

REVOLVING DOORS

TSA 355
TSA 395

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Revolving door systems

FOCAL POINT OF THE ENTRANCE AREA

The entrance area is the face of a building and thus of a company. GEZE revolving doors fulfil these requirements and inspire planners, operators and users of buildings. They offer unlimited creative freedom and a wide choice of materials and colours. Revolving doors protect against draughts and allow the entrance area to be used for commercial purposes. They offer cost benefits and are versatile, e.g. in commercial buildings, public buildings, shopping centres, hotels, administrative buildings, car dealerships, airports and railway stations. GEZE offers customised solutions for every project.

ADVANTAGES FOR PLANNERS AND BUILDING OWNERS

- Creative freedom and building-specific customised planning with a range of optional features
- Commercial use of the entrance area for shops, offices, showrooms and reception desk
- Harmonious visual appearance of the façade and inner area
- Prestigious entrance with outstanding appearance
- Improvement of the energy balance of the building
- Economical solution thanks to the high degree of prefabrication ex works

ADVANTAGES FOR USERS

- Flawless and smooth operation of the door system even with high footfall
- Simple setting of the desired mode of operation
- Effective protection against noise, dust and dirt
- Protection from draughts

ADVANTAGES FOR INSTALLATION ENGINEERS

- Flexible, modular system
- Easy installation thanks to the high degree of prefabrication ex works
- Pre-defined and programmed control technology for fast commissioning
- Door system and safety devices comply with current standards and regulations

OUR REVOLVING DOOR SYSTEMS

- **TSA 355**
  Automatic revolving door system for three- or four-leaf doors
- **TSA 395**
  Automatic revolving door system for three-leaf doors with large diameters

TSA 355



Automatic revolving door system for three- or four-leaf doors

AREAS OF APPLICATION

- Three- and four-leaf door systems
- Interior and exterior doors with high access frequency
- Prestigious building entrances with major light incidence
- Façades with narrow mullion-transom constructions
- Diameters from 1740 to 3940 mm possible

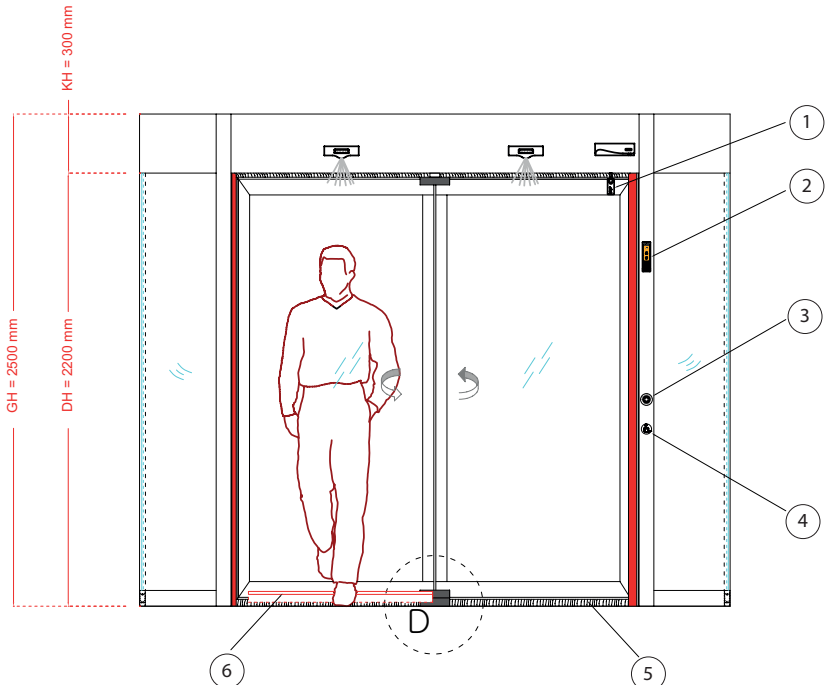
PRODUCT FEATURES

- Customised selection of diameter, passage height and surfaces
- Extensive equipment options
- Robust and proven drive technology for doors up to 4000 mm in diameter
- Easy installation of the door system without lifting tools
- Fast commissioning thanks to pre-wired and configured sensors
- Certification in accordance with EN 16005

TECHNICAL DATA	TSA 355
Operation fully automatic	Yes
Suitability for escape and rescue routes	Yes
Break-out function (BO)	Yes
Inner diameter (min.)	1740 mm
Inner diameter (max.)	3940 mm
For 3-leaf door systems	Yes
For 4-leaf door systems	Yes
Clear passage height	3000 mm
Canopy height (min.)	300 mm
Side panel version	8 mm LSG
Roof construction	optical sheet covering, waterproof roof with waterspout
Lighting	for variant with roof, according to the customer's request
Floor covering	Entrance mat, floor mat, according to the customer's request
Hot-air curtain system	Hot water air curtain, electric air curtain possible depending on the ceiling construction
Night-time closer layout	Exterior
Night-time closer type	Manual
Night-time closer design	8 mm LSG
Locking mechanism	Manual
Door handles horizontal or vertical	Yes
Floor ring	Yes
Push pad	Yes
Standard conformity	EN 16005

