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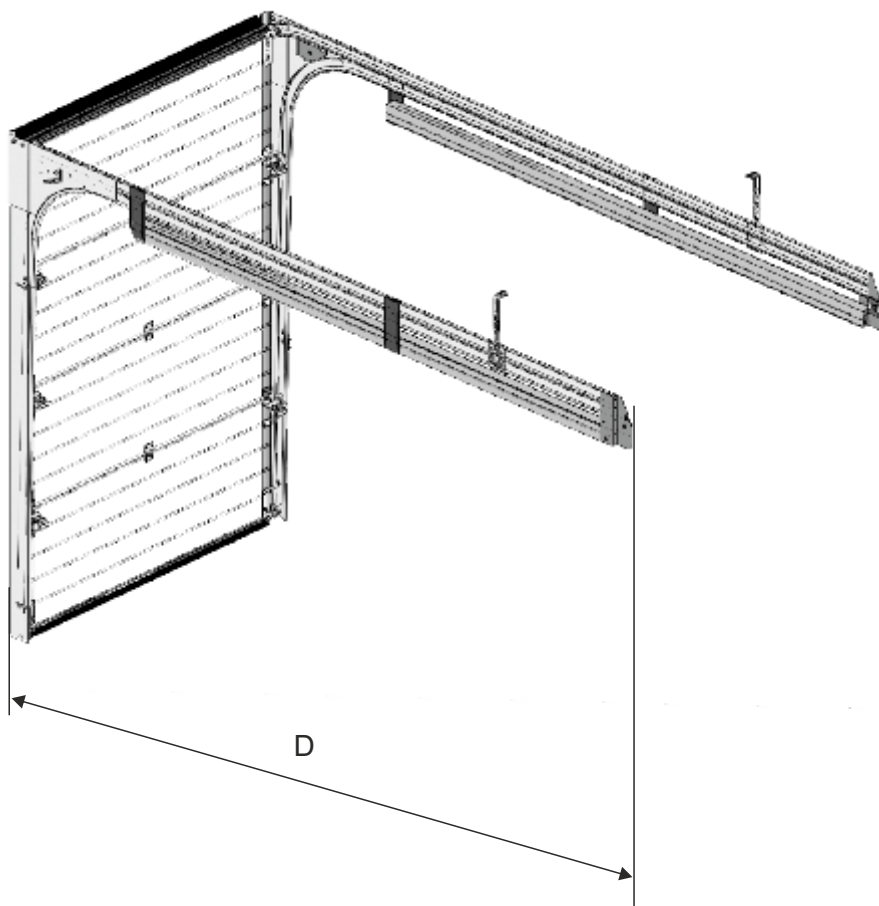
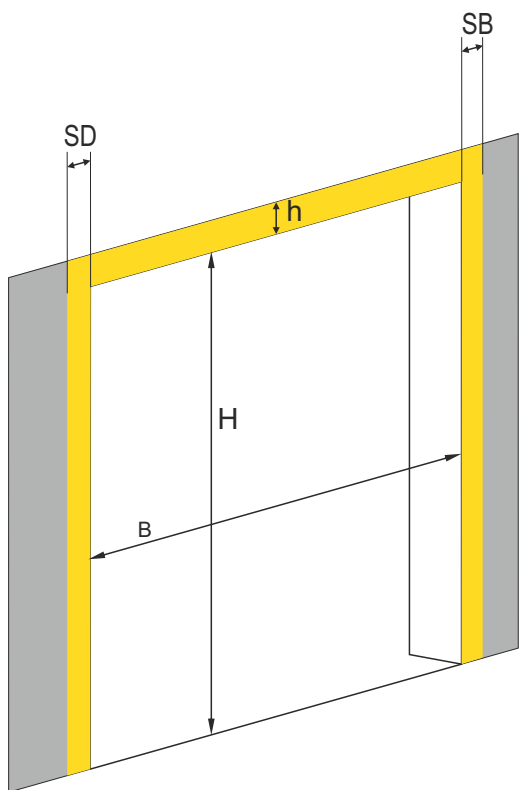
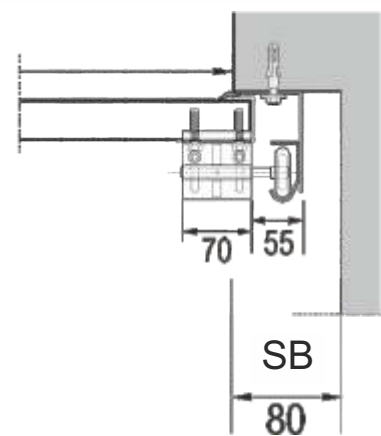
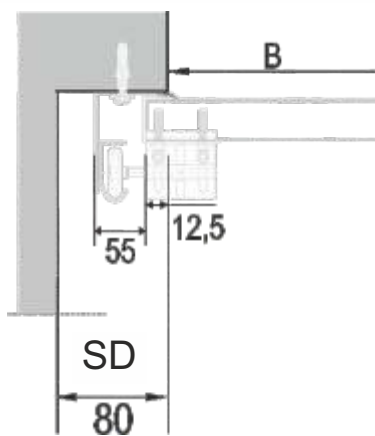
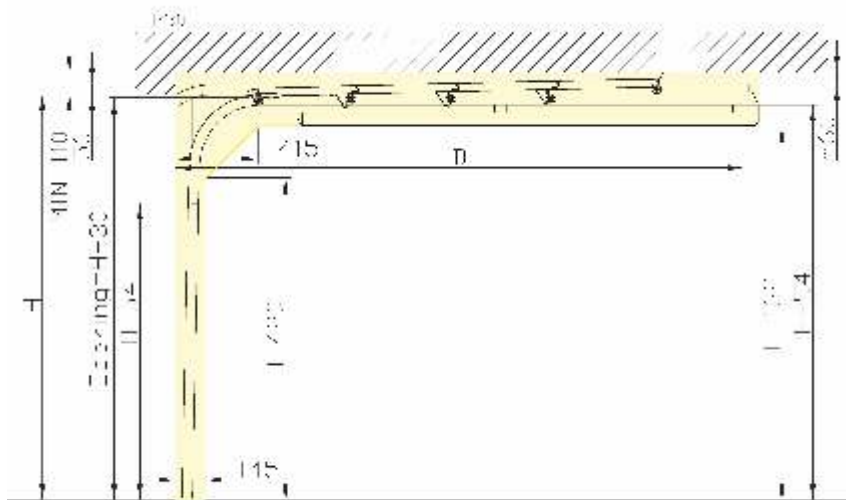
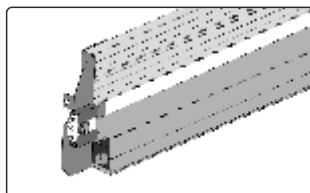
TRACKS



R30

h	110 mm 150 mm with operator
SD / SB	UM - 80 mm

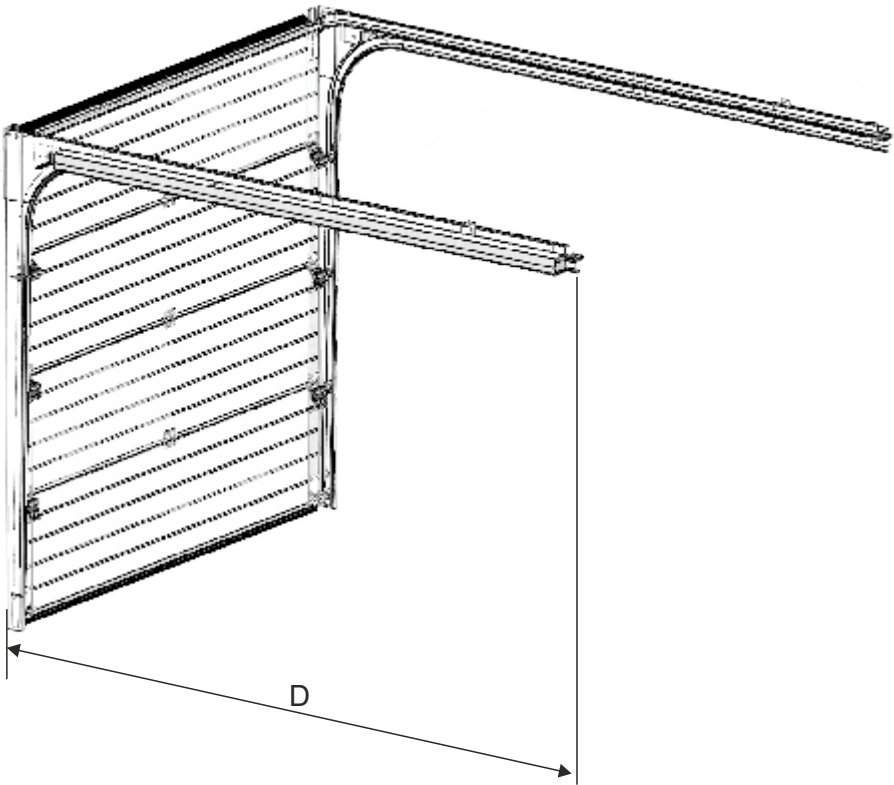
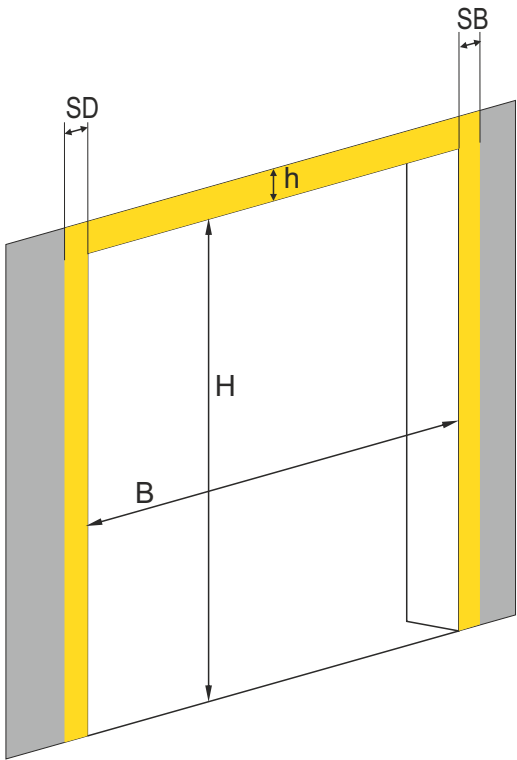
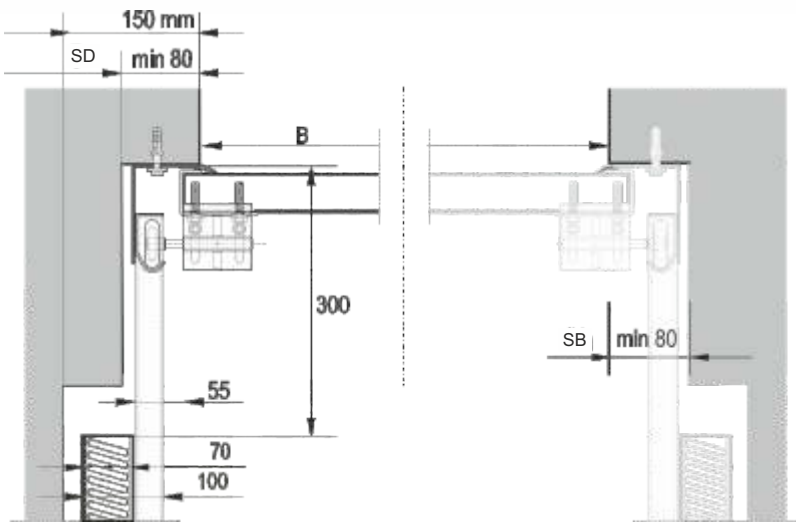
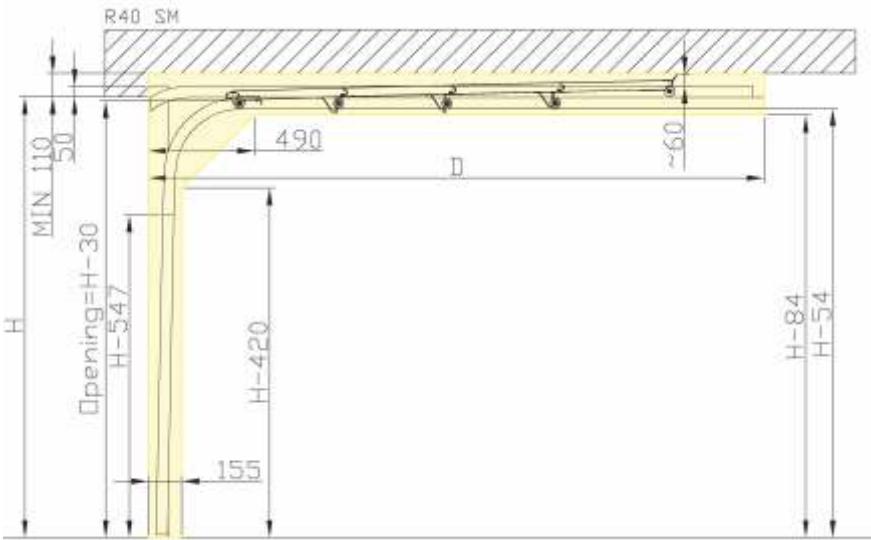
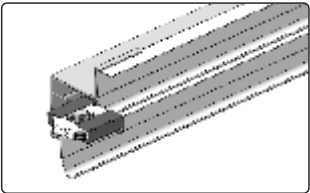
R40-UM	
H	D
≤ 2125	2880
2126 - 2250	3007
2251 - 2500	3261



