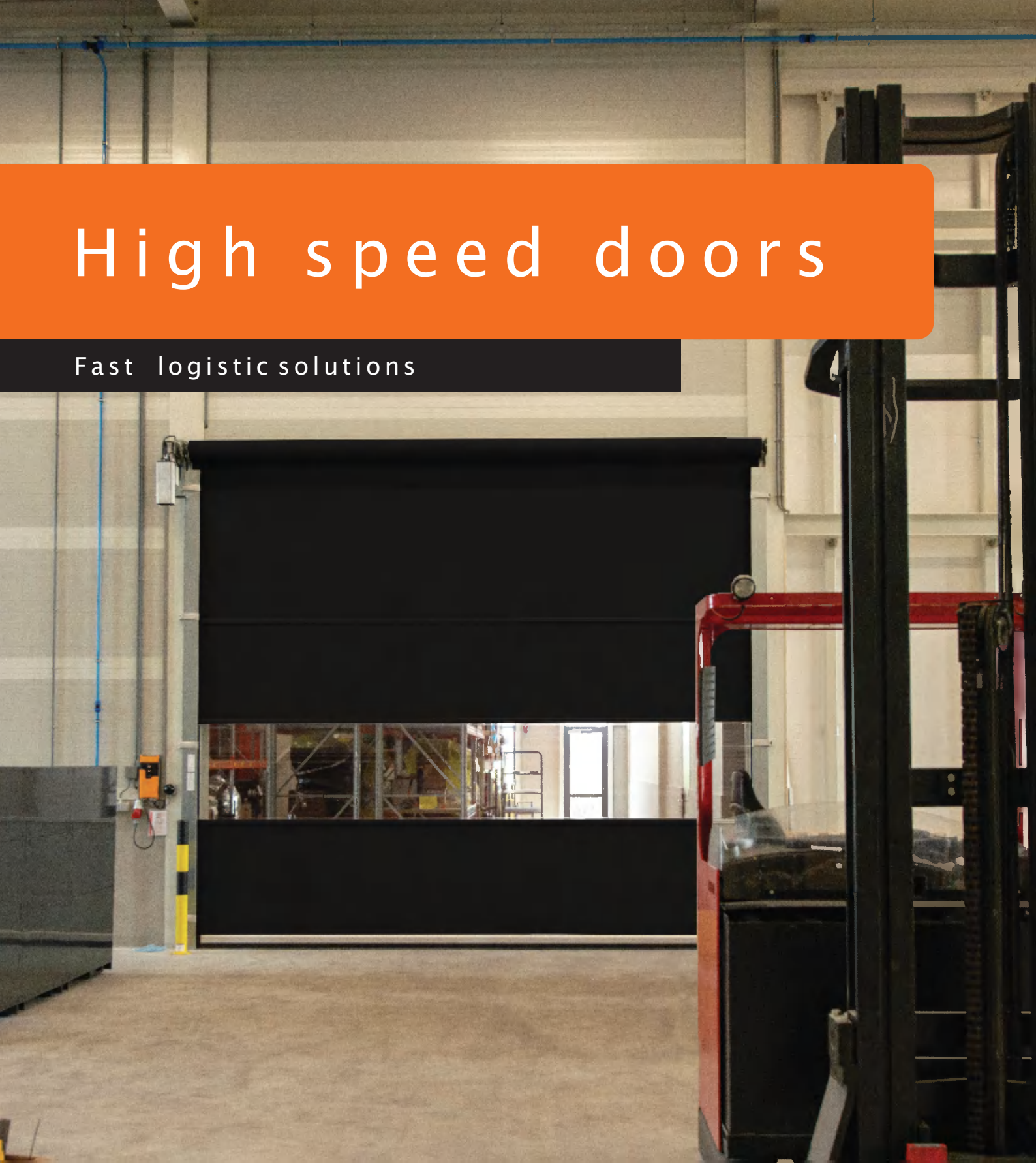


High speed doors

Fast logistic solutions

TÜV NORD Zertifizierung Baumuster geprüft

DOCK AND DOOR ENGINEERING dade.ie

Alpha, opening doors everywhere

Distinctive, dependable, durable

DOCK AND DOOR ENGINEERING
dade.ie

Our doors are always open

About Alpha

Alpha Deuren started producing high quality sectional doors in Europe in 1995 for the European industrial and residential construction trades. In 2021, the production of PVC high-speed doors will also be added.
Since then, Alpha Deuren has successfully supplied dealers and also supplies manufacturers of sectional doors in more than 30 countries. An important part of our approach to the market is a customer-oriented, pragmatic and solution-oriented attitude with a clear focus solely on the manufacture of doors: something Alpha Deuren is very good at!

Each door is made to measure

We supply international problem-solving products for every situation in which insulation, light, speed or frequency of use are important. Every door is made to measure, so that customer wishes can be realised as much as possible. Alpha Deuren distinguishes itself by its high-tech production facilities which total more than 53,000m^2; a distinctive and complete delivery programme; clear working methods; competitive prices and fast delivery times. That approach works, to this day. Every year, more than 75,000 doors are delivered to clients in more than 30 countries. Satisfied customers for which we are happy to open-up a world of new possibilities: that is the world of Alpha Deuren International.

Achievers with a hands-onmentality

We believe in a hands-onmentality and have real achievers in our team. All employees – divided over ten departments – focus on the ordering process and thus contribute to high customer satisfaction.
Working as efficiently as possible, that's the working method we all apply. "Thinking in terms of possibilities" is what we call it at Alpha Deuren. Together, we are developing increasingly intelligent production methods and continue to grow to this day.

Precision logistics

Service-oriented and cost-saving

Just in time, wherever you want

Flawless logistics

An Alpha door is made up of high-quality components that are collected at a pre-programmed location in our central warehouse, ready for shipment to the location of your choice. Our fixed transport partner ensures that your order is delivered just-in-time. Furthermore, our experienced assembly team guarantees the flawless assembly of your Alpha doors. And after that? You can always count on our professional service support, 24 hours a day.

Door-calculation

The Alpha Door-calculation program provides the Alpha dealer access to a very useful and user friendly calculation system. Through this system our dealers can prepare and calculate various complete projects. The system is constructed and build up with different product groups. ISO, ALU and Panorama Sectional Doors in 40 mm and 60 mm thickness, Roller and fast action Roller Doors, Garage Doors, Levellers and Shelters (Docking Equipment). The output from our calculation system generates offers and detailed project descriptions ready to be sent to their client and dealer corporate identity is also an option. Alpha offers further professional service as the client specific conditions are set within the system and at any given time the price is shown.

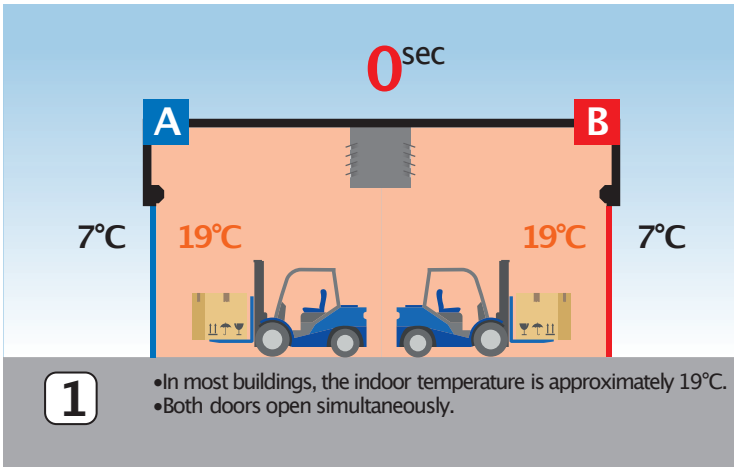
BIM projects

BIM drawings of sectional doors are increasingly being requested for projects. Previously, it was only the larger contractors that used the BIM system, but we see that more and more smaller contractors are also using the BIM system. Within the Alpha Doorcalculation program, you can easily compile the requested drawings yourself. In this way, you can help the contractor with 3D files to prevent problems on the construction site.

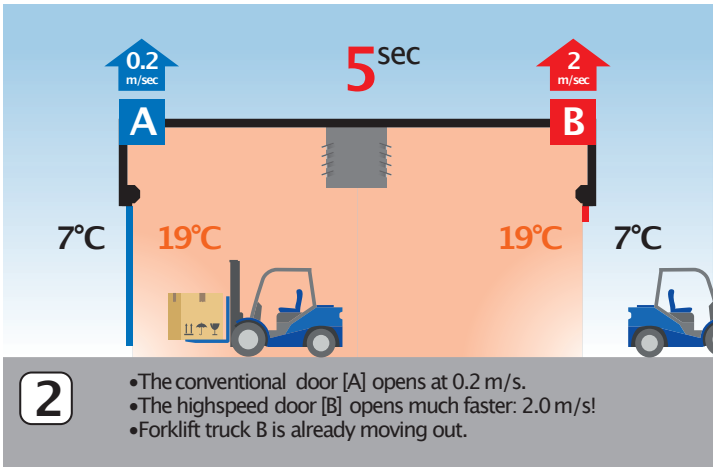
Why a highspeed door?

Working efficiently means working economically. Alpha highspeed doors help you improve your logistic performance. Alpha offers a tailor–made solution for almost every situation. Our own Research and Development department reacts quickly to the ever–changing demands placed on highspeed doors. Industrial buildings are subject to increasingly stringent requirements in terms of energy conservation now and in the future. Research by the Technical University of Munich has shown that the influence of (High–speed) industrial doors on the energy consumption of industrial buildings is very high. The study shows that the inside temperature of a building or room with an open door –depending on outside temperature and type of building –drops quickly. This means that the shorter a door is open, the less the inside temperature will drop.
Draughts also become much less, which means that the temperature in the building remains more comfortable.

