



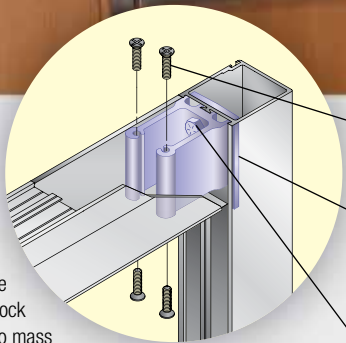
Automatic Entrance Systems





Rugged Corner Block Construction

Heavy duty rails with integral corner blocks add structural integrity to all Horton door systems. This exclusive mortise-style corner block construction is far superior to mass produced through-bolt panels.



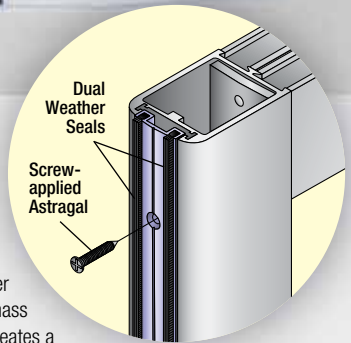
Four #10-24 bolts secure corner block to horizontal rail

Concave steel back-up plate engineered as built-in self locking device for Grade 8 bolts

Two 1/4-20 bolts secure corner block to vertical rail

Double Astragal Weather Seals Save Energy

Weather seal material is captured in aluminum extruded astragal that is screw-applied to panel rather than with adhesive as mass produced systems. This creates a positive seal that stands up to wind as well as to the highest traffic conditions.



Tougher. Greener. Horton.

Did You Know?

Horton invented America's first automatic sliding door system in 1960.

Offering tangible advantages for green design along with a solid reputation for rugged dependability, Horton door systems are the proven choice for a high performance, sustainable building.

Select from a wide range of access solutions including several innovative packages for healthcare facilities, security entrances, service windows, hurricane-rated applications and other installations that are well-known strengths of the Horton brand. All systems feature rugged corner block construction plus superior weather seals in exterior doors for environmental efficiency.

Horton's unique design platform and manufacturing approach make it easy to obtain custom touches that other door fabricators cannot match. Let us demonstrate our superior quality, service, support and custom capabilities on your next project.

Product Functions



ADA



Security



Energy Efficient



Solid Metal Carriage Frames Reduce Maintenance

Emergency breakout panels are reinforced with a heavy duty, solid metal top carriage frame. Better than competitive thin-wall extrusions, this exclusive Horton feature protects the guide wheels and withstands breakout forces that otherwise can lead to early replacement.

Solid metal carriage frame

Heavy duty ball catch and lock bolt within panel

Custom Finishes To Enhance The Aesthetics Of Your Design

Horton door systems may be specified with powder coat finishes in a wide range of custom colors including wood grain. Thermally cured for toughness, these earth-friendly PVDF coatings offer superior durability and color retention, even in the harshest environments.



Standard and Custom Solutions

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Sliding Door Systems



Horton Automatics sliding door systems are used in a wide range of commercial and industrial applications. Packages are available from 7 to 16 feet unit widths. Door configurations are offered in 2-, 3-, or 4-panel designs, single sliding or bi-parting with choice of anodized aluminum, paint or metal clad finishes. Narrow, medium, and wide stile panels as well as all-glass Elegant[®] design are also available.

Standard Features

- Exclusive high strength corner block construction
- Rugged breakaway system featuring full-width solid torsion bar assembly to provide superior support in the breakaway position
- Dual safety beams for added threshold protection
- User-selectable operating modes



Shown: Type 310 Bi-Parting installation with emergency breakout sliding panels.

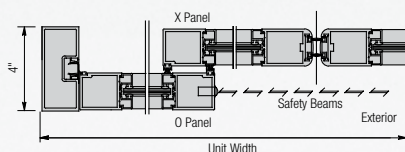
Ultimate Drive Mechanism Dependability



At the heart of these hardworking systems is a choice of three Horton Automatics sliding door operators. All are engineered with 1/4 HP motors (1/4 HP motor option for Series 2001 heavy duty operators) plus microprocessor control and digital display for visual adjustment of settings and diagnostics. An auto-seal feature ensures the doors are closed for energy savings.

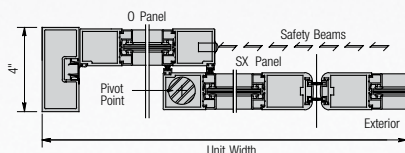
Installation Key (Door Types)

Consult factory for other options



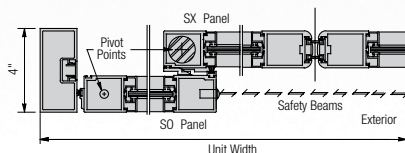
Type 010

No breakout capability.
Doors slide to interior of fixed sidelites.



Type 110 (most common specification)

Moving panels break out.
Doors slide to the exterior of fixed sidelites.



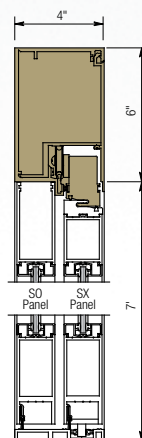
Type 310

Largest break out area for moving wide objects.
Doors slide to the interior of fixed sidelites.

Series 2000 Linear Drive Operator

Series 2000B Elite Drive Operator

- Superior aesthetics
- Panels up to 250 lbs

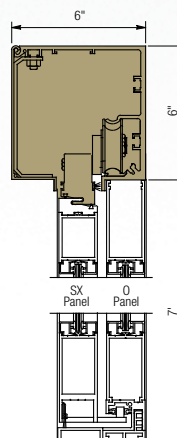


- Supplied with Profiler[®] and Profiler[®] Storm linear drive and belt drive door systems
- Slim 4" x 6" flush to jamb header
- Durable drive shaft with linear clutch action drive block

For Type 010, 110 or 310 installations

Series 2003 Belt Drive Operator

- Panels up to 250 lbs

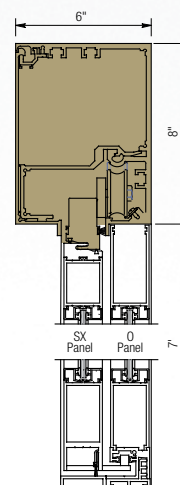


- Supplied with ProSlide[™] door systems
- Durable 6" x 6" header
- 1/2" steel reinforced neoprene belt

For Type 010, 110 or 310 installations

Series 2001 Belt Drive Operator

- Wider openings
- Heaviest panels to 300 lbs (bipart) or 500 lbs (single slide)



- Supplied with HD-Storm[™], HD-Slide[™], Elegant[™], RapidSlide[™] and Industrial
- Heavy duty 6" x 8" header
- 1" reinforced neoprene belt

For Type 010, 110 or 310 installations

Customer Review

"Horton Automatics was instrumental in meeting our client's stringent requirements for design, delivery and quality. Horton's custom solution resulted in an aesthetically superior and highly functional hospital environment."

Russ Warrington, President
Automatic Entries, Inc., Lynnwood, WA

Above Photo: Custom Sliding Door System for Patient Rooms at Southwest Washington Medical Center, Vancouver, WA



Profiler® 2000 Linear Drive System 2000B Elite Belt Drive System

The 4" x 6" header profile allows for flush mounted solutions to jambs without the need for end caps. This door system is often selected for its visual appeal, yet the real advantage is the system's dependability, with fewer parts to wear out and easy adjustments.

Drive Mechanism

Series 2000 linear drive operator
Series 2000B Elite belt drive operator

Applications

Two-Way General Traffic

- Hospitals
- Hotels/Resorts
- Retail
- Upscale Offices
- Upscale Residential



2000-IDS Automated ICU Isolation Door System

Sliding entrance to a positive/negative pressure isolation room.

