



Revolving doors Varioline

### REVOLVING DOORS THAT COMBINE ELEGANCE AND FUNCTIONALITY

The main entrance gives a clear statement of your company's image. It is extremely important that it conveys a positive first impression, as well as allows a smooth flow of traffic. The KTV series of DORMA revolving doors combine these two characteristics perfectly. DORMA KTV revolving doors also hold back noise, dust and dirt, reliably protect employees in the vicinity of the entrances from draughts, and help to keep heating costs down. DORMA KTV doors are exceptionally versatile. Any inside diameter of door can be supplied from 2000 - 3400 mm. Plus, standard fixed diameters of 3600 mm and 3800 mm are

also available. Depending on the diameter, clear passage heights of up to 3000 mm can be achieved. KTV series revolving doors can optionally be fitted with

- 3- or 4-wing design
- glazed drum walls or with metal panelling
- additional curved sliding doors in front of the entrance to act as night shields (optional)
- for manual operation (KTV/M),
- with positioning auto-matic (KTV/P)
- with servomatic (KTV/S)
- for Automatic operation (KTV A)
- accessories that ensure compliance with the requirements of DIN 18650

#### Benefits

#### ... for the installer

- Flexible system to suit all requirements.
- Easy installation and rapid commissioning.
- Guaranteed state-of-the-art design and compliance with all regulations.

#### ... for the architect/specifier

- Extensive design flexibility in terms of planning and technical requirements.
- Visually, technically and economically the ideal application.

#### ... for the user

- Enhanced working conditions.
- Optimisation of the building energy balance.
- Efficient noise protection.
- Tailored integrated application combining industrial engineering precision and assured quality.

#### Traffic capacity 3/4-wing design

Traffic capacity 5/4-wing design	I			
Internal diameter (D) in mm	Theoretical capacity <sup>1)</sup>	Practical ca	. ,	Maximum capacity <sup>3)</sup>
	Persons/hour →	→ Persons/ł	nour ↔	Persons/hour →
2000	1440	480	960	24
2400	1800	600	1200	30
2700	2400	800	1600	40
3000	3240	1080	2160	54
3600	3060	1230	2670	69

<sup>1)</sup> The theoretical capacity value indicates how many people can pass through the revolving door in one ( $\rightarrow$ ) direction per hour, assuming that the traffic flow is uniform and the internal segments are constantly occupied. <sup>2)</sup> The practical capacity values indicate how many people can actually pass through the revolving door in one direction ( $\rightarrow$ ) and in both ( $\leftrightarrow$ ) directions.

<sup>3)</sup> The maximum capacity value indicates how many people can pass through the revolving door in one direction  $(\rightarrow)$  per minute when, for a certain limited period, there is a constant stream of traffic, for example in the morning and evening.



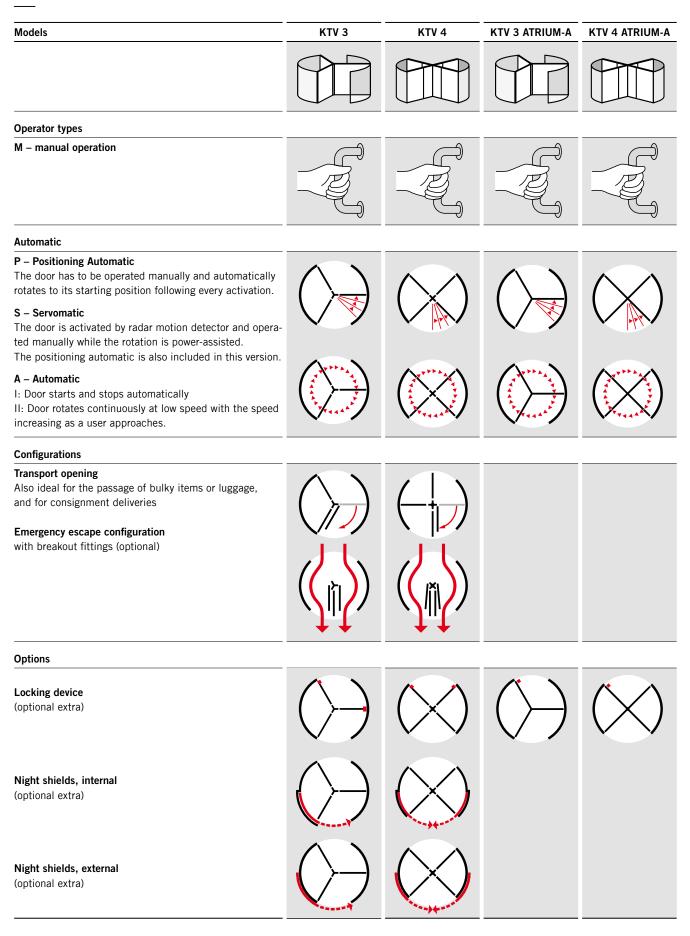
	кти
3/4-wing design	2000–3800 mm, all dimensions possible between
3/4-wing design	Internal diameter + max. 96 mm without night shield
3/4-wing design	2100-4000 mm*
3/4-wing design	17.5–700 mm*
	3/4-wing design 3/4-wing design

\* See Table Page 14/15

Characteristics of KTV-series	I/TV standard	KTV with gloss sailing	
Detail	KTV standard	KTV with glass ceiling	KTV ATRIUM-A full-glass system
Drum wall, framed glass	0	0	_
Drum wall, metal panelling	0	0	_
Full-glass drum wall without frame	_	-	0
Wings with push handles (version M/P/S)	0	0	0
Wings with push handles (version A)	_	-	_
Manual night shield, internal	0	-	_
Manual night shield, external	0	0	-
Electrical night shield, internal	0 (KTV 4)	-	-
Mechanical wing locking device	0	0	0
Mechanical locking device at night shield	0	0	0
Electrical wing locking device	0	-	_
Electrical locking device, electrical night shield	0	-	_
Positioning automatic (P), canopy-integrated operator	0	-	_
Positioning automatic (P), under floor operator	0	0	0
Servomatic (S), canopy-integrated operator	0	-	_
Servomatic (S), under floor operator	0	0	0
Automatic (A), canopy-integrated operator	0	-	_
Automatic (A), under floor operator	0	0	0
Framed turnstile, rigid	0	0	_
Framed turnstile Bookfold (suitable for application in emergency exits and escape routes)	0	3200 - 3800 mm	_
Framed turnstile, 1-wing, hinged (transport opening)	0	0	_
Turnstile with fine-frame profile, rigid	0	0	0
Wing with center midrails	0	0	
Drum wall with center midrails	0	0	_
Floor ring	0	0	0
Floor finish	0	0	0
Ceiling-integrated downlights	0	_	_
Prepared for rainproof ceiling	0	_	_
Rainproof ceiling	0	0	_
Anti-vandalism brake	0	0	_
Speed limiter	0	0	0
Manufactured according to DIN 18650	0	0	0