R40 - SM

h	110 mm 150 mm with operator
SD / SB	SM - 150 mm

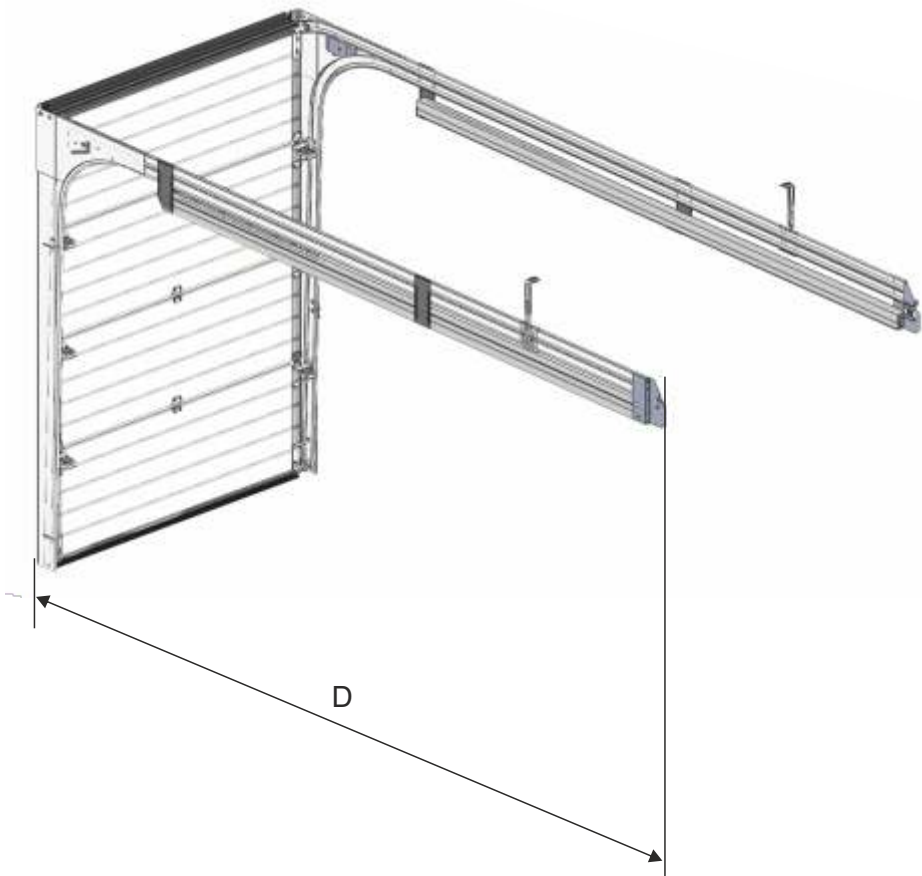
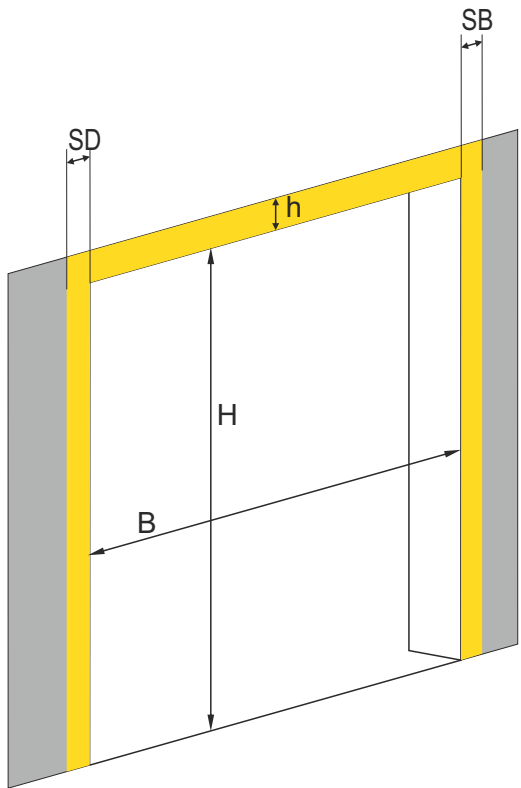
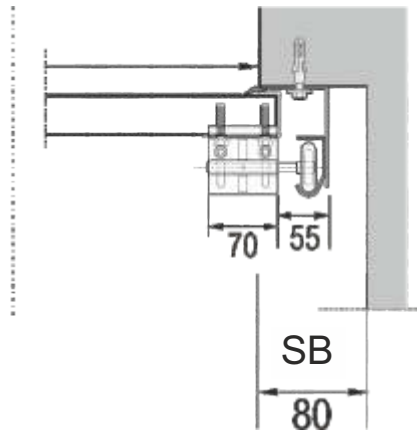
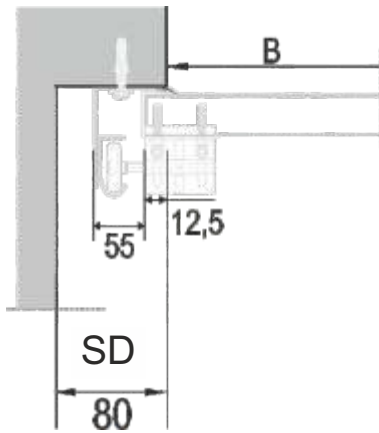
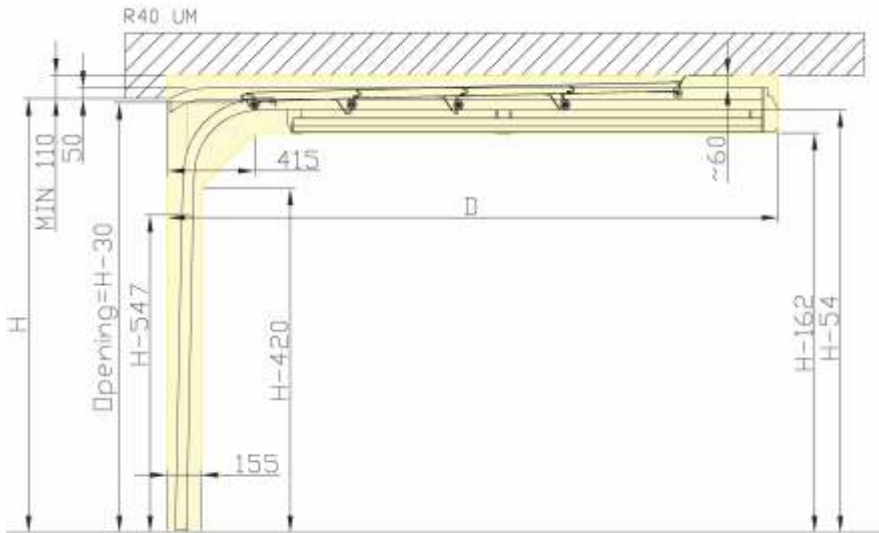
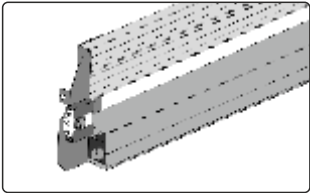
R40-SM	
H	D
≤ 2125	2920
2126 - 2250	3047
2251 - 2500	3301



R40 - UM

h	110 mm 150 mm with operator
SD / SB	UM - 80 mm

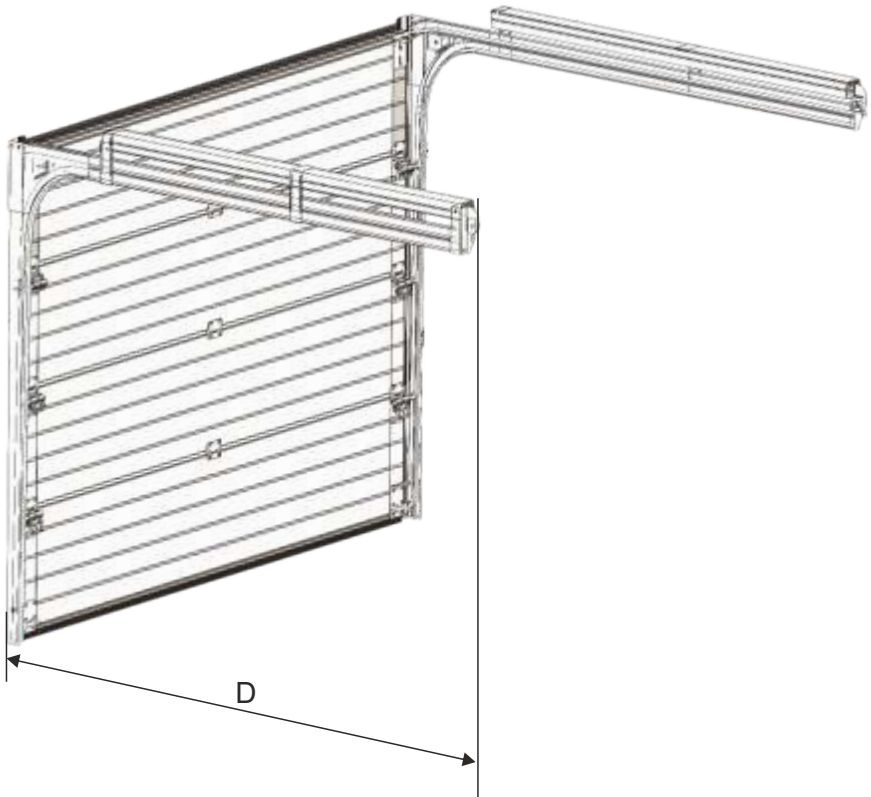
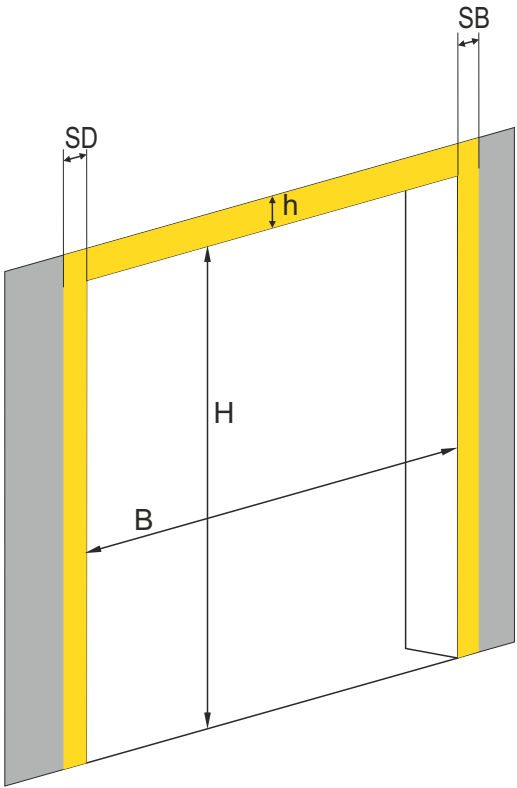
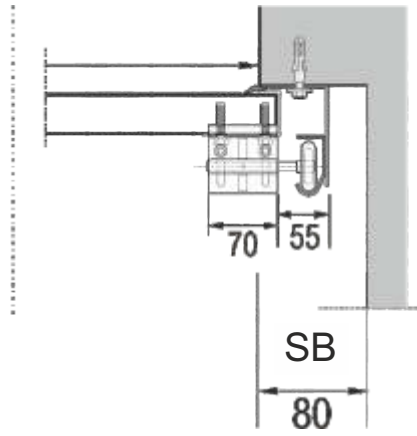
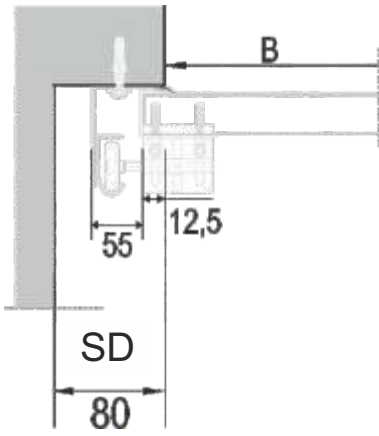
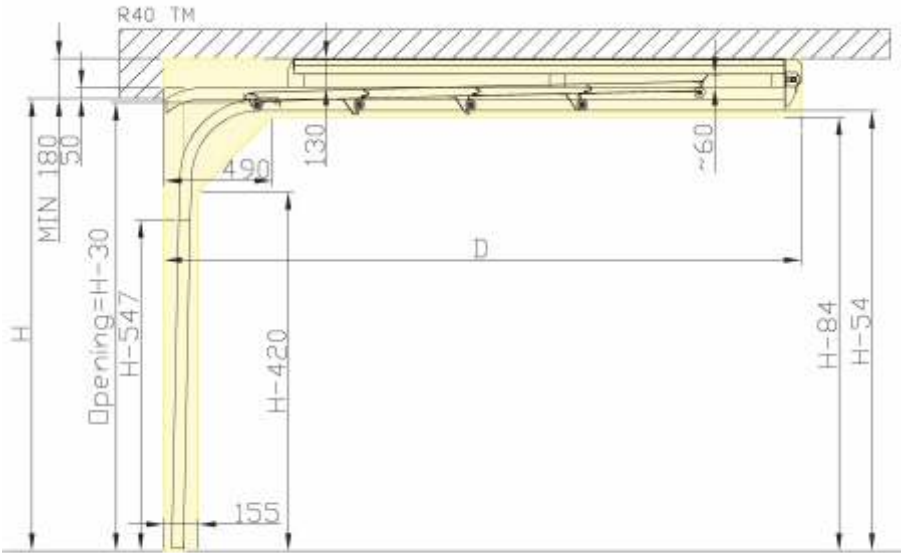
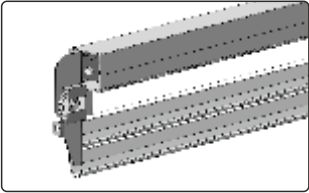
R40-UM	
H	D
≤ 2125	2880
2126 - 2250	3007
2251 - 2500	3261



R40 - TM

h	180 mm with operator
SD / SB	TM - 80 mm

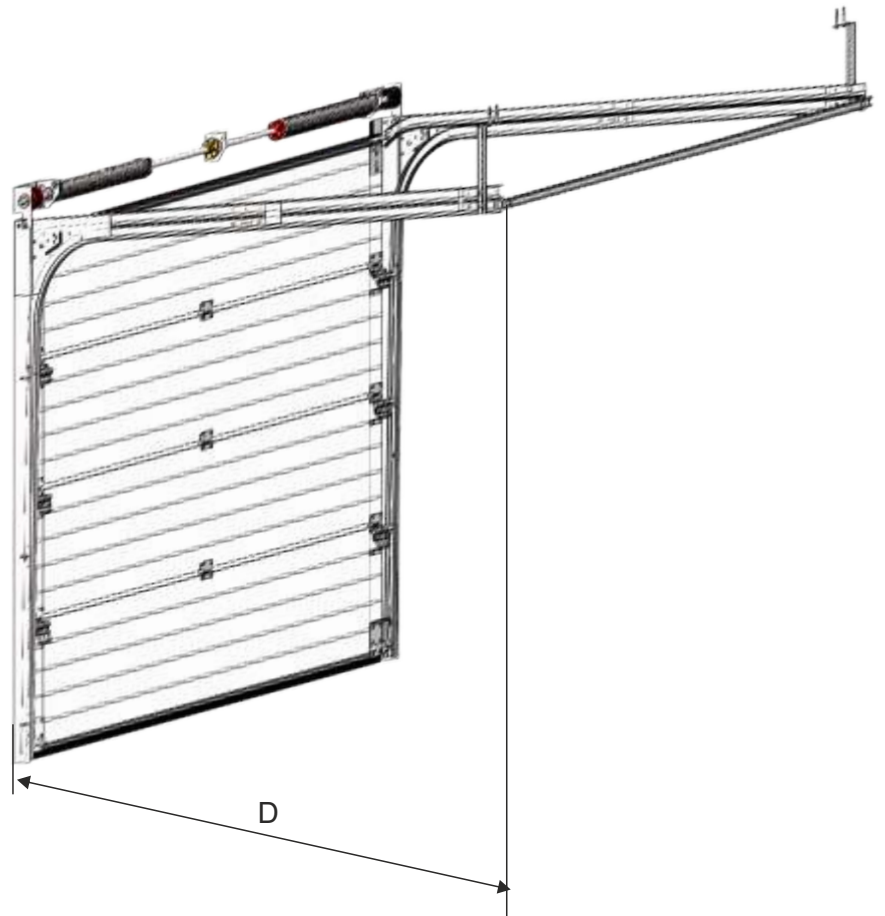
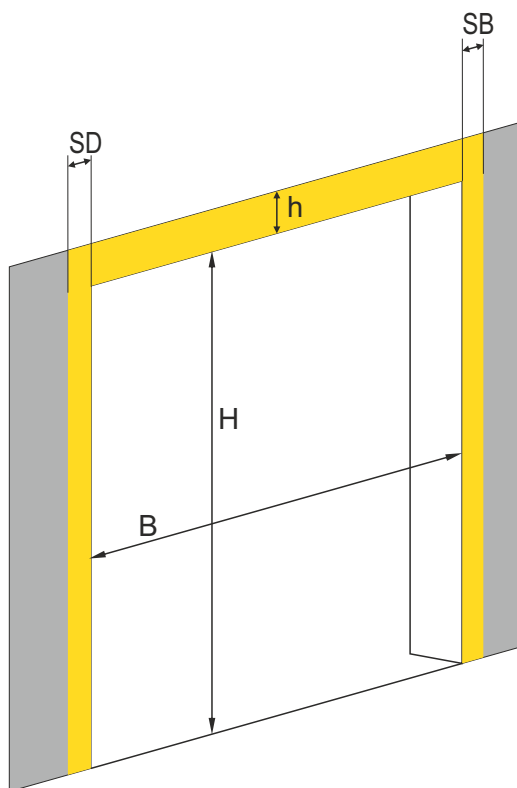
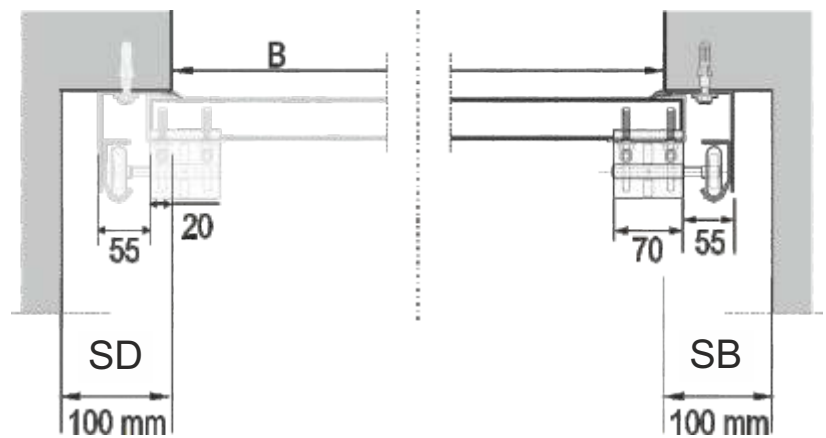
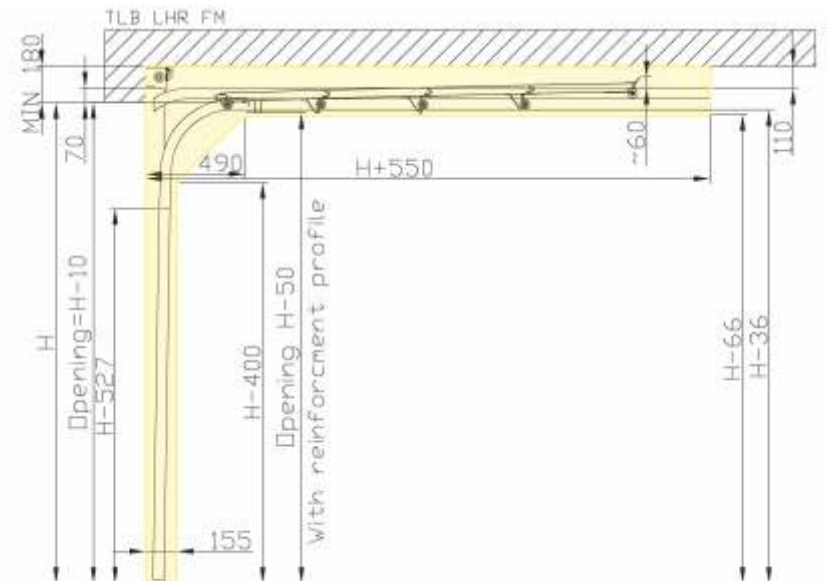
R40-TM	
H	D
≤ 2125	2880
2126 - 2250	3007
2251 - 2500	3261



