



Industrial doors

ferroflex
industrial access

a manusa  company

Open to the future

Since it was established in 1998, Ferroflex has become a benchmark in the high-speed door sector. Furthermore, we joined the Manusa Group in 2015, enabling us to expand and widen our market internationally.

Our facilities in the industrial area of Barcelona and its infrastructure enable us to reach customers worldwide quickly and effectively.



Open to leadership

Our full range of products includes specific options to meet all types of requirements: from separating spaces in industrial units and warehouses to ensuring their air tightness or facilitating indoor access. Specific, tailor-made Ferroflex solutions for industrial processes.

Open to excellence

We maintain the highest level of excellence throughout each project, from the start to after-sales maintenance. We only use premium-quality materials when manufacturing our doors, subjecting them to the highest controls, to guarantee perfect operation and absolute peace of mind for our customers.

Open to you

The personalised nature of our relationship with our customers means that we are able to establish joint goals to benefit both parties. Thousands of satisfied customers worldwide endorse the quality of our products, enabling us to create an extensive international network of distributors.

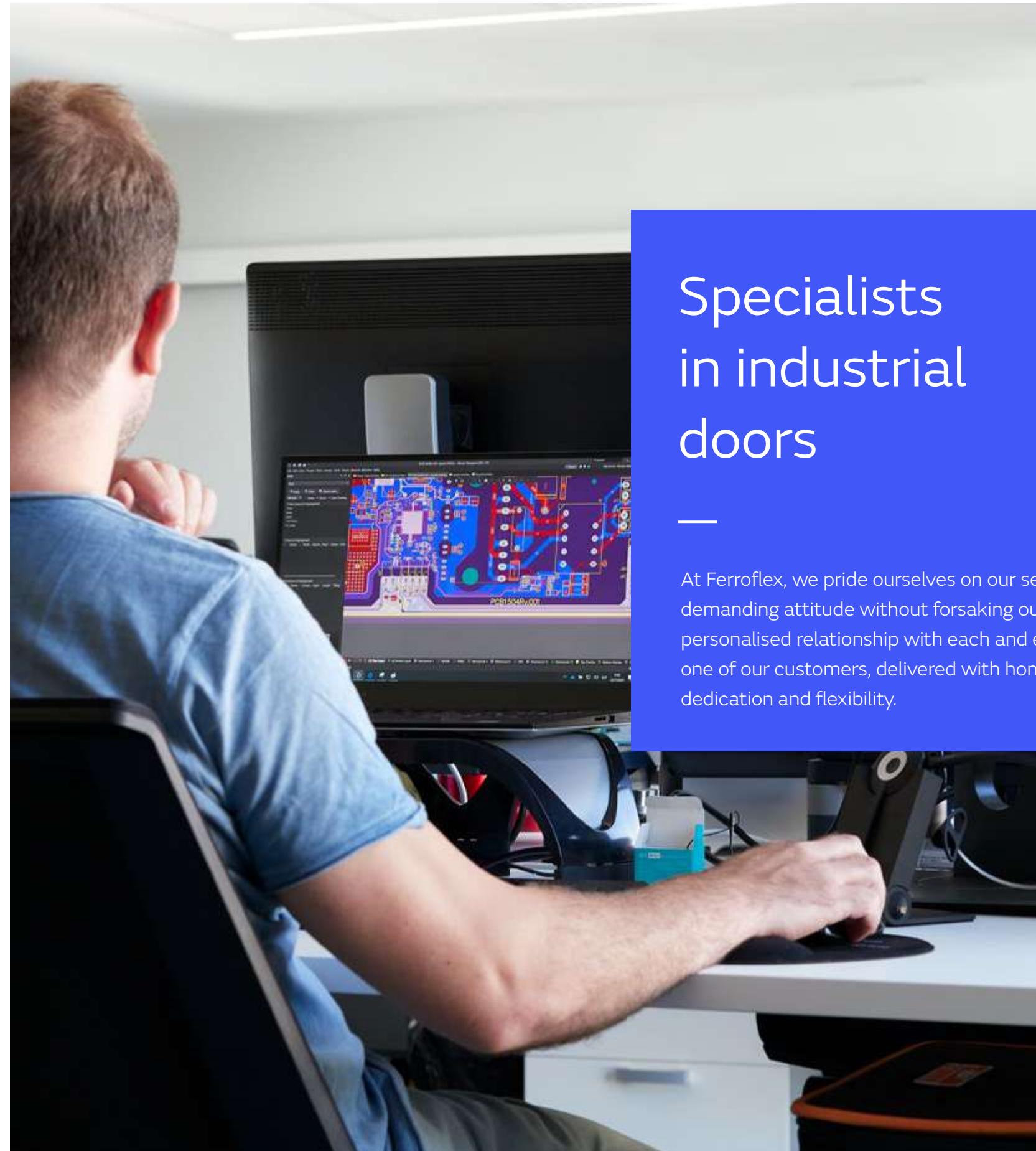
Open to innovation

We love the idea of imagining unique spaces and accesses for each of our customers.

To do so, we use state-of-the-art technology to optimise all of our processes and create intelligent solutions. Alongside our customers, we are ready to open new doors and go above and beyond, thanks to our expert team of professionals worldwide, who ensure the comfort of millions of people.

Specialists in industrial doors

At Ferroflex, we pride ourselves on our self-demanding attitude without forsaking our personalised relationship with each and every one of our customers, delivered with honesty, dedication and flexibility.

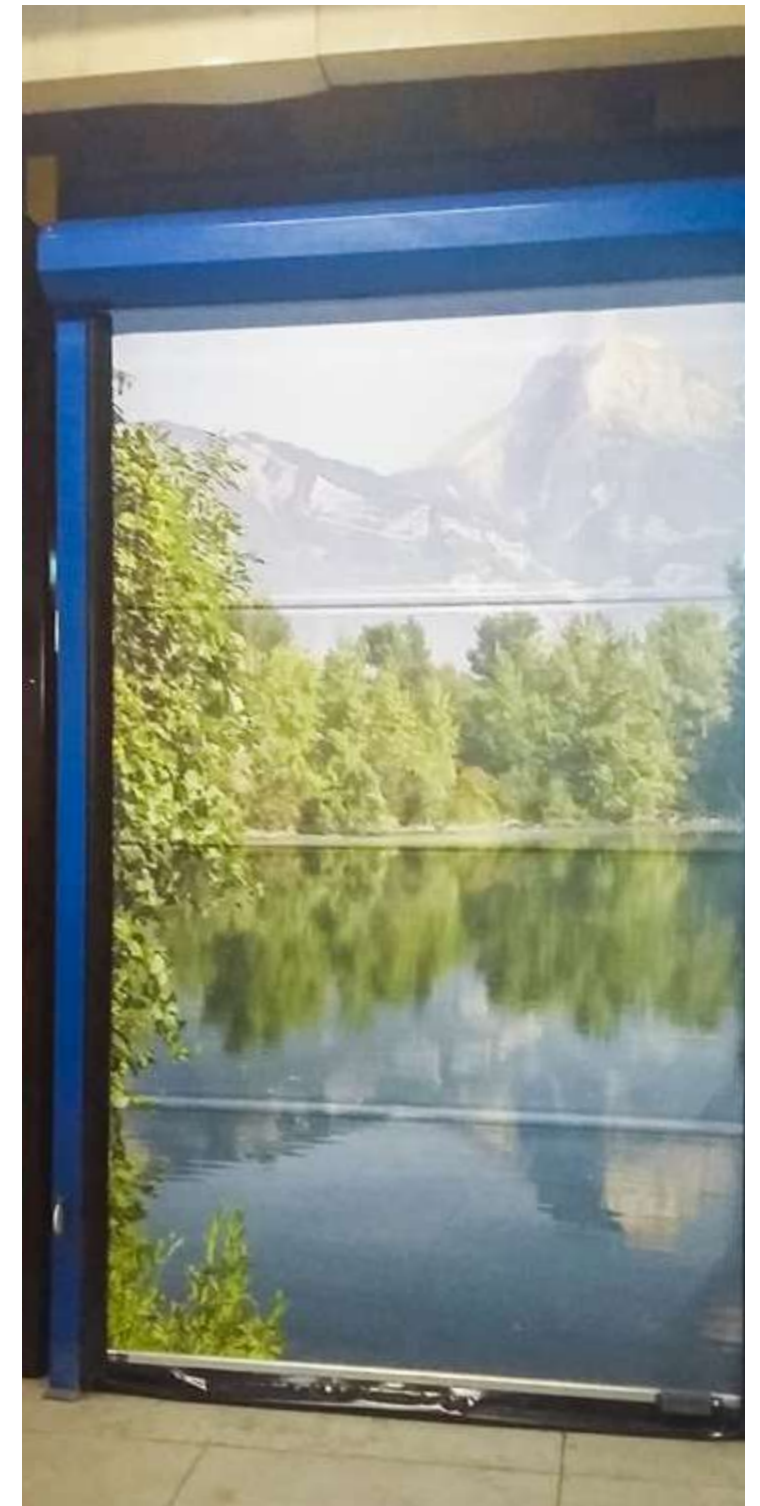


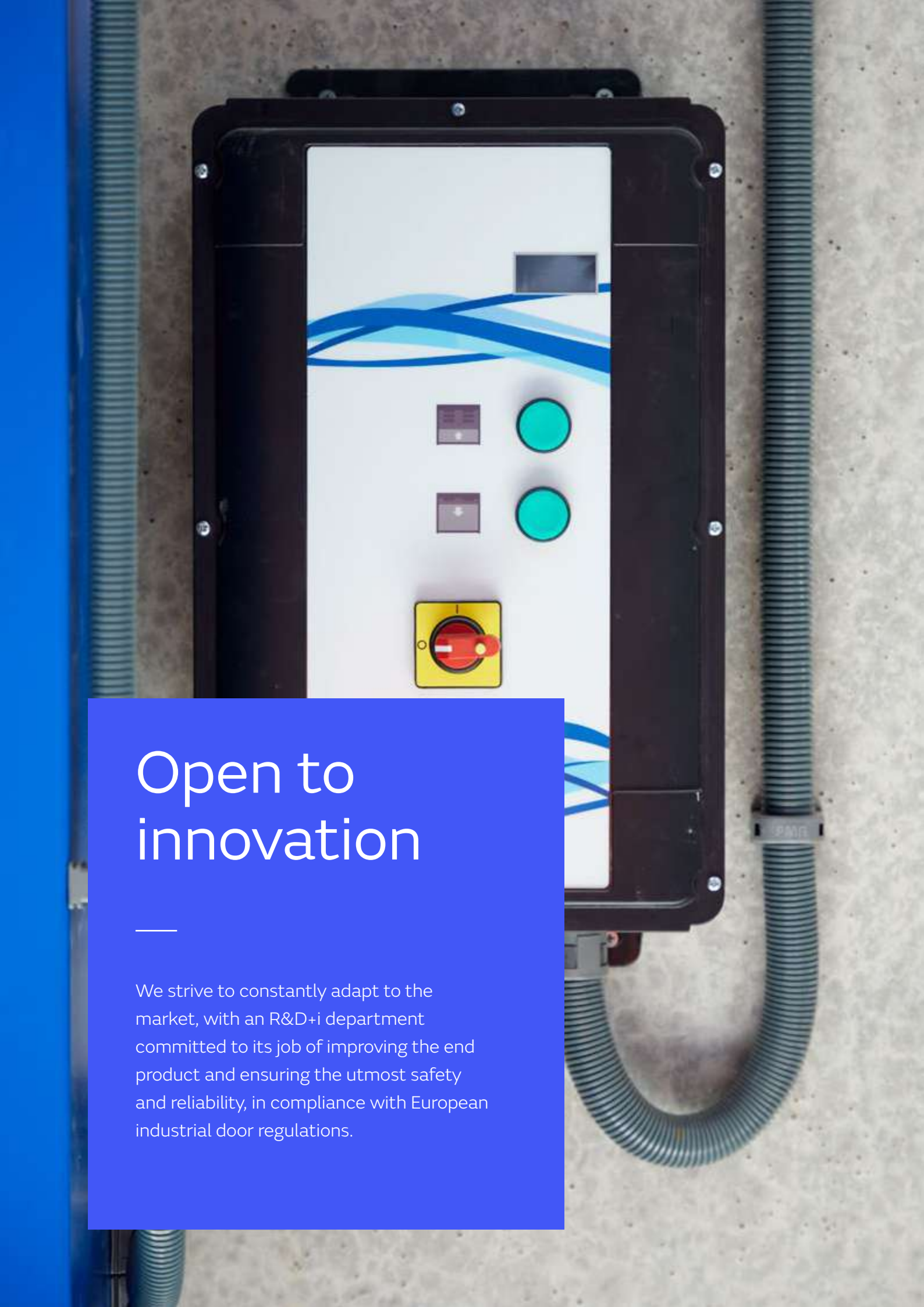
Open to customisation



We know how important it is to be able to adapt every product to every situation, case study or project. This is why at Ferroflex, our ability to aesthetically and functionally customise is second to none.

