



KTC 2. The barrier-free and spacious entrance for standard and heavy user traffic.



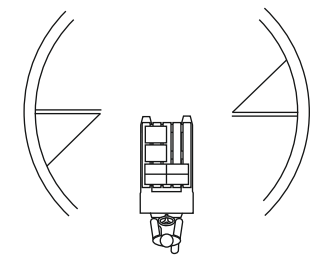
# KTC 2

Revolving and sliding door – a clever combination

## KTC 2. The flexible, barrier-free application for shopping centres.

Today, modern shopping centres attract thousands of visitors. With their KTC 2, DORMA provides a barrier-free all-in-one solution: two doors in only one system – a revolving door with an integrated automatic sliding door. The entrance may be tailored to the number of visitors to ensure smooth user traffic.

**Always the suitable function**  
Barrier-free entry is a must for every shopping centre. Thanks to the combination of two door versions in a single system, the KTC 2 is suitable to cope with standard and heavy user traffic and provides extraordinary user convenience.



Diameter:	3.6 m	4.2 m	4.8 m	5.4 m
Clear passage width of sliding door in mm:	1,618	1,918	2,218	2,518

**Revolving door data for user traffic**

Speed at the wing edge:	0.6 m/s
Required space per person:	0.7 m <sup>2</sup>
Utilization degree per chamber:	80%

**Revolving door data for people with shopping trolleys**

Speed at the wing edge:	0.6 m/s
Required space per person:	2.0 m <sup>2</sup>
Utilization degree per chamber:	60%

Diameter:	3.6 m	4.2 m	4.8 m	5.4 m
People per chamber:	3	5	6	7
People per hour*:	1,145	1,637	1,718	1,764

Diameter:	3.6 m	4.2 m	4.8 m	5.4 m
People per chamber:	1	1	1	1
People per hour*:	382	327	286	252

\*Theoretical traffic capacity per hour = number of wings x people per chamber x rotations per minute x 60 min.

\*Theoretical passage capacity per hour = number of wings x (people + trolleys per chamber) x rotations per minute x 60 min.

