



9001:2015 14001:2015 14001:2015

TECHNICAL DATA

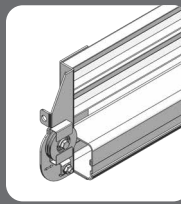
GARAGE DOORS

05	R30 - UM
06	R40 - SM
07	R40 - UM
08	R40 - TM
09	R60 - SM
10	R60 - UM
11	R60 - TM
12	TL40 LHR - FM
13	TL40 LHR - RM
14	TL40 STD
15	TL60 LHR - FM
16	TL60 LHR - RM
17	TL60 STD
18	OPTIONS TO REDUCE HEADROOM AND INCREASE DAYLIGHT OPENING
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20	TL40 LHR - RM PR
21	TL40 STD PR
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23	SIDE SLIDING SECTIONAL DOORS SSD
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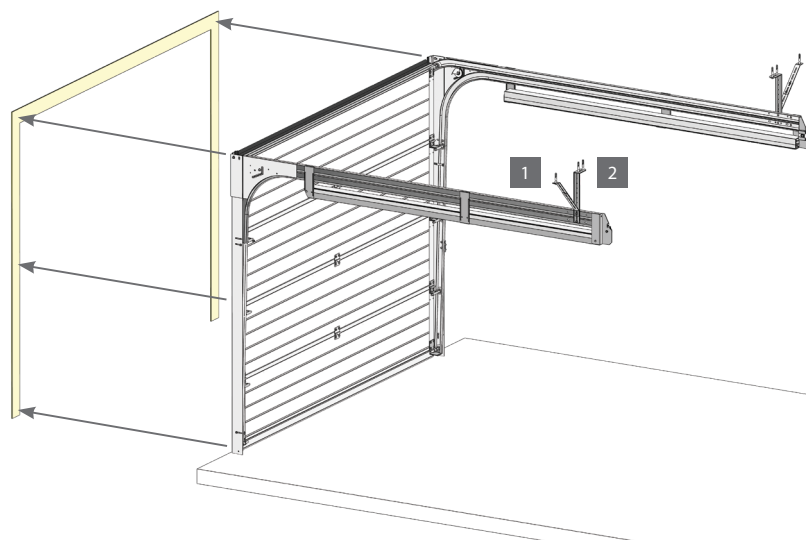
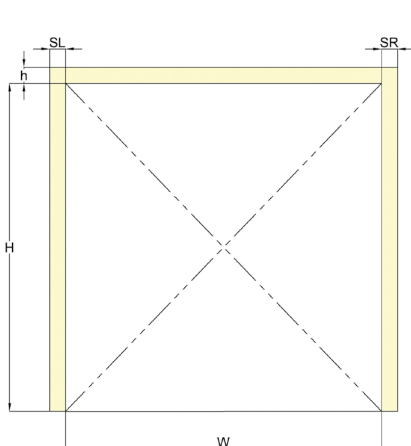
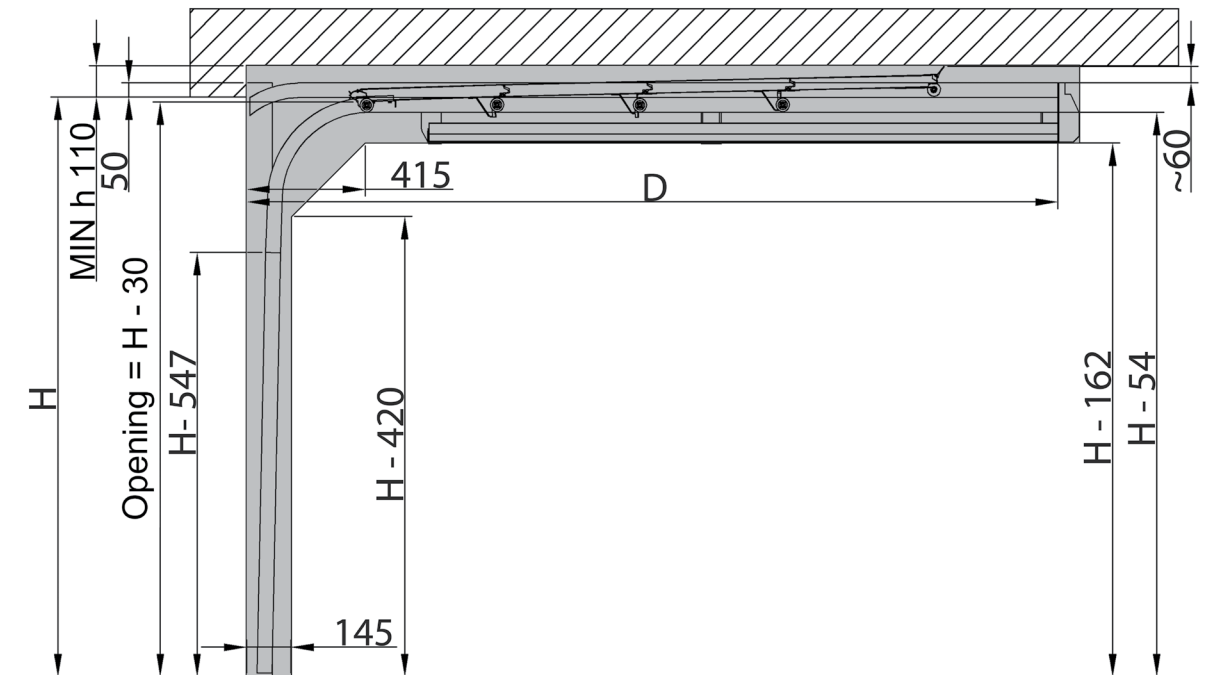
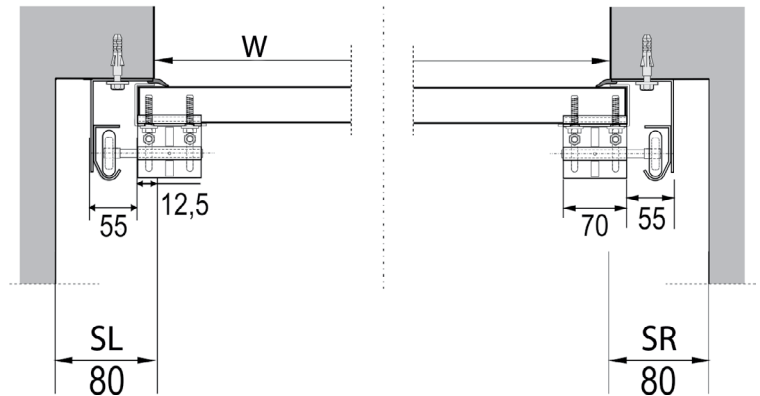
R30 - UM



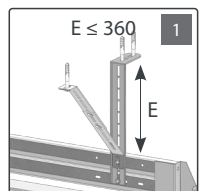
h (headroom)	110 (manual) 150 (with el. operator)
SL / SR (sideroom)	80
Daylight opening	H - 30 (with el. operator)

H	D
≤ 2070	2680
2071 - 2125	2880
2451 - 2500	3007

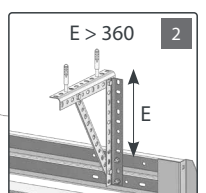
Number of required suspensions	
W ≤ 3000	1 suspension per side

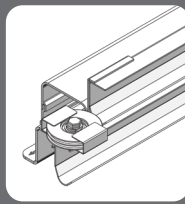


STANDARD



OPTIONAL

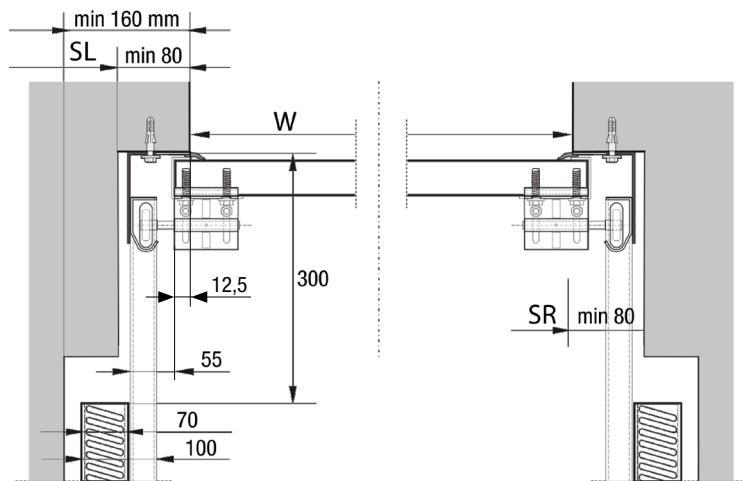




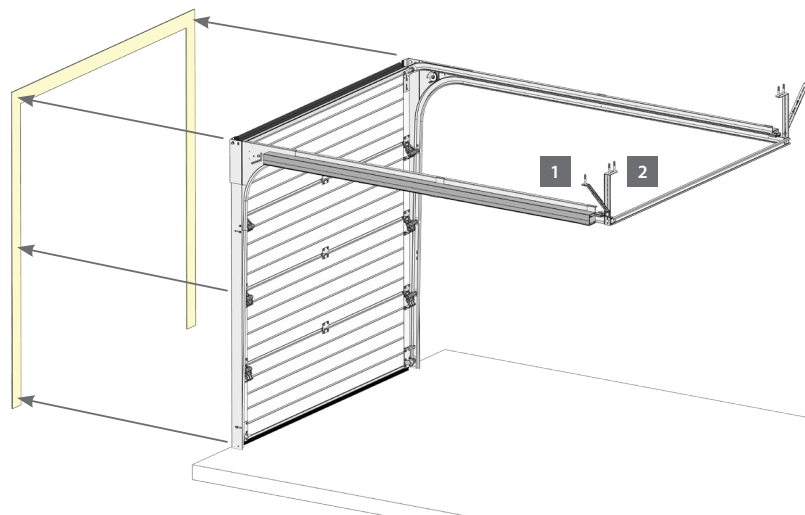
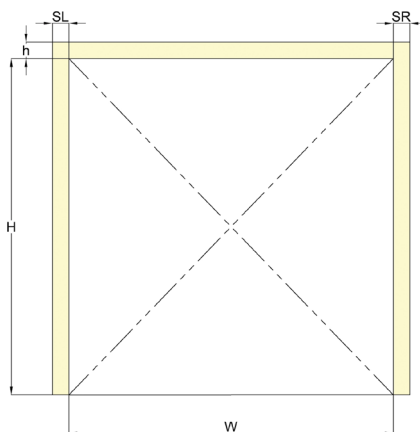
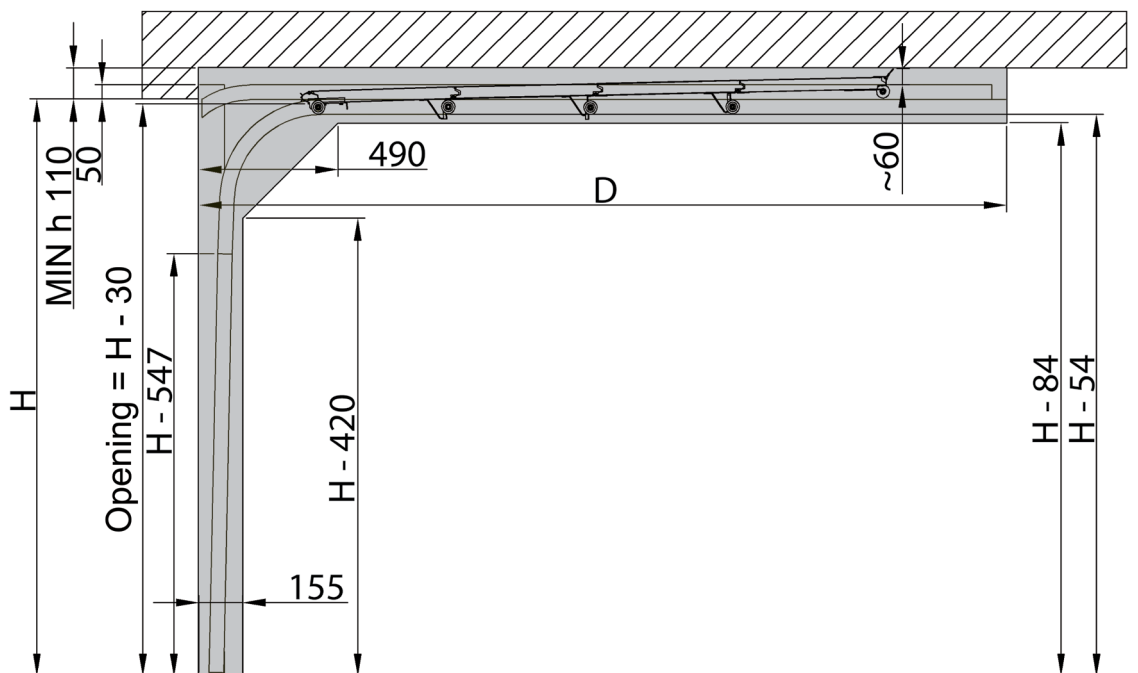
h (headroom)	110 (manual) 150 (with el. operator)
SL / SR (sideroom)	160
Daylight opening	H - 30 (with el. operator)

H	D
≤ 2070	2720
2071 - 2270	2920
2271 - 2400	3047
2401 - 2500	3300

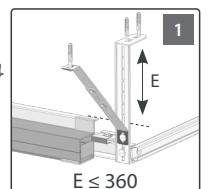
Number of required suspensions	
W ≤ 3000	1 suspension per side
W > 3000	2 suspensions per side



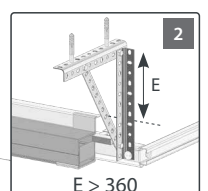
See page 18 for options to reduce required headroom and increase daylight opening.

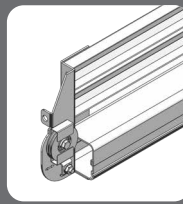


STANDARD



OPTIONAL





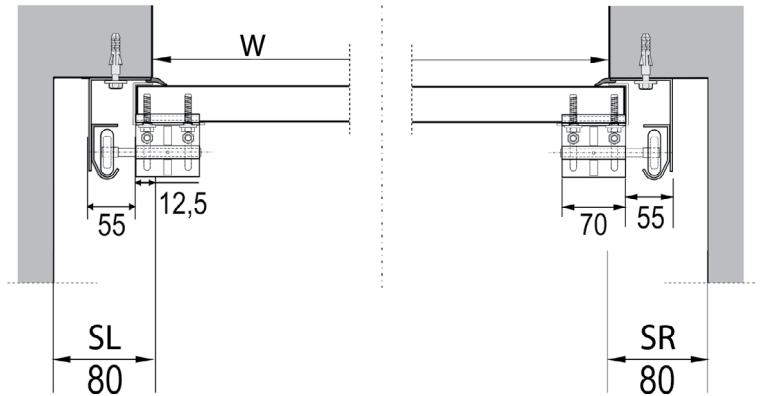
R40 - UM



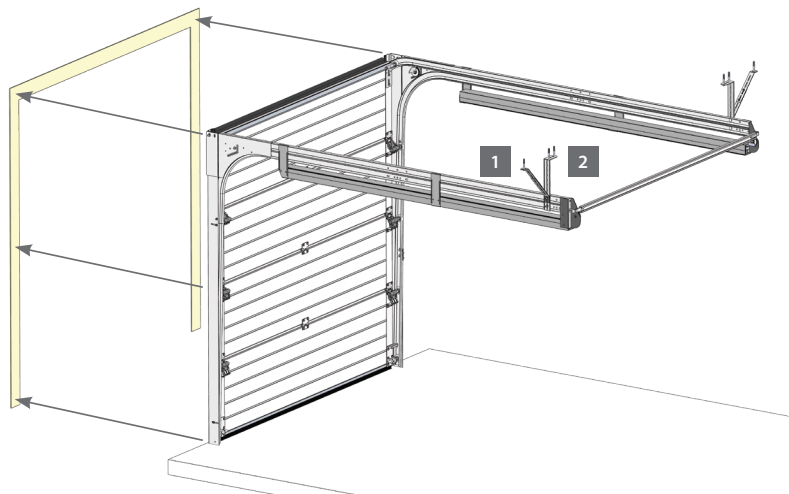
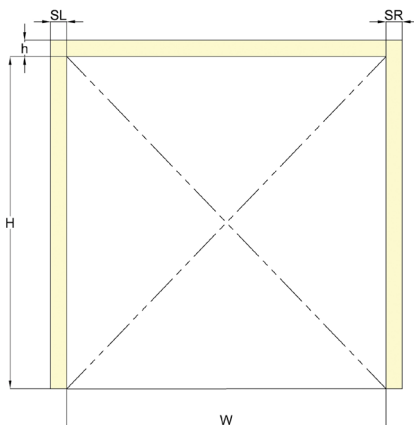
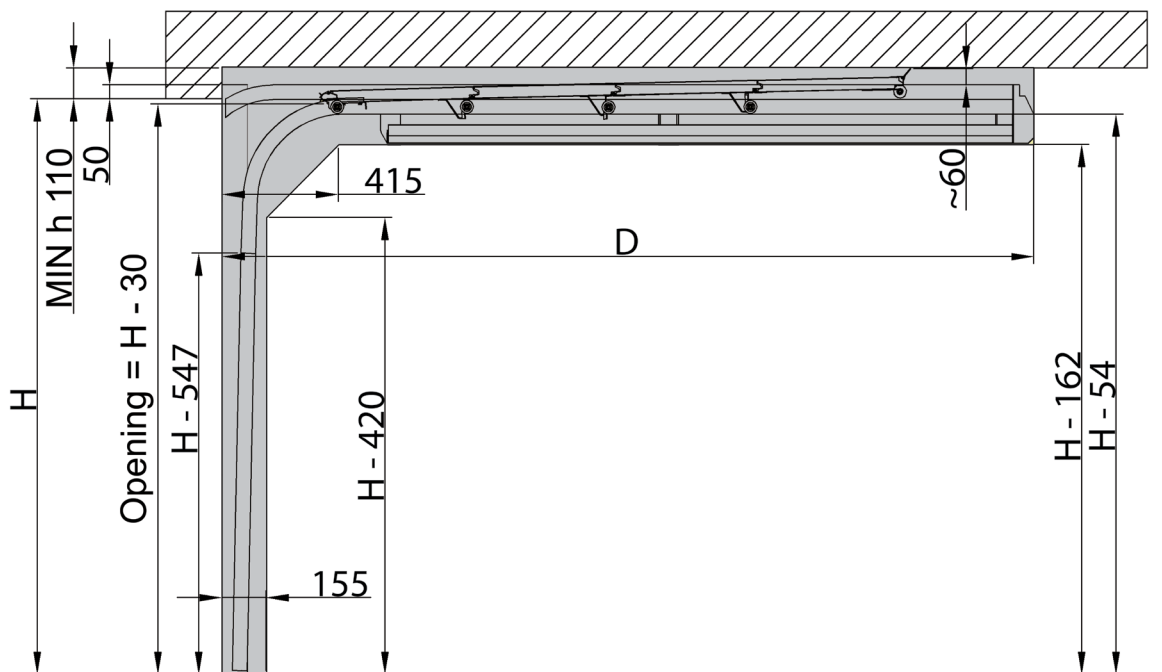
h (headroom)	110 (manual) 150 (with el. operator)
SL / SR (sideroom)	80
Daylight opening	H - 30 (with el. operator)

H	D
≤ 2070	2680
2071 - 2270	2880
2271 - 2400	3007
2401 - 2500	3260

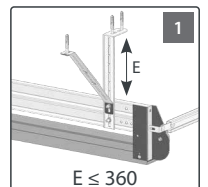
Number of required suspensions	
W ≤ 3000	1 suspension per side
W > 3000	2 suspensions per side



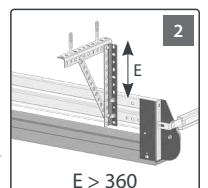
See page 18 for options to reduce required headroom and increase daylight opening.

