

AutoSec ATSMML (Emergency Breakout Facility)
Motorised Security Revolving Door for Internal Installation

Technical Specification

Unit Dimensions	Outside Diameters:	2000 or 1830 or 1700mm
	Ceiling Height:	2100mm
	Cornice Height:	335mm
	Overall Unit Height:	2435mm
Drive:	Motorised	
Orientation:	Bi directional passage from both directions simultaneously.	
Materials:	Frame and Cornice:	Aluminium section powder coated Finished Silver RAL 9006
	Frame Glazing:	8.2mm 3 ply laminated safety glass
	Rotor Wings:	Aluminium frame, finished Silver RAL 9006, with 8.2mm 3 ply laminated safety glass.
	Ceiling:	Painted MDF finished White RAL 9010
Function:	Passage in both directions, electronically controllable.	
Method of Operation:	On receiving a signal from the access control system or push button, the door wings will rotate through 180°. Receipt of further authorised signals will continue uninterrupted rotation.	
2nd Quadrant Entry:	Should the authorised user not use the first available quadrant the AutoSec will allow valid entry through the next quadrant.	
Automatic Reversing:	To enforce both security and safety by rejecting potential unauthorised users and avoid entrapment.	
Anti Tailgating:	Prevents unauthorised passage from the opposite direction whilst a valid passage is being made in the other direction. This is achieved via 8N° sensoric sensors located in the ceiling that continuously monitor all four door quadrants.	
Anti Piggy Backing:	Prevents two or more people attempting to pass through the same door quadrant. For optimum security the APB system electronically helps recognise this scenario and rejects the conditions by stopping and reversing the door to reject the occupants.	
Tamper:	An output alarm is generated should any attempt be made to interfere physically with the operation of the door. (15 seconds accumulative time)	
Safety:	The door is fitted with adjustable torque sensing for the forward and reverse directions.	
Maglocks:	The wings are manufactured from Aluminium Section; each fitted with a 24-volt maglock.	
Power Failure:	The wings will rotate through 45° only to the crucifix position via an inbuilt battery back up (BBU), stop and become inactive. The door will remain in this position until power is restored. Standard BBU will energise the door wing maglocks for 15 minutes after which they will fail safe.	
Fire Alarm:	The door will rotate 45° only to the crucifix position, via a BBU, stop, become inactive and the maglocks fail safe. This will allow the Wings to be manually pushed open to effect an escape passage. The door will remain in this position until power is restored. (This is normally via a cornice mounted keyswitch). Before resetting the Wings need to be manually restored to the correct maglock locking position.	
	A normally closed (NC) signal is required from others to effect this state.	



Product Description

AutoSec, the premium security model in our Control range, combining high aesthetics with material choices.

It offers the highest possible level of personnel control, many security features and ease of use.

AutoSec is an essential door to create a secure yet impressive entrance to any building

Users include

- Government
- Banks
- Police HQ's
- Security Printers
- Finance
- Telecommunications
- Information Technology
- Petrochemical



- Interface:** Momentary Zero Volt (0V) normally open (NO) signal provided by either card reader or push button input of duration between 0.5 and 1.0 second.
- The AutoSec is controlled via a microprocessor that also offers card reader inhibits, reset, and passage confirmation as standard.
- Walkway Downlights:** 4N^o recessed low voltage halogen downlights are positioned within the ceiling over each quadrant.
- Servicing:** Via hatches in the walkway ceiling or from overhead. The controller should always be positioned on the secure side of the installation.
- Power Supply Voltage:** 115/230 VAC 50/60Hz
- Power Rating:** 1300 VA
- Logic Voltage:** 24vDC
- Installation Details:** The AutoSec is delivered in kit form, which may require lifting equipment to off load.
- Approximate Weight:** 600Kg

Models Available

AutoSec Motorised Security Revolving Door with Emergency Breakout Facility.

- Model ATS1700ML 1700 dia. footprint.
- Model ATS1830ML 1830 dia. footprint.
- Model ATS2000ML 2000 dia. footprint.

Accessories and Optional Extras

Access Control Facilities:

- Card reader mounting box
- Push button mounting box c/w push button
- Simple remote override console to control both, or either, entry and exit for visitor access.

Switchable Day / Night Mode:

- Day mode allows free access though the door from presence sensing via a non-security PIR detector. The door will rotate on an input from the sensor and continue as long as the person is detected. (No security)
- Night mode puts the door back into access control mode. (Full security)

Optional Finishes:

- Alternative finishes and colours
- 11.4mm 5 ply anti bandit glass
- Tinted glass

Status Lights:

- LED Red Cross and Green Arrow displays

Uninterrupted Power Supply:

- UPS is located remotely and will have the ability to keep the AutoSec operating continuously in its normal operating mode for a period of one hour after the mains power has failed.