- Screen printing on fabric
- Logos
- Customisable panels





Open to innovation

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We strive to constantly adapt to the market, with an R&D+i department committed to its job of improving the end product and ensuring the utmost safety and reliability, in compliance with European industrial door regulations.

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Standard high-speed doors

Our extensive product range adapts perfectly to the needs of any project requiring industrial doors. With functionality, design and safety in mind, the standard high-speed door product line can be used to divide indoor or outdoor areas with differently sized openings, close off areas with a high circulation of people and machinery, and even compartmentalise areas requiring specific conditions of air tightness.

Maximum Safety

Our high-speed industrial doors are manufactured in accordance with the mandatory European standard EN13241:1.





Aluminium door for indoor areas

High-speed roll-up

The high-speed roll-up aluminium door for indoor areas was designed as a compact, functional solution with advanced safety and technological features, ideal for compartmentalising or dividing indoor areas.

Its lacquered aluminium structure and minimum space requirements for installation make it the ideal solution for draught-free interior doors.
Its control cabinet is designed to be extremely compact and has a built-in converter to deal with a high traffic flow.

Standard equipment

The most compact door of our range. Its speed and state-of-the-art technology make it essential in small openings. Like all Ferroflex products, one of its trademark features is its capacity for adaptation and customisation to each project.

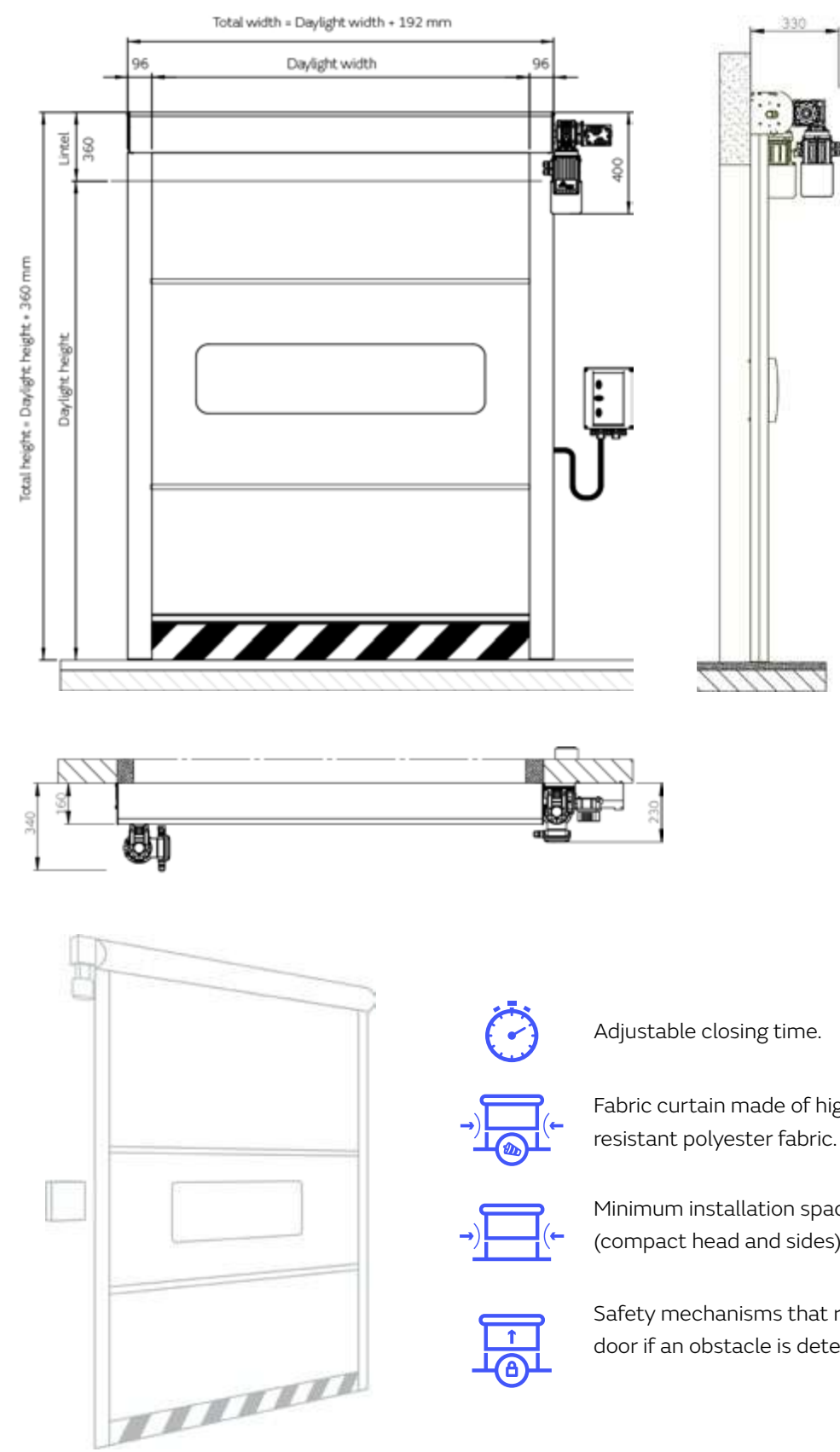
MAIN FEATURES

Maximum dimensions	3000 x 3000 mm
Use	Indoors
Wind resistance	Class 0 (no resistance)
Structure	In standard white lacquered anodised aluminium
Power supply	230V single-phase
Motor	0.33 kW Ferroflex gear motor
Control cabinet	Basic ECHO with frequency converter
Opening speed	Adjustable up to 1.2 m/second (depending on measurements)
Light barrier	Built in with anti-entrapment safety
Lower part	Sandbag

FABRIC SPECIFICATIONS

Fabric	AT 1100 dtex polyester
Coating	2-side PVC
Weight	900 g/m²
Finish	2-side lacquered
Product Standard	ISO 3795/89 on fire propagation resistance
Tensile strength	400 daN/5 cm according to UNE ISO 1421/1 1998
Tear resistance	80 daN according to UNE ISO 13937.2

Drawings



* Illustrative measurements in drawings. Ferroflex reserves the right to make changes or modifications to the design.

Optional equipment

Aluminium door for indoor areas

FEATURES

Front motor	Chain and pinion system
Structure	Lacquered in another RAL colour to be determined
Motor cover	Yes
Vision panels	Transparent / microperforated
Silk screening on fabric	Yes (please check). Possibility of different colours
Polarised photocell	Mirror
Safety slat	Sensitive weatherslat
Emergency opening	UPS (uninterrupted power system)
Opening system *	Remote control using pluggable card in control cabinet
Other opening systems	Radars, switches, ceiling handles, magnetic field



FABRIC COLOURS

RAL 9016		RAL 5005	
RAL 1014		RAL 5010	
RAL 1003		RAL 7038	
RAL 2004		RAL 7037	
RAL 3002		RAL 7016	
RAL 6026		RAL 8014	
RAL 5002		RAL 9005	

* An additional box is required for magnetic field opening.
** Please ask about other options not included.



Steel door

High-speed roll-up

The Ferroflex high-speed roll-up steel door provides an ideal solution for areas with heavy traffic consisting of vehicles and moving machinery as well as pedestrians.

The high-speed roll-up steel door is the best solution for areas with heavy traffic, such as warehouses or loading bays.

Thanks to its compact size, it can be installed in industrial units to compartmentalise different work zones. It is extremely wind resistant, thus preventing draughts and increasing comfort in the areas where operators are working.

Standard equipment

The versatility of our high-speed steel doors means that they can be adapted to customer requirements through the different options and configurations on offer.

MAIN FEATURES

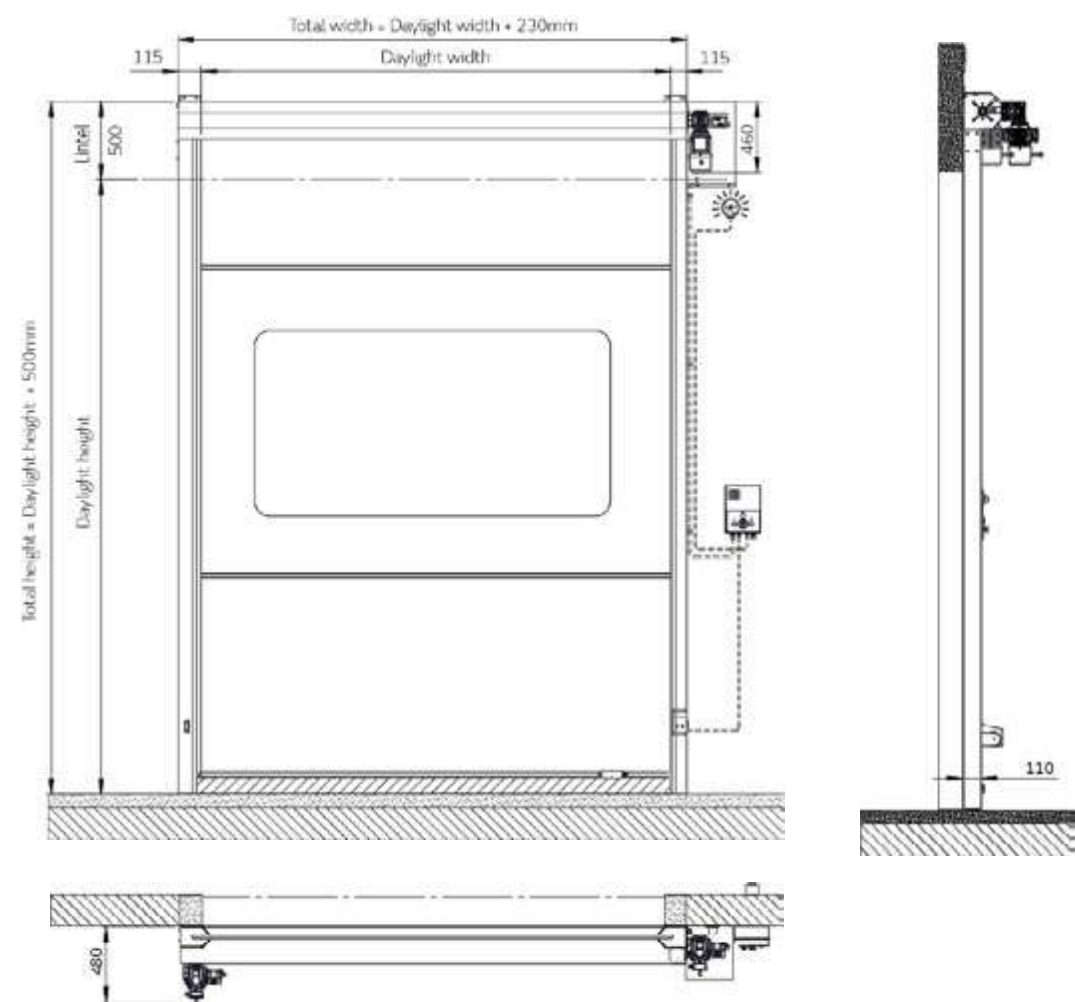
Maximum dimensions	4500 x 4500 mm
Use	Indoors and outdoors
Wind resistance	Class 2
Structure	Lacquered steel in RAL colour (to be determined)
Side brushes	Built into guides
Power supply	400V / 230V three-phase
Motor	0.55 kW Ferroflex gear motor
Control cabinet	ELK-C1
Opening speed	Fixed 0.8 m/second
Polarised safety photocell	Yes
Lower profile	Aluminium with wireless resistive safety slat built in

