

ulti group

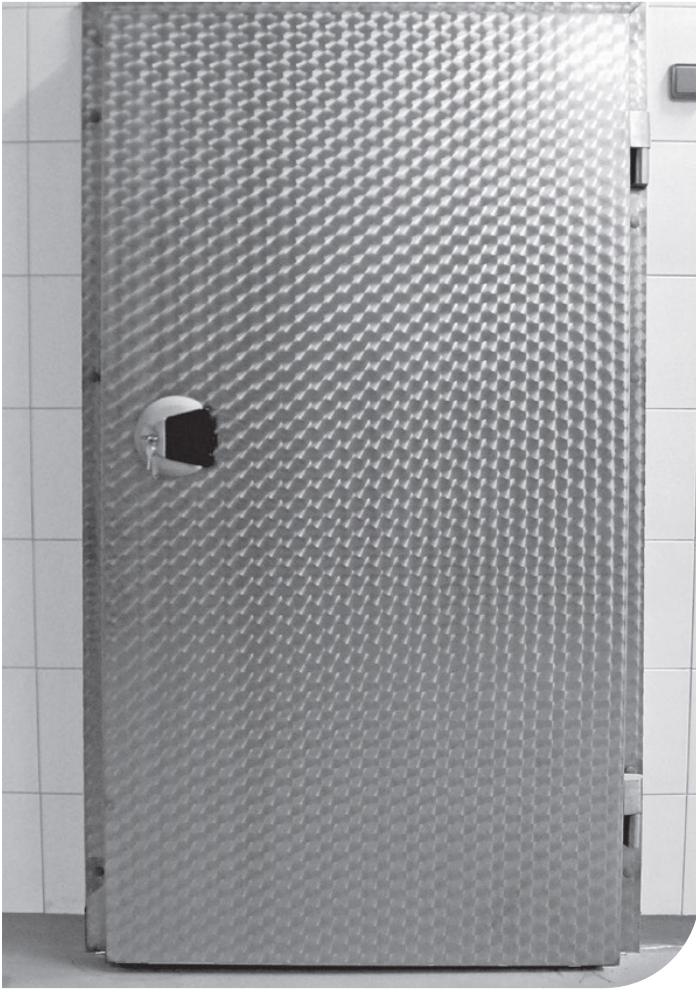
Chiller Doors

Product Brochure

ULTIGROUP.CO.NZ



Hinged Chiller Door



Chiller doors are designed for rooms with temperatures from 0 to 5°C. They can be produced from stainless steel, galvanized zinc coated steel, or painted. There is also the possibility to produce mixed material doors where the frame is made of stainless steel but the door leaf is painted or galvanized. There are multiple frame constructions for different wall types and installation conditions. Each door is individually designed to ensure durability and easy operation.

Door Leaf

Door leaf is made of 0.8mm stainless steel or 0.75mm zinc coated galvanized steel. A standard Chiller Door leaf is 60mm or 80mm thick (inside frame construction), however other sizes can also be produced according to requirements. Door leaves can be produced as on-frame, where the leaf sits on the frame, or half-frame construction, where some of the door leaf is within the frame. This construction requires less space on the installation side of the door.

Stainless steel door leaves are always 100% corner welded. All internal construction elements are also made from stainless steel, to ensure the highest quality and hygiene standards.