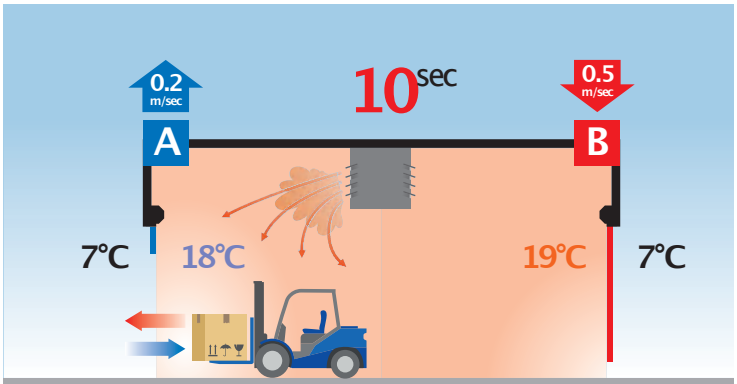
The figures below show that with a conventional outside door (A) air flows occur that cause energy losses. With a high–tech 'rapid roll door from Alpha (B) the door is already closed before these air flows get going. This ensures a constant inside temperature, saves you a lot of energy loss, creates a pleasant working climate and prevents your staff from taking unnecessary sick leave.



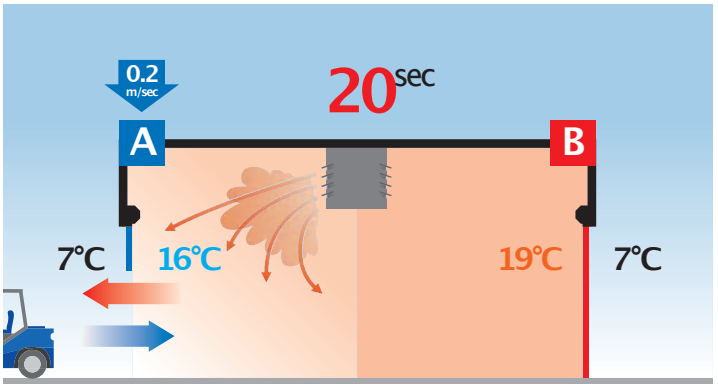
1
- In most buildings, the indoor temperature is approximately 19°C.
- Both doors open simultaneously.



2
- The conventional door [A] opens at 0.2 m/s.
- The highspeed door [B] opens much faster: 2.0 m/s!
- Forklift truck B is already moving out.



3
- The conventional door [A] opens slowly, cold air enters via the bottom and hot air escapes via the top.
- The highspeed door [B] is already closed before this airflow occurs.



4
- The conventional door [A] closes slowly, but the air flow still causes the inside temperature to drop.
- Forklift truck A is also out after a long wait.

Which highspeed/foldingdoor is the best choice? Let us help you!

The choice of the type of highspeed/folding door depends on several factors, including:

- obviously the size of the passageway
- the wind pressure that may occur in the passageway
- the opening frequency
- the desired speed

On page 10 you will find our product finder.
By answering a few questions, you can see which rapid roll door is the right choice for your location.

Wind load classification

The minimum wind resistance is indicated in Beaufort, the maximum wind load class in accordance with EN 12424.
This allows you to better assess the meaning of the wind load values. You can also see which application area belongs to which wind load class.

Wind force in Beaufort	Wind force in Beaufort	Wind speed	Classification DIN EN 12424	Application
0 – Silent	0.0 – 0.0	< 1 km/h		**Low wind pressure** Smaller passage Smaller spaces Occasional use
1 – Slight draught	0.0 – 0.1	1 – 5 km/h		
2 – Slight draught	2.0 – 5.9	6 – 11 km/h		
3 – Weak breeze	6.9 – 17.7	12 – 19 km/h		
4 – Moderate breeze	18.6 – 38.3	20 – 28 km/h		**Moderate wind pressure** Larger passage Larger spaces Regular use
5 – Fresh breezes	39.2 – 70.6	29 – 38 km/h		
6 – Strong breeze	71.6 – 116.7	39 – 49 km/h		
7 – Strong wind	117.7 – 179.5	50 – 61 km/h		
8 – Stormy wind	180.5 – 262.9	62 – 74 km/h		
9 – Storm	263.9 – 365.9	75 – 88 km/h	Class 1 – 300 N/m^2	**High wind pressure** Large passageway Large rooms In exterior facade Intensive use
10 – Severe storm	366.9 – 495.4	89 – 102 km/h	Class 2 – 450 N/m^2	
11 – Very severe storm	496.4 – 652.4	103 – 117 km/h	Class 3 – 700 N/m^2	
12 – Hurricane	653.3 – 836.8	118 – 133 km/h	Class 4 – 1000 N/m^2	
13 – Hurricane	837.8 – 1039.9	134 – 149 km/h	Class 5 > 1000 N/m^2	
14 – Hurricane	1049.7 – 1294.9	150 – 166 km/h		
15 – Hurricane	1304.7 – 1579.4	167 – 183 km/h		

Applications

The extensive range of draught-excluding solutions from Alpha is used in just about all market sectors. The exact type of door depends on the specific application and the conditions in which it is to operate. Our standard range offers solutions for most situations. Based on your input, we can also engineer and supply custom-made solutions to satisfy any special requirements you may have.

Light /heavy industry

The light and heavy industry sectors require a wide variety of draught-excluding solutions.
Alpha's extensive range of doors includes suitable solutions for practically any situation in these sectors. These products are easy to assemble, operate reliably for extended periods and require little maintenance. So our products guarantee you operating reliability, business continuity and safety.

Pharmacy and chemistry

The pharmaceutical and chemical industries require suppliers to meet challenging standards in the areas of hygiene, sealing, operating reliability, fitting and providing efficient aftersales service.

Retail

In modern supermarkets,the shelves are always well stocked with an extensive range of products. Intensive traffic between the storeroom and the retail shop space is required to keep the shelves filled. In view of this level of traffic, a rapid roll door is often chosen to separate the retail space from the storeroom. It operates at highspeed, opens and closes automatically, is safe for users,hardly takes up any space and is a low–noise product.

Automotive

A typical car factory produces approximately one thousand cars a day on average. This level of production requires an immense flow of goods and timely delivery is of vital importance.

As a result, the doors used in this logistics flow also have to satisfy demanding requirements. Alpha offers products that operate dependably under these conditions, day–inand day–out.

Food industry

Alpha is a recognised name in the food industry. In Europe we have a long history of supplying our products to major food pro–ducers and processors.

We also have extensive experience with cold store manufactu–rers. We know from experience that this sector involves more than simply using materials such as stainless steel and compli–ance with strict hygiene requirements, there is also strong demand for custom–made solutions. These usually focus on cost efficiency and ensuring production process continuity.

Logistics

When products are ready, need to be transported to the end customer as quickly and efficiently as possible. Consequently, many European companies subcontract warehousing, transhipment and delivery to large logistics distribution centres.

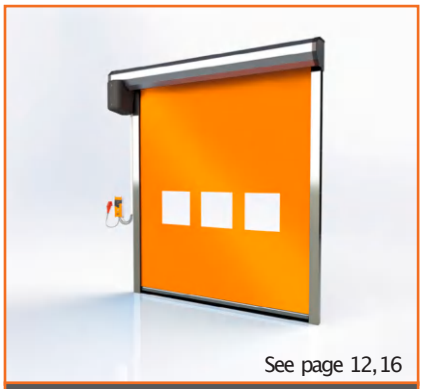
The doors involved in these logistic flows often open and close many times a day.

Highspeed doors for indoor use

Highspeed doors for indoor use

High speed doors for indoor use are designed to be mounted inside a building. This can be in a passageway between rooms or on the inside of an exterior wall. Which door is most suitable for your situation depends on many factors. Firstly, the size and wind pressure in the passageway. Often, smaller spaces will have less wind pressure than between large halls or in an airlock.

With the help of the diagram on this page, you can determine which door is most suitable for you.
For the exterior doors go to page 36



See page 12, 16

PRIME (PRIME-XF)

wind load

Wind class 0 min. 3 Beaufort
Weak breeze up to 19 km/h

Wind class 0 min. 7 Beaufort
Harde wind tot 61 km/h
with 'WindLoad Optimiser'

dimension

Max. 3500 x 3500 mm
Max. 12.25m²

options

Prime, See page 12
Prime XF, See page 14

See page 20, 24

STRONG, STRONG-E STRONG-FULLVISION

wind load

Wind class 0 /min. 8 Beaufort
Stormy wind -up to 74 km/h

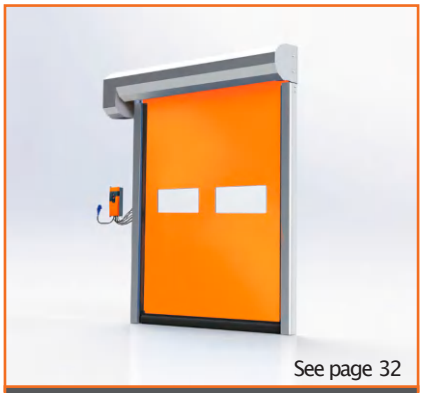
dimension

Strong-E, Max. 3000 x 3000 mm
Max. 9m²

Strong-FV, Max. 5000 x 5000 mm
Max. 25m²

options

Strong-E, See page 20
Strong-Full Vision, See page 24



See page 32

NOVOZIP

wind load

Wind class 3 /max. 11 Beaufort
Very severe storm -up to 117 km/h
with reinforced running rails

dimension

Max. 20.25m²

Max. 4500 x 4500 mm

options

The suggestion obtained by completing this diagram is not binding. No rights can be derived from it.

PRIME

The quick, silent solution to draught

The highspeed door Prime is a good solution for medium–sizedopenings up to 12.25m^2 and normal use. Ideal for the daily passage of people and light goods. The one–piecedoor curtain is extremely quiet and can be printed with any required imprint. Alpha High speed doors are used in many supermarkets because they are practical in use, save a lot of energy and improve the atmosphere in the shopping area with their beautiful, clear print.

