back guarantee.



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(800) 456-0600

Patent Pending

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RITE-HITE™

WARDEN™ SERIES DOOR GUARDS

Keep doors and productivity on track.

No matter how safety-conscious your facility is, doors of all kinds – power roll-up doors, power sectional doors and sectional dock doors – are on a collision course with fork trucks. In the case of impact, the Warden Series prevents costly damage and preserves safety, energy efficiency and profitability.

STATIONS A GUARD AROUND VULNERABLE COMPONENTS.

The Warden Series is the only system available that provides wraparound protection. High strength steel deflects front and side impacts, while a wide footprint spreads collision forces.

HELPS MINIMIZE BACK INJURY.

When sectional door tracks are hit and jammed, workers are tempted to lift the doors manually. The strain can cause back injury. With the Warden Series guarding against damage, this threat is greatly minimized.

FITS NEW AND EXISTING DOORS.

To protect your investment in brand new doors, install Warden Series guards at the same time. Also, retrofit them to existing doors and competitive doors, and begin saving on repairs immediately. There's a Warden guard to watch over virtually every door made.



Guards against getting hit with expensive repairs.

When a 10,000 lb. fork truck damages your doors, your whole company suffers the impact – downtime, repair costs and diminished productivity. In the case of exterior doors, energy loss, rodent infiltration, reduced employee comfort and security are additional concerns. Defend yourself with the Warden Series. For about the cost of one repair, the Warden Series offers permanent protection.

RITE·HITE®

Now that you've protected your doors, maintain them.



Dok-Solidsm Planned Maintenance.

Dok-Solid Planned Maintenance, along with Warden Series guards, will really keep your power doors on a roll. That's especially important these days, with just-in-time delivery and lean workforces stretching your resources to the maximum. The understandable tendency is to postpone maintenance until problems occur. Then, of course, it becomes much more expensive, with the likelihood of downtime and lost productivity. Planned maintenance, scheduled to be least disruptive can catch problems early and preserve profitability.

Ask about a free Door Safety Survey.

Hire the nation's #1 service technician. Dok-Solid.

The technicians who proudly wear the Dok-Solid patch are the special forces of the industry. These Rite-Hite Representative Service Technicians are the best trained, best equipped experts in the nation. Their commitment to quality and service includes:

- Factory trained and certification.
- An average of seven years experience each.
- Same day emergency service.
- Service trucks stocked with a complete inventory.
- Qualified to repair competitors' equipment.
- Fully insured and bonded.
- All products backed by a full one-year warranty and customer satisfaction guarantee.

* Rite-Hite reserves the right to make product improvements without prior notice.
Powers Rawl® and Power-Bolt® are registered trademarks of Powers Fastening, Inc., New Rochelle, NY

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(800) 456-0600

More than a grease-and-lube job, a 5-point program.

1. INSTALLATION

- Mounting Anchors/Bolts



2. ACTIVATION

- Floor Loop
- Remote Control
- Pull Cord
- Photo-Eye
- Motion Detectors



3. ADJUSTMENTS

- Motor Gear Box
- Drive Chain/Adjustment
- Drive Chain Tension
- Drive Belts
- Belting Alignment/Tension
- Limit Switches
- Brake Release
- Bearings/Grease



4. ELECTRONIC CONTROLS

- Conduit Box
- Conduit
- Switches
- Relays



5. SAFETY DEVICES

- Reversing Edges
- Photo-Eyes
- Breakaway System



A12BYPTB210A

Without the Warden Series, you don't have every angle covered.

Conventional pipe bollards don't provide full protection for sectional door tracks and power door side frame assemblies. Fork tips, pallets and loads can easily slip past a bollard and cause damage. Eliminate the likelihood of continual, costly repairs and the problems associated with inoperable doors. For complete protection, your doors need the Warden Series on their side.



Loading dock sectional door tracks are especially vulnerable to frequent damage. Pipe bollards cannot completely protect against the traffic and high activity typical of the loading dock environment.