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Door Control



Automatic



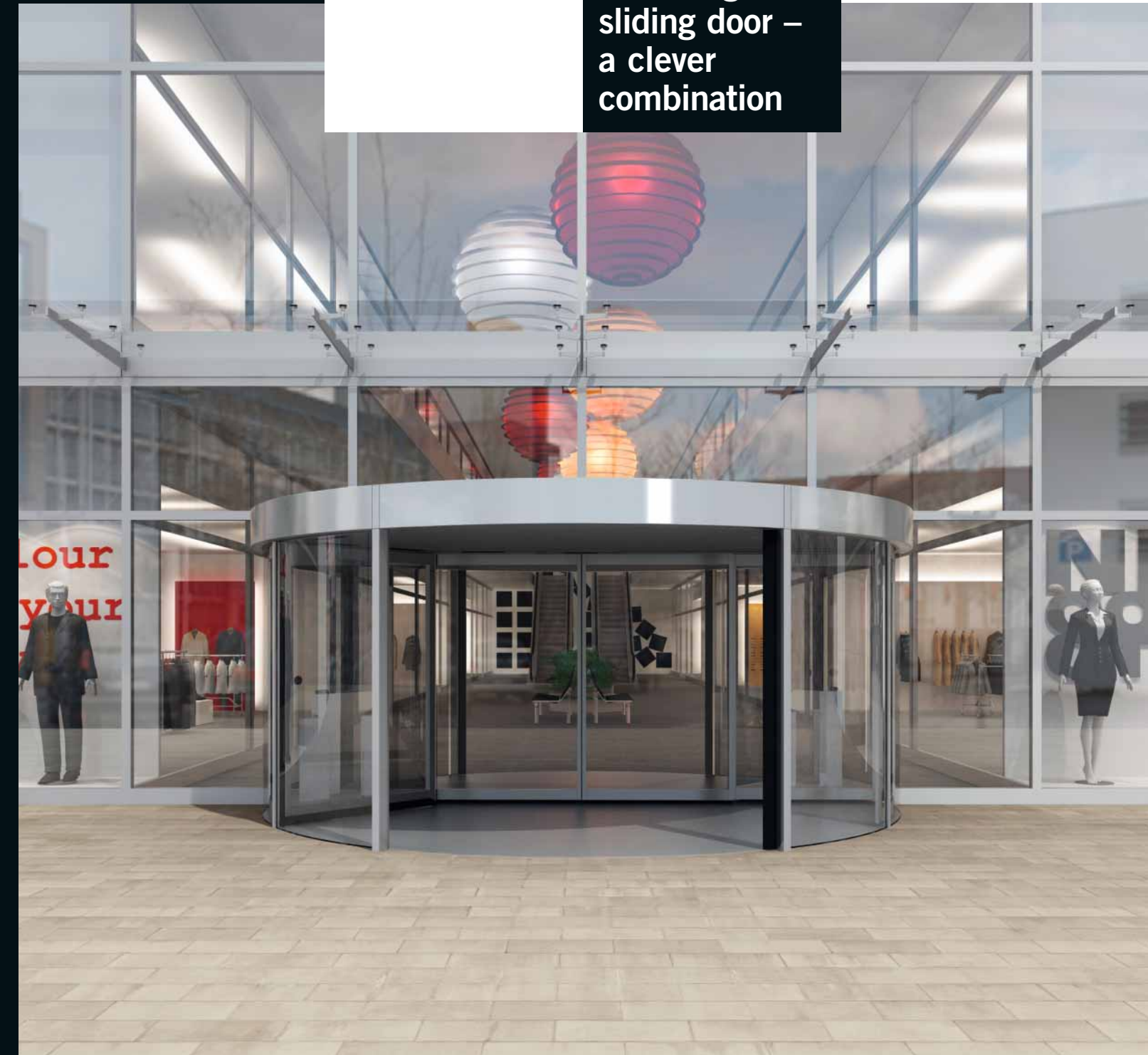
Glass Fittings and Accessories



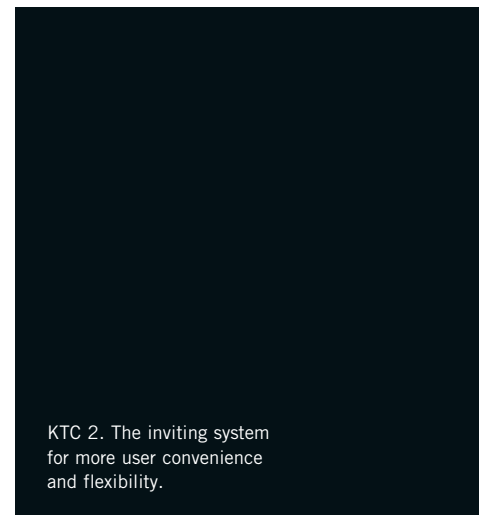
Security/Time and Access Control (STA)



Movable Walls



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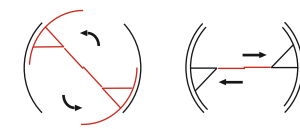


KTC 2. The inviting system for more user convenience and flexibility.

## KTC 2. Twice as convenient with various benefits.

A revolving door and an automatic sliding door combined in a single system for more flexibility.

benefits of a revolving door during hours with standard traffic capacities and simply switch to the sliding door mode whenever the number of users grows.



Tailored to your requirements

Twice the convenience in a single entry. Enjoy all the

Conserving resources, cutting costs.

energy costs – despite its bigger internal diameter.

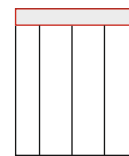


18% less energy consumption

Thanks to its modern drive technology, the KTC 2 requires 18% less energy than its predecessor, which saves

Superior "Slim Design". A large door system in slender design.

diameter of up to 5.4 m – a combination that delivers slimline door solutions.

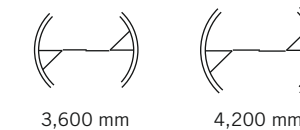


Low canopy height of only 30 cm

Frameless drum walls, a decreased canopy height of only 300 mm and a

Broader product range. Larger internal diameter, more individuality.

large variety, architects, designers and facility operators may realize multiple applications in various designs.



3,600 mm  
4,200 mm  
4,800 mm  
5,400 mm

New: larger internal diameter of 5,400 mm

The revolving door system KTC 2 is available with four different internal diameters: 3,600 mm, 4,200 mm, 4,800 mm and now also with 5,400 mm. Thanks to this

## DORMA revolving door systems – it all revolves around climate control.

1. Revolving doors are sensible climate barriers

Thanks to their construction, revolving door systems reduce the loss of heated and/or cooled air to the outside. Brush seals from natural hair seal the entrance off on three sides; thus the door is never actually open although it rotates and is accessed by users.

2. Revolving doors save energy and cut costs

Thanks to the special climate barrier feature, the energy loss in the entrance area is very low – which in turn cuts the cost for heating and/or air conditioning.

3. Revolving doors create a constant and comfortable climate

Our revolving door systems protect your building from unpleasant draughts, noise, dirt and dust so that visitors and staff always benefit from a constant and comfortable climate.

4. Revolving doors – an investment that pays off

DORMA revolving door systems are especially energy-efficient so that purchase costs are amortized in the medium term.

## KTC 2. Twice as much user convenience for hotels and guests.

This intelligent revolving door system with an integrated automatic sliding door will convince both the facility operator and the users of its various benefits.