- Perimeter seal
- Trackless flow design for unobstructed flow
- Automatic hands-free operation or manual operation

Featured in Frederick Hospital, MD.



ProSlide™ 2003 Belt Drive System

Ideal for high traffic applications, this heavy duty belt-drive door system is engineered to provide long life and quiet operation.

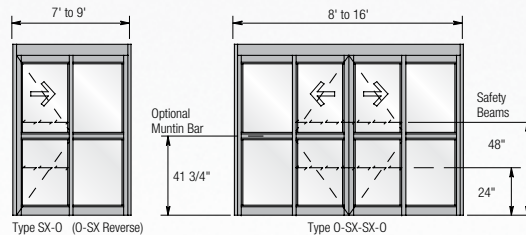
Drive Mechanism

Series 2003 belt drive

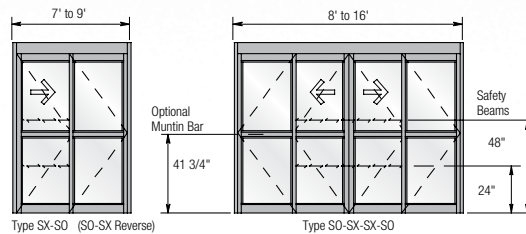
Applications

Two-Way High Traffic

- Airports
- Supermarkets
- Hospitals
- Hotels/Resorts
- Shopping Malls



Type 110



Type 310



ProSlide™ Telescoping 2003 Belt Drive System

This system is ideal for automatic sliding door access in narrow passageways, effectively increasing the opening width more than 35 percent. Available in single or bi-parting configurations.

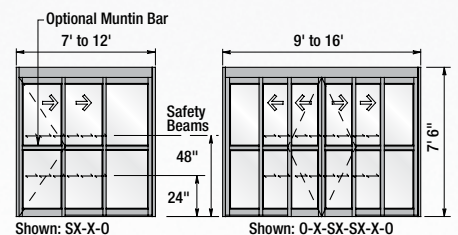
Drive Mechanism

Series 2003 belt drive

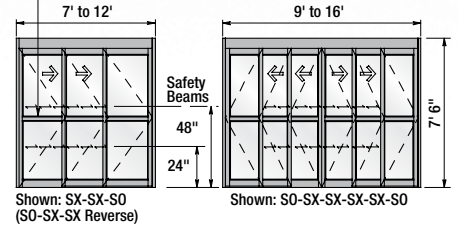
Applications

Two-Way Traffic, Maximum Opening

- Hospitals
- Hotels/Resorts
- Shopping Malls
- Office Buildings





Type 110T



Type 310T

Selection Guide

Model	Type	Unit Width	Max. Clear Opening	Type 110 Breakout Opening	Type 310 Breakout Opening
 Profiler® & ProSlide™	Single	7' to 9' (2134–2743)	3' to 4' (914–1219)	3' 3 3/4" to 4' 3 3/4" (1003–1308)	6' 3" to 8' 3" (1905–2515)
	Bipart	8' to 16' (2438–4877)	3' to 7' (914–2134)	3' 7" to 7' 7" (1092–2311)	6' 9 1/2" to 14' 9 1/2" (2070–4509)
 ProSlide™ Telescoping	Half	7' to 12' (2134–3658)	3' 7 1/2" to 6' 11 1/2" (1105–2121)	2' 1 1/4" to 3' 9 1/4" (641–1149)	6' 1" to 11' 1" (1854–3378)
	Biparting	9' to 16' (2743–4877)	4' 1 1/2" to 8' 9 1/2" (1257–2680)	2' 7 1/2" to 4' 11 1/2" (800–1511)	7' 5" to 14' 5" (2261–4394)

See page 18 for choice of activation and sensors

Sliding Door Systems Continued



HD-Storm™

Hurricane Rated Door Systems

Up to ±80 PSF, With 3-Point Locking*

Offering the largest envelope, highest PSF rating, massive steel rail reinforcement and 3-point locking, this system offers the ultimate protection against high winds and windborn debris.

Drive Mechanism

Series 2001 belt drive, 6" x 8" header

ProfilorStorm®

Up to ±55 PSF

An industry standard for Miami-Dade compliance, the ProfilorStorm® series boasts several emergency egress designs and locking options, making it ideal for any application.

Drive Mechanism

Series 2000 linear or Elite belt drive, 4" x 6" header

HD-Storm™ and ProfilorStorm®

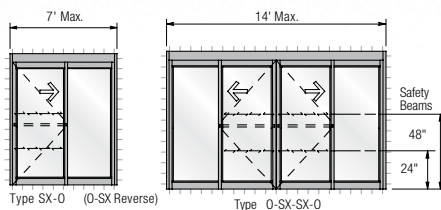
Applications

- Coastal, Inland Storm Zones
- Commercial/Health Care
- High Rise Residential
- Grocery, Other Retail
- Schools, Government

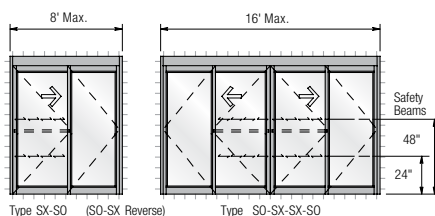
Glass Options

- Large Missile
- Small Missile
- Non-Impact

HD-Storm



ProfilorStorm



* 85 PSF for breakout (Type 310)



Elegant®

2001 Belt Drive All-Glass System

With frameless styling, the Elegant® door system showcases your building's inner beauty while offering the advantages of automatic operation and energy efficiency. Supplied with ½" tempered glass.

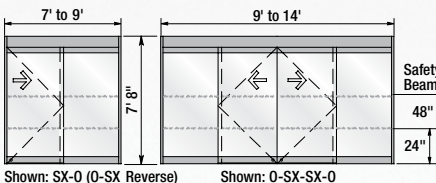
Drive Mechanism

Series 2001 belt drive

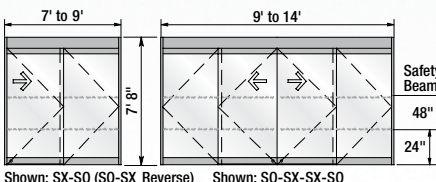
Applications

Two-Way Traffic, All-Glass Design

- Hotels/Resorts
- Office Buildings
- Medical Facilities
- Retail



Type 110



Type 310



HD-Slide™

2001 Heavy Duty Belt Drive System

Developed for use with large commercial and industrial doors up to 500 lbs., this system is engineered with a high capacity header, heavy duty power train and breakouts. An optional ¼ HP motor is available to accommodate extreme requirements.

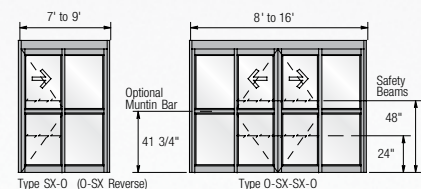
Drive Mechanism

Series 2001 belt drive

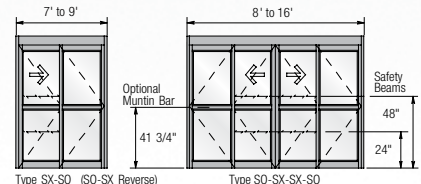
Applications

Two-Way Traffic, Large/Heavy Doors

- Hotels/Resorts
- Office Buildings
- Medical Facilities
- Bullet-Resistant Glass Available







