

Turnstile Buyers Guide



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SecureTurn Full Height Turnstiles



Compare Models



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SecureTurn Full Height (open-sided)

	
HT431, HT439, HT448	HT430T Tandem
Entry-Level Value	Entry-Level Value
Galvanized, Powder Coat, Stainless	Galvanized, Powder Coat, Stainless
Standard, Wide, Extra Wide	Standard
62", 84", 108"	96"
option	option
option	option
option	option
option	option
option	option
option	option
option	option
option	option
concrete	concrete




- MODEL**
- Price Range**
- Finish**
- Passage Width**
- Overall Width**
- Electronic Entry/Exit Control**
- Card Reader Mounting Plates**
- Electronic Counter**
- Key Override**
- Status Indicator Lights**
- Matching ADA Gate**
- Padded Arm Covers**
- Mounting Surface (level)**

Full Height Matching Gates (ADA 36" width)

	
HT336-Framed	HT336-Mesh
Entry-Level Value	Mid-Range Value
Galvanized, Powder Coat, Stainless	Galvanized, Powder Coat, Stainless
43"	43"
no	yes
included	included
included	included
option	option
option	option
concrete or earth	concrete or earth

- MODEL**
- Price Range**
- Finish**
- Overall Width**
- Full Panic Bar with Mesh**
- Manual Key**
- Electronic Entry/Exit Control**
- Electronic Push Button**
- Card Reader Mounting Plates**
- Mounting Surface (level)**

SecureTurn Full Height (closed-sided)

		
HT80	HT60	HT70
Premium Value	Premium Value	Super Premium Value
Aluminum	Stainless	Stainless
Optional	No	No
Rectangular	na	na
Lexan	Lexan (clear or tinted)	Lexan (clear or tinted)
30"	30"	30"
call	call	call

- MODEL**
- Price Range**
- Finish**
- Tandem**
- Tube Style**
- Sidewall Material**
- Overall Width**
- Custom Options**

EZ Lane Optical Turnstiles

Compare Models

EZ Lane Optical Turnstiles

EZ Lane Optical (Barrier Free)



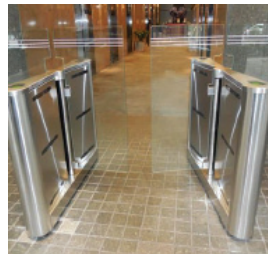
EZ Lane Optical (Arms)



	EZ Lane Slim	EZ Lane Standard	EZ Lane Drop Arm	EZ Lane Swing Arm
MODEL	Entry-Level Value	Mid-Range Value	Premium Value	Premium Value
Price Range	Entry-Level Value	Mid-Range Value	Premium Value	Premium Value
Finish	Stainless	Stainless	Stainless	Stainless
Cabinet Profile Width	Narrow	Narrow	Narrow	Narrow
Cabinet Top	Stainless or Corian	Stainless or Corian	Stainless or Corian	Stainless or Corian
Barrier Type (stainless)	na	na	drop style	swing style
Bi-Directional	yes	yes	yes	yes
Lane Width	22'-42" (ADA)	22'-42" (ADA)	22'-42" (ADA)	22'-42" (ADA)
Lane Depth	12" or 24"	36"-48"	36"	36"
Electronic Entry/Exit Control	yes	yes	yes	yes
Status Indicator Lights	yes	yes	yes	yes
Tailgate/Crawl Detection	yes	yes	yes	yes
Sound Alarm	yes	yes	yes	yes
Floor Mount Platform	option	option	option	option
Remote Lane Controller	option	option	option	option

EZ Lane Optical Turnstiles

EZ Lane Optical (Swing Glass)



EZ Lane Optical (Retractable Glass)

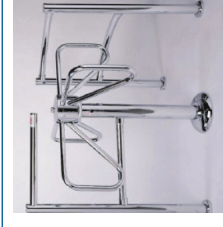
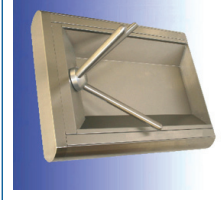