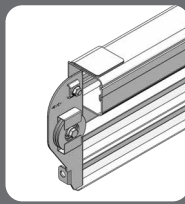


STANDARD



OPTIONAL

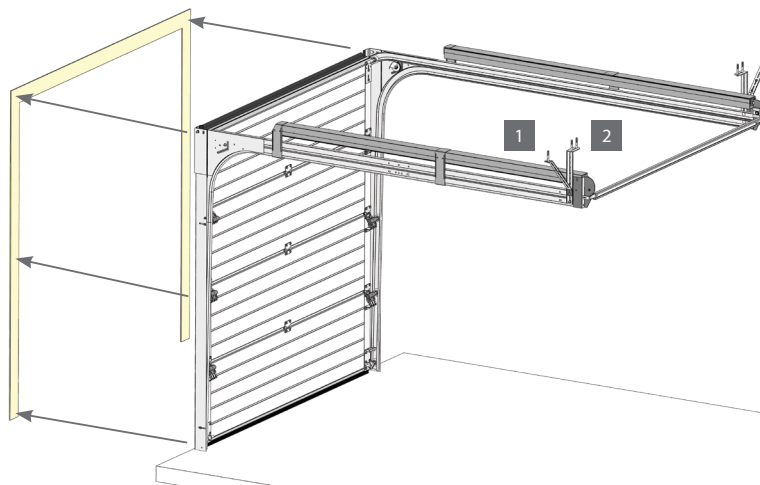
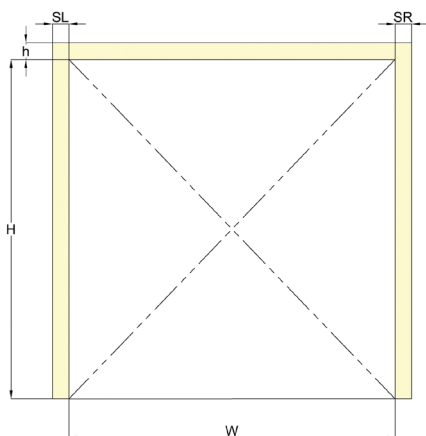
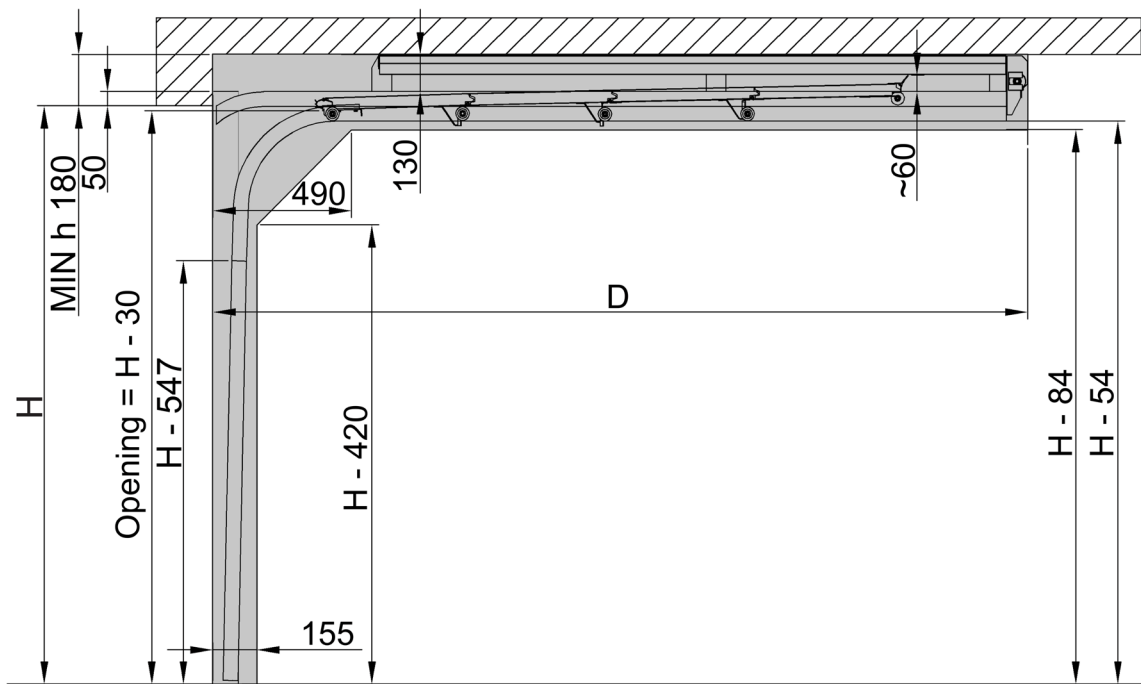
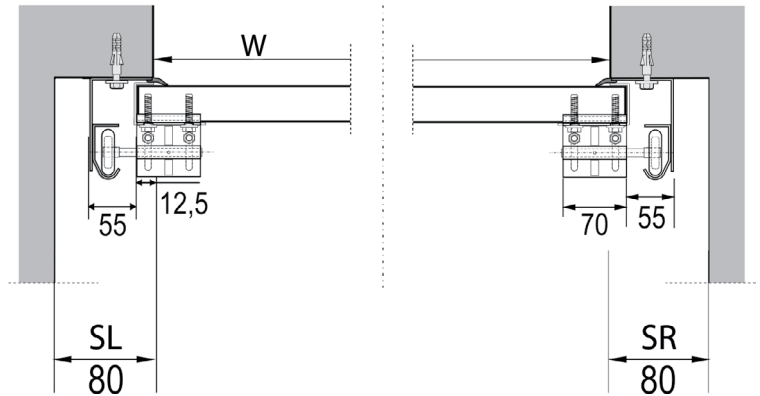




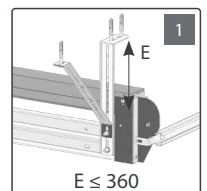
h (headroom)	180 (with el. operator or manual)
SL / SR (sideroom)	80
Daylight opening	H - 30 (with el. operator)

H	D
≤ 2125	2880
2126 - 2250	3007
2251 - 2500	3260

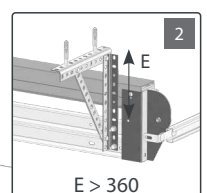
Number of required suspensions	
W ≤ 3000	1 suspension per side
W > 3000	2 suspensions per side

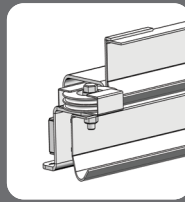


STANDARD



OPTIONAL





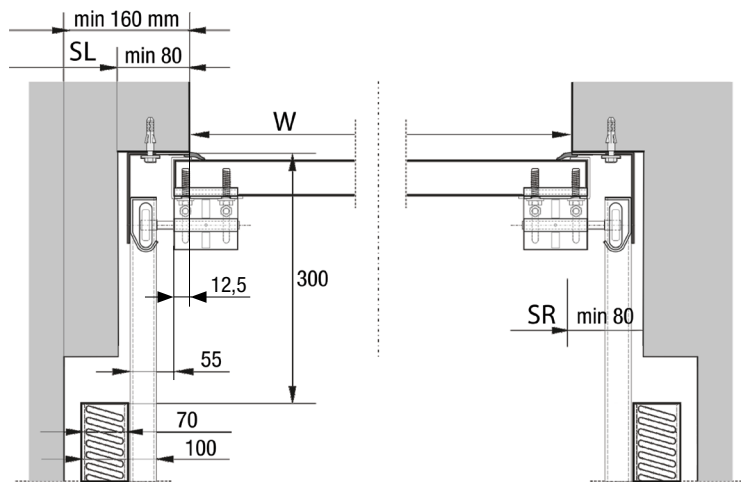
R60 - SM



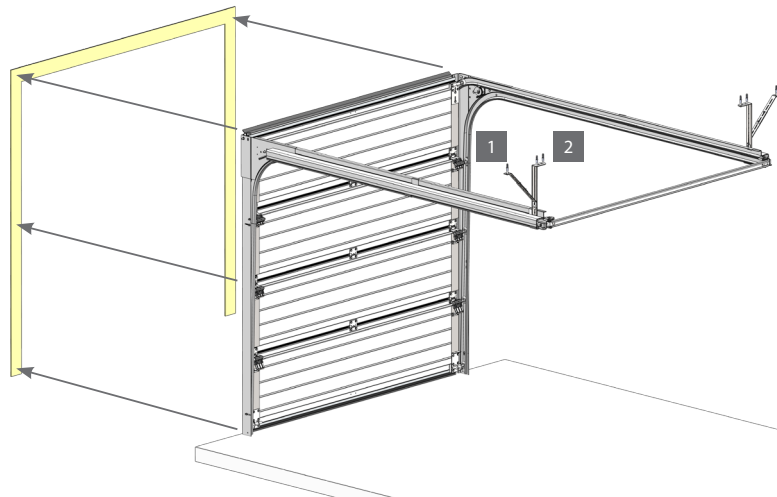
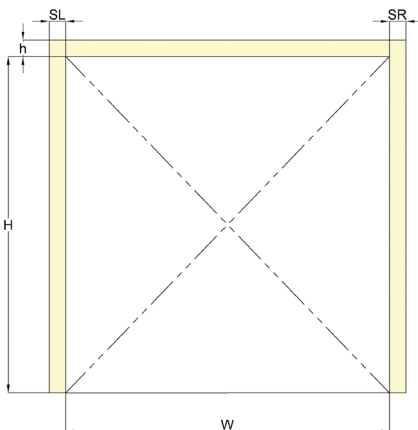
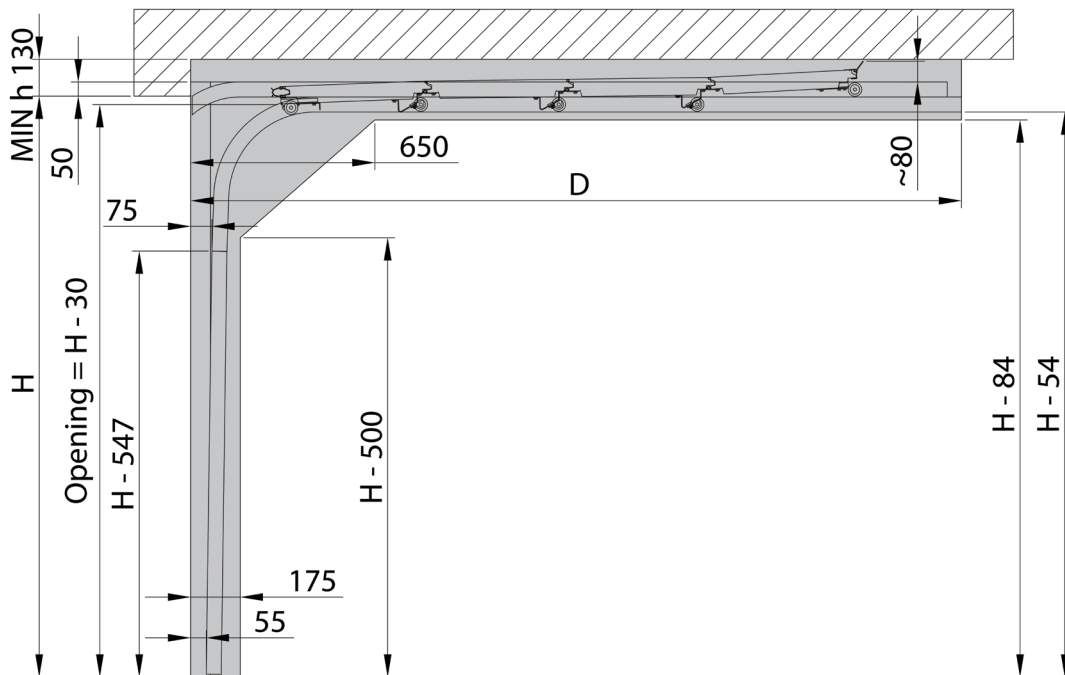
h (headroom)	130 (manual) 170 (with el. operator)
SL / SR (sideroom)	160
Daylight opening	H - 30 (with el. operator)

H	D
≤ 2070	2720
2071 - 2270	2920
2271 - 2400	3047
2401 - 2500	3300

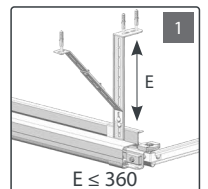
Number of required suspensions	
W ≤ 3000	1 suspension per side
W > 3000	2 suspensions per side



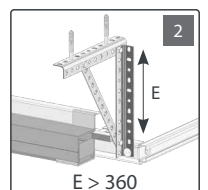
See page 18 for options to reduce required headroom and increase daylight opening.

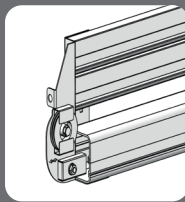


STANDARD



OPTIONAL

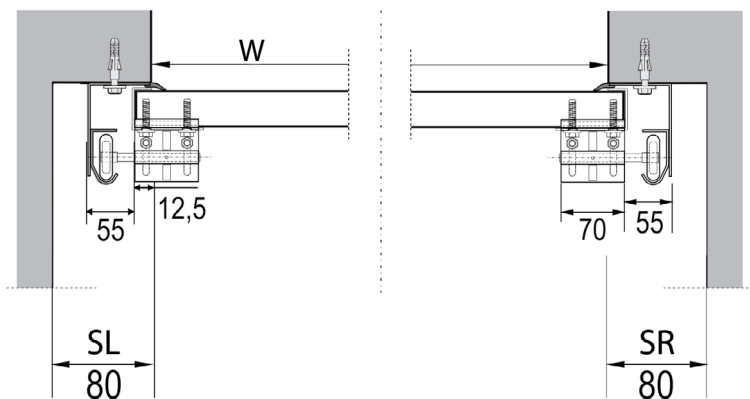




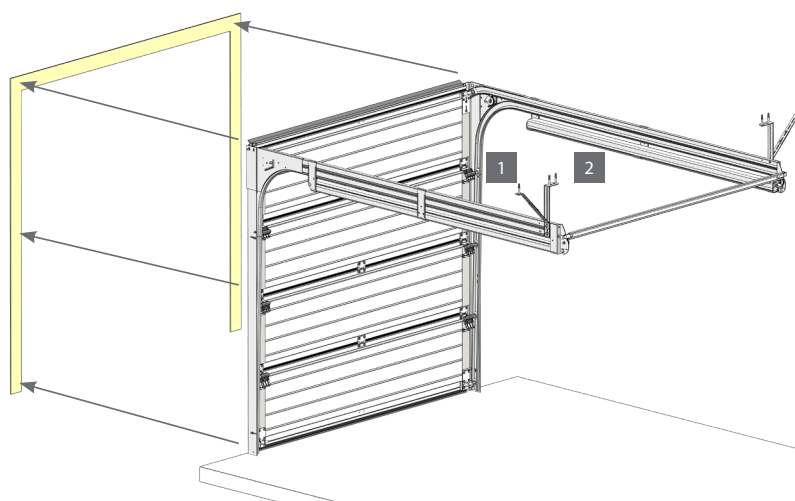
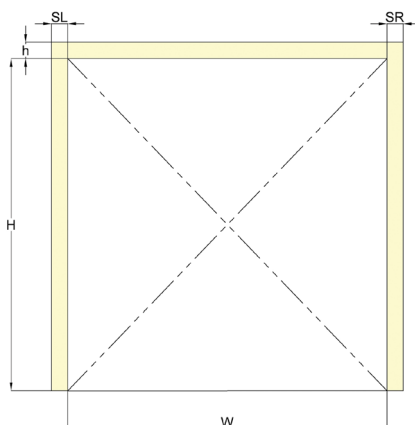
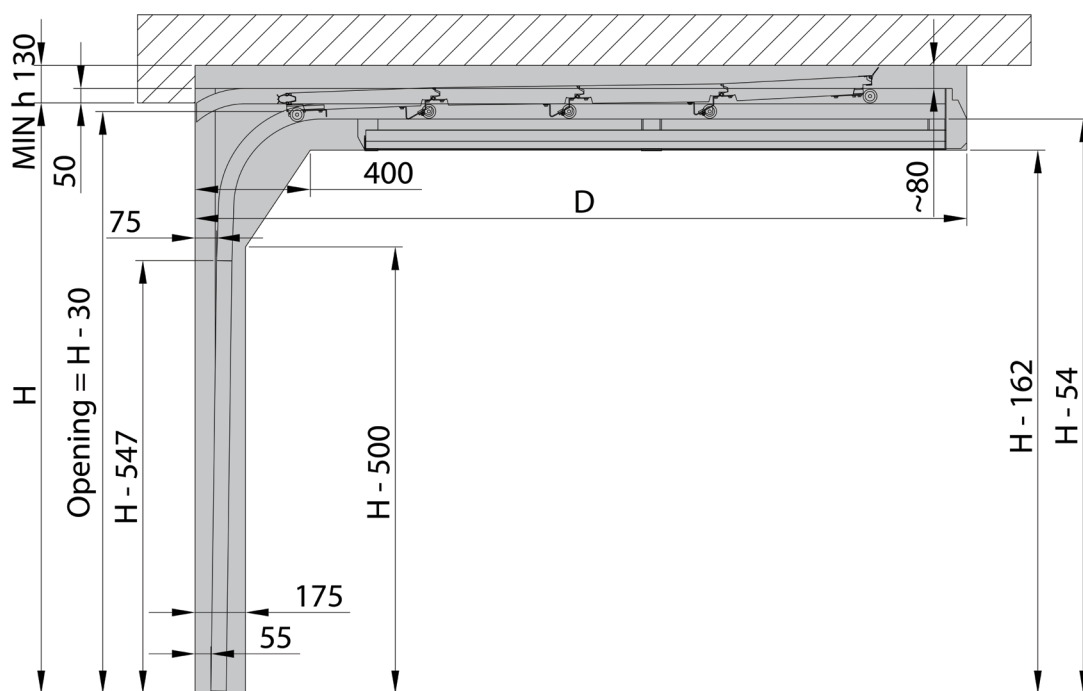
h (headroom)	130 (manual) 170 (with el. operator)
SL / SR (sideroom)	80
Daylight opening	H - 30 (with el. operator)

H	D
≤ 2070	2680
2071 - 2270	2880
2271 - 2400	3007
2401 - 2500	3260

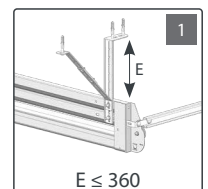
Number of required suspensions	
W ≤ 3000	1 suspension per side
W > 3000	2 suspensions per side



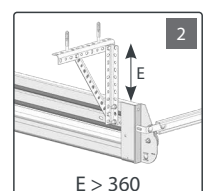
See page 18 for options to reduce required headroom and increase daylight opening.

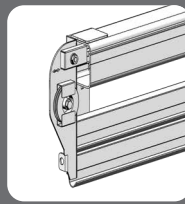


STANDARD



OPTIONAL





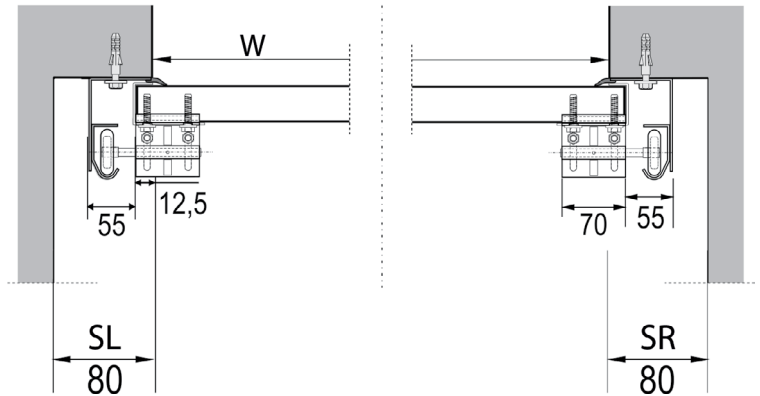
R60 - TM



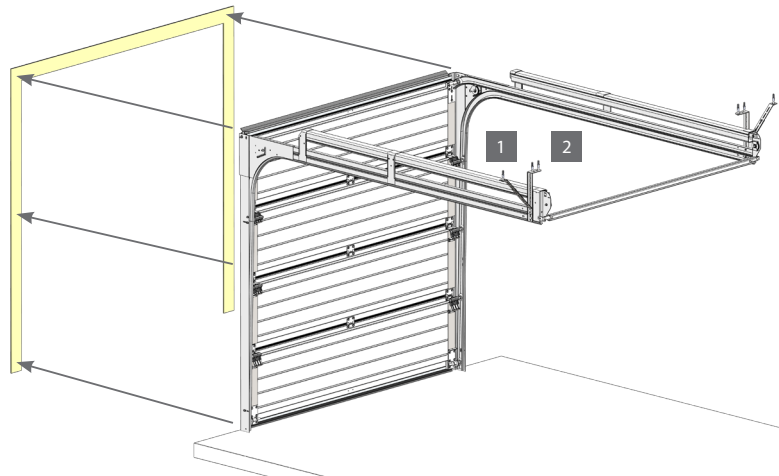
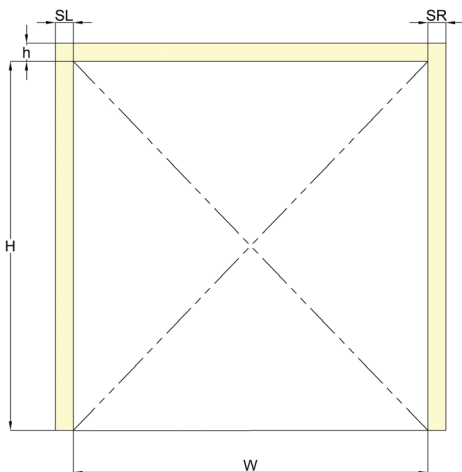
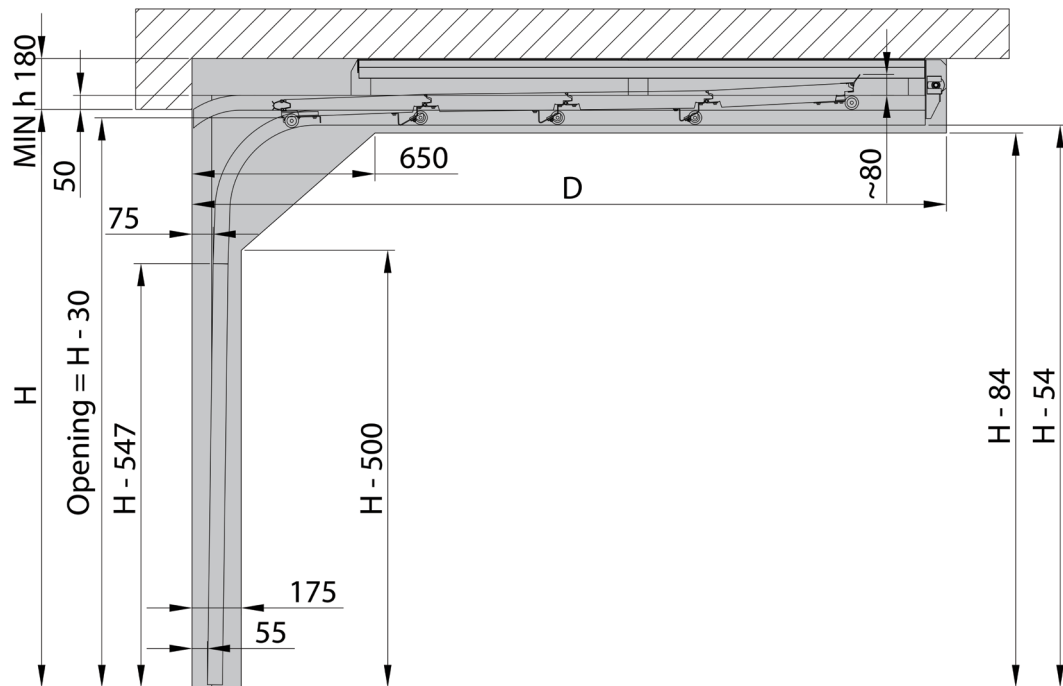
h (headroom)	180 (with el. operator or manual)
SL / SR (sideroom)	80
Daylight opening	H - 30 (with el. operator)

H	D
≤ 2125	2880
2126 - 2250	3007
2251 - 2500	3260

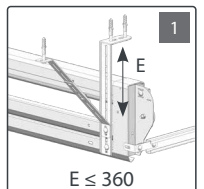
Number of required suspensions	
W ≤ 3000	1 suspension per side
W > 3000	2 suspensions per side



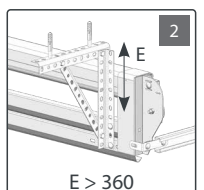
See page 18 for options to reduce required headroom and increase daylight opening.