Type 110



Type 310



Selection Guide

Model	Type	Unit Width	Max. Clear Opening	Type 110 Breakout Opening	Type 310 Breakout Opening
 HD-Storm™	Single	7' (2134)	2' 11 1/8" (898)	3' 4 1/8" (1019)	—
	Bi-part	10' to 14' (3048–4267)	3' 11 1/4" to 5' 11 1/4" (1200–1810)	4' 8 3/4" to 6' 8 3/4" (1441–2051)	—
 ProfilorStorm®	Single	7' to 8' (2134–2438)	2' 10 1/2" to 3' 4 1/2" (876–1028)	3' 3 1/4" to 3' 9 1/4" (997–1149)	6' 3" to 7' 3" (1905–2210)
	Bi-part	8' to 16' (2438–4877)	2' 9 1/2" to 6' 9 1/2" (851–2070)	3' 7" to 7' 7" (1092–2311)	6' 9 1/2" to 12' 9 1/2" (2070–4509)
 Elegant®	Single	7' to 9' (2134–2743)	3' to 4' (914–1219)	3' 1 3/4" to 4' 1 3/4" (959–1264)	6' 3" to 8' 3" (1905–2515)
	Bi-part	9' to 14' (2743–4267)	3' 6" to 6' (1067–1829)	3' 10" to 6' 4" (1168–1930)	7' 9 1/2" to 12' 9 1/2" (2375–3899)
 HD-Slide™	Single	7' to 9' (2134–2743)	3' to 4' (914–1219)	3' 3 1/2" to 4' 3 1/2" (1003–1308)	6' 3" to 8' 3" (1905–2515)
	Bi-part	8' to 16' (2438–4877)	3' to 7' (914–2134)	3' 7" to 7' 7" (1092–2311)	6' 9 1/2" to 12' 9 1/2" (2070–4509)

See page 18 for choice of activation and sensors.



Profiler®-ICU MAX*

Manual & Self Closing Sliding Doors

Designed specifically for the critical care environment of ICU/CCU rooms, these multi-function doors keep patients in full view when doors are closed. The panels swing out to provide maximum clearance for beds and equipment.

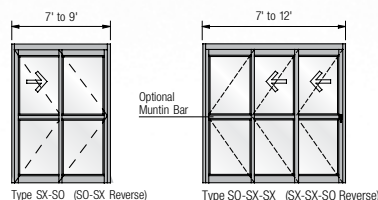
- Choice of two- or three-panel configurations
- Trackless design option for easier installation and unobstructed mobility and superior hygiene
- Available self closing mechanism
- Available with multiple privacy glass options



Multi-access design allows clear monitoring of the room and full breakaway to move patients.



Optional mini-blind glass provides light control and privacy.



Type 310
Manual &
Self Closing

Type 310T



* Patent Pending



Profiler®-ICU Smoke Rated MAX*

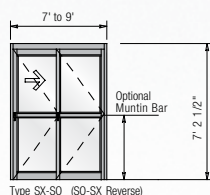
Manual & Self Closing Sliding Doors

Exceeding the air leakage requirements of NFPA 105 per UL 1784, the Profiler®-ICU smoke rated door system features:

- Concealed high-temperature gasket or brush design
- Positive latching handles
- Slide doors available in trackless configurations
- Available self closing mechanism



Modified door nosings, bottom rails and interlock seals exceed smoke infiltration requirements of NFPA105.



Type 310
Manual & Self Closing



* Patent Pending



Profiler® Smoke Rated Telescoping ICU/CCU MAX*

Manual Telescoping Doors

The first smoke-rated ICU/CCU door system offered in a telescoping design, this system extends access up to 80 inches, with standard and custom packages offered from 7 to 12 feet.

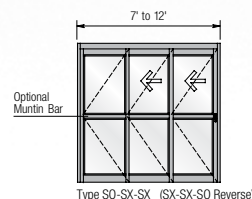
- Up to 78% greater access width than standard smoke-rated single sliding ICU doors
- Smoke rating per UL 1784 and NFPA 105 standards
- Trackless floor design for unobstructed traffic flow
- Low profile header for superior aesthetics
- Positive latching handles and interlock seals



Telescoping system provides up to 80 inches of clear opening width for beds and equipment.



Both moving panels slide open smoothly with one-hand operation and close with full interlock seals.






Type 310T

* Patent Pending



Selection Guide

Model	Type	Unit Width	Max. Clear Opening	Type 310 Breakout Opening
 Profiler®-ICU MAX	Single	7' to 9' (2134-2743)	3' 1" to 4' 0 7/8" (940-1241)	6' 1 1/4" to 11' 1 1/4" (1873-3397)
	Telescoping	7' to 12' (2134-3658)	3' 9" to 7' 1" (1143-2159)	6' 1 1/4" to 11' 1 1/4" (1873-3397)
 Profiler®-ICU Smoke Rated MAX	Single	7' to 9' (2134-2743)	3' 1" to 4' 0 7/8" (940-1241)	6' 3" to 8' 3" (1905-2515)
 Smoke Rated Telescoping ICU/CCU MAX	Single	7' to 12' (2134-3658)	3' 9" to 7' 1" (1143-2159)	6' 1 1/4" to 11' 1 1/4" (1873-3397)

Swing & Folding Door Operators & Packages



Whether for new construction or an existing building, Horton Automatics swing and folding door systems provide a full range of access solutions for low energy, handicap, or high-traffic automatic access applications.

Operator Features

Series 4000 and Series 7000 Operators

- Adjustable opening and closing speeds
- Adjustable time delay closing (2-30 seconds)
- Push-N-Go® activation
- SoftTouch® safety feature reverses a closing door
- Obstruction sensing reduces opening speed when obstructed



Custom finishes available.

Options

- Single, pair or double egress door operation
- Choice of in-swing, out-swing, left or right handed operation
- Available as surface applied operator or overhead concealed package complete with door and frame
- Header with bottom or side access

Applications

One-Way or Two-Way Traffic

- Retail
- Hospitals
- Hotels
- Office Buildings
- Industrial
- Airports
- Government
- Schools and Libraries

Customer Review

*"I just want to say thank you very much for your automatic doors!
I am in a wheelchair and your doors simplify my life incredibly."*

*Briony Chisholm
Cape Town, South Africa*

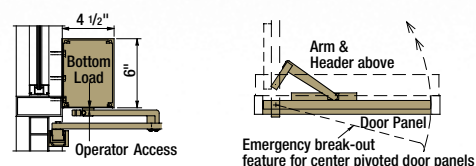
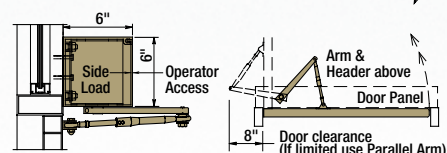
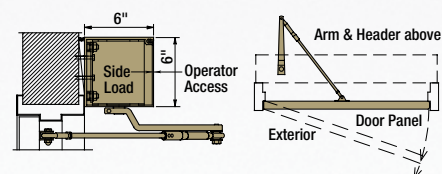


HD-Swing™

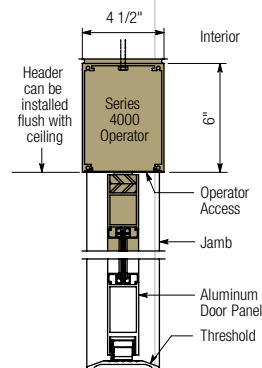
Series 4000 Heavy Duty Universal Operator

Available in our widest range of configurations, the Series 4000 operator is easily adapted in the field for a wide range of commercial uses.