	EZ Lane Swing Glass	EZ Lane Hi-Swing Glass	EZ Lane Glass Wing	EZ Lane Full Glass
MODEL	Premium Value	Premium Value	Premium Value	Super Premium Value
Price Range	Premium Value	Premium Value	Premium Value	Super Premium Value
Finish	Stainless	Stainless	Stainless	Stainless
Cabinet Profile Width	Mid-Sized	Mid-Sized	Mid-Sized	Wide
Cabinet Top	Stainless or Corian	Stainless or Corian	Stainless or Corian	Stainless or Corian
Barrier Material (glass)	Swing Style	Swing Style	Angel Wing	Retractable
Barrier Height	36"	60"	na	72"
Bi-Directional	yes	yes	yes	yes
Lane Width	22'-36" (ADA)	22'-36" (ADA)	22'-36" (ADA)	22'-36" (ADA)
Electronic Entry/Exit Control	yes	yes	yes	yes
Status Indicator Lights	yes	yes	yes	yes
Tailgate/Crawl Detection	yes	yes	yes	yes
Sound Alarm	yes	yes	yes	yes
Floor Mount Platform	option	option	option	option
Remote Lane Controller	option	option	option	option

FastTurn Waist High Turnstiles Compare Models

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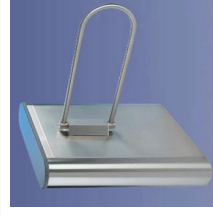
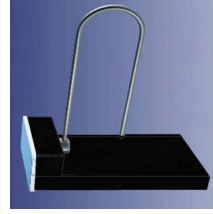
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FastTurn Waist High Turnstiles

MODEL	LC100	MR100	MR200	MR200 Plus	LA100 Four-Arm
Price Range	Entry-Level Value	Mid-Range Value	Premium Value	Premium Value	Mid-Range Value
Finish	Black or Stainless	Stainless	Stainless	Stainless	Chrome or Stainless
Cabinet Profile	Rectangular	Rectangular	Round Streamline	Round Streamline	Post
Wall Construction	Single	Double	Double	Double	2" tube
Corian Top	no	no	no	yes	na*
Portable Model	yes	no	no	no	na*
Arm Length	18"	18"	18"	15"	23"
Matching ADA Gate	yes	yes	yes	yes	no
Electronic Entry/Exit Control	option	option	option	option	no

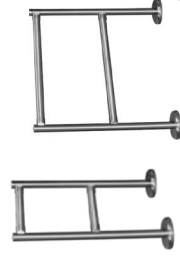
*na = not applicable



Turnstile Matching Entry ADA Gates

MODEL	LC100 ADA	MR100 ADA	MR200/200 Plus ADA
Price Range	Entry-Level Value	Mid-Range Value	Premium Value
Cabinet Profile	Rectangular	Rectangular	Round Streamline
Finish	Black	Stainless	Stainless
ADA Compliant (36" min.)	yes	yes	yes
Swing Direction	One or Two way	One or Two way	One or Two way
Closing Type	Self-close	Self-close	Self-close
Electronic Entry/Exit Control	option	option	option

Post & Rail (fills open space)



**Single units fit 12" to 60" openings.
Multiple units fit openings greater than 60"**

Custom sized to fit exact opening.
Stainless 2" round tubing
Floor mount with 7" base flange