STANDARD

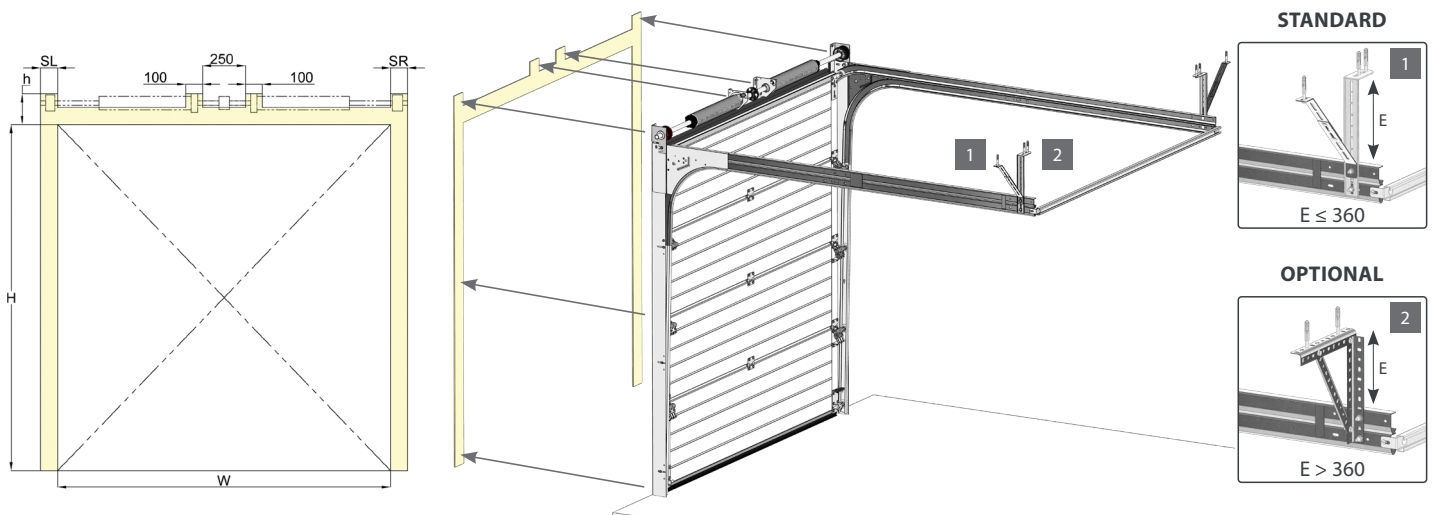
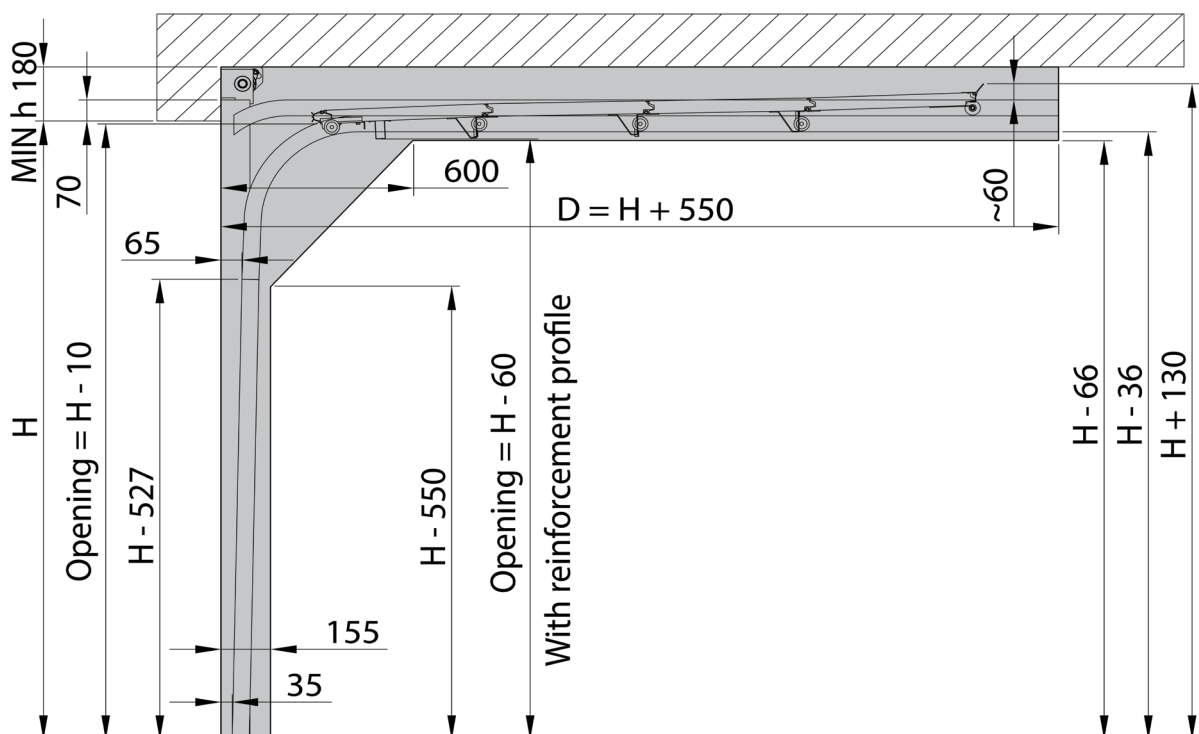
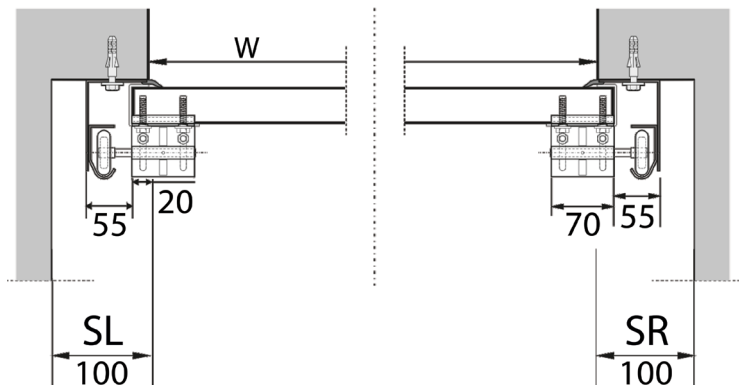


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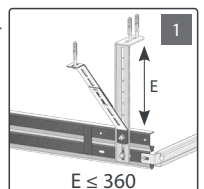


h (headroom)	180 (with el. operator and manual)
SL / SR (sideroom)	100
Daylight opening	H - 130 (manual) H - 10 (with el. operator) H - 60, W ≥ 4500 (with el. operator)
D (fitting depth)	H + 550

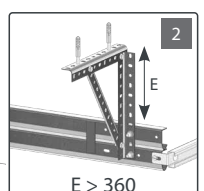
Number of required suspensions	
W ≤ 3000	1 suspension per side
W > 3000	2 suspensions per side



STANDARD

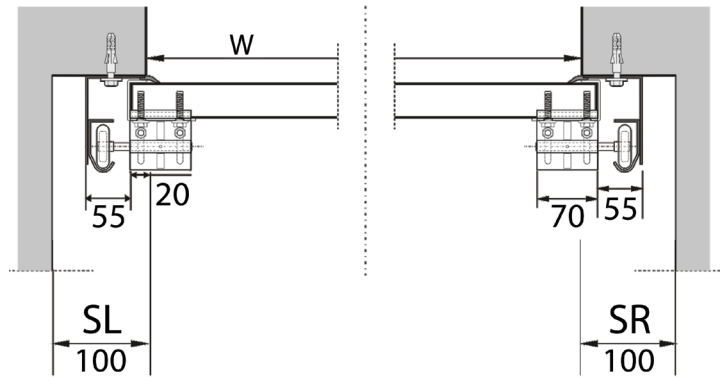


OPTIONAL

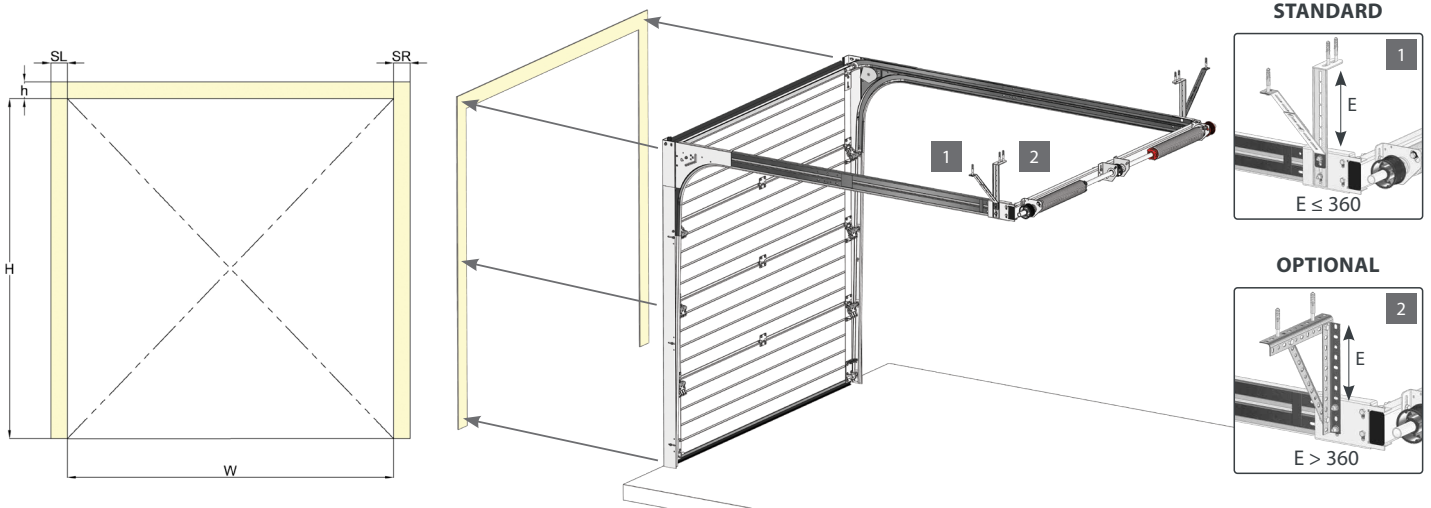
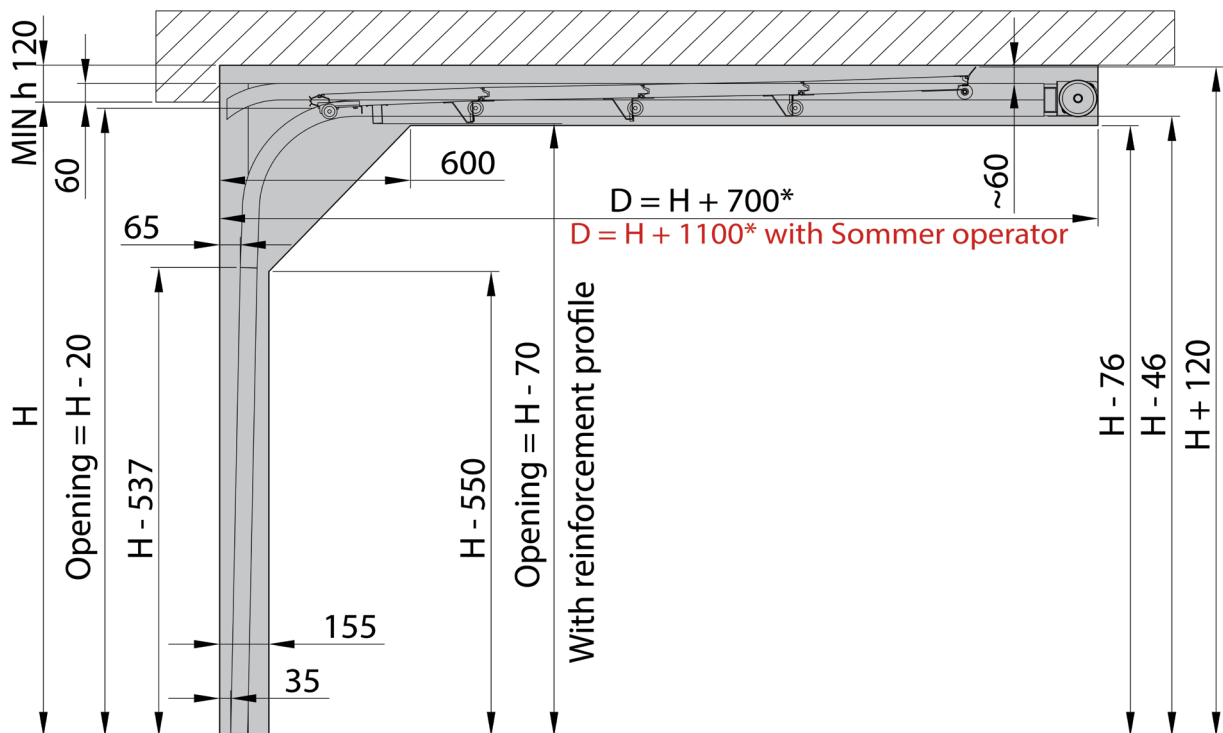


h (headroom)	120 (manual) 160 (with el. operator)
SL / SR (sideroom)	100
Daylight opening	H - 160 (manual) H - 20 (with el. operator) H - 70, W ≥ 4500 (with el. operator)
D (fitting depth)	H + 700 H + 1100 with Sommer operator

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

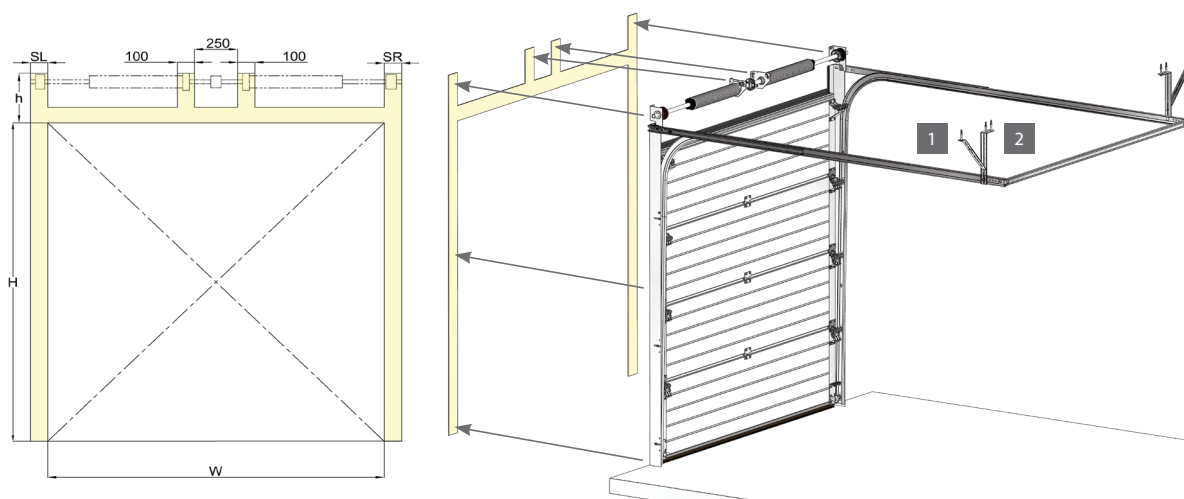
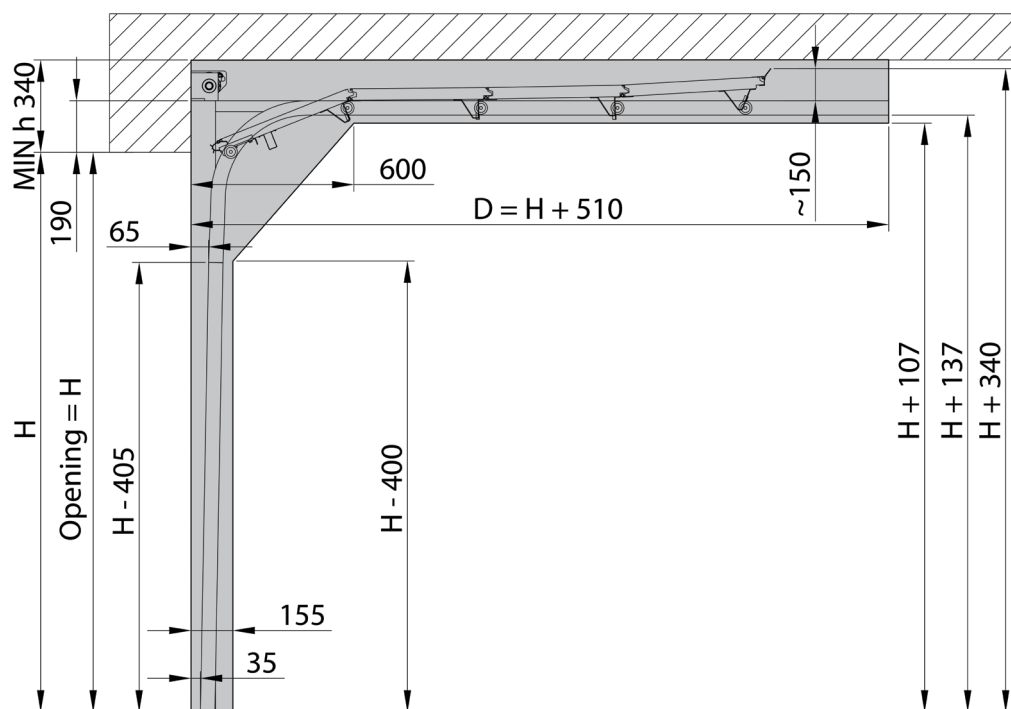
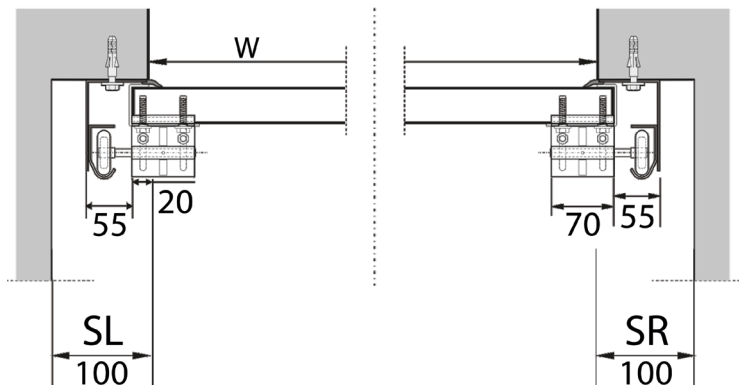


See page 18 for options to reduce required headroom and increase daylight opening.

