



METAXDOOR GRA Grand Automatic Revolving Door



Revolving Doors



Sliding Doors



Swing Doors





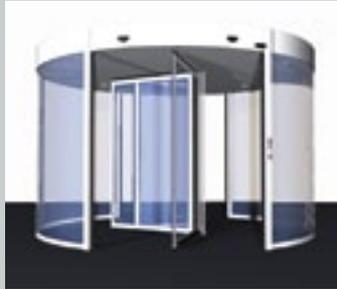
3-Leaf, Triangle-Showcase Grand Revolving Door



4-Leaf, Square-Showcase Grand Revolving Door



3 or 4-Leaf, Flat-Showcase Grand Revolving Door



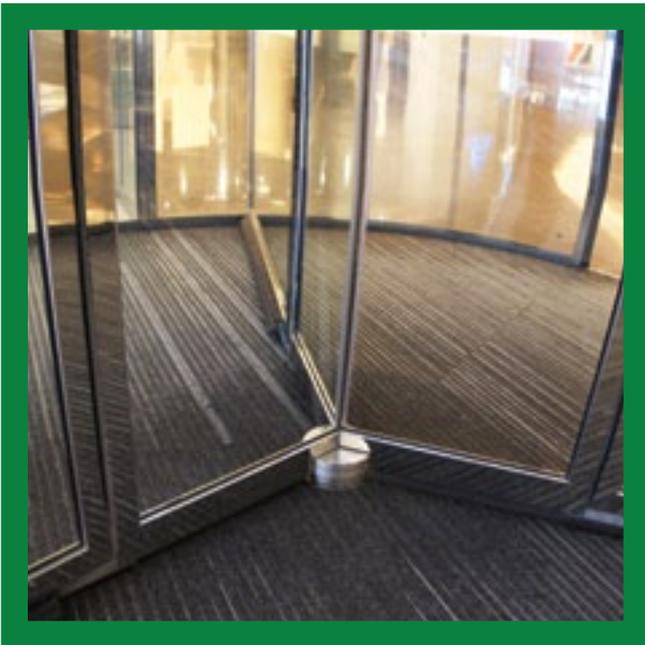
Bookfold Mechanism



Night Shield

*You Dream,
We Build*

When passage traffic is so high for standard doors to handle, **Metaxdoor GRA** automatic revolving doors are used. Along with virtually unlimited passage capacity it does not compromise on the advantages of standard revolving doors.



METAXDOOR GRA is designed specially for entrances with high pedestrian traffic.

METAXDOOR GRA series give you the opportunity to have a wide passage on high traffic along with aesthetic and distinguished look.

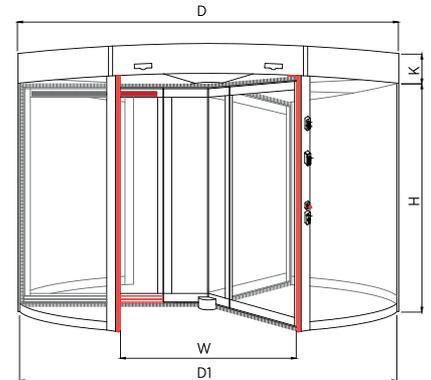
You get high and reliable performance, maximum isolation, smooth entrance and even create special ornamental differences.