Swing Gate – ADA Gates Compare Models

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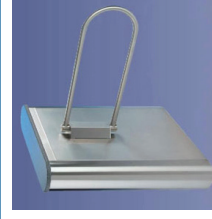
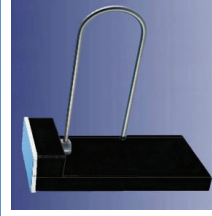
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	SG100	SG400	SG300	SG450	SG500
MODEL	SG100	SG400	SG300	SG450	SG500
Price Range	Entry-Level Value	Mid-Range Value	Mid-Range Value	Premium Value	Premium Value
Frame Style	Round corners	Square corners- picket	Round corners	Framed Glass Door	Frameless Glass Door
Frame	Stainless	Stainless	Stainless or Chrome	Stainless	Stainless
ADA Compliant (36" min.)	Yes	Yes	Yes	Yes	Yes
Swing Direction	One way	One way	One or Two way	One or Two way	Two way
Closing Type	Self close- adjustable	Self close- adjustable	Self close- adjustable	Self close- adjustable	Motorized
Mount Type(s)	Floor Posts (2) or... Floor Post w/Wall Mount	Floor Posts (2)	Floor Posts (2) or... Floor Post w/Wall Mount	Floor Posts (2)	Floor Post (1)
Gate Passage Type	Single	Single	Single or Double	Single	Single
Width-Single Gate	36"	36"	36"	36" or 42"	36"
Width-Single Gate (custom)	20" to 60"	*na	30" to 40"	30" to 42"	*na
Width-Double Gate (custom)	*na	*na	60" to 72"	*na	*na
Signage	option	*na	included	*na	*na
Post & Rail (custom sized)	option	option	option	option	option
Electronic Entry/Exit Control	option	option	option	option	option

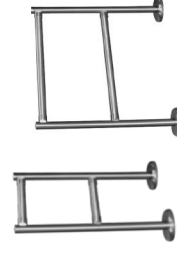


Swing Gate Post Style (ADA)

	LC100 ADA	MR100 ADA	MR200/200 Plus ADA
MODEL	LC100 ADA	MR100 ADA	MR200/200 Plus ADA
Price Range	Entry-Level Value	Mid-Range Value	Premium Value
Cabinet Profile	Rectangular	Rectangular	Round Streamline
Finish	Black	Stainless	Stainless
ADA Compliant (36" min.)	Yes	Yes	Yes
Swing Direction	One or Two way	One or Two way	One or Two way
Closing Type	Self-close	Self-close	Self-close
Electronic Entry/Exit Control	option	option	option



Post & Rail (fills open space)



**Single units fit 12" to 60" openings.
Multiple units fit openings greater than 60"**

Custom sized to fit exact opening.
Stainless 2" round tubing
Floor mount with 7" base flange

Turnstile Matching (ADA) Gates

*na = not applicable

What is a Turnstile?

A turnstile is a mechanism that allows a location to have control over enter and exit. A traditional turnstile consists of a horizontal arm that extends from a post and allows a person to pass through, given that a particular condition has been met. A turnstile provides security, controls crowds, prevents loss from theft, and controls admission and/or access.

Places that commonly use turnstiles include amusement parks, public transit systems, airports, and sporting venues. The design of a turnstile allows only one person to pass through at a time. Most modern turnstiles are mechanical, which allows the arms to be rotated one direction but not the other, or they can allow traffic in both directions. Now, many turnstiles are electronic, and some operate with optical sensors that can scan tickets or badges. If the sensor does not recognize the ticket or badge, and an audible alarm.

Turnstiles come in various sizes, from waist high to full height versions that are used for situations requiring maximum security. Variations include a looped arm model that is good to maintain traffic flow. A traditional three arms (tri-pod) model is good for tight spaces or when a portable turnstile is needed.

For those in wheelchairs or those with strollers or delivery carts, a variation of the turnstile with a drop arm or swing gate exists. The American Disabilities Act requires that accommodations must be provided for those with physical challenges to gain entrance, which a traditional turnstile generally does not allow. Some newer turnstiles appear almost like a revolving door, with clear panels as opposed to the transitional metal arms.