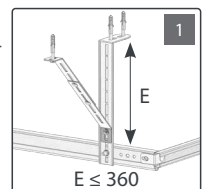


h (headroom)	340 (manual) 370 (with el. operator)
SL / SR (sideroom)	100
Daylight opening	H
D (fitting depth)	H + 510

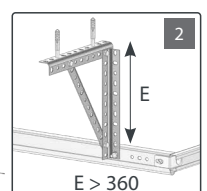
Number of required suspensions	
W ≤ 3000	1 suspension per side
W > 3000	2 suspensions per side



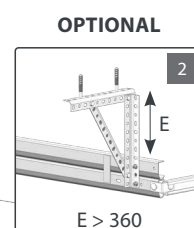
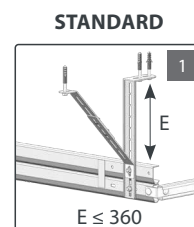
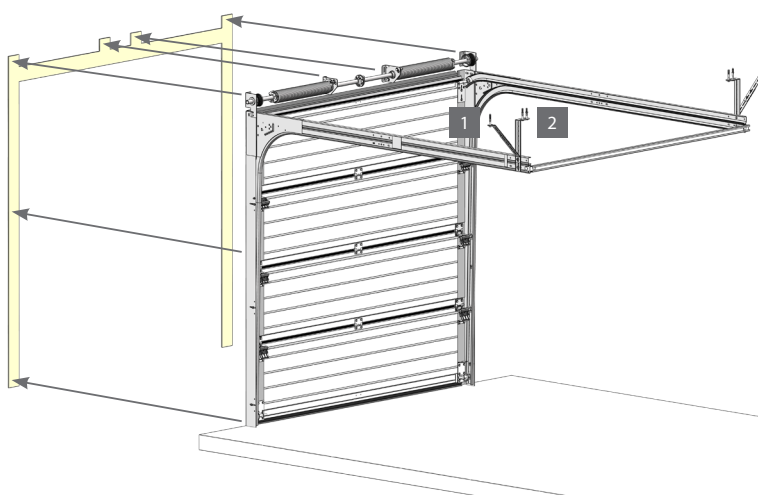
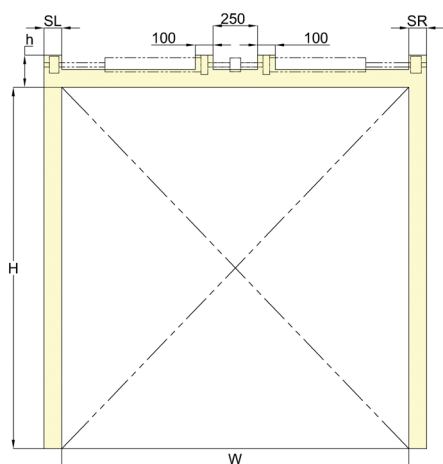
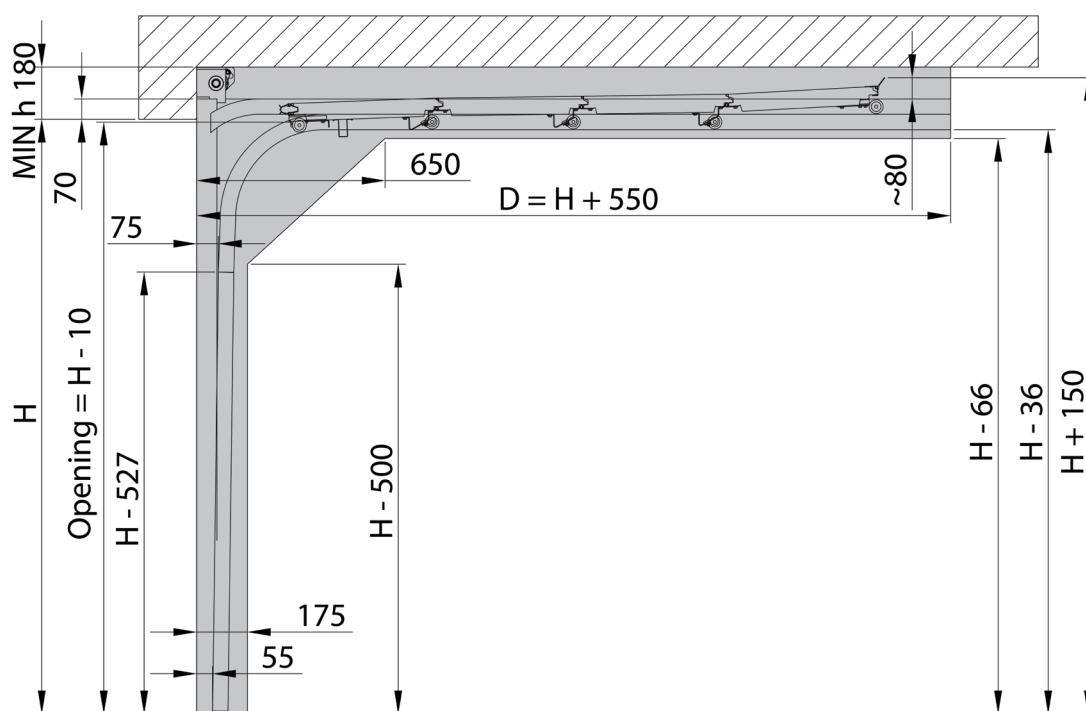
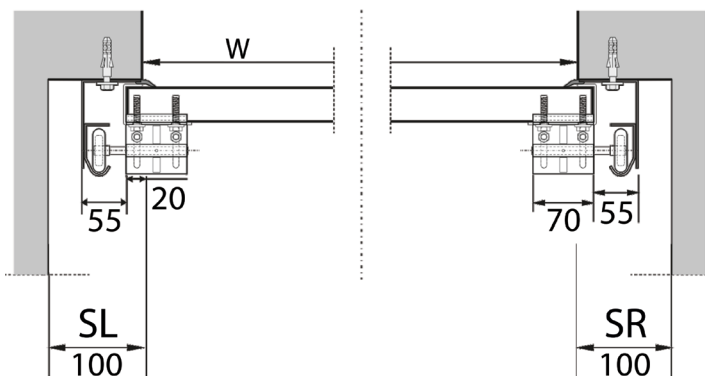
STANDARD



OPTIONAL



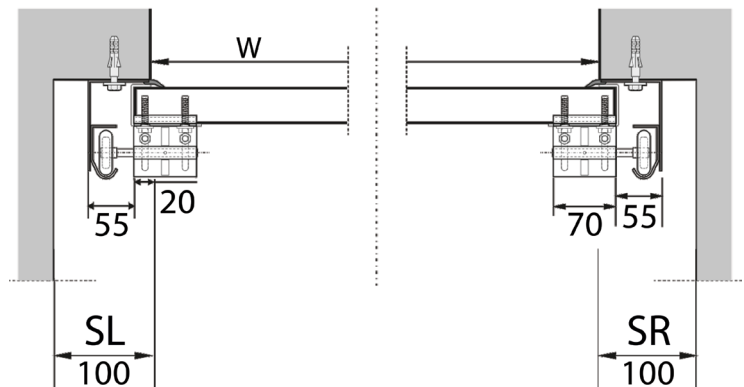
Number of required suspensions	
$W \leq 3000$	1 suspension per side
$W > 3000$	2 suspensions per side



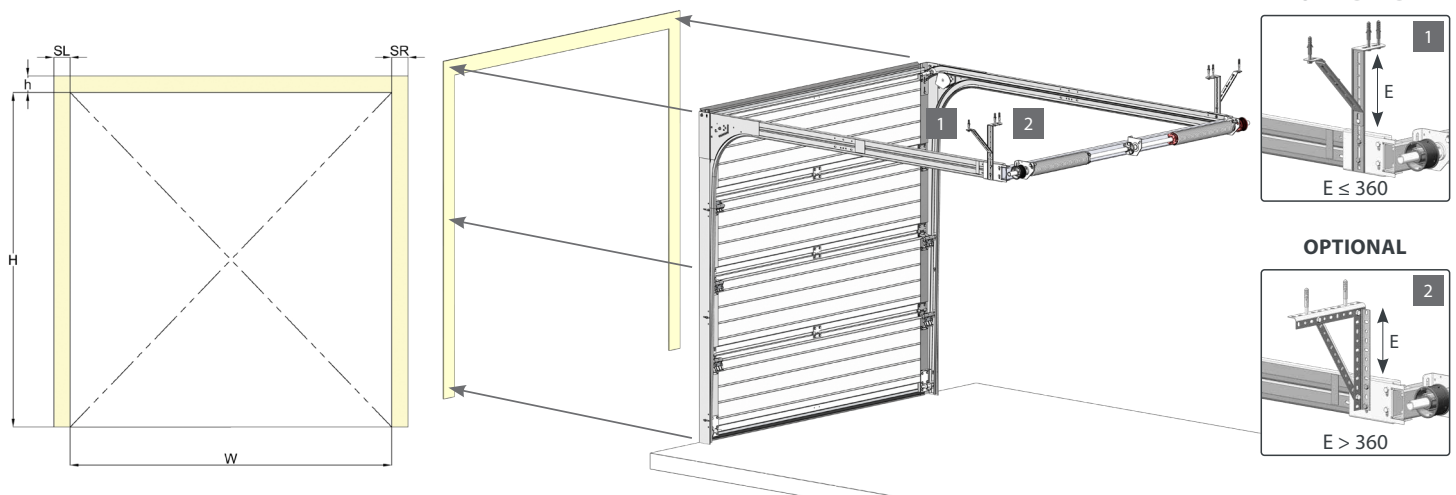
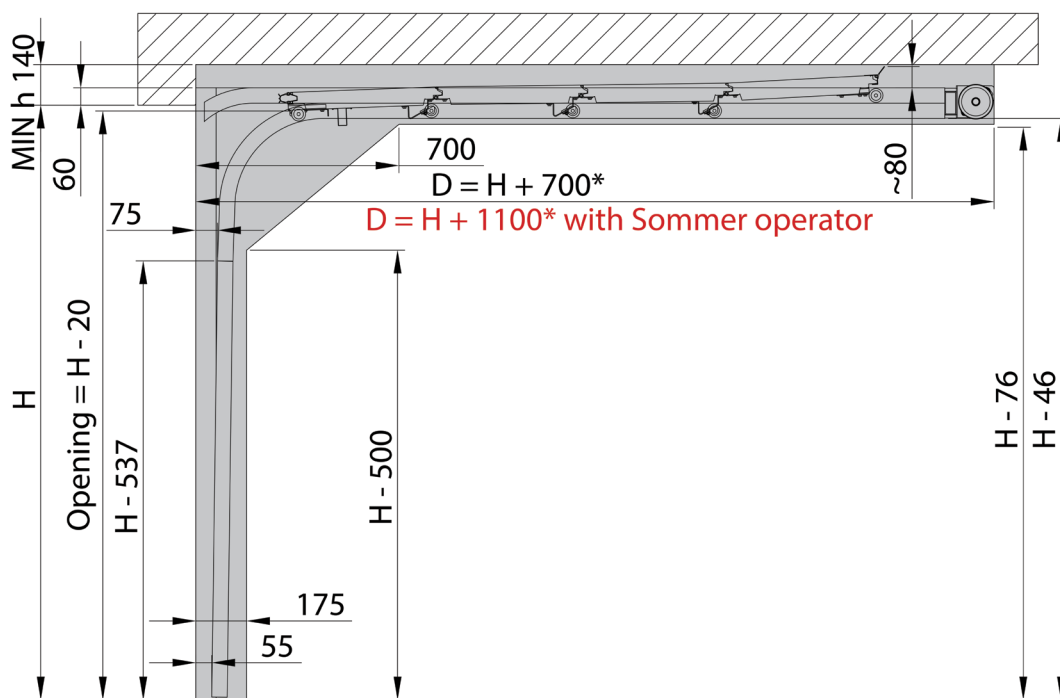
For $W > 5000$, consult the manufacturer regarding the quantity of springs.

h (headroom)	140 (manual) 180 (with el. operator)
SL / SR (sideroom)	100
Daylight opening	H - 160 (manual) H - 20 (with el. operator) H - 60, W ≥ 4500 (with el. operator)
D (fitting depth)	H + 700 H + 1100 with Sommer operator

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

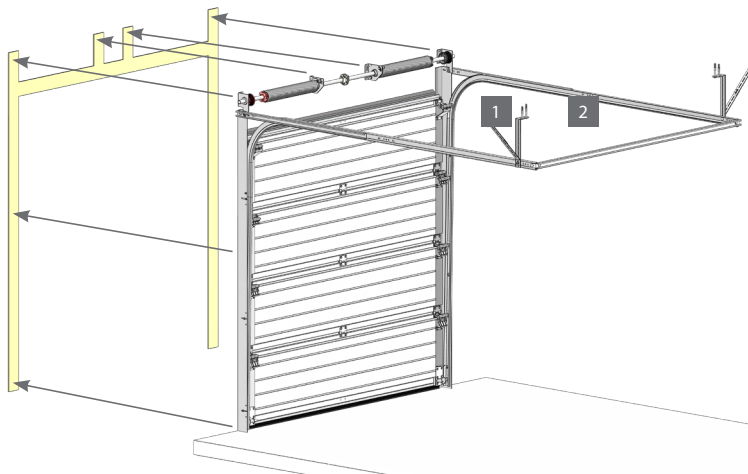
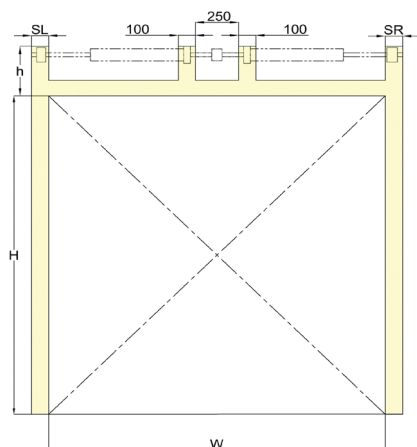
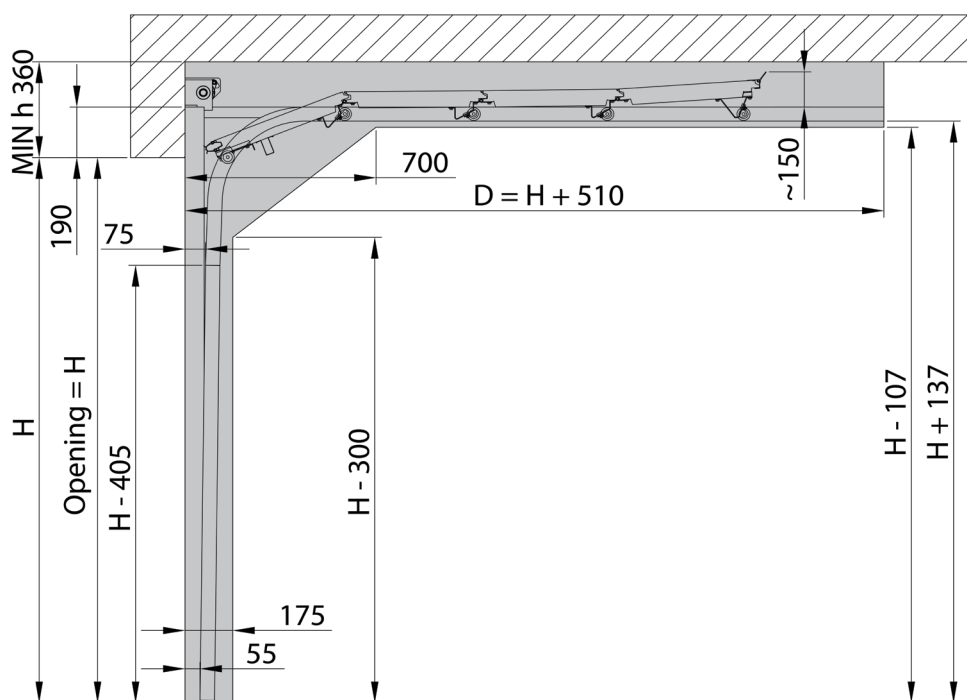
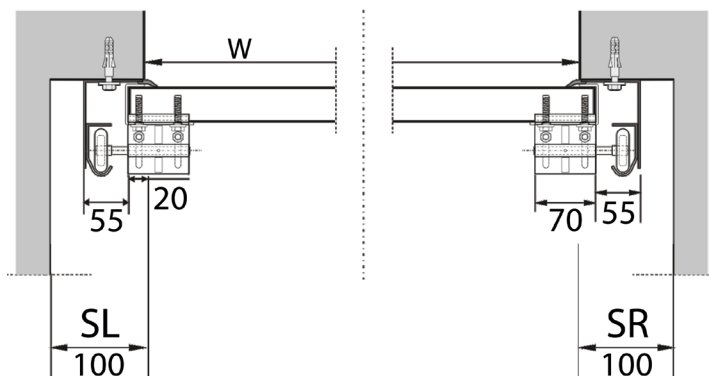


See page 18 for options to reduce required headroom and increase daylight opening.

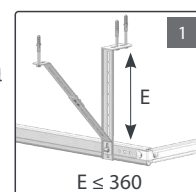


h (headroom)	360 (manual) 390 (with el. operator)
SL / SR (sideroom)	100
Daylight opening	H
D (fitting depth)	H + 510

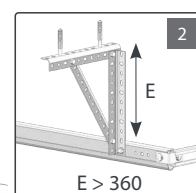
Number of required suspensions	
W ≤ 3000	1 suspension per side
W > 3000	2 suspensions per side



STANDARD



OPTIONAL



Additional options to reduce required headroom and increase daylight opening

Min headroom (mm)								
Equipment	Model							
	R40 SM		R40 UM		R40 TM		TL40 LHR-RM	
	Manual	Operator	Manual	Operator	Manual	Operator	Manual	Operator
Standard top brackets and top weather seal on panel	110	150	110	150	180	180	120	160
Standard top brackets and top weather seal on lintel	90	130	90	130	180	180	90	130
Top weather seal on lintel + LHR top brackets (18023)	70	110	-	-	180	180	80	120
Compact tracks* *Option available for doors up to (R40 3500, TL 4500) (opening width)	-	110 (70+40)	-	110 (70+40)	-	-	-	110 (70+40)*
Universal lock (22008)	95	-	95	-	180	-	105	-
Knob lock (22009)	100	-	100	-	180	-	110	-
With wicket door	-	-	-	-	-	-	105	-

Min headroom (mm)								
Equipment	Model							
	R60 SM		R60 UM		R60 TM		TL60 LHR-RM	
	Manual	Operator	Manual	Operator	Manual	Operator	Manual	Operator
Standard top brackets and top weather seal on panel	130	170	130	170	180	180	140	180
Standard top brackets and top weather seal on lintel	110	150	110	150	180	180	110	150
Top weather seal on lintel + LHR top brackets (18023)	90	130	-	-	180	180	100	140
Compact tracks	-	-	-	-	-	-	-	-
Universal lock (22008)	105	-	105	-	180	-	125	-
Knob lock (22009)	-	-	-	-	-	-	-	-
With wicket door	-	-	-	-	-	-	-	-

Max daylight opening (mm)							
Model							
R40 / R60 SM		R40 / R60 UM		R40 / R60 TM		TL40 / TL60 LHR-RM	
Manual	Operator	Manual	Operator	Manual	Operator	Manual	Operator
H-120	H-30	H-120	H-30	H-120	H-30	H-160	H-20 (W ≤ 4500) H-60 (W > 4500)

For full daylight opening use extended vertical tracks +30 (R40/R60 UM/SM/TM), +20 LHR-RM (W≤4500).

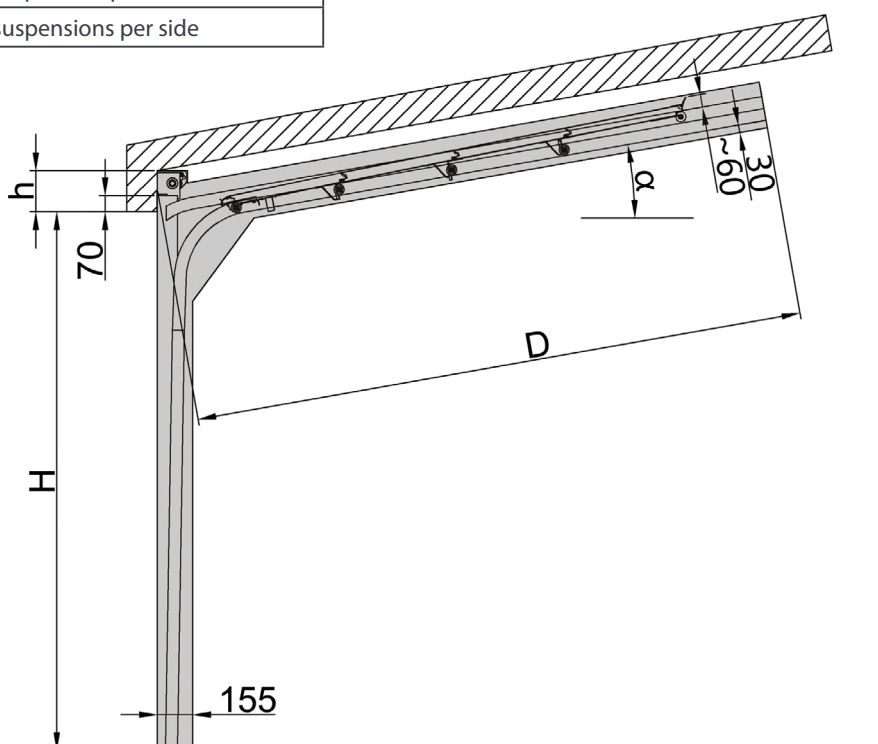
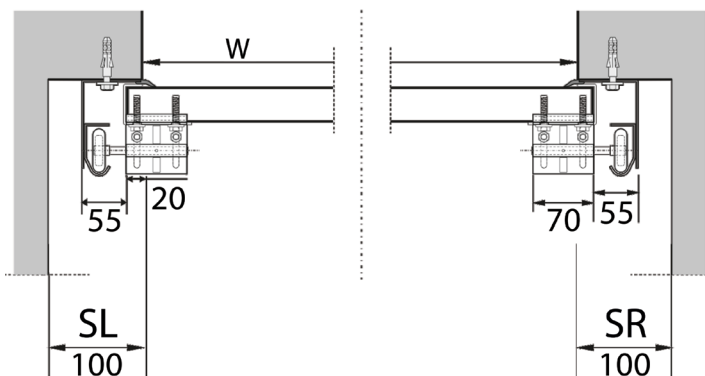
You need more headroom (+30 or +20) then required min headroom.

Fitting depth (mm)				
Opening H, mm	Model			
	R40 / R60 SM		R40 / R60 TM	
	R40 / R60 UM		TL40 / TL60 LHR-RM	
≤ 2070	2720		2680	
2071-2270	2920		2880	
2271-2400	3047		3007	
2401-2500	3300		3260	

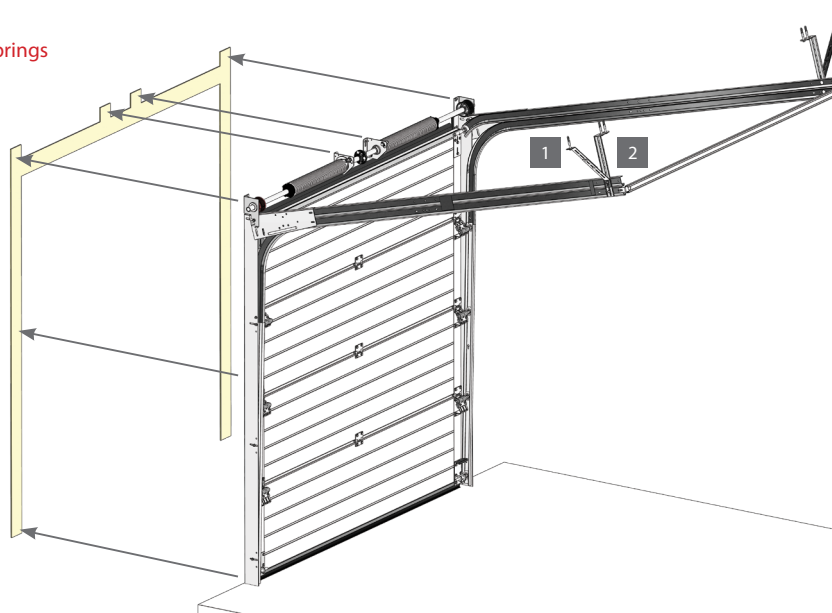
Min sideroom (mm)			
Model			
R40 / R60 SM	R40 / R60 UM	R40 / R60 TM	TL40 / TL60 LHR-RM
150	80	80	100

h (headroom)	Refer to page 22
SL / SR (sideroom)	100
Daylight opening	H - 130 (manual) H - 10 (with el. operator) H - 50, W ≥ 4500 (with el. operator)
D (fitting depth)	H + 550

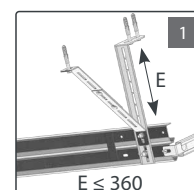
Number of required suspensions	
W ≤ 3000	1 suspension per side
W > 3000	2 suspensions per side



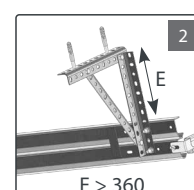
Regarding quantity of springs
consult manufacturer.