Max. surface area	Max. Wind load class	Max. opening speed
12.25 m²	0 (3(7) Bft)	1.5 m/s
W x H = 3,500 x 3,500 mm	(with WindLoad Optimiser)	with frequency control

- **Wind resistant** up to at least 3 Bft or even up to 7 Bft with WindLoad Optimiser. Class 0 according to EN12424
- **Silent** the door curtain is manufactured in one piece and is therefore virtually noise-free
- **Safe** equipped with a safety light curtain as standard, optionally with a soft FlexEdge bottom beam
- **Robust** steel guide columns guide the door curtain made of polyester-reinforced plastic fabric
- **Draught-free** the door curtain is sealed with sliding strips, the bottom beam has a rubber sealing profile
- **Chique** the door leaf can be provided with a full colour print of your own design! How about a nice photo of your products, or your logo or your logo, or a photo that fits nicely into your interior?

Application

- Supermarkets
- Food industry
- Laboratories
- Light Industry

Properties	Prime
Max. surface area (W x H)	12.25 m²
Max. width (W)	3,500 mm
Max. height (H)	3,500 mm
Minimum wind load (*with WindLoad Optimiser)	3 / 7* Bft
Max. wind load class -EN 12424	0
Closing speed with frequency control	0.5 m/s
Opening speed with frequency control	1.5 m/s
Opening / closing speed with standard control	1.0 m/s
Door curtain thickness (standard / optional)	0.7 / 1.2 mm
Fabric weight (standard / optional)	680 / 1400 gr/m²
Suitable as an outside door	no

* depending on configuration.

For all technical details see page 56

Extra safe: the soft FlexEdge bottom bar (option)

Available in the following RAL colours as standard:

1003 | 2009 | 3020 | 5005 | 7024 | 7038 | 9003 | 9004

Optionally available with 1.2 mm door curtain in RAL colours:

Application examples

High Speed Door Prime:
Convenient and beautiful in every situation!

Supermarkets must be continuously restocked from the warehouse. It is crucial that shop personnel can enter and exit the warehouse very quickly with trolleys or carts carrying fresh products. By using a large push button or card reader, the shop personnel can quickly enter and exit the warehouse, but the shoppers cannot. Because the Prime opens quickly and closes relatively quickly, the climate in your shop remains pleasant.

The one-piece door curtain can be printed with any desired imprint. An ideal opportunity to turn a closed passage into a beautiful eye-catcher. All in all, enough reasons to ensure that Alpha highspeed doors have been used as standard in all branches of many well-known supermarket chains for many years!

Fast, practical and hygienic

Laboratories must be dust-free. It is therefore vital – sometimes literally – that the doors open and close quickly in order to maintain the overpressure that prevails in these areas. By using motion detectors or a ClearWave control, staff do not need to touch anything to open the door quickly, thus keeping their hands sterile.

The food industry often needs small, fast doors that are easy to keep clean and can be operated with a pull cord, for example from a small forklift or pump truck. If the wind pressure in the passageway is not very high, a Prime is very well suited to this situation.

Options

Frequency control Rapid control with soft start/stop	Clone
HardEdge bottom beam Stability and wind resistance	Check
FlexEdge bottom beam Added safety for personnell and goods	Clone
Safety light curtain Securing the passageway up to 2.5mhigh	Check
Tested and approved BS EN13241:2003+A2:2016compliant	Check
Full colour print Your own design on the door curtain	Clone
Stainless steel columns Easy to clean and never rust	Clone
WindLoad Optimiser Increases the maximumwind resistance	Clone
EasyRepair Repair the door without tools /assistance	Clone

Check=Standard Clone=Optional

Controls

Standard:
TS971

Full colour printed photo
your own design on the door curtain

Prime-XF

The extra fast, silent solution against draughts

The fast highspeed door Prime-XF is designed for highspeed in intensive use. Ideal for fast passage of people and light goods. This innovative door is very widely applicable for openings up to 12.25 m^2. The one-piece door curtain is extremely quiet and can be printed with any required imprint. Especially the highspeed makes this door very suitable for passages that are used very frequently. With a cord switch or motion detector, your staff can pass through in no time.

Max. surface area	Max. Wind load class	Max. opening speed
12.25 m²	0 (3(7) Bft)	2.3 m/s
W x H = 3,500 x 3,500 mm	(with WindLoad Optimiser)	with frequency control

- **Wind resistant** up to at least 3 Bft or even up to 7 Bft with WindLoad Optimiser. Class 0 according to EN12424
- **Walking** or driving through the door in a hurry is a breeze with the PRIME-XF. With a motion detector or remote control -for example -the door opens so fast that traffic hardly has to slow down
- **Silent** the door curtain is manufactured in one piece and is therefore virtually noise-free
- **Safe** equipped with a safety light curtain as standard, optionally with a soft FlexEdge bottom beam
- **Robust** steel guide columns guide the door curtain made of polyester-reinforced plastic fabric
- **Draught-free** the door curtain is sealed with sliding strips, the bottom beam has a rubber sealing profile

Application

- Supermarkets
- Food industry
- Laboratories
- Light Industry

Properties	Prime-XF
Max. surface area (W x H)	12.25 m²
Max. width (W)	3,500 mm
Max. height (H)	3,500 mm
Minimum wind load (*with WindLoad Optimiser)	3 / 7* Bft
Opening speed with frequency control	2.3 m/s
Closing speed with frequency control	0,5 m/s
Door curtain thickness	1.2 mm
Fabric weight	1,400 gr/m²
Suitable as an outside door	no

* with WindLoad Optimiser
* depending on configuration.

For all technical details see page 56

The aluminium top roller is light and fast

Optionally available with 1.2 mm door curtain in colours:

1023 | 2009 | 3020 | 5002 | 7038 | 9003 | 9004

Application examples

Modern top cover and a personalised imprint

Supermarkets need super–fastaccess to their warehouse, so that the shop can be replenished quickly at any time. The Prime–XF is even faster than the regular Prime.
Only shop personnel are allowed to enter the warehouse. In addition, the door must not remain open for long periods of time or there will be draughts, which would prevent a pleasant indoor environment for the customers.

The Prime–XF meets all these requirements:

- Super fast (up to 2.3 m/s!)
- Only accessible with entrance card or access code*
- Closes draught–proof again in super–fast time
- With a nice personal imprint of your choice, the Prime–XF also looks great, like a life–sizecanvas painting in your shop!


Solid: the AlphaHardEdge bottom beam

Logisticscompanies have precisely coordinated cargo flows. By using fast highspeed doors with smart controls, these flows can also take place between several halls as efficiently as possible. Especially in large halls with many personnel, it is difficult to maintain a good indoor climate
if there are small to medium–sizedpassageways that open and close frequently. The Prime–XF is ideal for this situation: fast, reliable and above all quiet, which is also important in a large hall where every sound reverberates.

Options

Frequency control Rapid control with soft start/stop	Check
HardEdge bottom beam Stability and wind resistance	Check
FlexEdge bottom beam Added safety for personnell and goods	Clone
Safety light curtain Securing the passageway up to 2.5mhigh	Check
Tested and approved BS EN13241:2003+A2:2016compliant	Check
Full colour print Your own design on the door curtain	Clone
Stainless steel columns Easy to clean and never rust	Clone
WindLoad Optimiser Increases the maximumwind resistance	Clone
EasyRepair Repair the door without tools /assistance	Clone

Check=standard Clone=optional

Controls

Standard:
TS971

Frequency control
Super fast with pull cord operation!

Strong-E

All essential functions in an economy package

The highspeed door Strong-E is a good solution for openings up to 9 m^2 with moderate wind pressure. Ideal for the daily passage of people and light goods. The reinforcement profiles provide additional stability. The opening speed of 1.8 m/s makes this door practical even in heavy traffic. Useful for production processes that run quickly and where downtimes are not tolerated. This innovative door has a very wide range of use.

Max. surface area	Max. wind load class	Max. opening speed
9 m²	0 (min. 8 Bft)	1.8 m/s
W x H = 3,000 x 3,000 mm	in accordance with EN 12424	with frequency control

- **Wind resistant** up to at least 8 Bft. Class 0 according to EN12424
- **Fast** the Strong-E is ideal for fast walking or driving through, even in situations with slightly higher wind pressure, such as production halls. If your production process needs to run quickly, the Strong-E gives you the continuity you need.
- **Safe** equipped with a safety light curtain as standard, optionally with a soft FlexEdge bottom beam
- **Robust** steel guide columns guide the door curtain made of plastic fabric with reinforcement profiles
- **Draught-free** the door curtain is sealed with sliding strips, the bottom beam has a rubber sealing profile

Application

- Distribution centres
- Warehouses
- Food industry
- Light to heavy industry

Properties	STRONG-E
Max. surface area (W x H)	9 m²
Max. width (W)	3,000 mm
Max. height (H)	3,500 mm
Minimum wind load in Beaufort	8 Bft
Max. wind load class -EN12424	0
Opening speed with frequency control	1.8 m/s
Closing speed with frequency control	0.5 m/s
Opening / closing speed with standard control	1,0 m/s
Door curtain thickness (standard)	0.7 mm
Fabric weight (standard / optional)	680 gr/m²
Suitable as an outside door	no

For all technical details see page 56

Reinforcement profiles for stability and speed

Available in the following RAL colours as standard:

1003 2009 3020 5005 7024 7038 9003 9004

Application examples

Your warehouse closed quickly and securely

A warehouse has to be quickly and easily accessible, but equally free from draughts.
A large push button or a radar control allows your personnel through quickly. This keeps your warehouse at the right temperature and the products still easily accessible. With a code panel, your employees can get in and out quickly, but customers are simply but effectively kept out of your warehouse. This is very useful in busy shops. That is why the strong-Eis frequently used in the retail sector.

When the wind pressure in the doorway exceeds 3 Bft, a Prime may not be enough, but when a large and sturdy Strong is not needed either, the highspeed door Strong-Eis the right choice for you.

Stable with reinforcing profiles and Hard-Edge

Special rooms that need to be closed quickly and draught-free, but which also need to be opened easily, for example with a remote control, can be closed perfectly with a Strong-E. Thanks to its ease of use, reliability and low purchase price, the highspeed door Strong-Eis the right choice in many situations.