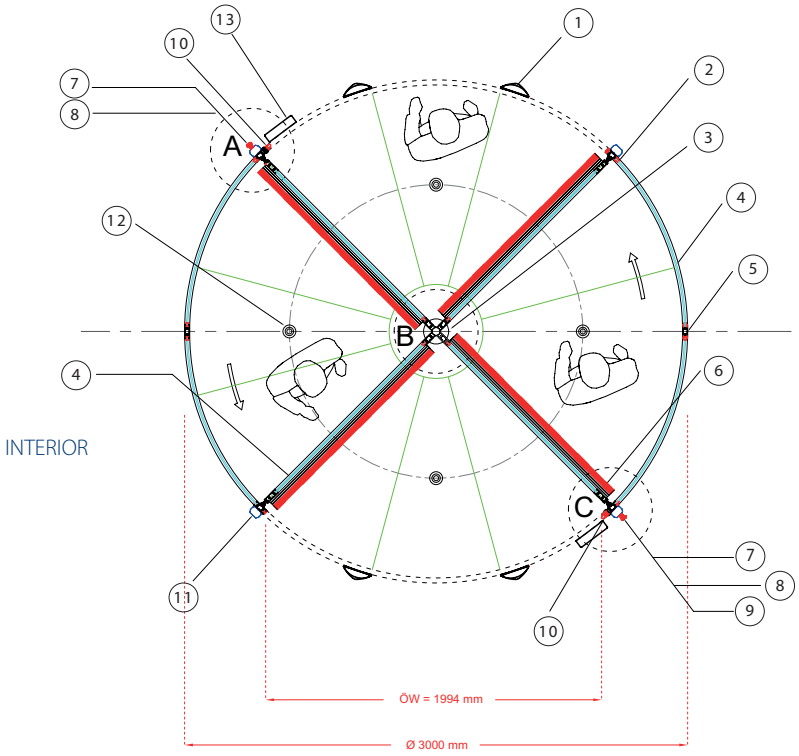
TECHNICAL INFORMATION FOUR-LEAF VARIANT

FRONT VIEW



1 = Manual locking mechanism I 2 = Control unit/programme switch I 3 = Emergency stop switch I 4 = Push pad I GH = Overall height I DH = Passage height I KH = Canopy height

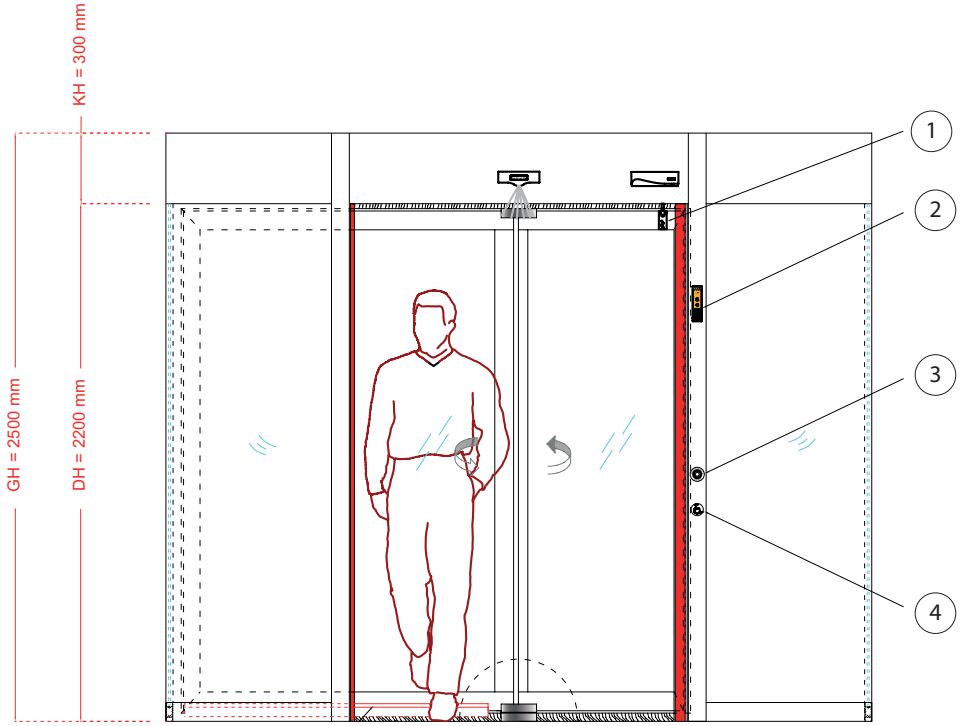
TOP VIEW



1 = Radar movement detector I 2 = Glass seal I 3 = Central swivelling axis I 4 = 8 mm LSG I 5 = 80 x 30 mm aluminium profile I 6 = Heel protection I 7 = Emergency stop switch I 8 = Push pad I 9 = Control unit/programme switch I 10 = Mullion safety I 11 = Mullion attachment profile I
12 = 10 W LED I 13 = Mullion safety sensor I ÖW = Opening width