STANDARD

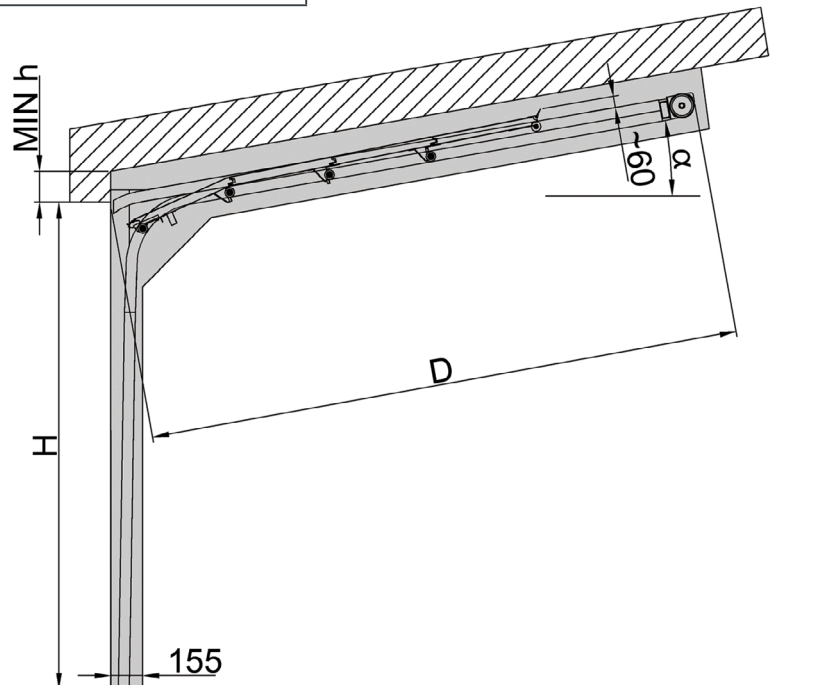
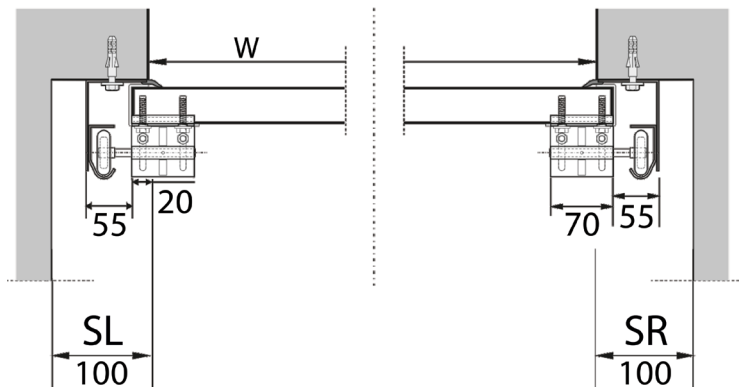


OPTIONAL

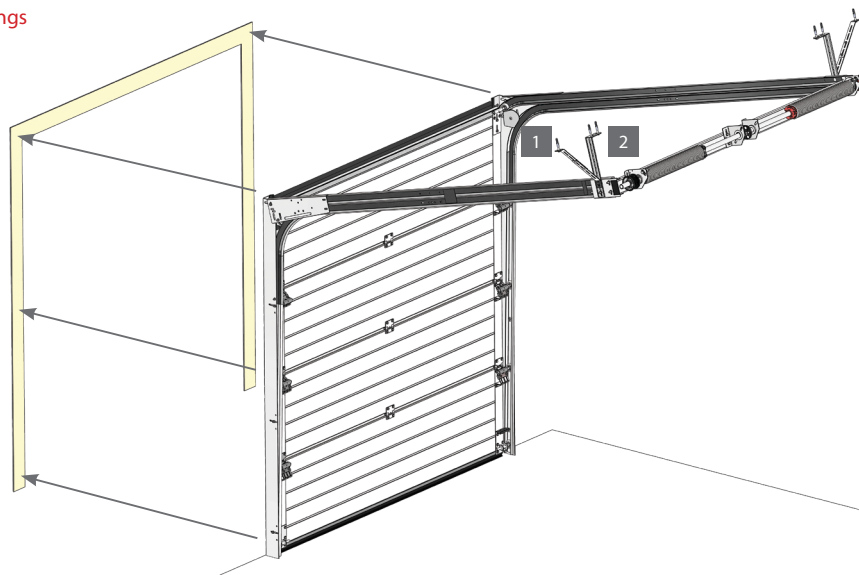


h (headroom)	120 (manual) $\alpha \leq 15^\circ$ 160 (with el. operator) $\alpha \leq 15^\circ$ *for bigger angle consult manufacturer
SL / SR (sideroom)	100
Daylight opening	H - 160 (manual) H - 20 (with el. operator) H - 60, W $\geq$ 4500 (with el. operator)
D (fitting depth)	H + 700 H + 1100 (with Sommer operator)

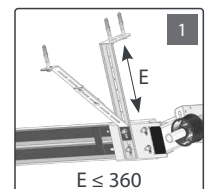
Number of required suspensions	
W $\leq$ 3000	1 suspension per side
W > 3000	2 suspensions per side



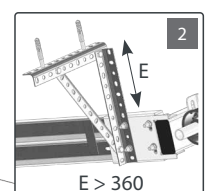
Regarding quantity of springs
consult manufacturer.



STANDARD

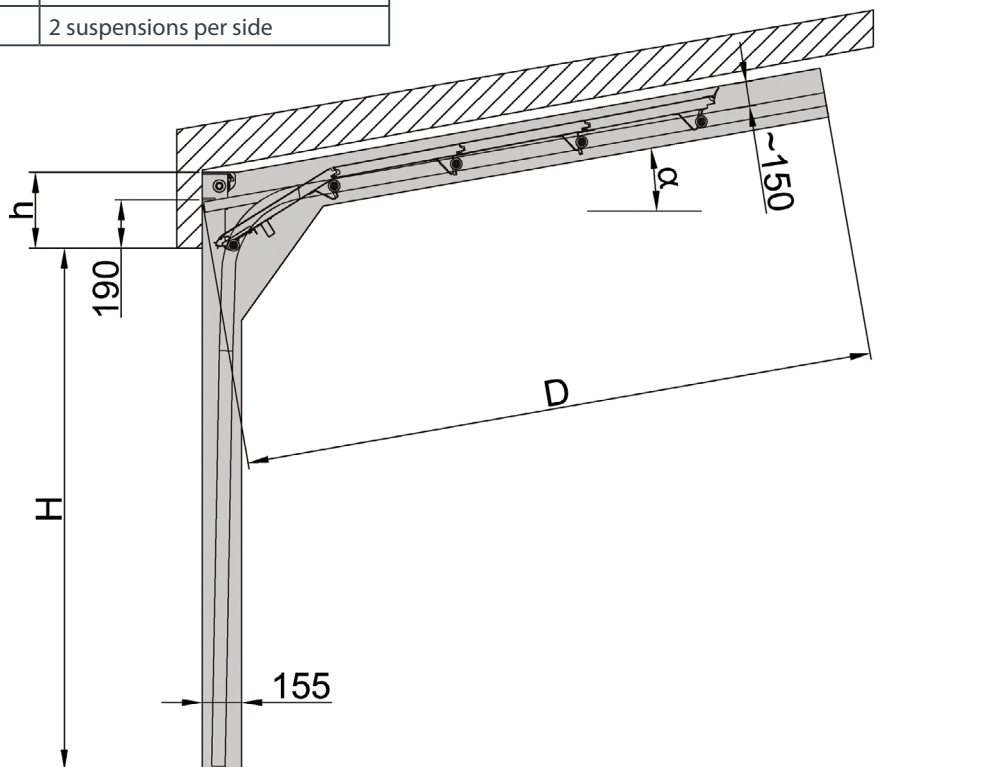
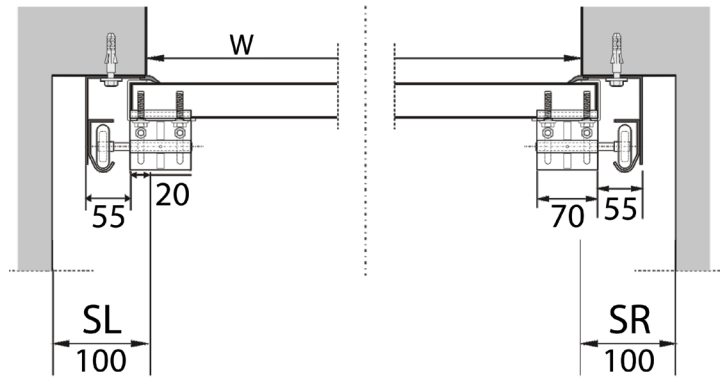


OPTIONAL

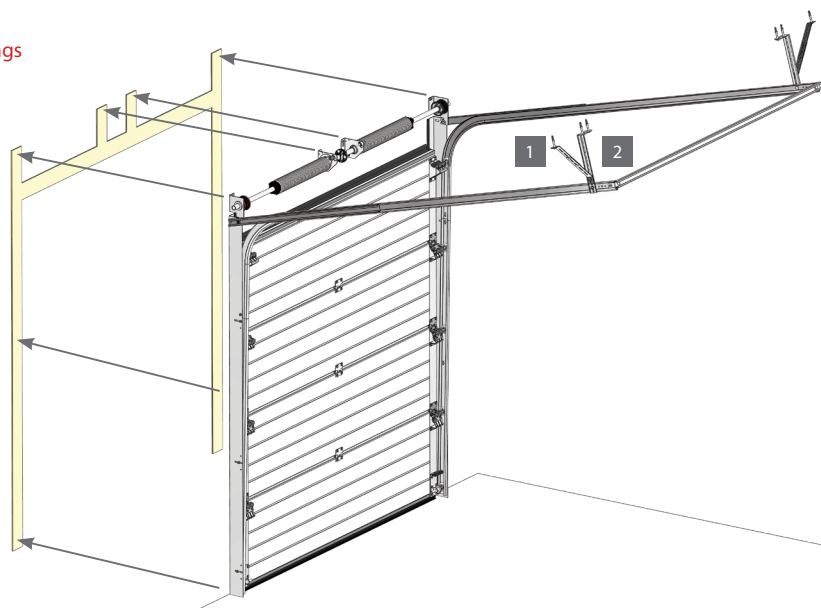


h (headroom)	Refer to page 22
SL / SR (sideroom)	100
Daylight opening	H
D (fitting depth)	H + 510

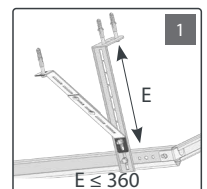
Number of required suspensions	
W ≤ 3000	1 suspension per side
W > 3000	2 suspensions per side



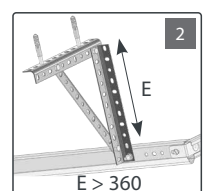
Regarding quantity of springs
consult manufacturer.



STANDARD



OPTIONAL



Door size, pitch angle and required headroom correlation



All sizes are for doors without operator.

TL40 Required headroom for doors with Woodgrain / Stucco panels										
	$\alpha \leq 10^\circ$		$10^\circ < \alpha \leq 15^\circ$		$15^\circ < \alpha \leq 20^\circ$		$20^\circ < \alpha \leq 25^\circ$		$25^\circ < \alpha \leq 30^\circ$	
	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM
$H \leq 2000$	340	180	340	180	340	180	340	180	370	270
$H \leq 2250$	340	180	340	180	340	180	340	180	370	270
$H \leq 2500$	340	180	340	180	340	180	340	180	370	270
$H \leq 2750$	340	180	340	180	370	270	370	270	370	270
$H \leq 3000$	340	180	340	180	370	270	370	270	370	270

TL40 Required headroom for doors with Woodgrain / Stucco panels and wicket door										
	$\alpha \leq 10^\circ$		$10^\circ < \alpha \leq 15^\circ$		$15^\circ < \alpha \leq 20^\circ$		$20^\circ < \alpha \leq 25^\circ$		$25^\circ < \alpha \leq 30^\circ$	
	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM
$H \leq 2000$	340	180	340	180	340	180	340	180	370	270
$H \leq 2250$	340	180	340	180	340	180	370	270	370	270
$H \leq 2500$	340	180	340	180	340	180	370	270	370	270
$H \leq 2750$	340	180	340	180	340	180	370	270	370	270
$H \leq 3000$	340	180	340	180	340	180	370	270	370	270

TL40 Required headroom for doors with smooth (SLICK type) panels										
	$\alpha \leq 10^\circ$		$10^\circ < \alpha \leq 15^\circ$		$15^\circ < \alpha \leq 20^\circ$		$20^\circ < \alpha \leq 25^\circ$		$25^\circ < \alpha \leq 30^\circ$	
	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM
$H \leq 2000$	340	180	340	180	340	180	340	180	340	180
$H \leq 2250$	340	180	340	180	340	180	340	180	370	270
$H \leq 2500$	340	180	340	180	340	180	370	270	370	270
$H \leq 2750$	340	180	340	180	340	180	370	270	370	270
$H \leq 3000$	340	180	340	180	340	180	370	270	370	270

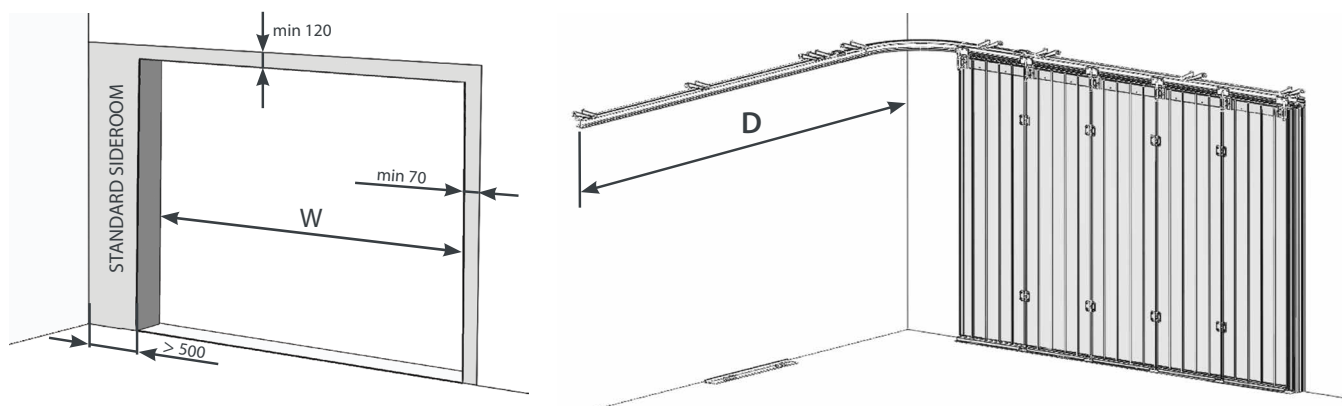
TL40 Required headroom for doors with smooth (SLICK type) panels and wicket door										
	$\alpha \leq 10^\circ$		$10^\circ < \alpha \leq 15^\circ$		$15^\circ < \alpha \leq 20^\circ$		$20^\circ < \alpha \leq 25^\circ$		$25^\circ < \alpha \leq 30^\circ$	
	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM
$H \leq 2000$	340	180	340	180	340	180	340	180	340	180
$H \leq 2250$	340	180	340	180	340	180	340	180	370	270
$H \leq 2500$	340	180	340	180	340	180	370	270	370	270
$H \leq 2750$	340	180	340	180	370	270	370	270	370	270
$H \leq 3000$	340	180	340	180	370	270	370	270	370	270

TL60 Required headroom for doors with smooth (SLICK type) panels										
	$\alpha \leq 10^\circ$		$10^\circ < \alpha \leq 15^\circ$		$15^\circ < \alpha \leq 20^\circ$		$20^\circ < \alpha \leq 25^\circ$		$25^\circ < \alpha \leq 30^\circ$	
	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM	STD	LHR-FM
$H \leq 2000$	360	180	360	180	360	180	360	180	390	270
$H \leq 2250$	360	180	360	180	360	180	360	180	390	270
$H \leq 2500$	360	180	360	180	390	270	390	270	390	270
$H \leq 2750$	360	180	360	180	390	270	390	270	390	270
$H \leq 3000$	360	180	360	180	390	270	390	270	390	270

Side sliding sectional doors SSD



STANDARD SIDEROOM



SMALL SIDEROOM

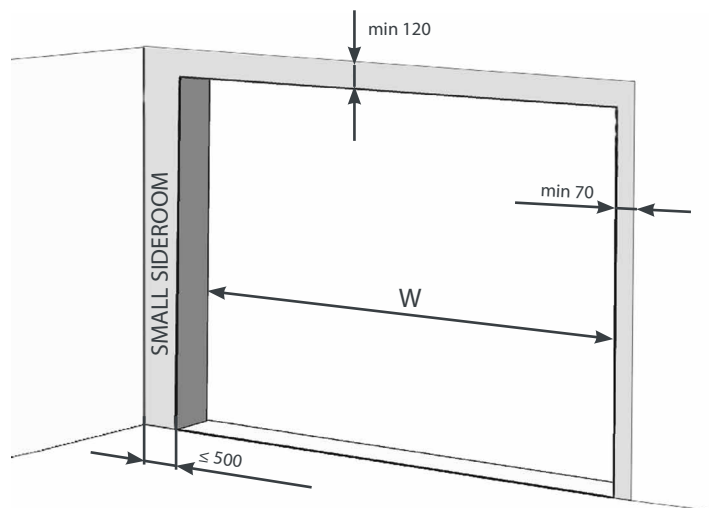
Sideroom*	Radius	Arm	D	Operator fitting place***
150 - 200	R520	R520 + ARM L = 1000	W + 1250	Side wall only
201 - 300	R520	R520 + ARM L = 600	W + 800	Side wall
301 - 500	R520	R520 + ARM L = 400	W + 600	Side wall
> 500	R420	-	W + 100	Lintel

*Min sideroom on opening side (for manual operator min 200 required).

**Max 500 sideroom with operator on the side wall.

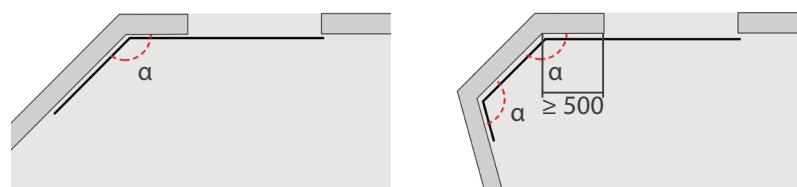
***Operator movement range must be longer than W, if standard rail is too short use additional rail extensions.

****Sideroom for a different distance, consult the manufacturer regarding the specific operator.

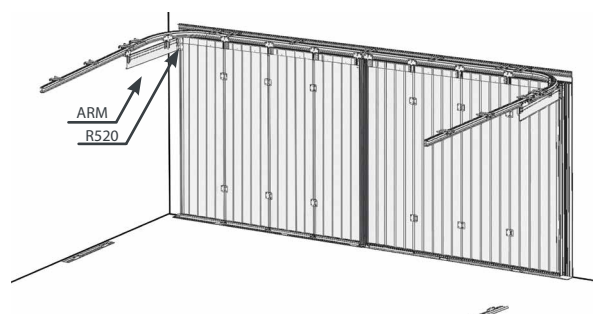
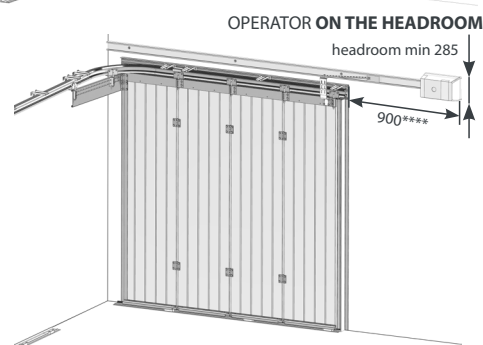
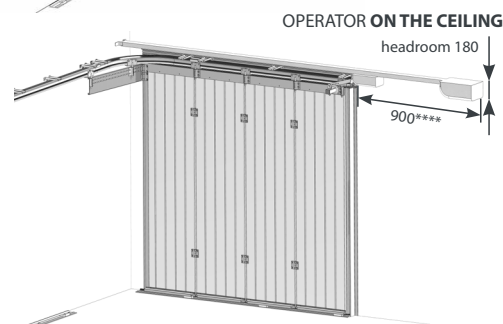
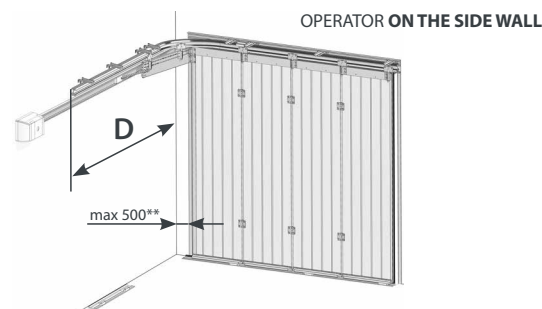


Single door
H = max 3000, W = max 6000

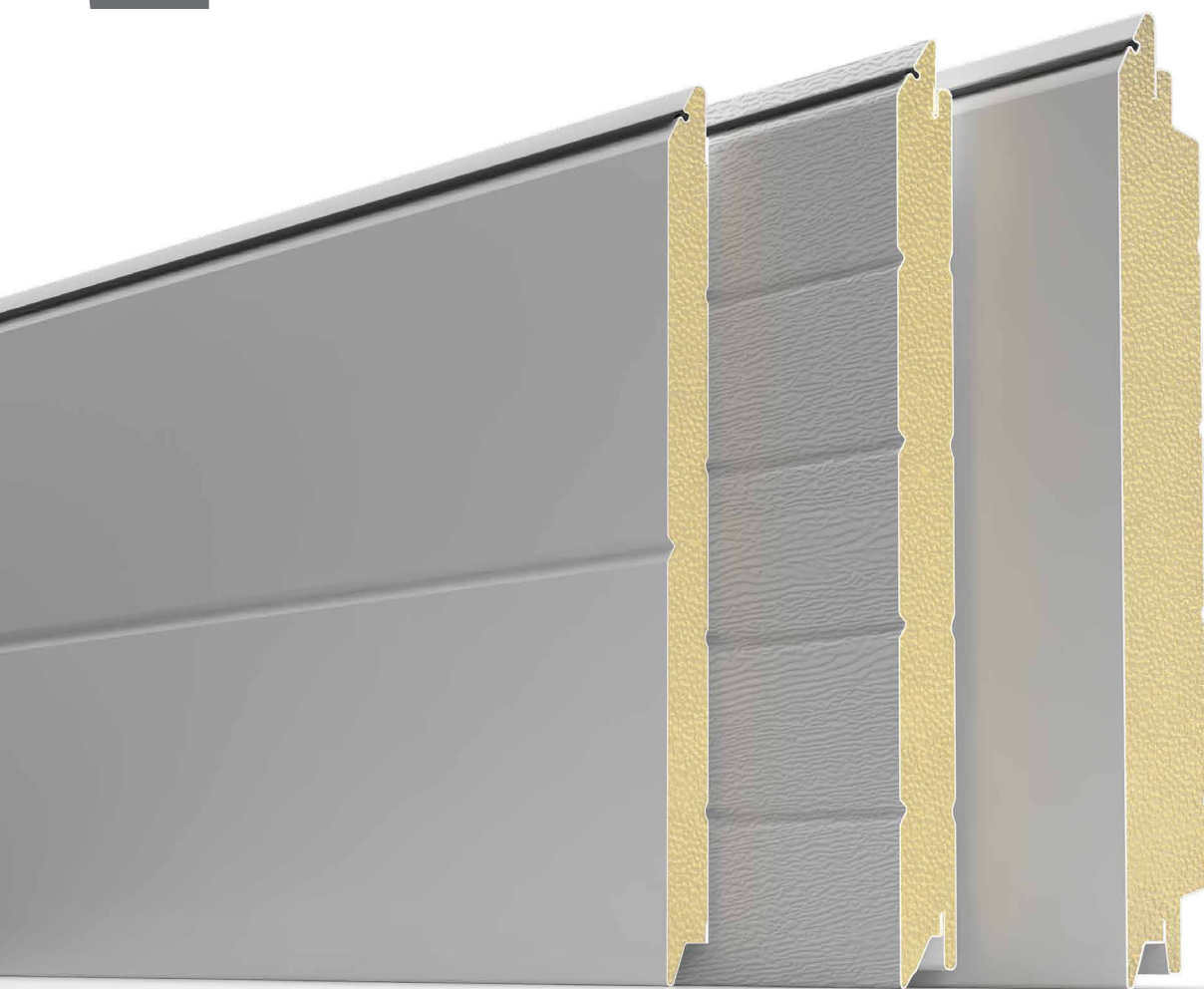
Angle ranges
$\alpha = \text{min } 85^\circ, \text{max } 180^\circ$



All dimensions are given in millimetres (mm).

