Turnstiles—Full Height

Data Sheet
Turnstiles—Full Height

APS Full Height Turnstiles offer secure, efficient pedestrian traffic control. All turnstiles are designed and manufactured to the highest specification, using top quality components and materials to ensure ongoing robust, reliable operation.

Features

- Available in single or double turnstile variations
- Available with 3-arm, 120 degree spacing or 4-arm, 90 degree spacing
- Manual mechanical or electrical operation with soft start feature
- Uni- and bi-directional movement
- Free two-way rotation in failsafe mode (should there be a power cut, etc.)

Available in a range of colour-coded enamel paint finishes, standard galvanised steel finish or stainless steel

Access Control Interface

Full height turnstiles can be fitted with a multi-function logic system, enabling interface with a range of access control systems such as:

- card swipe systems
- coin/token systems
- digital keypads
- induction loops
- proximity readers
- push button or remote control

A range of optional accessories are available including:

- internal lighting for safe 24-hour usage
- warning lights for additional safety
- choice of straight tubular arms (with safety end caps) or U-shaped loops for ease and comfort of use
- non-slip flooring for pedestrian safety
APS offer a range of single and multiple full height turnstiles designed for stadium and other high traffic applications. They are constructed from heavy gauge mild steel with an option for graffiti resistant stainless steel, with matching arms.

The 120 degree spacing allows high traffic flow whilst providing comfort for the user. Turnstiles may be supplied as uni-directional or bi-directional with selectable entrance direction.
Double Turnstile—Stainless Steel

External Turnstile—contrast rotor
Project Site Access Turnstile
Available with biometric access control
## Turnstile Specification

<table>
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<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Clear opening width</td>
<td>2 x 700mm</td>
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<tr>
<td>Clear opening height</td>
<td>2000mm</td>
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<tr>
<td>Controlled rotation</td>
<td>120°</td>
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<tr>
<td>Main turnstile frame</td>
<td>120 x 80 x 3mm RHS</td>
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<tr>
<td>Top frame</td>
<td>40 x 40 x 2mm RHS</td>
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<tr>
<td>Side frame</td>
<td>60 x 40 x 2mm RHS</td>
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<tr>
<td>Side frame vertical infill@ 120mm centres</td>
<td>30 x 20 x 2mm RHS</td>
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<tr>
<td>Fixed fender arms @ 200mm centres</td>
<td>40mm diameter RHS</td>
</tr>
<tr>
<td>Stainless steel hairpin rotor arms</td>
<td>40mm</td>
</tr>
<tr>
<td>Base dimensions</td>
<td>1750 x 3500mm</td>
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</tbody>
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APS turnstiles are supplied as a complete assembled unit. The main frame is constructed from fully welded steel hollow sections. The optional drive systems, electrical control gear and roof are mounted on the top frame and the static fenders are welded to the side frames.

Double rotor turnstiles are also available in 'compressed' style where both sets of rotor arms overlap each other in the centre of the unit. The smaller overall dimension is very useful where space is restricted.

The stainless steel "hairpin" rotor arms are at 120° spacing, and are welded to the stainless steel centre axis tubes, which are mounted top and bottom on sealed bearings.

The optional electric drive systems are arranged to operate from a 230V, 50 Hz supply with integral motor, clutch and magnetic brake. The drives are arranged to gently turn the rotor once the arms have been pushed, however the drives will stop if there is any resistance to movement.

There are many options of control of manual and power driven turnstiles. All types of modern personnel access control systems can be interfaced with the programmable electrical control panel housed in the turnstile roof.

All overhead electrical control gear is enclosed in a weatherproof housing as standard. However a full roof with walkway lighting and rainwater ware is also available. APS turnstiles can be arranged to fail 'open' or 'locked' in the event of a power failure.

To ensure long term corrosion protection after fabrication, components are shot blasted, hot zinc sprayed and polyurethane primed before two high density polyurethane colour coats are applied. Both the primer and the colour coats are electro-statically applied. Colours are specified by the customer.

APS products are constructed to meet all European Regulations relating to Machinery Operational Directives and Safety Requirements.

Foundation and general arrangement drawings are supplied shortly after an order has been placed, for dimensional approval, and to ensure that the foundations can be completed in good time before the turnstile is delivered. Wiring diagrams are delivered with the turnstile.
Turnstile Specification

Control Equipment

Key switch
Table switch
Wall switch
Locking switch - (key can be removed when switch is locked/unlocked)
Card access system, proximity or swipe, complete with cards
Token access system complete with tokens
Remote Open/Closed status indicator
Remote ‘Automatic’ override switch ON/OFF
Two Stop/Go lights, red and green
Intercom system - Turnstile station and remote station including power supplies

Functions

Turnstile locked in both/either directions
Turnstile open in both/either directions
Controlled entry/exit

Security and Accessories

Serrated strips 30mm or 50mm high
Steel spikes 10mm dia. x 50mm high @ 50mm centres
Barbed wire in rows (as reqd.) on vertical supports
Barbed wire in rows (as reqd.) on ‘Y’ supports
Bell push-button
Light switch
Letter box
Choice of roof, from small control gear cover to full size roof with flush lighting, rainwater ware etc.

Special control systems, panelling, cladding and dimensional variations upon request

Foundations, containment and cables must be installed by the purchaser, in accordance with details supplied by the manufacturer