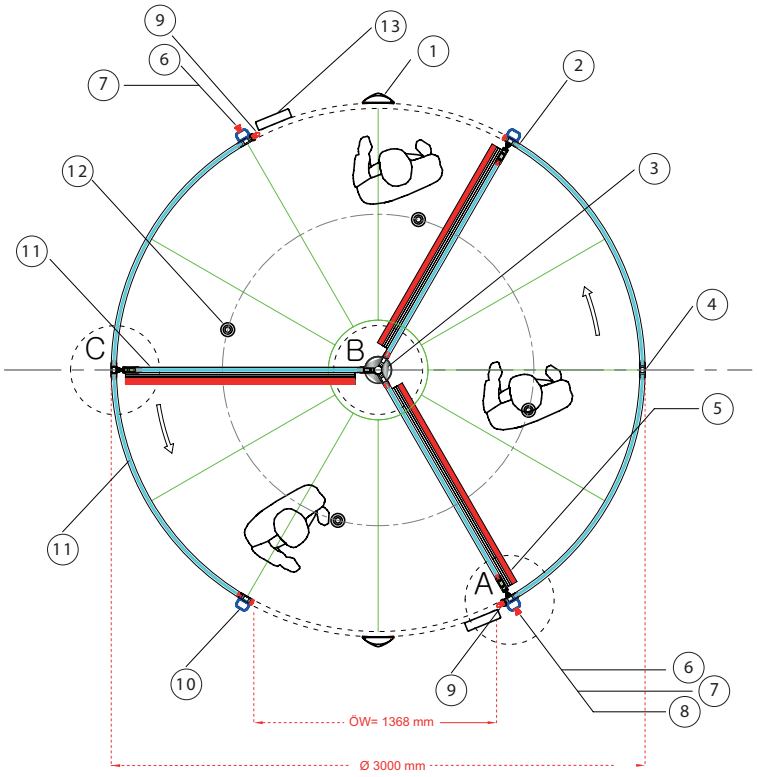
TECHNICAL INFORMATION THREE-LEAF VARIANT

FRONT VIEW



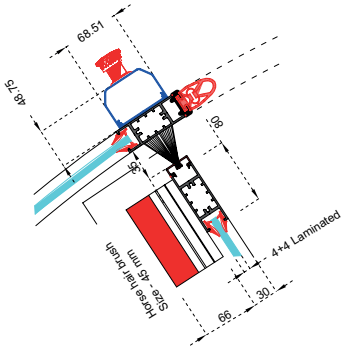
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TOP VIEW

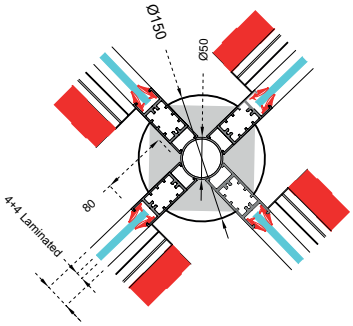


1 = Radar movement detector I 2 = Glass seal I 3 = Central swivelling axis I 4 = 80 x 30 mm aluminium profile I 5 = Heel protection I 6 = Emergency stop switch I 7 = Push pad I 8 = Control panel I 9 = Mullion safety I 10 = Mullion attachment profile I 11 = 10 mm LSG I 12 = 10 W LED I 13 = Mullion safety sensor I ÖW = Opening width