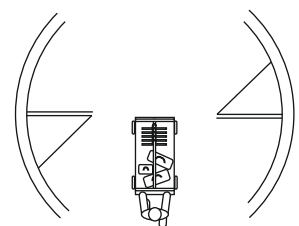
Revolving door system for standard traffic capacities

As long as the number of guests is on an average level, simply adjust the "revolving

door" mode. The system's "Slim Design" will provide your entrance area with an inviting look while special brush seals create a sensible climate barrier between the interior and the exterior of the building. This feature helps to reduce heating or air conditioning costs, while the low energy consumption of the drive motor is a further benefit that should not be forgotten.

Sliding door for heavy user traffic

Setting the program switch to "automatic sliding door" mode will allow a large number of guests to use the door or bulky items to be carried through with ease.



### Revolving door data for user traffic

Speed at the wing edge: 0.6 m/s  
Required space per person: 0.7 m<sup>2</sup>  
Utilization degree per chamber: 80%

Diameter:	3.6 m	4.2 m	4.8 m	5.4 m
People per chamber:	3	5	6	7
People per hour*:	1,145	1,637	1,718	1,764

\*Theoretical passage capacity per hour = Number of wings x people per chamber x rotations per minute x 60 min.

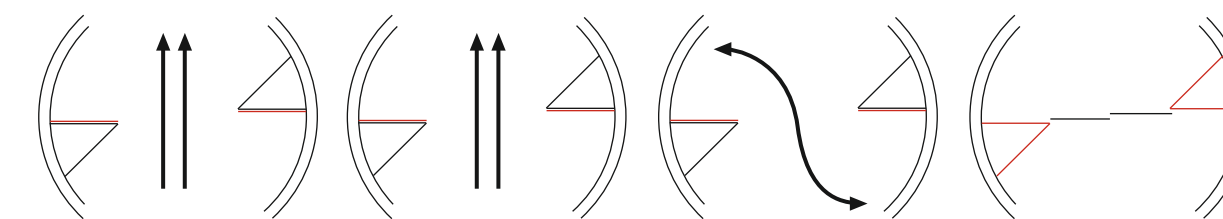
### Revolving door data for wheelchair users

Speed at the wing edge: 0.3 m/s (50% rotational speed)  
Required space per person: 2.0 m<sup>2</sup>  
Utilization degree per chamber: 60%

Diameter:	3.6 m	4.2 m	4.8 m	5.4 m
People per chamber:	1	1	1	1
People per hour*:	191	163	143	120

\*Theoretical traffic capacity per hour = number of wings x (people + wheelchair per chamber) x rotations per minute x 60 min.

## KTC 2. Two doors in one system – and so much more.



Automatically Manually Manually Showcase

Suitable for application in emergency exits and escape routes\*

Suitable for application in emergency exits and escape routes\*

Automatic smoke and heat extraction

In the event of an emergency, the turnstile travels to starting position (parallel to the facade axle). As soon as the turnstile has reached this position, the centre of the door opens automatically in order to create an emergency exit and a smoke outlet.

Fire detection function (for ventilation purposes)

The fire detection function is designed for preventive fire protection. Just activate the fire detector and the KTC 2 travels to central position and the sliding door opens. Please note that the door must not be locked manually.

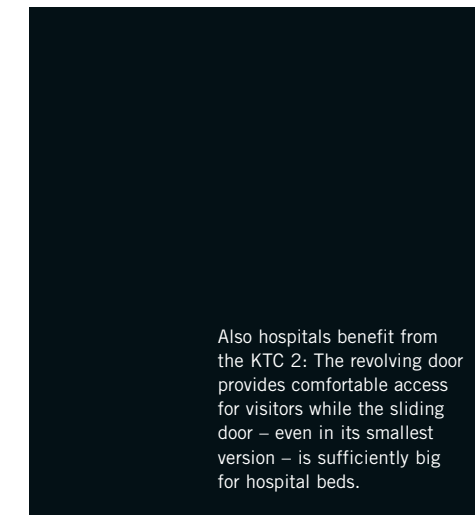
Summer configuration (for ventilation purposes)

The door wings may remain open to provide a consistently pleasant climate. This configuration is also perfectly suitable whenever bulky items, luggage or goods have to pass through the door system.

KTC 2 for presentation purposes

The turnstile of the KTC 2 may also serve as a showcase and turn your entrance into an attractive presentation area. Please note that the maximum load bearing capacity amounts to 30 kg per showcase.

\*Please also consider the prevailing country-specific provisions.



Also hospitals benefit from the KTC 2: The revolving door provides comfortable access for visitors while the sliding door – even in its smallest version – is sufficiently big for hospital beds.