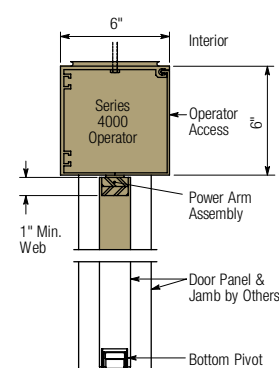
- Choice of header models for surface applied or overhead concealed installations
- Preset for left or right hand operation as ordered, easily modified if desired
- Simple adjustments for full energy (automatic) or low energy (handicap)
- Single acting spring always returns door to closed position, with adjustable speed and force.
- Combine with proper activation (see page 18)
- Bullet-resistant glass available



Surface Applied Operator Configurations



**Series 4500
Bottom Access
Direct Drive**



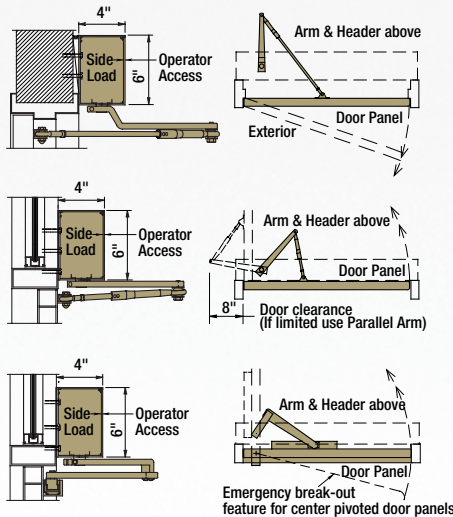
**Series 4800
Side Access
Direct Drive**



EasyAccess™ Series 7000 Low Energy Handicap Operator

The Series 7000 operator is ideal for new or converted barrier-free openings per ANSI A117.1 & A156.19 (ADA).

- Automatic opening with button or push plate activation
- Easily adjustable opening and closing speeds
- Surface applied mounting
- Push-N-Go® feature, SoftTouch® reversing and obstruction sensing
- Available in 4" x 6" or 6" x 6" side access headers



Surface Applied Operator Configurations



HD-Swing™ LE Series 4000LE Low Energy ADA Compliant, Heavy Duty Operator

Ideal for use with large, heavy doors required to meet ADA and ANSI A117.1 & A156.19 as well as high traffic hospital environments.

- Easy switching to full energy (automatic) operation
- Heavy duty ½ HP drive for taller and heavier doors
- Choice of in-swing, out-swing, left or right handed functions
- Surface applied or overhead concealed mounting in the header
- Available in 4 ½" x 6" bottom access or 6" x 6" side access header



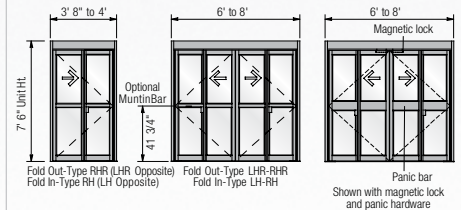
FoldingAccess™ Narrow Corridor Folding Door

Ideal for small vestibules and hospital corridors that require wide openings in a narrow corridor. Each FoldingAccess™ door package includes Vista® sensing technology (page 18) for full automatic operation. The system may also be specified for manual operation.

The folding design incorporates the built-in safety of emergency breakout and a low closing force of less than 15 lbs. Available with magnetic lock and panic hardware.

Standard Features

- Emergency breakout
- Finger guard at all hinge points
- Accommodates one-way or two-way traffic
- Also available in manual opening styles for ICU applications



Selection Guide		Maximum Clear Opening	Maximum Breakout Opening
Type	Unit Width		
Single (2 panels)	3' 8" to 4' (1118–1219)	2' 8" to 3' (813–914)	2' 11" to 3' 3" (889–991)
Pair (4 panels)	6' to 8' (1829–2438)	4' 4" to 6' 4" (1321–1930)	4' 11" to 6' 11" (1499–2108)

Other Swing Door Packages Series 0500 Manual Swing Door

Package includes overhead concealed hydraulic closer with frame and center-pivoted doors. Doors are double-acting and can be right or left hand. This package is often used in multiple door installations where a manual swing door is located next to automatic sliding or revolving doors.

Swing & Folding Door Operators & Packages



ICU/CCU Bi-Fold/Bi-Swing™ Multi-Access Combination System

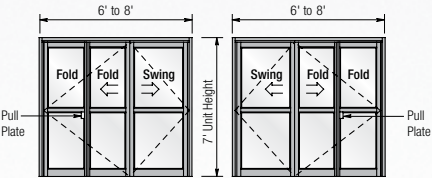
Versatile access of a swing door for normal two-way traffic and an adjacent bi-fold door dramatically increases the opening up to six feet eight inches when moving patients or medical equipment.



Bi-Fold Door creates additional clearance for patient and equipment moves.



Bi-Swing Door opens conveniently in both directions for normal traffic.



Selection Guide		Maximum	Maximum
Type	Unit Width	Clear Opening	Breakout Opening
Swing/ Folding	6'- 8' (1829 -2438)	4' 8"- 6' 8" (1422 -2032)	4' 11"- 6' 11" (1499 -2108)



SmokeSwing Doors

Horton Automatics offers manual swing doors in equal, unequal, and pair configurations. Available in rough opening sizes ranging from 39½" to 99½" with up to 91" of clear opening area, these systems can also be painted to enhance your design. These systems can come with mini-blind glass and/or fire-rated panel options.

Standard Features

- Positive latching handles for added safety and superior smoke seal
- Concealed high temperature weather strip and gasket design

Available in single, equal pair and unequal pair door widths up to 48" per leaf.



Other Specialty Operators Series 4700 Super Duty Swing Door Operator

The opening and closing force provided by this surface applied operator is adjustable and delivers substantial torque at the output shaft. With its ¼ HP motor, the Series 4700 can operate extremely heavy doors such as lead-lined doors used in hospital X-ray rooms.



ICU/CCU STC-35 Swing™ Door System Smoke-Rated Manual Door

The Acoustic STC-35 ICU Swing™ Door from Horton Automatics is the first door designed to meet the stringent demands of hospital applications, and is intended primarily for interior use in the ICU and CCU. The STC-35 manual swing door features wide glass panels for unobstructed viewing of patients and an improved handle design.

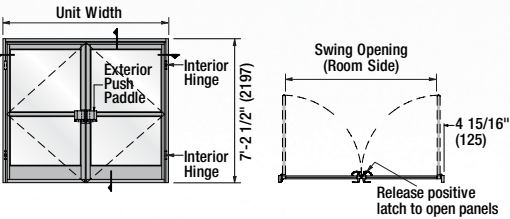
Available in single, equal pair and unequal pair.



Mortise-style cam lift hinge lifts the door as it is opened to keep the bottom seal from dragging on the floor.



Improved handle design (ADA compliant) with easy-to-operate handle.



Selection Guide		Swing	Rough Opening
Type	Unit Width	Opening	Width
Single	3'4"-4'4"	2'8"-3'8"	3'4"-4'4"
Pair	(1016-1321)	(914-1219)	(822-1127)
Equal	6'3"-8'3"	5'5"-7'5"	6'4"-8'4"
Pair	(1918-2527)	(914-1219)	(1667-2276)
Unequal	5'3"-6'3"	4'5"-5'5"	5'4"-6'4"
Pair	(1613-1918)	(914-1219)	(1362-1667)

Automatic Revolving Doors



Horton Automatics revolving door systems offer impressive architectural appeal, energy efficiency and effective high traffic management.

Five major design series are offered in a wide selection of finishes, diameters, door wing configurations, glazing options, sensors and security systems.

Standard Features

- Constant seal helps control heating/cooling costs, eliminating dust, drafts and noise
- Segmented® or round drum design
- Magnetic breakaway door wings for emergency egress
- Bump-To-Idle™ for added safety
- Easily adjustable manual or automatic rotation
- One-way, two-way or card access security
- Easy manual operation during power outages
- Most models are easily customized with all glass and stainless steel materials plus special roof panel designs and extended canopies
- Compliance with ANSI 156.27 revolving door standard

Applications

High Traffic, Energy Efficiency, Security

- Airports
- Hospitals
- Hotels
- Schools
- Restaurants
- Manufacturing Facilities
- Financial/Government
- Shopping Malls and Retail
- Upscale Condominiums
- Call Centers
- Traffic Management



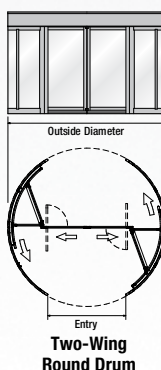
Grand®

9600 Series Large Diameter 2-Wing

The Grand® 9600 Series 2-Wing is available in systems up to 16 feet handling heavy pedestrian traffic up to 80 people per minute. The Grand® 9600 Series is ideal for healthcare, corporate headquarters, airports and retail applications.