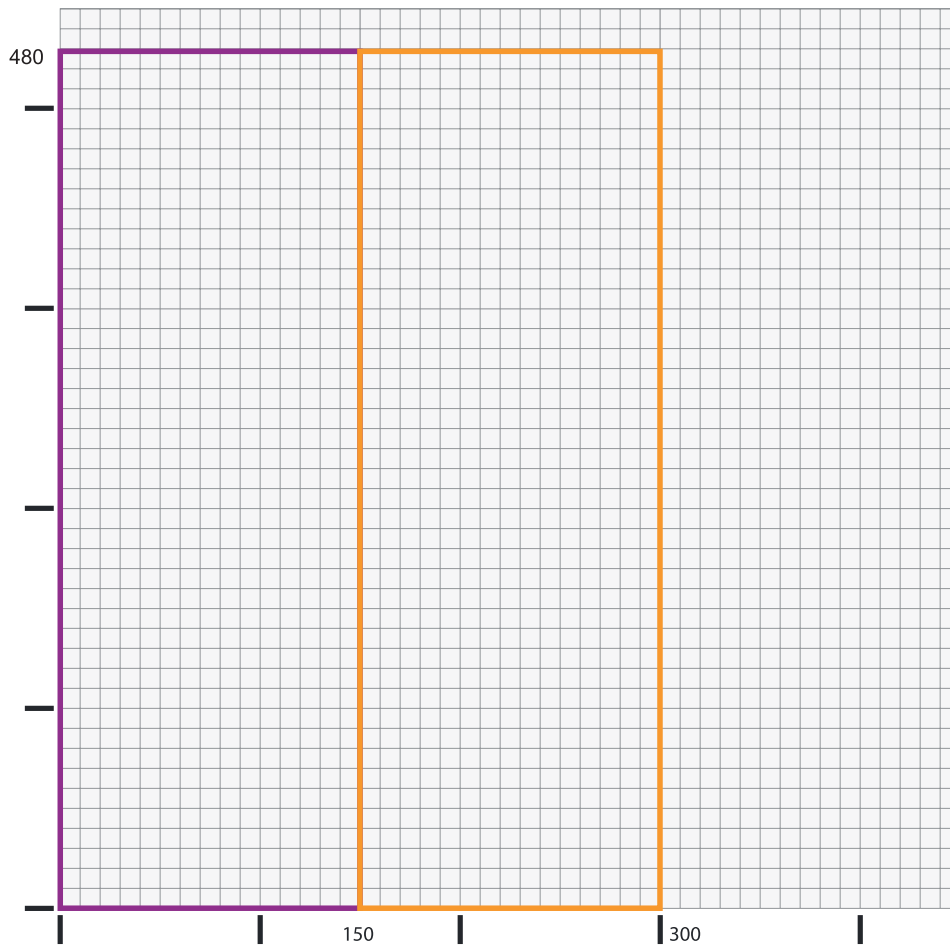
Sealing

Regardless of the door design, each unit has a two-component gasket placed in a special profile. This eliminates the thermal bridge of the door leaves.

Frames

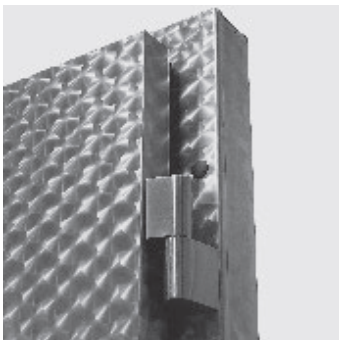
There are a number of frame options available to suit all walls and wall constructions in food processing plants. Each frame has special stainless steel straightening elements and is designed to withstand harsh work conditions. Our special, high strength angle frame is recommended or our more cost-effective solution – one side frame. For special door requirements, we also have block frames. Pressed polyurethane foam is used as a filling.

The maximum dimensions of the one and two leafed chiller hinged doors. We can make a larger door (with combined technology) on special request.



Hinges

Angular UP-DOWN stainless steel hinges with covers. Cat. No. 003



Angular UP-DOWN plastic hinges with steel inside. Cat. No. 004

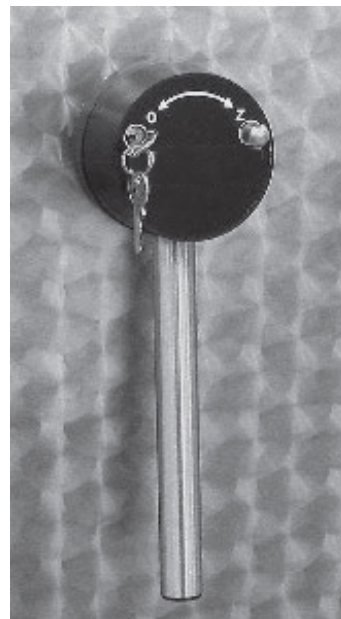


Latches

Simple safe lock Cat. no. AD 006



Strong construction latch for larger doors or double leafed doors Cat. no. AD 005