TL LHR-FM

h	180 mm with operator
SD / SB	100 mm
Opening	H - 130 mm H - 10 mm with operator
D	H + 550 mm

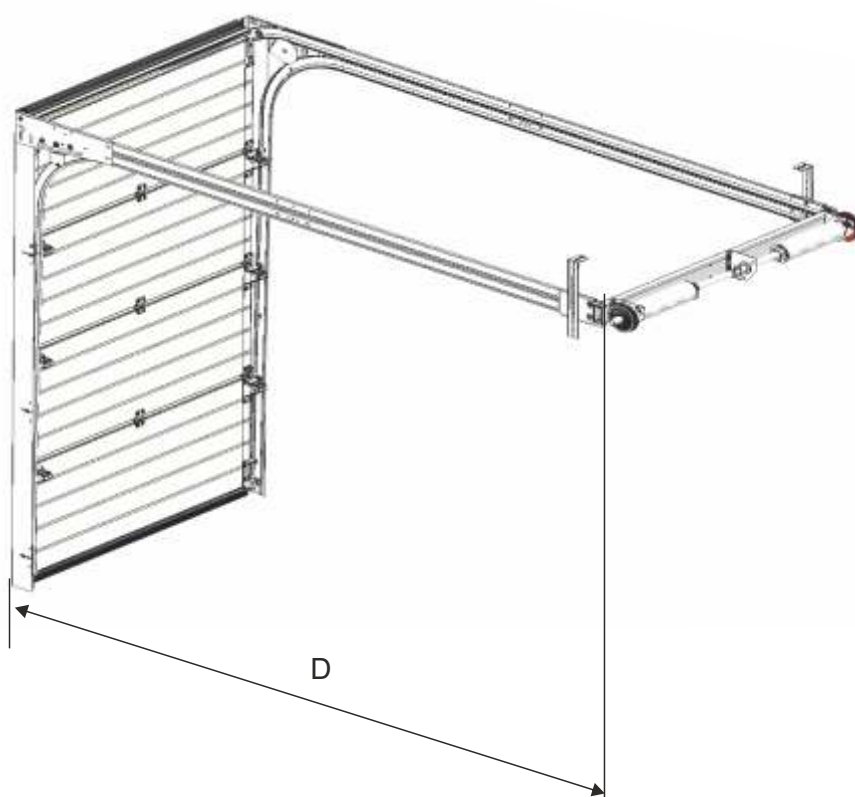
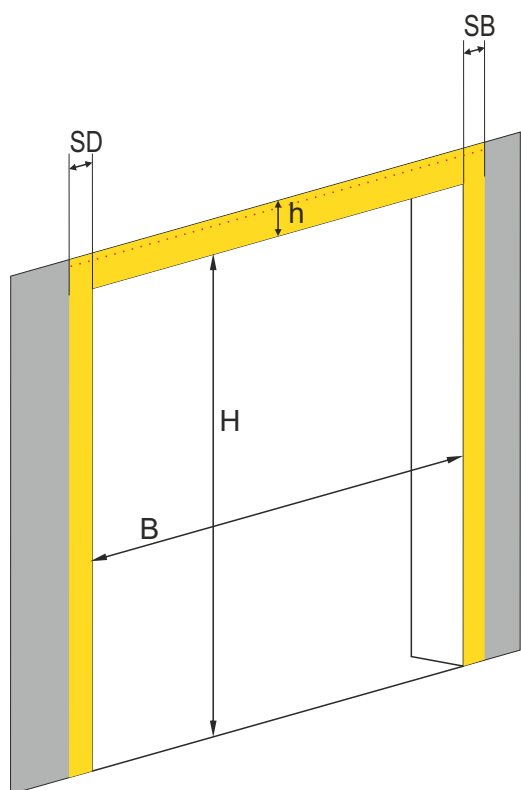
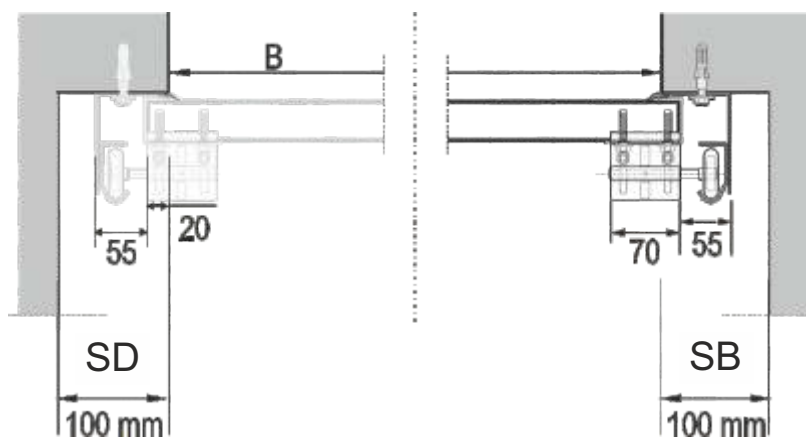
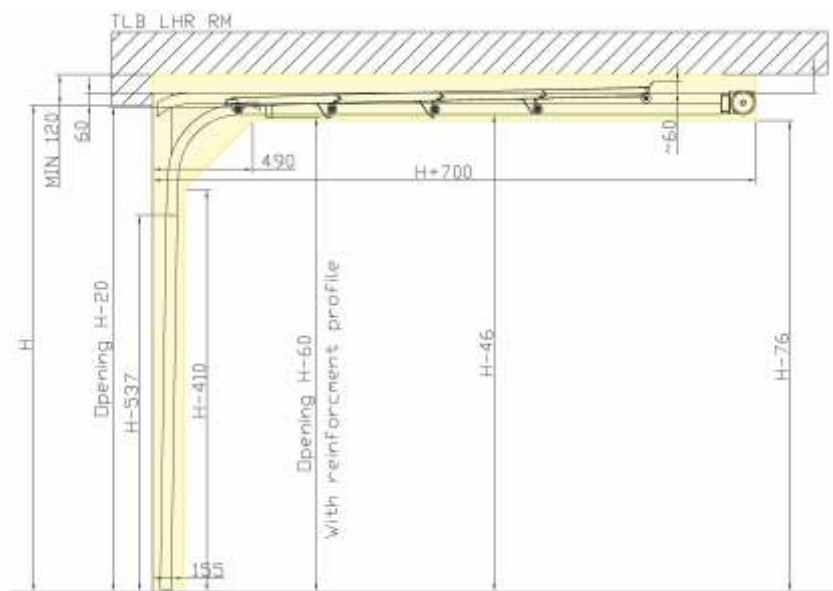
Number of required suspensions	
B ≤ 3000	1 suspension per side
B > 3000	2 suspensions per side



TL LHR-RM

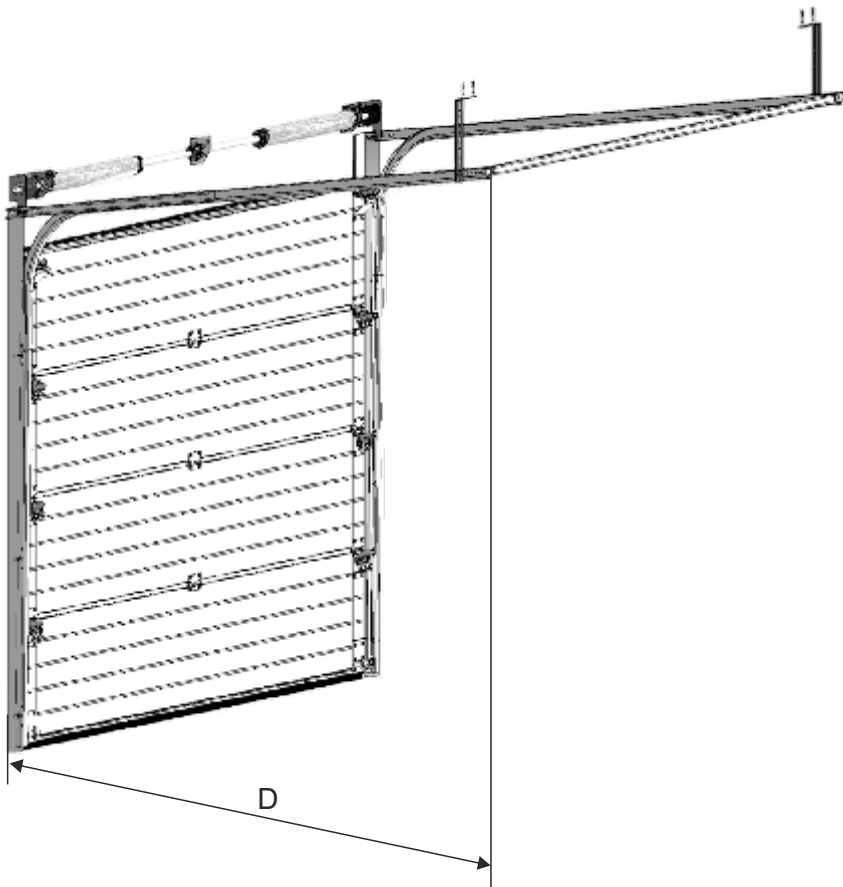
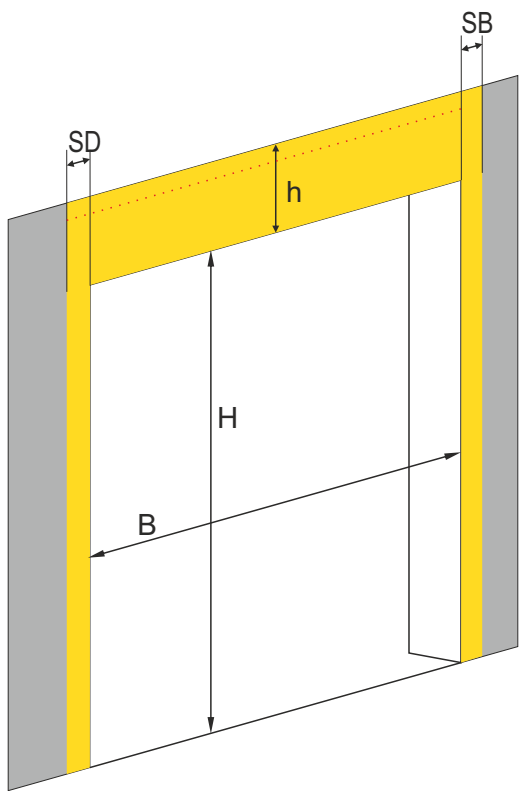
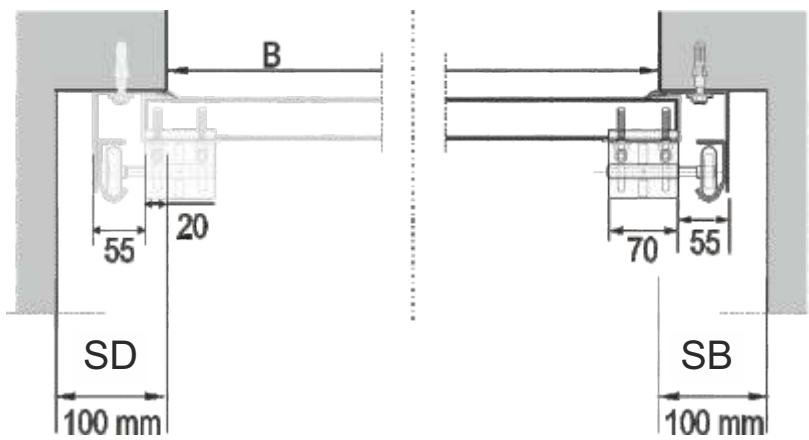
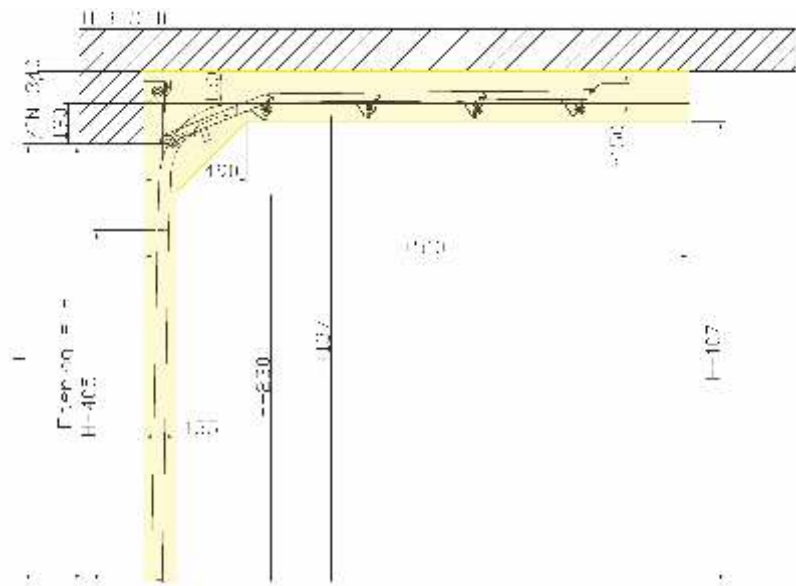
h	120 mm 150 mm with operator
SD / SB	100 mm
Opening	H - 160 mm H - 20 mm with operator
D	H + 700 mm H + 1000 mm with operator

Number of required suspensions	
$B \leq 3000$	1 suspension per side
$B > 3000$	2 suspensions per side

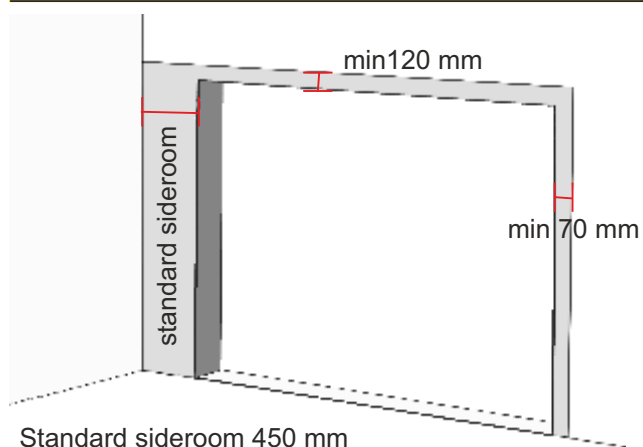


h	340 mm 370 mm with operator
SD / SB	100 mm
Opening	H
D	H + 510 mm

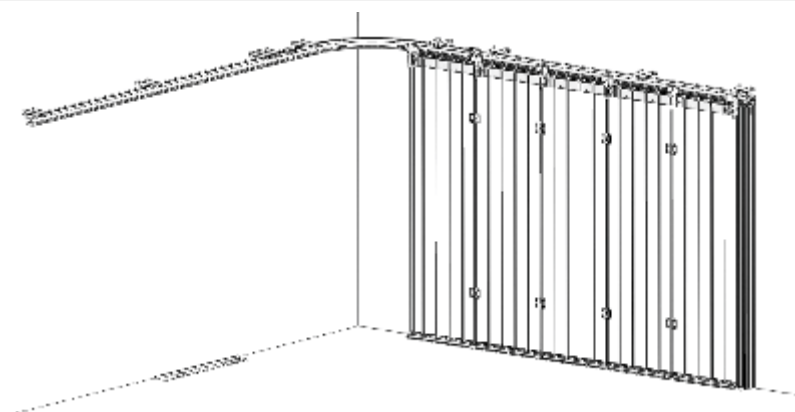
Number of required suspensions	
B ≤ 3000	1 suspension per side
B > 3000	2 suspensions per side



