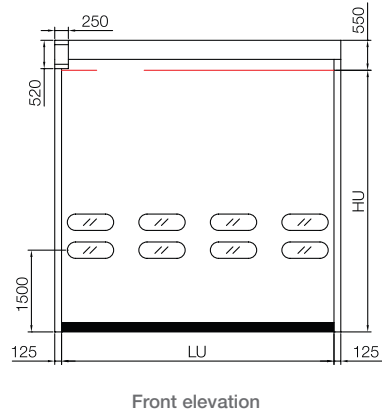


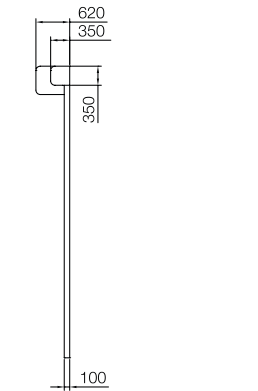
sara® 

High Speed & Freezer Doors

sara®
SPRINT



Front elevation



Vertical section

Dynamic

The Sprint Dynamic high-speed doors are self-repairing, meaning that if the door curtain comes out of their guides (for example, in the event of impact with a forklift) the system will automatically reset the curtain back into the guide on the next close cycle.

Sprint Dynamic columns are made from galvanized steel, or can be custom-ordered in stainless steel and painted various RAL colours.

Modular construction allows easy interchange of door parts.

At the heart of the Sprint Dynamic design, is our innovative curtain edge

that firmly holds the curtain into the side guides. If impacted, the curtain will release from the side guide and automatically reset on the next door cycle.

Because there are no metal parts within the curtain design, damage is kept to a minimum.

Features & Benefits

- Self-repairing
- Motor with inverter controls allowing operating speeds up to 2.5 m/s
- Oil-free guides allow doors to withstand wind loads of up to 120 km/h (depending on door size)
- Minimal maintenance
- Quiet operation
- Soft-touch bottom edge/bottom rail
- 22 Ray light curtain

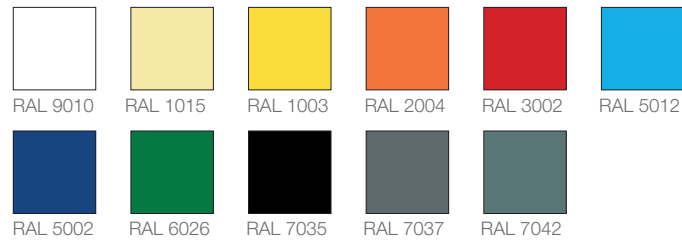
Optional Extras

- Various vision panel designs
- Digital print onto the curtain
- Customer logos
- Insulated curtain

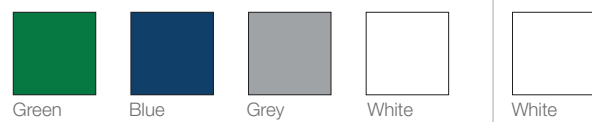
- "T" cut emergency exit in the curtain
- Stainless steel frame
- Powder coated frame
- Counter weight for manual opening
- UPS battery backup
- Remote controls
- Radar sensors
- Induction loop detectors
- Pull switch with optional gallows
- Proximity sensors
- Key switch
- Digital keypad
- LED traffic lights
- Flashing warning light
- Heating kits to guides and motors

Colours Options

1300gr/m²



Insulated Cloth 3mm



FDA Approved Cloth 1700gr/m²



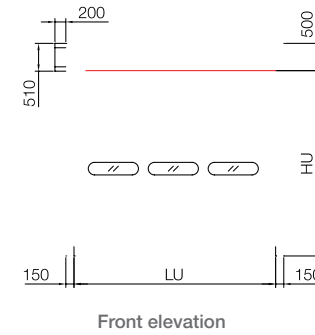
Standard Frame



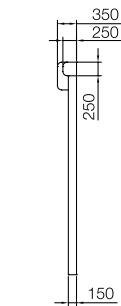
Standards and Conformity

Mechanical Compliance	BS EN12604	
Resistance against Wind Pressure	DIN EN12424 - 44	Class 2
Air Permeability	EN12426 - 7	Class 1
Thermal Performance	EN12428	5.82W/m²K
Resistance to Water Penetration	EN12425	Class 3
Compliant to European Standard	EN13241	

sara®
SPRINT



Front elevation



Vertical section

Roll

This door is designed for continual use, can be installed internally or externally. Simple free standing, modular design making for a fast and easy installation. The door design consists of a U-shaped column section finished with brush strips on either side to give a good seal when the curtain is closed.

The control board is supplied by a 400v supply and the operation is designed for continuous use.

The curtain has horizontal bars fitted into pockets welded to the curtain to give up

to a class 2 wind load, ideal for less windy applications. Additional insulation can be achieved with using an insulated curtain. The curtain wraps around the barrel in the traditional way.

Features & Benefits

- Up to 1 m/s opening speed
- 3 ph control panels
- Wireless safety edge
- Canopy and motor cover included
- 900 g/m² curtain with 12 standard colours
- 1 row of vision as standard
- 1 piece curtain or modular design with aluminium profiles
- Frame and all covers are galvanised as standard
- Stainless steel and painted frames and covers (optional)
- Ideal for internal and external openings
- Simple self supporting modular design
- Manual release handle as standard
- Quick lead times
- Proven reliable design
- Helps to reduce heat loss

Optional Extras

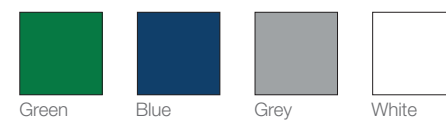
- Various vision panel designs
- Digital print onto the curtain
- Customer logos
- Insulated curtain
- Stainless steel frame
- Powder coated frame
- Counter weight for manual opening
- Remote controls
- Radar sensors
- Safety light grid
- Induction loop detectors
- Pull switch with optional gallows
- Proximity sensors
- Key switch
- Digital keypad
- LED traffic lights
- Flashing warning
- Induction loop detectors