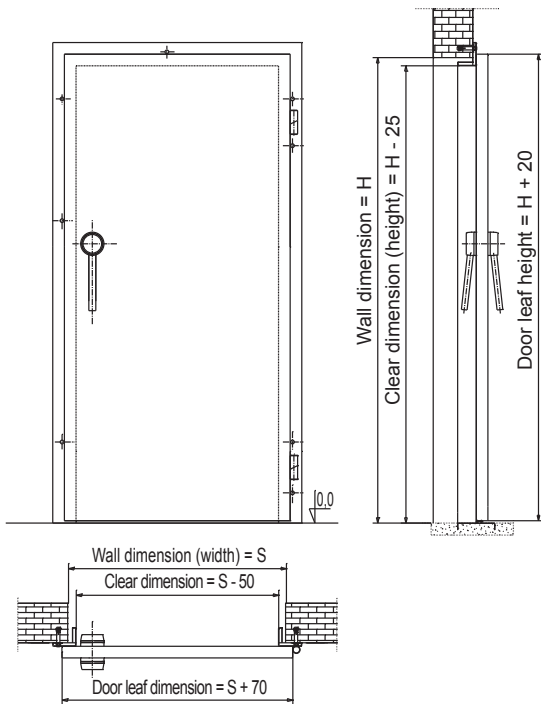


Optional Equipment

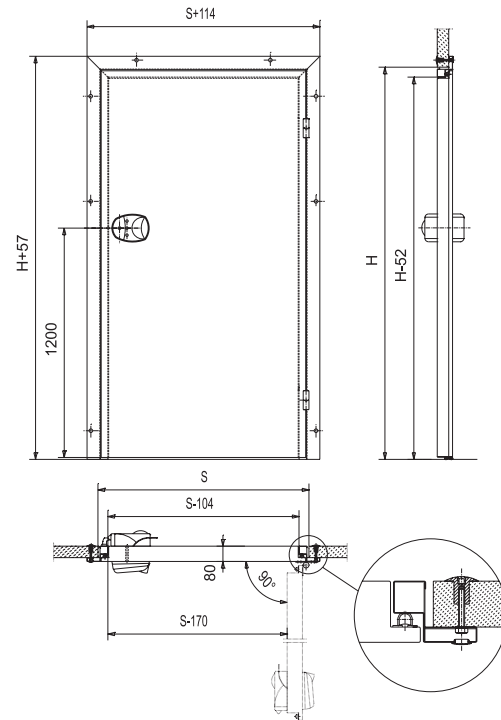
- glazings
- steel covers for door openings or covering frames
- plastic door bumpers
- stainless steel threshold
- special locks as per customer requirements

Assembly Dimensions

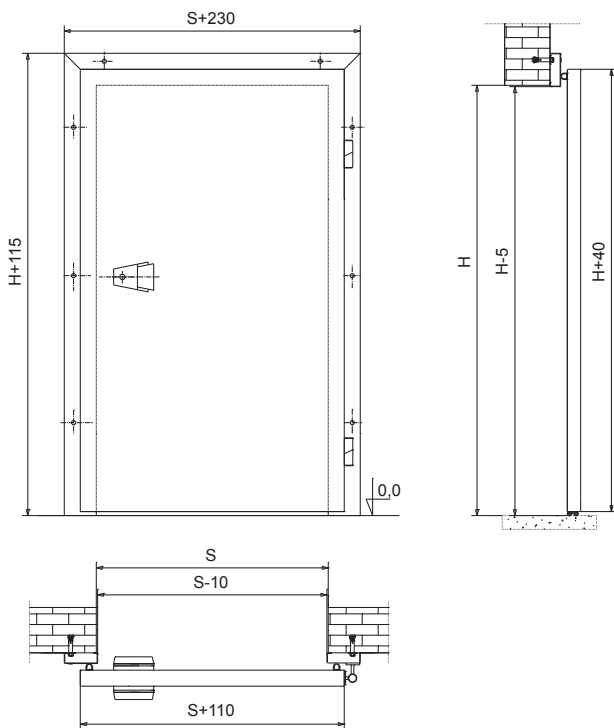
Hinged chiller door – angle frame



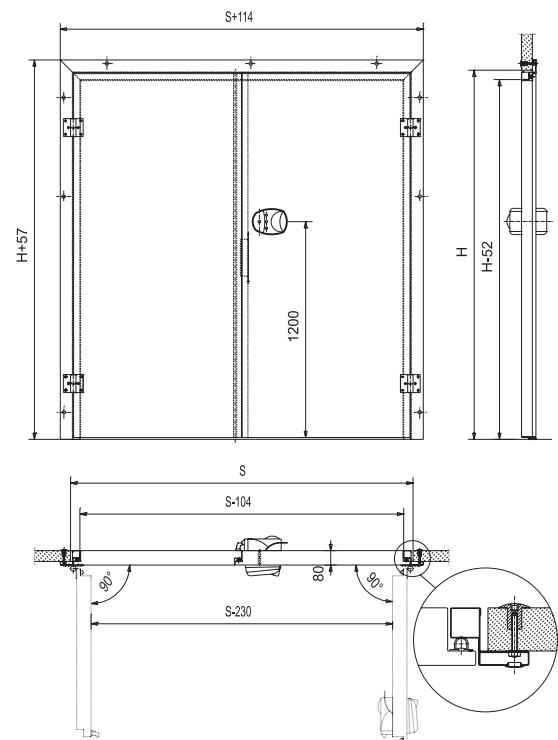
Hinged chiller single leaf door – inside frame construction