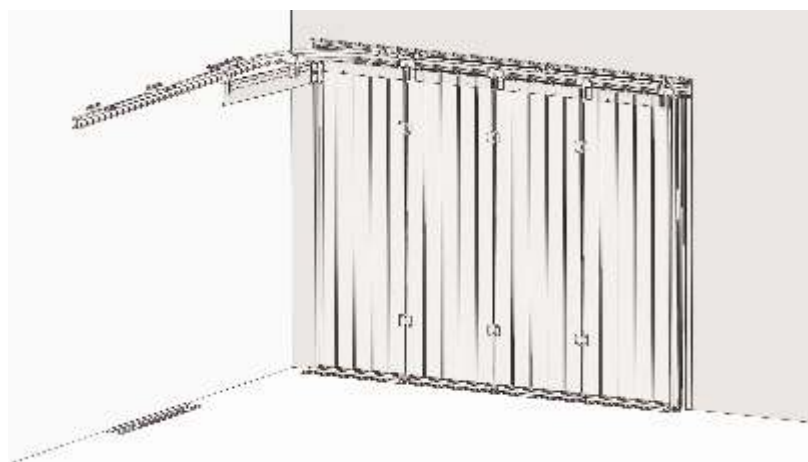
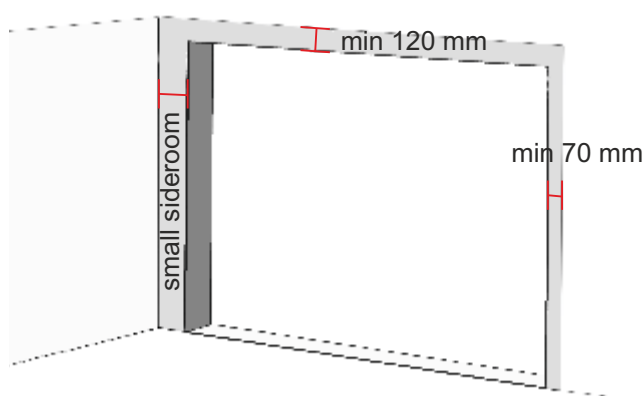
STANDARD SIDEROOM



Standard sideroom 450 mm



SMALL SIDEROOM



Small sideroom arm

Sideroom 150-250 mm R520+ARM L=1000

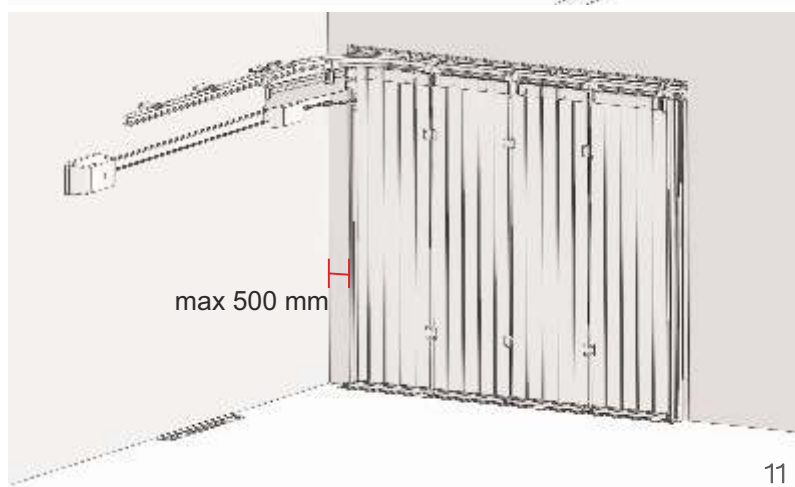
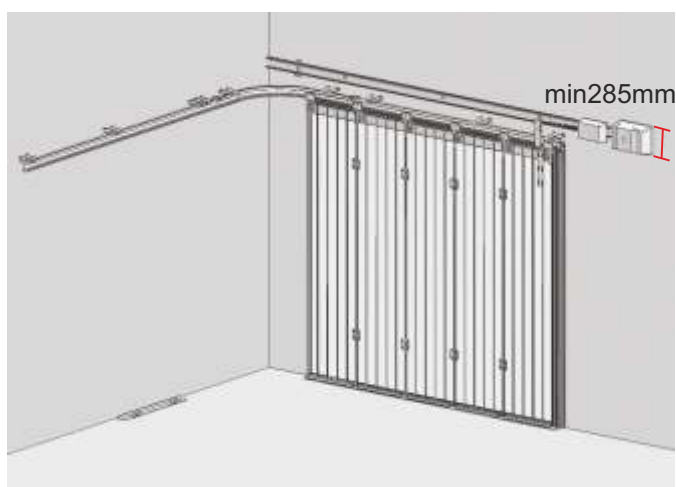
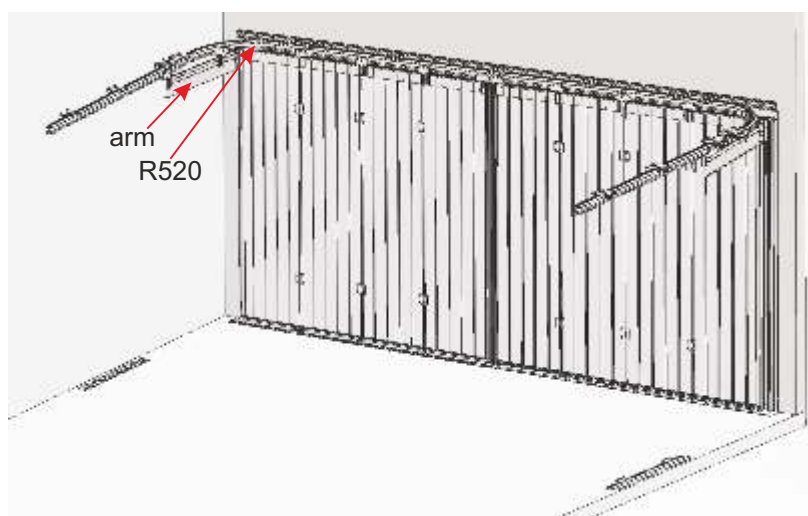
Sideroom 200-300 mm R520+ARM L=600

Sideroom 300-450 mm R520+ARM L=400

Lock premium

Handle premium

Double SSD doors





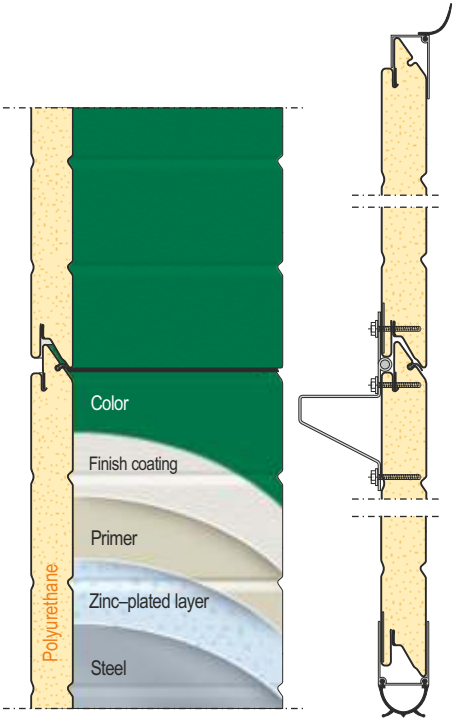
PANELS

PANEL TYPES

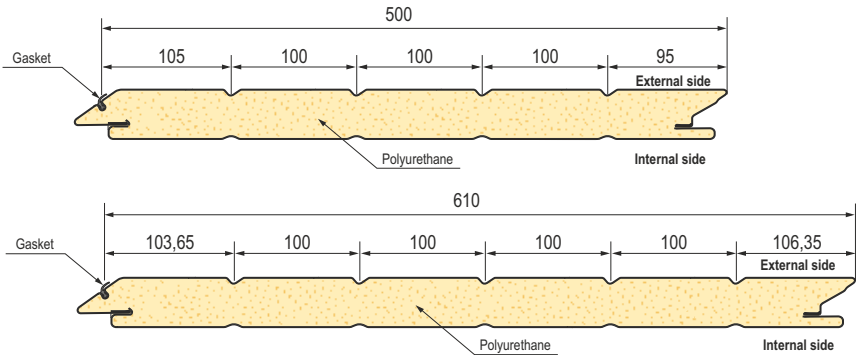
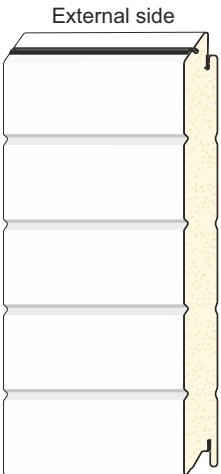
Panel type	S (mm)	K		Λ	Panel weight		Tolerances			U value
		$\frac{\text{Kcal}}{\text{m}^2\text{hK}}$	$\frac{\text{Watt}}{\text{m}^2\text{K}}$		Kg/m	Kg/m ²	Thickness	Width	Length	
R-500	40	0,43	0,50	0,017	5,6	11,2	+/- 2	+/- 1	+/- 5	0,52
R-610					6,8	11,2				

Section type	U value (W/m ² K)	Wind class	Water penetration class	Air premability class
Sandwich	1 - 1,6	5	3	2

All panels
Internal side - ribbed
RAL 9002

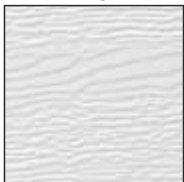


RIB



PANEL SURFACES

woodgrain



stucco



PANEL COLOURS



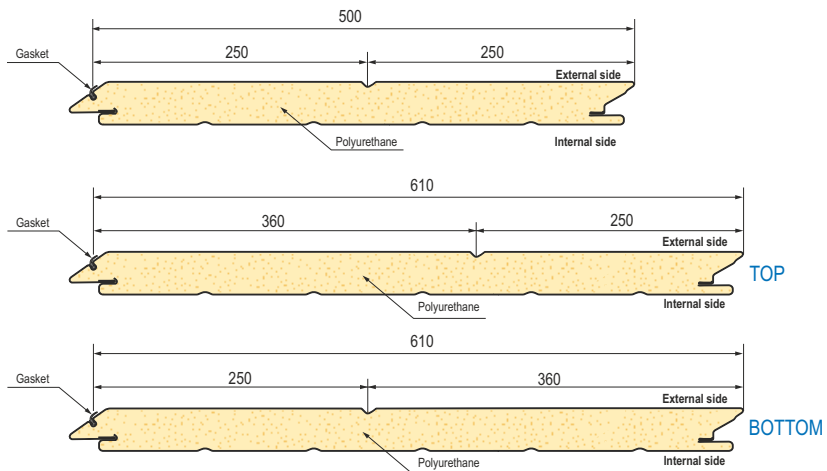
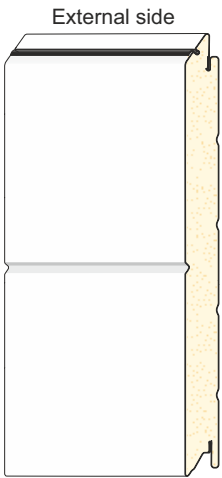
painted RAL colours

STANDARD COLOURS

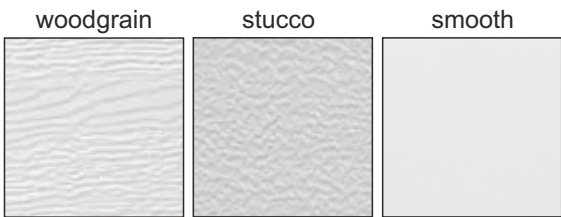
RAL 9016,
RAL 8017,
Golden Oak (L; C),
Old Oak,
Dark Oak,
Mahogany,
Walnut (C).

PANEL TYPES

MIDRIB



PANEL SURFACES



PANEL COLOURS

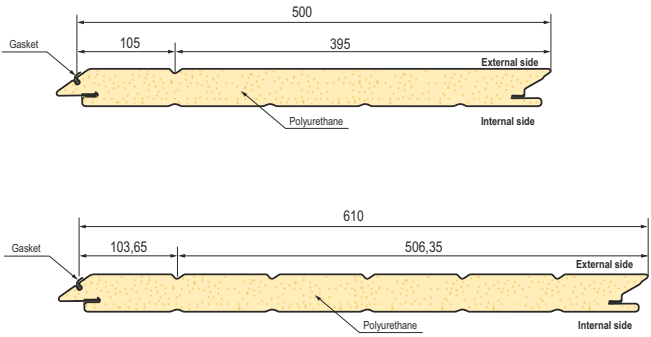
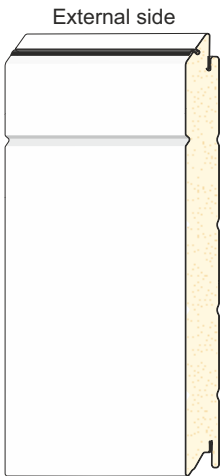
STANDARD COLOURS



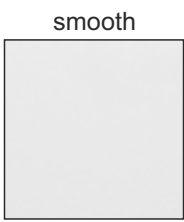
RAL 9016
RAL 8017
RAL 6009
RAL 7016
Golden Oak (L; C)
Old Oak
Light Oak
Walnut (C)



TOPRIB



PANEL SURFACES



PANEL COLOURS

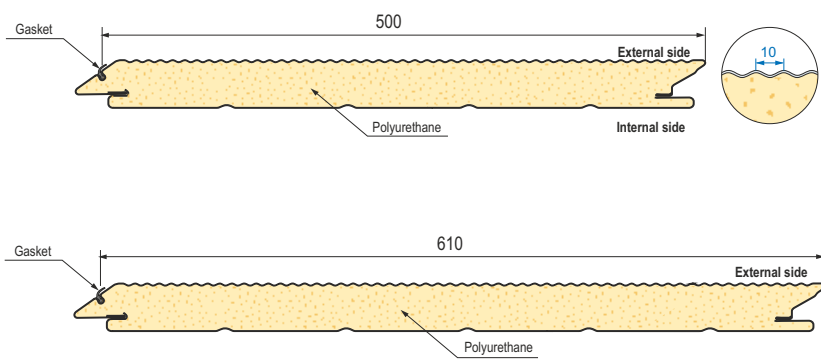
STANDARD COLOURS



RAL 9016
RAL 7016

PANEL TYPES

MICRORIB



PANEL SURFACES

smooth



PANEL COLOURS



Painted RAL colours

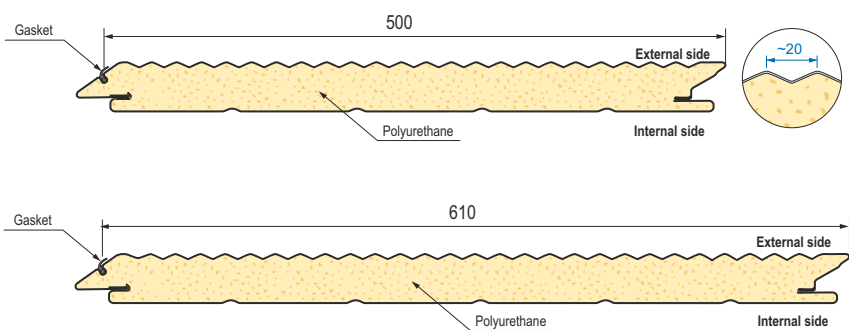
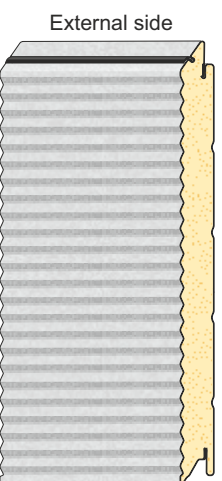


single sided RAL PEARL colours

STANDARD COLOURS

RAL 9016

MACRORIB



PANEL SURFACES

stucco



Standard colour: RAL9007.