FABRIC SPECIFICATIONS

Fabric	AT 1100 dtex polyester
Coating	2-side PVC
Weight	900 g/m²
Finish	2-side lacquered
Product Standard	ISO 3795/89 on fire propagation resistance
Tensile strength	400 daN/5 cm according to UNE ISO 1421/1 1998
Tear resistance	80 daN according to UNE ISO 13937.2

* Includes the possibility of implementing warning light (230V), double opening height and airlock system as standard equipment.

Drawings



Its air tightness prevents the flow of air.



Designed for indoor and outdoor openings.



Allows high transit of people and products.



Safety mechanisms that raise the door if an obstacle is detected.

Optional equipment

Steel door

FEATURES

Front motor	Chain and pinion system
Structure	304 stainless steel
Motor cover	Yes
Vision panels	Transparent / microperforated
Silk screening on fabric	Yes (please check)
Light barrier	Up to 2500 mm in height to protect the clear-width area
Control cabinet	ELK-CI02 (230V single-phase) with frequency converter
Opening speed	Adjustable up to 1.5 m/second (depending on measurements)
Drive	Standard, high performing
Emergency opening	UPS (uninterrupted power system)
Opening system	Remote control using pluggable card in control cabinet
Other opening systems	Radars, switches, ceiling handles, magnetic field



FABRIC COLOURS

RAL 9016		RAL 5005	
RAL 1014		RAL 5010	
RAL 1003		RAL 7038	
RAL 2004		RAL 7037	
RAL 3002		RAL 7016	
RAL 6026		RAL 8014	
RAL 5002		RAL 9005	

* Illustrative measurements in drawings. Ferroflex reserves the right to make changes or modifications to the design.

* Please ask about other options not included.



Door for ATEX areas

High-speed roll-up

The high-speed roll-up door for ATEX areas can compartmentalise explosive atmospheres up to Class II 2G where flammable gases, vapours or combustible powder are handled.

The high-speed roll-up door for ATEX areas has been designed to separate explosive areas. To do this, it is fitted with a system comprising an ATEX motor that eliminates electrical risks, and an anti-static safety fabric.

Standard equipment

Developed to include the maximum number of safety devices for ATEX areas, it covers a wide range of openings. Its versatility means it is able to adapt to the needs of each project thanks to its different configurations.

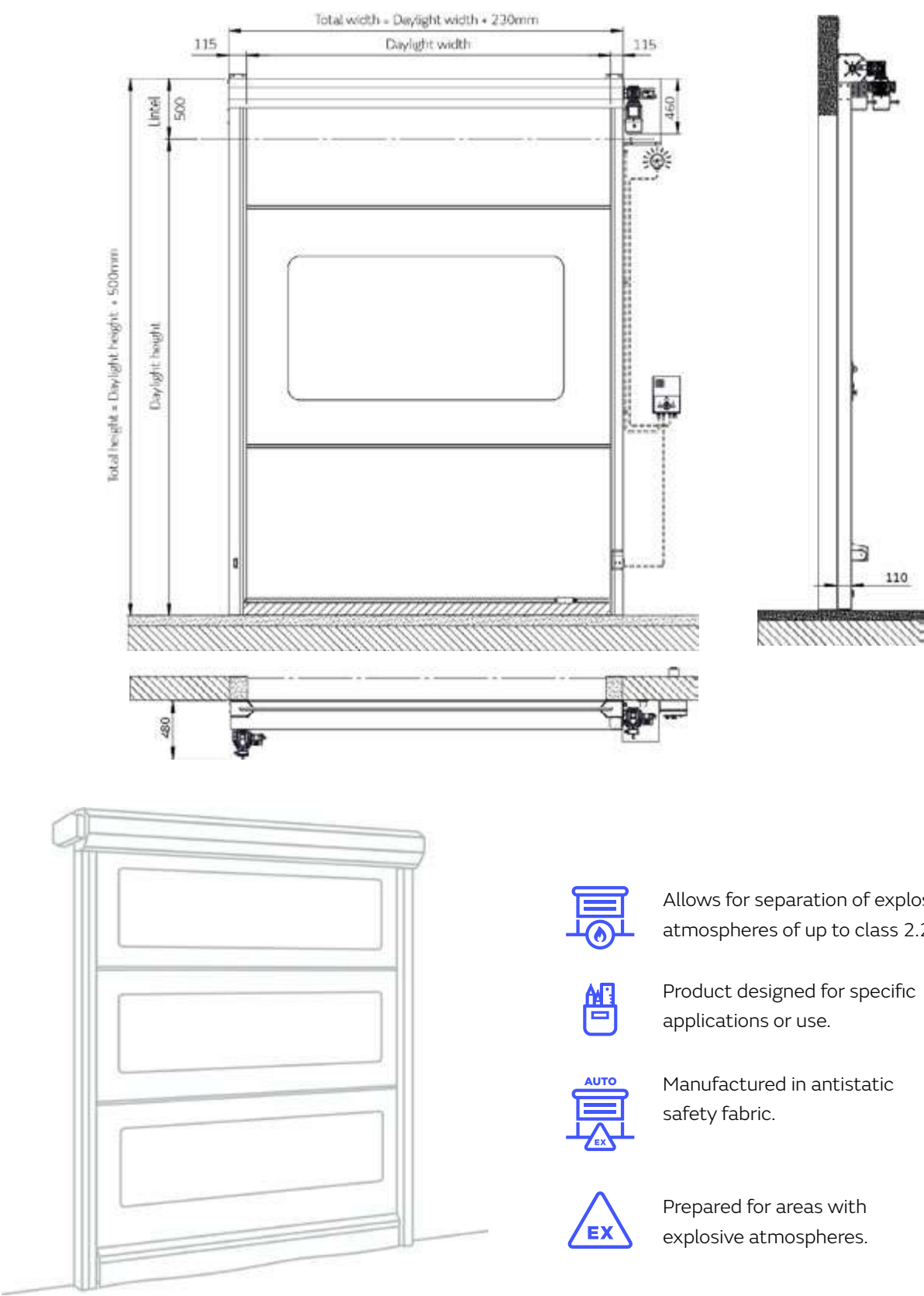
MAIN FEATURES

Maximum dimensions	4500 x 4500 mm
Use	Indoors and outdoors
Wind resistance	Class 2
Structure	Lacquered steel in RAL colour (to be determined)
Side brushes	Built into guides
Power supply	400V / 230V three-phase
Motor and control box	Special ATEX 22G
Opening speed	Fixed 0.7 m/second
Lower profile	Aluminium

FABRIC SPECIFICATIONS

Fabric	AT 1100 dtex polyester
Coating	2-side PVC
Weight	1,700 g/m ²
Finish	2-side lacquered
Properties	Anti-static
Anti-static values	Standard DIN 54345 T1 <5 x 10E9 Ohm
Tensile strength	4000 N/5 cm according to UNE ISO 1421/1 1998
Tear resistance	600 daN according to UNE ISO 53363/2003

Drawings



* Illustrative measurements in drawings. Ferroflex reserves the right to make changes or modifications to the design.

Optional equipment

Door for ATEX areas

FEATURES

Motor cover	Yes
Silk screening on fabric	Yes (please check)
Other opening systems	Radars, switches, ceiling handles, magnetic field



FABRIC COLOURS

RAL 1018 	RAL 7038 
RAL 3002 	RAL 2004 
RAL 5010 	



The high-speed roll-up reinforced aluminium door has been designed to increase air tightness and offer a high-quality finish.

Its anodised aluminium structure provides an ideal appearance that is primarily required in sectors where, apart from product functionality, image and appearance are a determining factor for their production lines, such as the food sector.

Standard equipment

The high-speed reinforced aluminium door stands out for its elegant lines and its integrated safety. Just like all our products, it can be customised to each project thanks to the different configurations available.

MAIN FEATURES

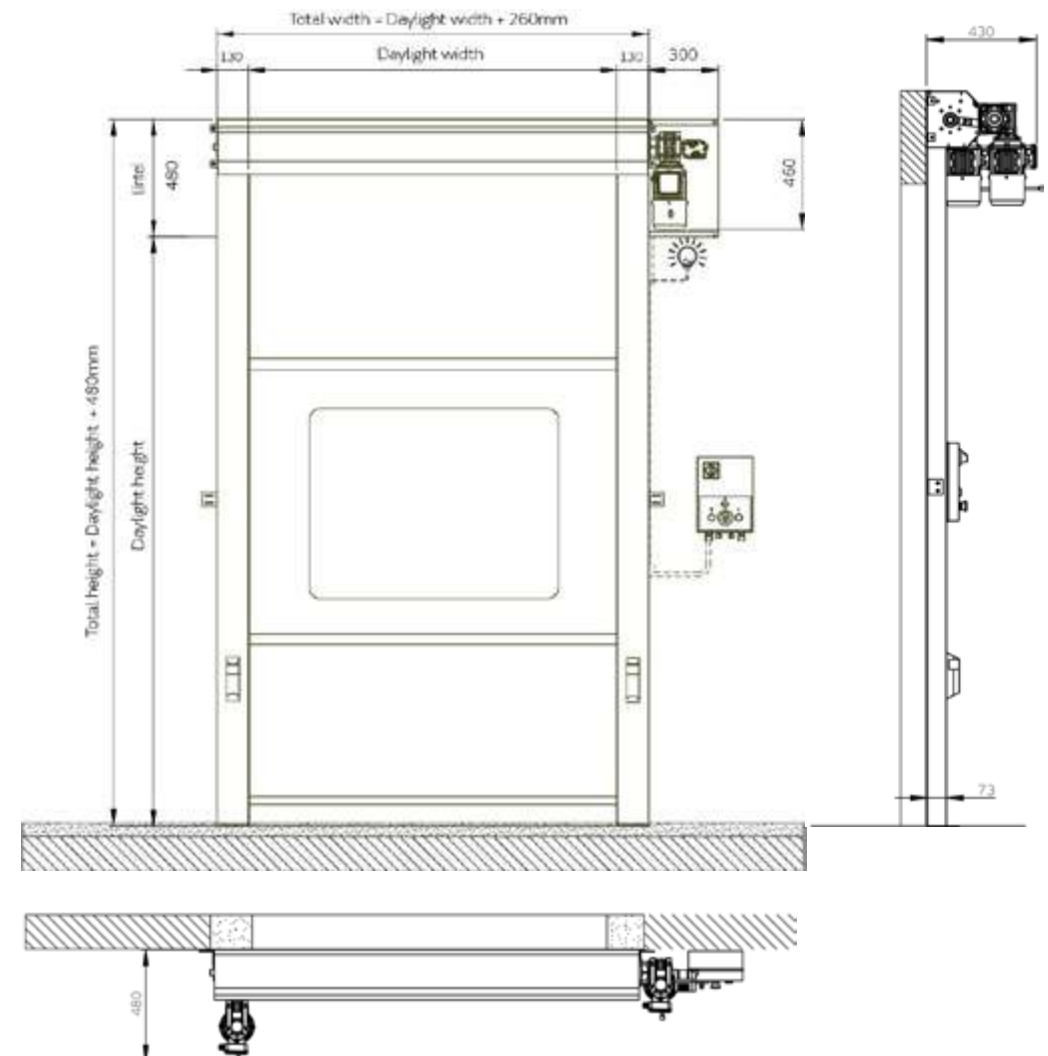
Maximum dimensions	4000 x 4000 mm
Use	Indoors and outdoors
Wind resistance	Class 2
Structure	Anodised aluminium
Side brushes	Built into guides
Power supply	400V / 230V three-phase
Motor	0.55 kW Ferroflex gear motor
Control cabinet	ELK-C01
Opening speed	Fixed 0.8 m/second
Safety photocell transmitter/receiver	Yes
Lower profile	Aluminium with wireless resistive safety slat built in