Hinged chiller door – one side frame

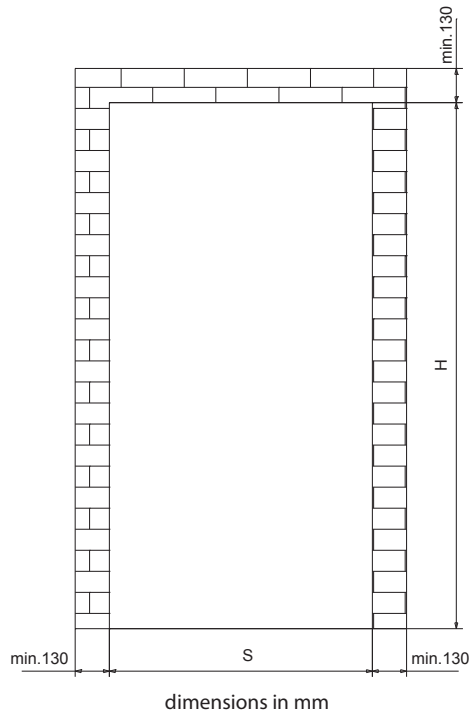


Hinged chiller double leaf door – inside frame construction



Assembly Space

Hinged chiller doors



Strip curtain - additional insulation for chiller rooms



	SINGLE LEAF DOOR		DOUBLE LEAF DOOR	
	ON FRAME CONSTR CHZ1/P	INSIDE FRAME CONSTR CHZ1/BP	ON FRAME CONSTR CHZ2/P	INSIDE FRAME CONSTR CHZ2/BP
Application	Cold Rooms	Cold Rooms in Narrow Corridors	Cold Rooms	Cold Rooms in Narrow Corridors
Leaf Thickness	60mm	80mm	60mm	80mm
MATERIAL				
Stainless Steel	*	*	*	*
Galvanized Painted/Powder Painted/Mix*	*	*	*	*
SURFACE VARIANTS				
Stainless Steel	V2A (1.4301), V4A (1.4401) Smooth, Circle Brushed, Line Brushed, Brushed			
Zinc Coated - Painted	Painted According To RAL Palette Colours			
Zinc Coated - Laminated	Special Foil Laminated Steel - Can Be In Different Colours And Structures			
Zinc Coated - Galvanized	As A Standard - RAL 9002, RAL 9010. Other Colours Under Request			
DOOR FRAMES (MORE INFO ON PAGE 85)				
AF - Angle Frames	S	S	S	S
OS - One Side Frames	*	-	*	-
BL - Block Frame Left	*	*	*	*
BR - Block Frame Right	*	*	*	*
3-S - Block Frame 3 Sides	*	*	*	*
INSTALLATION VARIANTS (MORE INFO ON PAGE 89)				
Full Brick Wall	*	*	*	*
Sandwich Panel	*	*	*	*
Hollow Brick	*	*	*	*
HINGES				
Stainless Steel With Cover	*	-	*	-
Steel With Plastic Cover	*	-	*	-
Stainless Steel With Visible Screws	*	S	*	S
LATCHES				
Latch With Stainless Steel Handle Without Lock	*	*	*	*
Latch With Stainless Steel Handle With Lock	*	*	*	*
Latch With Stainless Steel Handle With Safe Lock	*	*	*	*
Reverse Side Latch	*	*	*	*
Simple Latch (Safe Lock Configured)	*	*	-	-
ADDITIONAL EQUIPMENT				
Glazing	*	*	*	*
Door Opening Covers	*	*	*	*
Pe Door Leaf Bumpers	*	*	*	*
Bottom Stainless Steel Door Leaf Cover	*	*	*	*
Internal Front Reinforcement	*	*	*	*
Threshold	*	*	*	*

* Mix – stainless steel frame, door leaf painted. Stainless steel door leaf from internal side, painted or galvanized from external side.

** Angle frames can be made only from stainless steel. In case of galvanized steel doors we can use one side galvanized frames. Stainless steel frames can then be used as optional equipment.

Chiller Sliding Door



Sliding doors for cold rooms are designed for rooms with temperatures between 0 and 5°C. There are multiple frame and door leaf variants available, designed to suit different walls, opening sizes, space available, and client preferences. Each door is individually designed in order to ensure durability and longevity.

Door Leaf

Can be made of: stainless steel, zinc coated galvanized steel 0.8 mm or 0.75 mm. The thickness of the door panel is 60mm but can be different for special requests.

The door leaf can be made in 3 variants:

- Standard construction - hygienic panel - not connected
- For larger doors - hygienic panel - 2 or more pieces connected. Door panels are welded in the corners, all construction is to the highest hygiene standards and produced with great care.
- Large doors - sandwich panel in stainless steel frame

All construction elements inside the door leaf are also made from stainless steel which means that our product is produced from the best quality materials. The filling is also high quality polyurethane foam with a density of approximately 50kg/qm.