Options

Frequency control Rapid control with soft start/stop	Clone
HardEdge bottom beam Stability and wind resistance	Check
FlexEdge bottom beam Added safety for personnell and goods	Clone
Safety light curtain Securing the passageway up to 2.5mhigh	Check
Tested and approved BS EN13241:2003+A2:2016compliant	Check
Stainless steel columns Easy to clean and never rust	Clone
WindLoad Optimiser Increases the maximumwind resistance	Clone
EasyRepair Repair the door without tools /assistance	Clone

Check=standard Clone=optional

Controls

Standard:
TS971

Just drive on
without stopping with frequency control (option)

Strong FullVision

A clear solution for busy passages

The highspeed door Strong–FullVision is the transparent Vision of the standard rapid roll door for indoors: reliable technology for years of trouble–free operation and a good view. Ideal for passages that are frequently used from several directions. It is immediately obvious when someone is coming from the other side of the door, so accidents caused by poor visibility are prevented.

Max. surface area	Max. wind load class	Max. opening speed
25 m²	1* (min. 7 Bft)	1.8 m/s
W x H = 5,000 x 5,000 mm	in accordance with EN 12424	with frequency control

- **Wind resistant** up to at least 7 Bft. (5,000 x 5,000 mm) Class 2 according to EN12424 (up to 3,000 mm wide)
- **Completely transparent** the traffic on the other side of the door is clearly visible
- **Noise reduction** the door leaf is fitted with additional sound insulation as standard and is almost noise-free
- **Safe** equipped with a safety light curtain as standard, optionally with a soft FlexEdge bottom beam
- **Robust** steel guide columns guide the door curtain made of highly flexible transparent plastic
- **Draught-free** the door curtain is sealed with sliding strips, the bottom beam has a rubber sealing profile
- **Installation** in any passageway up to 25 m² inside the building, not suitable for installation in the outer wall

Application

- Light to heavy industry
- Workshops with heavy traffic from both directions
- Situations where high visibility is required
- Drive-through areas

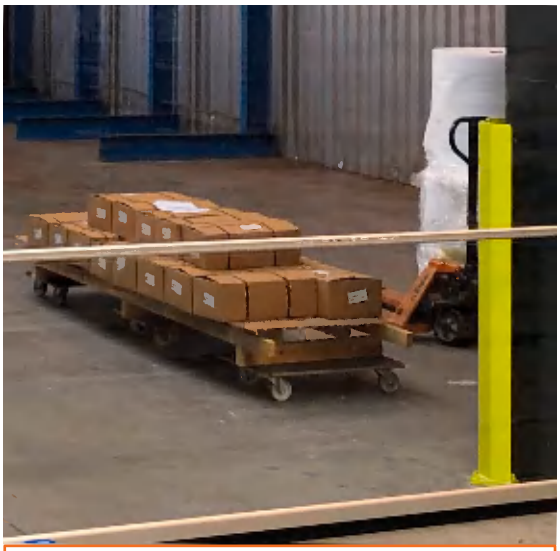
Properties	**Strong** Full Vision
Max. surface area (W x H)	25 m²
Max. width (W)	5,000 mm
Max. height (H)	5,000 mm
Minimum wind load in Beaufort	7 Bft
Max. wind load class -EN12424	1*
Opening speed with frequency control	1.8 m/s
Closing speed with frequency control	0.5 m/s
Opening / closing speed with standard control	1,0 m/s
Door curtain thickness	0.8 mm
Suitable as an outside door	yes

* depending on configuration.

For all technical details see page 56

A clear view of what is happening in the other room

Application examples



Compact but sturdy: the HardEdge bottom beam

Garage owners who want to give their customers a view into the workshop can keep the showroom and workshop strictly separated with the Strong-FV. Everyone can see into the workshop, which gives your customers more confidence in your mechanics. However, customers cannot enter the workshop, which means your mechanics can continue their work undisturbed. The Strong-FV also allows you to control the climate difference between the showroom and the workshop much better. Draughts and noise do not pass from one area to the other. In short, a must for every modern garage.

Drive-through areas want their visitors to wait for their turn, but also give them the chance to see how long they have to wait. Here too, the Strong-FV is the ideal solution!

Options

Frequency control Rapid control with soft start/stop	Clone
HardEdge bottom beam Stability and wind resistance	Check
Safety light curtain Securing the passageway up to 2.5mhigh	Check
Tested and approved BS EN13241:2003+A2:2016compliant	Check
Stainless steel columns Easy to clean and never rust	Clone
WindLoad Optimiser Increases the maximumwind resistance	Clone
EasyRepair Repair the door without tools /assistance	Clone

Check=standard Clone=optional

Controls

Standard:
TS971

Safety light curtain
the door never closes on interruption

Strong

Appearance and performance in perfect harmony

The highspeed door STRONG is designed for highspeed and intensive use. Ideal for the fast passage of people and goods, also in situations with high wind pressure. Applicable for openings up to 25 m^2. The reinforcing profiles provide additional stability. The opening speed of 1.8 m/s makes this door practical even for heavy traffic and large passages. Ideal for large production processes that run quickly and where breakdowns are not allowed to occur.

Max. surface area	Max. wind load class	Max. opening speed
25 m²	2 (min. 7 Bft)	1.8 m/s
W x H = 5,000 x 5,000 mm	in accordance with EN 12424	with frequency control

- **Wind resistant** up to at least 7 Bft. (5,000 x 5,000 mm) Class 2 according to EN12424 (up to 3,000 mm wide)
- **Fast** opening and closing fast, and doing so very often, is the strength of the highspeed door STRONG
- **Maximum reliability** under all conditions with this highspeed door for indoor use
- **Noise reduction** the door leaf is provided with additional sound insulation as standard
- **Safe** equipped with a safety light curtain as standard, optionally with a soft FlexEdge bottom beam
- **Robust** ith the WindLoadOptimiser the Strong becomes even sturdier and more stable in high wind loads

Application

- Distribution centres
- Warehouses
- Large industrial halls
- Heavy Industry

Properties	Strong
Max. surface area (W x H)	25 m²
Max. width (W)	5,000 mm
Max. height (H)	5,000 mm
Minimum wind load in Beaufort	7 Bft
Max. wind load class –EN12424	2*
Opening speed with frequency control	1.8 m/s
Closing speed with frequency control	0.5 m/s
Opening / closing speed with standard control	1,0 m/s
Door curtain thickness (standard / optional)	0.7 / 1.2 mm
Fabric weight (standard / optional)	680 / 1,400 gr/m²
Suitable as an outside door	no

* depending on configuration.

For all technical details see page 56

WindLoad Optimiser1: maximum wind resistance

Available in the following RAL colours as standard:

1003 | 2009 | 3020 | 5005 | 7024 | 7038 | 9003 | 9004

Optionally available with 1.2 mm door curtain in the RAL colours:

1023 | 2009 | 3020 | 5002 | 7038 | 9003 | 9004

[1] Option *depending on configuration

Application examples

Resistant to high wind pressure in large warehouses

In large warehouses heating and/or air-cleaning systems can create a difference in air pressure with the adjacent warehouse or with outside. Every door in the warehouse must be able to withstand the enormous wind load that can occur when all the accumulated air pressure from the entire warehouse is forced through the relatively small door opening.

A solid sectional door can withstand this wind load but opens and closes slowly. As a result, you lose a lot of heat, create a strong draught and hold up your production process unnecessarily.

The highspeed door Strong is ideal in this situation!

Hygienic: concealed hinges (option)

Logistics service providers operate most efficiently if all traffic between the various halls runs smoothly and quickly. By using the right controls, you can determine exactly who can and cannot pass through which door. The traffic then not only runs quickly, but also in a highly structured manner. This enables you to precisely control the logistical flows within your buildings, which in turn makes even greater efficiency possible.

The food industry needs doors that are fast, reliable and hygienic. The highspeed door Strong is perfect for this situation: Fast with the optional Frequency Control. Reliable due to the solid base construction with additional reinforcement profiles. Hygienic with the optional stainless steel columns, shielded hinges and mould-resistant seals.

Options

Frequency control Rapid control with soft start/stop	Clone
HardEdge bottom beam Stability and wind resistance	Check
FlexEdge bottom beam Added safety for personnell and goods	Clone
Safety light curtain Securing the passageway up to 2.5mhigh	Check
Tested and approved BS EN13241:2003+A2:2016compliant	Check
Stainless steel columns Easy to clean and never rust	Clone
WindLoad Optimiser Increases the maximumwind resistance	Clone
EasyRepair Repair the door without tools /assistance	Clone

Check=standard Clone=optional

Controls

Standard:
TS971

Frequecy control
fast opening =minimal delay

NOVOZIP

Self–repairing rapid roll door

The self–repairinghighspeed door NovoZip is the ideal solution for openings of up to 20.25m^2 and intensive use. The self–repairing operation of the self–lubricating track reduces interruptions and ensures minimum delay in the production process. The NovoZip is intended as a fast, user–friendlyroom divider and provides very good draught exclusion and climate control. This results in significant energy savings.

Max. surface area	Max. wind load class	Max. opening speed
20.25 m²	3 (min. 11 Bft)	2 m/s
W x H = 4,500 x 4,500 mm	in accordance with EN 12424	with frequency control

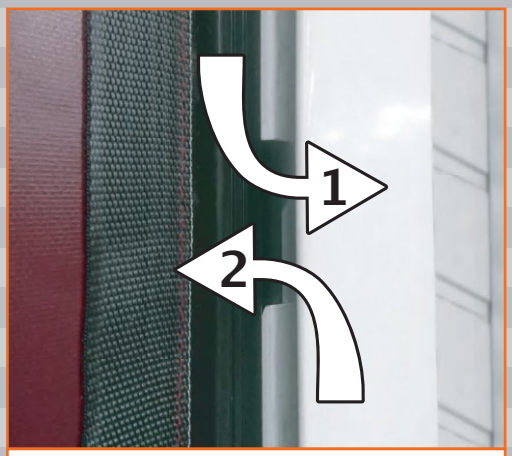
- **Wind resistant** up to at least 11 Bft. Class 3 according to EN12424
- **Self-repairing** the door curtain automatically returns into the columns after a collision
- **Silent** the door curtain is manufactured in one piece and is therefore virtually noise-free
- **Safe** equipped with a safety light curtain and a soft FlexEdge bottom beam as standard
- **Robust** steel guide columns guide the door curtain made of polyester-reinforced plastic fabric
- **Draught proof** the zip fastener technology ensures a good draught proofing, as does the rubber sealing.
- **Installation** in every passageway up to 20.25 m² in the building and on the inside of the external facade

Application

- Supermarkets
- Food industry
- Laboratories
- Cleanrooms
- Light Industry

Properties		NOVOZIP
Max. surface area (W x H)		20,25 m²
Max. width (W)		4,500 mm
Max. height (H)		4,500 mm
Minimum wind load in Beaufort		11 Bft
Max. wind load class –EN12424		3
Opening speed with frequency control		2.0 m/s
Closing speed with frequency control		0.5 m/s
Door curtain thickness		1 mm
Fabric weight	Class M2	900 gr/m²
Fabric weight (option)		1,050 gr/m²
Suitable as an outside door		yes

For all technical details see page 56



The SelfRepair function guarantees continuity

Available as standard in 900 gr/m² door curtain in the following RAL colours:

1003 | 2004 | 3002 | 5002 | 5015 | 6026 | 7038 | 9016 | 9005

Optionally available with 1,050 gr/m² door curtain:

9016

Application examples

Heavy–duty zip system and FlexEdge bottom beam

In light and heavy industry it is crucial that the production processes continue and that there are no delays. If production takes place in several buildings, transport must take place from one location to another. This transport may not be interrupted by a faltering or even broken door.