O = available as an option - = not available

## DESIGNS, FUNCTIONS, STANDARD EQUIPMENT, OPTIONAL EXTRAS





### STANDARD

#### Dimensions of KTV 3 for internal diameters (D) of up to 3,800 mm

ght shie	ld)								
2000	2200	2400	2600	2800	3000	3200	3400	3600	3800
2096	2296	2496	2696	2896	3096	3296	3496	3696	3896
940	1040	1140	1240	1340	1440	1540	1640	1740	1840
895	995	1095	1195	1295	1395	1495	1595	1695	1795
e-piece e	external	night shi	ield)						
2000	2200	2400	2600	2800	3000	3200	3400	3600	3800
2262	2462	2662	2862	3062	3262	3462	3662	3862	4062
940	1040	1140	1240	1340	1440	1540	1640	1740	1840
895	995	1095	1195	1295	1395	1495	1595	1695	1795
e-piece i	nternal i	night shi	eld)						
2000	2200	2400	2600	2800	3000	3200	3400	3600	3800
2216	2416	2616	2816	3016	3216	3416	3616	3816	4016
940	1040	1140	1240	1340	1440	1540	1640	1740	1840
895	995	1095	1195	1295	1395	1495	1595	1695	1795
	2000 2096 940 895 2000 2262 940 895 2000 2216 2000 2216 940	2096     2296       940     1040       895     995 <b>e-piece external</b> 2000       2262     2462       940     1040       895     995 <b>e-piece internal</b> 2000       2000     2200       2262     2462       940     1040       895     995 <b>e-piece internal</b> 2000       2216     2416       940     1040	2000     2200     2400       2096     2296     2496       940     1040     1140       895     995     1095 <b>e-piece external night sh</b> 2000     2400       2000     2200     2400       2262     2462     2662       940     1040     1140       895     995     1095 <b>e-piece internal night shi</b> 2000     2200       2000     2200     2400       2216     2416     2616       940     1040     1140	2000     2200     2400     2600       2096     2296     2496     2696       940     1040     1140     1240       895     995     1095     1195 <b>piece external night shield</b> 2000     2200     2400     2600       20262     2462     2662     2862     940     1040     1140     1240       895     995     1095     1195     1195     1195       940     1040     1140     1240     895     995     1095     1195 <b>piece internal night shield</b> 2000     2200     2400     2600     2200     2400     2600       2000     2200     2400     2600     2600     2216     2416     2616     2816       940     1040     1140     1240     1240     1240	2000     2200     2400     2600     2800       2096     2296     2496     2696     2896       940     1040     1140     1240     1340       895     995     1095     1195     1295 <b>external night shield)</b> 2000     2200     2400     2600     2800       2262     2462     2662     2862     3062       940     1040     1140     1240     1340       895     995     1095     1195     1295       940     1040     1140     1240     1340       895     995     1095     1195     1295       940     1040     1140     1240     3062       940     2200     2400     2600     2800       2000     2200     2400     2600     2800       2216     2416     2616     2816     3016       940     1040     1140     1240     1340	2000     2200     2400     2600     2800     3000       2096     2296     2496     2696     2896     3096       940     1040     1140     1240     1340     1440       895     995     1095     1195     1295     1395       e-piece external night shield)     2000     2200     2400     2600     2800     3000       2262     2462     2662     2862     3062     3262       940     1040     1140     1240     1340     1440       895     995     1095     1195     1295     3062       940     1040     1140     1240     1340     1440       895     995     1095     1195     1295     1395       e-piece internal night shield)     2000     2200     2400     2600     2800     3000       2216     2416     2616     2816     3016     3216       940     1040     1140     1240     1340     1440	2000     2200     2400     2600     2800     3000     3200       2096     2296     2496     2696     2896     3096     3296       940     1040     1140     1240     1340     1440     1540       895     995     1095     1195     1295     1395     1495       e-piece     external night shield)     2000     2200     2400     2600     2800     3000     3200       20262     2462     2662     2862     3062     3262     3462       940     1040     1140     1240     1340     1440     1540       2000     2200     2400     2600     2800     3000     3200       940     1040     1140     1240     1340     1440     1540       895     995     1095     1195     1295     1395     1495       e-piece     internal night shield)     internal shield     internal shield     internal shield     internal shield     internal shield <t< td=""><td>2000     2200     2400     2600     2800     3000     3200     3400       2096     2296     2496     2696     2896     3096     3296     3496       940     1040     1140     1240     1340     1440     1540     1640       895     995     1095     1195     1295     1395     1495     1595       e-piece external night shield/     2000     2200     2400     2600     2800     3000     3200     3400       20262     2462     2662     2862     3062     3262     3462     3662       940     1040     1140     1240     1340     1440     1540     1640       895     995     1095     1195     1295     1395     1495     1595       e-piece internal night shield/     1205     1395     1495     1595       e-piece internal night shield/     2000     2200     2400     2600     2800     3000     3200     3400       2000</td><td>2000     2200     2400     2600     2800     3000     3200     3400     3600       2096     2296     2496     2696     2896     3096     3296     3496     3696       940     1040     1140     1240     1340     1440     1540     1640     1740       895     995     1095     1195     1295     1395     1495     1595     1695       e-piece external night shield)     2000     2200     2400     2600     2800     3000     3200     3400     3600       20262     2462     2662     2862     3062     3262     3462     3662     3862       940     1040     1140     1240     1340     1440     1540     1640     1740       895     995     1095     1195     1295     1395     1495     1595     1695       e-piece internal night shiel/     2000     2200     2400     2600     2800     3000     3200     3400     3600</td></t<>	2000     2200     2400     2600     2800     3000     3200     3400       2096     2296     2496     2696     2896     3096     3296     3496       940     1040     1140     1240     1340     1440     1540     1640       895     995     1095     1195     1295     1395     1495     1595       e-piece external night shield/     2000     2200     2400     2600     2800     3000     3200     3400       20262     2462     2662     2862     3062     3262     3462     3662       940     1040     1140     1240     1340     1440     1540     1640       895     995     1095     1195     1295     1395     1495     1595       e-piece internal night shield/     1205     1395     1495     1595       e-piece internal night shield/     2000     2200     2400     2600     2800     3000     3200     3400       2000	2000     2200     2400     2600     2800     3000     3200     3400     3600       2096     2296     2496     2696     2896     3096     3296     3496     3696       940     1040     1140     1240     1340     1440     1540     1640     1740       895     995     1095     1195     1295     1395     1495     1595     1695       e-piece external night shield)     2000     2200     2400     2600     2800     3000     3200     3400     3600       20262     2462     2662     2862     3062     3262     3462     3662     3862       940     1040     1140     1240     1340     1440     1540     1640     1740       895     995     1095     1195     1295     1395     1495     1595     1695       e-piece internal night shiel/     2000     2200     2400     2600     2800     3000     3200     3400     3600