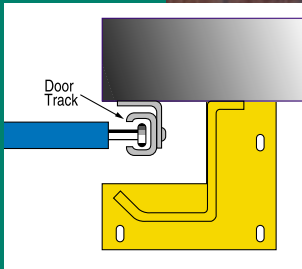


The swing-open design of conventional power door side frames dictates that bollards be placed a considerable distance from the side frame. While protected from straight-on collisions, side frames remain at risk from side impact.

LOCK UP PROTECTION

SECTIONAL DOOR GUARDS

WARDEN TR



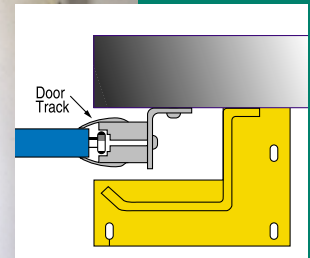
DESIGNED SPECIFICALLY FOR SECTIONAL DOORS

- Formerly known as Trak-Guard™.
- Wraps around track but does not interfere with door operation.
- Withstands the impact of a 10,000 lb. fork truck at 3-4 m.p.h.
- 45° angle flange adds strength, protects from side impact.
- 7-gauge steel construction.
- 1/4" foot plate drilled for three 1/2" Powers Rawl® Power-Bolt® anchors.
- Wall flange drilled for four 3/8" anchors.
- 7" projection from wall.
- Available 2', 3' and 4' tall sections.
- 2" optional pre-drilled steel wall blackout.

DESIGNED TO FIT RITE-HITE WORKHORSE™ SECTIONAL DOOR.

- Wraps around track but does not interfere with door operation, or Break-Thru™ Safety System.
- Withstands the impact of a 10,000 lb. fork truck at 3-4 m.p.h.
- 45° angled flange adds strength, protects from side impact.
- 7-gauge steel construction.
- 1/4" foot plate drilled for three 1/2" Powers Rawl® Power-Bolt® anchors.
- Wall Flange drilled for 3/8" anchors.
- 8" projection from wall.
- Available in 2', 3' and 4' tall sections.
- 2" optional pre-drilled steel wall blackout.

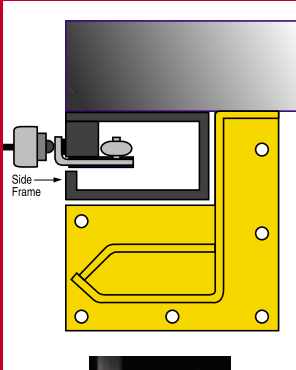
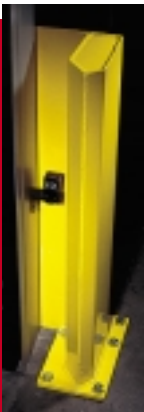
WARDEN WK



FOR EVERY DOOR WITH

POWER DOOR GUARDS

WARDEN PR



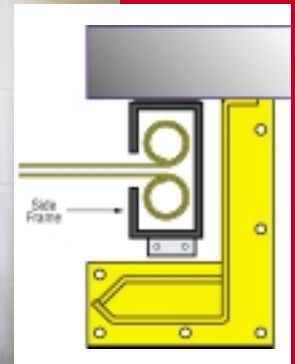
Double-wall construction forms a safety cell of protection, while providing clearance for photo-eyes.



DESIGNED TO FIT RITE-HITE PROTECDOR® POWER DOOR.

- Stationary profile provides wraparound protection.
- Withstands the impact of a 10,000 lb. fork truck at 4-5 m.p.h.
- 3" clearance for photo-eyes.
- Impact zone – 1/4" double-wall steel construction.
- 5/8" steel mounting foot plate drilled for six Powers Rawl® Power-Bolt® anchors.
- Wall flange drilled for four 1/2" anchors.
- 13.5" projection from wall.
- 40" high for maximum protection.

WARDEN ST



DESIGNED TO FIT RITE-HITE SAFE-T-SPRINT™ BI-ROLL POWER DOOR.

- Stationary profile provides wraparound protection.
- Withstands the impact of a 10,000 lb. fork truck at 4-5 m.p.h.
- 3" clearance for photo-eyes.
- Impact zone – 1/4" double-wall steel construction.
- 5/8" steel mounting foot plate drilled for six 3/4" Powers Rawl® Power-Bolt® anchors.
- Wall flange drilled for four 1/2" anchors.
- 19" projection from wall.
- 40" high for maximum protection.