Colours Options

900gr/m²



Insulated Cloth 3mm



Standard Frame



Standards and Conformity

Mechanical Compliance	BS EN12604	
Resistance against Wind Pressure	DIN EN12424 - 44	Class 2
Air Permeability	EN12426 - 7	Class 1
Thermal Performance	EN 12428	5.82W/m²K
Resistance to Water Penetration	EN12425	Class 3
Compliant to European Standard	EN13241	

The Spiral Door is the top of the range in the insulated blinds Thermicroll® because it guarantees the best performance in terms of speed, security and isolation, combined with an aesthetic very attractive; it is suitable for both indoor and outdoor applications.

The patented circular spiral winding is made of high-density polyethylene and the mantle is composed of aluminum or steel panels with double walls with high thermal-acoustic insulation and the possibility of insertion of polycarbonate windows. The enormous advantage of this product is its versatility because the dimensions of the winding is very small

and it is absent the footprint when the door is open. It also does not require anchoring to the ceiling, unlike traditional sectional doors.

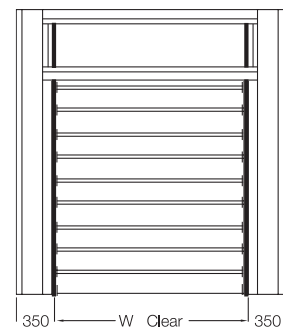
The simple construction allows to bring down costs, maintenance and installation time, but at the same time enhances the quality that is certified in compliance with existing laws.

Features & Benefits

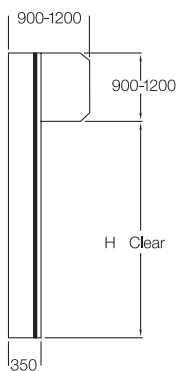
- Suitable for indoor and outdoor use
- Opening speeds up to 2 m/s
- Maximum dimensions: 6,000mm (w) x 5,000mm (h)
- High wind resistance to DIN standard depending on dimension
- Thermally insulated profiles for improved efficiency
- Control panel with automatic operating logic and safety management
- Drive positioned on front or side of door for easy installation in confined space
- Counterweight system for emergency opening function

Optional Extras

- Windowed, double wall
- Micro-perforated
- Powder Painting
- PMMA acrylic UV
- Spiral Air Flow
- Wire rope anchors
- Heating System
- Magnetic detector
- Key switch
- Flashing
- Numeric keypad
- Light Tower

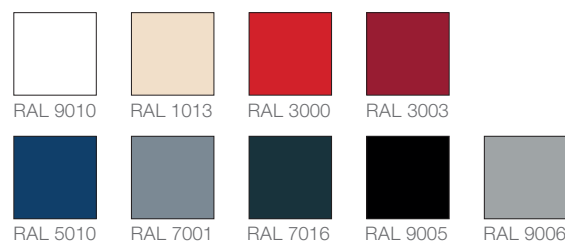


Front elevation



Vertical section

Colours Options



Standards and Conformity

Resistance against Wind Pressure	DIN EN12424 - 44	Class 3 & 4
Thermal Performance	EN12428	U = 1.9 W/m2K
Safety Photocell - IP69	22 rays up to h=2500mm	UNI EN 13241 - 1

The Sprint Combi High-speed doors are self-repairing, meaning that if the door curtain comes out of their guides (for example, in the event of impact with a forklift) the system will automatically reset the curtain back into the guide on the next close cycle.

Combi columns are made from galvanized steel, or can be custom-ordered in stainless steel and painted various RAL colours. Modular construction allows easy interchange of door parts.

At the heart of the Combi door design is our innovative curtain edge that firmly holds the curtain into the side guides.

If impacted, the curtain will release from the side guide and automatically reset on the next doorcycle. Because there are no metal parts within the curtain design, damage is kept to a minimum. Within the same frame there is an insulated roller shutter to provide additional security when closed.

Features & Benefits

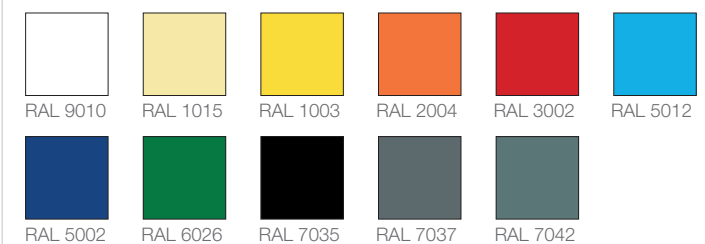
- Up to 2.5 m/s opening speed
- 3 ph drive control panels
- Wireless safety edge
- Self repairing curtain following impact (Dynamicroll)
- Canopy and motor cover included (Dynamicroll)
- 1300 g/m2 curtain with 12 standard colours
- Insulated galvanised lath
- 2 rows of vision as standard (Dynamicroll)
- Frame and all covers are galvanised as standard
- Simple modular design
- Manual release handle as standard
- Quick lead times
- Proven reliable design
- Helps to reduce heat loss and vermin

Optional Extras

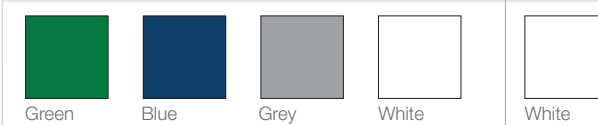
- Various vision panel designs
- Digital print onto the curtain
- Customer logos
- Insulated curtain
- "T" cut emergency exit in the curtain
- Stainless steel frame
- Powder coated frame
- UPS battery backup
- Remote controls
- Radar sensors
- Safety light grid
- Induction loop detectors
- Pull switch with optional gallows
- Proximity sensors
- Key switch
- Digital keypad
- LED traffic lights
- Flashing warning light