Other methods used to direct traffic and control crowds include stanchions or vertical bars (rail and posts). These would be like those used to designate a lane inside a bank lobby. If these are for temporary crowd control, stanchions are connected with retractable belts. For a more permanent setup, a post and rail system may be installed.

What is a Waist High Turnstile?

A Waist High turnstile is typically a tripod turnstile that is approximately 39 inches tall. This is the height for most adults to walk through easily using their hip or pushing with their hands. Waist-high turnstiles are a perfect fit for a variety of applications, ranging from athletic facilities, cafeterias, and schools, to amusement parks, stadiums, and office buildings. Multiple turnstiles can be used together to create a border to control traffic.



What is a Full Height Turnstile?



A Full Height turnstile is a larger, more secure version of the turnstile. They are commonly 7 feet high inside the cavity and come in different widths. They operate similar to a revolving door, which eliminates the possibility (inherent in the waist-high style) of anyone jumping over the turnstile. A full height turnstile can be used for one direction or bi-directional use. In many cases, a tandem full height is used to allow a turnstile for each direction.

What is an Optical Turnstile?

Optical turnstiles are physical security devices that restrict or control access to a building or secure area using infrared sensors to detect people and objects. There are two basic types of optical turnstiles:

Barrier Free Optical Turnstiles do not have a physical barrier, and are perceived by some people as more inviting than turnstiles with a barrier. However, barrier-free optical turnstiles are passive security devices and a nearby attendant should be present so that alarm conditions may be addressed appropriately. Barrier Free Optical Turnstiles passively control patron access. System users present access credentials to a reader on the turnstile. If the credential is valid, the turnstile allows a single user to pass through the lane. Unauthorized entry or attempts to "tailgate" behind an authorized user will set off lights and sounds to alert both the user and personnel of an alarm condition.



Optical Turnstiles with Barriers present both a physical and psychological barrier to entry. They actively control patron access. Motorized barriers are used in conjunction with the optical sensors to present a physical barrier to users until a valid credential is presented. System users present access credentials to a reader installed in the turnstile. If the credential is valid, the barriers open and the turnstile allows a single user to pass through the lane. Once the user has passed, the barriers automatically close. Unauthorized entry or attempts to "tailgate" behind an authorized user will set off lights and sounds to alert both the user and personnel of an alarm condition. The barriers may be of glass, or metal arms that swing or drop to allow access.



What is a Drop Arm Turnstile?



There are two types of Drop Arm Turnstiles. A waist high turnstile can have a drop arm system for emergency access, or an optical turnstile can have a Drop Arm style barrier. For information on the latter, please refer to Optical Turnstiles with barriers.

A waist high Drop Arm Turnstile has a long passage barring arm that can "drop" out of the way to allow free passage in the event of an emergency or to allow handicap access.

What is an ADA Compliant Gate?

The Americans with Disabilities Act (ADA) is a Federal civil rights law that prohibits the exclusion of people with disabilities from everyday activities. Businesses with revolving turnstiles exclude people with disabilities unless accessible passages are provided. This can be accomplished with the use of a swing gate or an optical turnstile used with an ADA compliant width.



Are turnstiles portable?



There are times when turnstiles need to be portable to add crowd control for temporary situations like fairs, carnivals, and other events. Waist high turnstiles may be made portable; however, these do not normally have electricity available and therefore are manual turnstiles without the ability to attach a card reader device.

How do I pick the turnstile for me?

To pick the turnstile that is right for you, you need to ask a few questions. What level of security is needed? Will a waist high turnstile provide a high enough level of security for me? Do I need it to be portable? What environment am I putting it into, inside or outside? Are aesthetics important? Do I need barriers blocking the entrance?

With the answers to those questions, you would be able to determine if waist high, full height, or optical turnstiles are the right fit for your application. You will also need to decide what options are needed. For instance, are you attaching a card reader or other device to allow access to be granted?

Do I need electricity to operate my turnstile?