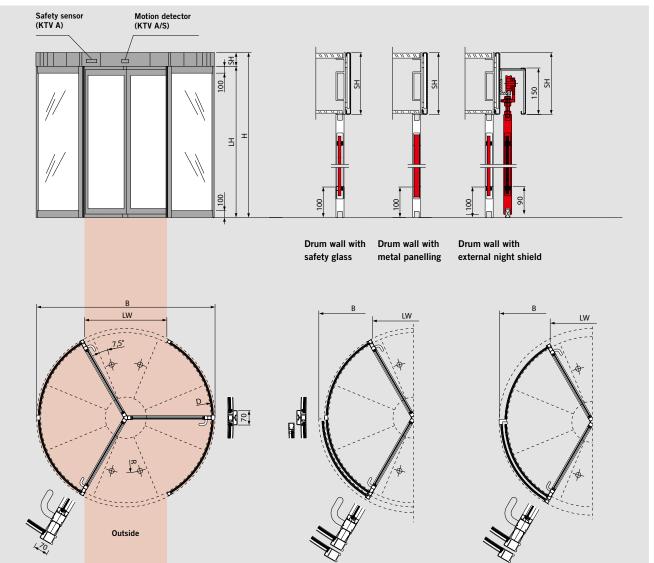
All dimensions in mm.

#### KTV 3 M/P/S/A

#### KTV M/P/S/A

Rigid wings or pivot-mounted wings. Drum wall options:

- Curved aluminium special profiles, posts 70 x 46 mm, base section height (at top and bottom): 100 mm, safety glazing: 8.7 mm laminated safety glass or 8 mm toughened safety glass, clear. Laminated safety glass is pendulum body impact resistant according to class A 1 of DIN 52290 (German Industrial Standard).
- Curved aluminium special profiles, posts 70 x 46 mm, base section 100 mm high top and bottom with metal panelling, 18 mm thick.



#### KTV M/P/S/A

 3/4-wing design also with internal or external night shield and safety glass
8.7 mm laminated safety glass or 8 mm toughened safety glass, clear.
Also available with 18 mm metal panelling as an option.
Laminated safety glass is pendulum body impact resistant according to class A 1 of DIN 52290 (German Industrial Standard).

#### Dimensions of KTV 4 for internal diameters (D) of up to 3,800 mm

1364

895

1505

995

1647

1095

#### 4-wing design (without night shield)

wing ucsign (without in	Sur anic	iu)								
Internal diameter (D)	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800
External diameter (B)	2096	2296	2496	2696	2896	3096	3296	3496	3696	3896
Clear passage width (LW)	1364	1505	1647	1788	1930	2071	2213	2354	2496	2637
Escape route width	895	995	1095	1195	1295	1395	1495	1595	1695	1795
4-wing design (with doub	le-leaf e	xternal r	night shi	eld)						
Internal diameter (D)	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800
External diameter (B)	2262	2462	2662	2862	3062	3262	3462	3662	3862	4062
Clear passage width (LW)	1364	1505	1647	1788	1930	2071	2213	2354	2496	2637
Escape route width	895	995	1095	1195	1295	1395	1495	1595	1695	1795
4-wing design (with doub	le-leaf ir	nternal n	ight shie	eld)						
Internal diameter (D)	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800
External diameter (B)	2216	2416	2616	2816	3016	3216	3416	3616	3816	4016

1788

1195

1930

1295

2071

1395

2213

1495

2354

1595

2496

1695

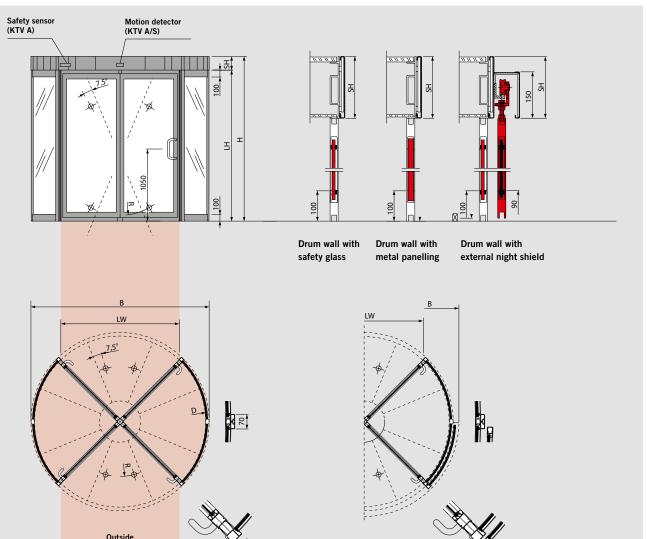
2637

1795

#### Clear passage width (LW) Escape route width

All dimensions in mm.





# WITH GLASS CEILING

#### Dimensions of KTV 3 with glass ceiling for internal diameters (D) of up to 3,000 mm

3-wing design (without nig	ht shield)					
Internal diameter (D)	2000	2200	2400	2600	2800	3000
External diameter (B)	2092	2292	2492	2692	2892	3092
Clear passage width (LW)	940	1040	1140	1240	1340	1440

#### 3-wing design (with double-leaf external night shield)

Internal diameter (D)	2000	2200	2400	2600	2800	3000
External diameter (B)	2092	2292	2492	2692	2892	3092
Clear passage width (LW)	940	1040	1140	1240	1340	1440

All dimensions in mm.