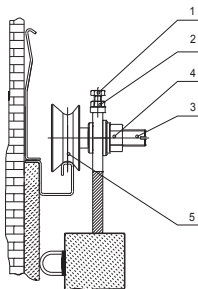
Sliding System 2 Options To Choose

Classical Sliding Rail – Standard system, refined over years of design, made entirely of stainless steel. The classical sliding rail's cover is manufactured in the same material as the door leaf. Polyethylene rollers are specially designed to ensure durability and quiet operation. When closing, the door drops down and tightens against the frame.

Pipe Sliding Rail – Constructed with aesthetic brushed stainless steel pipe and two large, special profile, black PE guide rollers. Due to the special profile of the rollers and the pipe, the door drops down and tightens against the frame as per the Classical Sliding Rail.

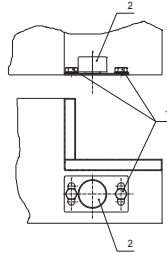
UPPER ROLLER

- Vertical regulation bolt
- Lock nut
- Roller bolt (horizontal regulation)
- Lock nut
- Roller



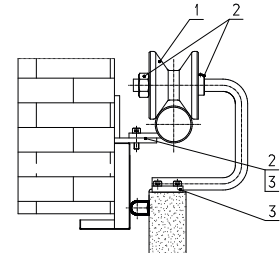
DOWN ROLLER

- Installation bolt
- Down roller of sliding system



UPPER ROLLER

- Roller
- Horizontal regulation
- Vertical regulation



Frames

We offer several frame types depending on the door installation conditions. Each frame is manufactured with special stainless steel construction elements to ensure rigidity and durability. As a standard, we recommend a corner welded corner frame. Optionally, it is possible to use a cheaper overlay frame or other variant depending on installation conditions.

	SINGLE LEAF DOOR		DOUBLE LEAF DOOR	
	ON FRAME CONSTR CHZ1/P	INSIDE FRAME CONSTR CHZ1/BP	ON FRAME CONSTR CHZ2/P	INSIDE FRAME CONSTR CHZ2/BP
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Bottom Stainless Steel Door Leaf Cover	*	*	*	*
Internal Front Reinforcement	*	*	*	*
Threshold	*	*	*	*

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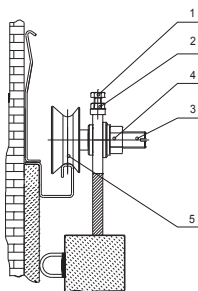
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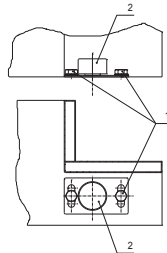
UPPER ROLLER

- Vertical regulation bolt
- Lock nut
- Roller bolt (horizontal regulation)
- Lock nut
- Roller



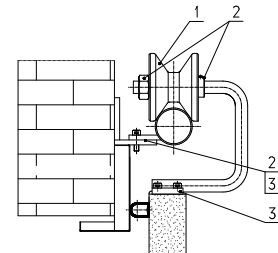
DOWN ROLLER

- Installation bolt
- Down roller of sliding system



UPPER ROLLER

- Roller
- Horizontal regulation
- Vertical regulation

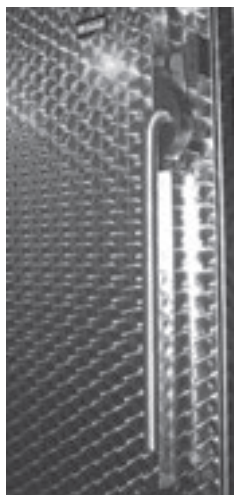


Frames

We offer several frame types depending on the door installation conditions. Each frame is manufactured with special stainless steel construction elements to ensure rigidity and durability. As a standard, we recommend a corner welded corner frame. Optionally, it is possible to use a cheaper overlay frame or other variant depending on installation conditions.

