

## NEW DOOR TYPES

Speed sectional doors, V 9015 L Stacking, V 5030 MSL



# High-Speed Doors

For optimized material flow and improved efficiency



## Spiral doors and speed sectional doors

Fast external doors with PU insulating panels for high thermal insulation

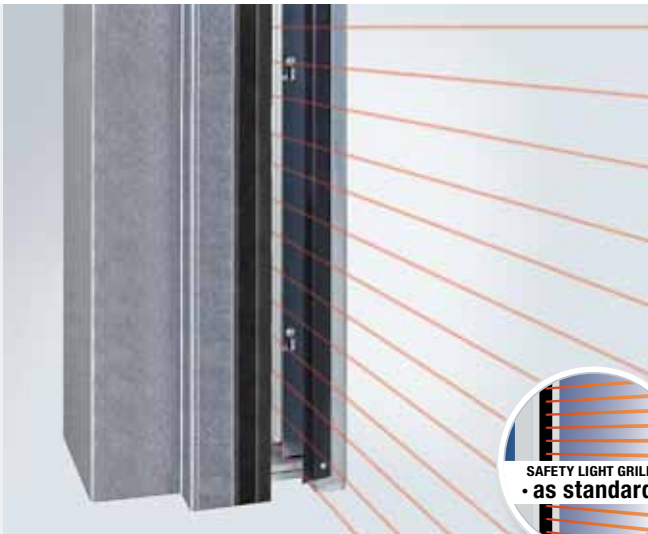


Figure: Spiral Door HS 7030 PU

These doors are characterized by their high thermal insulation, fast opening speed and light grilles as standard. The hot-galvanized, double-skinned sections with an elegant Micrograin surface finish are guided into a spiral or into tracks without contact, depending on the version.

# Innovative technology and design

In every detail



## Non-contact safety

The safety light grille integrated in the frame monitors the closing zone of the door up to a height of 2500 mm. This does away with the need for additional installations on the door (e.g., closing edge safety device, photocell). Profit from this high level of safety with a high-speed door is exceptionally easy to fit and service.



## Long service life and high efficiency as standard

The standard frequency converter control takes stress off the entire door mechanism, guaranteeing nearly wear-free, quiet door travel. The opening and closing speeds optimize your operations and reduce heat losses. In addition, it relieves the entire door mechanism through the smooth starting and braking action which considerably extends the service life of the door.



External view with Micrograin surface finish



External view of glazing



## Uniformly foamed steel sections

The hot-galvanized, double-skinned sections with PU rigid foam infill provide for particularly high thermal insulation resulting in a  $U_D$  value of  $1.95 \text{ W}/(\text{m}^2 \cdot \text{K})^*$ .

The doors are supplied as standard in white aluminum (RAL 9006) on both sides. The exterior is characterized by the fine Micrograin lines; on the interior the sections are stucco-textured.

## Optional glazing

26-mm-thick DURATEC double-glazing guarantees maximum scratch resistance and excellent thermal insulation values. An aluminum rail construction in natural finish E6 / EV 1 divides the glazing using stabilizing intermediate spacers.

\* For 25 m<sup>2</sup> door surface

# Spiral door HS 7030 PU

## With non-contact roll-up technology



### A compact spiral guide

The sections are securely guided into a spiral bracket without any contact. With the high-performance 3-phase frequency converter control (FU) and the chain mechanism with spring compensation, the door reaches an opening speed of up to 2.5 m/s. Spiral door HS 7030 PU can also be fitted externally.



External door / internal door	HS 7030 PU
<b>Size range</b>	
Max. width (LDB)	6500 mm
Max. height (LDH)	6000 mm
<b>Speed</b>	
With standard FU control AS 500 FU E	
Max. opening speed	1.5–2.5 m/s
Max. closing speed	0.5 m/s
<b>Emergency opening / emergency closing</b>	
BK 150 FU E USV, 230 V (up to approx. 9 m <sup>2</sup> door surface)	
Hand chain with spring compensation	
<b>Door leaf</b>	
Material	Steel sandwich construction, PU-foamed, DURATEC glazing optional
Depth	42 mm
Section height	225 mm
Hinge connections from approx. 3500 mm door width	
<b>Resistance to wind load (EN 12424)</b>	
Class 4, max. 133 km/h	
<b>Acoustic insulation (EN 717-1)</b>	
(Without glazing)	R = 26 dB
<b>Thermal insulation (EN 12428)</b>	
For 25 m <sup>2</sup> door size	U <sub>D</sub> = 1.95 W/(m <sup>2</sup> ·K)
<b>Door leaf colors**</b>	
Available in over 200 colors based on RAL.	
** With the exception of pearl-effect, fluorescent colors. Dark colors should not be used for doors that are exposed to the sun, as possible section deflection may restrict the door's function.	