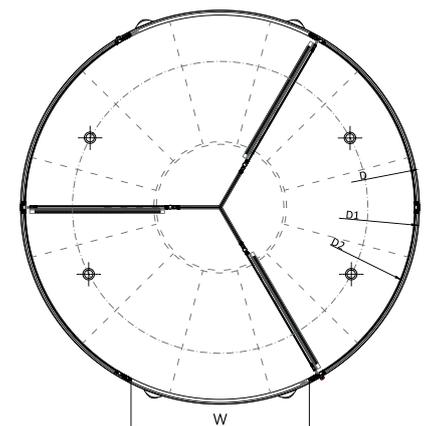
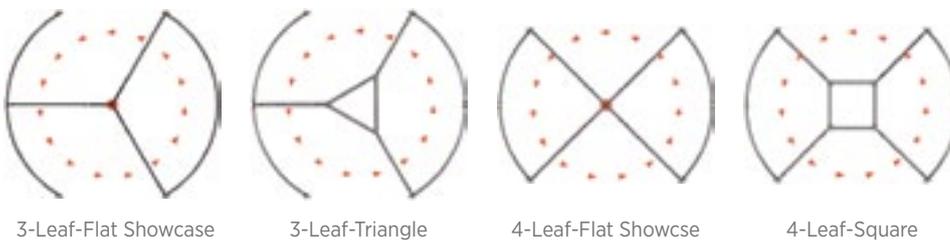
D	D1	D2	W/3	W/4	G	K
3600	3566	3506	1690	2440	2100-2400	250-1000
3800	3766	3706	1730	2540	2100-2400	250-1000
4000	3966	3906	1830	2680	2100-2400	250-1000
4200	4166	4106	1930	2820	2100-2400	250-1000
4400	4366	4306	2030	3960	2100-2400	250-1000
4600	4566	4506	2130	3100	2100-2400	250-1000
4800	4766	4706	2230	3240	2100-2400	250-1000
5000	4966	4906	2330	3380	2100-2400	250-1000
5200	5166	5106	2430	3520	2100-2400	250-1000
5400	5366	5306	2530	3660	2100-2400	250-1000
5600	5566	5506	2630	3800	2100-2400	250-1000

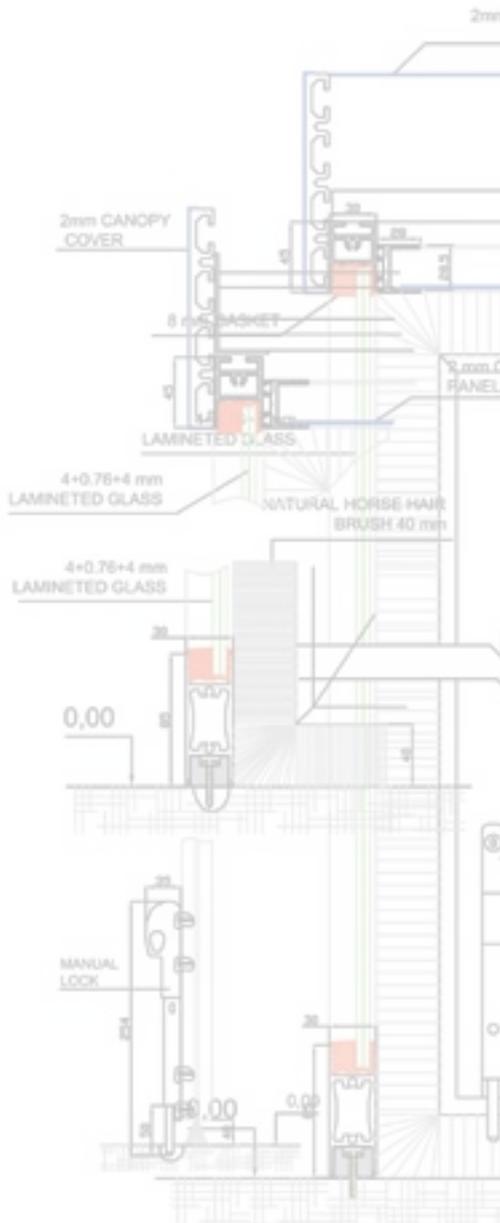
* Dimensions are in millimeters.
 ** Special dimensions are available upon request.
 *** Dimensions are for information purposes only and are subject to change upon static requirements.



D: Outer Canopy Diameter
 D1: Outer Ground Diameter
 D2: Inner Diameter
 W: Passage Width
 H: Passage Height
 K: Canopy Height

