

ROTATECH FH

Full Height Turnstiles

for indoor and outdoor applications

ROTATECH FH range of heavy-duty electromechanical full height turnstiles are designed to ensure reliable unmanned pedestrian access control where pedestrians enter or exit restricted areas.

The ROTATECH FH full height turnstiles provide electronically controllable bidirectional access, available in either fail-safe or fail-lock locking configuration in the event of a power failure or emergency condition.

Featuring dual side frames for improved perimeter security and enhanced robustness, a self-centering rotor column incorporating either 3 or 4-arm U-shape bars, the ROTATECH FH are available in a broad selection of finishes to suit a variety of application environment conditions.



AVAILABLE CONFIGURATIONS

- ROTATECH FHS 90 | Single 4-arm full height turnstile
- ROTATECH FHS 120 | Single 3-arm full height turnstile
- ROTATECH FHD 90 | Double 4-arm full height turnstile
- ROTATECH FHD 120 | Double 3-arm full height turnstile
- ROTATECH FH MANTRAP | Single 4-arm mantrap full height turnstile

Typical areas of application include:

Commercial & Residential Estates | Construction Sites | Education | Government Sites | Industrial Sites | Leisure Centres | Logistics Centres | Mines | Recreation & Amusement Parks | Parks Secure Compounds | Stadia & Sport Arenas

Alltech Vehicle Barriers & Turnstiles Solutions also feature:

Boom and Spike Barriers | Bollards | Fast Folding Gates | Road and Rated Wedge Blockers | Half Height Turnstiles | Tripod Turnstiles | Revolving Doors | Security Booths | Special Needs Access Gates

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For a safer world

ELECTRICAL DATA & CONDITIONS OF USE

POWER	<ul style="list-style-type: none"> Power Supply: 220Vac 50Hz / 110Vac 50Hz Power Consumption: 35W (ROTATECH FHS) / 70W (ROTATECH FHD)
LOGIC / SOLENOID VOLTAGE	<ul style="list-style-type: none"> 24VDC
FIRE SIGNAL	<ul style="list-style-type: none"> Input for voltage free contact
OPERATING TEMPERATURES	<ul style="list-style-type: none"> -10°C to +55°C RH 95% no condensing
EMC COMPLIANCE	<ul style="list-style-type: none"> According to CE

SYSTEMS INTEGRATION & ACCESS SPECIFICATIONS

LOGIC	<ul style="list-style-type: none"> PLC
SYSTEMS INTEGRATION	<ul style="list-style-type: none"> Integrates with any access control and time & attendance systems with 0 voltage input 0V inputs provided for entry and exit directions of passage 0V latching input provided for control of both simultaneous and individual entry and exit direction 0V outputs provided for complete transaction counting in both entry and exit directions Mechanical key switch override for locking / unlocking each direction of passage
FLOW RATES <i>Dependent on access control installation</i>	<ul style="list-style-type: none"> Insertion Type Reader: Up to 12 passages / mn Swipe Type Reader: Up to 15 passages / mn Proximity Type Reader: Up to 18 passages / mn
SPECIAL NEEDS ACCESS	<ul style="list-style-type: none"> No. Only available in combination with a full height access gate. See Alltech PEDTECH product
POWER FAILURE / EMERGENCY EGRESS	<ul style="list-style-type: none"> In the event of power failure or fire alarm, the turnstile may be configured to fail-safe i.e. rotor freely rotates or fail-lock i.e. rotor locks. Either option is available in both or one direction. <i>Choice to be specified at time of order placement</i>

INSTALLATION & MAINTENANCE

PRODUCT DELIVERY	<ul style="list-style-type: none"> Fully assembled or in a kit form. Choice to be specified at time of order placement.
SITE PREPARATION	<ul style="list-style-type: none"> Flat and leveled finished floor +/- 5mm
CABLING & CONDUITS	<ul style="list-style-type: none"> Through the ground and/or through the wall
LOGIC ACCESS	<ul style="list-style-type: none"> Housed into top channel with lockable lid
MAINTENANCE ACCESS	<ul style="list-style-type: none"> Top channel access
MTTR <i>Mean Time To Repair</i>	<ul style="list-style-type: none"> Approx. 20mn
MCBF <i>Mean Cycle Between Failure</i>	<ul style="list-style-type: none"> 5million