The NovoZip is super–fast, very reliable even under high wind loads and also self–repairing. Should it happen that someone hits this fast door, the door curtain automatically returns to the guide track. The chance of an interruption in your production process is therefore minimal. While you still save a lot of energy and the indoor climate remains pleasant.

Practical and low–maintenance: stainless steel cover

In the food industry a door must be fast, reliable and easy to clean. Hinges and bottom beams in which dirt can accumulate are not always permitted. Considerable wind pressure often occurs between the various halls. The NovoZip is perfectly able to cope with these conditions.

The automotive industry often has production lines that run from one hall into the next hall. The high–speed roll–updoors regulate the climate and the energy requirement in the halls but also keep the departments separated so that no dirt, dust and noise can get from one hall to the next. The high–speed doors are controlled from the production process, so that continuity is guaranteed. With the smart controls from Alpha we can match every door to every situation.

Options

Frequency control Rapid control with soft start/stop	Check
FlexEdge bottom beam Added safety for personnell and goods	Check
Safety light curtain Securing the passageway up to 2.5mhigh	Check
Stainless steel columns Easy to clean and never rust	Check
WindLoad Optimiser Increases the maximumwind resistance	Clone

Check=standard Clone=optional

Controls

Standard:
TS971

1.050 gr/m² door curtain
with ClearWave: hygiene guaranteed

Highspeed doors for outdoor use

Highspeed doors for outdoor use

highspeed doors for outdoor use are designed to be mounted on the facade of a building. This can be done on the inside, but also on the outside of the facade. Which door is most suitable for your situation depends on many factors. Firstly, the size and the wind pressure in the passageway.

With the help of the diagram on this page, you can determine which door is most suitable for you.

Would you prefer a personal explanation? Please contact one of our sales persons or ditributors in your area.

Go to the inside doors on page 11.

See page 38

HELIX

wind load

Wind class 3 up to 11 Beaufort
Very severe storm
up to 117 km/h

dimension

Max. 5000 x 5000 mm
Max. 25 m²

See page 42

NOVOZIP

wind load

Wind class min. 3
up to 11 Beaufort
Very severe storm
up to 117 km/h
with reinforced running rails

dimension

Max. 4500 x 4500 mm
Max. 20.25 m²

See page 46

STRONG OUTDOOR*

wind load

Wind class 3
up to 11
Beaufort
Width
>4000 mm
Very severe
storm up to
117 km/h

Wind class 4
up to 12
Beaufort
Width
<4000 mm
Hurricane up
to 133 km/h

dimension

Max. 6000 x 6000 mm
Max. 36 m²

See page 50

NOVOFOLD

wind load

Wind class min. 3 (max. 5*)
up to 13 Beaufort
Hurricane up to 149 km/h
(*With reinforced door curtain)

dimension

Max. 6000 x 6000 mm
Max. 36 m²

The suggestion obtained by filling in this chart is not binding. No rights can be derived from it.

Helix / S600 Fast Spiral-door

The super fast, space-saving spiral door

The Helix spiral door opens 6 times faster than comparable sectional doors and is therefore ideally suited for environments where many logistical movements take place daily. The fact that the door opens so quickly means a real energy saving –just like a highspeed door. The patented track system is directly driven by an ingenious chain/steel cable system. Various finishes and controls contribute to the sleek design of the Helix.

Max. surface area	Max. wind load class	Max. opening speed
25 m²	3 (min. 11 Bft)	1,1 m/s
W x H = 5.000 x 5.000 mm	in accordance with EN 12424	with frequency control

- **Wind resistant** up to at least 11 Bft. Class 3 according to EN12424
- **Fast** The door leaf is directly driven by a patented chain/ steel cable system, which makes the Helix and the S600 unprecedentedly fast
- **innovative** the new spiral system also has newly developed hinges and rollers
- **Insulating** with the 40 mm thick door panels, the Helix has an excellent insulation value of 1.77W/m²K
- **Short installation** time the rail /drive system is pre–assembled in the columns
- **Low maintenance** the drive system is without springs
- **Exterior** supplied as standard in RAL 9002 or RAL 9006, other colours on request

Application

- Logistics
- Automotive
- mechanical engineering
- metal –electrical industry
- Pharmacy and chemistry

Properties	Helix en S600
Max. surface area (W x H)	25 m²
Max. width (W)	5,000 mm
Max. height (H)	5,000 mm
Minimum wind load in Beaufort	11 Bft
Max. wind load class –EN 12424	3*
Opening speed with frequency control	1.1 m/s
Closing speed with frequency control	0.5 m/s
Door curtain thickness ISO panels	40 mm
U–value with 5000 x 5000 mm ISO panels	1.77 W/m²K
NovoLuxwindow sections available	yes
Suitable as an outside door	yes

For all technical details see page 56

Innovative, fast and space–saving

Exterior available in these RAL colours:

9002 9006

The inside is supplied in RAL colour:

9002

In addition to the standard colours, the door leaf is available in any desired RAL colour (with the exception of fluorescent and traffic colours)

Application examples

The Helixis elegant, fast and insulated

Frequently used doorways offer the advantages of a rapid roll door and a sectional door in one! You can save a lot on energy costs, throughput and personnel costs due to the fast opening time. With the additional advantages that the Helix is extremely well insulated and can be closed at night.

An investment that quickly pays for itself!

A light curtain continuously monitors the passageway

Space-saving The Helix spiral door is a contemporary innovation that takes up hardly any installation space thanks to innovations such as the spiral system and the chain drive. The door is not folded but rolls up, with the panels not touching each other. This prevents wear of the door. A Helix particularly offers a solution in spaces where the ceiling construction does not provide room for an overhead door.

The Helix is cheap to maintain thanks to a guaranteed low-maintenance period of 200,000 cycles. The springless drive system means no extra maintenance is required. Moreover, the uprights consist of two parts, so that in the event of damage, the panels can be exchanged easily and quickly.

Options

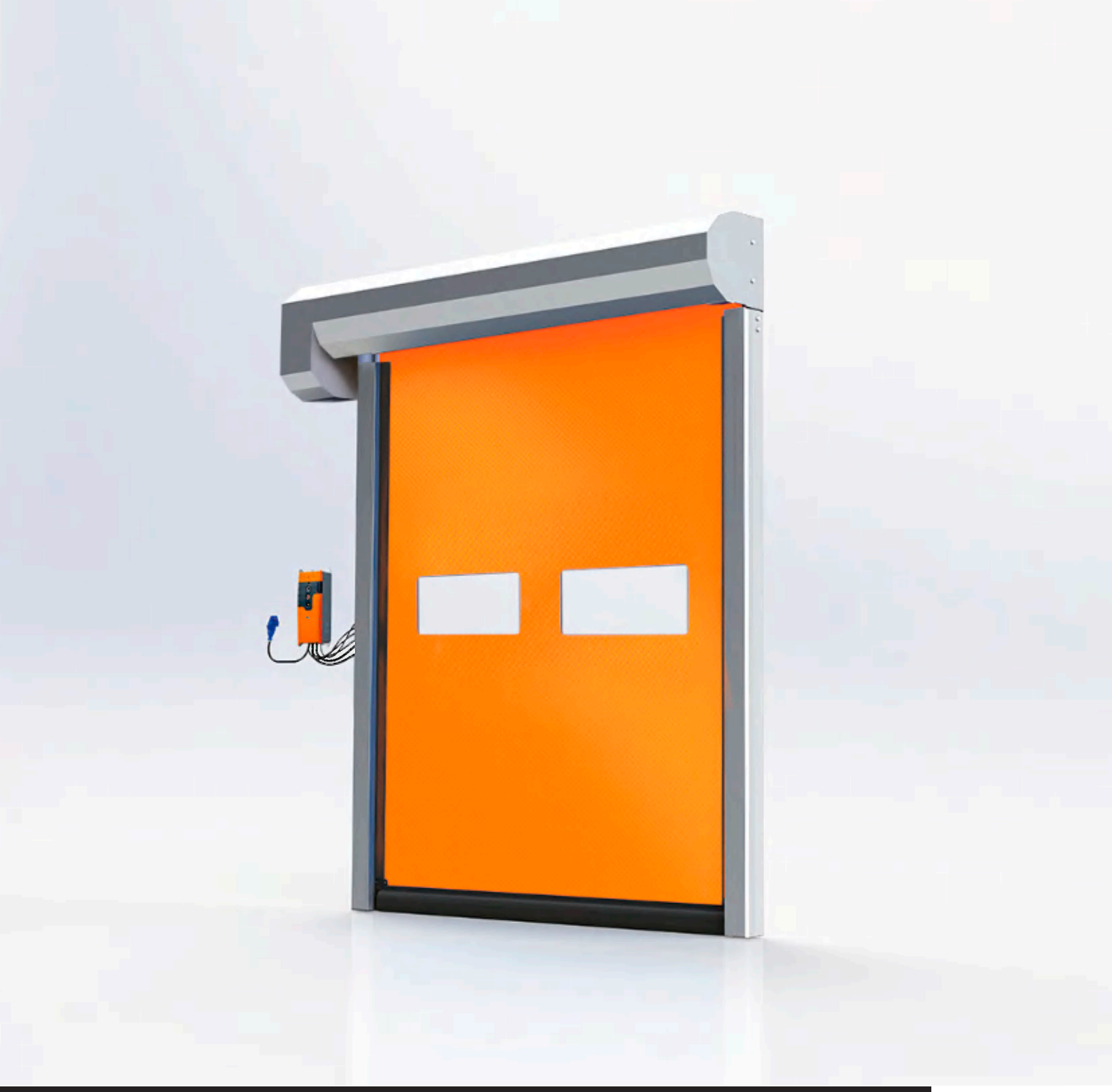
Frequency control Rapid control with soft start/stop	✓
Springless drive system Pre-assembled and low maintenance	✓
Safety light curtain Securing the passageway up to 2.5m high	✓
Tested and approved BS EN13241:2003+A2:2016 compliant	✓
40 mm Iso panels Good insulation and stability	✓
Finger trap protection You cannot reach between the panels	✓