Gra Automatic Revolving Door Showcase

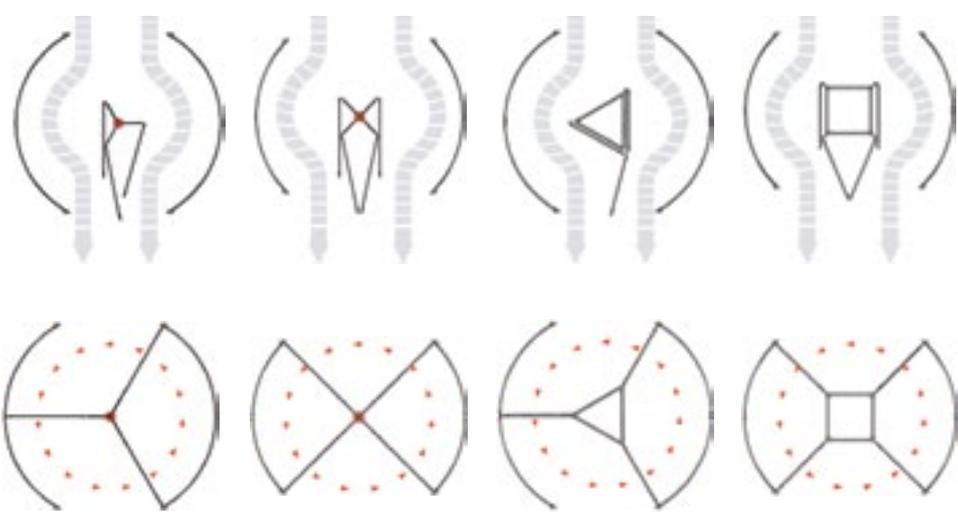




Technical Specifications	
Supply	220 V AC / 50-60 Hz
Motor	UniMASTER AC Motor
Ambient Temperature	-20 °C - +55 °C
Fixed Curved Glasses	Standard 4 + 4 Laminated Glasses
Side Wall Cladding	Optional
Leaf Glasses	Standard 8 mm Tempered Glasses
Door Handles	Vertical or Horizontal Stainless Steel Door Handles
Showcase	Triangle, Flat or Square Showcase
Speed Control	Standard
Disabled Passage System	Standard
Lighting	Energy Saving Spot Light
Locking	Electromagnetic Motor Lock
Hand Edge Safety	Standard
Heel Safety	Standard
Extra Safety Package	Optional
Anodized Finish	Standard
Electrostatic Powder Coating	Standard
Stainless Steel Cladding	Optional
Floor Mat	Optional
Floor Ring	Optional
Waterproof Ceiling	Optional
Night Shield	Optional
Espagnolette Lock	Optional
Breakout Mechanism	Optional
Push&Go System	Standard
Microwave Radar	Standard
Summer Mode	Standard
Underground Mechanism	Optional
Continuous Slow Mode	Standard
Night Mode	Standard
Circular Air Curtain	Optional

* Contact for special requests upon project basis.
 ** Some specifications are not available for static requirements.
 *** Bookfold mechanism is not available for underground mechanism.
 **** Contact for detailed information.

Bookfold Mechanism Execution Pattern



3-Leaf, Flat-Showcase Grand Revolving Door 4-Leaf, Flat-Showcase Grand Revolving Door 3-Leaf, Triangle-Showcase Grand Revolving Door 4-Leaf, Square-Showcase Grand Revolving Door

Bookfold Mechanism (break-out)

Bookfold mechanism can be applied to automatic revolving doors. This system which can be applied to both 3 or 4 leaf versions makes the leaves to book fold in case enough power is applied to the leaf. This system, also known as break-out system, is activated by pushing the door leaves hard in case of an emergency. The leaves then fold around the central shaft, leaving a clear and empty passage to outside. Bookfold mechanism works as described on the below.

When the mechanism is activated and the leaves bookfold around the shaft, sensors on the leaf axle sense the movement; once this movement is sensed the motor stops immediately and the rotation halts. Door continues its normal movement when the leaves are retrieved to the original position.

This system provides rapid evacuation of the building. Besides, this can also be used in day time upon demand to enable manual usage of the door. This is a function preferred especially in shopping malls, hospitals, etc.



Activation

Metaxdoor revolving doors provide users with a wide range of activation alternatives.

Various activation options such as radar, code panel, card reader, touchless sensor switch, elbow button, fingerprint reader, remote control, etc. are manufactured to work compatible with the system. These options provide you with an entrance control free of problems.



Disabled Passage

Disabled passage system consists of a button and the systems connected to this button. When the system is activated, rotation speed of the leaves decreases so that an easier and smoother access can be provided for disabled or elderly people.

This system can be applied on the fixed drums as a standard feature and it also can be applied according to the buildings' architectural design optionally. Also break-out system which is called bookfold mechanism can be applied to the door on demand.



Safety Package

Metaxdoor revolving door systems provide you with complete protection against any and all incidents by the flawless safety system they possess.