Standard Equipment

Integrated internal-external pusher



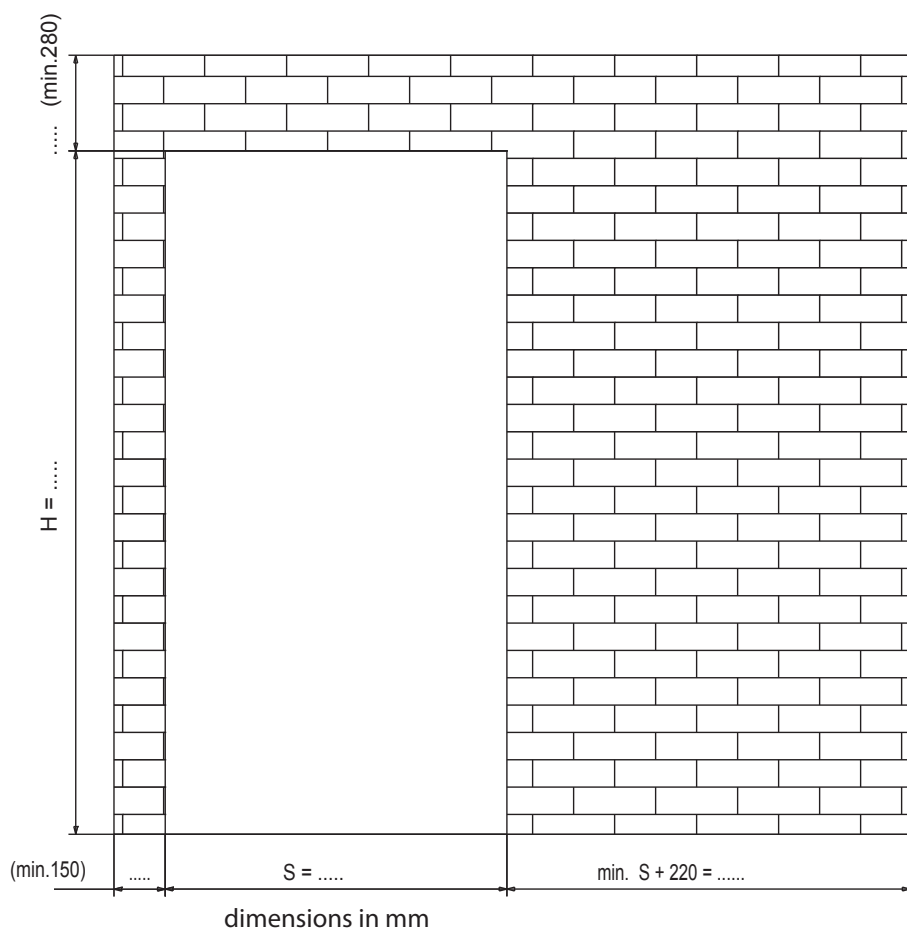
Handles: internal and external handle



Sealing

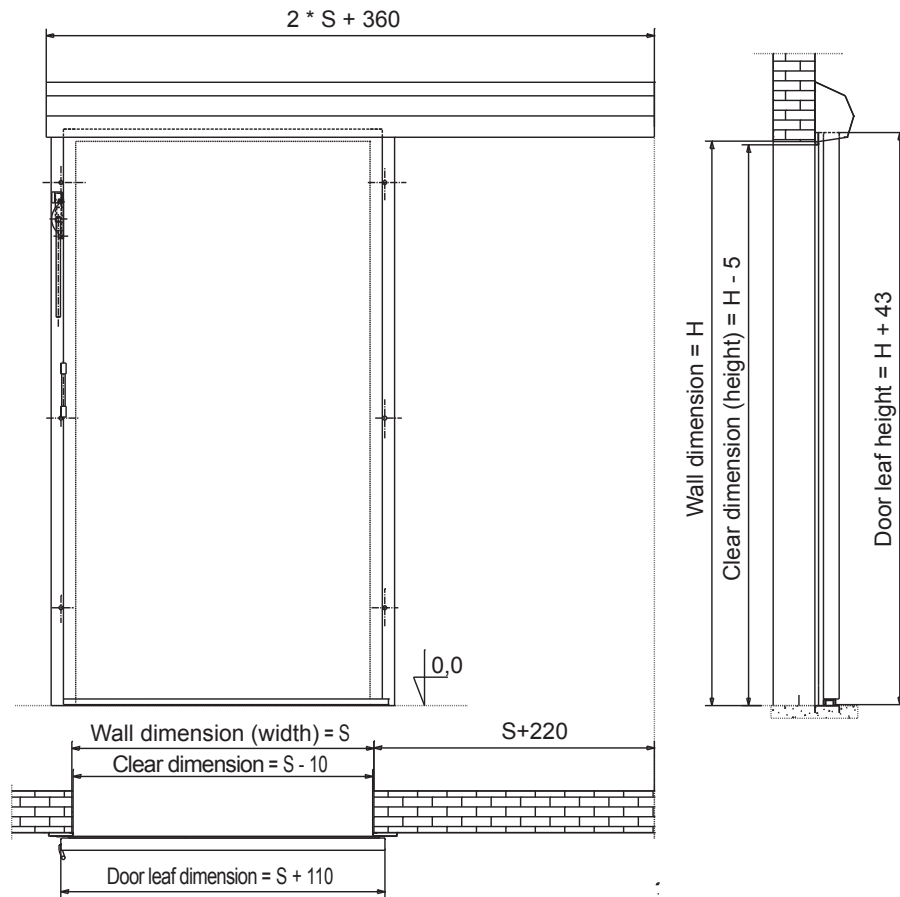
Two-component rubber seal in a special profile around the door leaf. This solution eliminates the thermal bridge. Bottom part of the gasket is hard to ensure a solid fit. Top part is soft, ensuring a good tightness and easy door operation. From the bottom of the door leaf there is a solid, durable full rubber gasket. The door can be equipped with a threshold to match the floor level.