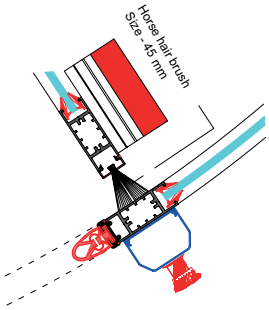
DETAILS FOUR-LEAF VARIANT



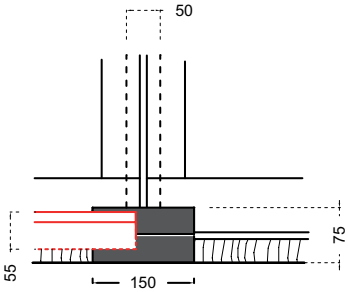
DETAIL A



DETAIL B

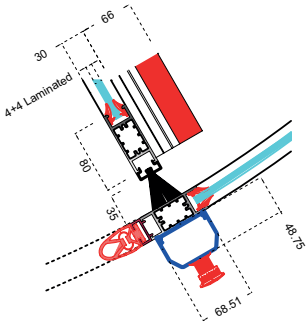


DETAIL B

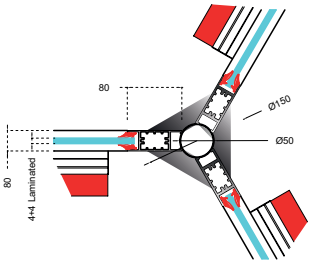


DETAIL B

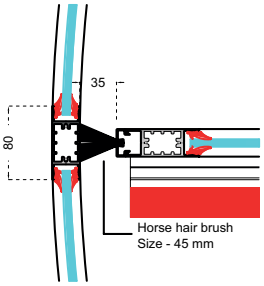
DETAILS THREE-LEAF VARIANT



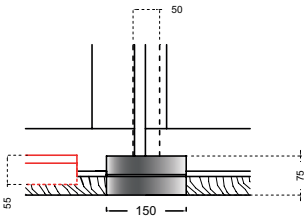
DETAIL A



DETAIL B



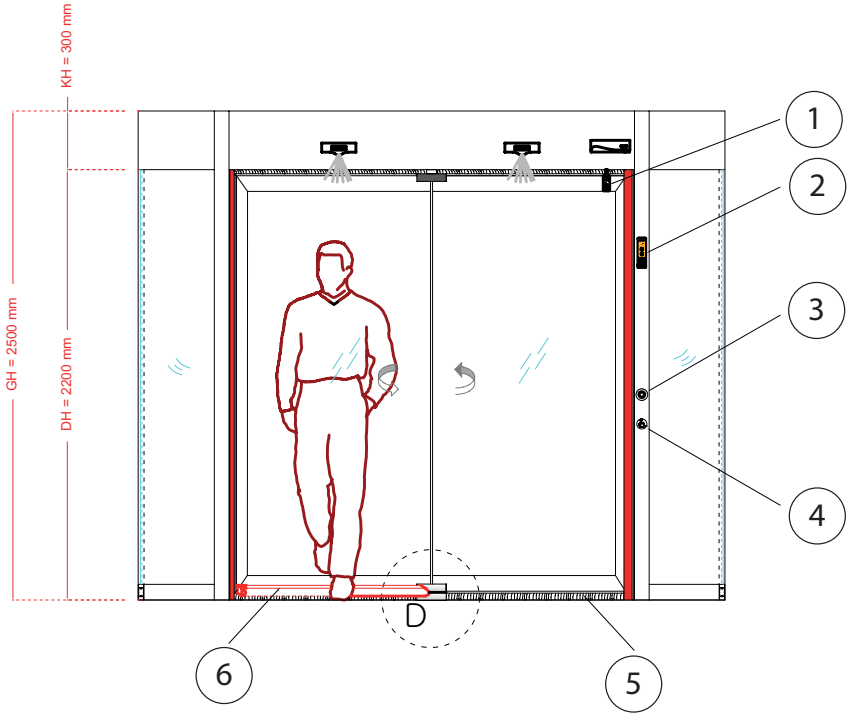
DETAIL B



DETAIL B

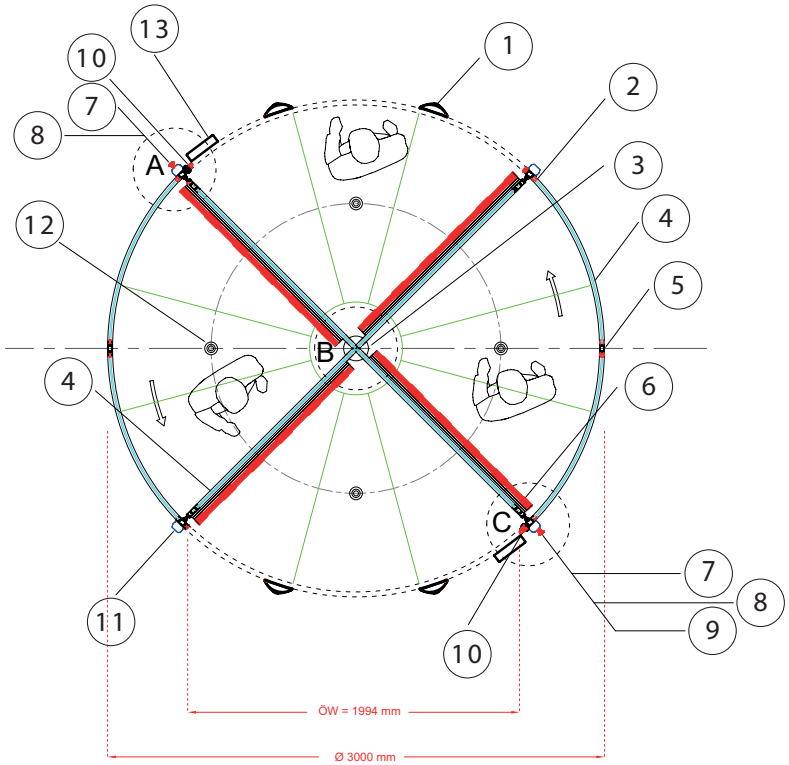
TECHNICAL INFORMATION VARIANT WITHOUT CENTRAL COLUMN

FRONT VIEW



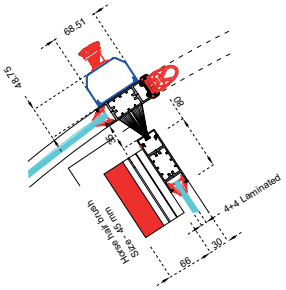
1 = Manual locking mechanism I 2 = Control unit/programme switch I 3 = Emergency stop switch I 4 = Push pad I 5 = Brush I 6 = Heel protection I GH = Overall height I DH = Passage height I KH = Canopy height

TOP VIEW

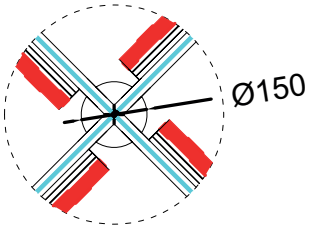


1 = Radar movement detector I 2 = Glass seal I 3 = Central swivelling axis I 4 = 8 mm LSG I 5 = 80 x 30 mm aluminium profile I 6 = Heel protection I 7 = Emergency stop switch I 8 = Push pad I 9 = Control panel I 10 = Mullion safety I 11 = Mullion attachment profile I 12 = 10 W LED I 13 = Mullion safety sensor I ÖW = Opening width

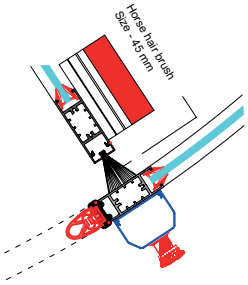
DETAILS VARIANT WITHOUT CENTRAL COLUMN



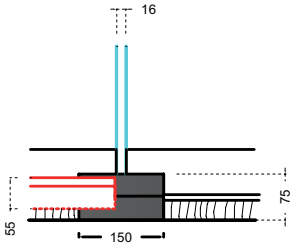
DETAIL A



DETAIL B



DETAIL B



DETAIL B

DIMENSIONS

3–leaf revolving doors						
Outer diameter	Inner diameter	Leaf width	Passage width	Segment area in m²	Maximum number of people *	Capacity/ minute **
1800	1740	840	768	0.80	1	8
2000	1940	940	860	1.00		
2200	2140	1040	960	1.25		
2400	2340	1140	1060	1.50	2	15
2600	2540	1240	1160	1.75	3	23
2800	2740	1340	1260	2.00		
3000	2940	1440	1360	2.35	4	30
3200	3140	1540	1460	2.65		
3400	3340	1640	1560	3.00	5	38
3600	3540	1740	1660	3.40	6	44
3800	3740	1840	1760	3.75		
4000	3940	1940	1857	4.10		

All measures in mm

* Specifies the number of people who can be in one segment during typical use.