Standard Features

- Round drum design
- Integrated sliding or swing door configuration
- Program selector to change rotation speeds to accommodate facility users as weather dictates
- 3-in-1 design that includes a revolving door, a sliding door and a balanced door



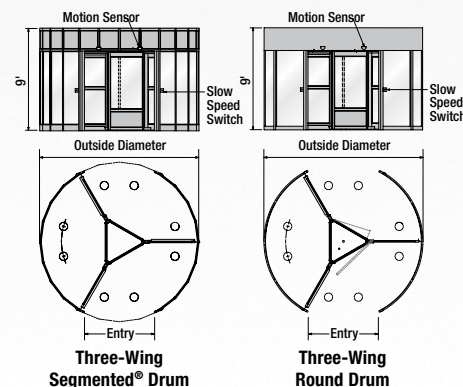
Grand®

9600 Series Large Diameter Vestibule System



Spacious compartments provide an elegant, energy-efficient entrance up to 16 feet in diameter to manage high volume traffic needs including shopping carts, bicycles, wheelchairs, walkers and even hospital stretchers.

Standard Features

- Segmented® or round drum design
- Panels fold against the core for emergency egress
- Smooth, continuous rotation
- VistaScan™ electronic sensing system slows or stops the door when objects are within 8" to 12" of the wings
- Customizable voice enunciator
- Bullet-resistant glass available, segmented drum only
- One-way security available



Selection Guide

Model	Type	Outside Diameter	Segmented® Drum Throat Opening	Round Drum Throat Opening
 Grand® 2W	Two-Wing	12' 1 ¹ / ₆ " to 16' 7 ¹ / ₆ " (3688-4898)	—	5' 10 ¹ / ₂ " to 7' 10 ¹ / ₂ " (1800-2400)
 Grand®	Three-Wing	12' to 16' (3658-4877)	5' 3 ³ / ₄ " to 7' 3 ³ / ₄ " (1619-2229)	5' 1 ¹ / ₂ " to 7' 1 ¹ / ₂ " (1565-2175)

Did You Know?

Horton Grand Revolving Doors are featured at New York's LaGuardia airport. 16' 3-wing units add drama to the airport architecture while providing the ability to move large volumes of traffic.

Manual Revolving Doors



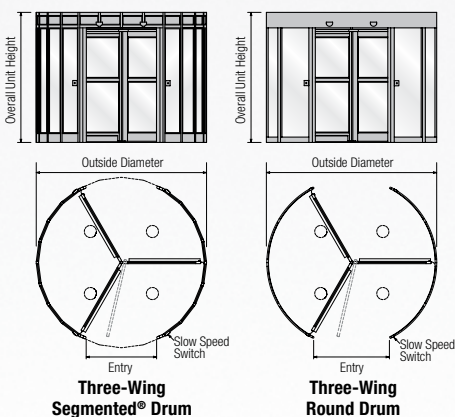
MiniGrand®

9300MG Series Automatic Entrance System

The MiniGrand® offers the drum construction of a Grand® and the center shaft and door wing construction of an AutoFlow™.

Standard Features

- Segmented® or round drum design
- Smooth continuous rotation
- Auto rotation with VistaScan™
- Bullet-resistant glass available, segmented drum only



Selection Guide

Outside Diameter	Segmented® Drum Entry - Three-Wing	Round Drum Entry - Three-Wing
11' (3353)	4' 9 3/4" (1467)	4' 7 7/8" (1413)
12' (3658)	5' 3 3/4" (1619)	5' 1 5/8" (1565)

Did You Know?

Three-wing revolving doors with polished brass finished are featured at the Paris Hotel in Las Vegas. These custom made doors were designed to match the European style of the construction and handle hundreds of thousands of visitors every year.



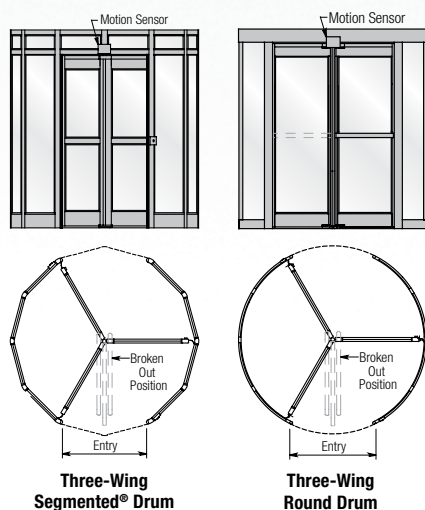
AutoFlow™

9300 Series Automatic Entrance System

With this hands-free entrance system, motion detectors at each opening start door rotation on user approach. A reduced speed feature slows the rotation for wheelchairs, strollers and other slower traffic. The unit is microprocessor controlled with wireless remote speed adjustment, self-diagnostic display for service and voice messages including four field-programmable voice prompts.

Standard Features

- Segmented® or round drum design
- Standard 10' diameter
- Curved tempered or laminated wall glass
- Three-wing with medium stiles
- Virtually unlimited custom features: finishes, special diameters and heights, ceiling lights, all-glass ceiling, VistaScan™ and FootGuard™ safety features, AutoLock™ automatic after-hours locking, EntryGuard™ late entry protection and more
- Bullet-resistant glass available, segmented drum only



Selection Guide

Outside Diameter	Segmented® Drum Entry - Three-Wing	Round Drum Entry - Three-Wing
10' (3048)	4' 4 1/4" (1340)	4' 7 7/8" (1407)



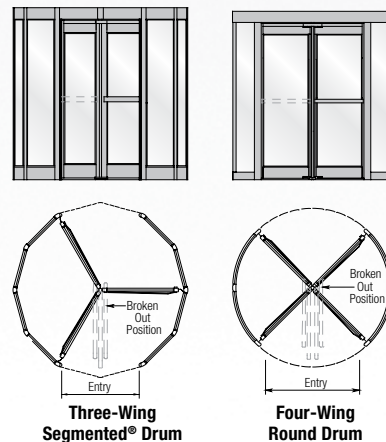
EasyFlow™

9500 Series Manual Door System

An outstanding choice for energy efficiency along with architectural appeal, the EasyFlow™ series is offered in a variety of configurations to suit any installation requirement. Each system includes Horton's proven mechanical speed control and book-fold hardware for emergency egress.

Standard Features

- Segmented® or round drum design
- Four standard diameters 6' to 8'
- Curved tempered or laminated wall glass
- Push bars or muntins
- Choice of finishes
- Broad range of specifier options including all glass Elegant® models, special diameters and heights, lighted and all-glass ceilings, electronic speed control and other custom touches



Selection Guide – Segmented® Drum

Outside Diameter	Entry - Three-Wing	Entry - Four-Wing
6' (1829)	—	4' 2 3/8" (1280)
6' 6" (1981)	3' 1/8" (918)	4' 6 3/4" (1391)
7' (2134)	3' 3" (991)	4' 11 1/8" (1502)
8' (2438)	3' 9" (1143)	5' 7 7/8" (1724)

Selection Guide – Round Drum

Outside Diameter	Entry - Three-Wing	Entry - Four-Wing
6' (1829)	—	4' 3/4" (1238)
6' 6" (1981)	3' 1/8" (918)	4' 5" (1346)
7' (2134)	3' 3 3/8" (994)	4' 9 1/4" (1454)
8' (2438)	3' 9 1/8" (1146)	5' 5 3/4" (1670)

Security Revolving Doors

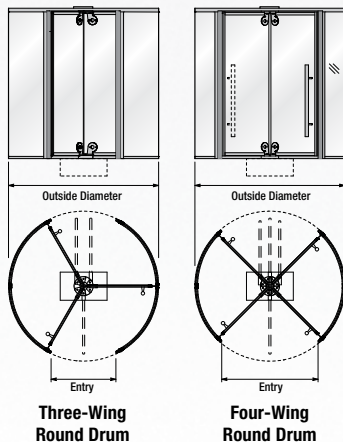


ClearFlow™ Manual* All-Glass Revolving Door System

Designed for accentuating high volume traffic applications. Built with a center point design, the ClearFlow™ is ideal for accentuating the inner beauty of a building and is a good alternative to an automatic all-glass system.