PANEL COLOURS



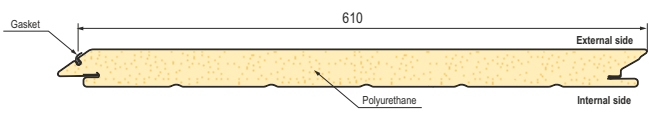
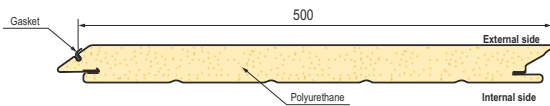
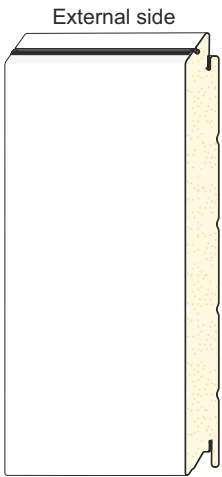
Painted RAL colours

STANDARD COLOURS

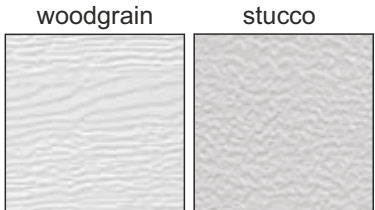
RAL 9007
RAL 9016

PANEL TYPES

FLUSH



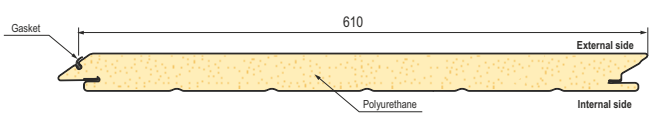
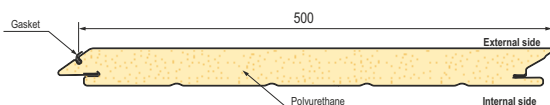
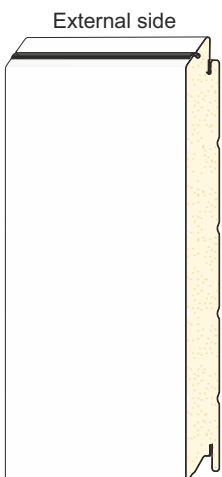
PANEL SURFACES



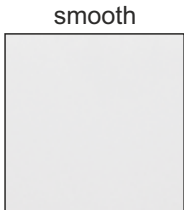
PANEL COLOURS



SLICK



PANEL SURFACES



PANEL COLOURS



STANDARD COLOURS

RAL 9016
RAL 9006
RAL 7016



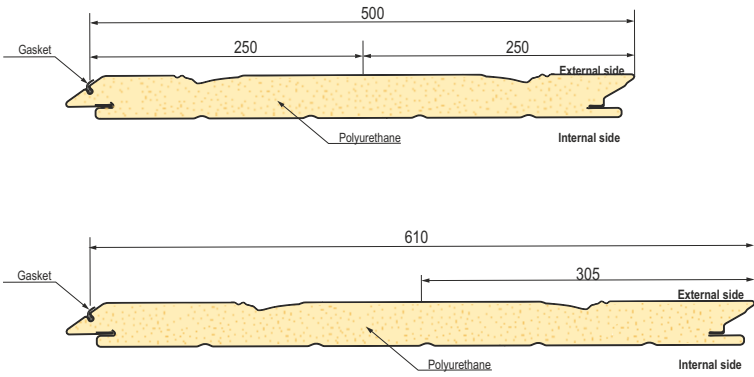
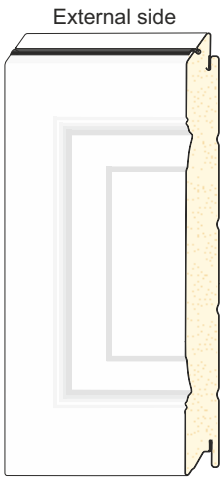
SLICK PLUS

STANDARD COLOURS

Golden Oak, Old Oak, Light Oak, Stainless Steel, Copper, Anthracite Grey, Deep Matt (similar RAL 9016, RAL 9006, RAL 7016, RAL 9005).

PANEL TYPES

CASSETTE



WOOD IMAGES



Golden Oak

PANEL SURFACES

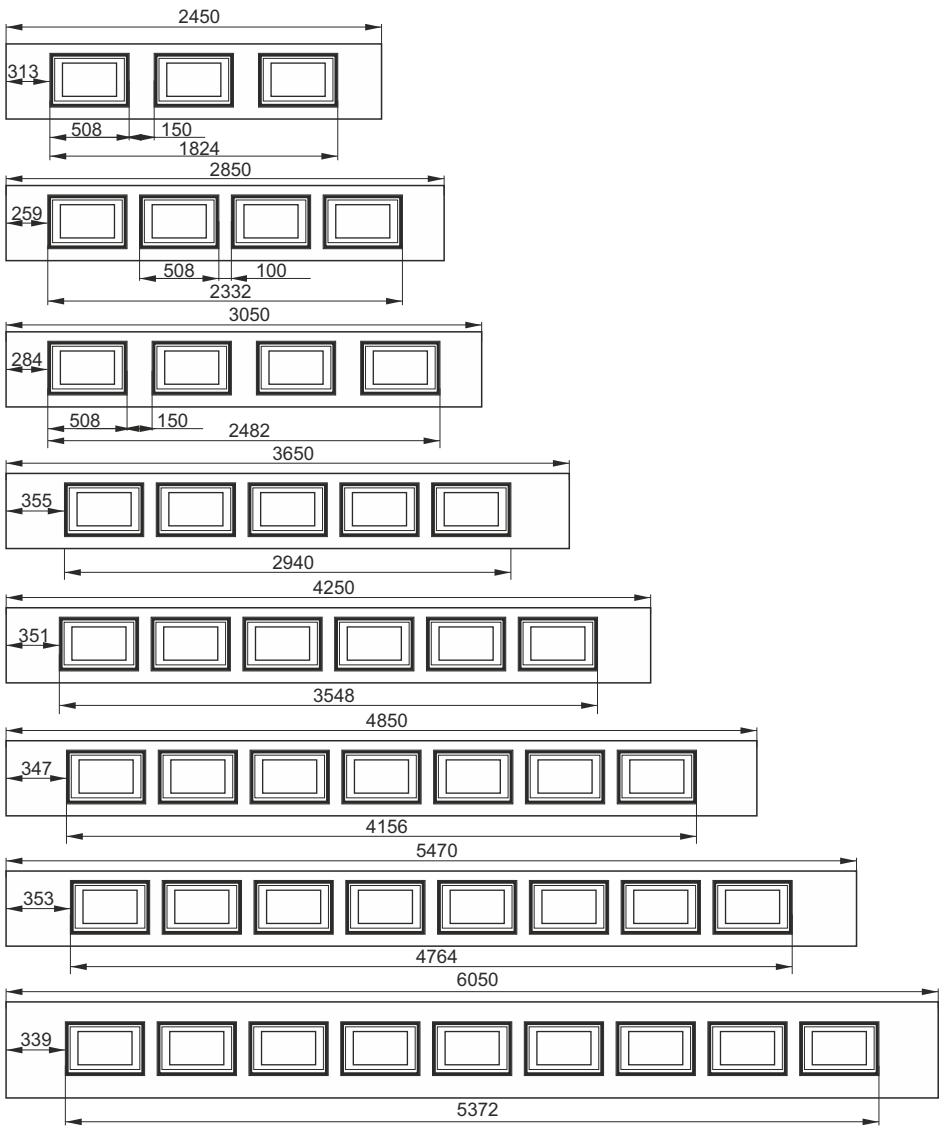
woodgrain



PANEL COLOURS

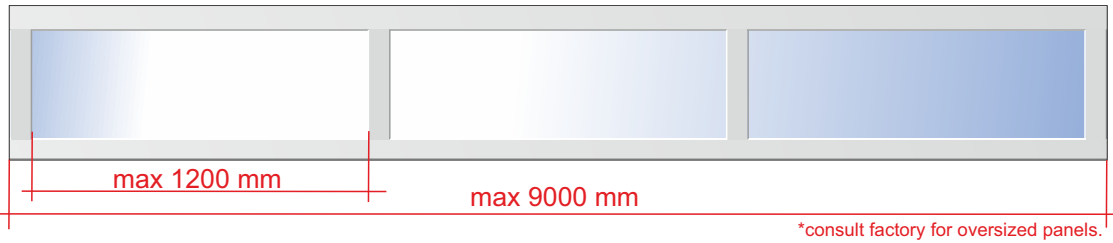


Painted RAL colours

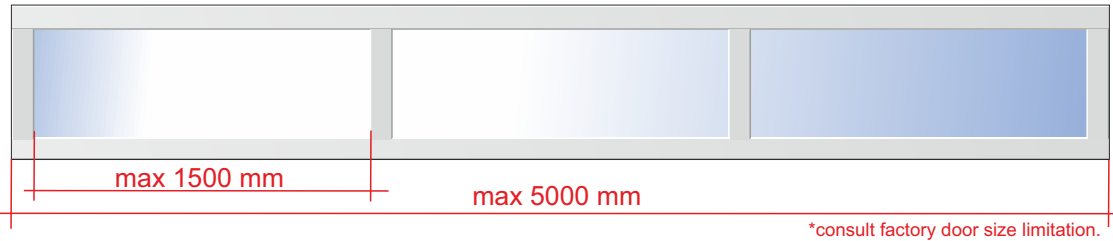


ALU-framed PANEL TYPES

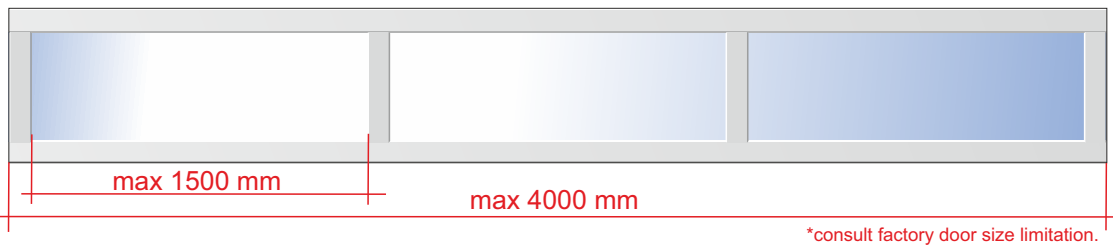
Double insulated Acrylic / Matt / “Frosted” glazing



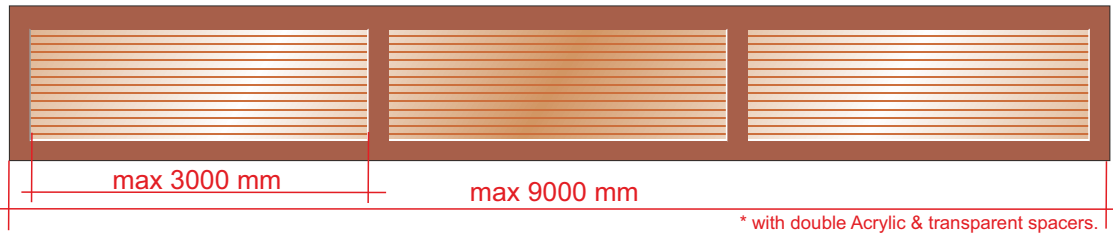
Tempered Glass glazing



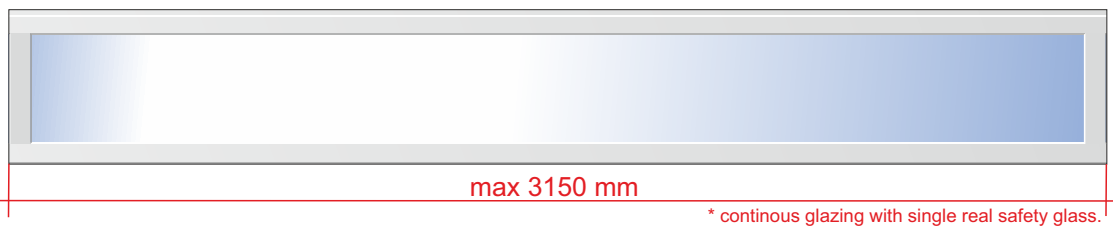
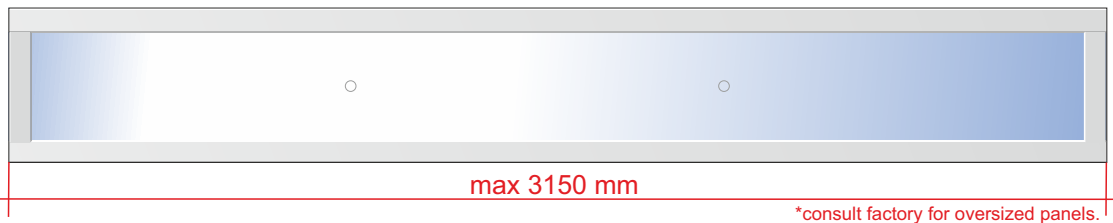
Real Safety Glass glazing



Polycarbonate glazing



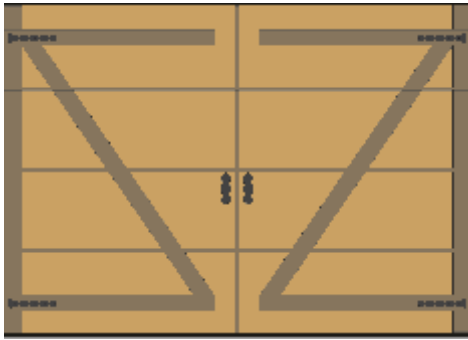
Continous glazing



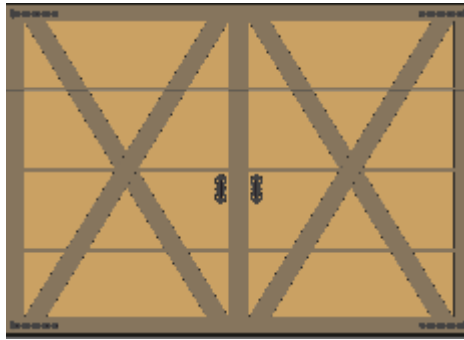
“Cross” decoration



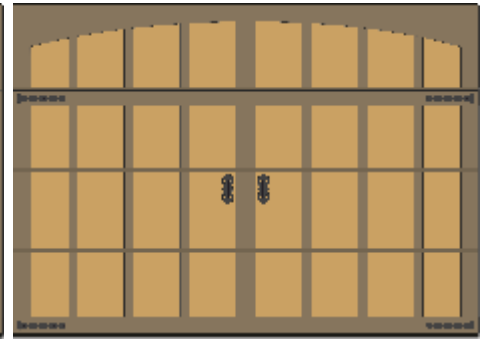
RETRO



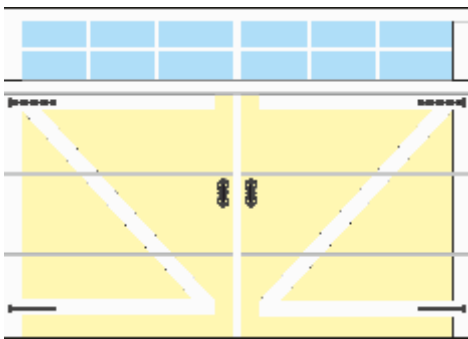
Retro Z



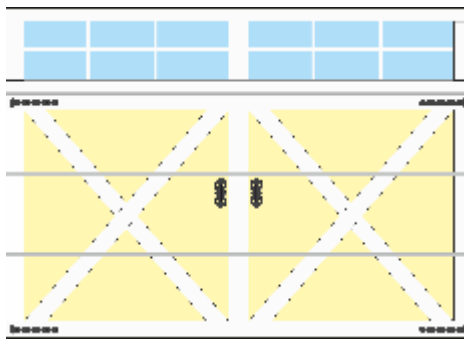
Retro X



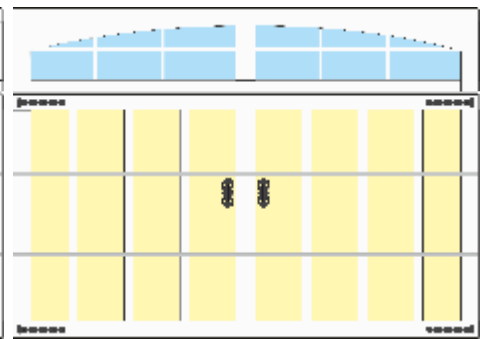
Retro H



Retro Z -FV



Retro X-FV



Retro H-FV

* custom Retro design upon request.