** Specifies the maximum number of people that can pass in one direction per minute.

4–leaf revolving doors						
Outer diameter	Inner diameter	Leaf width	Passage width	Segment area in m²	Maximum number of people *	Capacity/ minute **
1800	1740	840	1155	0.65	1	10
2000	1940	940	1360	0.75		
2200	2140	1040	1500	0.95		
2400	2340	1140	1640	1.10	2	20
2600	2540	1240	1780	1.30		
2800	2740	1340	1920	1.50	3	30
3000	2940	1440	2060	1.75		
3200	3140	1540	2200	1.95		
3400	3340	1640	2340	2.25	4	40
3600	3540	1740	2480	2.55		
3800	3740	1840	2620	2.80	5	50
4000	3940	1940	2687	3.05		

All measures in mm

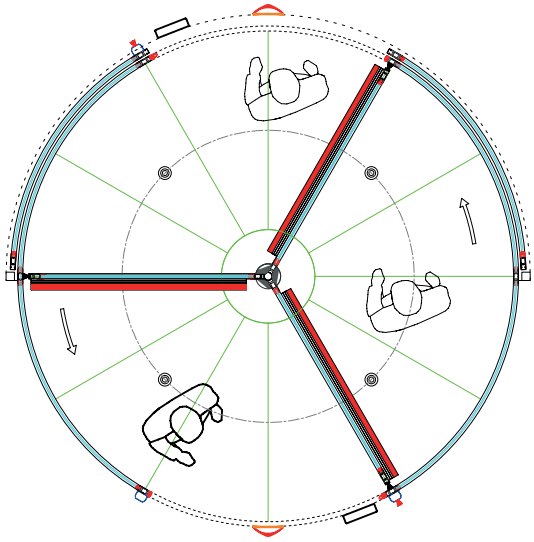
* Specifies the number of people who can be in one segment during typical use.

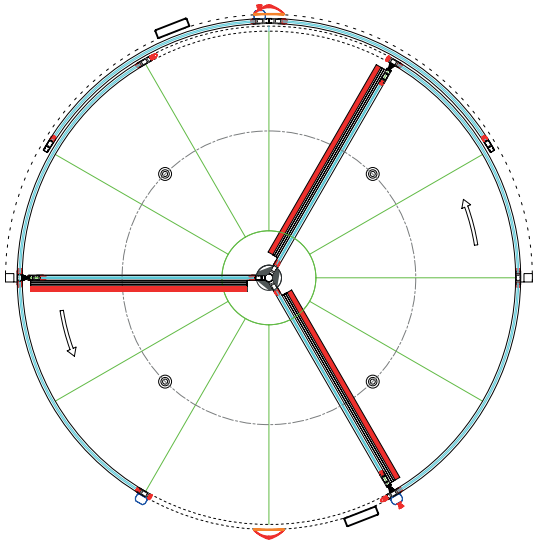
** Specifies the maximum number of people that can pass in one direction per minute.