Floor Mat:

- Dimpled rubber with a straight threshold strip between the uprights

Night Shutter:

- Either solid or glazed manually operated to close and lock the exposed quadrant during night time hours

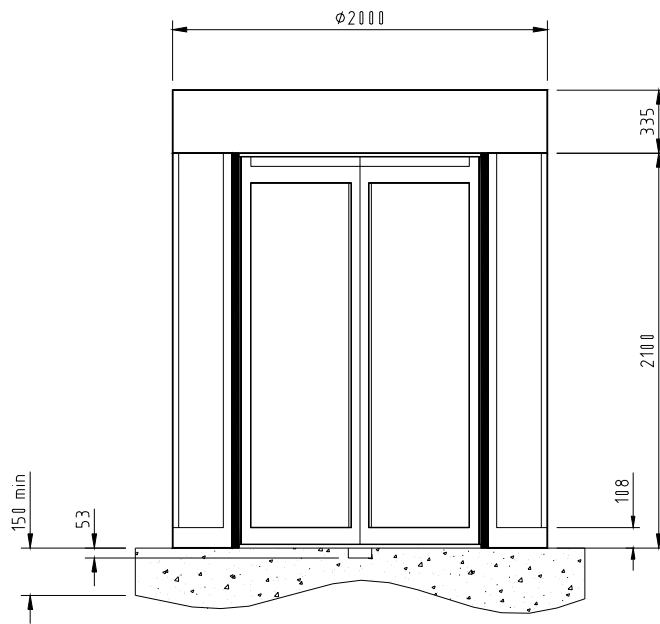
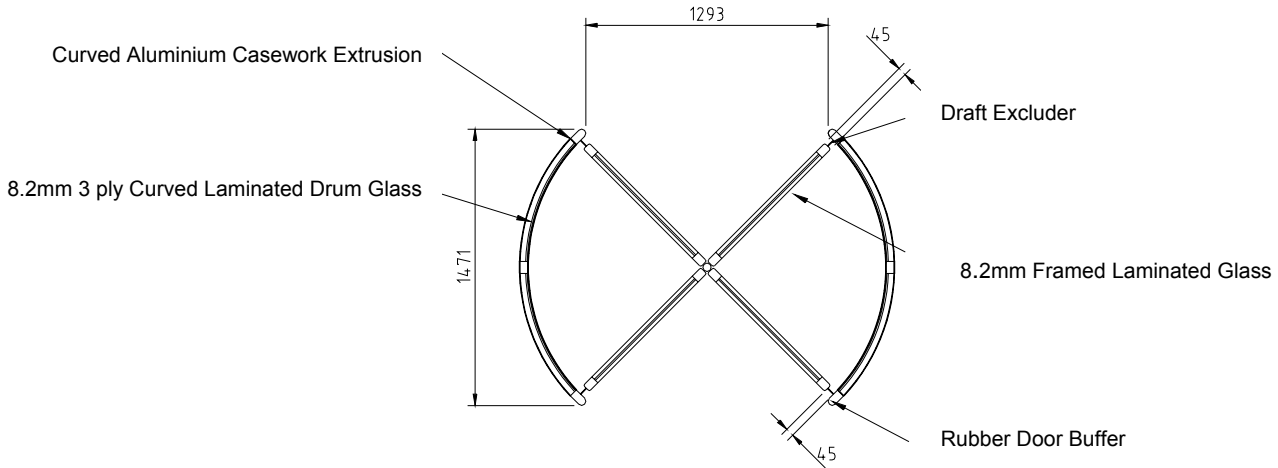
Increased Cornice:

- The height of the cornice can be extended to fill a gap above the door.

