Tripod & Waist Height Turnstiles

We make access in life smart and secure.

dormakaba

Tripod and Waist Height Turnstiles

Two looks for reliable access control.

The motor-driven dormakaba **Waist Height Turnstiles** (see cover) in transparent glass and high quality stainless steel efficiently control access and aesthetically complement any décor.

With the advantage of proven technology, dormakaba **Tripod Turnstiles** (shown above) comfortably control user flow even in times of high throughput.

Contents

Entrance solutions by dormakaba

Security. Sustainability. Reliability.

dormakaba stands for security, sustainability and reliability. Our mission is to make the lives of our customers smart and secure. Holding true to our mission, we invest in innovation to develop entrance solutions that exceed your demands and expectations.

The commitment to develop innovative yet practical products is what differentiates dormakaba. Our Tripod and Waist Height Turnstiles are powerful examples of our dedication to providing premium physical access systems that perform as designed throughout the life of your building.

"The commitment to develop innovative yet practical solutions is what differentiates dormakaba."

To ensure our entrance solutions perform at the highest level, we provide the most comprehensive offering of services in the industry. You can trust dormakaba for exceptional product support, including installation, retrofit, replacement and maintenance.

We will continue to deliver systems that define security and convenience. Together with first class service, on-going training and aftermarket sales support, our priority will always be adding value for our customers and esteem to our brands.

All-purpose Tripod Turnstiles

Practical, reliable, easy to use.

Mobile application installed on pallet

* Individual authorization required (competent building authority)

dormakaba Tripod Turnstiles accommodate reception staff and control visitor access in the most aberrant situations. Our proven technology comfortably controls high throughput user flow.

Versatility

For controlled access to buildings or any facility, a variety of attractive designs for single or multiple lanes are available. Our high-quality Tripod Turnstiles are made of stainless steel and suitable for indoor and outdoor applications.

Minimal power consumption

The quiet, low-energy drive consumes minimal power. The low-energy activation minimizes the risk of injury during rotation.

Clearing and barring passage automatically

In an emergency, versions with foldable bars allow for clear egress in both directions.* The foldable crossbar is reset automatically as soon as the critical event has ended. Dual direction can also be initiated by authorized reception staff with an operating device.

Advantages of dormakaba Tripod Turnstiles

- Foldable bars and automatic reset.
- Modular for individual and multiple lanes.
- Comfortable passage thanks to servo-positioning drive.
- Minimal energy consumption due to low-energy drive.
- Low-energy drive ensures safe passage.
- Suitable for outdoor applications.
- With additional equipment, suitable for emergency egress.
- Barrier-free solutions in conjunction with automatic swing doors in a matching design.

Throughput rate	=	up to 45 per minute
Security level	=	●○○○○
Comfort	=	●●●○○
Staff supervision	=	yes

As a solution for ADA compliance, we offer swing gates in a matching design.

dormakaba Tripod Turnstiles are developed with a clear focus on the requirements of users, operators, and the structural environment.

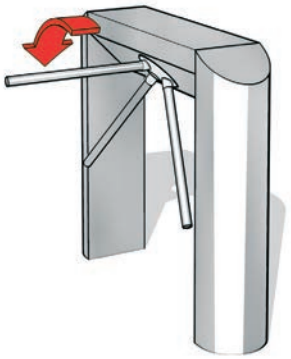
Tripod Turnstiles offer a compact access solution for confined interior areas.

Various types of installations can be configured in combination with guiding bars and swing doors.

Multiple units arranged to control access in large venues such as theaters, arenas and convention centers.

TPB-E02

Tripod Turnstiles

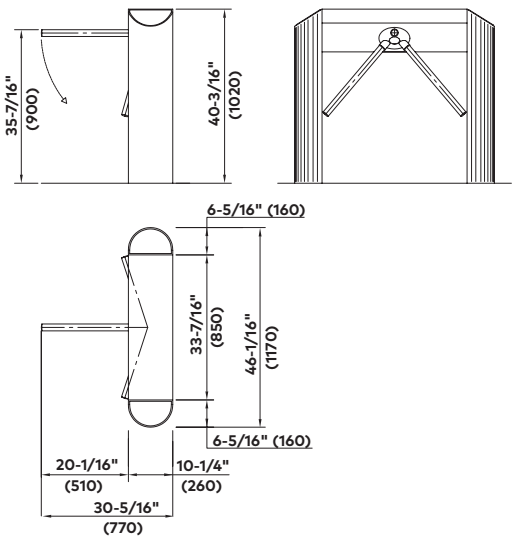


Standard units	TPB-E02
Construction	Housing and base columns in a single unit (open design).
Housing material	AISI 304 stainless steel.
Base column, base or flange plate material	AISI 304 stainless steel.
Crossbar material	AISI 304 stainless steel.
Finish	Stainless steel satin finish.
Function (see **Notes** below)	Mechanical (Manual) Electronic (1) Electronic (2) Power assist
Electrical equipment	Control system integrated in the unit.
Power supply	110 – 230 VAC, 50/60 Hz, 253 VA.
Standby power consumption	10 VA.
Installation	Dowelled on finished floor level, FFL.
	Suitable for outdoor installation.
Protection classes	Housing IP33, components conducting supply voltage IP43.

Notes

- **Manual**—Mechanical operation, free in one direction/opposite direction blocked.
- **Electronic (1)**—One direction electronically controlled/opposite direction blocked (behavior in event of power failure: both directions blocked or one direction free, one direction blocked).
- **Electronic (2)**—Electronically controlled in both directions (behavior in event of power failure: both directions blocked or both directions free).
- **Power assist**—Power-assisted motion; servo-positioning drive/ electronically controlled in both directions (behavior in event of power failure can be selected for each direction: free or blocked).