Different dimensions and equipment options available are available on request

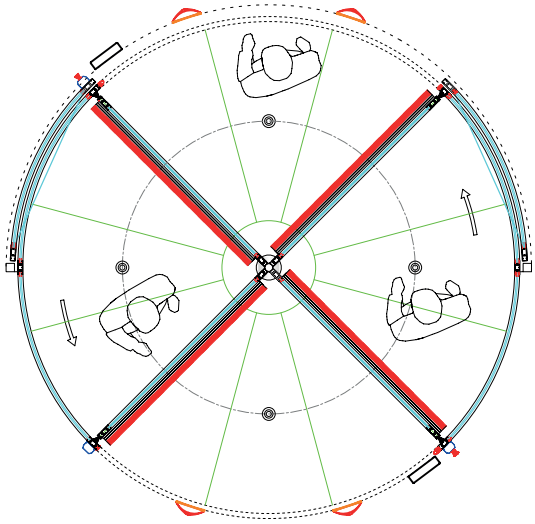
NIGHT-TIME CLOSER

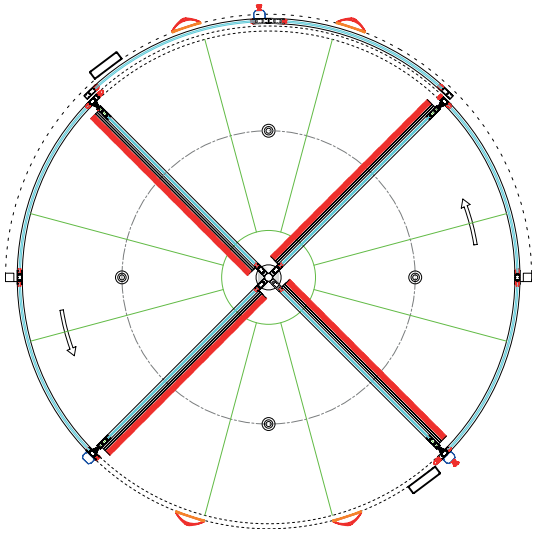
THREE-LEAF VARIANT





FOUR-LEAF VARIANT

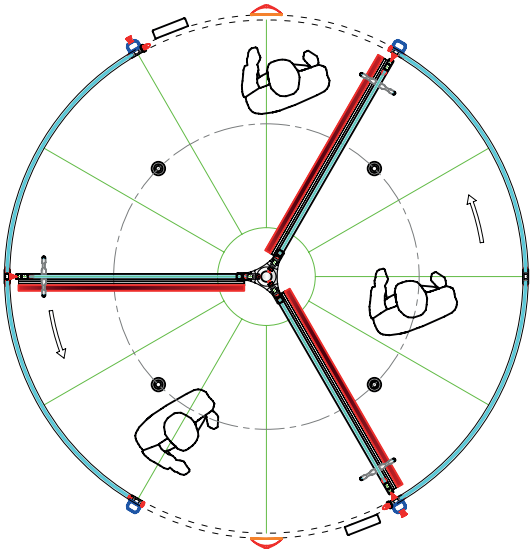


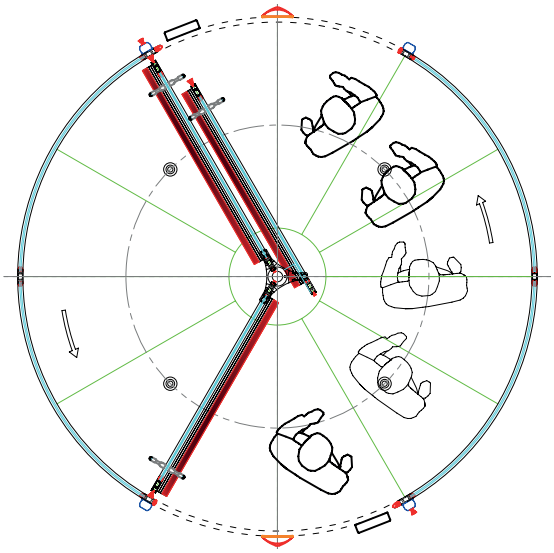


Night-time closer
An inside-running night-time closer as a locking component ensures greater resistance to forced entry. An automatic night-time closer provides increased convenience since manual locking is no longer required.

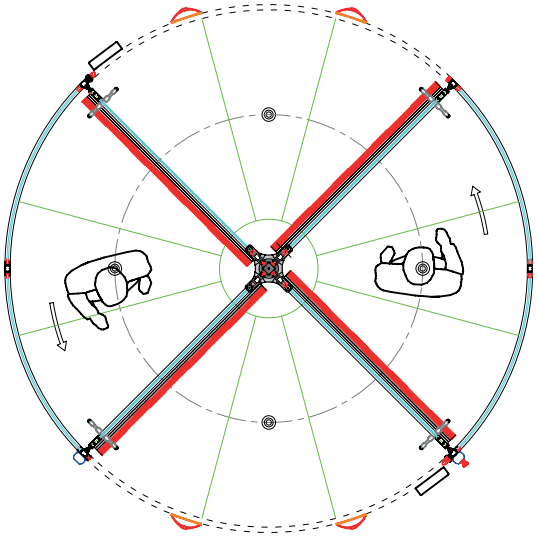
VARIANT WITH BREAK-OUT LEAVES

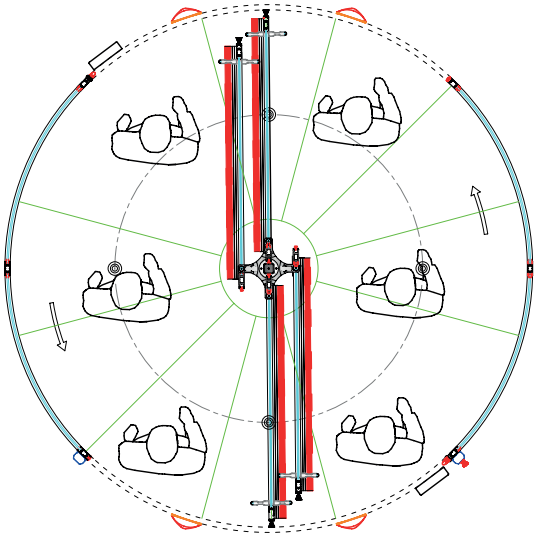
THREE-LEAF VARIANT





FOUR-LEAF VARIANT

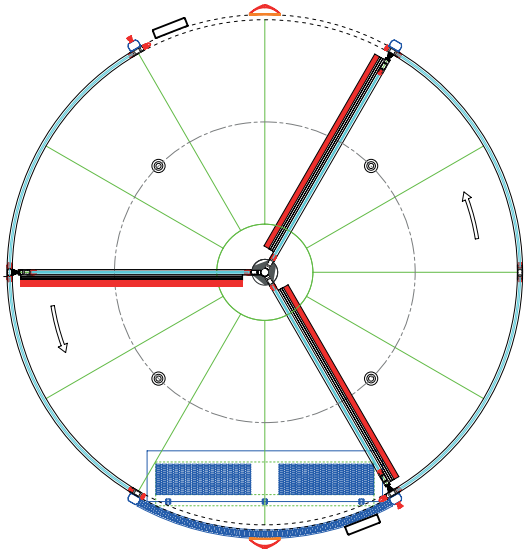


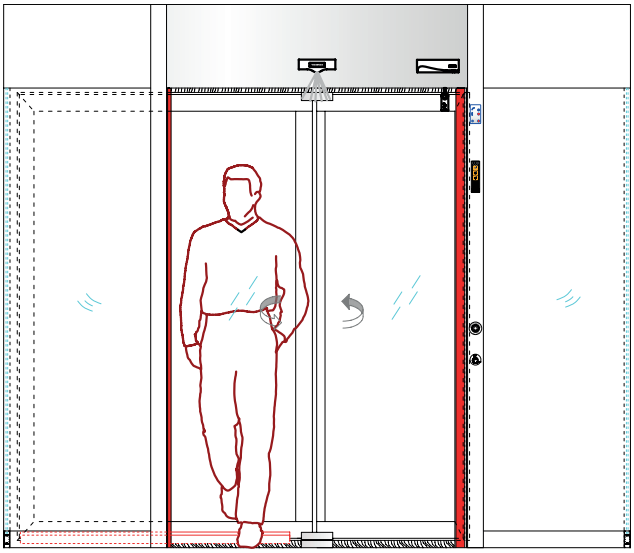


Break-out leaf
Is a leaf on revolving doors that is pivot-mounted and can therefore be opened like a swing door in the event of danger. This variant can be used in escape and rescue routes.