#### KTV M/P/S/A

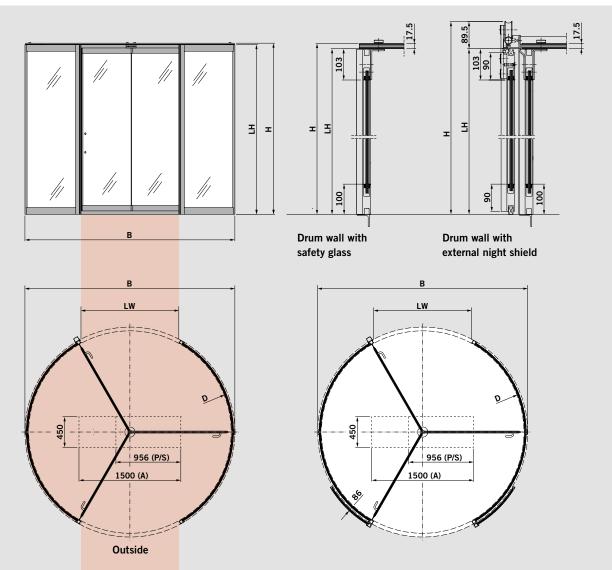
Rigid wings, drum walls optionally made of

 Curved aluminium special profiles, posts 70 x 46 mm, base section height (at top and bottom): 100 mm and safety glazing: 8.7 mm laminated safety glass or 8 mm toughened safety glass, clear.

Laminated safety glass is pendulum body impact resistant according to class A 1 of DIN 52290 (German Industrial Standard).

 Curved aluminium special profiles, posts 70 x 46 mm, base section 100 mm high top and bottom with metal panelling, 18 mm thick.

#### KTV 3 with glass ceiling M/P/S/A



3/4-wing design also with
internal or external night
shield made of safety glass
8.7 mm laminated safety
glass or 8 mm toughened
safety glass, clear.
Laminated safety glass is
pendulum body impact
resistant according to
class A 1 of DIN 52290
(German Industrial Standard).

#### Dimensions of KTV 4 with glass ceiling for internal diameters (D) of up to 3,000 mm

4-wing design	(without night shield)

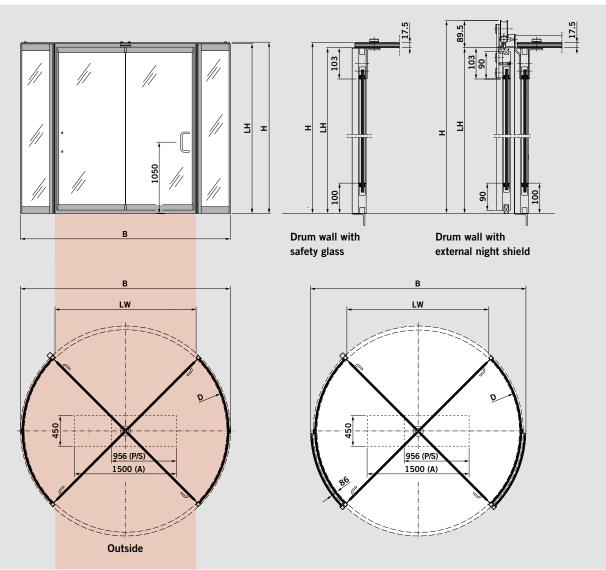
	-					
Internal diameter (D)	2000	2200	2400	2600	2800	3000
External diameter (B)	2092	2292	2492	2692	2892	3092
Clear passage width (LW)	1364	1505	1647	1788	1930	2071

#### 4-wing design (with double-leaf external night shield)

Internal diameter (D)	2000	2200	2400	2600	2800	3000
External diameter (B)	2188	2388	2588	2788	2988	3188
Clear passage width (LW)	1364	1505	1647	1788	1930	2071

All dimensions in mm

#### KTV 4 with glass ceiling M/P/S/A



# WITH GLASS CEILING

#### Dimensions of KTV 3 with glass ceiling for internal diameters (D) of or beyond 3,200 mm

Internal diameter (D)	3200	3400	3600	3800
External diameter (B)	3292	3492	3692	3892
Clear passage width (LW)	1540	1640	1740	1840
Escape route width	1495	1595	1695	1795
	2000	0400	2000	2000
3-wing design (with double-leaf extern	<u> </u>			
Internal diameter (D)	3200	3400	3600	3800
External diameter (B1)				
	3200	3400	3600	3988
External diameter (B1) without cover for door suspension External diameter (B2)				3988
External diameter (B1) without cover for door suspension	3388	3588	3788	

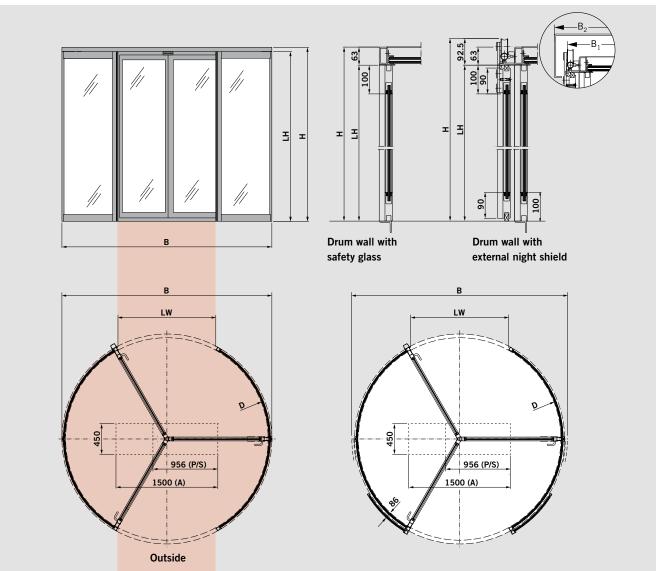
All dimensions in mm.

#### KTV 3 with glass ceiling M/P/S/A

#### KTV M/P/S/A

Rigid or pivot-mounted wings, drum walls optionally made of

- Curved aluminium special profiles, posts 70 x 46 mm, base section height (at top and bottom): 100 mm and safety glazing: 8.7 mm laminated safety glass or 8 mm toughened safety glass, clear.
  Laminated safety glass is pendulum body impact resistant according to class A 1 of DIN 52290 (German Industrial Standard).
- Curved aluminium special profiles, posts 70 x 46 mm, base section 100 mm high top and bottom with metal panelling, 18 mm thick.