With the vertical safety edges placed on the rotating direction of the moving leaves and the vertical scanner sensors which are placed on the canopy and positioned as the rotation direction of the leaves; any kind of jam between the leaves and the fixed frames are out of question.

Inside the door there are horizontal safety edges placed under the leaves to the rotation direction. These safety edges stop the door with the slightest contact and prevent people inside the door from getting harmed. The curtain safety sensors can be installed inside the door depending upon project requirements. These systems are positioned on top of the leaves, on the rotation direction and scan area of leaves' movement. These sensors stop the door if any object is on the leaves' way before the object makes contact with the leaf.



Glasses

As standard; 4+4mm curved laminated glasses are used on fixed drums and 8 mm tempered glasses are used on the moving leaves. 5+5 mm curved laminated and 10 mm tempered glasses can also be used upon demand. Providing these qualities and dimensions; any kind of color and colored reflected glasses can be used as options on the system. Glasses are protected from outside effects by glass seals.



Mechanism

Metaxdoor revolving door systems' canopies are manufactured as modular; made of only aluminium alloy and without any kind of welding.

Motor and controller units are designed specially for revolving door systems, within our research and development facilities and in cooperation with top European companies. These systems are manufactured to far exceed your expectations.

Emergency System

Metaxdoor revolving doors have an emergency stop system. It consists of a button and



system connected to this button. In case of an emergency when this button is pushed the door stops immediately. Automatic versions can be used as manual with this system. In some cases, this is a preferred system as it provides the user with the flexibility of using the door both automatic and manual.

Leaves

Everything is assembled seamlessly and smoothly by the unique designed frame profiles and natural horse hair brushes surrounding the frame in the leaves of Metaxdoor revolving door systems. With this harmony; air, dust and noise insulation is maximized. The unique design used in the profiles provides Metaxdoor revolving door systems with toughness along with an extremely chic look.

PLC CONTROL

01



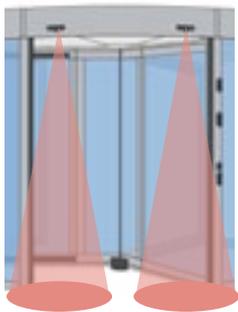
Air Curtain

02



Radar

03



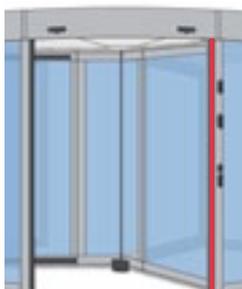
Optical Safety Sensor

04



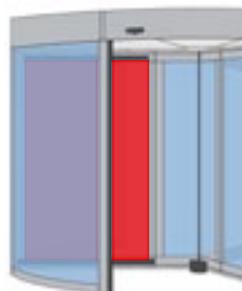
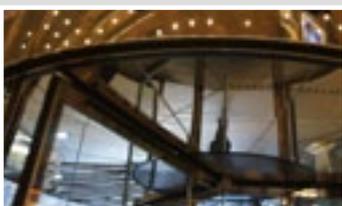
Hand Safety Edge