Installation Space

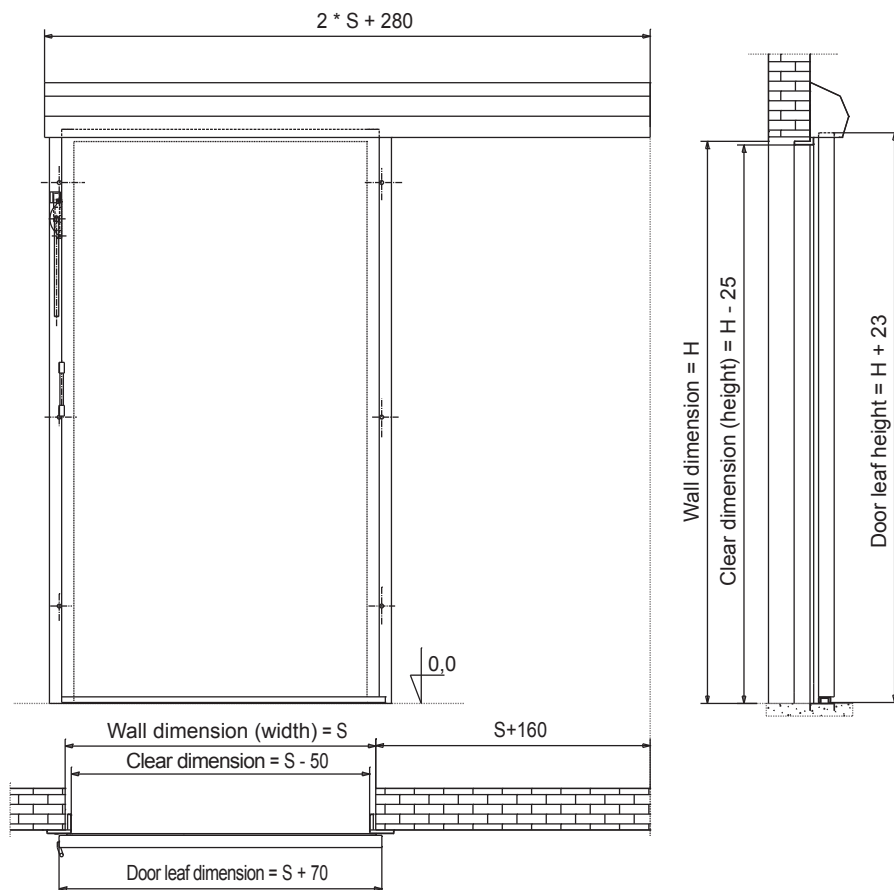


Installation Dimensions

Sliding chiller doors – classical sliding system, on frame.



Sliding chiller doors – classical sliding angle frame.



Market Plus+ Door



MARKET + doors are the specialist door products specifically for retail chains – stores, supermarkets, etc. They are used wherever it is necessary to save space. With the construction of non-rebated doors Market Plus save valuable centimeters in narrow corridors, which is of great importance in the design space. With higher standards than the ECO door line, they have proved to be the perfect solution for years, even in tougher conditions.

Door Leaf

Door leaf is made of zinc coated galvanized steel 0.75mm, covered with a durable polyester layer – thickness is 60mm or 80mm, standard color RAL 9010 – for special request, doors can be painted in RAL colour of your choice.

Seal

Two-component rubber seal in a special profile around the door leaf. This solution eliminates the thermal bridge. Bottom part of the gasket is hard to ensure a solid fit. Top part is soft, ensuring a good tightness and easy operation of the doors. From the bottom of the door leaf there is a solid, durable full rubber gasket. The door can be equipped with a threshold that is flush with the floor level.