Standard Features

- Round Design
- Available in three or four-wing configurations
- All glass
- Speed control is in ground

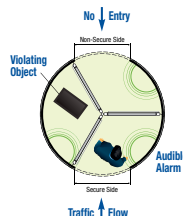


* Consult your local authority's housing jurisdiction before specifying an all-glass system.

Sensors for Revolving Doors

Activation components for revolving doors are available for directional security and entry protection. Horton ControlFlow™, AutoFlow™ and Grand® revolving systems include the appropriate devices for each application.

Most revolving door sensing packages include motion detection on both sides for door activation. Additional sensing may include a top-of-wing mounted VistaScan™ sensor to slow or stop door rotation if someone is near the wing, a FootGuard™ contact switch and Entryguard™ infrared sensing of interior/exterior entrance zones and other detection electronics.



ControlFlow™ 9200 Series Automatic Security Door System

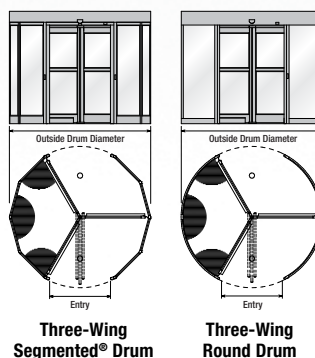
Available in a choice of One-Way, One-Way Airport and Two-Way Card Access security packages, this system has selectable security levels. Add optional Level III bullet resistant glazing and Visdom HS® advanced 3D anti-piggybacking/anti-tailgating prevention sensors (page 14) for ultimate protection in banks/financial, government and other high security installations.

Standard Features

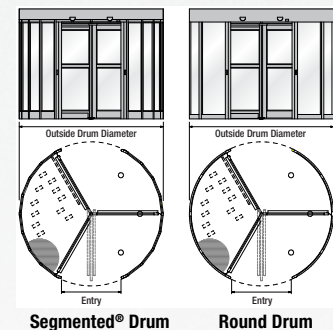
- Segmented® or round drum design
- Overhead sensors in place of mats
- Wireless remote setup with 16 modes of operation and other programming options
- Field programmable voice messages
- Magnetic breakaway for emergency egress
- Choice of anodized aluminum, paint or metal clad finishes
- Special sizes, extended canopy and other options available
- Bullet-resistant options, segmented drum only



ControlFlow™ One-Way Security Series 9100

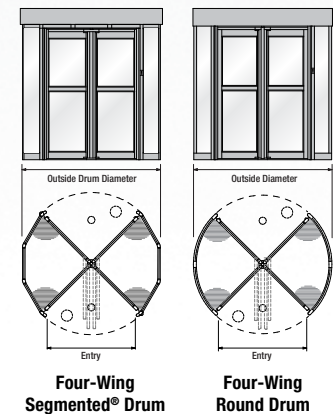


ControlFlow™ One-Way Security Series 9100AP



ControlFlow™ Two-Way Card Access Security Series 9200

With Anti-Tailgate and Anti-Piggyback Security



Selection Guide

Model	Type	Outside Diameter	Segmented® Drum Entry	Round Drum Entry
ControlFlow™ One-Way	Three-Wing	8' 3½" to 10' 3½" (2527–3137)	3' 4¾" to 4' 4¾" (1026–1330)	3' 6¾" to 4' 6¾" (1089–1394)
ControlFlow™ One-Way Airport	Three-Wing	12' (3658)	5' 3¾" (1619)	5' 1½" (1565)
ControlFlow™ Two-Way Anti-Tailgating	Four-Wing	6' 3½" to 7' 3½" (1918–2223)	3' 10" to 4' 6¾" (1168–1391)	3' 10⅝" to 4' 7⅝" (1191–1406)
ControlFlow™ Two-Way Anti-Tailgating/Anti-Piggyback	Four-Wing	6' 3½" to 7' 3½" (1918–2223)	3' 10" to 4' 6¾" (1168–1391)	3' 10⅝" to 4' 7⅝" (1191–1406)

Security Revolving Doors



Visdom ELITE®

Two-Way Matless, Anti-Piggyback / Anti-Tailgate Security System

The Visdom Elite detects unauthorized entry violations such as Piggybacking and Tailgating. The system goes beyond existing vision based, weight based, infrared and ultrasonic systems, actually discerning the difference between true violations and everyday authorized personnel – such as a person with a parcel or heavy clothing which other systems often detect inaccurately.

Standard Features

- Dual Sensors
- Real Time Clock (RTC) capable of marking individual events
- Easily retrofits onto existing Horton security revolving doors
- Highly immune to shadows, reflections and environmental changes
- Versatile X or + configuration
- Continuous flow from both directions simultaneously
- Bullet-resistant glass available, segmented drum only



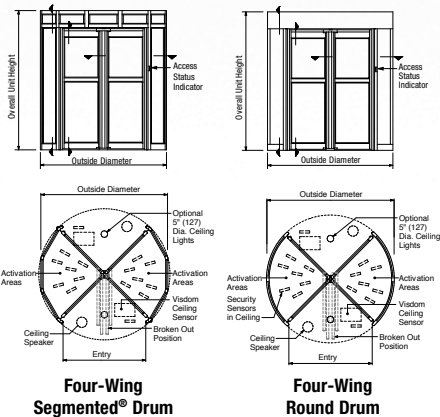
Flexible Security Levels



The Visdom Elite can be tailored to meet the level of security you require with several modes of operation such as card in-card out, card in-free exit and can communicate with card reader systems utilizing an anti-pass back feature. The Visdom Elite sensor interacts with Horton Automatics ControlFlow security revolving door control to keep would-be violators out of the restricted area, yet provide ease of access to valid users.

Easy To Install

Visdom Elite installs easily on new or existing door systems and does not require special mounting. The system is a compact, self-contained “People Counter” that includes all hardware in a single box. It mounts into the canopy of revolving doors at standard ceiling heights.

With Anti-Tailgate and Anti-Piggyback Security



Selection Guide			
Model	Type	Outside Diameter	Throat Opening
 Visdom ELITE® Round Canopy Segmented Drum	Four-Wing	6' 3 1/2" (1918)	3' 10" (1168)
 Visdom ELITE® Round Canopy Round Drum	Four-Wing	6' 9 1/2" (2070)	4' 3 1/2" (1296)



Round Canopy Segmented Drum



Segmented Canopy Segmented Drum



Round Canopy Round Drum

Industrial Sliding Door Systems



With up to 12 feet stroke and 500 lbs. of weight capacity, these door systems are engineered for general industrial applications as well as sterile environments. Available in complete packages with steel, aluminum, fiberglass or stainless steel doors plus tracks, operator and activation devices to suit your requirements.

Typical packages include:

- Floor mounted guides
- Photoelectric beams placed parallel to the door opening
- Fast-acting HD-Slide™ operators for industrial installations
- Linear drive operators for washdown applications

Consult factory for explosion-proof systems or for assistance with special applications.