05



Curtain Safety Sensor

06



01

02

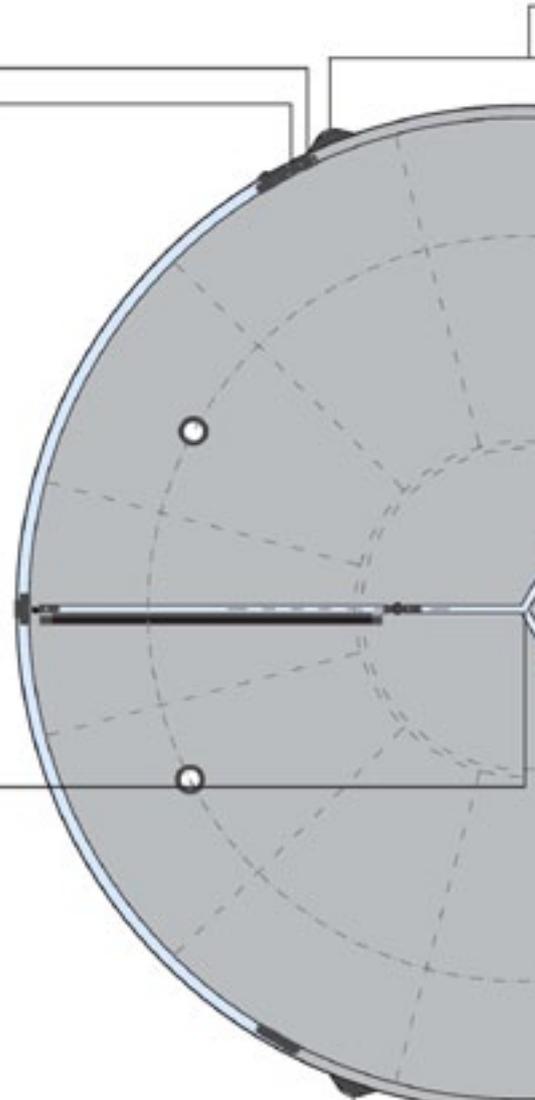
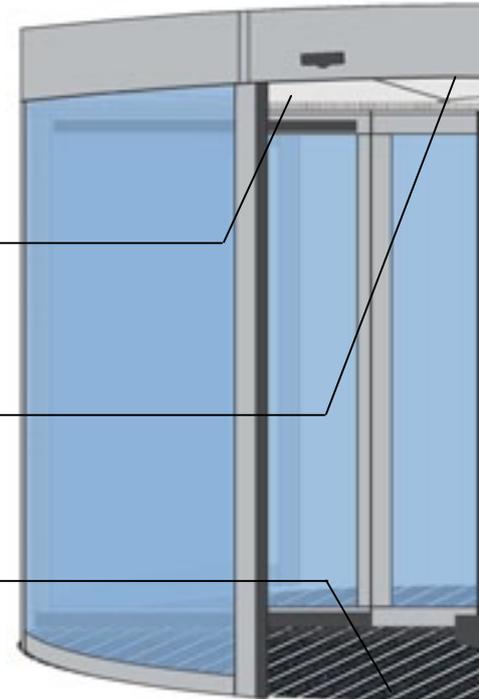
07