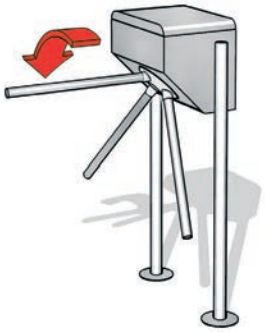
TPB-E02

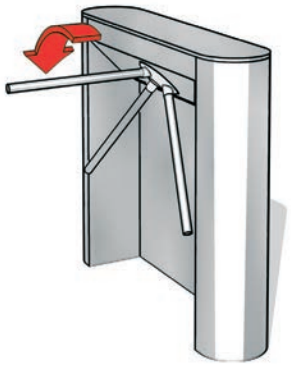


Note
In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).

TPB-S03 / TPB-C01

Tripod Turnstiles

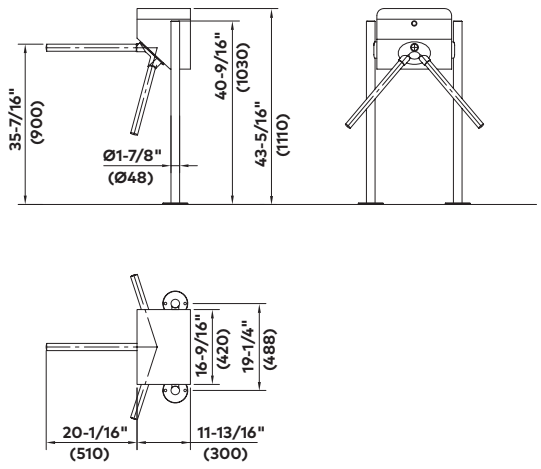




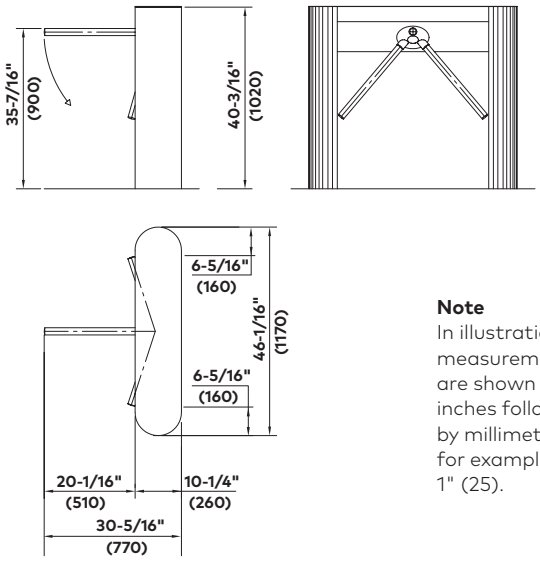
Standard units	TPB-S03	TPB-C01
Construction	Housing with base column and flange plate.	Housing and base columns enclosed with additional back plate made of stainless steel AISI 304.
Housing material	Aluminium.	AISI 304 stainless steel.
Base column, base or flange plate material	AISI 304 stainless steel.	AISI 304 stainless steel.
Crossbar material	AISI 304 stainless steel.	AISI 304 stainless steel.
Finish	Stainless steel satin finish. Aluminium housing painted in RAL 9006.	Stainless steel satin finish.
Function	Electronic (2)*	Electronic (2)*
Electrical equipment	Control system integrated in the unit.	Control system integrated in the unit.
Power supply	110 – 230 VAC, 50/60 Hz, 253 VA.	110 – 230 VAC, 50/60 Hz, 253 VA.
Standby power consumption	10 VA.	10 VA.
Installation	Dowelled on finished floor level, FFL.	Dowelled on finished floor level, FFL.
	Suitable for outdoor installation.	Not suitable for outdoor installation.
Protection classes	Housing IP33, components conducting supply voltage IP43.	

*** Electronic (2)**—Electronically controlled in both directions (behavior in event of power failure: both directions blocked or both directions free).

TPB-S03



TPB-C01



Note
In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).

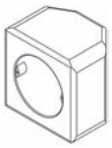
Tripod Turnstile options

	TPB-E02	TPB-S03	TPB-C01
Function			
Counter, random generator with audible signal.	○	○	○
Escape route module with emergency push-button, additional emergency push-button available.	○	○	○
Collapsible bars on unit types 1.1, 1.2 and 2. Automatic reset on Electronic (2).	○	○	○
Electrical equipment			
Installation preparation for components provided by customer. Including cover plate.	○	–	–
Push button on flat surface.	○	○	○
Operating panels and frames or surface mount housing.	○	○	○
Additional circuit boards for expanding existing inputs and outputs on unit Electronic (2).	○	○	○
Various signal devices.	○	○	○
Star hub (connection of max. four OPLs possible).	○	○	○
Installation			
Pallet with stainless steel ramp and rubber covering, approx. 3' 3-5/16" x 4' 11-1/16" (1.0 m x 1.5 m), height approx. 1-1/4" (32 mm).	○	○	○
With substructure X = 3-1/8"– 6-5/16" (80 – 160 mm) for sub floor level.	○	–	○
With substructure X = 3-1/8"– 7-1/16" (80 – 180 mm) for sub floor level.	–	○	–
With cast-in clamping sleeves and rosettes for structural floor level.	–	○	–

○ optional – not available

OPL 05 operating panel

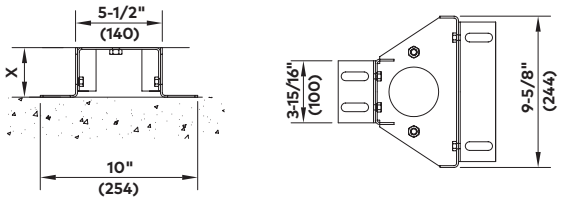
Signal device LED arrow-cross (installed in the housing or in the cover plate on both sides).