FABRIC SPECIFICATIONS

Fabric	AT 1100 dtex polyester
Coating	2-side PVC
Weight	900 g/m ²
Finish	2-side lacquered
Product Standard	ISO 3795/89 on fire propagation resistance
Tensile strength	400 daN/5 cm according to UNE ISO 1421/1 1998
Tear resistance	80 daN according to UNE ISO 13937.2

* Includes the possibility of implementing warning light (230V), double opening height and airlock system as standard equipment.

Drawings



-  Designed for indoor and outdoor openings.
-  Adjustable closing time.
-  Safety mechanisms that raise the door if an obstacle is detected.
-  Allows high transit of people and products.

* Illustrative measurements in drawings. Ferroflex reserves the right to make changes or modifications to the design.

Optional equipment

Reinforced aluminium door

FEATURES

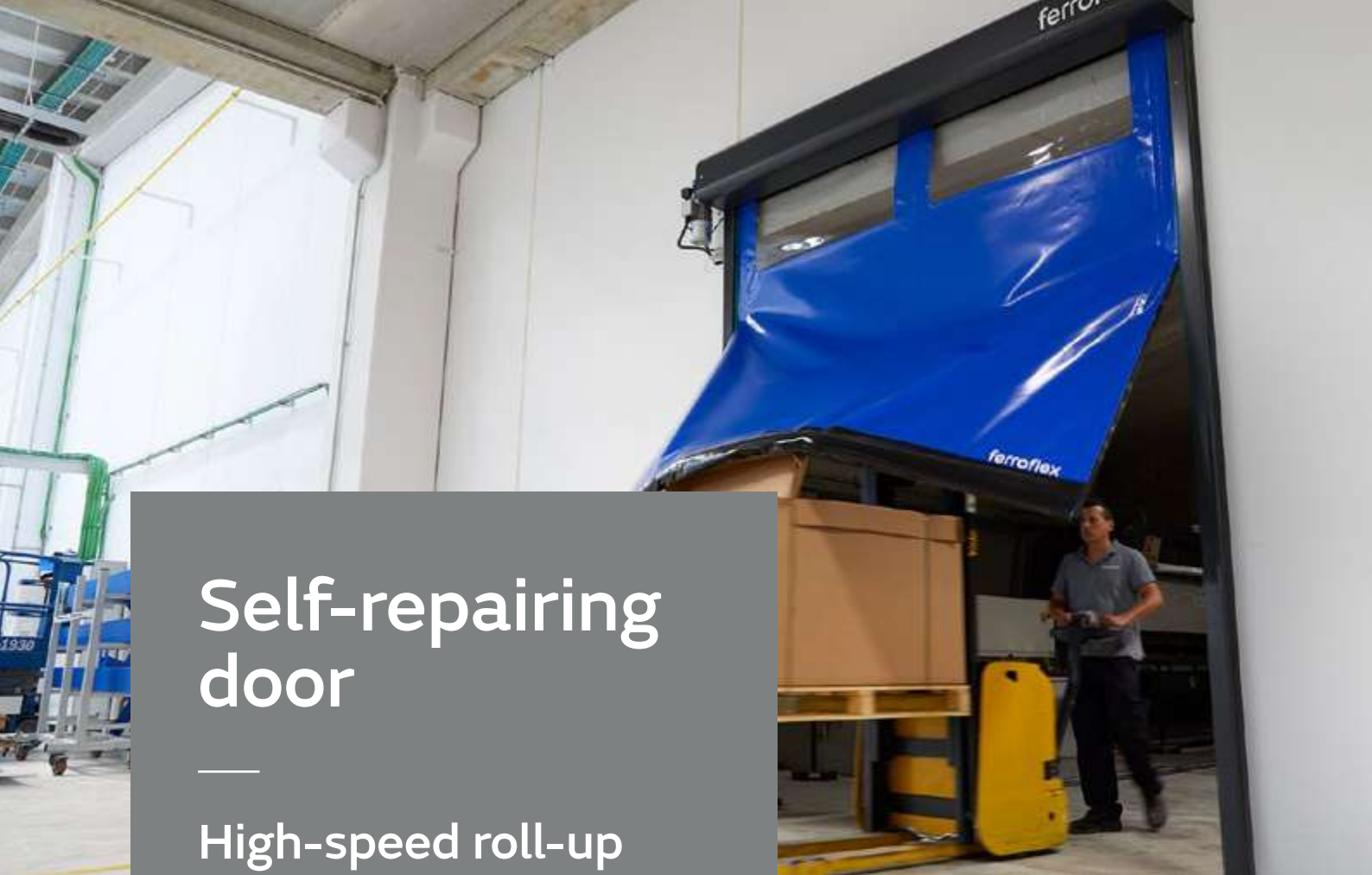
Front motor	Chain and pinion system
Structure	Lacquered in RAL colour to be determined
Motor cover	Yes
Vision panels	Transparent / microperforated
Silk screening on fabric	Yes (please check)
Light barrier	Up to 2500 mm in height to protect the clear-width area
Control cabinet	ELK-CI02 (230V single phase) with frequency converter
Opening speed	Adjustable up to 2.0 m/second (depending on measurements)
Drive	Standard, high performing
Emergency opening	UPS (uninterrupted power system)
Opening system	Remote control using pluggable card in control cabinet
Other opening systems	Radars, switches, ceiling handles, magnetic field



FABRIC COLOURS

RAL 9016		RAL 5005	
RAL 1014		RAL 5010	
RAL 1003		RAL 7038	
RAL 2004		RAL 7037	
RAL 3002		RAL 7016	
RAL 6026		RAL 8014	
RAL 5002		RAL 9005	

* Please ask about other options not included.



Self-repairing door

High-speed roll-up

The self-repairing door is the best option for all accesses and separations of the different working areas. Thanks to its self-repairing system, it guarantees a high level of air tightness and excellent wind resistance, making it one of the most competitive doors on the market.

The side zip system offers a self-repair system, as the fabric separates from the guide to avoid breakage in the event of minor impact. When the door is raised, this zip re-inserts itself into the side guides, making the door operational again.

Standard equipment

Our high-speed self-repairing doors are a unique, innovative solution capable of adapting to any space with high traffic, for example in goods loading and unloading areas.

MAIN FEATURES

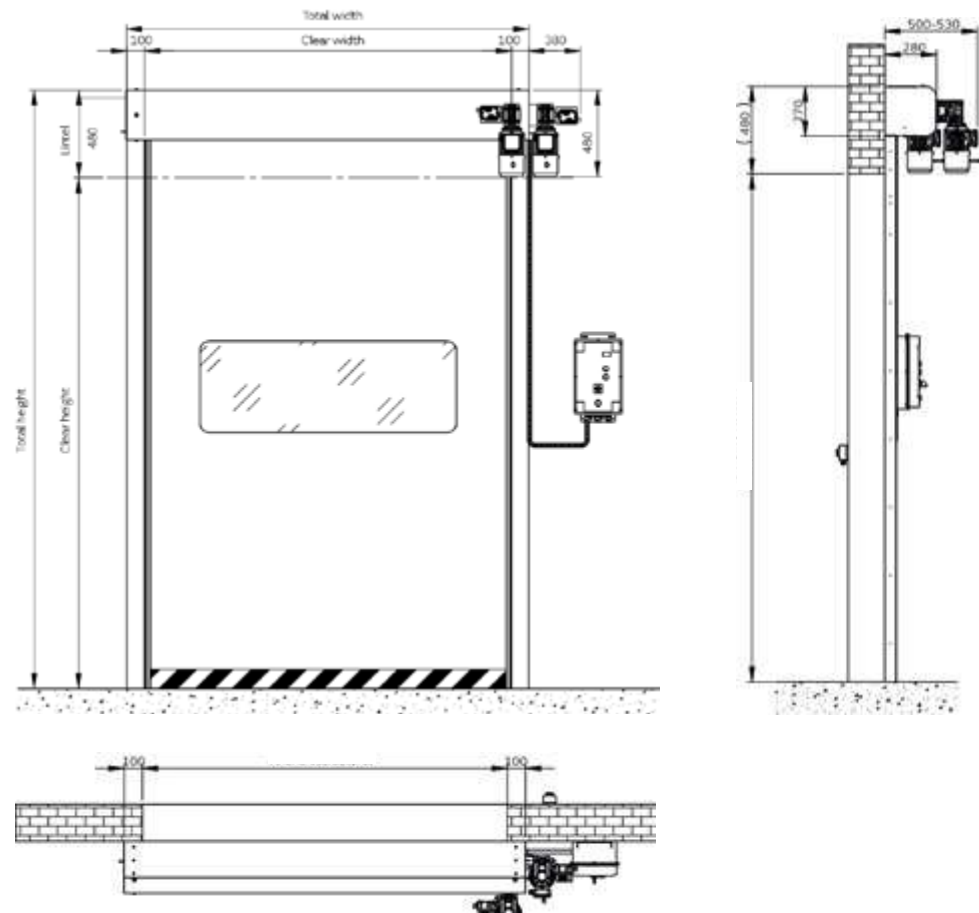
Maximum dimensions	4000 x 4000 mm (standard model) *
Use	Indoors and outdoors
Wind resistance	Class 2
Structure	Lacquered steel in RAL colour to be determined
Power supply	230V single-phase
Motor	0.55 kW Ferroflex gear motor up to 4x4m / 1.1 kW for higher measurements
Control cabinet	ELK-CI02 with frequency converter
Opening speed	Adjustable up to 2.0 / 1.5 m/second (depending on measurements)
Safety photocells transmitter / receiver	One on head. Another 300 mm from the ground
Lower part	Sandbag

FABRIC SPECIFICATIONS

Fabric	AT 1100 dtex polyester
Coating	2-side PVC
Weight	900 g/m ²
Finish	2-side lacquered
Zip	Anti-wear polyethylene guide
Product Standard	ISO 3795/89 on fire propagation resistance
Tensile strength	400 daN/5 cm according to UNE ISO 1421/1 1998
Tear resistance	80 daN according to UNE ISO 13937.2

* For measurements above 4000 x 4000 mm please enquire.
** Includes the possibility of implementing warning light (230V), double opening height and airlock system as standard equipment.