Colours Options

1300gr/m²

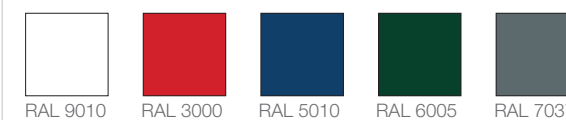


Insulated Cloth 3mm



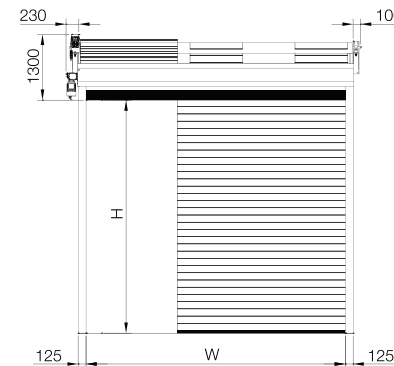
FDA Approved Cloth 1700gr/m²

Standard Frame

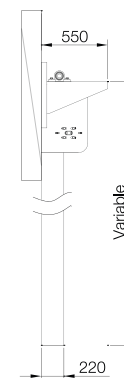


Standards and Conformity

Mechanical Compliance	BS EN12604	
Resistance against Wind Pressure	DIN EN12424	Class 1 - 4
Resistance to Water Penetration	EN12425	Class 3
Compliant to European Standard	EN13241	



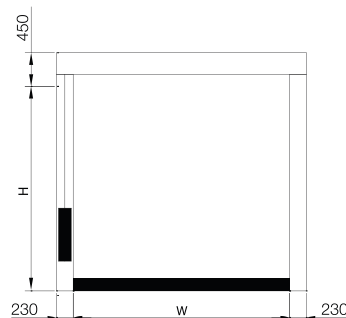
Front elevation



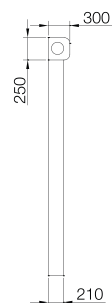
Vertical section

sara®

SPRINT



Front elevation



Vertical section

Clean Room

Clean Room High-speed doors are self-repairing, meaning that if the door curtain comes out of their guides (for example, in the event of impact with a forklift) the system will automatically reset the curtain back into the guide on the next close cycle.

Clean Room columns are made from stainless steel. The motor is enclosed in the heading and comes as standard with a counter weight for emergency opening. Modular construction allows easy interchange of door parts.

At the heart of the Clean Room door design is our innovative curtain edge

that firmly holds the curtain into the side guides. If impacted, the curtain will release from the side guide and automatically reset on the next door cycle. Because there are no metal parts within the curtain design, damage is kept to a minimum.

A double ballasted bottom edge ensures there is always a good seal to the floor.

Features & Benefits

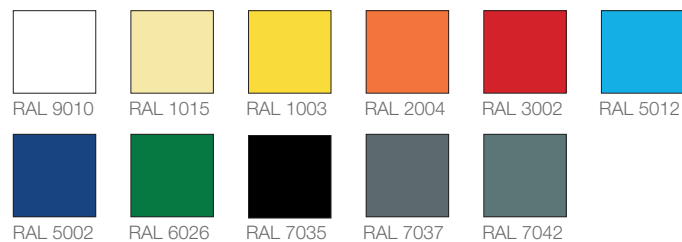
- Up to 2.5 m/s opening speed
- 3 ph inverter drive control panels
- Self repairing curtain following impact
- Canopy and motor cover included
- 1700 g/m² antistatic curtain
- 2 rows of vision as standard
- Frame and all covers are stainless steel as standard
- Simple modular design
- Counter weight as standard
- Quick lead times
- Proven reliable design
- Air permeability <12m³/m²h – 50Pa

Optional Extras

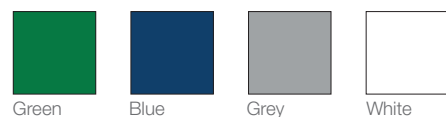
- Various vision panel designs
- Digital print onto the curtain
- Customer logos
- Insulated curtain
- “T” cut emergency exit in the curtain
- UPS battery backup
- Remote controls
- Radar sensors
- Safety light grid
- Induction loop detectors
- Pull switch with optional gallows
- Proximity sensors
- Key switch
- Digital keypad
- LED traffic lights
- Flashing warning light
- Distributor

Colours Options

1300gr/m²



Insulated Cloth 3mm



FDA Approved Cloth 1700gr/m²

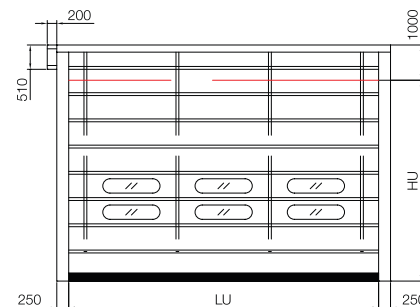


Standards and Conformity

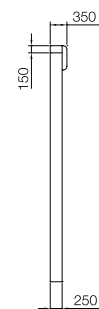
Mechanical Compliance	BS EN12604	
Resistance against Wind Pressure	DIN EN12424 - 44	Class 1
Air Permeability	EN 12426 – 7	Class 3
Thermal Performance	EN 12428	5.82W/m ² K
Resistance to Water Penetration	EN12425 – 489	Class 3
Compliant to European Standard	EN13241	

sara®

SPRINT



Front elevation



Vertical section

Pack

The Sprint Pack high-speed roll-up doors are the technical evolution of old, heavy doors designed to close large spaces, now obsolete and not suited to today's industrial needs.

Pack doors are safe and fast, able to withstand strong winds and to ensure safe opening and closing operations within large spaces. They consist of a frame made of steel bars covered with PVC, able to withstand very strong winds up to 150 km/h for Pack doors.