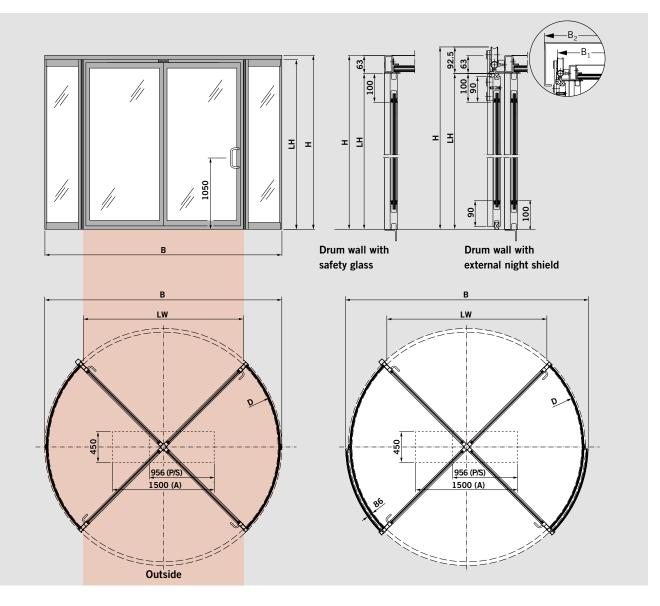
#### KTV M/P/S/A

 3/4-wing design also with internal or external night shield and safety glass made of 8.7 mm laminated safety glass or 8 mm toughened safety glass, clear.
Laminated safety glass is pendulum body impact resistant according to class A 1 of DIN 52290 (German Industrial Standard).

4-wing design (without night shield)				
Internal diameter (D)	3200	3400	3600	3800
External diameter (B)	3292	3492	3692	3892
Clear passage width (LW)	2213	2354	2496	2637
Escape route width	1495	1595	1695	1795
4-wing design (with double-leaf night s	shield)			
Internal diameter (D)	shield) 3200	3400	3600	3800
Internal diameter (D)		3400	3600	3800
Internal diameter (D) External diameter (B1)		3400	3600	3800
Internal diameter (D) External diameter (B1)	3200			
Internal diameter (D) External diameter (B1) without cover for door suspension External diameter (B2)	3200			3988
External diameter (B1) without cover for door suspension	3200 3388	3588	3788	

All dimensions in mm.

#### KTV 4 with glass ceiling M/P/S/A



### ATRIUM-A

#### **Dimensions KTV 3 ATRIUM-A**

3-wing design (without night shield)					
Internal diameter (D)	2000	2200	2400	2600	2800
External diameter (B)	2140	2340	2540	2740	2940
Width at mid post (B1)	2076	2276	2476	2676	2876
Clear passage width (LW)	965	1065	1165	1265	1365

All dimensions in mm.

#### KTV ATRIUM-A

#### Drum side walls of

 4+0.38+5mm laminated safety glass (LSG) Laminated safety glass is pendulum body impact resistant according to Class A of DIN 52290 (German Industrial Standard)

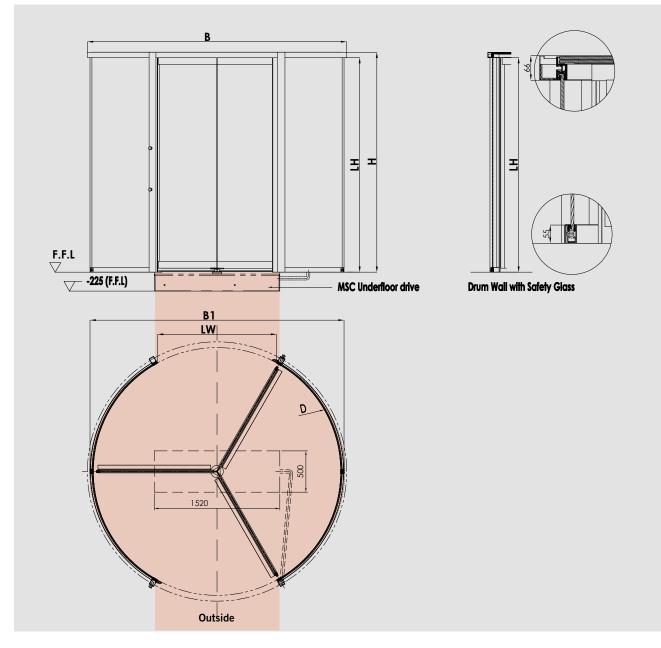
#### Ceiling:

• 8+1.52+8 mm laminated safety glass LSG (TSG)

#### Wing:

• 12 mm toughened safety glass, clear (TSG)

#### **KTV 3 ATRIUM-A**



#### **KTV ATRIUM-A**

Drum side walls of

 4+0.38+5mm laminated safety glass (LSG) Laminated safety glass is pendulum body impact resistant according to Class A of DIN 52290 (German Industrial Standard)

#### Ceiling:

• 8+1.52+8 mm laminated safety glass LSG (TSG)

#### Wing:

• 12 mm toughened safety glass, clear (TSG)

#### **KTV 4 ATRIUM-A**

# В 포 포 щ F.F.L $\nabla$ .....) --225 (F.F.L) $\bigtriangledown$ **MSC Underfloor drive** Drum Wall with Safety Glass **B1** LW Outside

3-wing design (without night shield)					
Internal diameter (D)	2000	2200	2400	2600	2800
External diameter (B)	2140	2340	2540	2740	2940
Width at mid post (B1)	2076	2276	2476	2676	2876
Clear passage width (LW)	1365	1506	1648	1789	1931

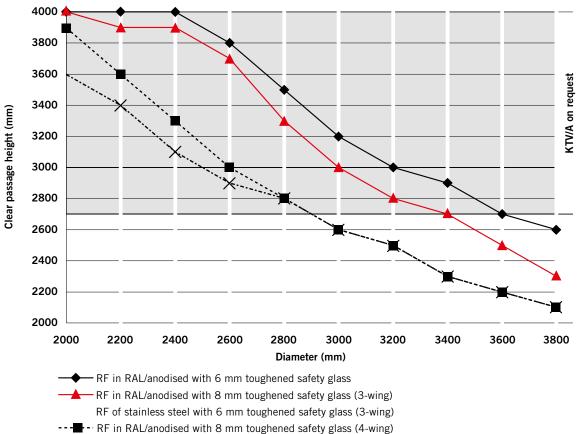
All dimensions in mm.