DECOR APPLIQUÉS

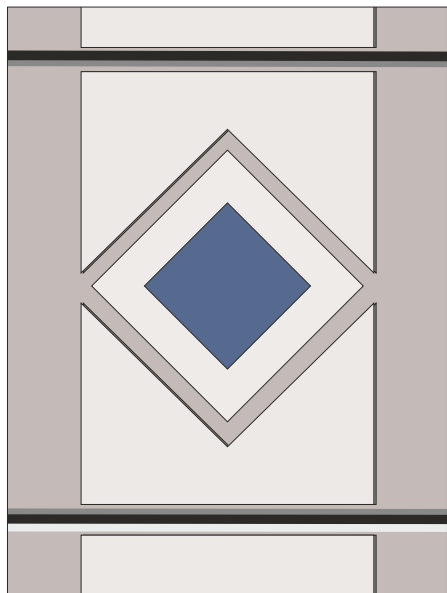
STAINLESS APLIQUÉS OPTIONS



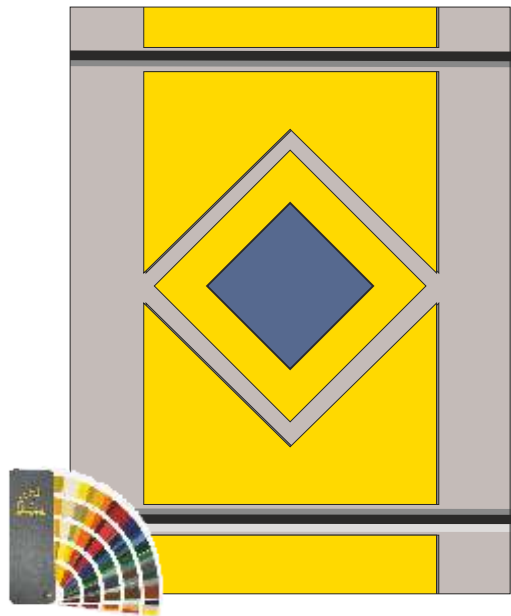
min 5 mm 1 mm
Brushed Stainless Steel (316)



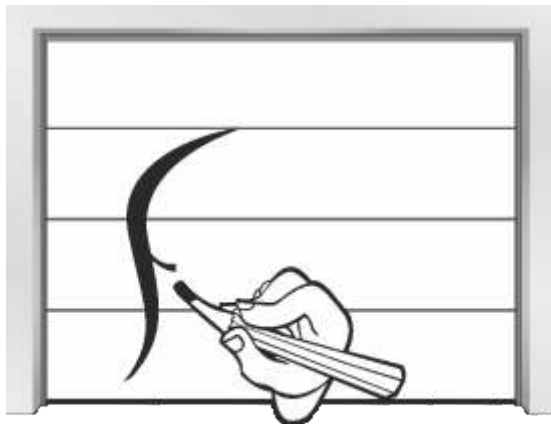
RAL painted stainless steel



Appliques combined with
Stainless Steel windows



RAL painted appliques & windows



Individual design decorations
available on request



For more information refer to
Ryterna DESIGN catalogue

PVC WINDOWS



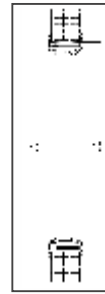
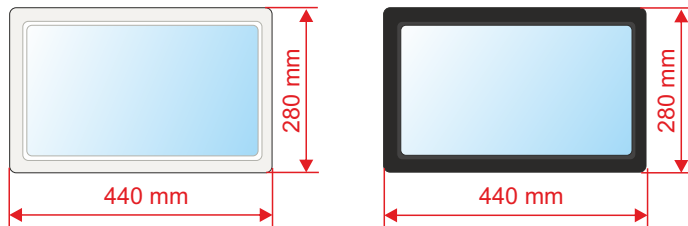
STAINLESS STEEL WINDOWS



TYPES OF WINDOWS Acrylic double glass

Standard acrylic double glass windows

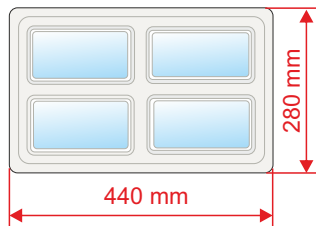
Standard colour white/black



painted RAL colours

"Cross" acrylic double glass windows

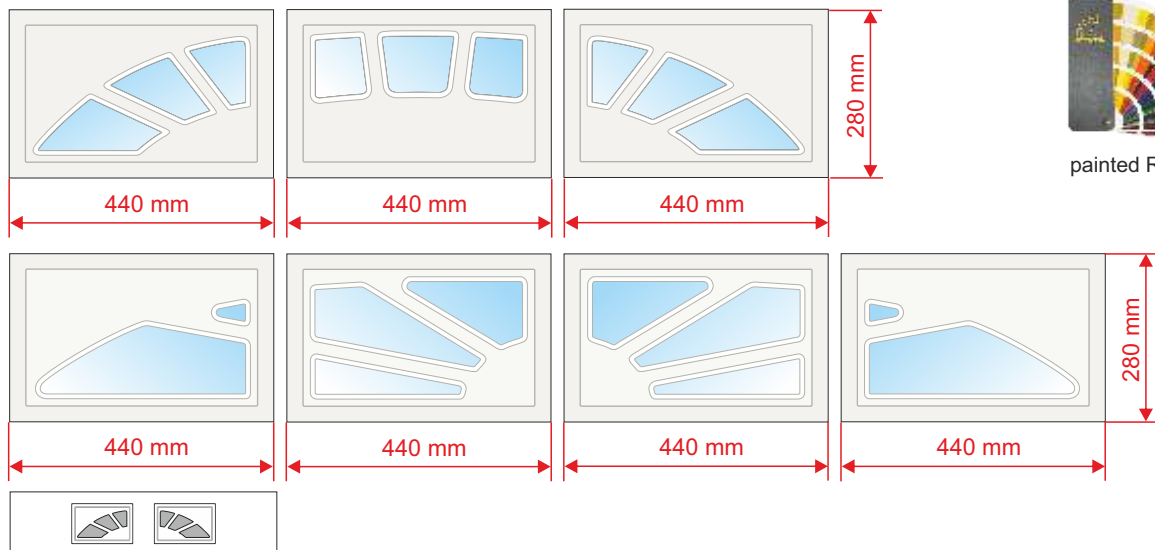
Standard colour white



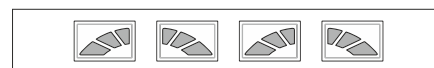
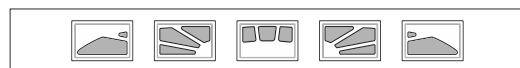
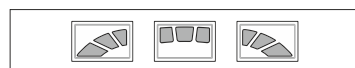
painted RAL colours

"Sunrise" acrylic double glass windows

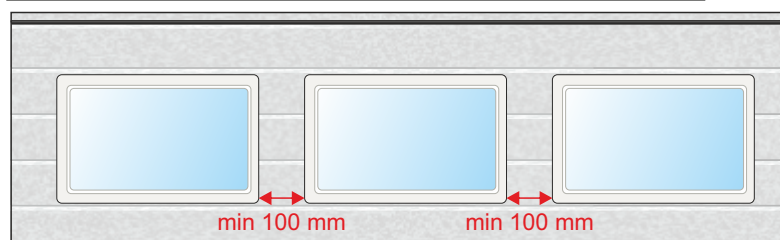
Standard colour white



painted RAL colours

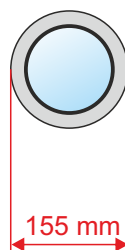
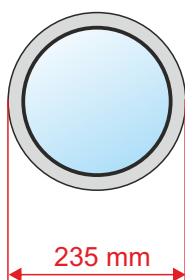
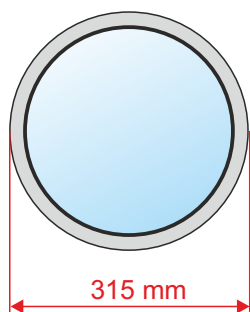


Acrylic double glass windows location



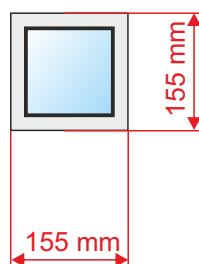
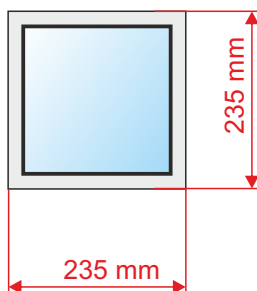
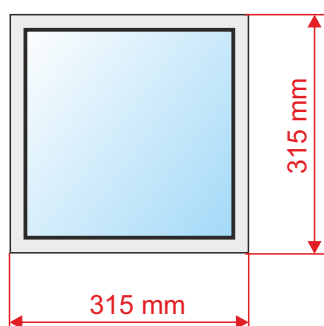
TYPES OF WINDOWS Stainless steel

Round stainless steel windows



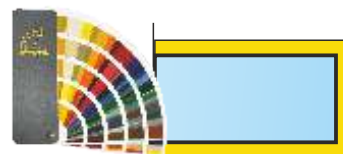
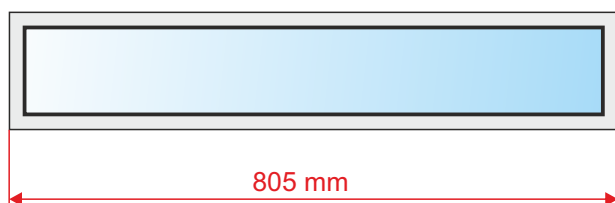
Painted RAL colours

Square stainless steel windows



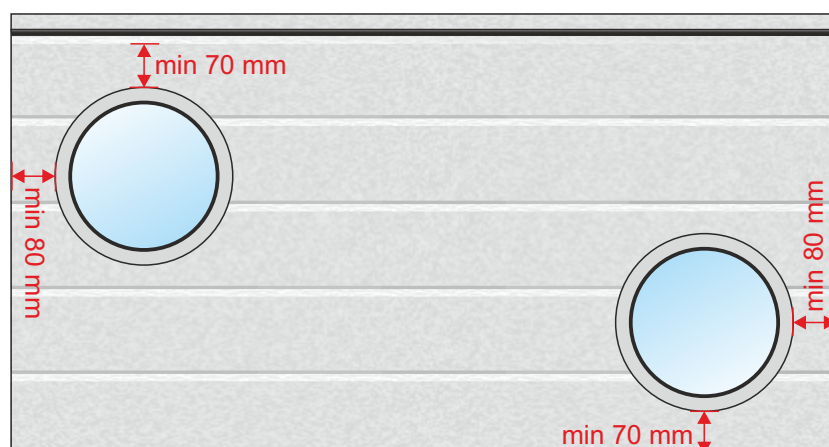
Painted RAL colours

Rectangular stainless steel windows



Painted RAL colours

Stainless steel windows location

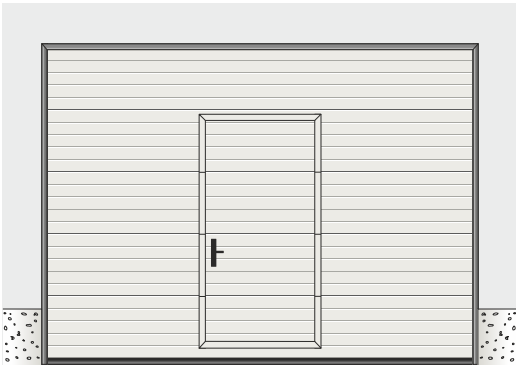


PASS DOORS



PASS DOOR

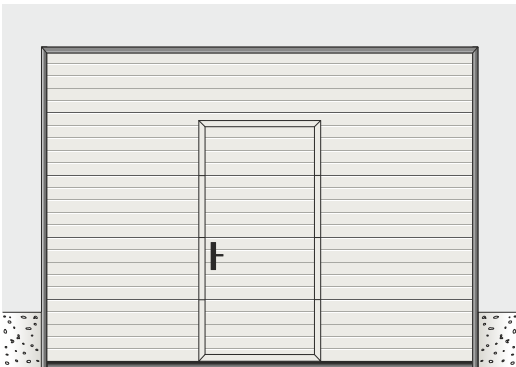
Pass door critical dimentions



Pass door with standard treshold



Min. required distance above the pass door 100 mm



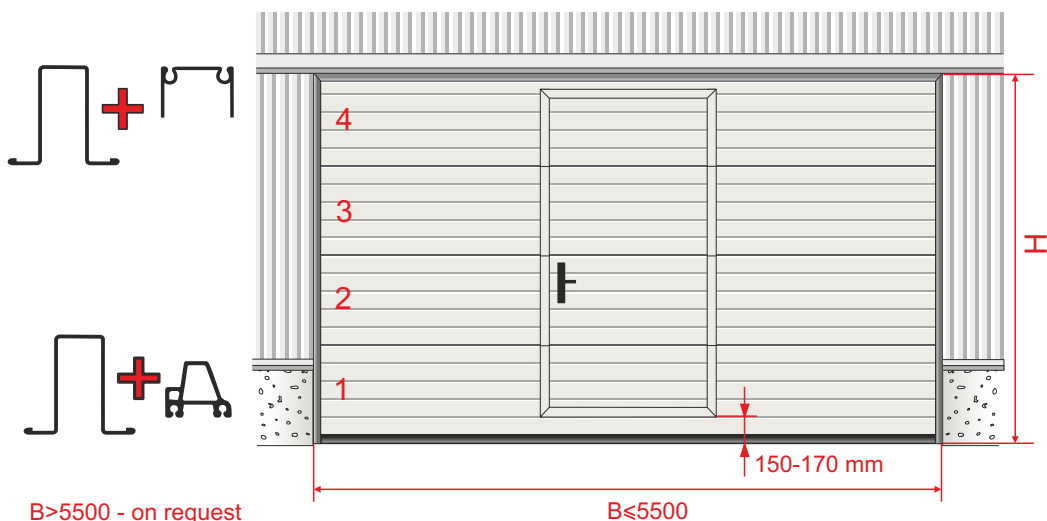
Pass door with low treshold

Handles options



PASS DOOR

STANDARD STEP

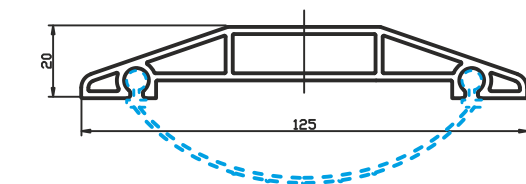


$B > 5500$ - on request

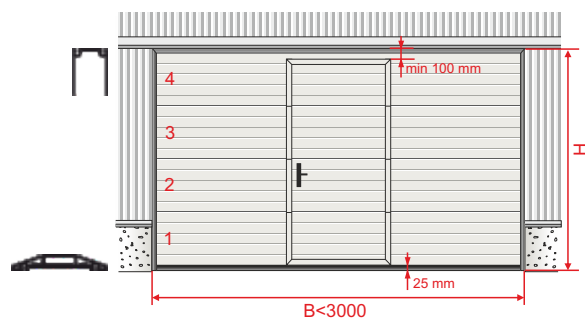
Usable with opto or pneumo safety edge.

$B \leq 5500$

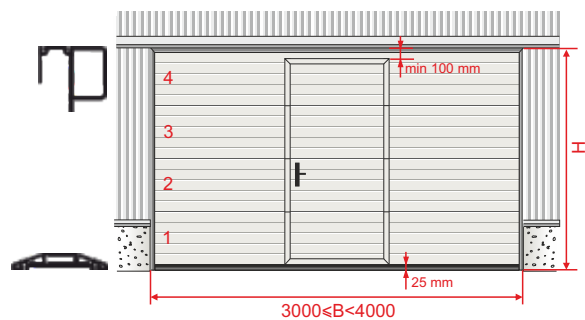
LOW STEP



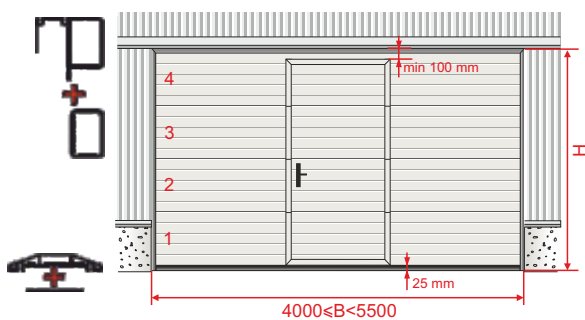
Usable with contact 8,2 kΩ safety edge.