The resistive safety edge fitted to the bottom edge of the door and its barriers

make this product extremely flexible, which is ideal for frequent and safe opening and closing operations.

Doors for overhead crane systems. Automatic or dead man. Constructed to cover the top area or completely to the ground.

Features & Benefits

- Up to 0.3 m/s opening speed
- 3 ph control panels
- Wireless safety edge (optional)
- Canopy and motor cover included
- 900 g/m² curtain with 16 standard colours
- 1 row of vision as standard (depending on size)
- Twin curtains fixed either side of an internal frame
- Frame and all covers are galvanised as standard
- Ideal for large internal and external openings
- Self supporting modular design (optional)
- Proven reliable design
- Helps to reduce heat loss

Optional Extras

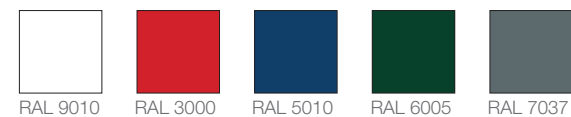
- Painted frame
- Stainless steel frame in satin finish
- Stainless steel frame Aisi 316
- Curtain fabric 1300gr/m²
- Insulated curtain fabric 3mm
- Control box, plastic PVC or SS Aisi 304
- Electric control board with inverter (220v)
- Flashing light
- Remote control
- Radar
- Induction Loop
- Selector with key
- Pull cord switch
- Pre-wired option
- Motor position, front RH/LH side
- Oval windows (available as standard on the Carro Ponte model)
- Counterweight
- Handle wind operation

Colours Options

900gr/m²

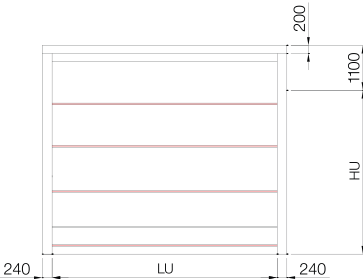


Standard Frame

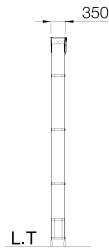


Standards and Conformity

Compliant to European Standard	EN13241
Wind Load	EN12424



Front elevation



Vertical section

The Sprint Megapack door is designed for installation internally or externally. Simple free standing, modular design making for a fast and easy installation, depending on the size.

The door design consists of a U-shaped column section finished with a rubber seal on each side to protect the curtain whilst operating.
The control board is supplied by a 400v supply. The curtain has horizontal bars

fitted into pockets welded to the curtain to give up to a class 4 wind load, ideal for the more exposed locations. The curtain is raised and lowered by lifting belts and gathered at the top.

Features & Benefits

- Up to 0.3 m/s opening speed
- 3 ph control panels
- Wireless safety edge (optional)
- Canopy and motor cover included
- 900 g/m² curtain with 16 standard colours
- 1 row of vision as standard (depending on size)
- Twin curtains fixed either side of an internal frame
- Frame and all covers are galvanised as standard
- Ideal for large internal and external openings
- Self supporting modular design (optional)
- Proven reliable design
- Helps to reduce heat loss
- Max dimensions - Width: 35000mm
Height: 30000mm

Optional Extras

- Painted frame
- Stainless steel frame in satin finish
- Stainless steel frame Aisi 316
- Curtain fabric 1300gr/m²
- Insulated curtain fabric 3mm
- Control box, plastic PVC or SS Aisi 304
- Electric control board with inverter (220v)
- Flashing light
- Remote control
- Radar
- Induction loop
- Selector with key
- Pull cord switch
- Pre-wired option
- Motor position, front RH/LH side

Colours Options

900gr/m²

RAL 9010	RAL 1015	RAL 1003	RAL 2004	RAL 3002	RAL 5012	RAL 5002	RAL 6026
RAL 8014	RAL 9006	RAL 5010	RAL 6018	RAL 7035	RAL 7037	RAL 7042	RAL 9005

Standard Frame

RAL 9010	RAL 3000	RAL 5010	RAL 6005	RAL 7037

Standards and Conformity

Compliant to European Standard	EN13241
Wind Load	EN12424

The Sprint range of industrial doors offers a wide choice of customisation options.

Not every facility is the same, so our expert engineers aim to work with you to survey and specify a perfect solution to meet your requirements. Options can extend to custom sizes, vision panels, curtain edges, frame materials, motor covers and specialised systems such as sensors.

Our 30 years of experience means we can recommend features to support your operations, which can seamlessly integrate with your finished door. The principle aim is to define an optimum solution that serves to increase your efficiency and safeguard facility integrity.





Installation

As a total package provider, sara LBS also offers installation services backed by our engineers.

We aim to minimise downtime by swift and professional installation work, a combination that we have perfected over three decades of installing solutions for industry. Dedicated sara LBS engineers utilise the latest equipment and safety protocol, with a total focus on delivering quality to ensure a long service life for your Sprint door.

Our experience means we can adapt to you, with our engineers equally adept at outdoor or indoor installations, sensitive environments or manufacturing floors. Once your new door is in place, we can also maintain it for you too, keeping your downtime to an absolute minimum.