Drawings



Self-repair system in case of collision.



Door designed for indoors and outdoors.



Minimises airflow thanks to the guide system.



Fabric made of highly resistant polyester.

* Illustrative measurements in drawings. Ferroflex reserves the right to make changes or modifications to the design.

Optional equipment

Self-repairing door

FEATURES

Front motor	Chain and pinion system
Structure	304 stainless steel (max. measurements 3800 x 3800 mm)
Motor cover	Yes
Vision panels	Transparent / microperforated
Silk screening on fabric	Yes (please check)
Light barrier	Up to 2500 mm in height to protect the clear-width area
Drive	Standard, high performing
Emergency opening	UPS (uninterrupted power system)
Opening system	Remote control using pluggable card in control cabinet
Other opening systems	Radars, switches, ceiling handles, magnetic field



FABRIC COLOURS

RAL 9016		RAL 5005	
RAL 1014		RAL 5010	
RAL 1003		RAL 7038	
RAL 2004		RAL 7037	
RAL 3002		RAL 7016	
RAL 6026		RAL 8014	
RAL 5002		RAL 9005	

* Please ask about other options not included.



The high-speed fold-up door has been designed for intensive use in large outdoor openings, thanks to its great resistance to draughts.

Its air tightness means that different working areas can be isolated, allowing for units to be prepared, compartmentalised and climatised for better worker comfort. The reinforcing crossbars on the fabric protect the inside from adverse environmental conditions. Its high resistance to wind and its size make it the best solution for outdoor openings.

Standard equipment

The Ferroflex fold-up doors are a great option in industrial doors. The variety of configuration options available means that the door can be customised in line with project requirements.

MAIN FEATURES

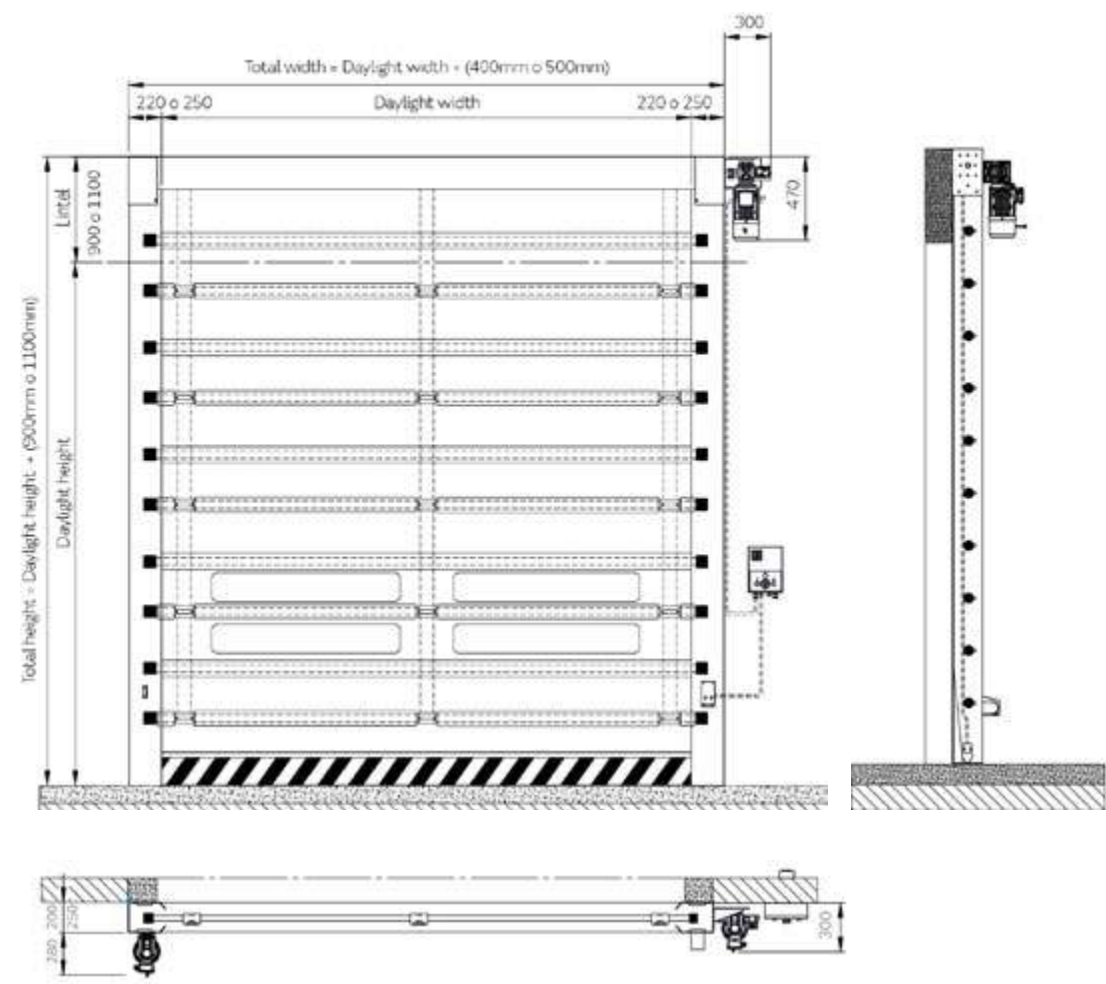
Maximum dimensions	7000 x 7000 mm
Use	Indoors and outdoors
Wind resistance	Class 2 (up to 6000 x 6000 mm)
Structure	Lacquered steel in RAL colour (to be determined)
Power supply	400V / 230V three-phase
Motor	1.1/1.8 kW Ferroflex gear motor (depending on measurements)
Control cabinet	ELK-C01
Opening speed	Fixed 0.8 m/second
Polarised photocell	Yes, 2 units
Lower profile	Aluminium with wireless resistive safety slat built in

FABRIC SPECIFICATIONS

Fabric	AT 1100 dtex polyester
Coating	2-side PVC
Weight	900 g/m²
Finish	2-side lacquered
Product Standard	ISO 3795/89 on fire propagation resistance
Tensile strength	400 daN/5 cm according to UNE ISO 1421/1 1998
Tear resistance	80 daN according to UNE ISO 13937.2

* Includes the possibility of implementing warning light (230V), double opening height and airlock system as standard equipment.

Drawings



-  Highly wind resistant thanks to its reinforcing crossbars.
-  For large outdoor openings.
-  Coloured or silk-screened fabric.
-  Product designed for specific applications or use.

* Illustrative measurements in drawings. Ferroflex reserves the right to make changes or modifications to the design.

Optional equipment

Fold-up door

FEATURES

Front motor	Chain and pinion system
Structure	304 stainless steel
Motor cover	Yes
Vision panels	Transparent / microperforated
Silk screening on fabric	Yes (please check)
Light barrier	Up to 2500 mm in height to protect the clear-width area
Control cabinet	ELK-CI02 (230V single phase) with frequency converter
Drive	Standard, high performing
Emergency opening	UPS (uninterrupted power system)
Opening speed	Adjustable 1.5 m/second (depending on measurements)
Opening system	Remote control using pluggable card in control cabinet
Other opening systems	Radars, switches, ceiling handles, magnetic field



FABRIC COLOURS

RAL 9016		RAL 5005	
RAL 1014		RAL 5010	
RAL 1003		RAL 7038	
RAL 2004		RAL 7037	
RAL 3002		RAL 7016	
RAL 6026		RAL 8014	
RAL 5002		RAL 9005	

* Please ask about other options not included.



Reinforced fold-up door

High-speed

The high-speed reinforced fold-up door has been designed and oversized to offer very high wind resistance.

Based on our reliable fold-up model, we have made dimensional changes to its mechanics in order to offer high wind resistance. This is required in areas where the climate and inclement weather needs a product with special characteristics.

Standard equipment

The reinforced fold-up doors are the best solution for external points, where the wind load is exceptionally high, and we need to ensure that the door opens and closes in these conditions.

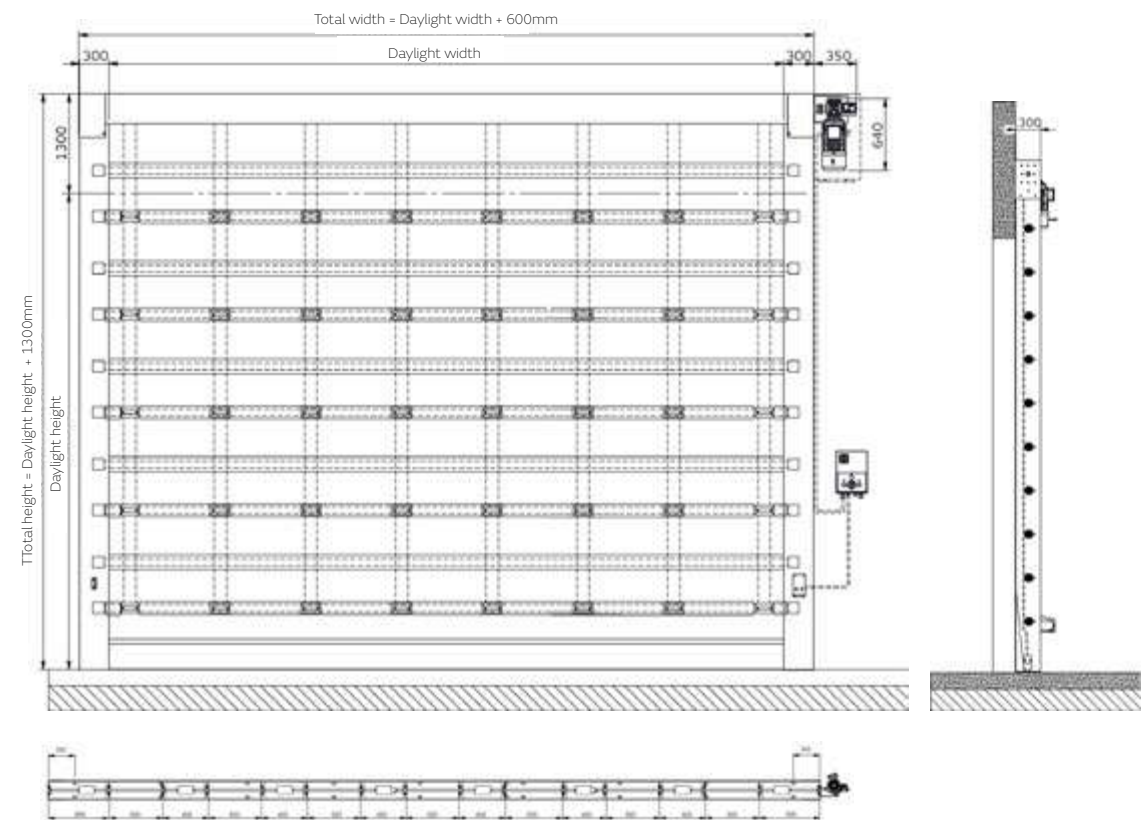
MAIN FEATURES

Maximum dimensions	7000 x 7000 mm
Use	Indoors and outdoors
Wind resistance	Class 3 / Class 5 (up to 5000 x 7000 mm)
Structure	Lacquered steel in RAL colour (to be determined)
Power supply	400V / 230V three-phase
Motor	1.8/2.2 kW Ferrofex gear motor (depending on measurements)
Control cabinet	ELK-C01
Opening speed	Fixed 0.8 m/second
Polarised photocell	Yes, 2 units
Lower profile	Aluminium with wireless resistive safety slat built in

FABRIC SPECIFICATIONS

Fabric	AT 1100 dtex polyester
Weight	900 g/m²
Product Standard	ISO 3795/89 on fire propagation resistance
Tensile strength	400 daN/5 cm according to UNE ISO 1421/1 1998
Tear resistance	80 daN according to UNE ISO 13937.2

Drawings



The best wind resistance, thanks to its oversized reinforced tubes



For large outdoor openings.