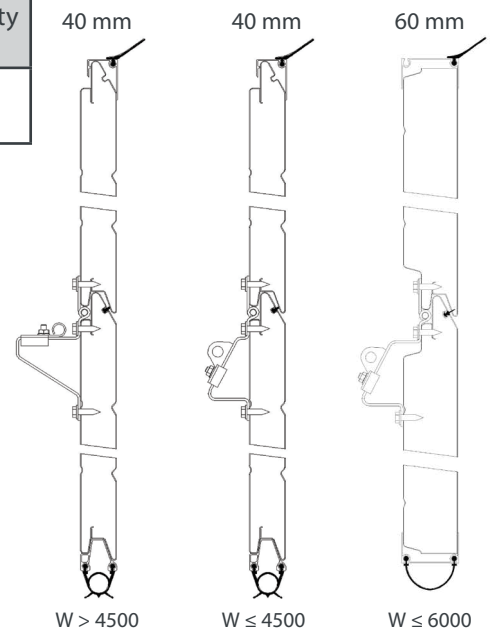
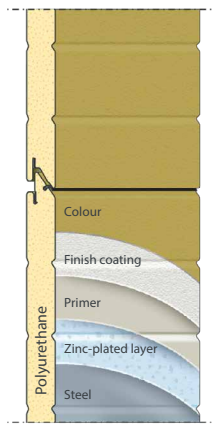
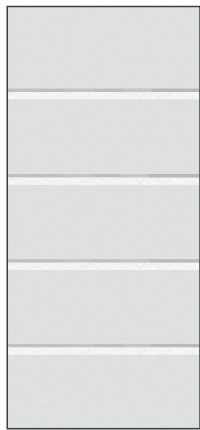


PANELS



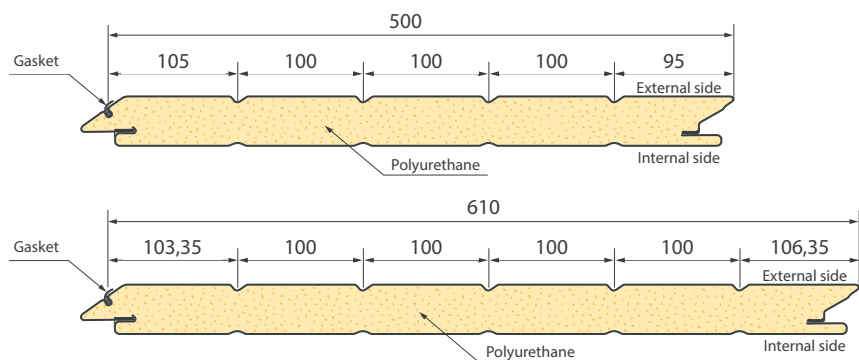
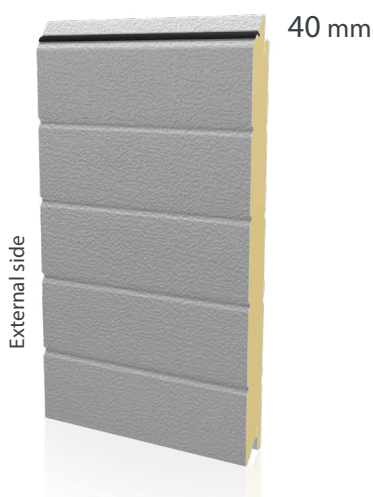
Panel type	S (mm)	Panel weight		Tolerances			U value
		Kg/m	Kg/m ²	Thickness	Width	Length	W/m ² K
R - 500	40	4,74	9,5	+/- 2	+/- 1	+/- 5	0,53
R - 610		5,65	9,3				
R - 500	60	6,49	12,9				0,36
R - 610		7,85	12,9				

Section type*	U value (W/m ² K)	Wind load resistance class	Water penetration class	Air permeability class
Sandwich	0,93 - 1,5	5	3	2

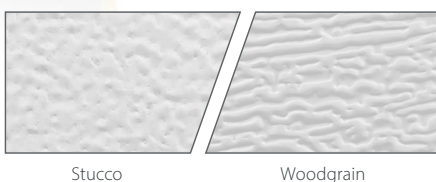


All panels internal side - ribbed, Stucco embossed RAL 9002.

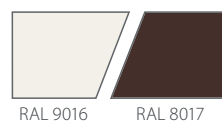
RIB



Surface textures



Standard colours



Other painted colours similar to RAL palette *

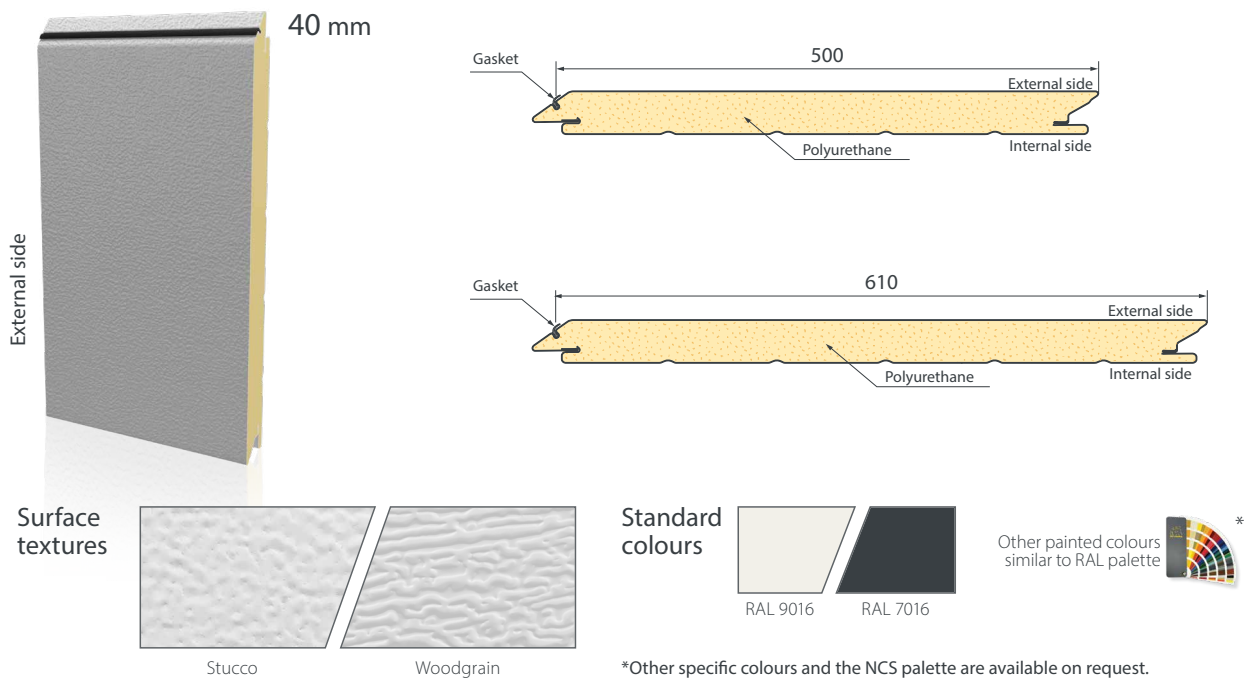


Exact door classifications are calculated for each door individually and may differ from the numbers listed above. The precise values depend on the specific size and configuration of each door.

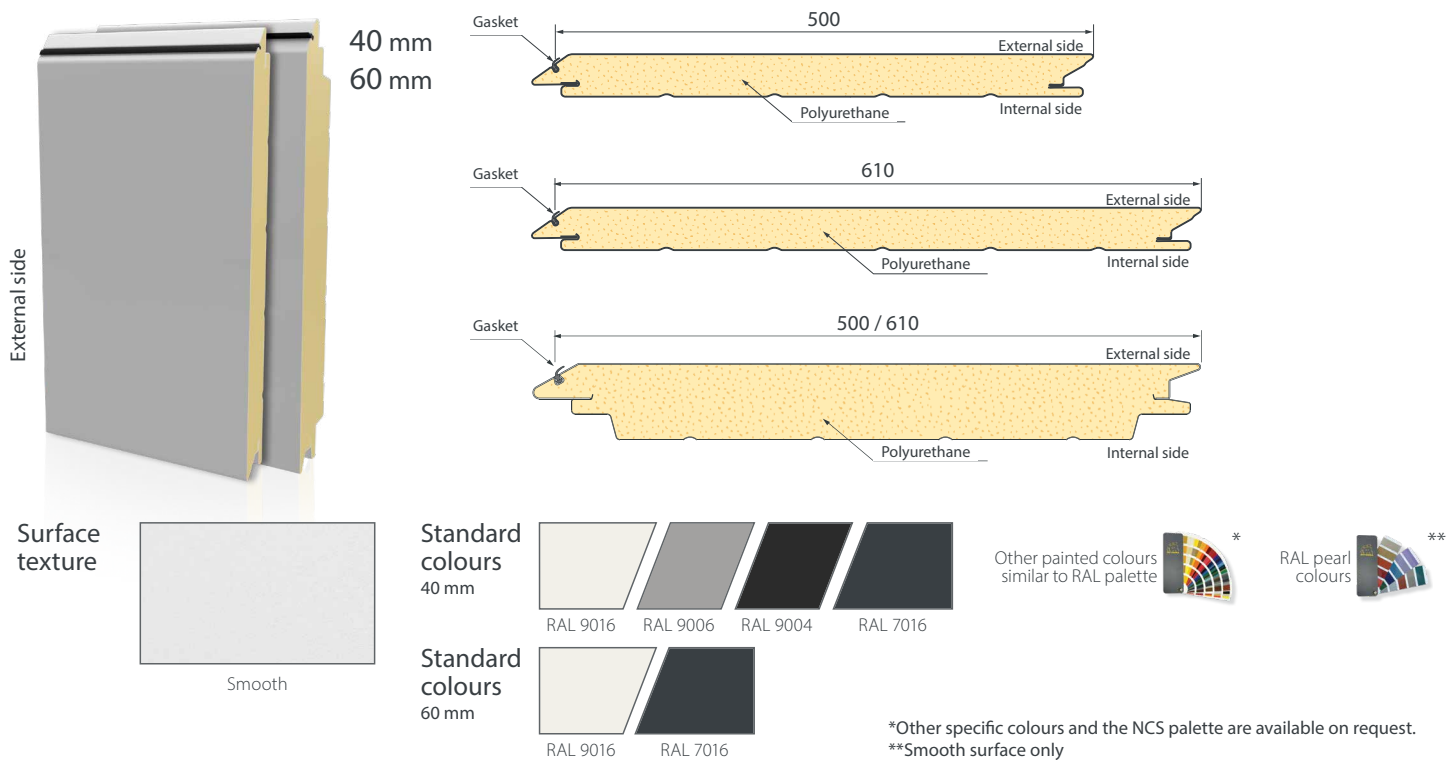
*Other specific colours and the NCS palette are available on request.

All dimensions are given in millimetres (mm).

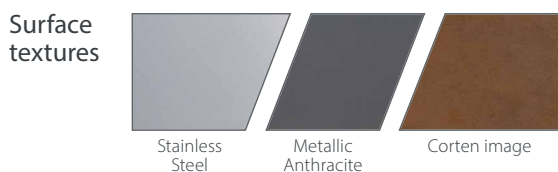
FLUSH



SLICK



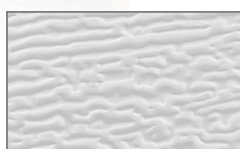
SLICK PLUS



GEORGIAN (CASSETTE)



Surface texture



Woodgrain

Standard colours

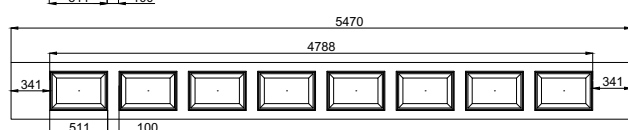
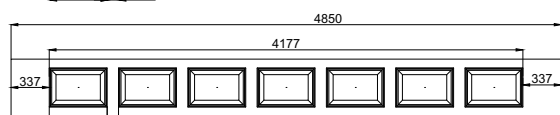
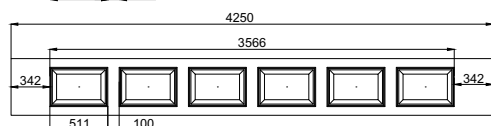
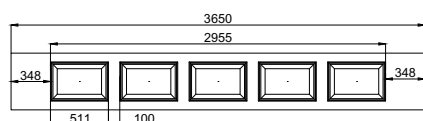
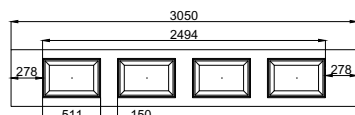
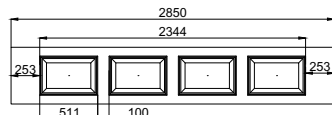
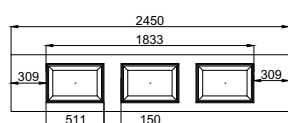
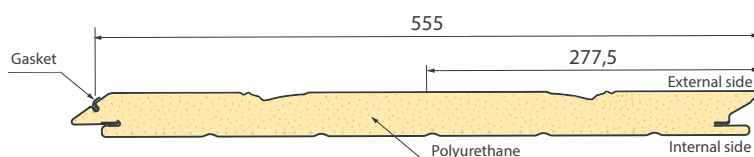
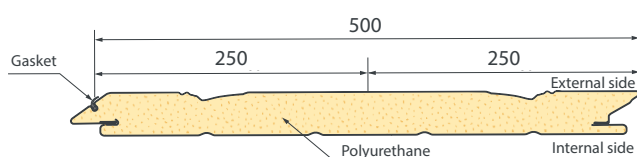


RAL 9016

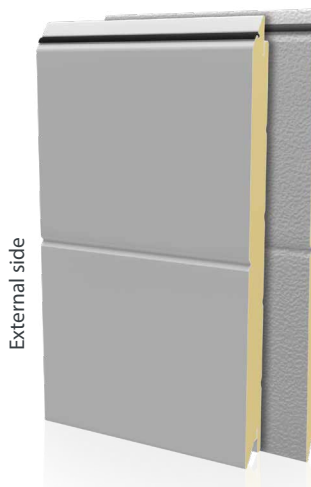
Other painted colours similar to RAL palette



*Other specific colours and the NCS palette are available on request.

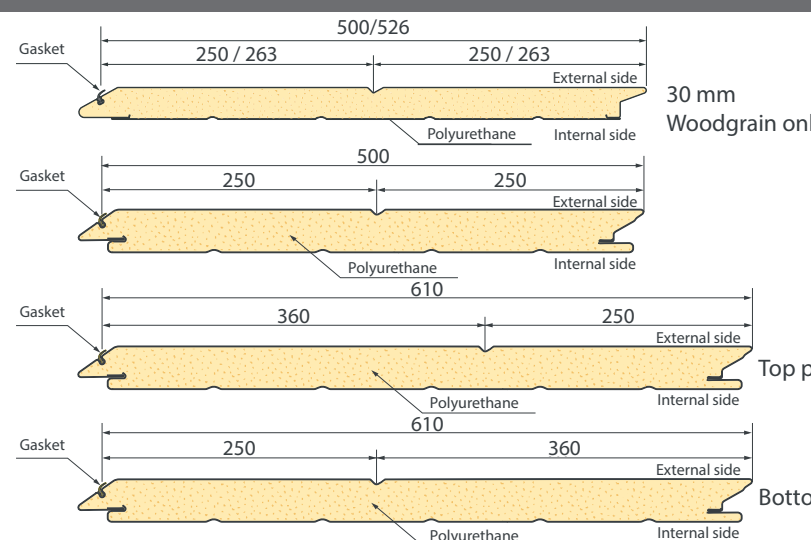


MIDRIB



External side

40 mm
30 mm

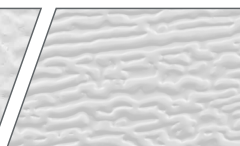


30 mm
Woodgrain only

Top panel

Bottom panel

Surface textures


Stucco Woodgrain Smooth

Standard colours 40 mm






RAL 9016 Stucco RAL 8017 Woodgrain RAL 7016 Woodgrain RAL 6009 Woodgrain

Wood images

Smooth








Light Oak Golden Oak Old Oak Dark Oak Mahogany Winchester

Standard colours 30 mm



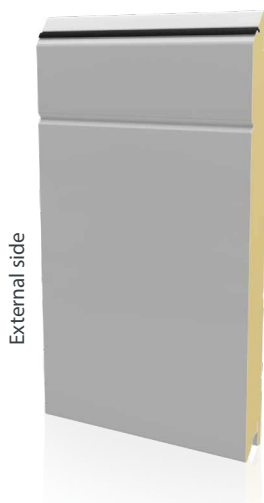

RAL 9016 Woodgrain RAL 7016 Woodgrain

Other painted colours similar to RAL palette *

RAL pearl colours **

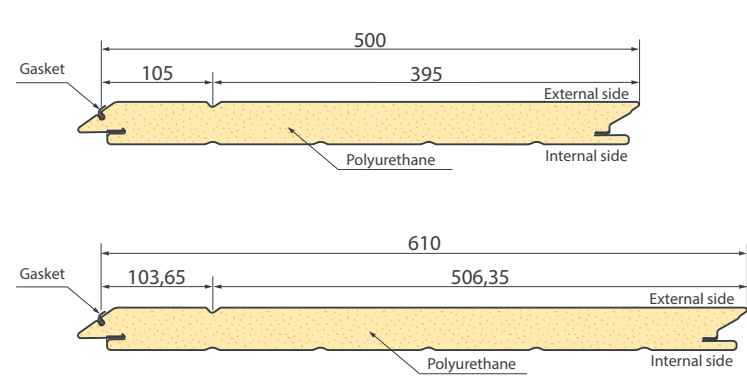
*Other specific colours and the NCS palette are available on request.
**Smooth surface only.

TOPRIB

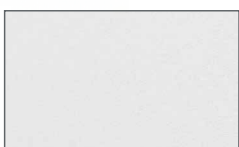


External side

40 mm



Surface texture



Smooth

Standard colours



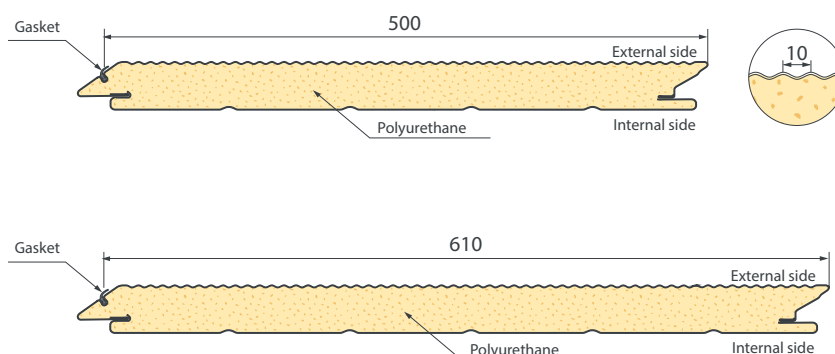
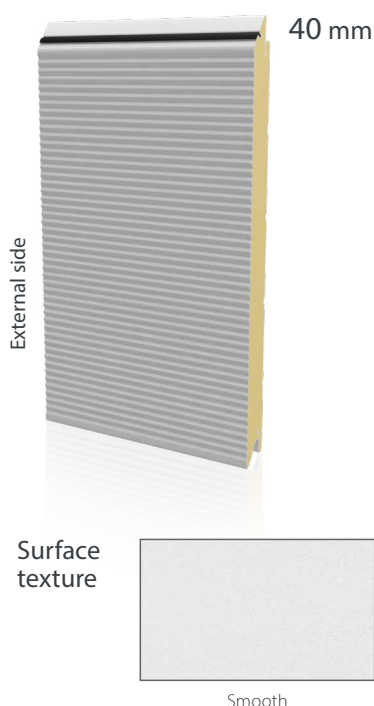

RAL 9016 RAL 7016

Other painted colours similar to RAL palette *

RAL pearl colours **

*Other specific colours and the NCS palette are available on request.
**Smooth surface only.