Console 1 with plastic adapter in RAL 9006, W 3-11/16", H 3-11-16", D 2-9/16" (W 94 mm, H 94 mm, D 65 mm) with Ø2-9/16" (Ø65 mm) cut-out, fixed to lateral.barrier.

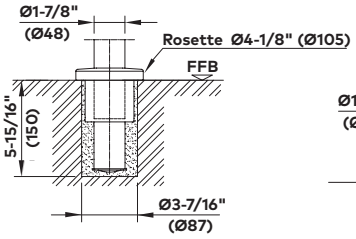
Tripod Turnstile installation examples

TPB-E02 / TPB-C01

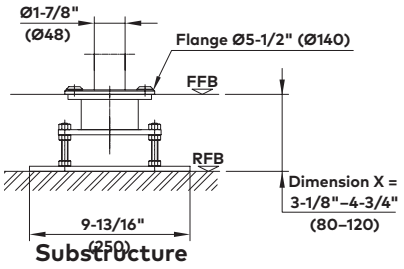


Substructure

TPB-S03



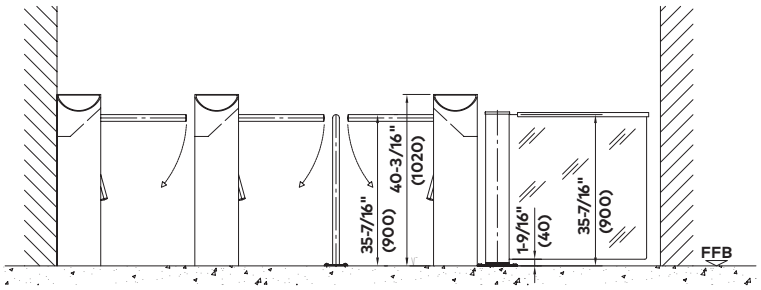
Cast-in

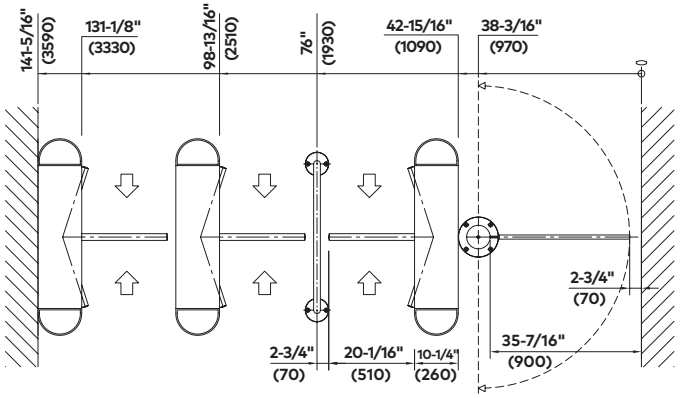


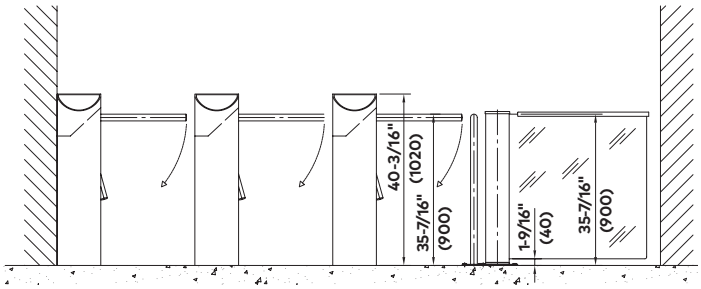
Substructure

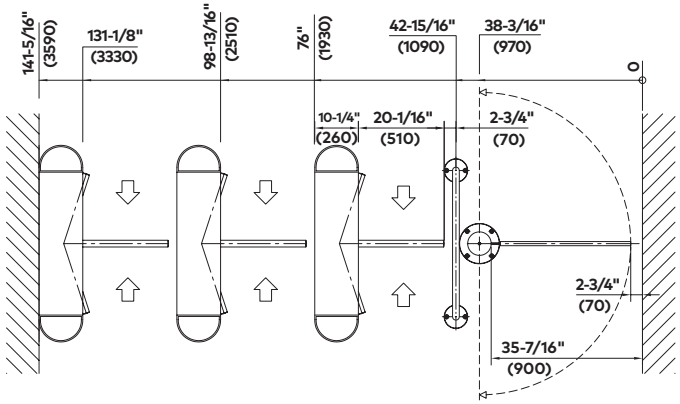
Installation diagrams