✓=standard ○=optional

Controls

Standard:
TS971

40 mm ISO panels
that open and close safely and quickly



NOVOZIP class 3

Self-repairing rapid roll door, also for outdoors

The self-repairing highspeed door NovoZip is the ideal solution for openings of up to 20.25 m^2 and intensive use. The self-repairing operation of the self-lubricating track reduces interruptions and ensures minimum delay in the production process. The NovoZip is intended as a fast, user-friendly room divider and provides very good draught exclusion and climate control. This results in significant energy savings.

Max. surface area	Max. wind load class	Max. opening speed
20.25 m²	3 (min. 11 Bft)	2 m/s
W x H = 4,500 x 4,500 mm	in accordance with EN 12424	with frequency control

- **Wind resistant** up to at least 11 Bft. Class 3 according to EN12424
- **Self-repairing** the door curtain automatically returns into the columns after a collision
- **Silent** the door curtain is manufactured in one piece and is therefore virtually noise-free
- **Safe** equipped with a safety light curtain and a soft FlexEdge bottom beam as standard
- **Robust** steel guide columns guide the door curtain made of polyester-reinforced plastic fabric
- **Draught proof** the zip fastener technology ensures a good draught proofing, as does the rubber sealing.
- **Installation** in every passageway up to 20.25 m² in the building and on the inside of the external facade

Application

- Supermarkets
- Food industry
- Laboratories
- Light Industry

Properties	NOVOZIP CL.3
Max. surface area (W x H)	20.25 m²
Max. width (W)	4,500 mm
Max. height (H)	4,500 mm
Minimum wind load in Beaufort	11 Bft
Max. wind load class -EN12424	3*
Opening speed with frequency control	2.0 m/s
Closing speed with frequency control	0.5 m/s
Door curtain thickness	1.0 mm
Fabric weight Class M2	900 gr/m²
Fabric weight (optional)	1,050 gr/m²
Suitable as an outside door	yes

* depending on configuration.

For all technical details see page 56

Guide rail with zip system and FlexEdge bottom bar

Available as standard in 900 gr/m² door curtain in the following RAL colours:

1003 | 2004 | 3002 | 5002 | 5015 | 6026 | 7038 | 9016 | 9005

Optionally available with 1,050 gr/m² door curtain:

9016

Application examples

Available in many colours, always fits your building

In light and heavy industry it is crucial that the production processes continue and that there are no delays. If production takes place in several buildings, transport must take place from one location to another. This transport may not be interrupted by a faltering or even broken door.

The NovoZip is super–fast, very reliable even under high wind loads and also self–repairing. Should it happen that someone hits this fast door, the door curtain automatically returns to the guide track. The chance of an interruption in your production process is therefore minimal. While you still save a lot of energy and the indoor climate remains pleasant.

Up to 2.0 m/sec. with the standard frequency control

In the food industry a door must be fast, reliable and easy to clean. Hinges and bottom beams in which dirt can accumulate are not always permitted. Considerable wind pressure often occurs between the various halls. The NovoZip is perfectly able to cope with these conditions.

The automotive industry often has production lines that run from one hall into the next hall. The high–speed roll–up doors regulate the climate and the energy requirement in the halls but also keep the departments separated so that no dirt, dust and noise can get from one hall to the next. The high–speed doors are controlled from the production process, so that continuity is guaranteed. With the smart controls from Alpha we can match every door to every situation.

Options

Frequency control Rapid control with soft start/stop	Check
FlexEdge bottom beam Added safety for personnell and goods	Check
Safety light curtain Securing the passageway up to 2.5mhigh	Check
Full colour print Your own design on the door curtain	Clone
SelfRepair The door curtain repairs itself	Check
Stainless steel columns Easy to clean and never rust	Clone
1.050 gr/m² white door curtain For clean room applications	Clone

Check=standard Clone=optional

SelfRepair = Self-repairing
the door curtain automatically returns into the guides

Controls

Standard:
TS971

Strong OUTDOOR

The heavy duty solution for demanding situations

The Strong Outdoor is the ultimate highspeed door for the really tough stuff: robust components and reliable technology ensure years of trouble–free use. The highspeed door Strong Outdoor has been developed especially for mounting on outer walls and in particularly large openings with high wind loads. The stable columns with integrated seals keep all draughts out and your indoor climate comfortable. The electronic control can open this large door at 1.8 m/s*.

Max. surface area	Max. wind load class	Max. opening speed
36 m²	**4 (min. 12 Bft)**	**1.8 m/s**
W x H = 6,000 x 6,000 mm	in accordance with EN 12424	with frequency control

- **Wind resistant** up to 12 Bft (up to 4,000mm wide)
  Min. Class 3 according to EN12424 (>4,000 mm wide)
  Min. Class 4 according to EN12424 (≤4,000 mm wide)
- **Noise reduction** the door curtain is provided with additional sound insulation as standard
- **Safe** equipped with a safety light curtain as standard
- **Robust** steel rails in the columns and new EndLocks at the hinges guide the door curtain
- **Draught-free** the door leaf is sealed with sliding strips, the bottom beam has a rubber sealing profile.
- **Installation** in every large passageway up to 36 m² in the building and on the inside of the exterior facade

Application

- Installation in the external wall (inside)
- Distribution centres
- Warehouses
- Large industrial buildings
- Heavy Industry

Properties	Strong Outdoor
Max. surface area (W x H)	36 m²
Max. width (W)	6,000 mm
Max. height (H)	6,000 mm
Minimum wind load in Beaufort	12 Bft
Max. wind load class –EN 12424	4
Opening speed with frequency control	1.8 m/s
Closing speed with frequency control	0.5 m/s
Door curtain thickness	1.2 mm
Suitable as an outside door	yes

For all technical details see page 56

Sturdy and stable: the new EndLocks end pieces

Available in the following RAL colours:

1003 | 2009 | 3020 | 5005 | 7024 | 7038 | 9003 | 9004

Application examples

Fast but safe, with a safety light curtain as standard

Industry often uses large buildings where large forklift trucks or lorries are driven in and out. This requires a large, fast highspeed door that keeps the indoor climate pleasant, is easy to operate, does not hinder traffic and will last for years. The Strong Outdoor was developed for this very situation. Thanks to the clever tensioning system, the door curtain always remains neatly under tension, even in the event of very high wind pressure. All the relevant parts are much more solidly constructed to ensure years of reliable performance under all conditions.

Large and yet fast, thanks to frequency control

Options

Frequency control Rapid control with soft start/stop	✓
HardEdge bottom beam Stability and wind resistance	✓
Safety light curtain Securing the passageway up to 2.5mhigh	✓
Tested and approved BS EN13241:2003+A2:2016compliant	✓

✓=standard ○=optional

Controls

Standard:
TS971

More speed and comfort
The Strong Outdoor in a loading bay!

NOVOFOLD

Long service life with very low maintenance

The NovoFold folding door has been developed for intensive use in outdoor openings up to 36 m^2 in size. Ideal for the fast daily passage of forklift trucks and large goods. The door curtain is equipped with a large number of reinforcement profiles and a unique folding technique, as a result of which it remains extremely stable even under high wind pressure. The fully closed covers and the materials used make the NovoFold suitable for long-term use under all conditions.

Max. surface area	Max. wind load class	Max. opening speed
36 m²	5 (min. 13 Bft)	1.1 m/s
W x H = 6,000 x 6,000 mm	in accordance with EN 12424	with frequency control

- **Wind resistant** up to Class 5 according to EN 12424ot up to at least 13 Beaufort
- **Solid** the guide columns and the drive are completely encased in watertight steel caps. This makes the NovoFold suitable for outside mounting
- **Extreme** the unique folding construction and the materials used make the Novofold extremely reliable and robust, even under harsh conditions. The NovoFold is not affected by high wind pressure, rain, dust, etc.
- **Safe** fitted as standard with Opto–sensorsin the lower beam: As soon as the lower beam touches something, the door opens immediately. The door opening is secured with safety photocells.
- **Draughtseal** the bottom beam has a soft rubber sealing profile, additional draught brushes are available as an option.
- **Outside** opwder–coated in RAL 7011 as standard.

Application

- Installation in the external wall (inside and outside)
- Supermarkets
- Food industry
- Laboratories
- Light Industry

Properties		NOVOFOLD
Max. surface area (W x H)		36 m²
Max. width (W)		6,000 mm
Max. height (H)		6,000 mm
Minimum wind load in Beaufort		13 Bft
Max. wind load class –EN 12424		5*
Opening speed with standard control		0.9 m/s
Closing speed with standard control		0.9 m/s
Opening speed with frequency control		1.1 m/s
Closing speed with frequency control		0.5 m/s
Fabric weight	Class M2	900 gr/m²
Suitable as an outside door		yes

For all technical detailssee page 56

EasyReplace: easier maintenance and repair

Available as standard in 900 gr/m² door curtain in RAL colours:

1003 2004 3002 5002 5015 6026 7038 9016 9005

Application examples

Frequency control provides the highest efficiency!