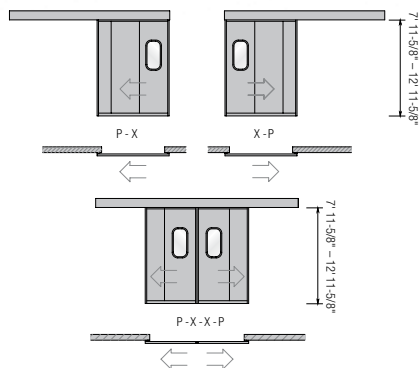
Applications

Two-Way Traffic, Industrial

- Warehouses
- Pharmaceutical/Biotechnology
- Cleanrooms
- Food Processing
- Chemical Processing
- Other Industrial

RapidSlide™ Lightweight Steel Door System

Thermacore® insulated steel door assembly has 24" (610 mm) modular sections constructed of metal/foam/metal sandwich for maximum energy efficiency.

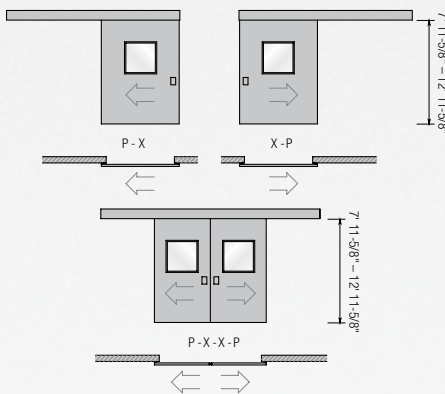


Selection Guide		
Type	Overall Unit Width	Maximum Slide Opening
Single Slide	13' 3 1/2" to 25' 3 1/2" (4051-7709)	6' to 12' (1829-3658)
Bi-Parting Slide	13' 5 1/2" to 25' 5 1/2" (4102-7760)	6' to 12' (1829-3658)

HD-Slide™ Industrial With Hollow Metal Panel

Heavy Duty Industrial Door System

Utilizes 18 or 20 gauge galvanized steel skin doors with Kraft honeycomb core. Interior framing channels are 14 gauge steel. Panels have a flush appearance with no exposed fasteners.



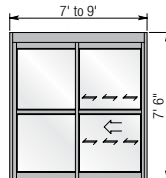
Selection Guide		
Type	Overall Unit Width	Maximum Slide Opening
Single Slide	6' 8 1/2" to 20' 8 1/2" (2134-6312)	5' to 10' (1524-3048)
Bi-Parting Slide	13' 5 1/2" to 25' 5 1/2" (4102-7760)	5' to 12' (1524-3658)



UltraClean™ Atmospheric I (ISO 3)

Atmospheric Sliding Doors

Designed to meet ISO 14644-1 Class 3 cleanroom applications, these door packages feature positive seal, vinyl weatherstrip and touchless wall-mounted scanner activation. Electrical interlocks for sequential operating of up to 10 doors and pneumatic, explosion-proof operator packages are also available.



Selection Guide		
Type	Overall Unit Width	Maximum Slide Opening
Single Slide	7' to 9' (2134-2743)	3' to 4' (914-1219)

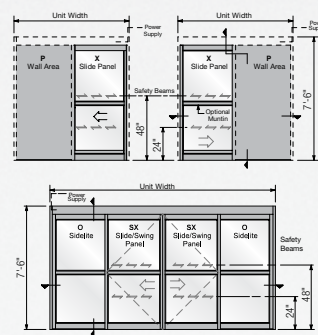
Did You Know?

Horton Industrial systems are available in pneumatic and explosion-proof configurations.

UltraClean™ Atmospheric II (ISO 5)

Atmospheric Sliding Doors

Designed to meet ISO 14644 Class 5 Cleanroom applications, these doors are suitable for cleanroom air showers, sterile environments, pharmaceutical or healthcare labs, and manufacturing processing. Available in single slide and bi-parting configurations, surface-applied or mounted within wall openings.



Selection Guide		
Type	Overall Unit Width	Maximum Slide Opening
Single Slide	7' to 9' (2134-2743)	3' to 4' (914-1219)
Bi-Parting Slide	8' to 16' (2438-4877)	3' to 7' (914-2134)

UltraClean™ Sterile

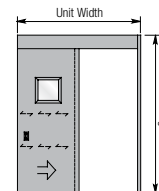
Food Preparation Sliding Door Solutions

This stainless sliding door system is ideal for very low particulate applications such as food preparation facilities and is able to withstand frequent washdowns. Available in single or bi-parting configurations, surface applied or mounted within wall opening. Heavy-duty belt drive operator and touchless wall-mounted scanner activation come standard.

Lead-Lined

X-Ray Room Sliding Door Solutions

Horton lead-lined automatic slide doors for radiation and X-ray shielding applications are custom manufactured to meet federal safety regulations. These surface-mounted aluminum doors with a structural core of resin are available with a Vision Lite leaded glass option. Autolock fail-safe functionality and a battery backup if power fails comes standard.



Selection Guide		
Type	Overall Unit Width	Maximum Slide Opening
Single Slide	7' 1 1/2" to 13' 1 1/2" (2171-4001)	3' to 4' (914-1219)

Platform Screen Doors



Designed for public and private transit complexes, this equipment is installed as an integral part of Automated People Mover (APM) systems. Horton Automatics has been developing these custom systems for more than 35 years with installations in major transportation hubs throughout the world.

All systems enhance communication between components that govern operating functions. The systems are designed for long life, high reliability and maximum safety per ASC APM Standards. For information about a custom engineered transit system, contact Horton Automatics.

The barrier wall design option includes all the supporting structure for the platform doors which results in shorter installation time and fewer trades to coordinate.

Applications

- Airports
- Resort Hotels
- Public Transit
- Theme Parks
- Transit Vehicles
- Subways

Design Options

- Station Platform Screen Doors (PSD)
- Transit System Sliding Doors
- Automatic Train Control (ATC) Monitoring
- Transit Vehicle Door Operators
- Emergency Egress Door (EED)
- Control Panels
- Full Barrier Wall

Customer Review

"Bombardier has selectively chosen Horton Automatics to support its APM projects based upon their proven ability to meet stringent technical, quality and schedule requirements with focus to maintain a better established budget."

Bombardier Transportation

Did You Know?

Horton transit door systems are in more than 45 major airports worldwide including Frankfurt, Kuala Lumpur, Singapore, Rome, Beijing, Heathrow, Seoul, Madrid, Toronto, DFW, Houston and Las Vegas.



Toronto Airport

Selected Worldwide Installations

- Hartsfield-Jackson International Airport, Atlanta, Georgia
- Heathrow Airport, London, United Kingdom
- Frankfurt am Main Airport, Frankfurt, Germany
- Dulles International Airport, Washington DC
- Kuala Lumpur International Airport, Sepang, West Malaysia
- Toronto Pearson International Airport, Toronto, Canada
- Beijing Capital International Airport, Beijing, China
- Benito Juárez International Airport, Mexico City, Mexico
- Incheon International Airport, Seoul, South Korea
- Dallas/Fort Worth International Airport, Dallas, Texas
- Las Vegas Monorail, Las Vegas, Nevada
- Guadalajara BRT, Guadalajara, Jalisco, Mexico
- Transmilenio BRT, Bogotá, Colombia
- Metrovia BRT, Guayaquil, Ecuador



Secure Exit Lanes

Security Exit Systems

The Secure Exit Lane provides one-way pedestrian traffic flow between the secure and non-secure zone of an airport or other high-security environment. Directional motion detection technology reduces the threat of unauthorized access to a secure environment by sensing and monitoring traffic flow direction.

The Secure Exit Lane uses an array of sensors to detect unauthorized entry and foreign objects. The unmanned system can minimize the need for physical personnel by providing remote monitoring capability. Unauthorized entry and static object detection are only two of the many potential threats capable of triggering a security alert at the Secure Exit Lane.