### DETAILS

1. KTV A canopy heights depending on function and installation features			
Function	Canopy height		
Manual operation	100		
Positioning automatic (Canopy-integrated operator)			
Servomatic (Canopy-integrated operator)	200		
Automatic (Canopy-integrated operator)			
Positioning automatic (Under floor operator)			
Servomatic (Under floor operator)	100 / 21.5* / 17.5* / 63		
Automatic (Under floor operator)			
Manual night shield (Under floor operator)	200		
Electrically operated night shield (Under floor operator)	300		
Speed limiter (Canopy-integrated operator)	200		
Shock-Stop anti-vandalism brake (Canopy-integrated operator)	200		
Overhead warm-air curtain	500/600		

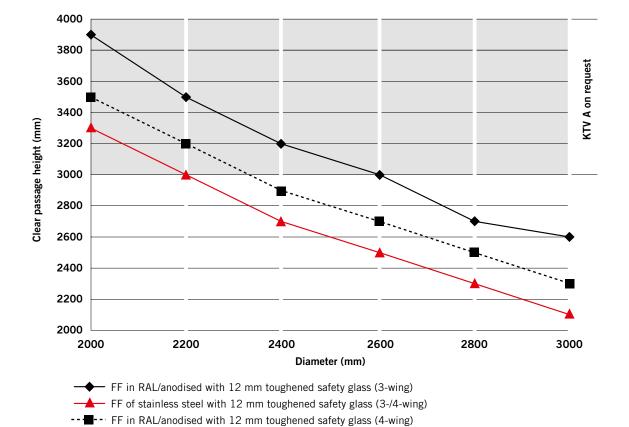
The highest indicated height is the decisive factor. Canopy covers of or beyond 700 mm on request. The upper ceiling remains at the minimum height indicated in the table.

\*For glass ceilings see product descriptions on page 8-11

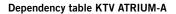


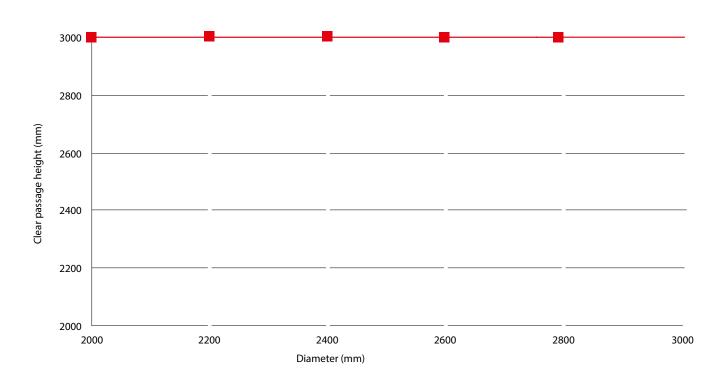
#### Dependency table for KTV 3/4 with framed turnstile

---X-- RF of stainless steel with 6 mm toughened safety glass (4-wing)

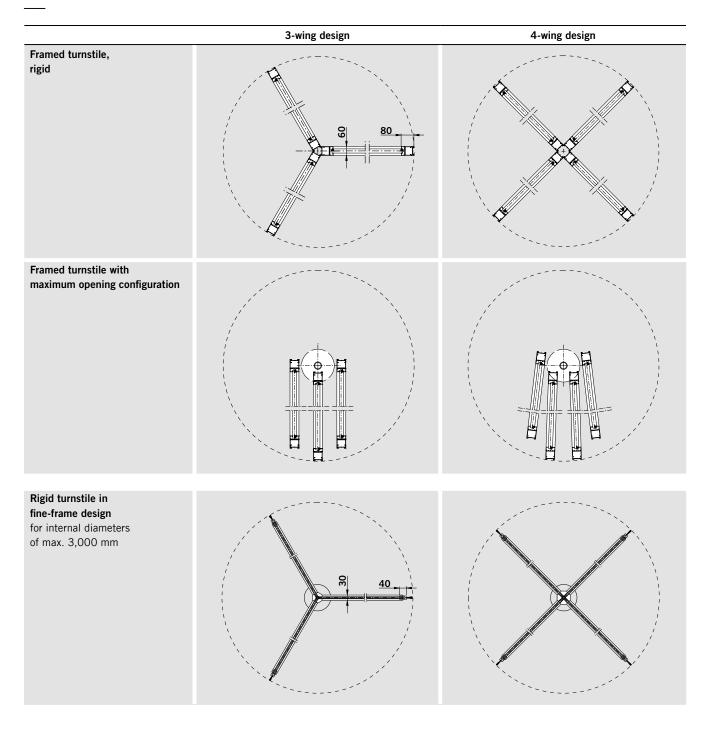


#### Dependency table KTV 3/4 with turnstile in fine-frame design



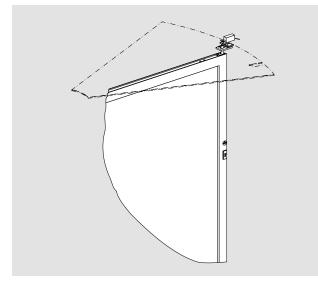


## TURNSTILE VERSIONS

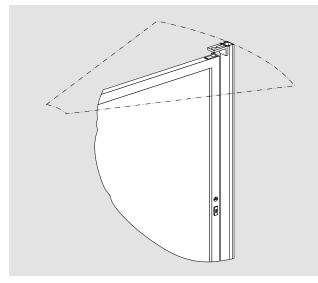


### WING LOCKS

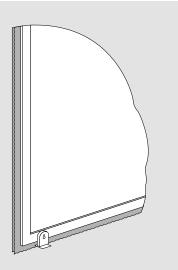
#### Manual locking device



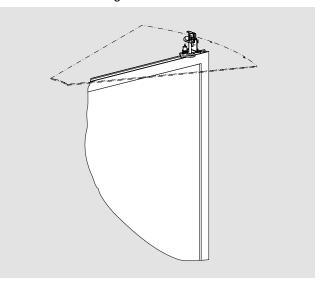
Locking device for KTV with glass ceiling (framed wings)

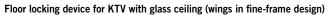


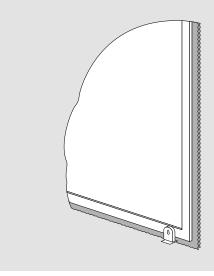
Floor locking device for KTV ATRIUM-A



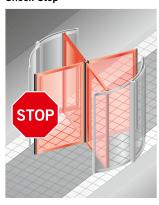
Electro-mechanical locking device









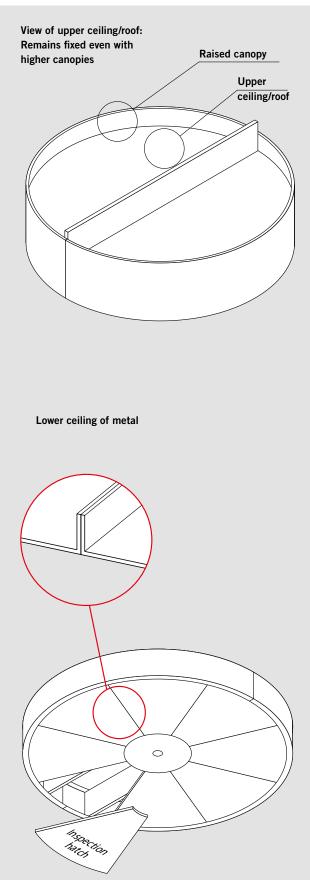


The Shock-Stop function is able to lock the turnstile in any position. In the event of a power failure the turnstile is released and can be rotated in either direction (fail-safe design). The Shock-Stop function can only be used with rigid wings and has a holding torque of 1,200 Nm.