# High-speed sectional door HS 5015 PU N

With normal track application



## The space-saving track application

For tight spaces in the lintel area, we recommend track application N. A chain mechanism with spring compensation runs the sections into horizontal tracks. This requires a low headroom of 480 mm.



External door / internal door	HS 5015 PU N
<b>Size range</b>	
Max. width (LDB)	5000 mm
Max. height (LDH)	5000 mm
<b>Speed</b>	
With standard FU control AS 500 FU E	
Max. opening speed	1.5 m/s
Max. closing speed	0.5 m/s
<b>Emergency opening / emergency closing</b>	
BK 150 FU E USV, 230 V (up to approx. 9 m <sup>2</sup> door surface on request)	
Hand chain with spring compensation	
<b>Door leaf</b>	
Material	Steel sandwich construction, PU-foamed, DURATEC glazing optional
Depth	42 mm
Section height	225 mm
Hinge connections from approx. 3500 mm door width	
<b>Resistance to wind load (EN 12424)</b>	
Class 4, max. 133 km/h	
<b>Acoustic insulation (EN 717-1)</b>	
(Without glazing)	R = 26 dB
<b>Thermal insulation (EN 12428)</b>	
For 25 m <sup>2</sup> door size	U <sub>D</sub> = 1.95 W/(m <sup>2</sup> ·K)
<b>Door leaf colors**</b>	
Available in over 200 colors based on RAL.	

\*\* With the exception of pearl-effect, fluorescent colors. Dark colors should not be used for doors that are exposed to the sun, as possible section deflection may restrict the door's function.

# Speed sectional door HS 5015 PU H

## With high-lift track application

**NEW**



### The adjustable track application

The sections are guided in horizontal tracks and can be diverted flexibly depending on the fitting situation. Thus, the door can be fitted behind or above supply lines and crane tracks. Thanks to the belt mechanism with counterweights, the door is especially low-wear and long-lasting.



External door / internal door	HS 5015 PU H
<b>Size range</b>	
Max. width (LDB)	5000 mm
Max. height (LDH)	6000 mm
<b>Speed</b>	
With standard FU control AS 500 FU E	
Max. opening speed	1.5 m/s
Max. closing speed	0.5 m/s
<b>Emergency opening / emergency closing</b>	
BK 150 FU E USV, 230 V (on request)	
Hand chain with counterbalance	
<b>Door leaf</b>	
Material	Steel sandwich construction, PU-foamed, optionally with DURATEC glazing
Depth	42 mm
Section height	225 mm
Hinge connections from approx. 3500 mm door width	
<b>Resistance to wind load (EN 12424)</b>	
Class 4, max. 133 km/h	
<b>Acoustic insulation (EN 717-1)</b>	
(Without glazing)	R = 26 dB
<b>Thermal insulation (EN 12428)</b>	
For 25 m <sup>2</sup> door size	U <sub>D</sub> = 1.95 W/(m <sup>2</sup> ·K)
<b>Door leaf colors**</b>	
Available in over 200 colors based on RAL.	
** With the exception of pearl-effect, fluorescent colors. Dark colors should not be used for doors that are exposed to the sun, as possible section deflection may restrict the door's function.	

# Speed sectional door HS 6015 PU V

With vertical track application

**NEW**



## Dependable with minimum wear

The sections run vertically on the wall of the hall, ensuring that the door cycles are very quiet and wear-free. The belt mechanism with counterweights guarantees a long service life with constant use.



External door / internal door	HS 6015 PU V
<b>Size range</b>	
Max. width (LDB)	6500 mm
Max. height (LDH)	6000 mm
<b>Speed</b>	
With standard FU control AS 500 FU E	
Max. opening speed	1.5 m/s
Max. closing speed	0.5 m/s
<b>Emergency opening / emergency closing</b>	
BK 150 FU E USV, 230 V (up to approx. 20 m <sup>2</sup> door size)	
Hand chain with counterbalance	
<b>Door leaf</b>	
Material	Steel sandwich construction, PU-foamed, DURATEC glazing optional
Depth	42 mm
Section height	225 mm
Hinge connections from approx. 3500 mm door width	
<b>Resistance to wind load (EN 12424)</b>	
Class 4, max. 133 km/h	
<b>Acoustic insulation (EN 717-1)</b>	
R = 26 dB	
<b>Thermal insulation (EN 12428)</b>	
For 25 m <sup>2</sup> door size	U <sub>D</sub> = 1.95 W/(m <sup>2</sup> ·K)
<b>Door leaf colors**</b>	
Available in over 200 colors based on RAL.	

\*\* With the exception of pearl-effect, fluorescent colors. Dark colors should not be used for doors that are exposed to the sun, as possible section deflection may restrict the door's function.