Coloured or silk-screened fabric.



Product designed for specific applications or use.

* Illustrative measurements in drawings. Ferroflex reserves the right to make changes or modifications to the design.

Optional equipment

Reinforced fold-up door

FEATURES

Structure	Lacquered in RAL colour to be determined
Motor cover	Yes
Vision panels	Transparent / microperforated
Silk screening on fabric	Yes (please check)
Light barrier	Up to 2500 mm in height to protect the clear-width area
Control cabinet	ELK-CI02 (230V single phase) with frequency converter
Opening speed	Adjustable up to 1.2 m/second (depending on measurements)
Opening system	Remote control using pluggable card in control cabinet
Other opening systems	Radars, switches, ceiling handles, magnetic field



FABRIC COLOURS

RAL 9016		RAL 5005	
RAL 1014		RAL 5010	
RAL 1003		RAL 7038	
RAL 2004		RAL 7037	
RAL 3002		RAL 7016	
RAL 6026		RAL 8014	
RAL 5002		RAL 9005	

* Please ask about other options not included.

Technical high-speed doors

Our range of technical high-speed doors is the perfect solution for industrial doors with special requirements, due either to the environmental conditions or to the characteristics of the area where they are to be installed.

Maximum Safety

Our high-speed industrial doors are manufactured in accordance with the mandatory European standard EN13241:1.





Door for clean rooms

High-speed roll-up

The high-speed roll-up door for clean rooms has been designed to offer a high level of air tightness in environments in which the utmost hygiene is required.

Developed to provide air tightness in the compartmentalised areas where they are installed, their design is optimised to maximise the hygiene required in this type of environment, along with the most effective hermetic seal, working with pressure differences of up to 50 Pascal.

Standard equipment

The high-speed roll-up doors for clean rooms are not only capable of maintaining specific pressure levels for the pharmaceutical, electronics, or aeronautics sectors, etc., but also can be adapted to any type of project or requirement, thanks to the configurations available.

MAIN FEATURES

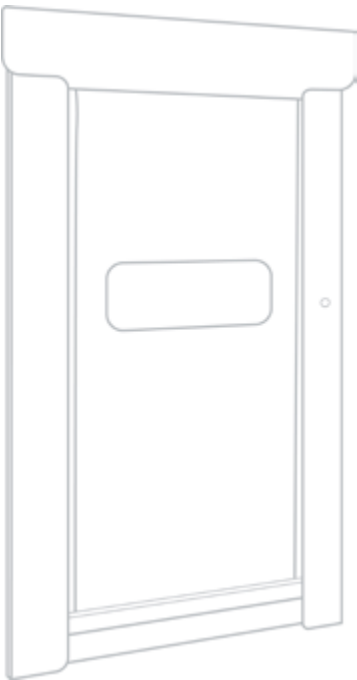
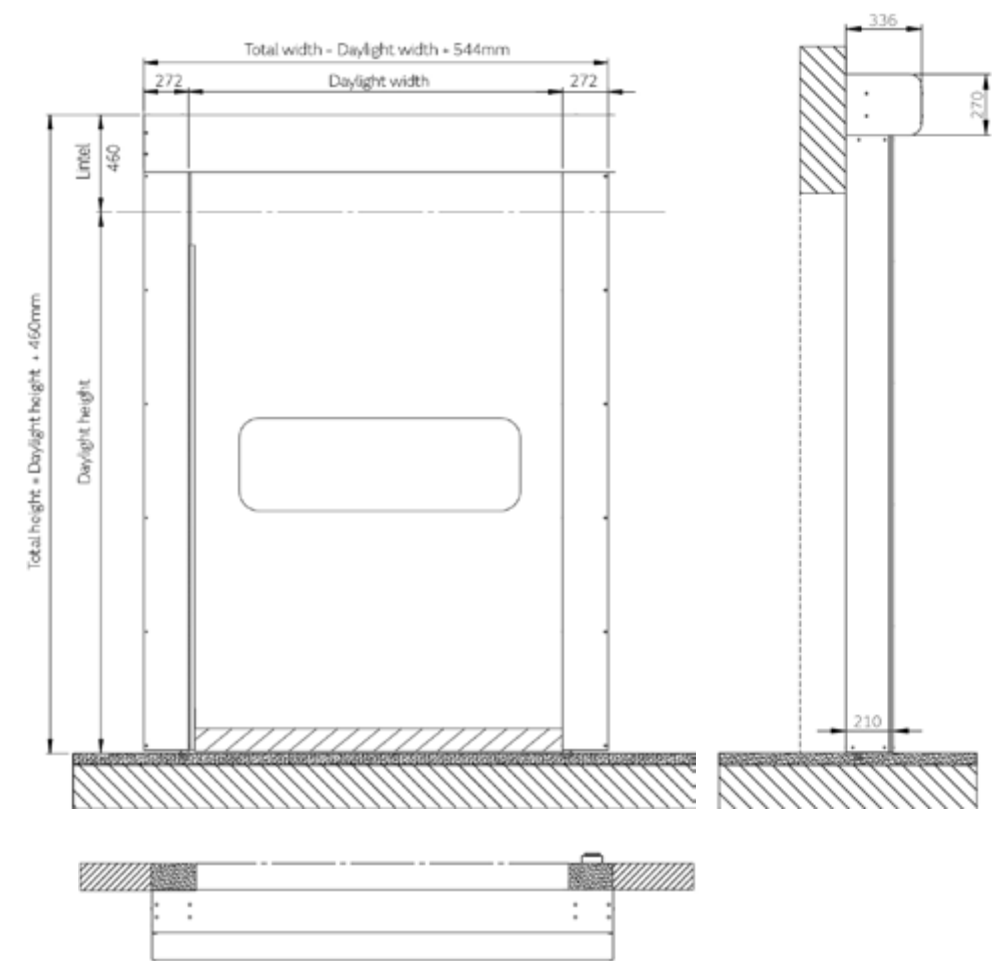
Maximum dimensions	3500 x 3500 mm
Use	Indoors
Wind resistance	Class 0 (no classification)
Air impermeability	Class 1 *
Structure	Galvanised steel
Power supply	230V single-phase
Motor	Special 0.37 kW gear motor hidden on side
Control cabinet	ELK-CI02 (frequency converter) built into the side of the door
Opening speed	Adjustable up to 1.5 m/second (depending on measurements)
Light barrier	Built into the side guides
Lower part	Sandbag

FABRIC SPECIFICATIONS

Fabric	AT 1100 dtex polyester
Coating	2-side PVC
Weight	900 g/m ²
Finish	2-side lacquered
Product Standard	ISO 3795/89 on fire propagation resistance
Tensile strength	400 daN/5 cm according to UNE ISO 1421/1 1998
Tear resistance	80 daN according to UNE ISO 13937.2

* Tested on measurements 2650 x 1550 mm. Air leak recorded 113.97 m³/hour.
** Includes the possibility of implementing warning light (230V), double opening height and airlock system as standard equipment.

Drawings



Areas with special environments, such as laboratories.



Motor and control box housed inside the side structure of the door.



Easy-to-clean structure with no sharp edges for equipment sanitisation.



Air permeability according to standard EN12426.

* Illustrative measurements in drawings. Ferroflex reserves the right to make changes or modifications to the design.

Optional equipment

Roll-up door for clean rooms

FEATURES

Structure	304 stainless steel
Vision panels	Transparent / microperforated
Silk screening on fabric	Yes (please check)
Emergency opening	UPS (uninterrupted power system)
Opening system	Remote control using pluggable card in control cabinet
Other opening systems	Radars, switches, ceiling handles, magnetic field
Buttons	Yes, built into side of door. “No Touch” button option



FABRIC COLOURS

RAL 9016		RAL 5005	
RAL 1014		RAL 5010	
RAL 1003		RAL 7038	
RAL 2004		RAL 7037	
RAL 3002		RAL 7016	
RAL 6026		RAL 8014	
RAL 5002		RAL 9005	

* Please ask about other options not included.



Door for cold-storage chamber

High-speed roll-up

The high-speed door for cold-storage chambers has been designed to compartmentalise areas with atmospheric conditions in which the maximum difference in temperature is 25 °C (for example, -25 °C interior +0 °C exterior) and the maximum atmospheric humidity is 30%.

These doors have been designed in two versions: for installation in cold-storage chambers (down to 0°) and to compartmentalise freezing chambers (down to -25°). When closed, they prevent the energy losses caused by opening the cold storage door. The operating speed allows for the maximum use of time and reduces temperature losses.

* This door is designed to operate during chamber loading and unloading work, not as a cold-storage enclosure door (when loading/unloading is not taking place, the sliding door to the chamber must remain closed and the high-speed door open).

Standard equipment

We have two product lines, with specific fabric specifications to best suit the cold-storage conditions. Thanks to the different configuration options of our products, they can be adapted to any requirement.