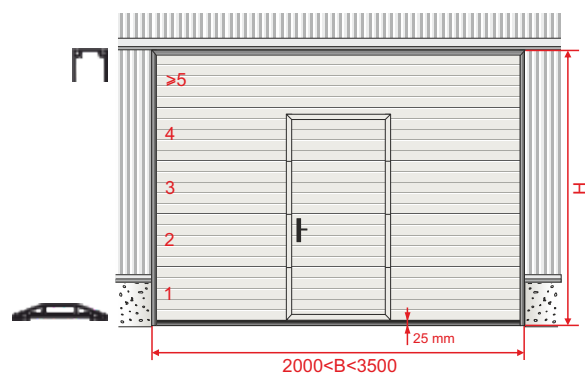
$B < 3000$



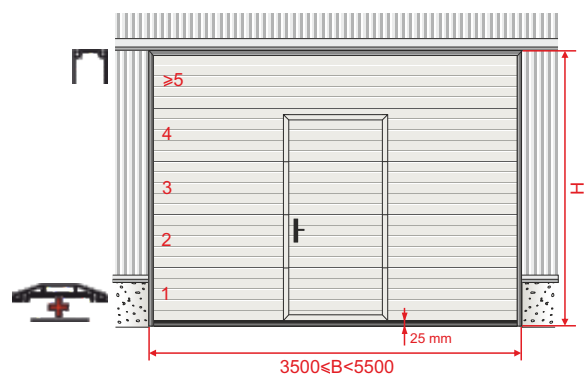
$3000 \leq B < 4000$



$4000 \leq B < 5500$

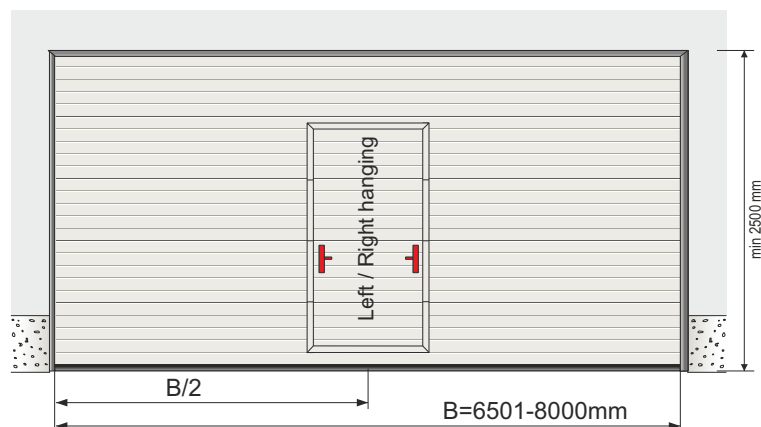
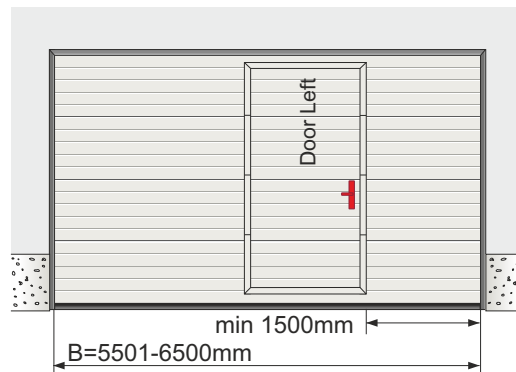
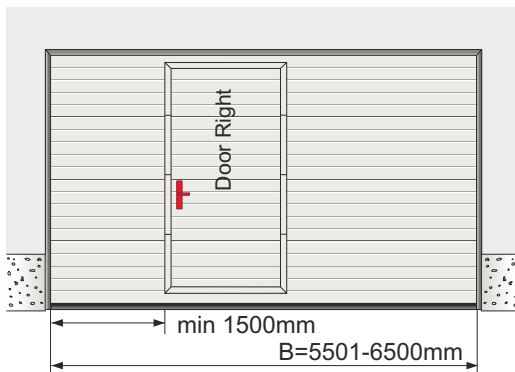
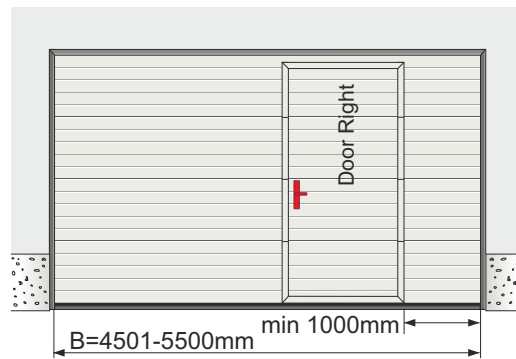
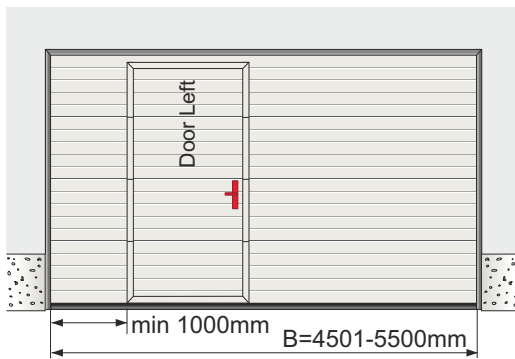
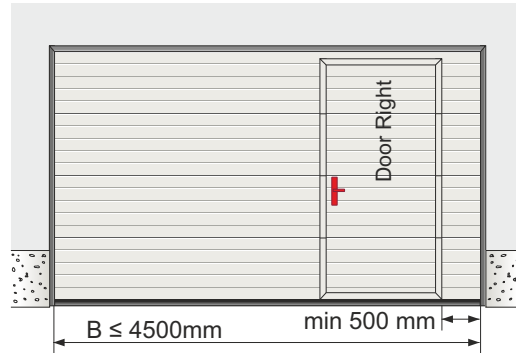
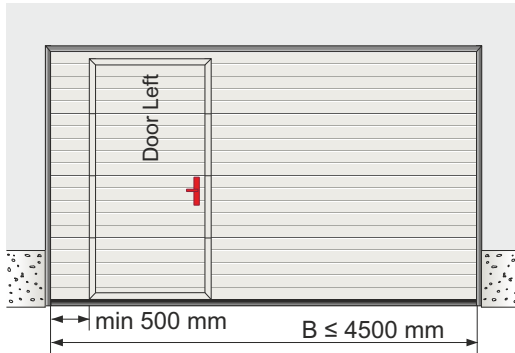
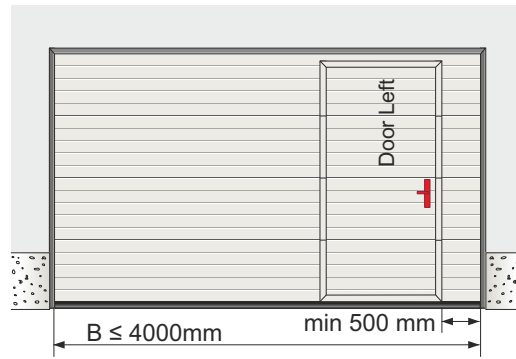
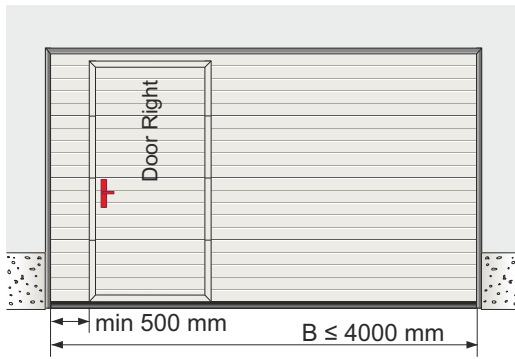


$2000 < B \leq 3500$



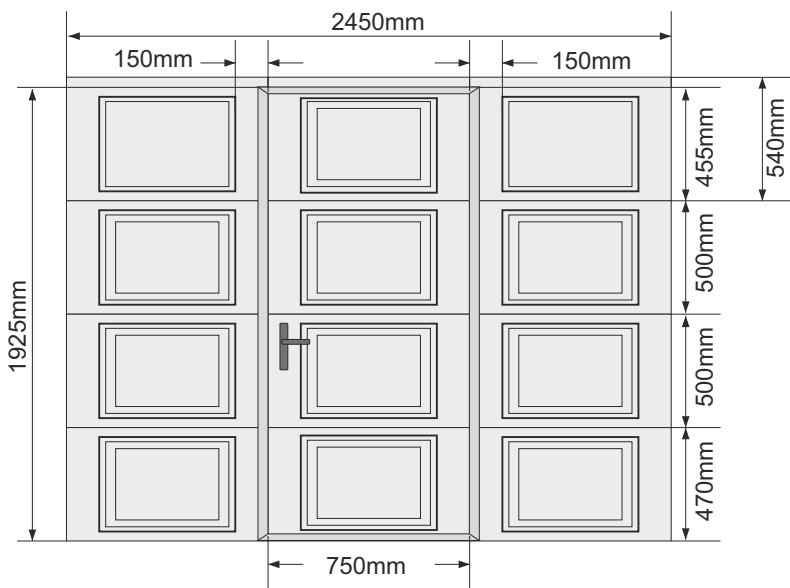
$3500 \leq B < 5500$

PASS DOOR

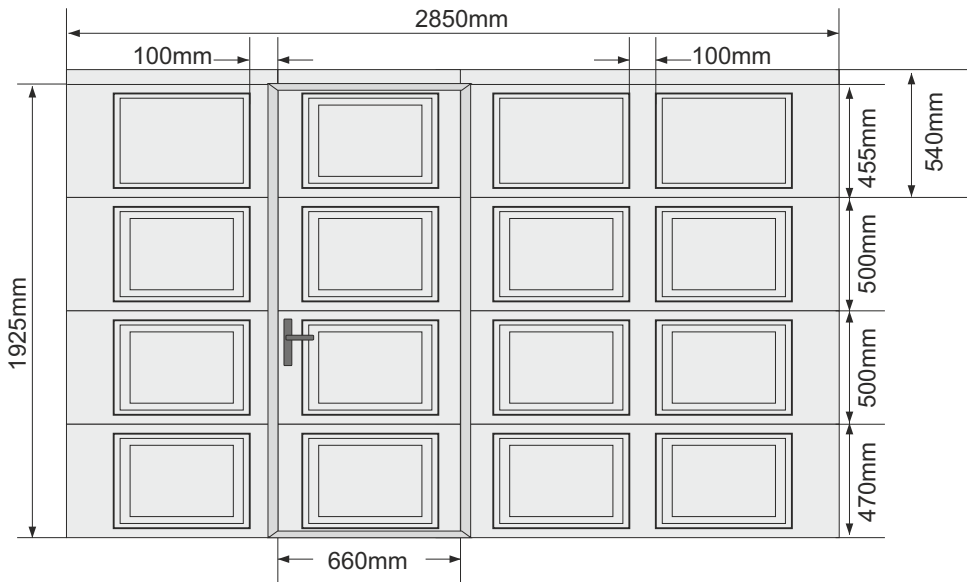


PASS DOOR

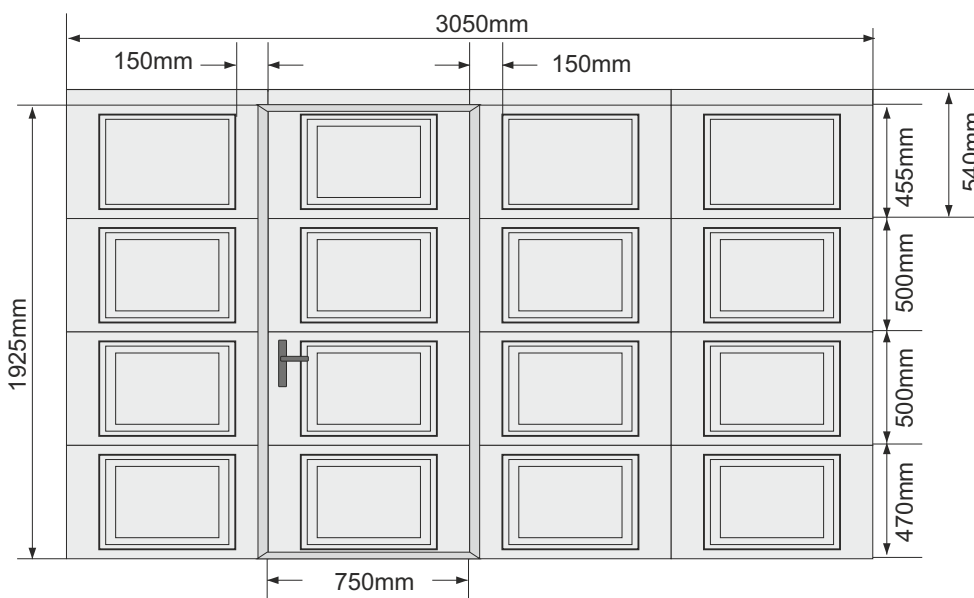
CASSETTE panels



Cassette panels lenght are 2450 mm and 3050 mm.
Door could be left hand or right hand.
Opening allways outside



Opening should be ≥ 2040 mm
There are no windows on cassette panels
Bottom panel high is 470 mm
Top panel high with profile is 540 mm.

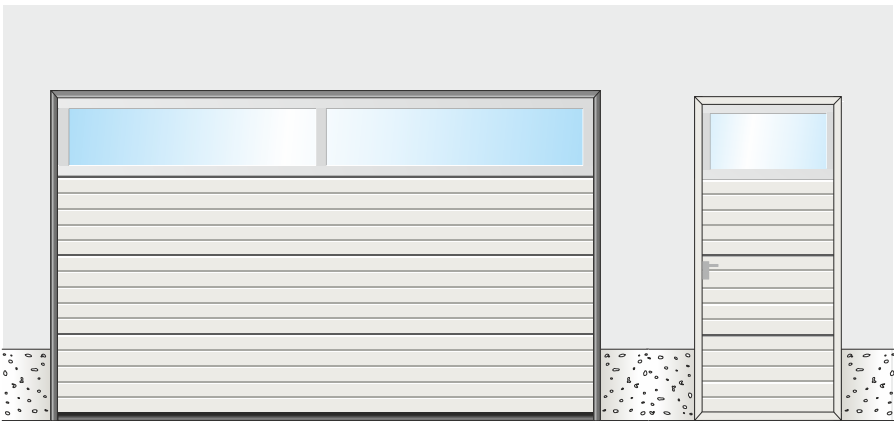
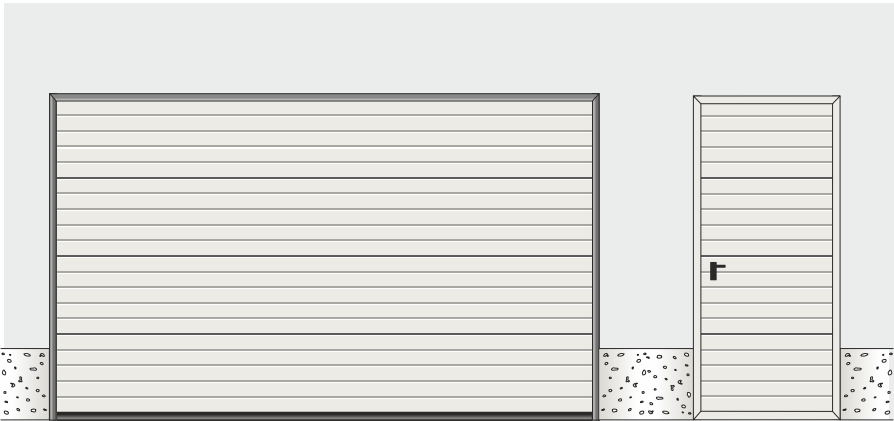


Cassette panels lenght are 2850 mm, 3650 mm, 4250 mm and 4850 mm.
Cassette panels lenght 4850 mm is recommended with 5 panels
Door could be left hand or right hand.
Opening allways outside
Cassette panels lenght are 5470 mm and 6050 mm - door is not recommended on 4 panels.