TECHNICAL AND OPERATING SPECIFICATIONS FOR SPRINT DOORS

Application	Dynamic	Clean	Roll	Spiral	Combi	Belt & Run	Megapack/Pack
Internal	-	Standard	Standard	Standard	Standard	-	Standard
External	-	Standard	Standard	Standard	Standard	-	Standard
Speed	Maximum Opening Speed	2.5 m/s	1 m/s	Up to 2 m/s	2 m/s - 0.3 ms	-	0.3 ms
	Maximum Closing Speed	0.8 m/s	0.8 m/s	0.5 m/s	0.8 m/s - 0.3 ms	-	0.3 ms
Door Sizes	Maximum Width	4000mm	6000mm	6000mm	6000mm	-	35000mm
	Maximum Height	4000mm	5000mm	5000mm	6000mm	-	30000mm
Space Requirements for Fitting	Left Hand Side	230mm	150mm	-	Dependant on door size	-	Dependant on door size
	Right Hand Side	230mm	400mm	-	-	-	-
	Non Motor Side	-	150mm	-	-	-	-
	Head Room Depending on size	450mm	500mm	-	-	-	-
Wind Class	Width x Height	Class 1 4000 x 4000 Class 2 5000 x 5000 Class 3 7000 x 5000 Class 4 8000 x 8000	Class 1 Above - 3000 x 3000 Class 2 3000 x 3000	Class 4 3000 x 3000 Class 3 5000 x 5000 Class 3 6000 x 5000	Class 3 4000 x 4000 Class 2 6000 x 6000	-	Class 3
Control Panel	Supplied as standard	Inverter controls built into frame	Contactors controls in a steel case	Inverter 380 v	Inverter controls in a steel case	-	Contactors controls in a steel case
Controls	Push Button	Proximity Sensor and Stop	-	-	Push Buttons	-	Internal
Operating Temperature	Heating Kits Optional Extra	-30°C - +70°C	-30°C - +70°C	-	-30°C - +70°C	-	Internal
Door Frame Construction	Supplied as standard	Stainless Steel	Galvanised Steel	Painted steel	Galvanised Steel	-	Galvanised Steel
Guide Material	Supplied as standard	Self Lubricating Polyethylene	Brush strip the length of the column	-	Polyethylene	-	Polyethylene wear blocks
Power Supply	400 V Frequency 50 / 60 Hz	3 Phase and Earth / 400v 16 Amp slow acting fuse	3 Phase Neutral and Earth 400v / 16 Amp slow acting fuse	400 V Frequency 50 / 60 Hz	3 Phase and Earth 400v 16 Amp slow acting fuse (depending on size)	-	3 Phase Neutral and Earth 400v / 16 Amp slow acting fuse
Supply Cable	As per Electrical Regulations	Correct size to avoid power loss 2.5mm ²	Correct size to avoid power loss 2.5mm ²	-	Correct size to avoid power loss 2.5mm ²	-	Correct size to avoid power loss 2.5mm ²
Column Covers	Supplied as standard	Stainless Steel	Galvanised	-	Galvanised	-	Galvanised
Barrel Cover	Supplied as standard	Stainless Steel	Galvanised	-	Galvanised (Dynamicroll)	-	Galvanised
Motor Cover	Supplied as standard	Stainless Steel	Galvanised	-	Galvanised (Dynamicroll)	-	Galvanised
Safety Edge	Supplied as standard	Anti-Crash Safety Sensor / Wireless	Wireless	Wireless	Wireless	-	Wireless
Photocell	Supplied as standard	Transmitter / Receiver Type	Internal	Safety Photocell - IP69 22 rays up to 2500mm	Transmitter / Receiver Type	-	Transmitter / Receiver Type
Vision Panels	Supplied as standard	Oval	1 Rows	-	2 Rows	-	2 Rows
Timed Close	Selected on Installation	0-200 secs	0-200 secs	-	0-200 secs	-	0-200 secs
Limits	Digital Encoder	Standard	-	-	Standard	-	-
	Mechanical Limits	Optional	Standard	Optional	Standard	-	Standard
Emergency Opening	Supplied as standard	Counter weight	Hand Crank to the Bottom of the motor	Counter weight	Hand Crank to the Bottom of the motor	-	-
Self Repair	Curtain self repairs following impact	Optional	-	-	-	-	-

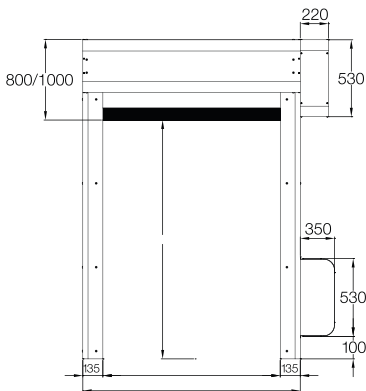


FREEZER DOORS

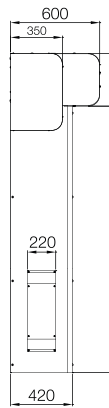
sara LBS offers a range of freezer door solutions which have been engineered to protect the temperature and hygiene of stored foods. Our doors can be specified to suit your every need and offer security for the most critical environments.



FREEZER



Front elevation



Vertical section

Frigo

Dynamicroll Frigo High-speed doors are self-repairing, meaning that if the door curtain comes out of their guides (for example, in the event of impact with a forklift) the system will automatically reset the curtain back into the guide on the next close cycle.

Dynamicroll Frigo columns are made from galvanized steel, or can be custom-ordered in stainless steel and painted various RAL colours. Modular construction allows easy interchange of door parts. At the heart of the Dynamicroll Frigo door design is our innovative curtain edge

that firmly holds the curtain into the side guides. If impacted, the curtain will release from the side guide and automatically reset on the next door cycle. Because there are no metal parts within the curtain design, damage is kept to a minimum.