TPB-E02





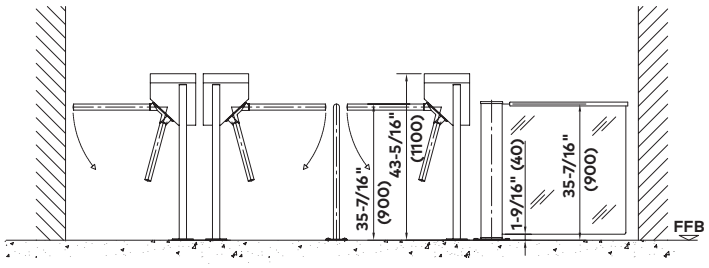


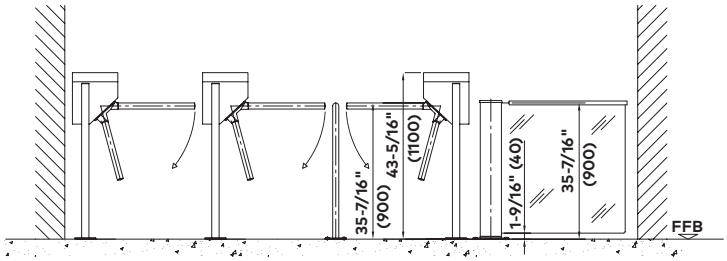


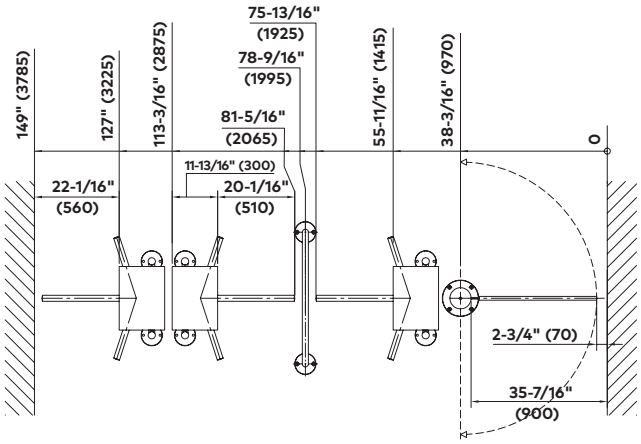
Note
In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).

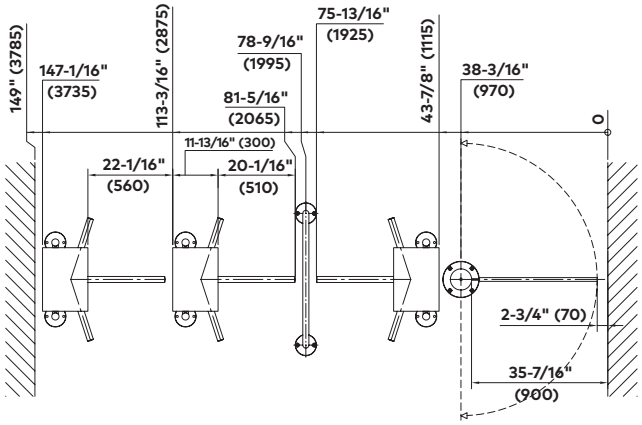
Tripod Turnstile installation diagrams

TPB-S03

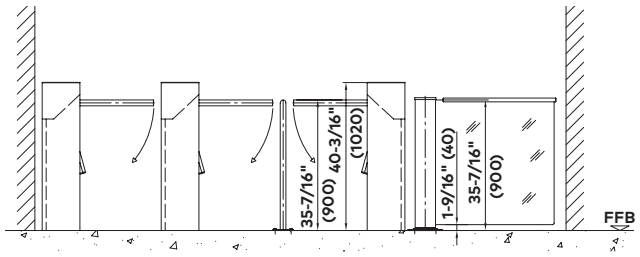


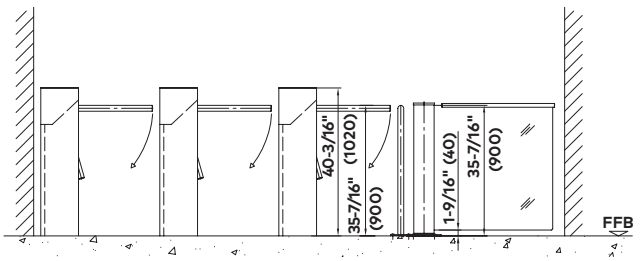


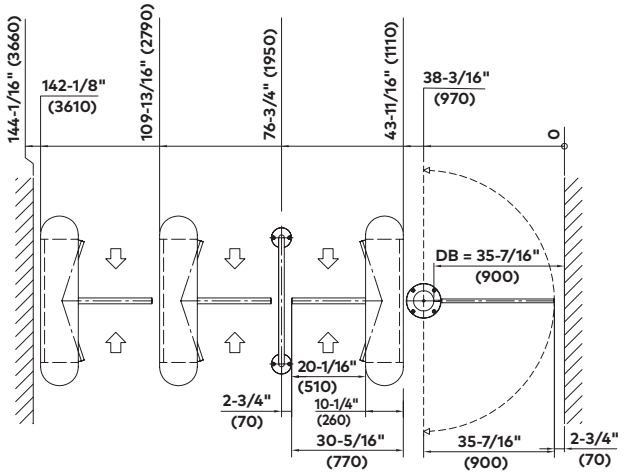


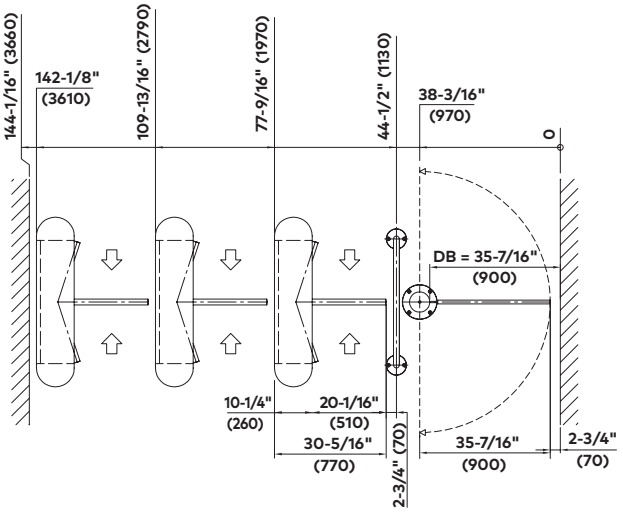


TPB-C01









Transparent Waist Height Turnstiles
Elegant, quiet, versatile.