The system's sleek design integrates nicely into areas with restricted space, making it a versatile solution for airports of all sizes. In larger facilities, Secure Exit Lanes can be lined up side by side to increase pedestrian throughput in areas of heavy traffic.

Consult factory for dimensions and ordering details.

Standard Features

- User interface
- Remote monitoring
- Customizable
- One-way security
- High-volume throughput
- Sleek style
- Audible commands
- Bullet-resistant glass option



The lane's object detection technology (in-floor and overhead) senses undesirable objects and prevents reentry, shutting the door down and sounding an alarm.



The Secure Exit Lane is large enough to accommodate passengers with disabilities.



Drive-Thru Service Windows

Automatic • Manual

Horton service windows are a standard specification for leading restaurant chains, pharmacies and other companies that have discovered how drive-thru service can enhance their business. These custom systems utilize proven Horton automation and construction details including aluminum header and corner-block construction.

Units can be customized with transaction drawers, up to 1" insulated glass, bullet resistant glass, a variety of counter tops such as stainless steel and other specifier options. The windows open and close automatically when activated by Horton's HipScan™ or WinScan™ actuator and can also be opened manually if there is a power outage. An optional automatic lock secures the window each time it closes.

Standard Features

- Auto-close and reverse-on-contact functions
- Maximum security lock
- Fully assembled and glazed for easy installation
- Several optional finishes (anodized aluminum, paint, metal clad)
- Bullet-resistant glass option

Applications

- Pharmacies
- Restaurants
- Banks/Financial
- Dry Cleaners
- Labs/Supply Rooms
- Reception Areas
- Other Secure Areas



Selection Guide		
Window/Unit Type	Size	Maximum Slide Opening
2 Panel O-X or X-O	45 1/2" to 50" (1156 to 1270)	16" to 20 1/2" (406 to 521)
<i>With 1" insulated glass or 1/4" prep without glass. Also available with recessed pull</i>		
2 Panel – Security O-X/O-X or X-O/X-O	50 1/4" (1276)	20 1/2" (521)
<i>With synchronized interlocking slide panels</i>		
4 Panel O-X-X-O	53 1/2" (1359)	21" (533)
<i>With thin stile panels, 1/4" tempered glass Also available with 1/4" glass canopy, stainless steel counter and metal apron</i>		

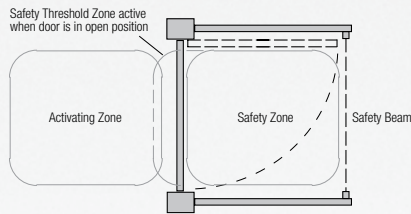
Activation, Safety & Accessories

Sensors for Swinging Doors, Folding Doors

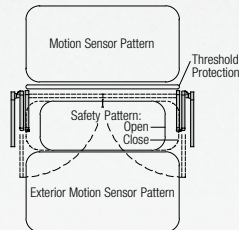
Horton Vista™ sensor packages include systems with varying degrees of presence detection. Basic systems incorporate a microwave or active infrared sensor on the approach side with presence sensors and infrared Sentinel™ photo beam on the swing side. Enhanced Vista™ systems add door mounted presence sensors to each side of the swinging door panel. Guide rails are normally specified on the swing side (or fold side of folding doors) per ANSI A156.10. Two rails are required if a wall or barrier is not present.

Vista™ Sensor System

Part No	Description	Type
C1884 or C1234	Choice of Microwave Motion Sensor <i>OR</i> Active Infrared Motion/Presence Sensor	Activation
C1829	Active Infrared Sensor	Safety
C7783	Photo Beam (Wall or Guide Rail Mounted)	Safety
C1878-2	Door Mounted Presence Sensor (Each Side of Door)	Safety



Swinging Doors



Bifolding Doors

Low Energy Activation and Safety Options

Part No	Description	Type
C1829	Infrared Presence Detection	Optional Safety
C7783	Safety Beam Set	Optional Safety
C1260-5*	4 1/2" x 4 1/2" Stainless Steel Switch	Optional Activation
C1260-5RC*	4 1/2" x 4 1/2" Wireless Stainless Steel Switch	Optional Activation

* Both with international handicap logo

Touchless Sensors

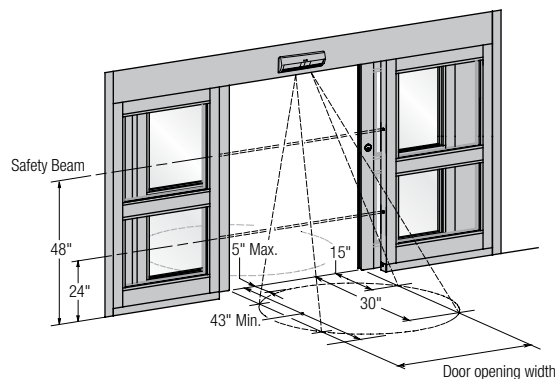
Part No	Description	Type
C8140	1 5/8" x 4" Infrared Brushed Stainless Steel	Touchless Sensor
C8147	2 3/4" x 4 1/2" Microwave Black Polycarbonate	Optional Activation

Sensors for Sliding Doors

All dual systems utilize infrared reflective or microwave sensing on both sides for two-way traffic activation. In addition, Horton includes photo beam sensors mounted in the sidelite or frame at 24" and 48" from the floor to prevent closure when an obstacle or pedestrian is in the opening.

Part No	Description	Type
C1827**	Microwave Motion/Active Infrared Presence	Optional - Activation/Safety
C1238**	Active Infrared Motion/Presence	Optional - Activation/Safety
C7775	Dual Transmitter/Receiver Photo Beams	Redundant Safety

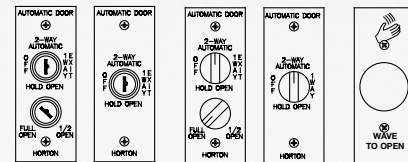
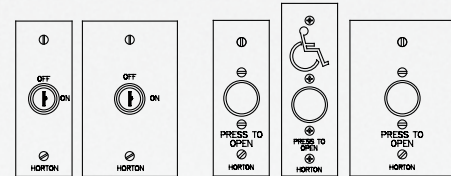
** A standard sliding door system features a pair of either of these sensors



Activating Switches

Horton specialists will help you specify the correct switch for your requirements, including:

- Round or square metal push plates
- Push-button
- Keyless digital-code entry
- Key switch
- Electric mat
- Touchless photoelectric wall switch
- Explosion-proof solid state switch
- Touchless sensors



Did You Know?

Horton Automatics is the only manufacturer that offers dual photobeam and presence sensing technology to protect pedestrians at the threshold.

Setting The Standards For Professional Installation And Service



Horton Automatics brings you the professional support of factory-authorized distributors. Whether your application involves a single automatic operator or a complete facility access and security plan, you can expect all phases of the project to be handled professionally.

All Horton systems are built to exceed applicable quality and safety standards including:

- ANSI standards for pedestrian doors
- 1990 ADA requirements for barrier-free entrances
- Tested to UL 1784 to meet National Fire Protection Association (NFPA) regulations
- National building codes related to emergency exit
- American Testing Laboratory ratings for wind load and forced entry
- CSA, IBC, Miami-Dade, BOCA, and other regional requirements
- Listed by Intertek (ETL) for compliance to UL 325 Electrical Door, Drapery, Gate, Louver, and Window Operators and Systems

Call your Horton Automatics distributor today for design, specification and application assistance. Visit www.hortondoors.com to find the nearest distributor in your area.

Specify Horton and demand AAADM certified installation.

AAADM *American Association of
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Horton Automatics is a division of Overhead Door Corporation, an innovative industry leader with many firsts in upward-acting doors and electric openers for residential as well as commercial applications.

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