MICRORIB



Standard colours



Other painted colours similar to RAL palette

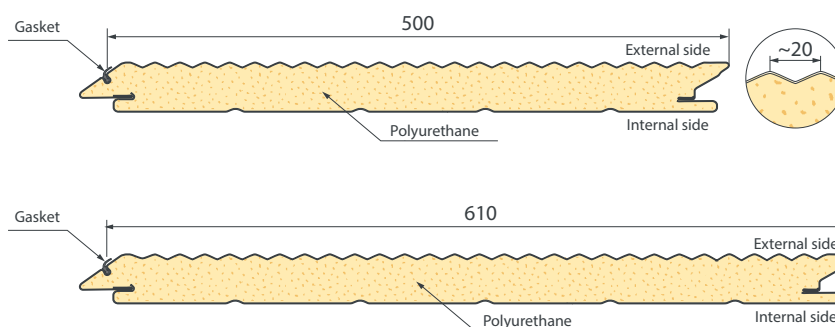
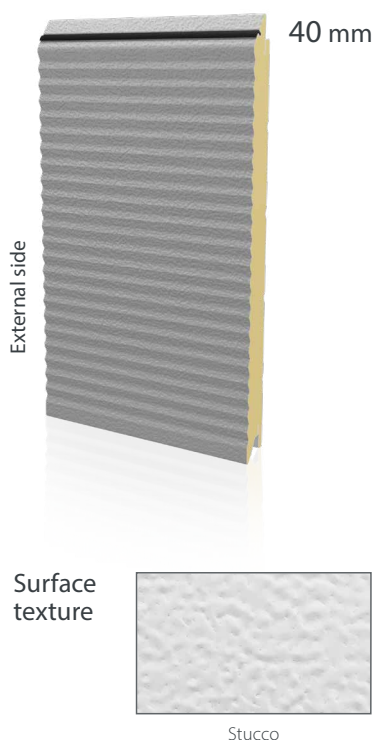


RAL pearl colours



*Other specific colours and the NCS palette are available on request.
**Smooth surface only.

MACRORIB



Standard colours



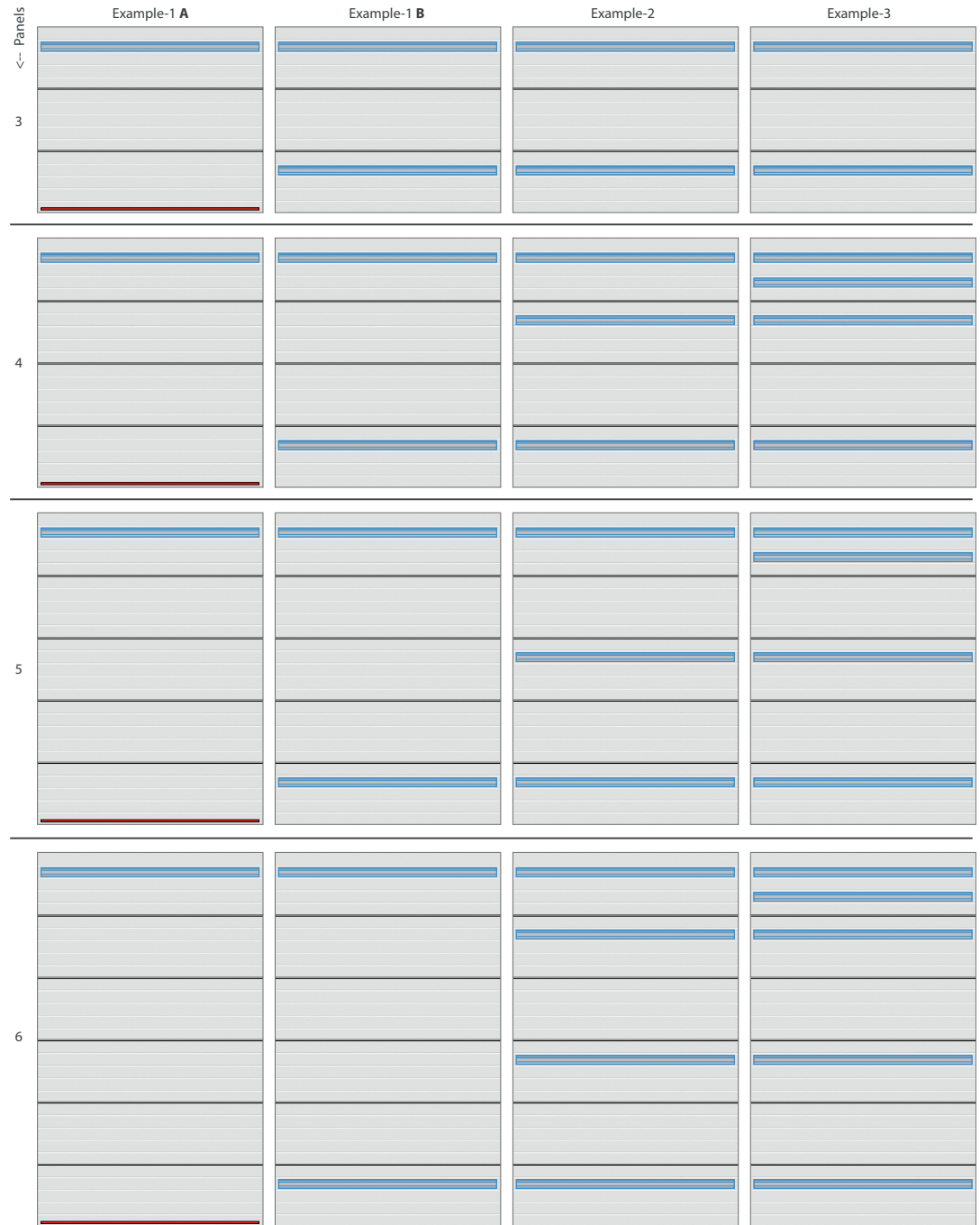
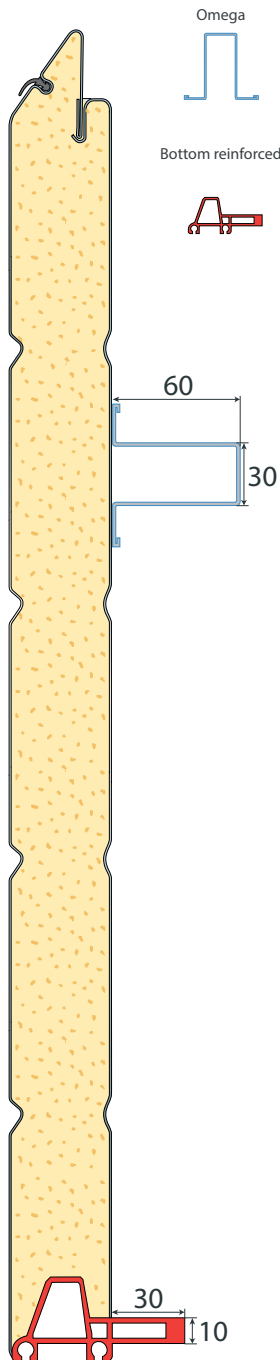
Other painted colours similar to RAL palette



*Other specific colours and the NCS palette are available on request.

Reinforcement profiles on sandwich panels

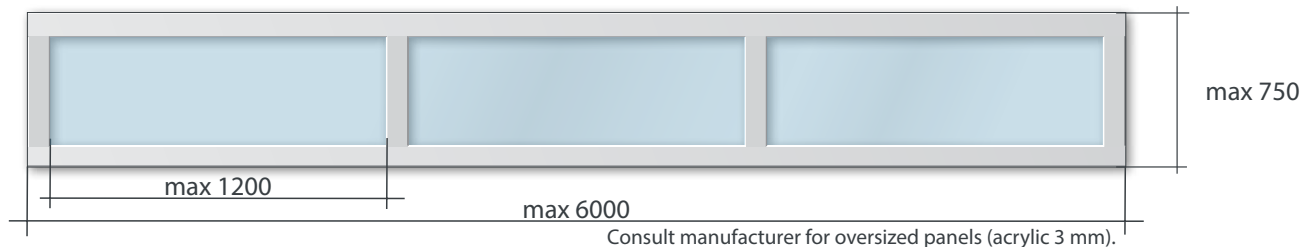
Opening width, W	Profile type	Example No.		Main location on panel	Quantity of reinforcements
$W \leq 4500$	-	-		-	-
$4500 < W \leq 5000$	Bottom reinforced + omega	1-A	'Example No. 1-A' is used by default. For cut bottom panel use 'Example No. 1-B'	Top of panel (for omega)	$1 + 1 = 2$
	Omega	1-B		Top of panel	2
$5000 < W \leq 5500$	Omega	2		Top partition of panel	On every second door panel
$5500 < W \leq 6000$	Omega	3		Top of panel	On every second door panel + 1 on top



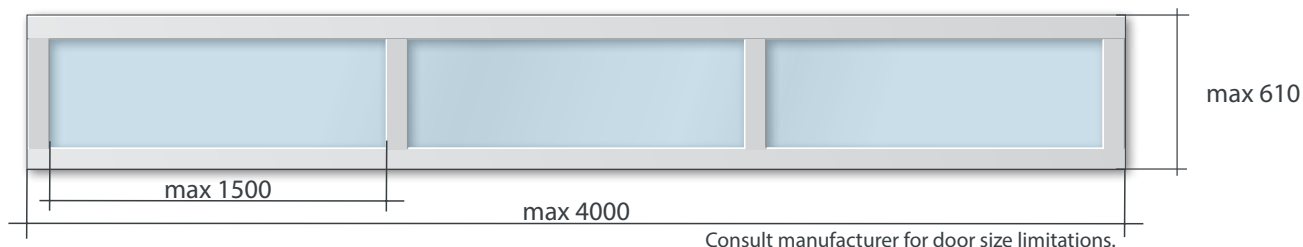
PROFILE FIXING POINTS



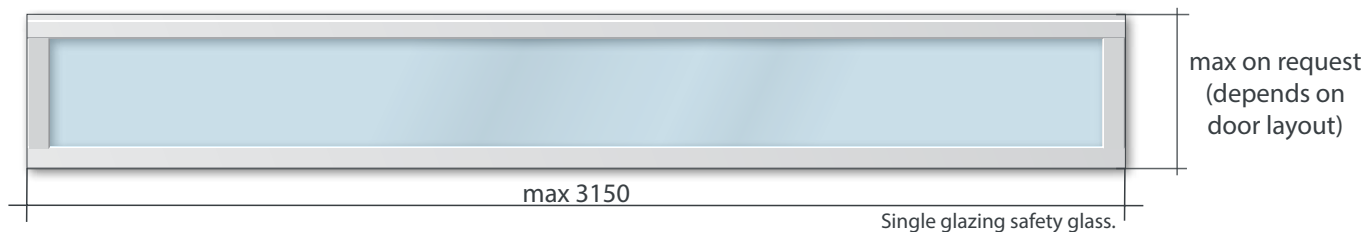
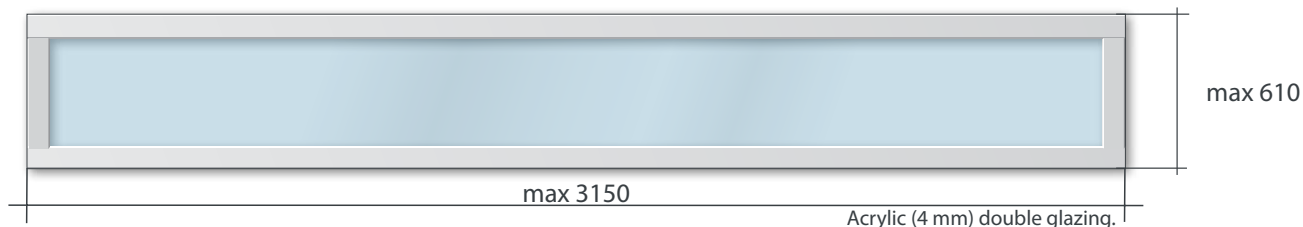
DOUBLE INSULATED ACRYLIC (clear / matt / frosted) GLAZING



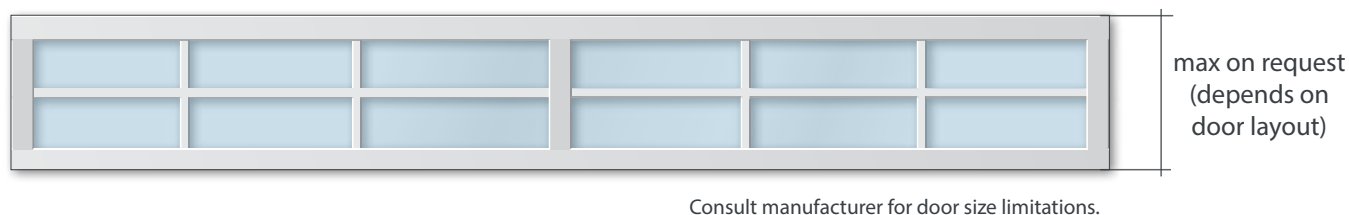
SINGLE / DOUBLE (Safety glass) GLAZING



CONTINUOUS GLAZING

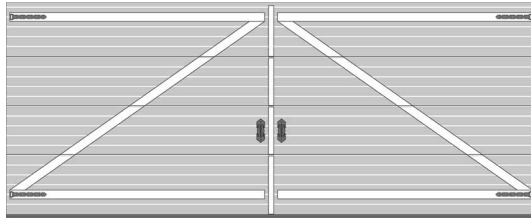
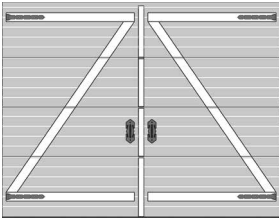


'CROSS' DECORATION

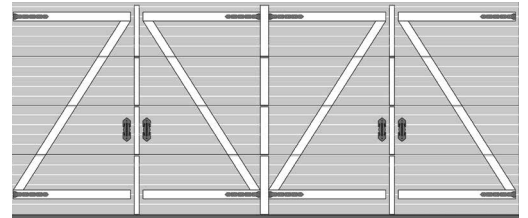


RETRO Z

Z

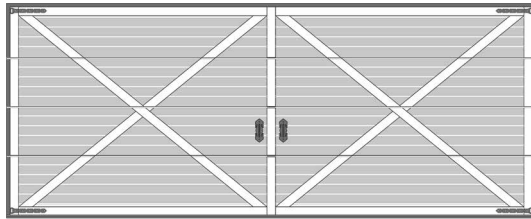
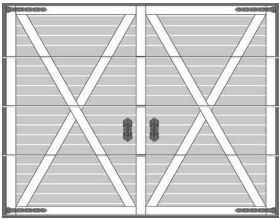


2 Z

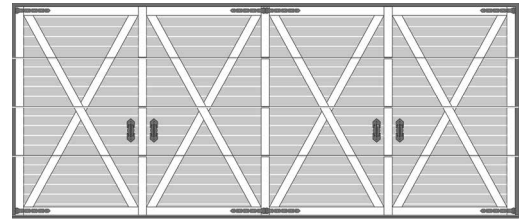


RETRO X

X

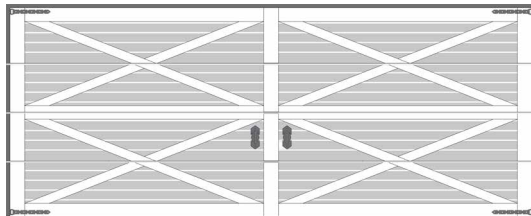
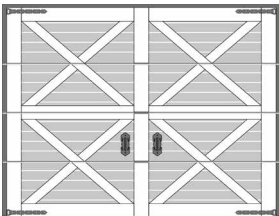


2 X

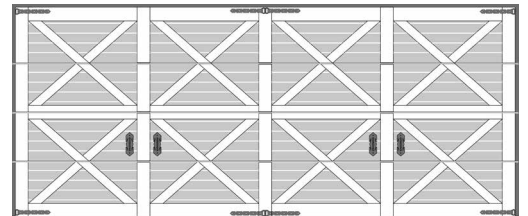


RETRO 4 X

4 X

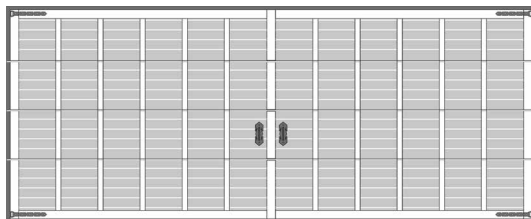
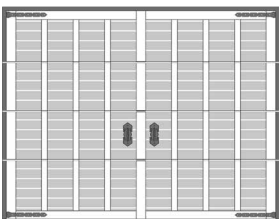


8 X

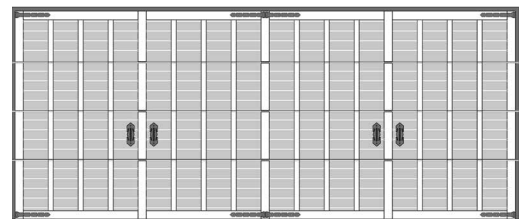


RETRO H

H

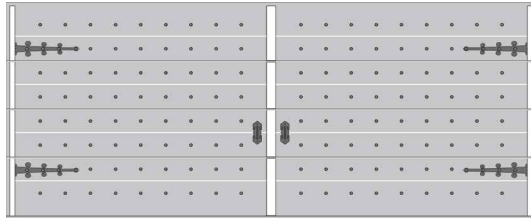
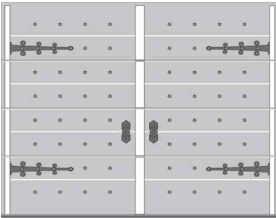


2 H

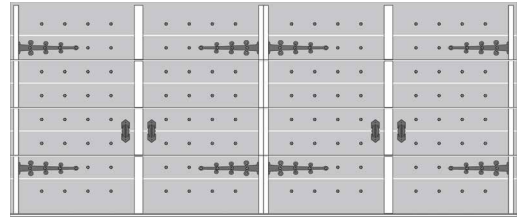


RETRO S

S

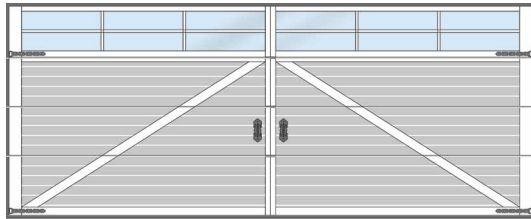
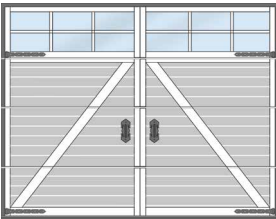


2 S

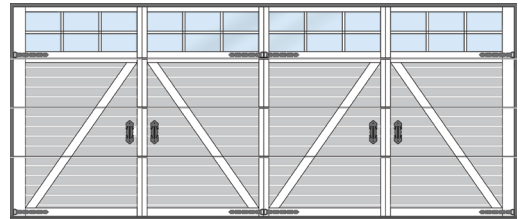


RETRO Z - FV

Z-FV

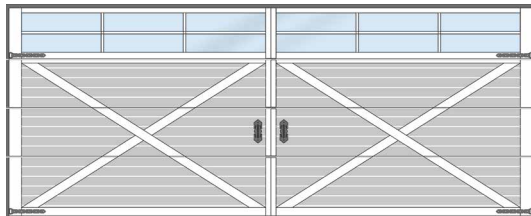
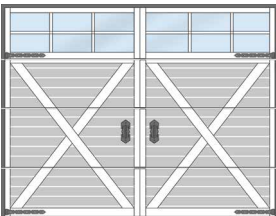