Features & Benefits

- Up to 1.5 m/s opening speed
- 3 ph inverter drive control panels
- Barrel diameter sensor in the heading
- Self repairing curtain following impact (optional)
- Canopy and motor cover included
- 900 g/m2 curtain with 12 standard colours
- Frame and all covers are galvanised as standard
- Stainless steel or painted frames and covers (optional)
- Simple modular design
- Manual release handle as standard
- Quick lead times
- Proven reliable design
- Helps to reduce energy loss
- Heaters in side guides and warm air blower between curtains

Optional Extras

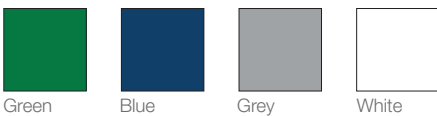
- Digital print onto the curtain
- Customer logos
- Insulated curtain
- Stainless steel frame
- Powder coated frame
- UPS battery backup
- Remote controls
- Radar sensors
- Induction loop detectors
- Pull switch with optional gallows
- Proximity sensors
- Key switch
- Digital keypad
- LED traffic lights
- Flashing warning light
- Heating kits to guides and motors

Colours Options

900gr/m²



Insulated Cloth 3mm



Standard Frame



Standards and Conformity

Mechanical Compliance	BS EN12604	
Resistance against Wind Pressure	DIN EN12424 - 44	Class 1
Air Permeability	EN12426 - 7	Class 2
Thermal Performance	EN12428	2.52W/m ² K
Resistance to Water Penetration	EN12425 - 489	Class 3
Compliant to European Standard	EN13241	

Robust doors with stainless steel and anodised aluminium guides for intensive use.

Supplied with CE marking and certified in accordance with the UNE EN 13241-1 standard, in compliance with all applicable safety requirements.

Mounting system prepared to avoid mistakes

- Guide system on frame patented in 1999
- Guide mounting on simple frame to facilitate installation
- Avoids confusion during the installation.

Forklift ramp

- Embedded forklift ramp system
- With specific accommodation for heating element to facilitate possible changes
- Extra hard finish and wear resistance.

Phosphorescent interior handle

- Phosphorescent interior handle base plate for installation safety
- Visible without light from the inside of the chamber
- Mandatory exit door indication, in accordance with applicable regulations.

Optional Extras

- Frame with chamber for air passage.
- Guide cover.
- Construction-work frame.
- Lock with C-37 key.
- Lock with C-38 key for automatic doors.
- Double 30 x 30 glass peephole.
- Support handle.
- Raised forklift ramp.
- Automation.

Features & Benefits

Frame

- Made of L-shaped extruded aluminium with double thermal break, treated 20-micron anodizing or white lacquer
- Those destined for freezing facilities are fitted with heating resistances
- Stainless steel finished doors are fitted with anodised aluminium frames
- Frames for panel rooms are supplied with white lacquered extruded aluminium casings that can be adapted to any panel thickness.

Closure system

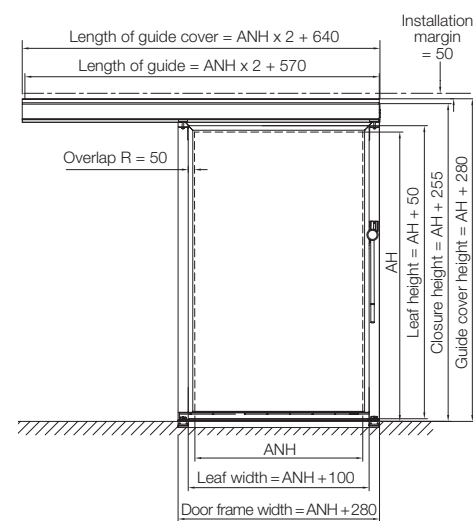
- Easy to open manually from both the interior and the exterior, stainless steel and extruded aluminium airtight closure with 45° drop
- Stainless steel and anodized aluminium interior and exterior handles designed and manufactured by Infrac
- Very simple installation and adjustment
- Stainless fastenings.

Leaves

- Superimposed on the frame, with inner frame according to thickness and framed in anodized aluminium
- Internal insulation injected polyurethane with 40-45 kg/m³ density
- Guaranteed airtightness by means of double, highly-flexible co-extruded EPDM draft seal
- Finished in lacquered steel (coloured strip), AISI 304/2B stainless steel, steel, PVC steel (Plastisol), fibre-glass reinforced polyester (FRP), or other finishes on demand.

Frame-casing system

- Basic mounting system for easy installation
- Frame and casing system for adaptation to any thickness
- Possibility to adapt the frame to construction work (solid wall)
- Very fast and simple installation system.



Front elevation

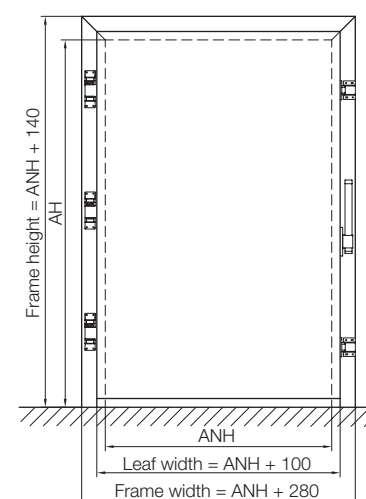


Vertical section

Suitable for cold rooms in which small, versatile and lighter doors are required.

High degree of insulation and energy efficiency under intensive use.

Available in a variety of finishes to meet all the client's needs.



Front elevation

Features & Benefits

Frame

- Made of L-shaped extruded aluminium with double thermal break, treated 20-micron anodizing or white lacquer
- All these doors are fitted with forklift ramps, unless flush-fitting frames are specified
- Those destined for freezing facilities are fitted with heating resistance
- Stainless steel finished doors are fitted with anodised aluminium frames
- Frames for panel rooms are supplied with white lacquered extruded aluminium casings that can be adapted to any panel thickness.

Metal fittings

- Grey composite material, single-lever aluminium closure, interior opening, vertical hinges (rising butt hinge for doors with forklift ramp).

Leaves

- Compact and superimposed on the frame, finished with anodized aluminium side mouldings
- 40-45 kg/m³ density injected polyurethane insulation
- Guaranteed airtightness by means of a highly-flexible, durable coextruded EPDM seal
- Finished in lacquered steel (coloured strip), AISI 304/2B stainless steel, steel, PVC steel (Plastisol), fibre-glass reinforced polyester (FRP), or other finishes on demand.