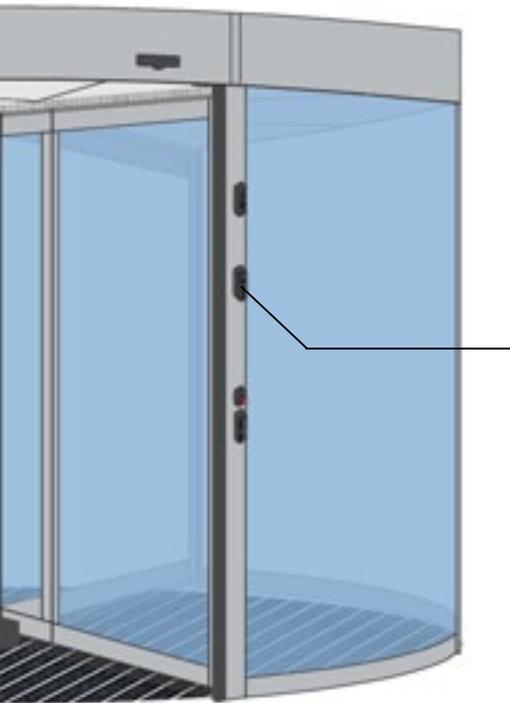
04

05

08

03





Ethernet Switch



Position Switch



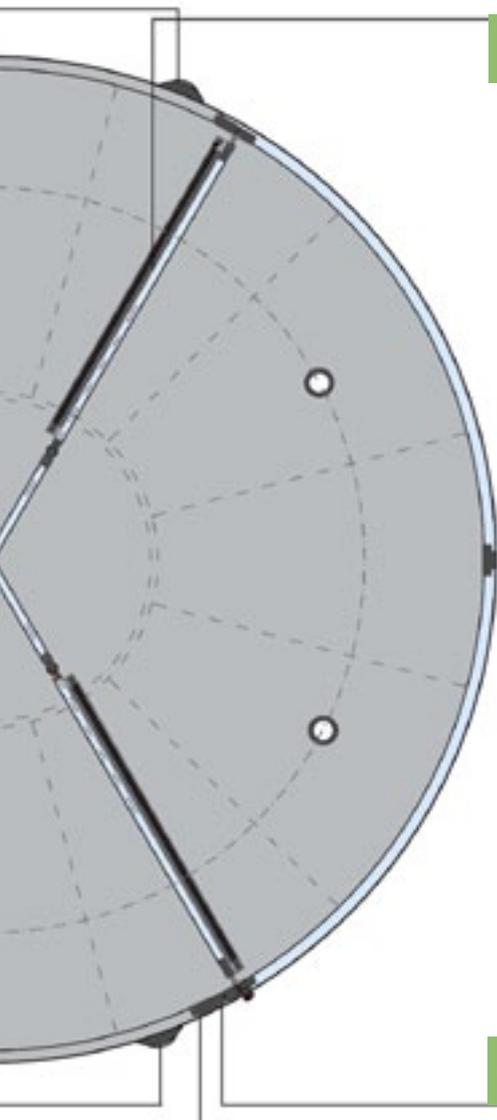
Emergency Button



Disabled Access and Spot On/Off

03

06



05

04

Floor Mat

07



Showcase and Safety Sensor

08



STANDARDS

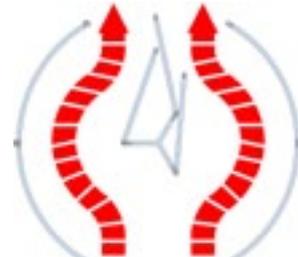
DIN 18650-1:2010	BS 7036-1:1996
DIN 18650-2:2010	BS 7036-5:1996
EN ISO 13849-1:2008	EN 16005:2012
EN 60335-1:2012	



3 Leaf Flat Showcase



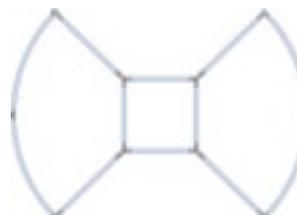
3 Leaf Triangle Showcase



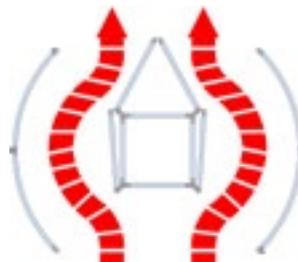
3 Leaf Breakout



4 Leaf Flat Showcase



4 Leaf Square Showcase



4 Leaf Breakout

Safety instructions



Do not push the wings



Do not run through the revolving door



Do not play in the revolving door



Please assist those less able such as the elderly

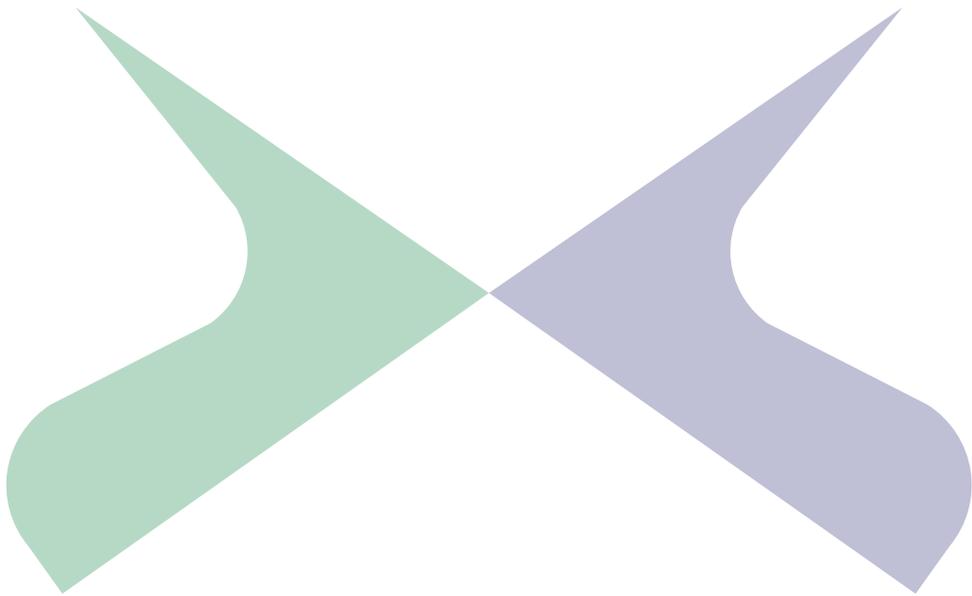


Children should not be left unsupervised when using doors

NOTES

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