Installation Examples

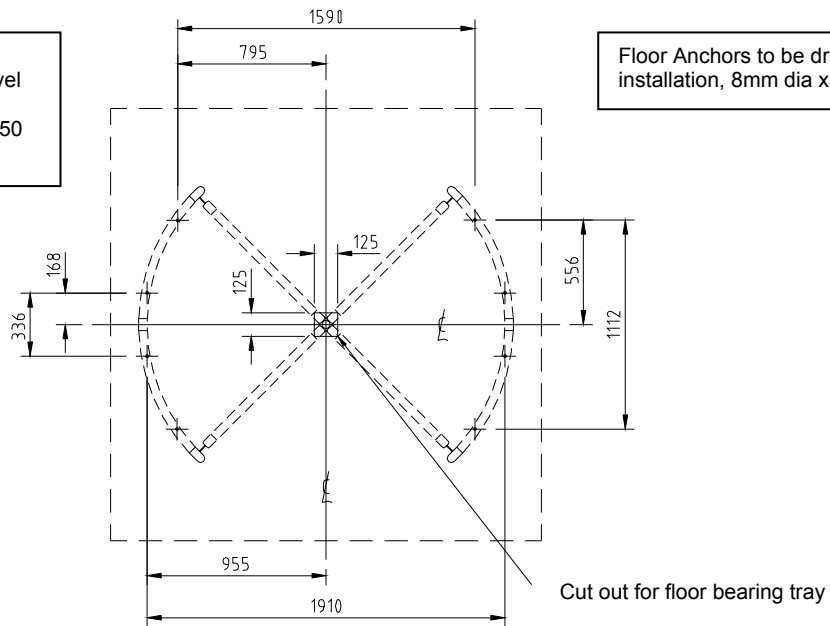


Site Preparation ATS2000ML



Concrete Base to BS 5328:1997 specification. Base to be flat and level to +/- 5mm over footprint area. Dimensions to be > 2300 x 2300 x 150 deep min.

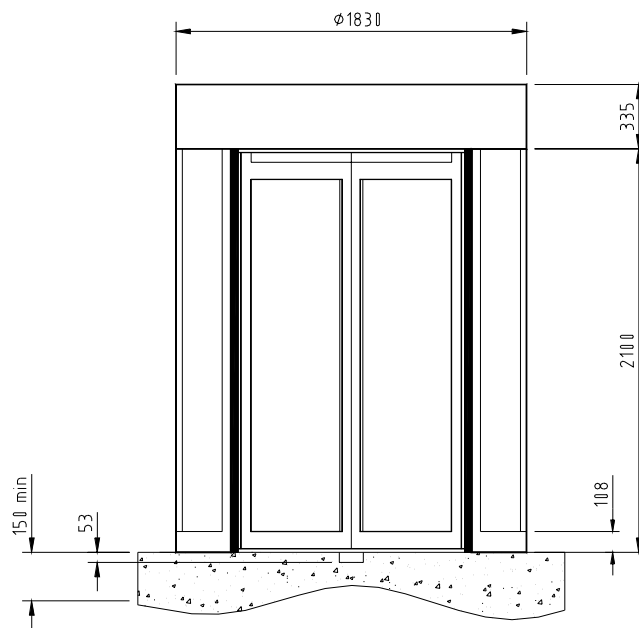
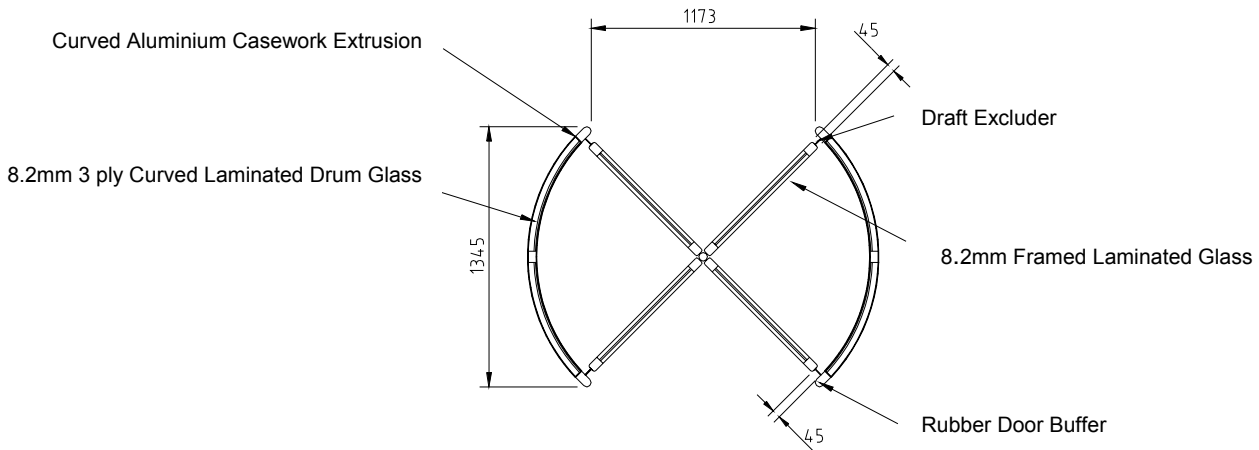
Floor Anchors to be drilled during installation, 8mm dia x 50mm deep.