THE WARDEN SERIES.

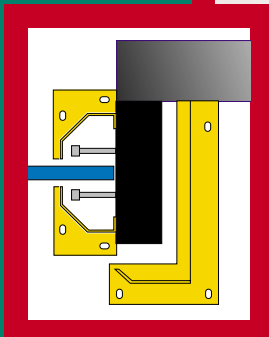
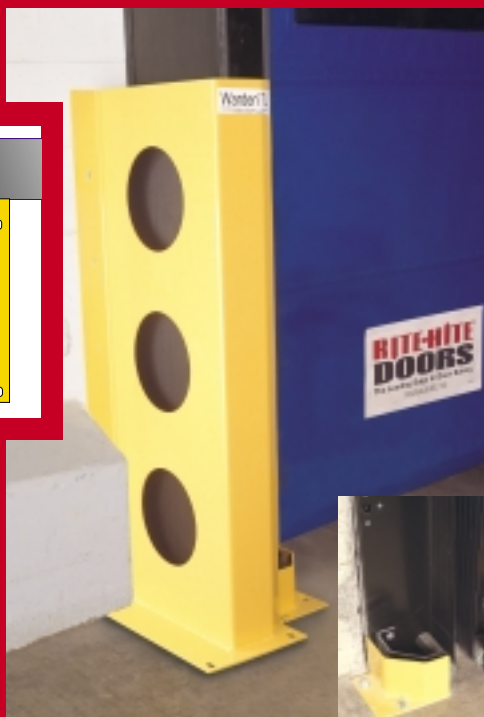
POWER DOOR GUARDS



DESIGNED TO FIT RITE-HITE PROTECTOR® XL POWER DOOR.

- 90° swing-back construction allows full access to power door side frame.
- Withstands the impact of a 10,000 lb. fork truck at 4-5 m.p.h.
- 1" heavy-duty single point lock and release pin.
- Floor-mounted lock pin socket.
- Impact zone – 1/4" steel swing-out guard, reinforced box construction.
- 5/8" steel mounting foot plate drilled for seven 3/4" Powers Rawl® Power-Bolt® anchors.
- 40" high for maximum protection.

WARDEN TL



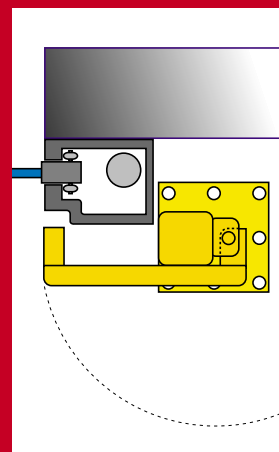
DESIGNED TO FIT RITE-HITE TRAKLINE™ ROLL AND FOLD DOOR.

- Stationary profile provides wraparound protection.
- Withstands impact to 10,000 lb. fork truck at 3-4 m.p.h.
- 7-gauge steel construction.
- 1/4" steel mounting foot plate drilled for three 1/2" Powers Rawl® Power-Bolt® anchors.
- Wall flange drilled for five 1/2" anchors.
- Side holes allow access to side frames.
- 48" high for maximum protection.

KICKER GUARD

- 1/4" steel construction drilled for two 1/2" Powers Rawl® Power-Bolt® anchors.
- Protects belt tensioner guide.
- 4 1/4" high.

WARDEN XL



The Warden XL door guard was developed to provide full access to the Protector XL side frame assembly. A simple pull of the latch pin and it's open, or back on patrol.

INDEX

AL-900
AL-976 Aluminum
Barrier Fiberglass
Barrier Fold
Barrier Glider
Barrier Vertical Lift
Beltdrive
Carwash / Hi-cycle
ComboShelter II
Coolhead-Dock Light
Coolman
Dok-Saver
Dok-Box
Dok-Dor
Dual-Dok
Eliminator Gapmaster II
Eliminator II
Fastrax
Fastrax FR
Gearhead
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Protecdor XL Power
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STR-4000
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TPP
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Trakline Fold Plus
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Warden
Wheelguide