Do you have an existing sectional door? If so, you can save a lot on energy costs, processing speed and absenteeism. If you leave the sectional door open during the day, you will lose a lot of energy. The draught will not do your employees any good. If you open and close the sectional door every time someone has to pass through it, you will lose a lot of valuable production time.

Moreover, your personnel will be waiting in the draught for a long time until the passageway is free. By fitting the NovoFold on the outside against the façade you can easily do away with the disadvantages of the existing, slower sectional door.

Dust? Dirt? Lots of wind? No problem for the NovoFold

Waste processing companies are often confronted with dust and dirt. This makes the frequent use of high-speed roll-up doors difficult, because dust and dirt get stuck in the fabric while it is being rolled up. The curtain in the guide track can also can be damaged if too much debris accumulates. With the NovoFold this is not possible due to the folding method. Moreover, the extra strong door curtain is virtually unaffected by dust or dirt. The rest of the construction is also not affected. This makes the NovoFold ideal for waste processing companies and all other companies where a lot of dust and dirt accumulates.

You can close all large passages with a NovoFold. Heavy traffic, high wind pressure, weather conditions, dust and dirt – the NovoFold will continue to function reliably.

Options

Frequency control Rapid control with soft start/stop	Clone
HardEdge bottom beam Stability and wind resistance	Check
Safety light curtain Securing the passageway up to 2.5mhigh	Clone
Tested and approved BS EN13241:2003+A2:2016compliant	Check
Stainless steel columns Easy to clean and never rust	Clone

Check=standard Clone=option

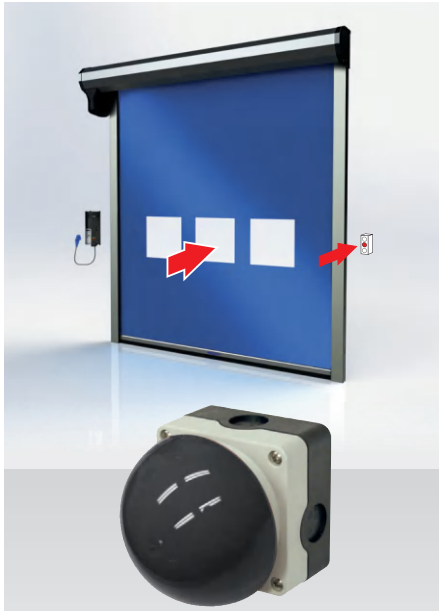
Controls

Standard:
GFA TS971

Option:
GFA TS981

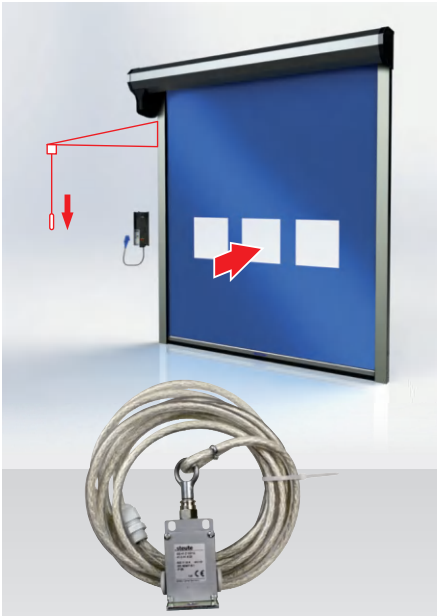
EasyReplace
Damaged parts are quickly replaced

Operation and safety



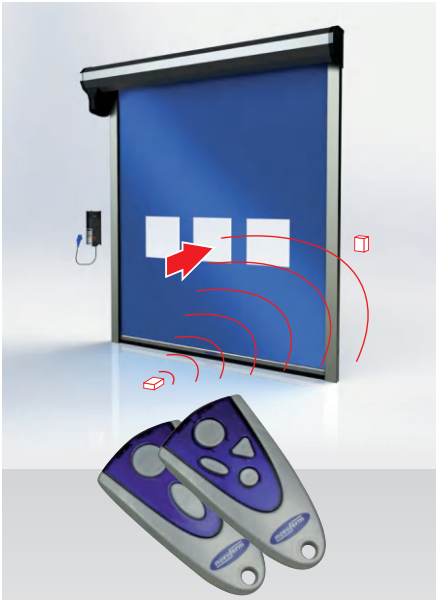
Push–buttons | Operation

Pushbuttons are mainly used in personnel traffic. For situations where one's hands are not always free, a mushroom push button or a contactless ClearWave button is a solution.



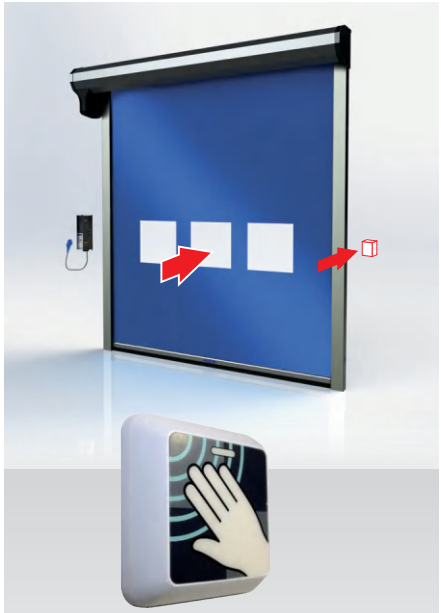
Pull switch | Operation

The pull switch has a long cable hanging a few metres in front of the door. It can be operated on foot or from a forklift truck without the driver having to get out. Very efficient when there is a lot of forklift traffic.



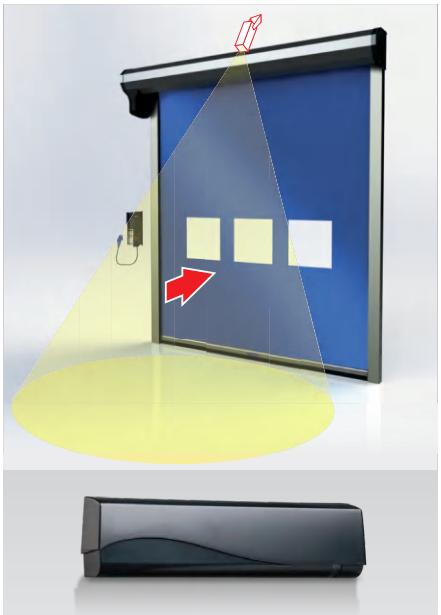
Remote control | Operation

A remote control (with transmitter and receiver) offers the possibility of selective operation. Only those persons and vehicles that have a remote control can operate the door. Available with one or several channels.



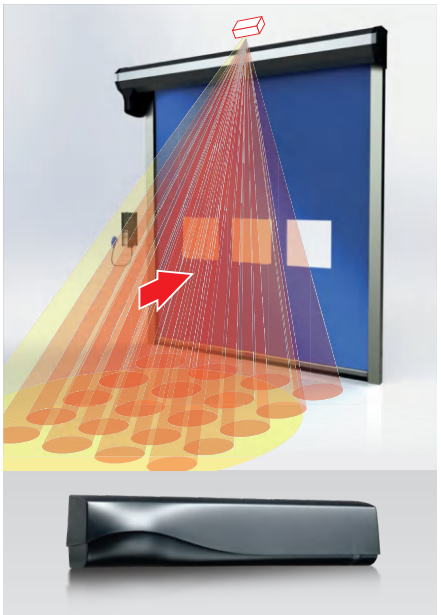
ClearWave | Operation

The ClearWave is similar to an ordinary push button, with the difference that it does not need to be actually touched. Ideal in food environments or clean rooms.



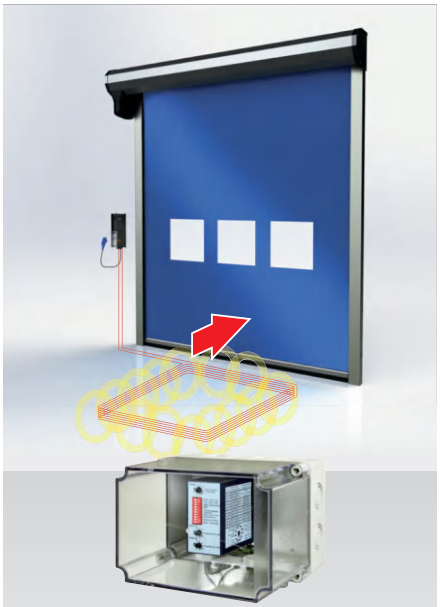
Ixio S | Operation and safety

The IXIO–S is a smart presence detector with active infrared technology. The three–dimensional infrared curtain protects persons from contact with the door. For indoor applications up to H = 3,500mm.



Ixio D | Operation and safety

The IXIO–D is a sensor that combines radar technology for opening the door with infrared technology for the protection of people against contact with the door. Indoor use up to H = 3,500mm.

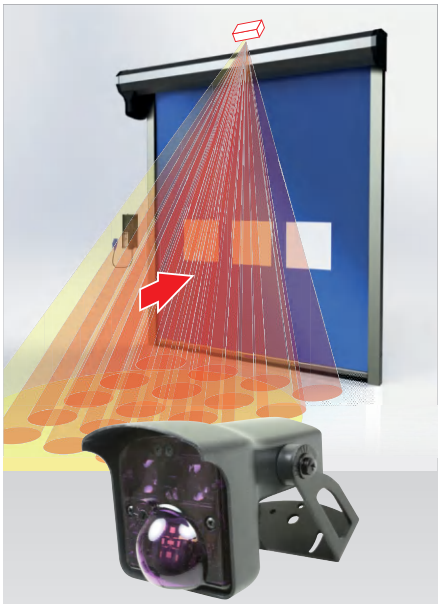


Induction loop | Operation and safety

An induction loop detector produces a magnetic field. Every metal object within this field is detected. Suitable as a control, but also as an extra security in case of high speed forklift transport.

Radar | Operation and safety

Radars can only detect moving objects. The radar has a conical detection area and is direction–sensitive. The size, direction and sensitivity of the radar field are adjustable. Also for outdoor use.