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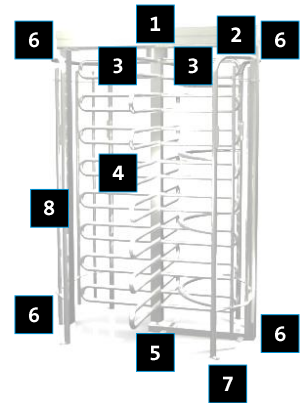
MECHANICAL AND DESIGN OPTIONS

ROTATION MECHANISM	<ul style="list-style-type: none"> ▪ Electronically controlled bi-directional ▪ Mechanically controlled uni-directional via key override ▪ Free rotation
LOCKING	<ul style="list-style-type: none"> ▪ Fail-lock* auto-lock in the event of a power failure ▪ Fail-safe* auto-unlock in the event of a power failure <p><i>* In the event of power failure or fire alarm, the turnstile may be configured to fail-safe i.e. rotor freely rotates or fail-lock i.e. rotor locks. Either option is available in both or one direction. Choice to be specified at time of order placement.</i></p>
FINISHES OPTIONS	<ul style="list-style-type: none"> ▪ Mild steel powder coated to standard RAL 5008 - Charcoal Blue. <i>Other choice of colour available on request</i> <i>Not recommended for corrosive environment applications</i> ▪ Hot dip galvanised mild steel powder coated to RAL 7004 - Signal Grey. <i>Other choice of colour available on request</i> <i>Suitable for corrosive environment applications</i> ▪ Brushed 304 stainless steel. <i>Suitable for corrosive environment applications with adequate cleaning program</i> ▪ Brushed 316 stainless (available on request). <i>For improved durability in corrosive environment applications with adequate cleaning program</i>
ACCESSORIES	<ul style="list-style-type: none"> ▪ Access control reader mounting brackets available in various dimensions (standard H145 x W85 x D40mm) ▪ Single / dual push button (supplied turnstile mounted or non-mounted) ▪ Roof canopy

PRODUCT OVERVIEW

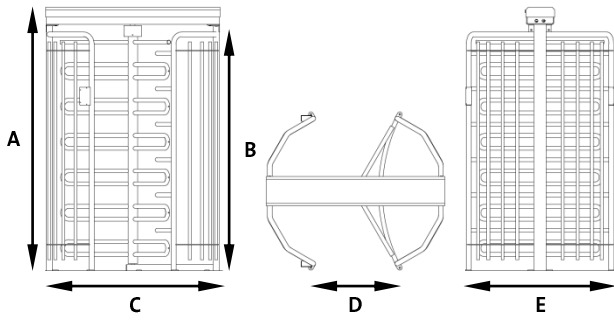
INDEX KEY

- | | |
|---|--|
| 1 Electro-mechanical head system | 5 Base bearing |
| 2 Top channel lockable lid | 6 Wiring entry points |
| 3 Mechanical key overrides | 7 13 floor and wall bolting points |
| 4 32mm Ø U-shape arms spaced 150mm apart | 8 Access control reader mounting position |

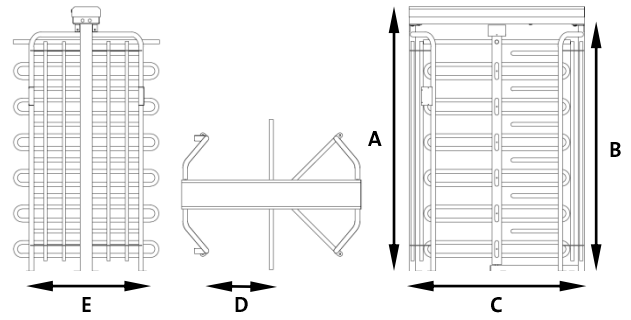


DIMENSIONS & WEIGHTS	ROTATECH FHS 90	ROTATECH FHS 120	ROTATECH FHD 90	ROTATECH FHD 120	ROTATECH FH MANTRAP
A: OVERALL HEIGHT	2125mm	2125mm	2125mm	2125mm	2130mm
B: HEIGHT CLEARANCE	1985mm	1985mm	1985mm	1985mm	1985mm
C: OVERALL WIDTH	1400mm	1400mm	2150mm	2150mm	1675mm
D: WALKWAY WIDTH	610mm	610mm	610mm	610mm	610mm
E: TOTAL LENGTH	970mm	1180mm	1185mm	1265mm	1170mm
NET WEIGHT	160kg	160kg	250kg	250kg	230kg