If you plan to connect a card reader or use an optical turnstile, you will need electricity to operate your turnstile. Some turnstiles are equipped with electricity, but many manual turnstiles are not. Therefore, this will need to be specified when you place your order.

What Options are Available?

In today's environment, many options are available for turnstiles. Options are available from very advanced options, such as bullet resistant panels on a rotating door turnstile, metal detection capability, and radiation detection to simple options, such as electricity, counters, and status lights.

What is Fail Safe/Fail Secure?

When a turnstile is equipped with electricity, you need to decide how you want it to act when the power fails. Fail Secure means that the turnstile will remain locked during a power failure. Fail Safe allows the turnstile to go into "freewheeling" mode, which allows exit or entry without verification of credential via the card reader during a power failure. Most fail safe systems can be wired into the building fire alarm systems to unlock during an emergency.

What is a Card Reader?

Access control card readers are used in physical security systems, such as turnstiles, to read a credential that allows access through access control points. An access control reader can be a magnetic stripe reader, a bar code reader, a proximity reader, a smart card reader, or a biometric reader. In many cases, these can even be linked to a timecard system.

Important Points To Consider When Ordering A Turnstile

1. How many turnstiles do I need?

The following should be considered when calculating the number of turnstiles required:

- Size of facility and number of entrance and exit locations.
 - The number of people that have to pass an area in a certain period of time.
 - If required, the type of card reader and its read rate.
 - Handicap access points and emergency exits. Keep in mind the following ADA requirements: 32 inches (815mm) at a point space (doorway), 36 inches (915mm) continuous.
 - Under normal conditions, a controlled turnstile should handle a throughput of approximately twenty people per minute*. An exit-only turnstile should handle a throughput of approximately thirty people per minute.
 - Optical monitoring, barrier free, can handle 30-40 people per minute*.
- *These numbers may vary with different card reader read rates.

2. What functions should my turnstile have?

The following questions should be asked when choosing your turnstile functions:

- Will the turnstile be used in one or two directions?
- Should the turnstile be right-hand, left-hand, or both?
- Should the turnstile be locked in the entry or exit direction?
- Will a card reader be used to unlock the turnstile in one or two directions?
- Are any special cutouts or brackets required to mount card readers or lights?
- If locked in the exit direction, should it be failsafe in the event of an emergency?
- Will numeric counters be required in one or two directions?
- Are additional switches required to operate indicator lights or sensors?
- What type of finish should the turnstile have (paint color, stainless steel, etc.)?
- What arm length should the turnstile have?
- Is additional guide railing required to fill gaps or to help create a passageway?
- Do I need an out-of-service lock to lock the turnstile down after an event?

3. What type of finish and protection should I specify?

When choosing a finish, consider the following:

- For indoor applications, painted steel or stainless is suitable.
- For outdoor applications in a covered environment, painted steel or stainless steel is suitable.
- For outdoor applications in a coastal saline atmosphere, it is advisable to have stainless steel cabinets to minimize maintenance and ensure that the turnstiles always look clean.

4. What should I consider when designing the turnstile floor layout?

When configuring your turnstile layout, consider the following:

- What type of sub-surface am I drilling into?
- Will the surface support a turnstile and the accompanying abuse and forces?
- Is it possible to access the underside of the floor for the preferred through-bolt installation?
- What type and size of conduit will be required to be run for the electronics and the power source?
- What type of canopy should I use for outdoor installations?
- We recommend a 2.0" space at the end of the turnstile arm to avoid any pinch points.
- We advise the use of templates for drilling and installation.

We hope the information in this guide will be both helpful and informative. We specialize in helping you select the right product for the right job. We would welcome the opportunity to discuss with you the many advantages of our high-quality, reliable turnstile product line.

To arrange for a product demonstration, or to request a quote, please contact us at our headquarters:

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Fax (203) 877-7097
E-mail info@haywardturnstiles.com
Website www.HaywardTurnstiles.com