MAIN FEATURES

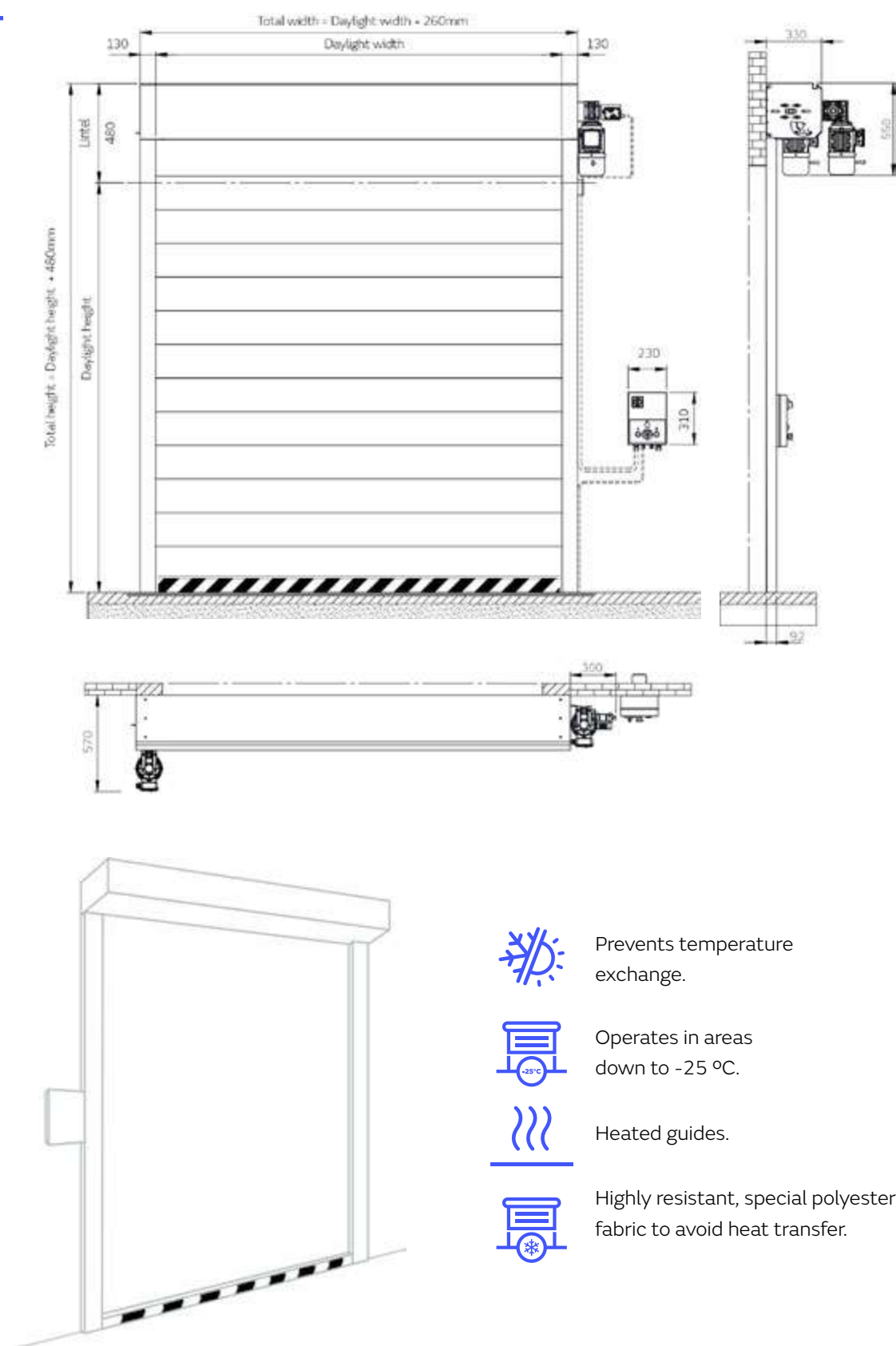
Maximum dimensions	3600 x 4000 mm
Use	Indoors
Wind resistance	Class 0 (no classification)
Structure	Anodised aluminium
Power supply	230V single-phase
Motor	0.55 kW gear motor with special IP rating **
Control cabinet	ELK-CI02 (frequency converter)
Opening speed	Adjustable up to 2.0 m/second (depending on measurements)
Light barrier	Built into the side guides
Lower part	Sandbag

FABRIC SPECIFICATIONS

	0° MODEL	-30° MODEL
Fabric	AT 1100 dtex polyester	AT 1100 dtex polyester
Coating	Foam	2-side PVC + foam
Weight	1,350 g/m ²	3,150 g/m ²
Finish	1-side lacquered	2-side lacquered
Temperature resistance	-25° +70°	-35° +70°
Product Standard	——	ISO 3795/89 Fire propagation resistance
Tensile strength UNE ISO 1421/1 1998	2500 daN/5 cm	400 daN/5 cm
Tear resistance	250 daN according to DIN 53363/2003	80 daN according to UNE ISO 13937.2

* Includes IP54, Anti-humidity kit for IP65 brake and resistors in gear motor.
** Includes the possibility of implementing warning light (230V), double opening height and airlock system as standard equipment.
*** Includes thermal-active resistors around the entire door to ensure operation.

Drawings



* Illustrative measurements in drawings. Ferroflex reserves the right to make changes or modifications to the design.

Optional equipment

Door for cold-storage chamber

FEATURES

Structure	Lacquered in RAL colour to be determined
Motor cover	Yes
Silk screening on fabric	Yes (please check)
Emergency opening	UPS (uninterrupted power system outside negative area)
Opening system	Remote control using pluggable card in control cabinet
Other opening systems	Radars, switches, ceiling handles, magnetic field



FABRIC COLOURS

RAL 9016		RAL 5005	
RAL 1014		RAL 5010	
RAL 1003		RAL 7038	
RAL 2004		RAL 7037	
RAL 3002		RAL 7016	
RAL 6026		RAL 8014	
RAL 5002		RAL 9005	

0° MODEL FABRIC COLOURS

RAL 9016	
RAL 7037	

* Please ask about other options not included.



Door for automated production lines

High-speed roll-up

The high-speed door for automated production lines is designed for installation on production lines and in automated processes.

Its high opening and closing speed guarantees a minimum cycle time, offering high performance, reliability and, most importantly, a safety barrier for operators working on the production line.

This product is compliant with all the regulations relevant to the PLe (performance level) required by standards EN ISO 13849-1 and SIL3 EN 62061.

We have several types of curtain/fabrics. Their features include resistance to welding splatter and cuts when handling sheet metal and resistance to impact from parts.

Standard equipment

This model offers complete integration into the production line, ensuring that the manufacturing process is swifter and safer, reducing cycle times and minimising potential idle time resulting from tool changes in the manufacturing process.

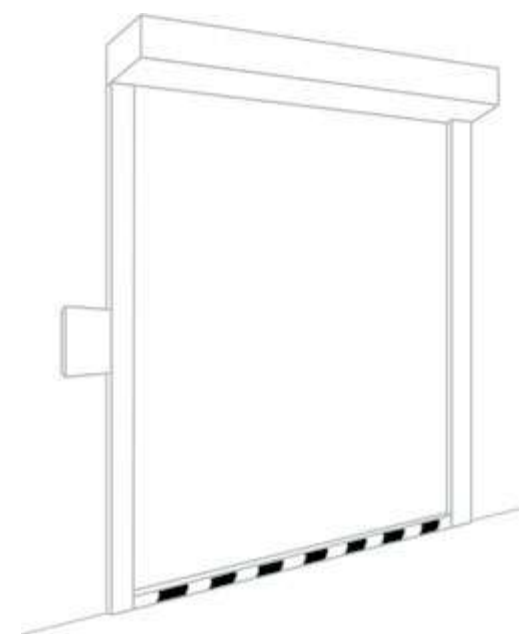
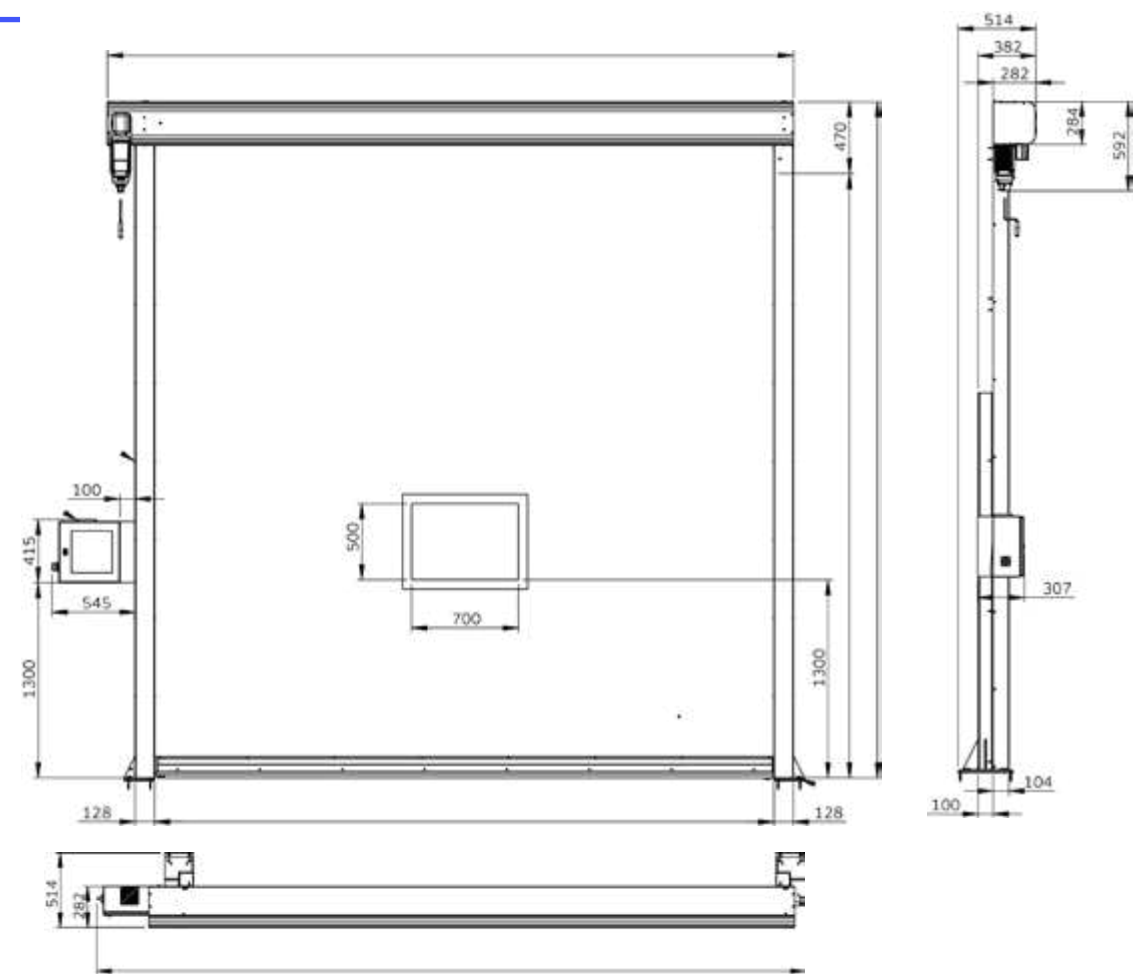
MAIN FEATURES

Maximum dimensions	4000 x 4000 mm
Use	Indoors on production lines / enclosures for hazardous machinery
Wind resistance	Class 0 (no classification)
Structure	Combined, in anodised aluminium (exterior) and steel (interior)
Power supply	230V single-phase
Motor	Special gear motor for intensive use
Control cabinet	ELK-CI02 (prepared for connection to the installation's PLC)
Opening speed	Adjustable up to 2.5 m/second (depending on measurements)
Cycles	For intensive use up to 5 cycles/min
Fabric	2 types: Resistant to welding splatter, impact, cutting Resistant to high temperatures
Guide system	Yes, throughout

FABRIC SPECIFICATIONS

Fabric	Fabric made of polyester warp and weft
Coating	2-side PVC
Weight	2.35 kg/m ²
Finish	2-side lacquered
Product standard	ISO 21181:2005
Thickness	2 mm
Breaking force	150 N/mm

Drawings



-  Suitable as safety protection on automated lines.
-  Designed for intensive use (up to 5 cycles/minute).
-  Control cabinet designed to be entirely controlled by the installation's PLC.
-  **AUTO** Maximum performance and minimum maintenance.

* Illustrative measurements in drawings. Ferroflex reserves the right to make changes or modifications to the design.

Optional equipment

Door for automated production lines

FEATURES

Fabric	2 mm thick. Special for welding / cutting / high temperatures
Vision panel	700 x 500 mm transparent PVC (depending on application)
UV filter vision panel	700 x 500 mm red PVC with UV filter (depending on application)
Self-supporting support	Yes, for free-standing installation
Lower plates	Yes, for lower attachment



FABRIC COLOURS

RAL 5000	
RAL 2004	
RAL 7037	 *

* Colour only available for fabrics designed to withstand high temperatures, welding splatter or similar.

** Please ask about other options not included.



Fold-up door for shipyards and hangars

Fold-up door

The double-fabric fold-up doors with reinforced Ferroflex interior structure are designed to cover large openings and provide high wind resistance.

Ferroflex is the exclusive national distributor for Shipyarddoor, a company dedicated to designing and manufacturing this type of specialised door, in order to offer personalised turnkey solutions.