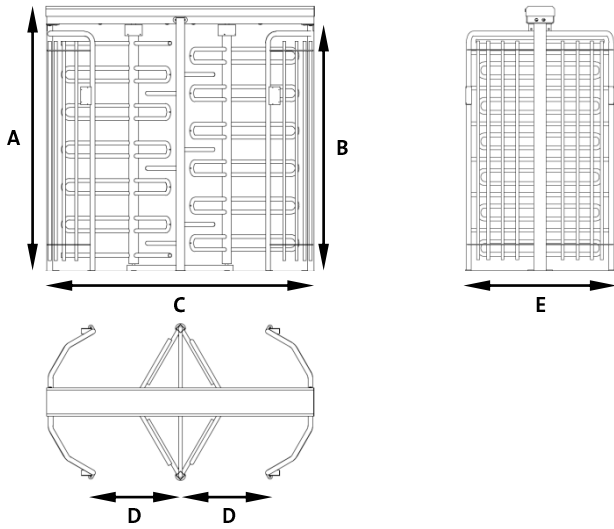
ROTATECH FHS 120



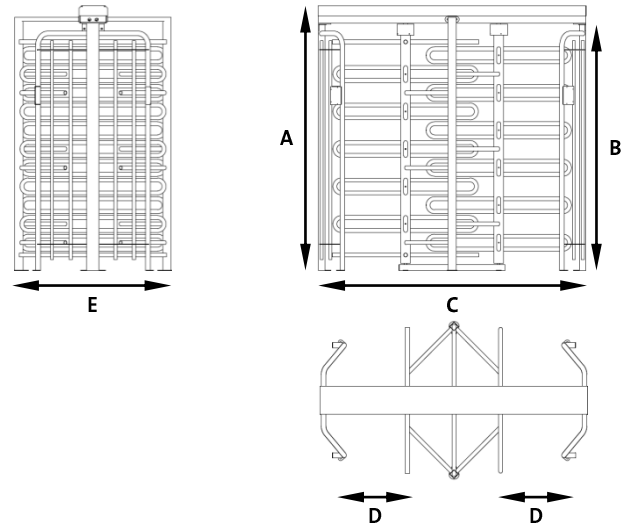
ROTATECH FHS 90



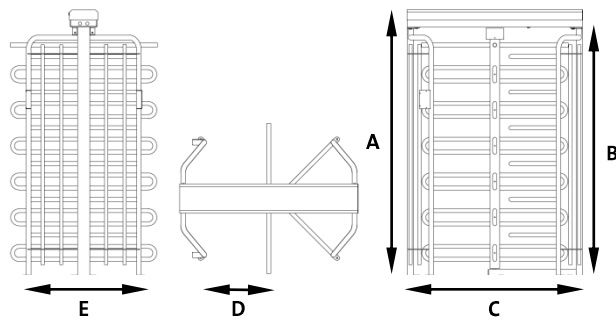
ROTATECH FHD 120



ROTATECH FHD 90



ROTATECH FH MANTRAP



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ALLTECH RELIABILITY

Picking the optimum entrance control solution is a process based on close cooperation with our customers – all the way from **needs analysis**, **production**, to **implementation** and **service**

From Analysis to Proposal

- Needs analysis forms the basis of a tailored proposal
- Specified for the overall solution and for individual areas of the site
- Fully compliant with all local regulations

Installation, Testing, Training

- Monitoring and implementing every installation
- Completion programme of functional reliability checks to ensure the equipment is safe
- Documenting each stage of the installation process
- Initiating start-up phase whilst focusing on training of relevant staff categories

Operation and Maintenance

- Initiating procedures for operation and maintenance
- Offering adequate Maintenance Plans or Service Level Agreements

With Alltech, a brand of the Gunnebo Security Group,
a safe and reliable entrance control system is ready for round-the-clock use.



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