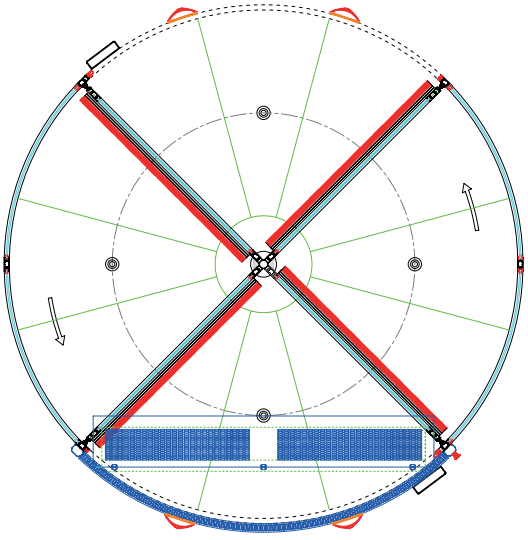
AIR CURTAIN

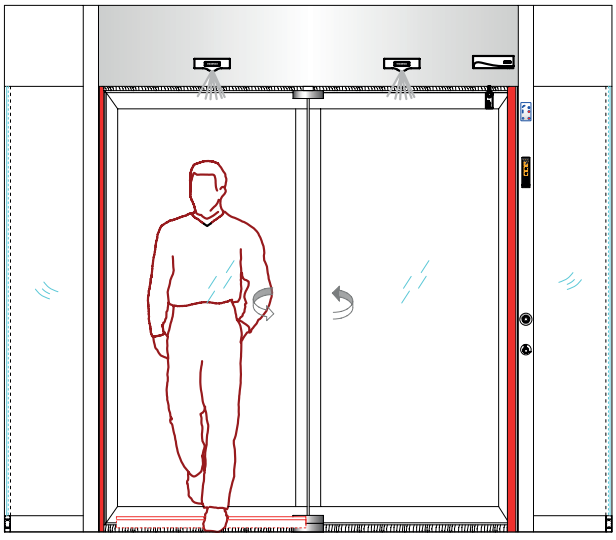
THREE-LEAF VARIANT





FOUR-LEAF VARIANT





Hot-air curtain
Differences between the temperature inside a building and the outside temperature cause unwanted air exchange in the door area. Air curtain systems are used to prevent this air exchange. They prevent the ingress of cold air even with revolving doors. As a result, the area directly by the door can be used economically.

TSA 395



Automatic revolving door system for three-leaf doors with large diameters

AREAS OF APPLICATION

- Interior and exterior doors with high access frequency
- Prestigious building entrances with major light incidence
- Façades with narrow mullion-transom constructions
- Diameters from 3740 to 5940 mm possible

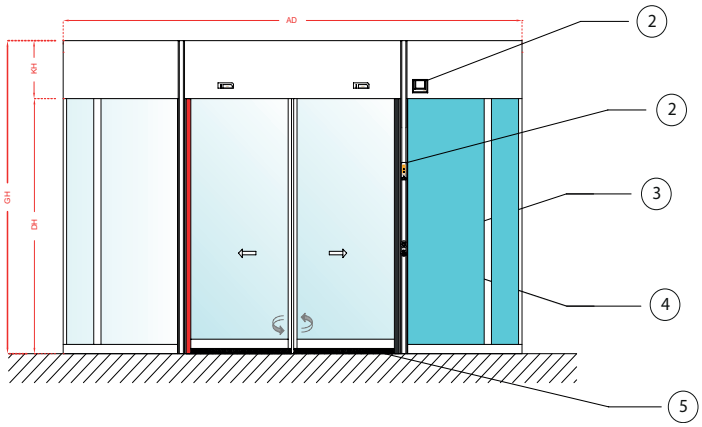
PRODUCT FEATURES

- Customised selection of diameter, passage height and surfaces
- Extensive equipment options
- Powerful drive technology for doors up to 6000 mm in diameter
- Easy installation of the door system without lifting tools
- Fast commissioning thanks to pre-wired and configured sensors
- Certification in accordance with EN 16005

TECHNICAL DATA	TSA 395
Operation fully automatic	Yes
Suitability for escape and rescue routes	Yes
Break-out function (BO)	Yes
Inner diameter (min.)	3740 mm
Inner diameter (max.)	5940 mm
For 3-leaf door systems	Yes
For 4-leaf door systems	No
Clear passage height	3200 mm
Canopy height (min.)	400 mm
Side panel version	8 mm LSG
Roof construction	optical sheet covering, waterproof roof with waterspout
Lighting	for variant with roof, according to the customer's request
Floor covering	Entrance mat, floor mat, according to the customer's request
Hot-air curtain system	Hot water air curtain, electric air curtain possible depending on the ceiling construction
Night-time closer layout	Exterior
Night-time closer type	Manual
Night-time closer design	8 mm LSG
Locking mechanism	Manual
Floor ring	Yes
Push pad	Yes
Standard conformity	EN 16005