Hinges

Angular UP-DOWN stainless steel hinges



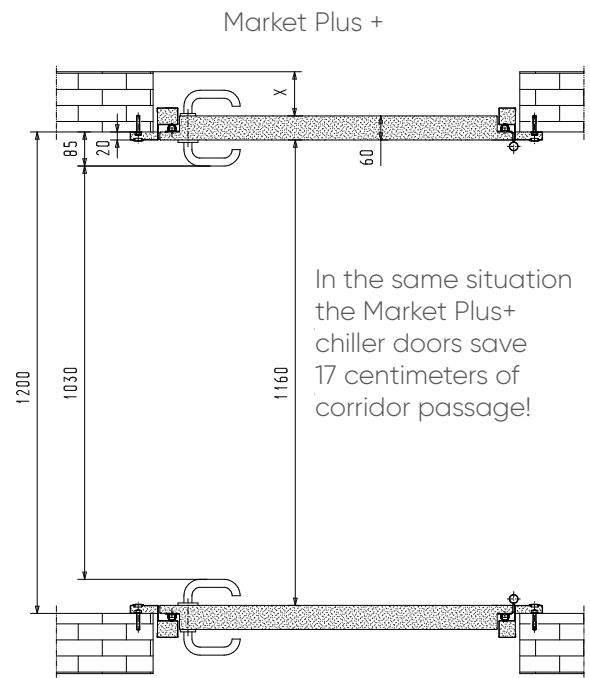
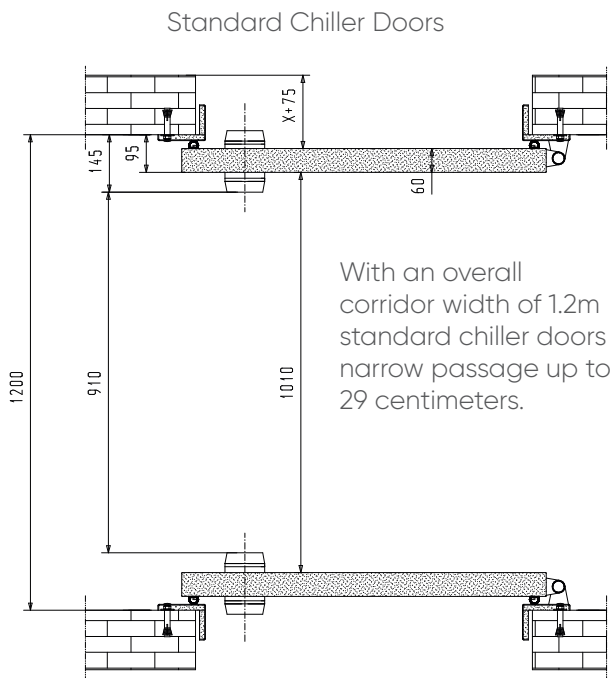
Locks

Stainless steel handle and lock in rectangular rosette as a standard. Optionally, other types of door handles, antipanic locks, roller locks, electric lock and other solutions can be tailored to your needs.



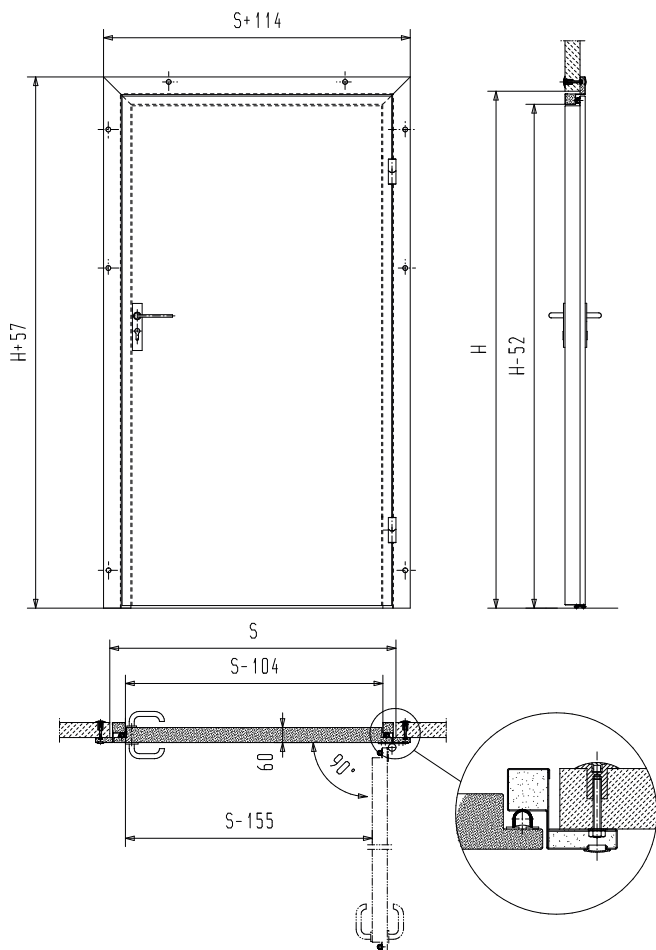
Installation Space

Savings as a result of using the uniquely designed, non-rebated Market Plus+ doors is shown in the example below.



Assembly Dimensions

Market Plus+ chiller single leaf door





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