Multiple lane installation in foyer within eyeshot of reception staff.

Design
Transparent glass and premium stainless steel give these motor-driven turnstiles their exceptional appearance. They blend elegantly with vintage and modern building interiors alike.

Versatility
Our space-saving turnstiles are functional and attractive and can be arranged in almost any configuration as your access requirements dictate. Glass turnstiles are designed exclusively for interior applications while our stainless steel models without glass can be specified for outdoor installation.

Barrier-free access/goods transport
Access can be granted for those requiring wheelchair passage or goods transport using either a separate swing door or a door that is integrated with the turnstile.

Minimal power consumption
The quiet low-energy drive consumes very little power and adapts itself to the speed of the person entering.

Advantages of dormakaba Waist Height Turnstiles
- Quiet, low-noise operation.
- Low power consumption.
- Elegant, transparent design.
- Space-saving, as multiple installation.
- Servo-positioning drive provides comfortable passage
- Barrier-free solutions with automatic swing doors in matching design.
- Swing doors suitable for installation in emergency and escape routes.
- Versatile design of glass wings, guiding elements and bar handles.
- Direction of passage/denial of passage in case of power failure can be pre-set.
- Optional height adjustment up to 47-1/4" (1200 mm).

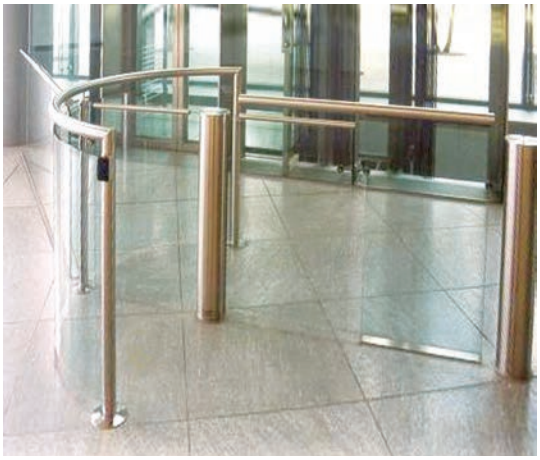
Throughput rate	=	up to 25 per minute
Security level	=	●●○○○
Comfort	=	●●○○○
Staff supervision	=	yes

In prestigious entrance areas, VIP rooms, or at access points to an executive suite, dormakaba's transparent motor-driven turnstiles efficiently control access and aesthetically complement any interior.

Waist Height Turnstiles

User and operator requirements, as well as design and environmental considerations can be specified to achieve your overall entry solution.

Perfectly coordinated: warm wood, glass, and stainless steel offer unobtrusive corporate ambience.



Space-saving transfer solution with integrated swing door for goods, supply and material access.

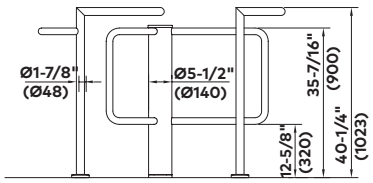
Automatic swing doors in a matching transparent design offer a fitting solution for ADA compliance.

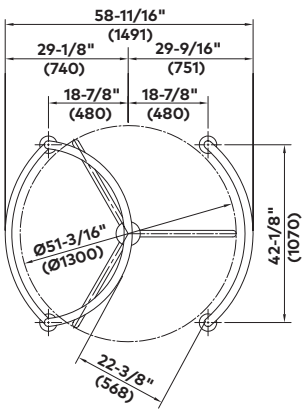
HTS-E01

Waist Height Turnstiles

Standard units	**HTS-E01**
Construction	
Material	AISI 304 stainless steel.
Side barrier elements	Made of AISI 304 stainless steel tubing Ø1-7/8" (Ø48 mm), mitered.
Rotating units	With tubular column Ø5-1/2" (Ø140 mm) made of AISI 304 stainless steel.
	With three U-shaped barrier elements made of AISI 304 stainless steel tubing Ø1-9/16" (Ø40 mm).
	Locking system, drive and toothed holding brake installed in tubular column.
Finish	Stainless steel satin finish.
Function	Power assist; servo-positioning drive/electrically controlled in 2 directions.
	Passage side can be selected - inwards right or inwards left.
Electrical equipment	Control unit in external switch cabinet: H 11-1/8" – W 6-5/8" – D 4-1/2" (H 283 mm – W 168 mm – D 115 mm).
Power supply	110 – 230 VAC, 50/60 Hz, 253 VA.
	In case of power failure both directions free
Standby power consumption	15 VA.
Installation	Dowelled on finished floor level, FFL.
	Suitable for outdoor installation.
Protection classes	Housing IP43, components conducting supply voltage IP54.

HTS-E01

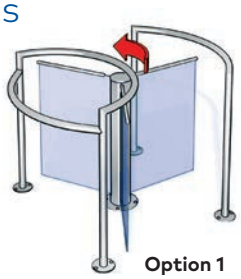




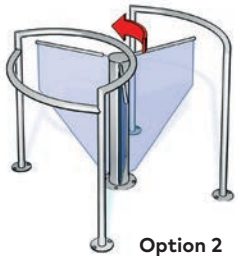
Note
In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).