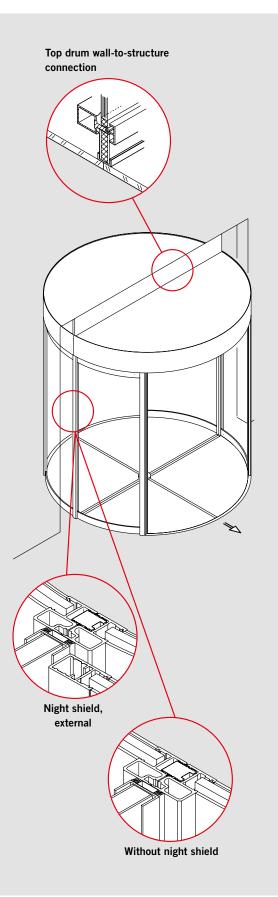
The activator for the Shock-Stop function must be positioned within sight of the door.

### CEILING STRUCTURE DRUM WALL-TO-STRUCTURE CONNECTION

Ceiling structure KTV 3/4



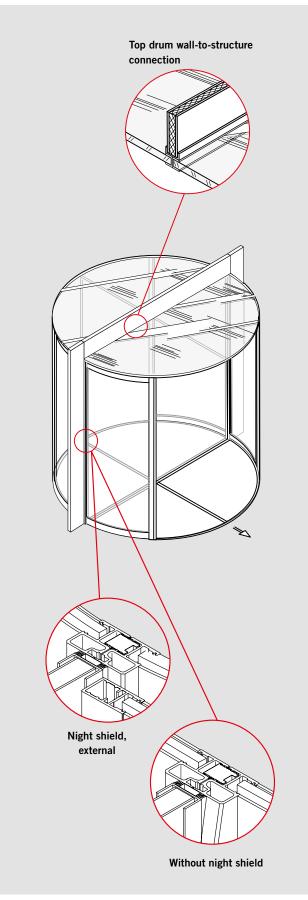
#### Drum wall-to-structure connection KTV 3/4

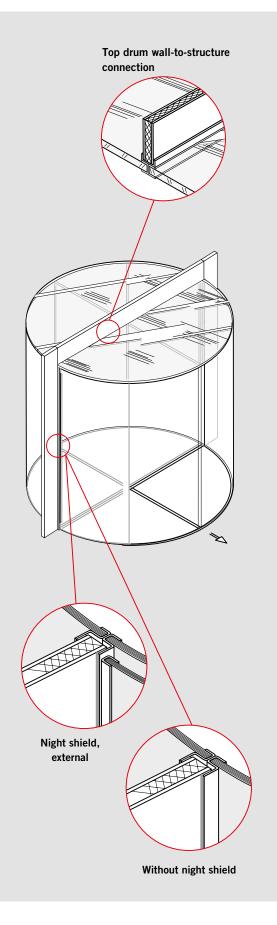


### DRUM WALL-TO-STRUCTURE CONNECTION

#### KTV with glass ceiling

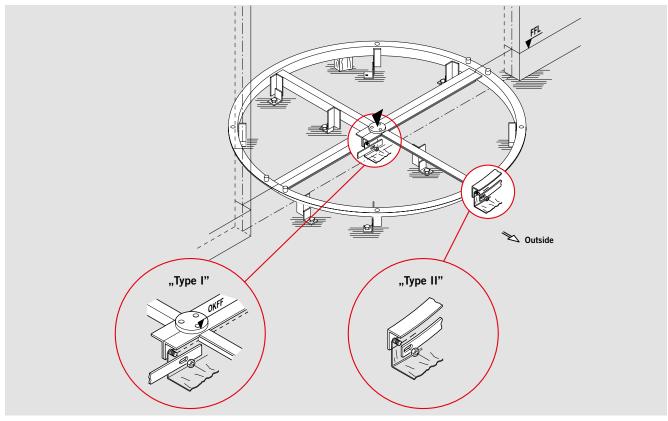
#### **KTV ATRIUM-A**



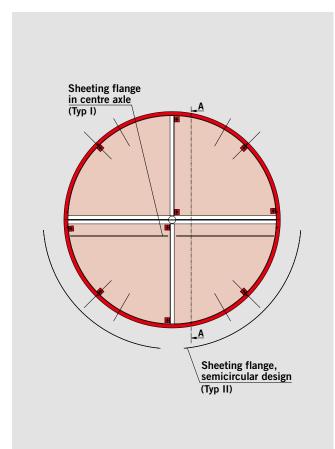


### FLOOR RING

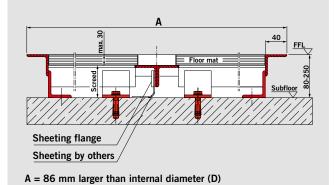
#### Without under floor operator



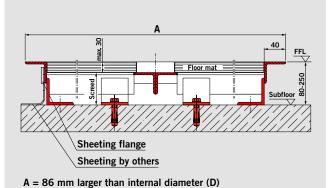
Floor ring without night shield



Cross-section A – A with sheeting flange in centre axle (Type I)

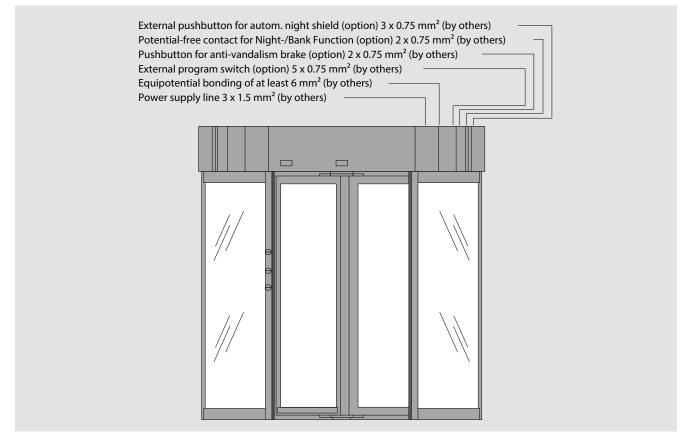


Cross-section A – A with sheeting flange, semicircular design (Type II)