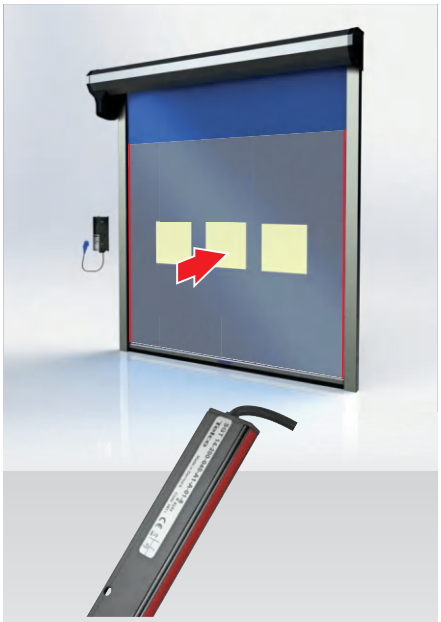


Condor I Operation and safety

he condor combines two functions in one device. The radar for detecting moving objects (operation) and an active infrared for detecting stationary objects (safety). Also suitable for outdoor use.

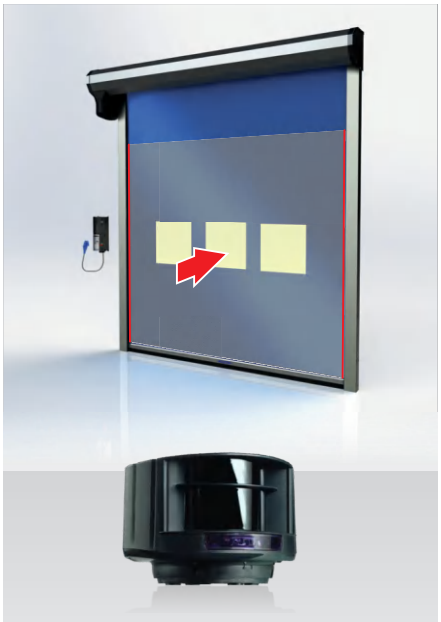
Photocell | Safety

Photocells are mainly used to monitor the door opening. The door will not close when the photocell beam is interrupted. Designs with a reflector and with a transmitter and receiver are available.



Light curtain | Safety

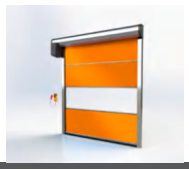
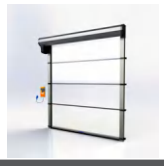
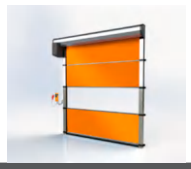
A light curtain has a larger detection range and thus provides greater safety than a photocell. This form of detection is particularly suitable for a wide range of transport sizes.



LZR laserscanner | Safety

The LZR®–I100/I110 features high–precision technology: the dynamic direction of the laser beams on four levels provides optimum protection of the door threshold and surroundings. Maximum detection area 9.9 m x 9.9 m.

	Description	Units	PRIME	PRIME–XF
Application	interior door		✓	✓
	exterior door			
Speed	TS971 Control unit	opens in m/sec (approx.)	1	
		closes in m/sec (approx.)	1	
	TS971 Control unit with frequency control	opens in m/sec (approx.)	1.5	2.3
		closes in m/sec (approx.)	0.5	0.5
Safety equipment	EN 13241		✓	✓
Wind–resistance	minimal, in Beaufort	(with WindLoad Optimiser)	7 (up to 61 km/h)	7 (up to 61 km/h)
Windload class	maximal, according to EN 12424		Class 0	Class 0
Door sizes	width	maximum in mm	3.500	3.500
	height	maximum in mm	3.500	3.500
	maximum surface area	maximum m^2	12,25	12,25
Overall sizes	width drive side	clear width + mm	300	300
	width bearing side	clear width + mm	170	170
	height	dagmaathoogte + mm	350	350
	depth	from the wall= mm	325	325
	width with protective cover drive side	clear width + mm	410	410
	width with protective cover bearing side	clear width + mm	410	410
	height with protective cover	clear width + mm	460	460
	depth with protective cover	from the wall = mm	430	430
	GFA TS971	w x h x d = 155 x 386 x 90 mm	✓	✓
'EasyRepair'	manual re–feed		○	✓
'SelfRepair'	auto 're–feed' (self–repairing)			
Door construction	self–supporting			
Door curtain	transparent vision/window section thickness	0.8 / 3 mm	0.8 mm	0.8 mm
	coloured synthetic door gurtain thickness	0.7 / 1.2 / 3 mm	0.7 / 1.2 mm	1.2 mm
Curtain tensioning	tensioning system			
	continuous chain / steel cable drive system			
Guide material / Surface finish	galvanised steel / powder coated		✓/–	✓/–
	stainless steel V2A, polished (cf. RVS 304)		○	○
	painted / powder–coated in a RAL colour of your choice		○	○
Drive and control	electronic limit switch DES		✓	✓
	mains supply		1x 230V / 3 x 400V N, PE	1 x 230V, N, PE
	fuse		16 A slow	16 A slow
	main switch		○	○
	emergency stop		○	○
	presence detection in the door opening	light screen	✓	✓
		photocell + safety edge	○	○
		radar detector	○	○
	safety edge device	wireless signal transfer		
Emergency opening	crank		✓	✓
	emergency hand chain		○	○
	UPS, 230V	only with 230V frequency control	○	○

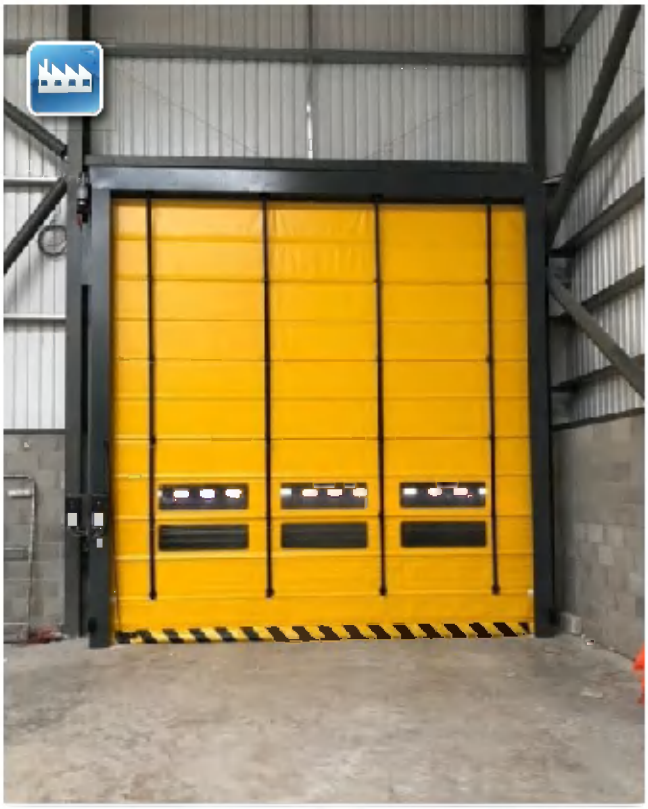




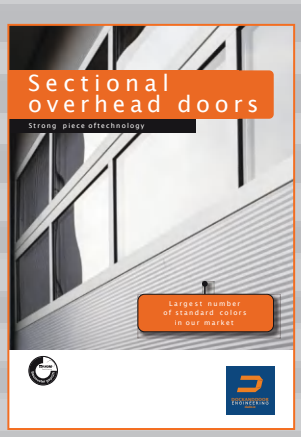


STRONG-E	STRONG-FV	STRONG	NOVOZIP	HELIX	STRONG Outdoor	NOVOFOLD
✓	✓	✓	✓			
			✓	✓	✓	✓
1	1	1				1
1	1	1				1
1.8	1.8	1.8	2.0	1.1	1.8	1.1
0.5	0.5	0.5	0.5	0.5	0.5	0.5
✓	✓	✓	✓	✓	✓	✓
8 (up to 74 km/h)	9 (up to 88 km/h)	10 (up to 102 km/h)	10 (up to 102 km/h)	11 (up to 117 km/h)	12 (up to 133 km/h)	13 (up to 149 km/h)
Class 0	Class 1 (<3m B.)	Class 2 (<3m B.)	Class 3	Class 3	Class 4 (≤4m B.)	Class 5
3,000	5,000	5,000	4,500	5,000	6,000	6,000
3,500	5,000	5,000	4,500	5,000	6,000	6,000
9	25	25	20.25	36	36	36
300	300	300	310	470	360	220
200	200	160	275	250	240	220
350	350	350	500	660	700	1070
	325	325	400	380	400	380
320	410		775	750	775	750
320	410		775	750	775	750
450	460		500	660	750	660
420	430		370	410	400	410
✓	✓	✓	✓	✓	✓	✓
	✓	✓	○		○ (≤4500 wide)	
✓						
				✓		✓
0.8 mm	0.8 mm	0.8 mm	0.8 mm	20 mm	0.8 mm	0.8 mm
0.7 mm	0.7 / 1.2 mm	0,7 / 1,2 mm	1.0 mm		1.2 mm	1.2 mm
				✓	✓	✓
✓ / –	✓ / –	✓ / –	✓ / –	✓ / –	✓ / –	✓ / ✓
○	○	○				
○	○	○	○	○	○	○
✓	✓	✓	✓	✓	✓	✓
1 x 230V / 3 x 400V N, PE	1 x 230V / 3 x 400V N, PE	1x 230V / 3 x 400V N, PE	1 x 230V, N, PE	3 x 400V, N, PE	3 x 400V, N, PE	3 x 400V, N, PE
16 A slow	16 A slow	16 A slow	16 A slow	16 A slow	16 A slow	16 A slow
✓	○	○	○	○	○	○
○	○	○	○	○	○	○
✓	✓	✓	✓	✓	✓	○
○	○	○	○	○	○	✓
○	○	○	○	○	○	○
				○		○
✓	✓	✓	✓		✓	
○	○	○	○	✓	○	✓
○	○	○	○			

✓=standard, ○=optional

References





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