IMPORTANT

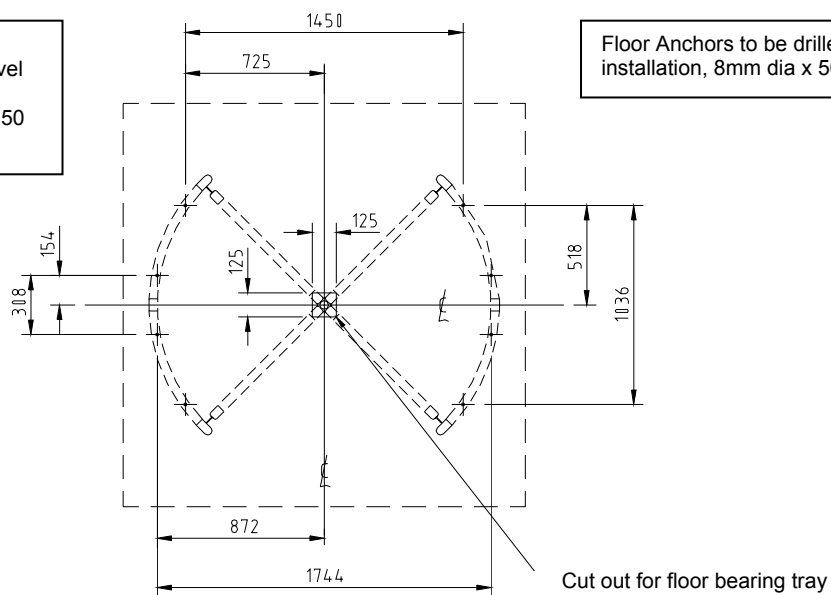
- Any horizontal pipe or conduit runs below the AutoSec must be at least 140mm below FFL.
- It is the customer's responsibility to ensure the structural integrity and strength of the installation

Site Preparation ATS1830ML



Concrete Base to BS 5328:1997 specification. Base to be flat and level to +/- 5mm over footprint area. Dimensions to be > 2100 x 2100 x 150 deep min.

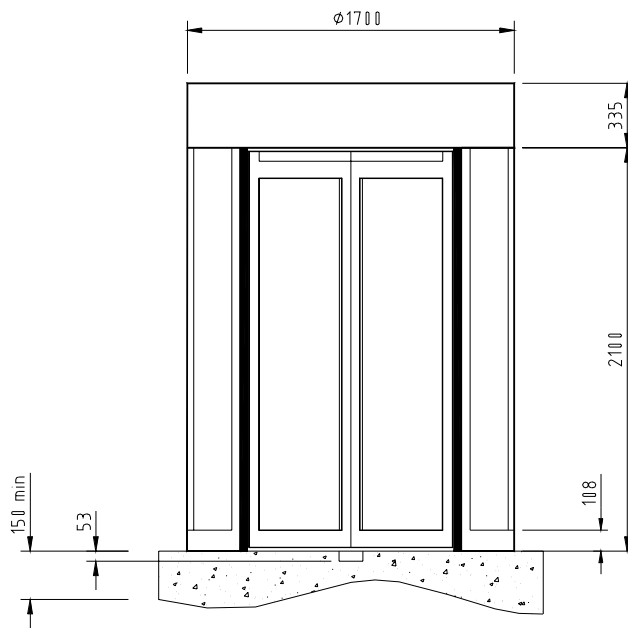
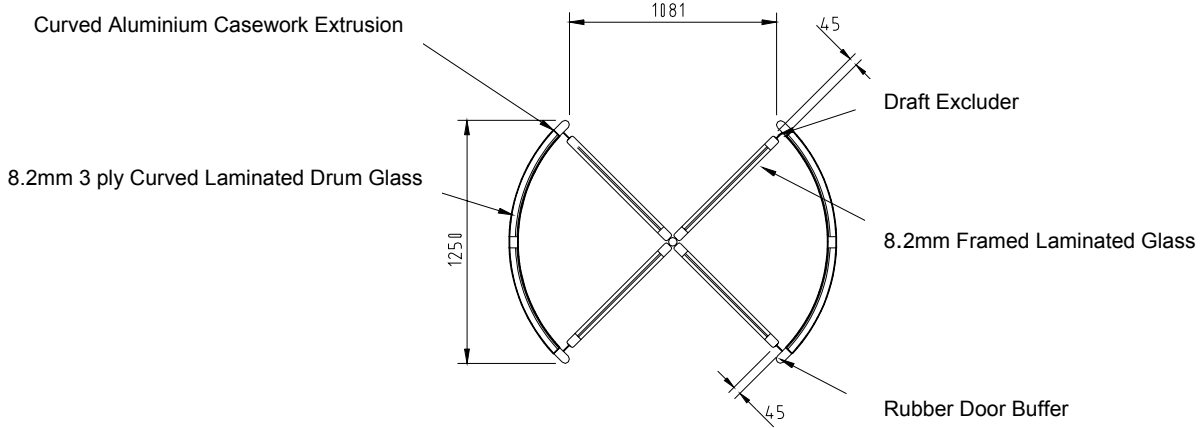
Floor Anchors to be drilled during installation, 8mm dia x 50mm deep.