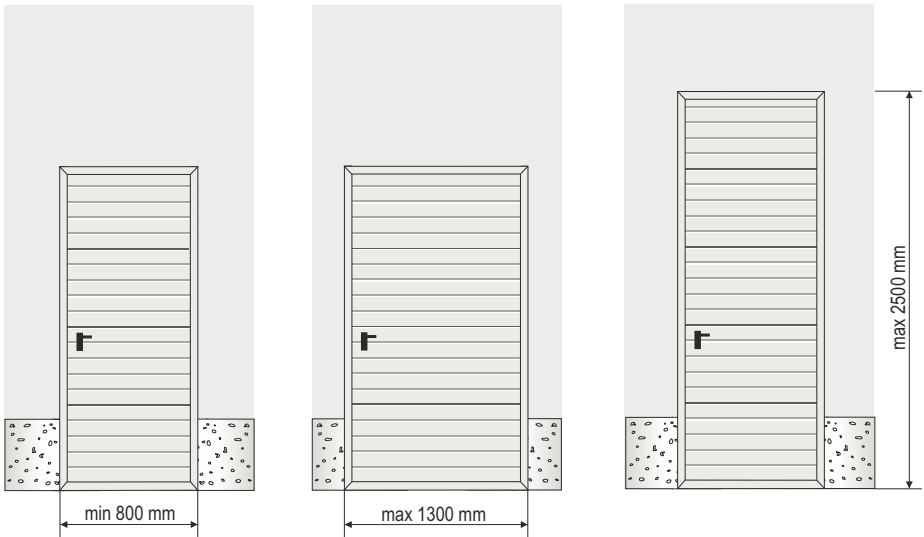
SIDE DOORS



SIDE DOOR

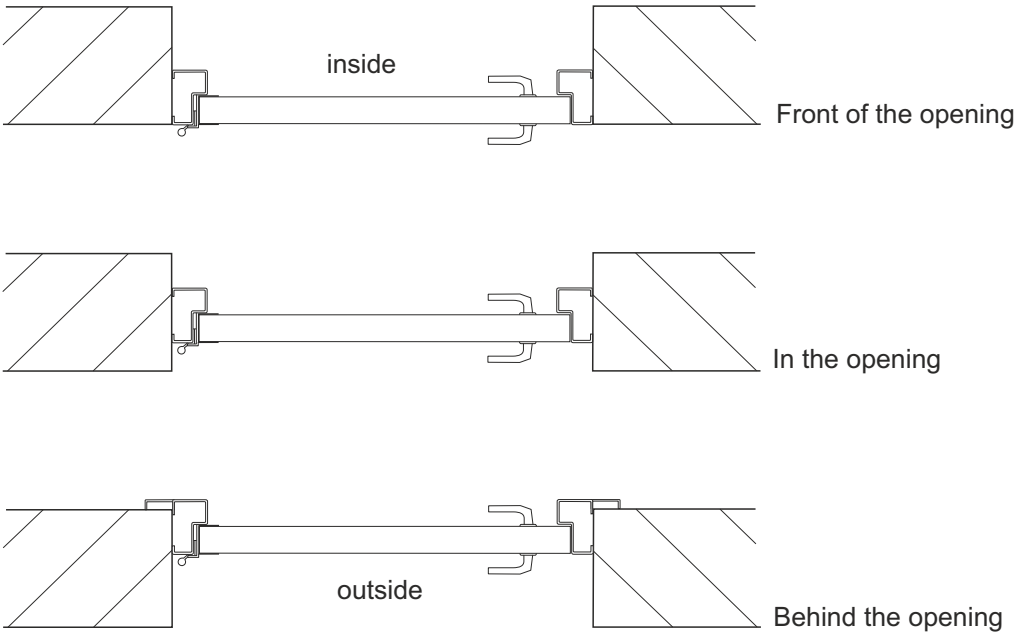


Side door critical dimensions

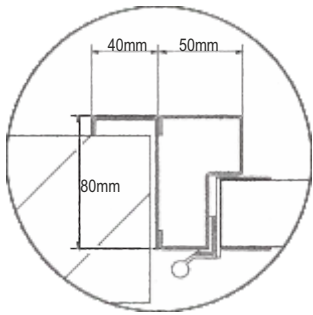


SIDE DOOR

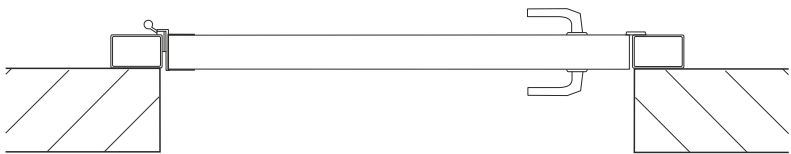
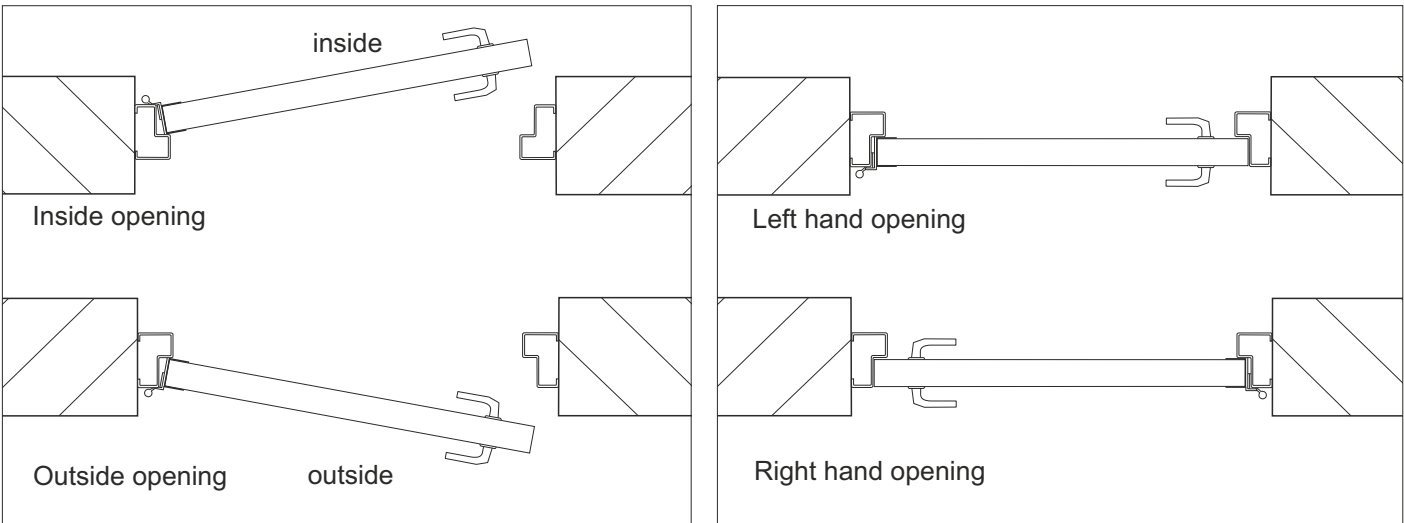
Positioning of the side door in the opening



Frame dimensions



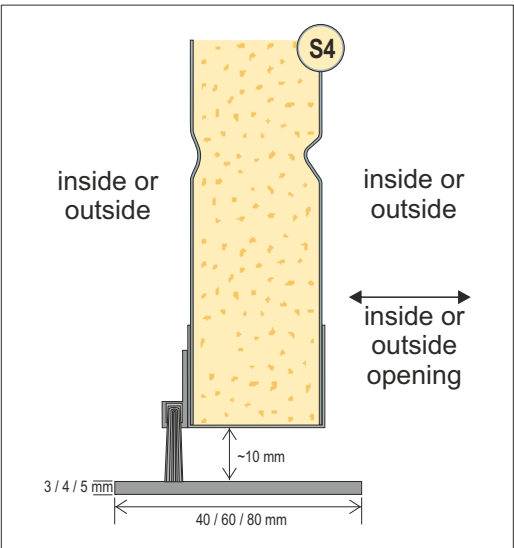
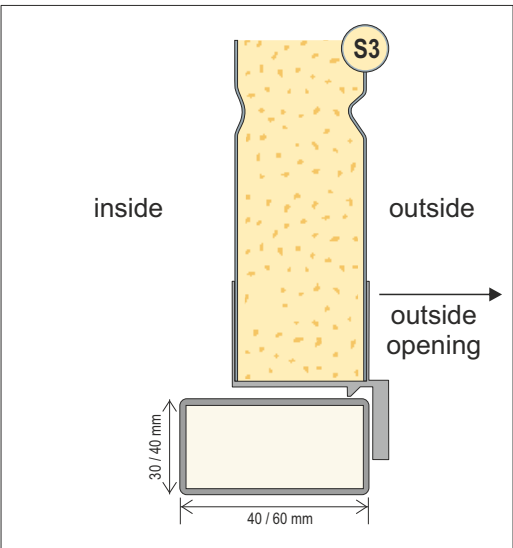
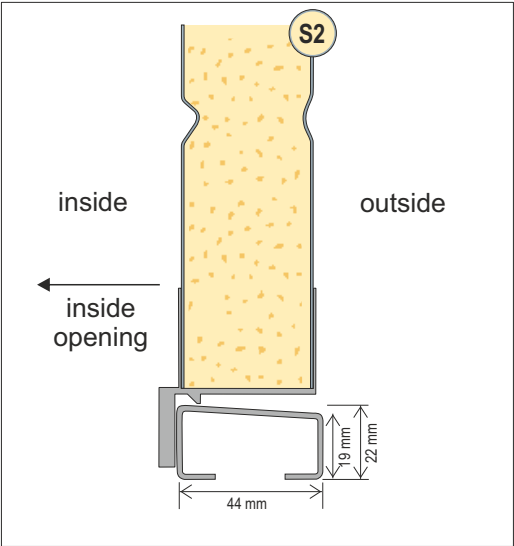
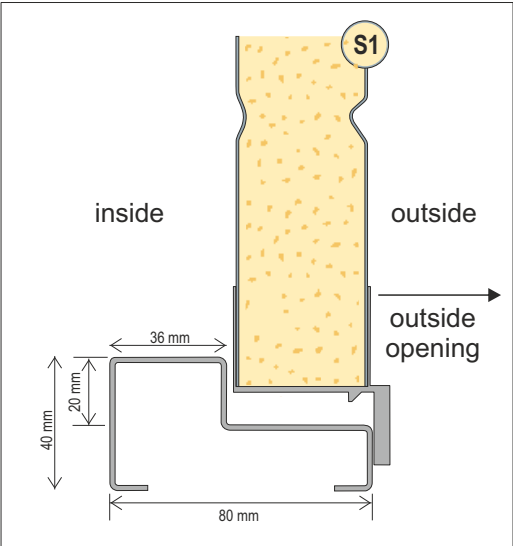
Opening side (Left / Right)



A rectangular steel profile frame enables to install the side door on the inner wall to save maximum of daylight opening.

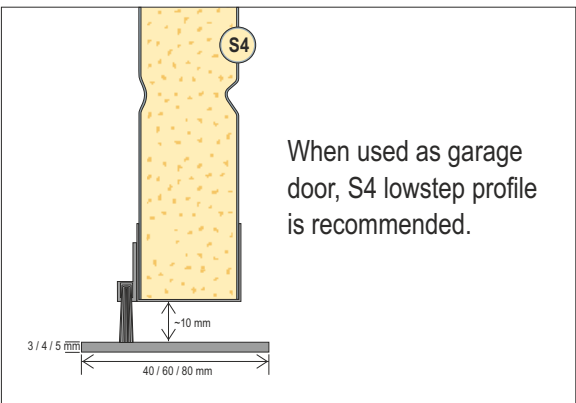
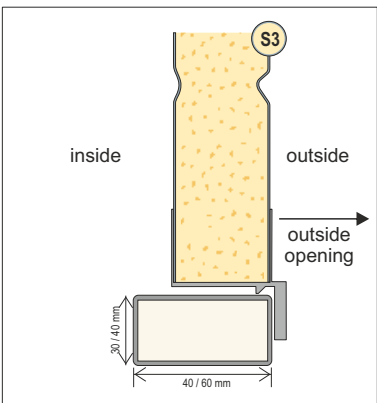
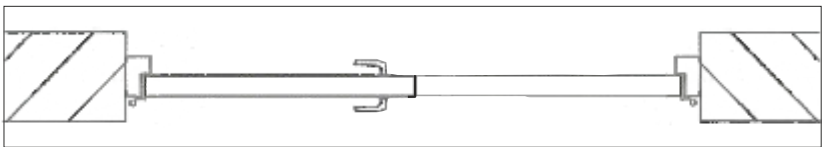
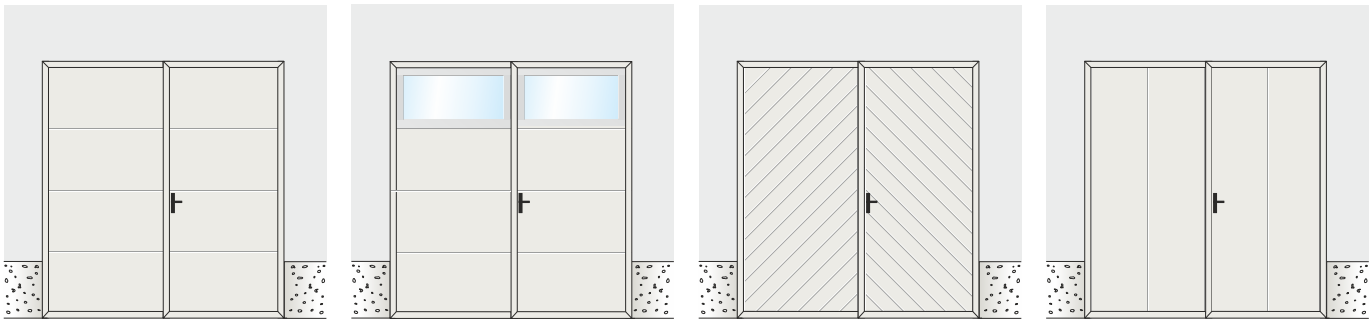
SIDE DOOR

Side doors step types



DOUBLE HINGED DOOR

Two leaf doors are recommended when the opening is wider than 1300 mm.

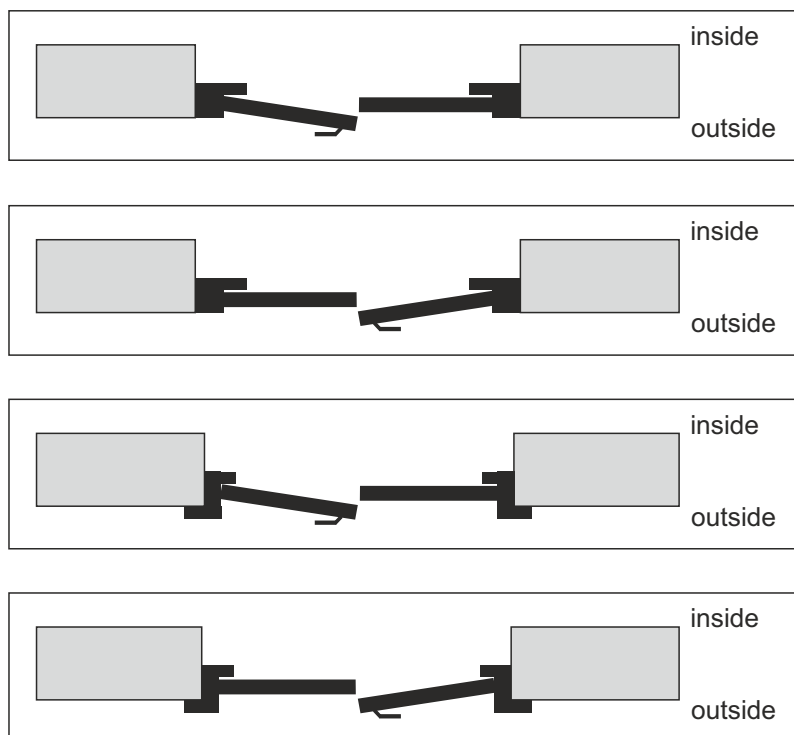


Double side door critical dimentions



DOUBLE HINGED DOOR

Opening



Espagnolette lock (optional)