HTS-E03

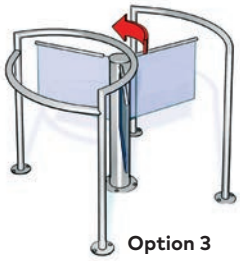
Waist Height Turnstiles



Option 1



Option 2

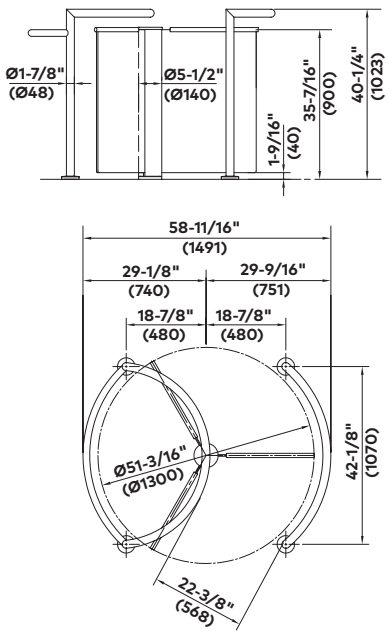


Option 3

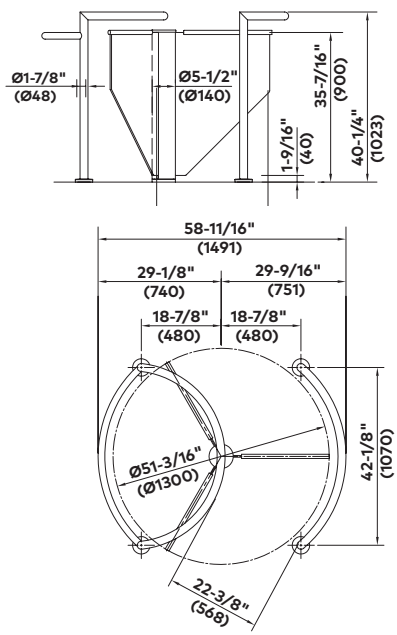
Standard units	HTS-E03
Construction	
Material	AISI 304 stainless steel / toughened safety glass, 3/8" (10 mm).
Side barrier elements	Made of AISI 304 stainless steel tubing Ø1-7/8" (Ø48 mm), mitered.
Rotating units	With tubular column Ø5-1/2" (Ø140 mm) made of AISI 304 stainless steel.
	With three glass elements and stainless steel bar handles. Glass elements are one of: Option 1: Three tall glass elements Option 2: Three bevelled glass elements Option 3: Three half-height glass elements
	Locking system, drive and toothed holding brake installed in tubular column.
Finish	Stainless steel satin finish.
Function	Power assist; servo-positioning drive/electrically controlled in 2 directions.
	Passage side can be selected: inwards right or inwards left.
Electrical equipment	Control unit in external switch cabinet: H 11-1/8" – W 6-5/8" – D 4-1/2" (H 283 mm – W 168 mm – D 115 mm).
Power supply	110 – 230 VAC, 50/60 Hz, 253 VA.
	In case of power failure both directions free.
Standby power consumption	15 VA.
Installation	Dowelled on finished floor level, FFL.
	Not suitable for outdoor installation.
Protection classes	Housing IP43, components conducting supply voltage IP54.