The vertical opening system offers a series of advantages in comparison with the sliding metal doors which, for example, do not need civil work on the ground, nor side spaces, etc. and, consequently, require minimal maintenance.

Standard equipment

Each door is designed from the ground-up as per the customer’s requirements, such as dimensions, wind resistance, and location. This door system allows us to design it for installation into new buildings and to adapt it to existing premises; it can be installed both inside and outside the premises.

MAIN FEATURES

Maximum dimensions	50,000 x 30,000 mm in a single piece, with a system of retractable poles with no width limits
Use	Outdoors
Wind resistance	Up to 280 km/h (upon demand)
Structure	Anodised aluminium or treated steel (depending on the measurements)
Interior trusses	Between 120 - 1,500 mm wide
Power supply	400 V three-phase
Motor	Double motor system and synchronised gear motor
Control cabinet	Person present system
Opening speed	Fixed 0.18 - 0.20 m/second (depending on measurements)
Lower part	Steel with rubber bag for a tight interior seal

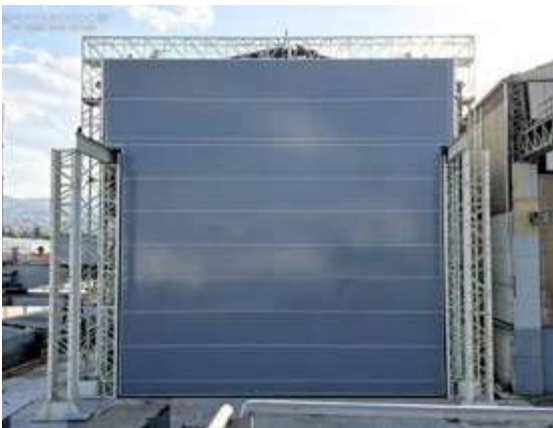
FABRIC SPECIFICATIONS

Fabric	AT 1100 dtex polyester
Weight	900 g/m²
Product standard	M2 UNE 23727/90
Tensile strength	400 daN/5 cm according to UNE ISO 1421/1 1998
Tear resistance	80 daN according to UNE ISO 13937.2

Typologies



Fold-up door for crane gantry



Fold-up door factory exterior



Fold-up door for dams



Fold-up door for marquees



Fold-up door for hangars

Optional equipment

Fold-up door for shipyards and hangars

FEATURES

Structure	Lacquered in RAL colour to be determined
Fabrics	Special, translucent
Vision panels	Transparent / microperforated
Specific solutions	For crane gantry doors
Control cabinet	With PLC for doors with retractable poles
Additional safety systems	On small dimension doors (photocells, safety slat...)
Other opening systems	Radars, switches, ceiling handles, magnetic field in small doors
Button	Hold to run mode



Product designed for specific applications or use.



For large outdoor openings.



Maximum performance and minimum maintenance.



Wind resistance up to 280 km/h.

FABRIC COLOURS

RAL 9010		RAL 6018	
RAL 1018		RAL 5012	
RAL 2003		RAL 5010	
RAL 1013		RAL 9006	
RAL 3020		RAL 7039	
RAL 6019		RAL 9005	

Other industrial door solutions

Our range of industrial doors includes solutions ranging from high-speed doors to fire doors, sectional doors and even solutions for loading points.

The entire range is designed to be customised to the requirements of each project and to provide maximum safety.



Metallic fire doors

Metal fire doors are designed to isolate areas in case of fire, and prevent the fire from spreading to other areas.

Quality, resistance and safety in all our metallic fire doors. At Ferroflex, we offer a wide range of fire-resistant doors and solutions which provide the perfect solution to adapt to any requirement.

The wide range of finishes and typologies available allows for the sectorisation of any type of area.

Through constant development and innovation, we can improve our end product day by day, guaranteeing compulsory compliance with European regulations with regards to industrial doors.

For more information about fire doors, please see the specific catalogue.

Types of fire doors

Industrial sliding metal doors are available as manual or automatic, and offer customisable options both in their closing systems and their movement mechanism.

Industrial sliding door

Designed to offer maximum safety, it incorporates a spring-rope pulley closing system, thus isolating the fire-affected area.

Guillotine industrial sliding door

These doors are ideal for sectioning off areas by creating a vertical barrier and preventing the fire from spreading.

Swinging pedestrian door

This is the best solution for areas with high levels of pedestrian traffic. There are different models depending on the requirements of the project.

- **Acoustic insulation**
- **With upper fixed panel**
- **For large areas**
- **Overpressure**

Fire curtain

Fire curtains limit and control the fire, and reduce the emission of radiation and heat transfer via irrigation.

Fire access door

Fire access doors are ideal for complying with current regulations, which requires all telecommunications conduits, electrical panels or to be sealed and protected from fire.





Sectional doors

Sectional doors are the best solution for establishments in the industrial or logistics sector.

Silent and safe, these doors offer effective insulation with a maximum-security sealed closing system that insulates the inside space. Their optimised design offers a comfortable door with a reduced visual impact in the space where it is integrated.

* For more information about sectional doors, please see the specific catalogue.

Types of sectional doors

We offer different, customised opening systems that make it possible to perfectly integrate the door into architectural spaces.

Sectional doors with normal lintel

The normal lintel system offers a huge number of options that can be adapted to different height requirements.

- **Standard lintel**

Suitable for almost any situation.

This system requires a minimum lintel height of only 420 mm.

- **Vertical lintel**

Ideal solution when there is sufficient height in the lintel to avoid invading the interior area.

- **High lift lintel**

Perfect for installation scenarios with additional height, as it creates a larger work area.

Sectional doors with reduced lintel

The reduced lintel system has been especially developed for situations with minimum height, since it allows high-quality industrial sectional doors to be installed even in very low areas.





Loading points

At Ferroflex, we have all of the equipment for industrial loading points for companies and professionals.

Loading docks are a fundamental part of the logistical chain since they are where the goods and products for any industry or warehouse are loaded and unloaded. At Ferroflex, we are aware that this is the area where significant movement takes place and therefore it must be easily accessible and be specifically equipped. Hence, we offer every type of equipment needed to facilitate the process of loading and unloading large, heavy material.

Equipment for loading points

Dock shelters

This is designed to make it easier to insulate the premises in goods loading and unloading areas in industrial units. It prevents the entry of contaminating fumes, avoids temperature losses, and protects against air currents that could damage the goods being stored.

Our dock shelter is composed of a front and rear galvanised metal frame connected by diagonal arms so that it can fold on itself if any pressure is applied to it, before returning to its natural position as soon as the pressure is released.



Lift table and loading dock ramps

Our hydraulic lift tables and dock loading ramps have been designed to facilitate loading in any type of factory, be it logistics, laboratories, distribution, food, etc.

Manufactured according to requirements, it can be used to bridge differences in level during the movement of goods. Our technical department will study each case and find a solution so that different loads and lifts can be logically moved more quickly and practically.





Rolling shutter

Since it takes up the smallest of lintels, the rolling shutter is the ideal option for making use of the entire space available.

These shutters are specially designed with state-of-the-art extruded aluminium technology, offering high resistance to adverse weather conditions as well as maximum safety. But these are not just industrial doors for industrial premises or factories: they can be personalised and embellished to be adapted to spaces such as shops or commercial property.

Manufactured with the highest-quality materials combined with the latest innovations on the market, rolling shutters are the best solution for protecting any type of entry. Furthermore, the design of its components makes them very stable when opening and closing them as well as being highly reliable and air-tight.

Equipment for rolling shutters

MAIN FEATURES

Slats	Different types 90 x 23 mm / 120 x 23 mm
Motor*	Central shaft type for domestic use and side-mounted for industrial use
Structure	Anodised aluminium or lacquered
Control system	Person present or Automatic

SLAT COLOURS

RAL 9010 	RAL 8014 
RAL 1013 	RAL 8019 
RAL 5010 	RAL 3000 
RAL 6002 	RAL 9011 
RAL 6005 	RAL 7031 
RAL 7022 	Matt silver 

* Manual opening option

** Please ask about other options not included.

Pedestrian swing door



The PVC pedestrian swing door is the best solution for insulating different areas simply and conveniently whilst facilitating fast, flowing transit of both people and machines.

Its to-and-fro system greatly facilitate transit manoeuvrability whilst ensuring thermal and acoustic insulation. The PVC fabric offers different levels of transparency or opacity depending on each customer’s needs, as well as being a shock-proof material thanks to its flexibility.

Equipment for pedestrian doors

Ferroflex’s pedestrian swing doors are built with aluminium frames and a hinge system that makes it possible to adjust the closing force to suit the customer’s needs.

The door can have one or two leaves and it includes a flexible part made of 5 mm thickness PVC fabric whose format can be customised: totally transparent, mixed with the lower part in grey, totally opaque in grey or a triple mix with a transparent middle section.

MAIN FEATURES

Maximum dimensions	2800 x 3000 mm
Use	Indoor for dividing spaces and acoustic insulation
Structure	Anodised aluminium
Opening direction	Horizontal swing or both directions
Fabric	PVC

STRUCTURE COLOURS

RAL 9016 	RAL 5010 
RAL 1003 	RAL 7038 
RAL 2004 	RAL 7037 
RAL 3002 	RAL 7016 
RAL 6026 	RAL 8014 
RAL 5002 	RAL 9005 
RAL 5005 	

FABRIC COLOURS

Transparent	
RAL 7037	

* Please ask about other options not included.



Strip curtains

The strip curtain is the ideal system in spaces where there is a significant need for movement with as much available space as possible.

This is the cheapest closing system and the one that requires least maintenance. Its simple installation and easy handling make it suitable for any area. It can be installed both in areas with high levels of humidity and in areas with low temperatures. Furthermore, it has an easy fixing system, which permits 90° rotation in both directions due to the strips being individually attached. It is easy to assemble and maintain as well as being highly airtight thanks to the overlapping strips.

Ferroflex's strip curtains are manufactured on a metal support which enables 90° oscillation in each direction with a snap-in installation system. Each strip is individually attached by using metal plates and rivets for easy assembly and disassembly.

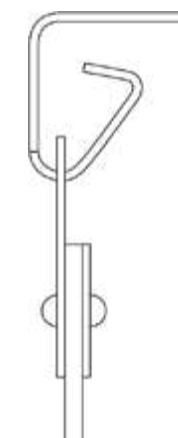
Equipment of strip curtains

The strips have rounded edges to prevent cuts, and are overlapped in order to provide maximum soundproofing, dust insulation and protection against differences in temperature. Furthermore, the folded sheet guide that holds the strips can be manufactured in galvanised or stainless steel.

A defining feature of Ferroflex's strip curtains is the option to personalise and adapt them to the requirements of each project. They can be manufactured in special transparent or semi-transparent grey PVC as well as special PVC for cold storage facilities with freezing areas as far down as -35°. Strips come in different types: 200 x 2 mm / 200 x 3 mm / 300 x 3 mm / 400 x 4 mm.

MAIN FEATURES

Minimum dimensions	1400 x 1400 mm
Maximum dimensions	5000 x 5000 mm *
Structure	Galvanised steel / Stainless steel AISI 304
Strip overlap	33% / 66% / 100%
Chassis	Hot-dipped galvanised steel / Stainless steel / RAL Lacquered **



- * Following a technical study, it may be manufactured in bigger sizes. Please enquire.
- ** Please check for RAL colour options.
- *** Spare PVC can be supplied in 50m rolls.
- **** Please ask about other options not included.

ferroflex

industrial access

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