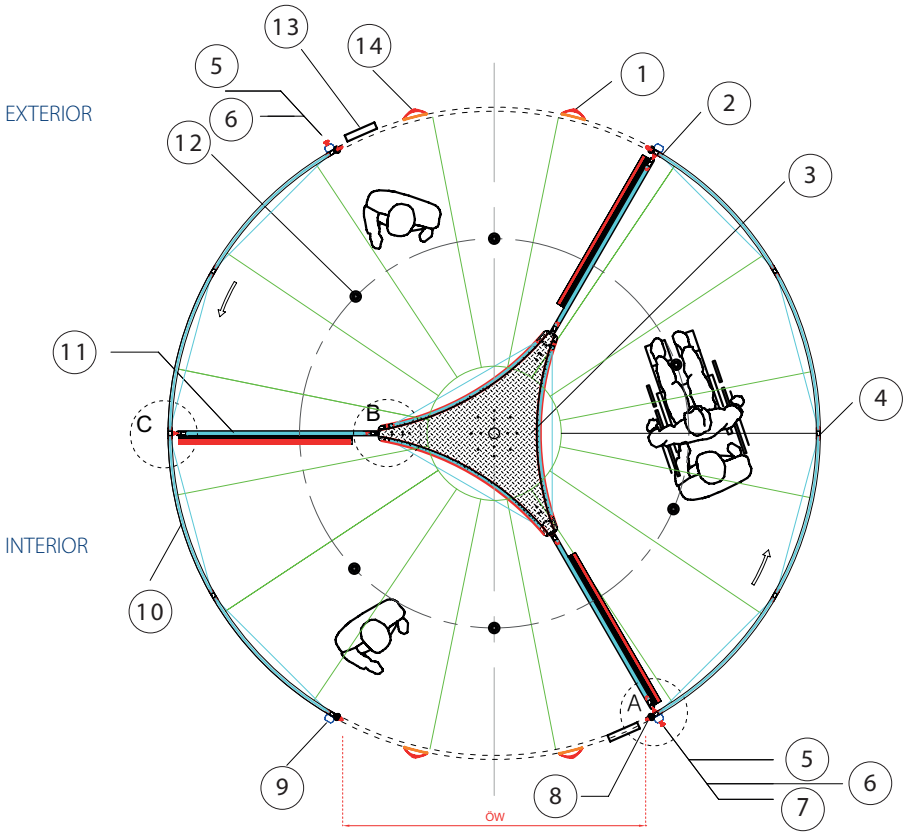
TECHNICAL SPECIFICATIONS

FRONT VIEW



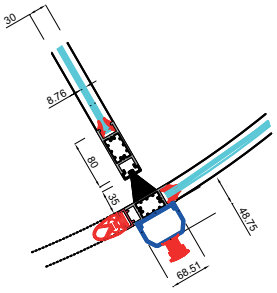
1 = Manual locking mechanism I 2 = Control unit/programme switch I 3 = Emergency stop switch I 4 = Push pad I 5 = Brush seal I AD = External diameter I GH = Overall height I DH = Passage height I KH = Canopy height

TOP VIEW

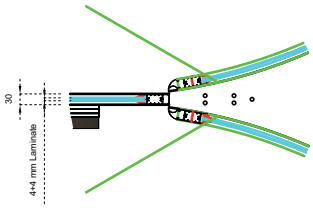


1 = Radar movement detector I 2 = Glass seal I 3 = Integrated showcase I 4 = 80 x 30 mm aluminium profile I 5 = Emergency stop switch I 6 = Push pad I 7 = Control panel I 8 = Mullion safety I 9 = Mullion attachment profile I 10 = 8 mm LSG I 11 = 8 mm LSG I 12 = 10 W LED I 13 = Mullion safety sensor I 14 = Radar motion detector I ÖW = Opening width

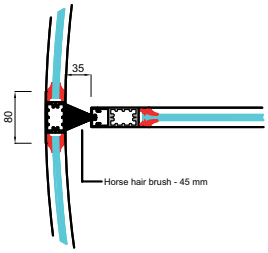
DETAILS



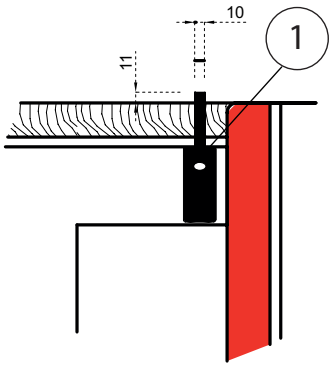
DETAIL A



DETAIL B



DETAIL B



DETAIL B

1 = Manual locking

DIMENSIONS

3-leaf with triangular showcase						
Outer diameter	**Inner diameter**	**Leaf width**	**Passage width**	**Segment area in m²**	**Maximum number of people ***	**Capacity/ minute ****
3800	3740	1170	1670	3.20	6	48
4000	3940	1270	1670	3.60	7	53
4500	4440	1520	2050	4.65	8	60
5000	4940	1770	2300	5.90	10	75
6000	5940	2270	2878	8.70	15	112

All measures in mm

* Specifies the number of people who can be in one segment during typical use.

** Specifies the maximum number of people that can pass in one direction per minute.

We are GEZE.

For liveable buildings

GEZE stands for innovation, high quality and comprehensive support of building technologies. From the initial idea, planning and operational implementation with standard products to customised system solutions and individual service and maintenance plans. We offer an extensive product range of door, window and safety technology products and are a major driving force behind the digital networking of building automation.

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