HTS-E03

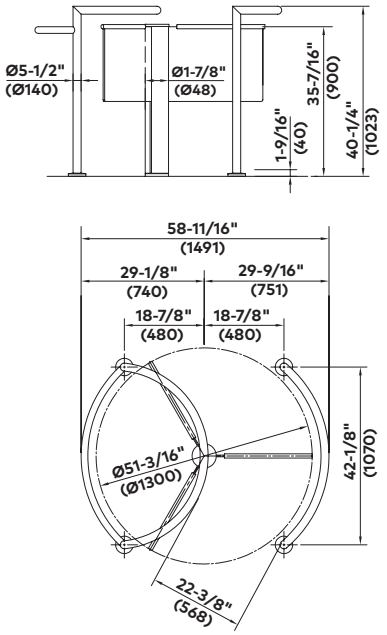
Option 1



Option 2

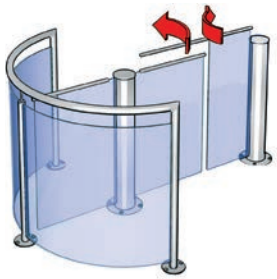


Option 3



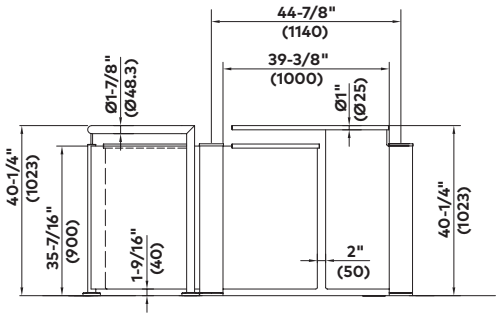
HTS-M01

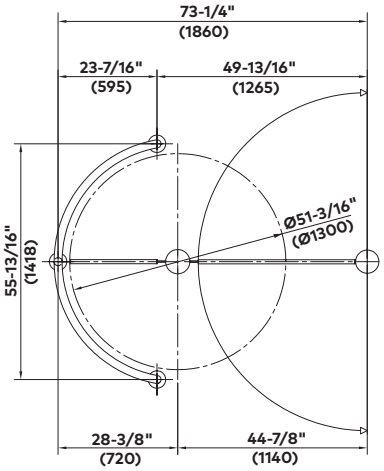
Waist Height Turnstiles



Standard units	HTS-M01
Construction	
Material	AISI 304 stainless steel / toughened safety glass, 3/8" (10 mm).
Side barrier elements	Made of AISI 304 tubular stainless steel, Ø1-7/8" (Ø48 mm), mitered, with 8 mm tempered safety glass.
Rotating unit	180° rotating unit; tubular column made of AISI 304 stainless steel, Ø5-1/2" (Ø140 mm).
	With two tall glass elements and stainless steel bar handles.
	Locking system, drive and toothed holding brake installed in tubular column.
HTS-M01 swing door	Tubular column made of Ø5-1/2" (Ø140 mm) stainless steel with 3/8" (10 mm) TSG glass element and bar handle.
Finish	Stainless steel satin finish.
Function	Power assist; servo-positioning drive/ electrically controlled in both directions.
Electrical equipment	Two control units in external switch cabinet: H 11-1/8" – W 6-5/8" – D 4-1/2" (H 283 mm – W 168 mm – D 115 mm).
Power supply	110 – 230 VAC, 50/60 Hz, 253 VA.
	In case of power failure both directions free.
Standby power consumption	15 VA.
Installation	Dowelled on finished floor level, FFL.
	Not suitable for outdoor installation.
Protection classes	Housing IP43, components conducting supply voltage IP54.

HTS-M01





Note
In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).

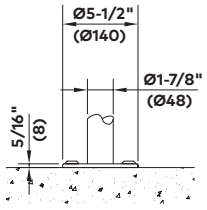
Waist Height Turnstile options

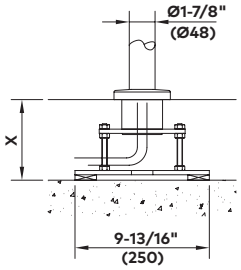
	HTS-E01	HTS-E03	HTS-M01
Construction			
Barrier elements with glass panel.	○	○	–
Three bevelled barrier elements.	–	○	–
Three half-height barrier elements.	–	○	–
Electrical equipment			
Installation preparation with adapter or mounting plate.	○	○	○
Consoles with adapter made of plastic or aluminium (also available in stainless steel for an additional charge).	○	○	○
Push button in stainless steel tube console for manual single release.	○	○	○
Operating panels and frames or surface mount housing.	○	○	○
Additional circuit boards for expanding existing inputs and outputs.	○	○	○
Star hub (connection of max. four OPLs possible).	○	○	○
Installation			
With adjustable mounting plates X = 3-1/8" – 7-1/16" (80 – 180 mm) for sub floor level.	○	○	○
With cast-in clamping elements.	○	○	○