Optional Extras

- Lock with key, any other fittings available upon request
- For 50 x 50 doors or similar, chromed fittings, single-lever automatic closure and two vertical hinges
- Chamber for air passage
- Construction-work frame
- Panic bar
- Peephole 30 x 30
- Stainless steel protection
- Stainless steel lined frame
- G1021 lock with key
- Raised forklift ramp.

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Personnel Door

Industrial Inset Hing door suitable for cold rooms for preservation (+0°C), freezer (-20°C) and (-40°C) freezing tunnels.

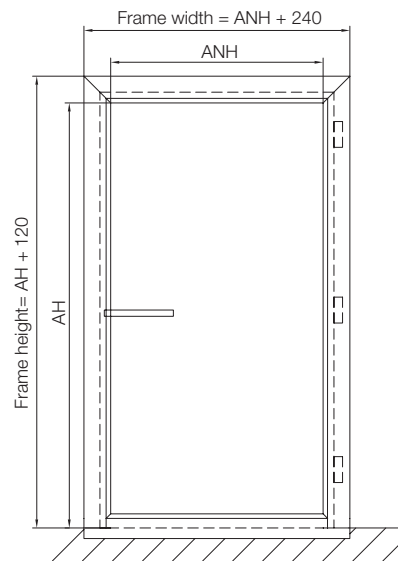
Suitable for installation in the meat, fishing, fruit and vegetable, dairy and logistics industries.

Suitable for large cavities or cavities with air passages serving as access for maintenance machinery.

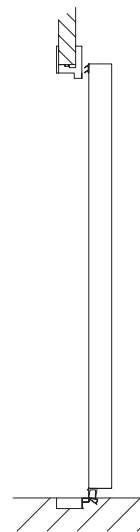
Robust, solid door suitable for heavy use.

Special draft seals to guarantee a high degree of insulation.

Quick and easy installation providing considerable time savings.



Front elevation



Vertical section

Features & Benefits

Frame

- Made of L-shaped extruded aluminium with double thermal break, treated 20-micron anodizing or white lacquer.
- All these doors are fitted with forklift ramps, unless flush-fitting frames are specified.
- Those destined for freezing facilities are fitted with heating resistances.
- Stainless steel finished doors are fitted with anodised aluminium frames.
- Frames for panel rooms are supplied with white lacquered extruded aluminium casings that can be adapted to any panel thickness.

Metal fittings

- Grey composite material, single-lever aluminium closure, interior opening, vertical hinges (rising butt hinge for doors with forklift ramp).

Leaves

- Compact and superimposed on the frame, finished with anodized aluminium side mouldings.
- 40-45 kg/m³ density injected polyurethane insulation.
- Guaranteed airtightness by means of a highly-flexible, durable coextruded EPDM seal.
- Finished in lacquered steel (coloured strip), AISI 304/2B stainless steel, steel, PVC steel (Plastisol), fibre-glass reinforced polyester (FRP), or other finishes on demand.

Optional Extras

- Optional pivoting double leaf.
- Lock with key.
- Chamber for air passage.
- Construction-work frame.
- Peephole 30 x 30.
- Stainless steel protection.
- G-24 lock with key.
- Raised forklift ramp.

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FREEZER

Fire Door

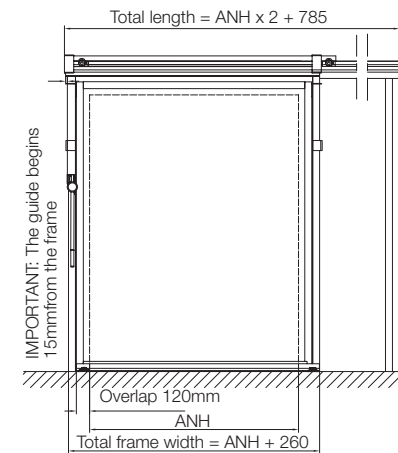
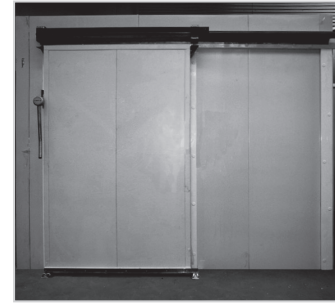
Cold room firewall door with certified fire resistance EI2 -60 Class B for + 0°C and -20°C cold rooms. Suitable for the closure of fire-risk sectors of differing temperatures.

Suitable for installation in any industrial sector: food and agriculture, logistics, car manufacturing, pharmaceutical,...

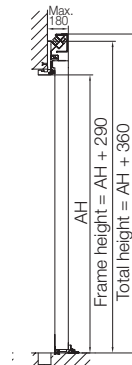
Class B certification, allowing for a wide range of dimensions.

Adapted for use in cold rooms. Stainless steel guide and fittings.

Includes automatic-closing fire system with accompanying safety features.



Front elevation



Vertical section

Features & Benefits

Frame

- A double-structure composite frame formed by the junction of the cold room door and the "RF" frame
- Cold room frame composed of an L-shaped extruded aluminium profile with double thermal break and housing for a heating element
- "RF" frame composed of lacquered steel tubing connected to the cool room frame.

Closure system

- Infracra guide and closure system, adapted for use at high temperatures
- Manual opening and closure, equipped with automatic door closure system as standard for the closure of the doors in the event of fire. The system operates by means of a standard alarm system signal which is activated by a push button (buttons not included).
- Special firewall labyrinth firewall for self-closing doors
- Specific firewall-door fastenings for attaching the leaf to the frame.