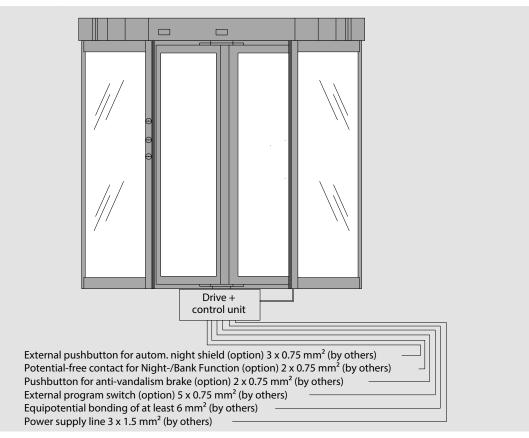


### WIRING DIAGRAMS

#### Wiring diagram KTV A canopy-integrated operator

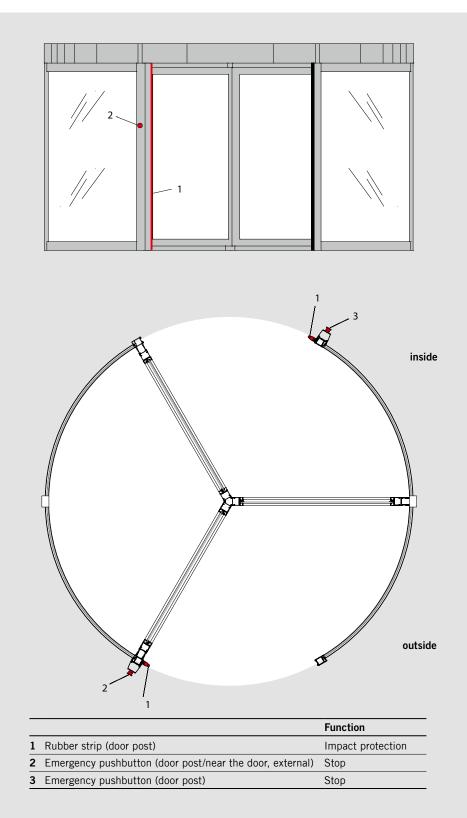


Wiring diagram KTV A under floor operator



### SAFETY EQUIPMENT

Safety equipment for KTV P/S, 3- and 4-wing design

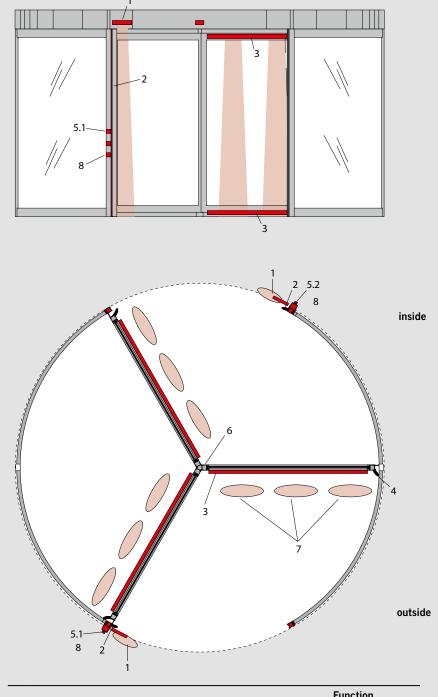


The KTV has to be equipped with an emergency pushbutton when choosing version P or S (refer to page 4). The door post has to be protected with a collide protection.

#### Please note: Safety equipment has to be selected according to the national requirements.

In order to comply with DIN 18650, doors require all below-mentioned safety equipment.

#### Safety equipment for KTV A, 3- and 4-wing design



		Function
1	Canopy-integrated sensor (door post, top/canopy)	Slow cycle/stop
2	Rubber strip (door post)	Impact protection
3	Safety contact strip (wing, bottom)	Stop
4	Safety contact strip (wing, top)	Stop
5.1	Emergency pushbutton (door post/near the door, external)	Stop
5.2	Emergency pushbutton (door post, internal)	Stop
6	Limit switch for deflection device (only for pivot-mounted wings)	Stop
7	Limit switch for deflection device (only for pivot-mounted wings)	Slow cycle/stop
8	Disabled access pushbutton (door post)	Slow cycle

Revolving doors equipped with Automatic operators offer a comprehensive range of safety equipment.

#### Fail-safe function

After the emergency pushbutton has been activated, the turnstile is disengaged from the drive unit and can then be rotated freely.

#### Please note:

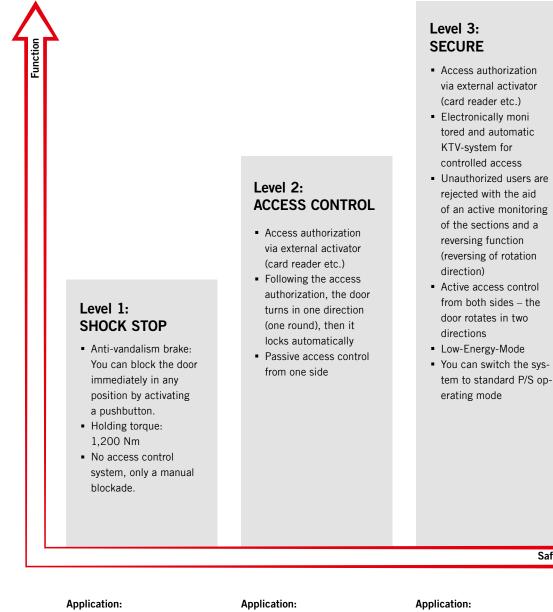
Safety equipment has to be selected according to the national requirements.

In order to comply with DIN 18650, doors require all below-mentioned safety equipment.

### ACCESS SECURITY

#### **KTV** versions for secured access

DORMA KTV revolving doors can be fitted with security equipment for controlled access depending on their equipment and the prevailing version/configuration.



For KTV in all diameters

Only for KTV A

### Diameters from 1.6 – 2.4 m

Safety

- (up to 3.8 m on request)
- KTV SECURE

For KTV in all diameters

For KTV M/P/S operator

with speed limiter

For KTV A

<u></u>	





DORMA Australia Head Office 46-52 Abbott Road HALLAM Victoria 3803 Phone 1800 675 411 info.au@dorma.com www.dorma.com.au DORMA NZ Limited Head Office Building P 61-69 Patiki Road AVONDALE Auckland 1026 Phone 0800 436 762 info.nz@dorma.com