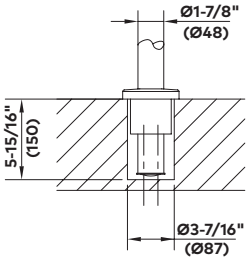
○ optional – not available

Installation examples

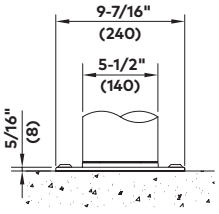
Guiding elements

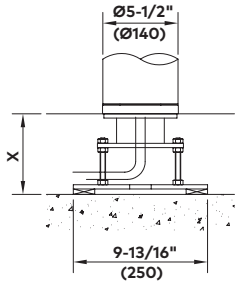


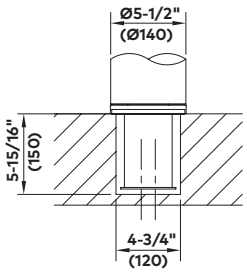




Column



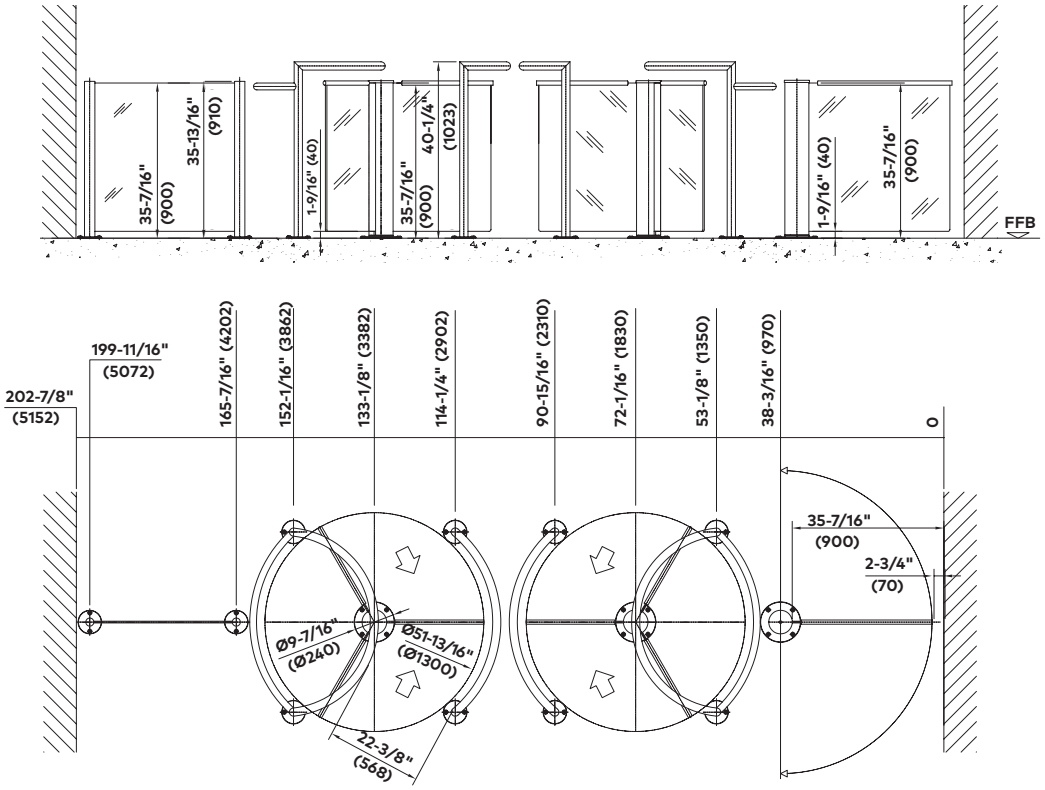




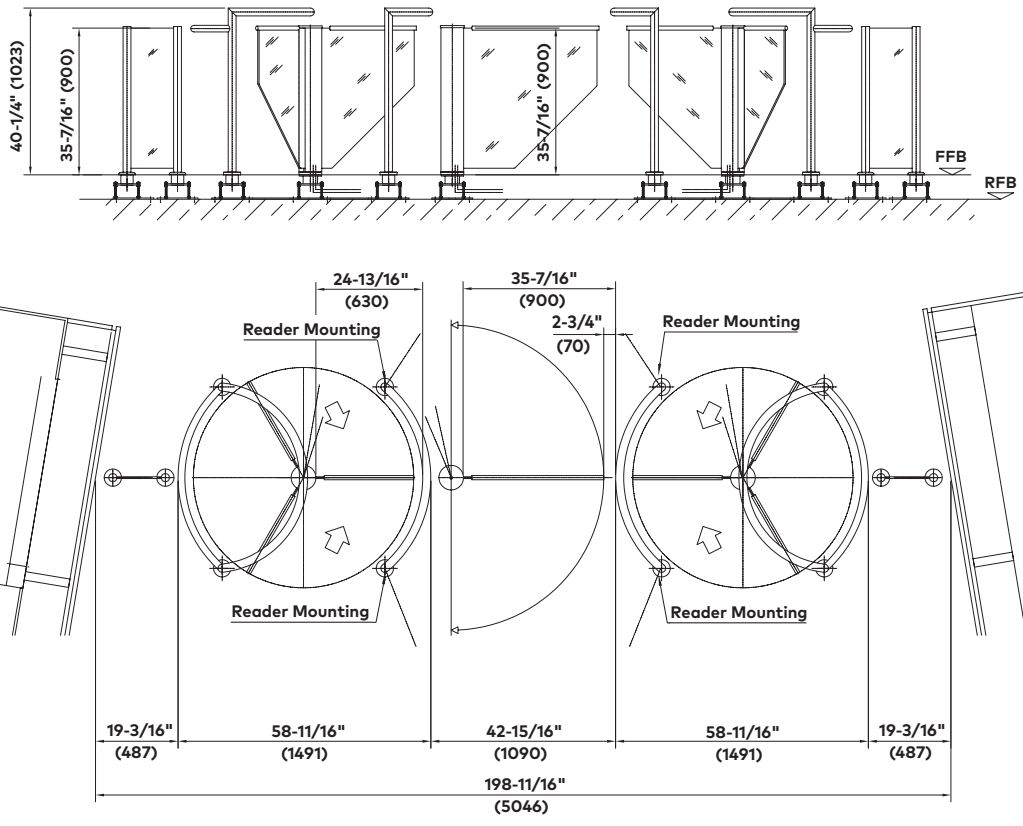
Note
In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).

Waist Height Turnstile installation diagrams

HTS-E03 with tall glass barrier elements



HTS-E03 with bevelled glass barrier elements



Architectural and design consultation

Project support at every phase.

We provide unparalleled support at every phase of your project—from design consultation and specifications to installation and maintenance.

We provide the most comprehensive project support services in the industry. From specification and new installation to dependable maintenance, our goal is your satisfaction.

Our in-house consultants are here to assist you from the start of your project with design and writing non-proprietary specifications and schedules. Next, you can rely on our customer service team to provide exceptional product support, while our nationwide network of service professionals can help with the final phases of installation and proper maintenance.

Our comprehensive specification writing services include consultation on our complete range of entrance solutions:

- automatic door systems (sliding, swinging, and revolving doors)
- glass systems and hardware
- architectural hardware
- operable walls

Consulting services include:

- Developing code-compliant access solution specifications and schedules.
- Developing detailed specifications for all other product groups.
- Meeting with the design professional and/or owner to discuss project requirements and security coordination.
- Assisting with development of a professional key system.
- Preparing budgets.
- Reviewing substitution requests.
- Reviewing submittals.
- Responding to RFIs, owner's comments, and comments from other entities.
- Assisting with punch list development and administration.

For comprehensive project support, call dormakaba at **844-SPECNOW (844-773-2669)**

Service and installation

A commitment to excellence.

Our nationwide network of service professionals is certified by the American Association of Automatic Door Manufacturers.

With an emphasis on service excellence, dormakaba is committed to delivering, installing and servicing automatic, revolving, and manual doors and hardware for commercial applications.

dormakaba's nationwide network of service professionals provides responsive and comprehensive sales, technical, project management, and maintenance support. Dedicated to the highest level of expertise, all our service technicians are certified by the American Association of Automatic Door Manufacturers (AAADM).

With more than 28 offices throughout North America, our certified professionals are ready to respond to your service needs.

Visit
go.dormakaba.com/ServiceAMER
to learn more about dormakaba Service and Installation.

KAA1364 0217 1.5M CT

DORMA USA, Inc.
Dorma Drive,
Drawer AC
Reamstown, PA 17567
844-SPECNOW

www.dormakaba.com