Leaves

- Single 120 mm thickness for both + 0°C and for -20°C (due to fire insulation requirements)
- Leaf core manufactured from composite containing gypsum board, rock wool and a board of a material with a high thermal insulation capacity (both at low and at high temperatures $\lambda = 0.01$ W/mK)
- Finished with white or stainless steel coloured strip
- Specific, highly-flexible draft seals to ensure airtightness at low temperatures.

Frame-casing system

- Basic mounting system for easy installation
- Frame and casing system for adaptation to any thickness
- Possibility to adapt the frame to construction work (solid wall)
- Very fast and simple installation system.

Forklift ramp

- Embedded forklift ramp system
- With specific accommodation for heating element to facilitate possible changes
- Extra hard finish and wear resistance

Mounting system prepared to avoid mistakes

- Guide system on frame patented in 199.
- Guide mounting on simple frame to facilitate installation
- Avoids confusion during the installation.

Phosphorescent interior handle

- Phosphorescent interior handle base plate for installation safety
- Visible without light from the inside of the chamber
- Mandatory exit door indication, in accordance with applicable regulations.

Optional Extras

- Stainless steel finish.
- Without door closers.

Standards and Conformity

Door certified. Obligatory CE marking since 2005

UNE-EN 13241-1

Standard

Sliding mobile strip door for preservation and freezing rooms. Widely used in the meat and fishing industries, as well as in supermarkets and small businesses.

It suitable for dividing different areas.

Anodized aluminium guide – quick and simple installation due to preinstalled mechanism.

Stainless steel attachment tube and staples, with individually detachable strips.

Significant energy savings through the avoidance of massive temperature losses.

Features & Benefits

Metal fixtures

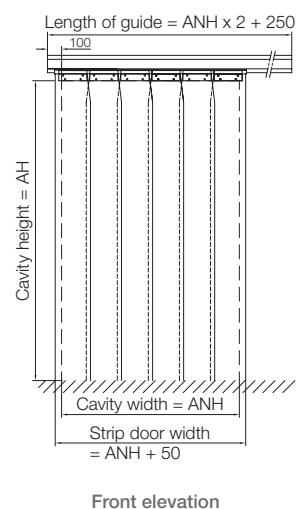
- 20-micron anodized aluminium guide and rail with high-resistance, durable PVC bearings
- 1.5mm thick AISI 304 2B stainless steel support tube and attachment staples (individually detachable)
- Stainless steel accessories and fasteners.

Strips

- Flexible, transparent-blue PVC suitable for low temperatures dimensions: 200 x 3 mm for preservation rooms and 200 x 5 mm for freezing rooms
- Individually changeable, 50-60 mm overlaid strips.

Optional Extras

- White lacquered, L-shaped extruded aluminium frame. Orders for panel rooms are supplied with interior casing, also white lacquered aluminium or construction work
- Special handle for the food and agricultural sector
- Opaque grey (not suitable for low temperatures)
- One- or two-way sliding door.



sara LBS is a turnkey provider of industrial doors, loading bays, lifts and accessories. The business can supply, install and maintain its full range of products, which aim to increase efficiency for industrial, cleanroom, food processing and logistics operations. With 30 years of experience in the industry, sara LBS is your one point of contact for efficient access solutions.



sara FREEZER DOORS



sara HIGH SPEED DOORS



sara INDUSTRIAL DOORS

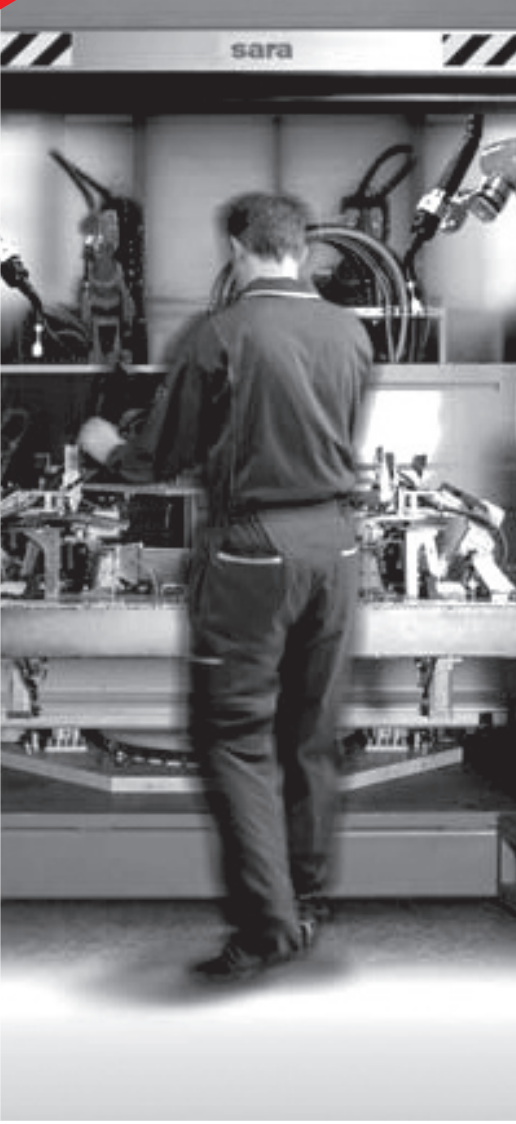


sara LOADING BAYS & ACCESSORIES



sara RAMPS

Repair and Maintenance



sara LBS has 30 years' experience of providing nationwide 24/7 repair and maintenance service cover with rapid emergency response times for all warehouse loading bay systems, dock shelters, dock levellers, high speed doors and industrial roller shutter doors.



Head Office
sara Loading Bay Specialists Ltd.
Mark Road
Hemel Hempstead
Hertfordshire
HP2 7DN

Tel: 01442 245577 (24 Hour Service)
Email: sales@saralbs.co.uk
www.saralbs.co.uk

Certifications

We are members of and active participants in a number of key organisations to enable us to stay abreast of and help shape the industry's standards and regulations