IMPORTANT

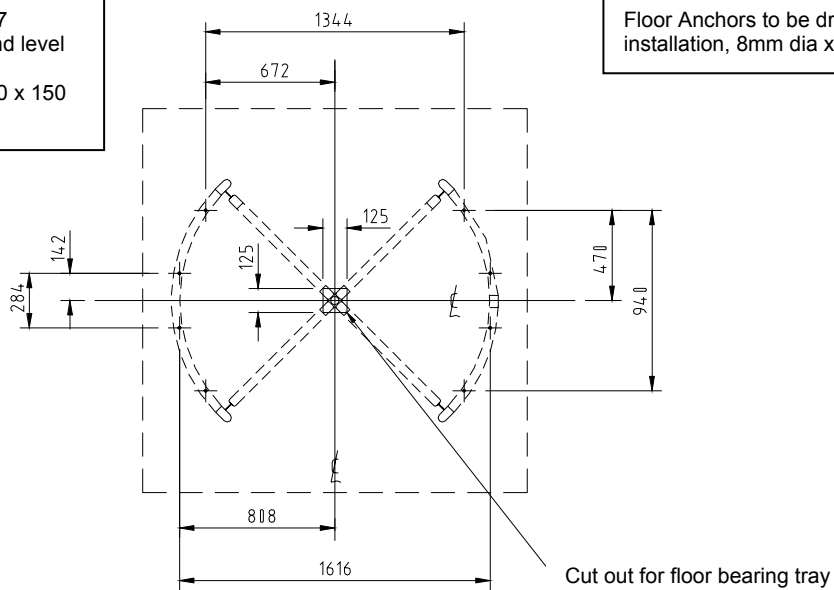
- Any horizontal pipe or conduit runs below the AutoSec must be at least 140mm below FFL.
- It is the customer's responsibility to ensure the structural integrity and strength of the installation

Site Preparation ATS1700ML



Concrete Base to BS 5328:1997 specification. Base to be flat and level to +/- 5mm over footprint area. Dimensions to be > 2000 x 2000 x 150 deep min.

Floor Anchors to be drilled during installation, 8mm dia x 50mm deep.

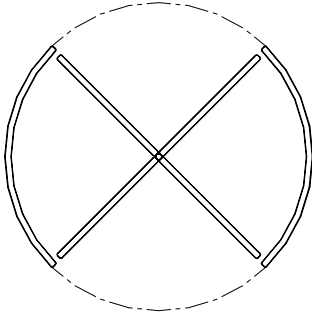


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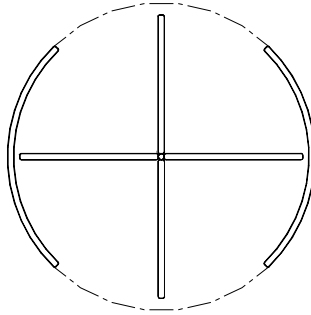
- Any horizontal pipe or conduit runs below the AutoSec must be at least 140mm below FFL.
- It is the customer's responsibility to ensure the structural integrity and strength of the installation

Emergency Maglock Function

Normal Operation Mode

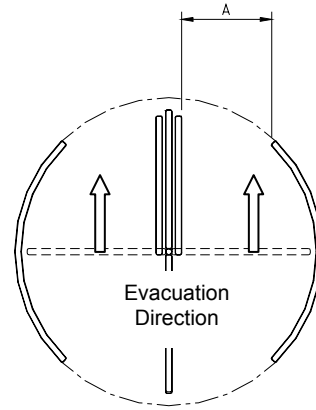


Emergency Condition 1



Upon receipt of an emergency signal the door will automatically rotate 45° to the crucifix position.

Emergency Condition 2



When fully in the crucifix position the maglocks holding the door wings will release allowing the doors to be manually pushed open.

ATS2000ML A = 550mm
 ATS1830ML A = 495mm
 ATS1700ML A = 445mm



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Note: In pursuit of its policy of continuous refinement and improvement, Gunnebo Mayor Ltd. reserves the right to modify design and details.

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