2 Z-FV

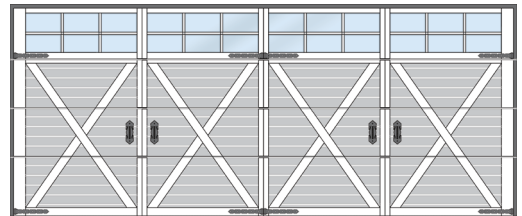


RETRO X - FV

X-FV

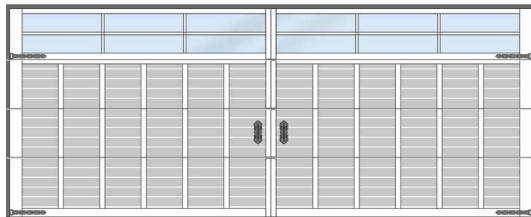


2 X-FV

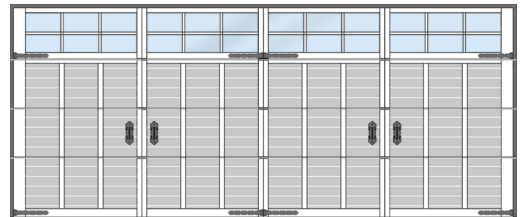


RETRO H - FV

H-FV

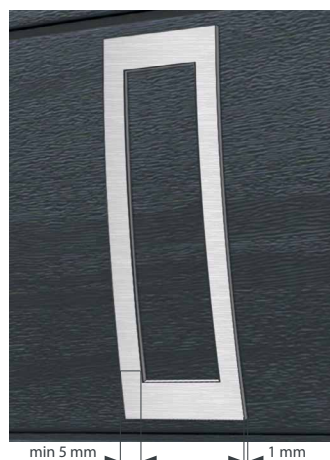


2 H-FV



DECOR ELEMENTS





Brushed



RAL painted



Decor elements combined with windows



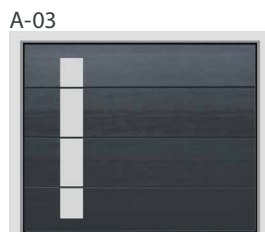
RAL painted decor elements & windows



A-01



A-02



A-03



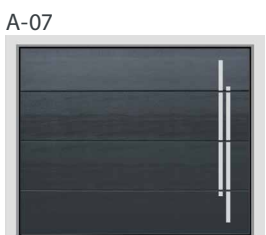
A-04



A-05



A-06



A-07



A-08



A-09



A-10



A-11



A-12



A-13



A-14



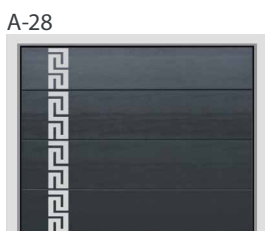
A-16



A-18



A-20



A-28



AW-01



AW-02



AW-07



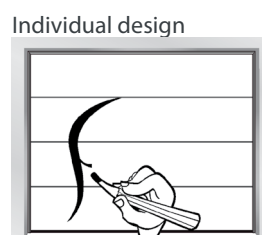
AW-13



AW-14

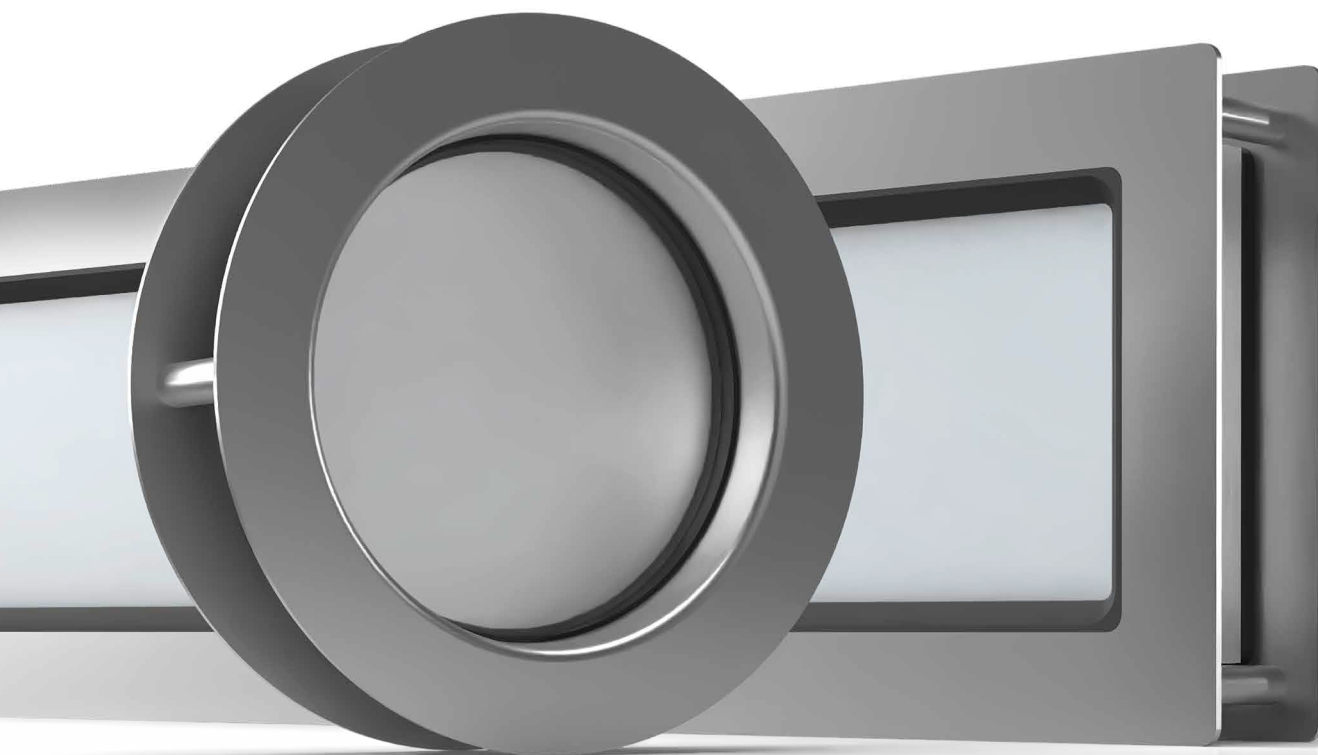


AW-15



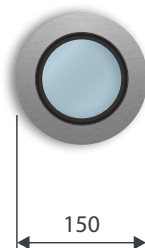
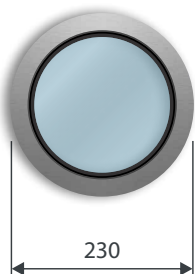
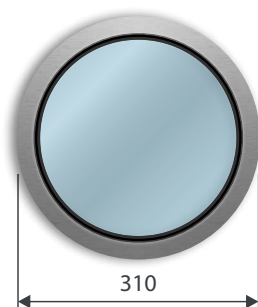
Individual design

WINDOWS



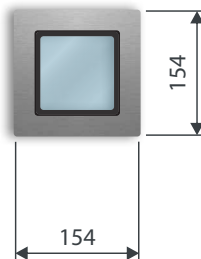
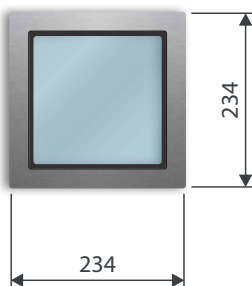
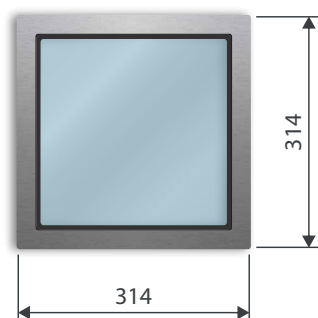
ROUND STAINLESS STEEL WINDOWS (single glazing safety glass)

printed **RAL colours**



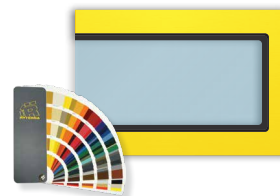
SQUARE STAINLESS STEEL WINDOWS (double glazing safety glass)

printed **RAL colours**

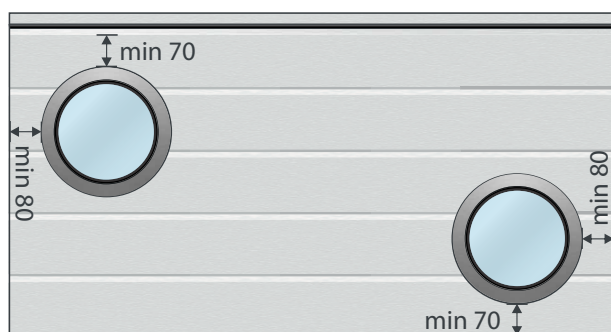


RECTANGULAR STAINLESS STEEL WINDOWS (double glazing safety glass)

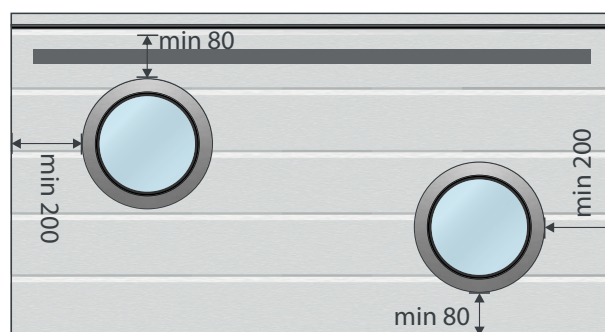
printed **RAL colours**



STAINLESS STEEL WINDOWS LOCATION



$W \leq 4500$



$4501 > W \geq 6000$

TYPE OF GLASS



Clear (glass)



Matt (glass)



Frosted (glass)



Tinted (glass) (grey or brown)

All dimensions are given in millimetres (mm).

PVC windows

Scratch-proof double glazing

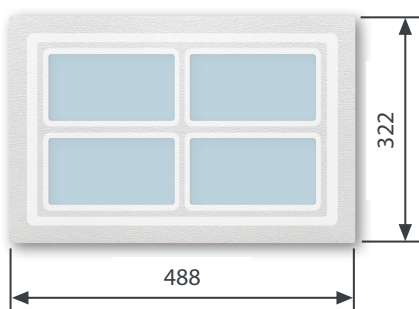
STANDARD ACRYLIC DOUBLE GLAZING WINDOWS (standard frame - white/black)

printed RAL colours



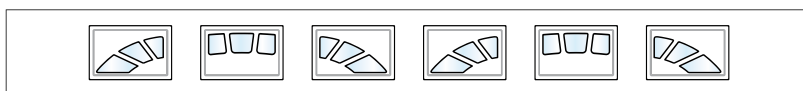
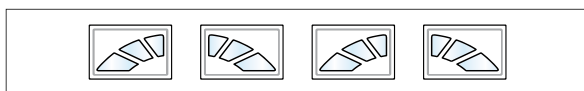
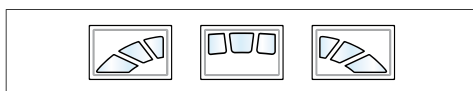
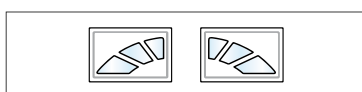
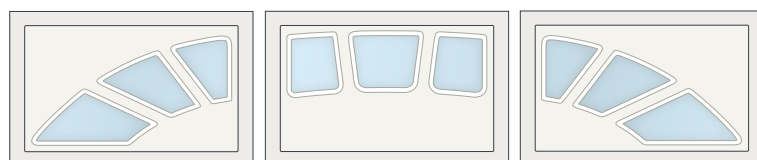
'CROSS' ACRYLIC DOUBLE GLAZING WINDOWS (standard frame - white)

printed RAL colours

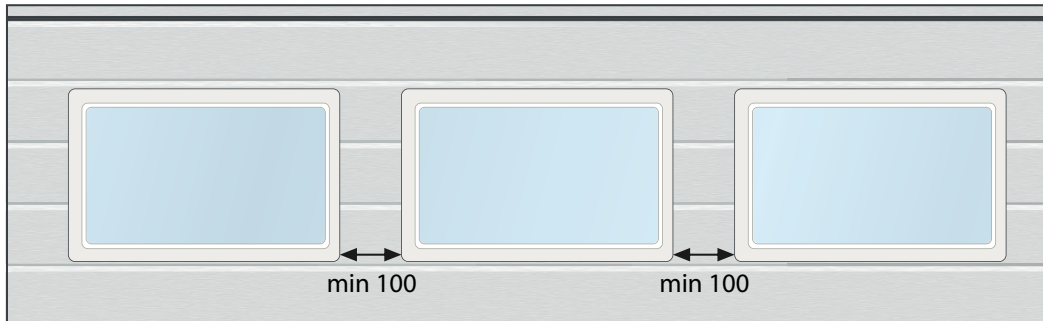


'SUNRISE' ACRYLIC DOUBLE GLAZING WINDOWS (standard frame - white)

printed RAL colours



ACRYLIC DOUBLE GLAZING WINDOWS LOCATION



TYPE OF GLASS



Clear (acrylic)



Matt (acrylic)



Frosted (acrylic)

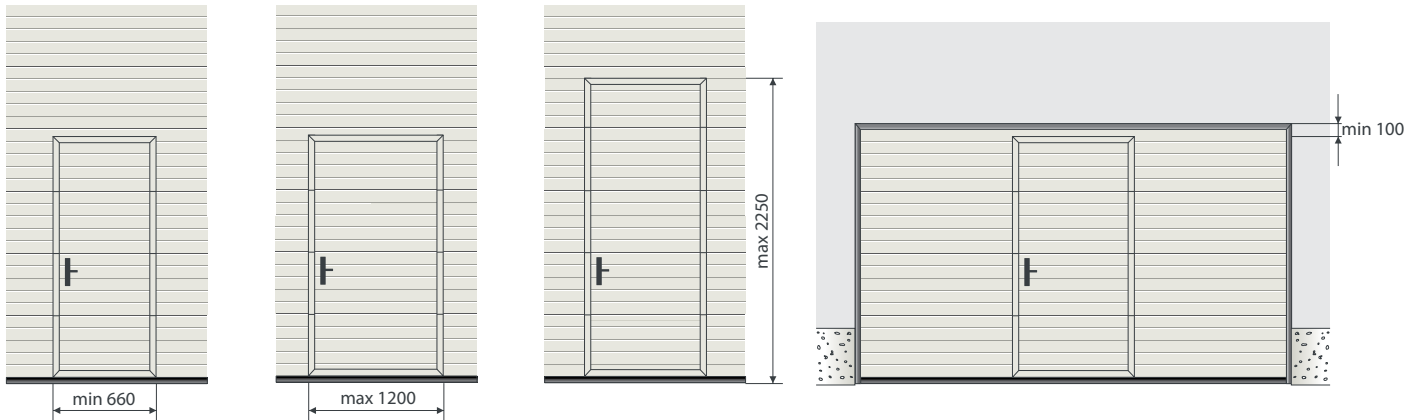


Tinted (acrylic) (grey or brown)

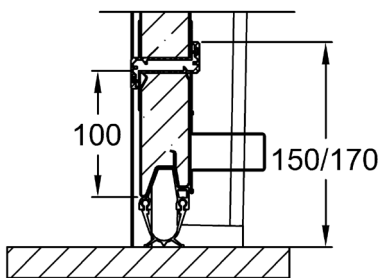
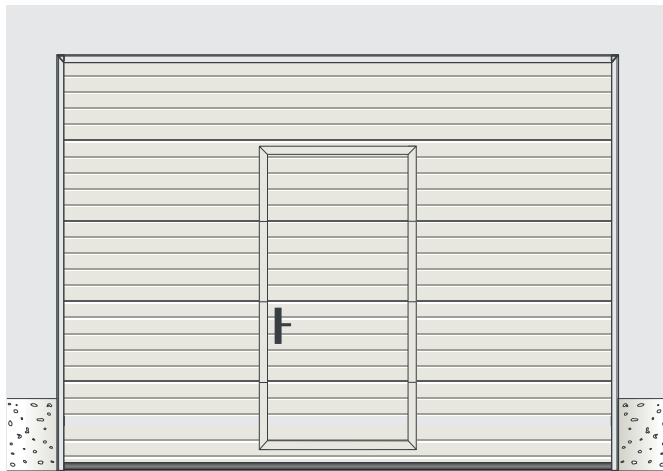
WICKET DOORS



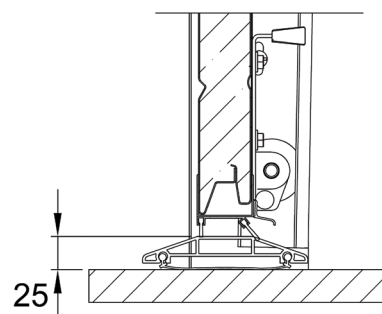
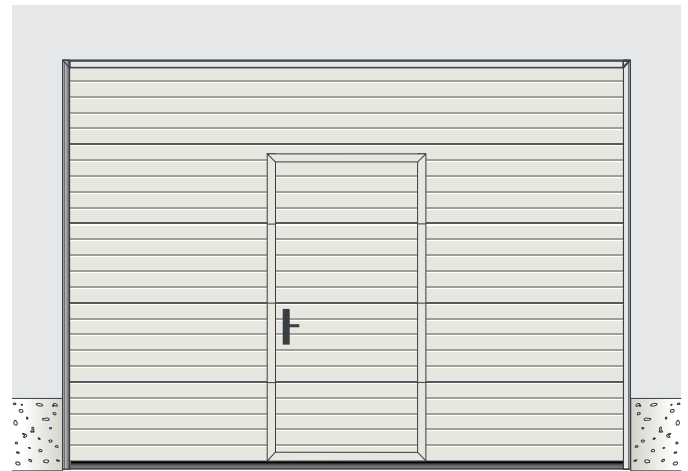
WICKET DOOR CRITICAL DIMENSIONS



WICKET DOOR WITH STANDARD THRESHOLD



WICKET DOOR WITH LOW THRESHOLD



HANDLE OPTIONS



Black handle
22050



White handle
22050



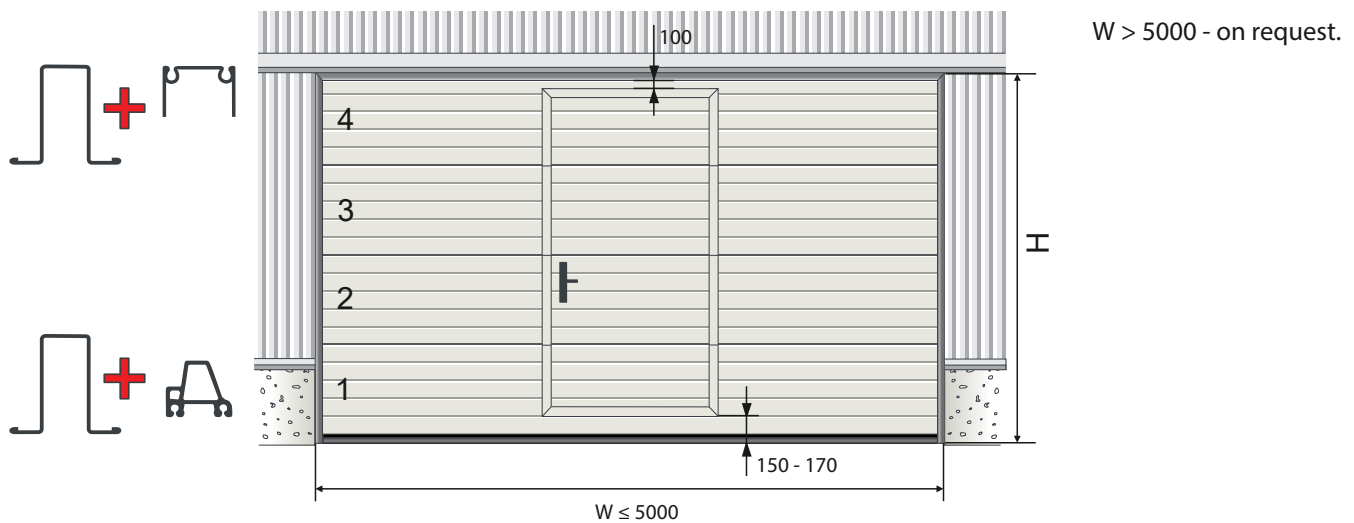
Silver handle
22050



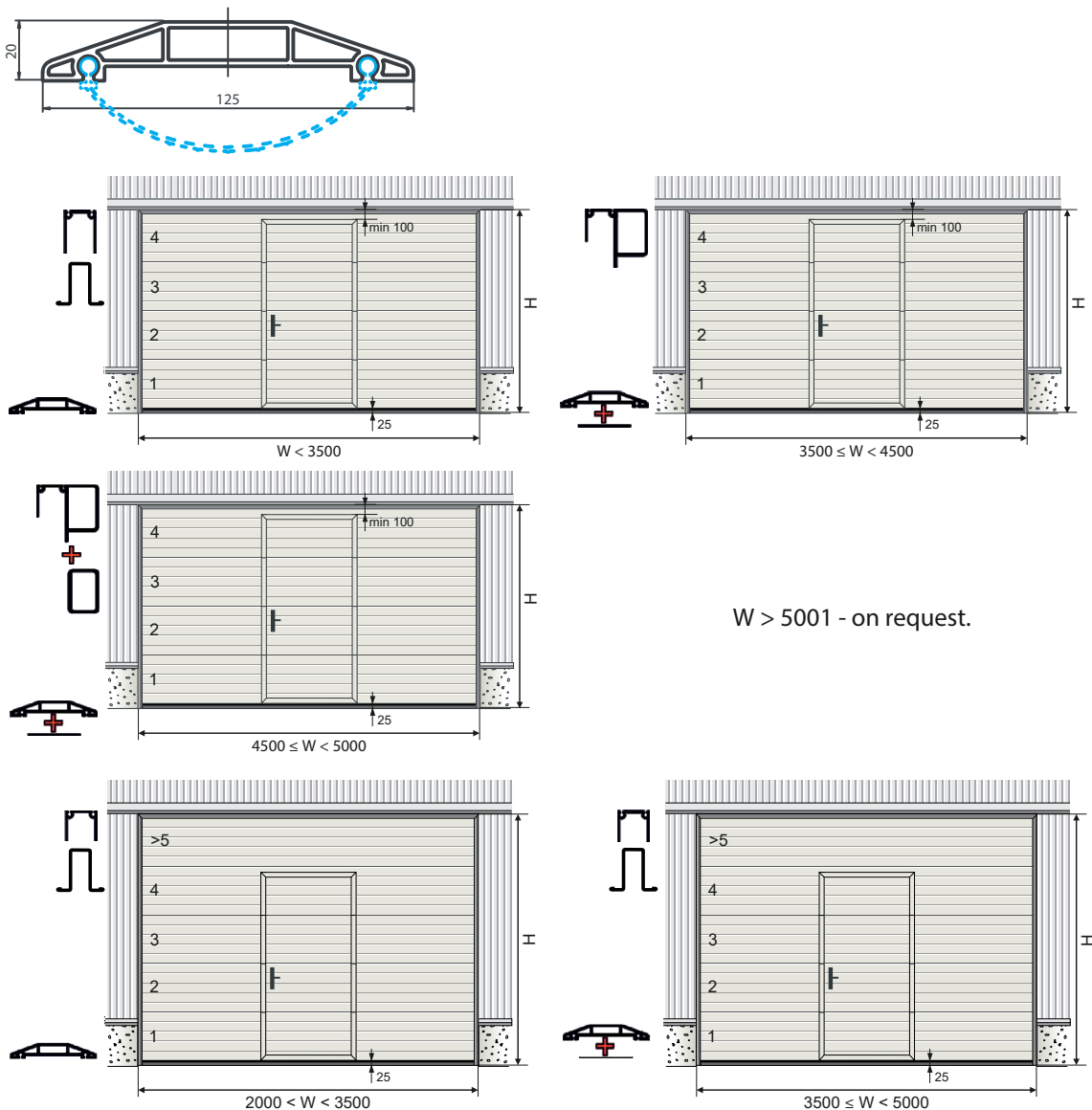
Fixed knob
(optional)
22046

Black handle - on wood image and painted doors.
White handle - on white doors.
Silver handle - on silver doors and by request.

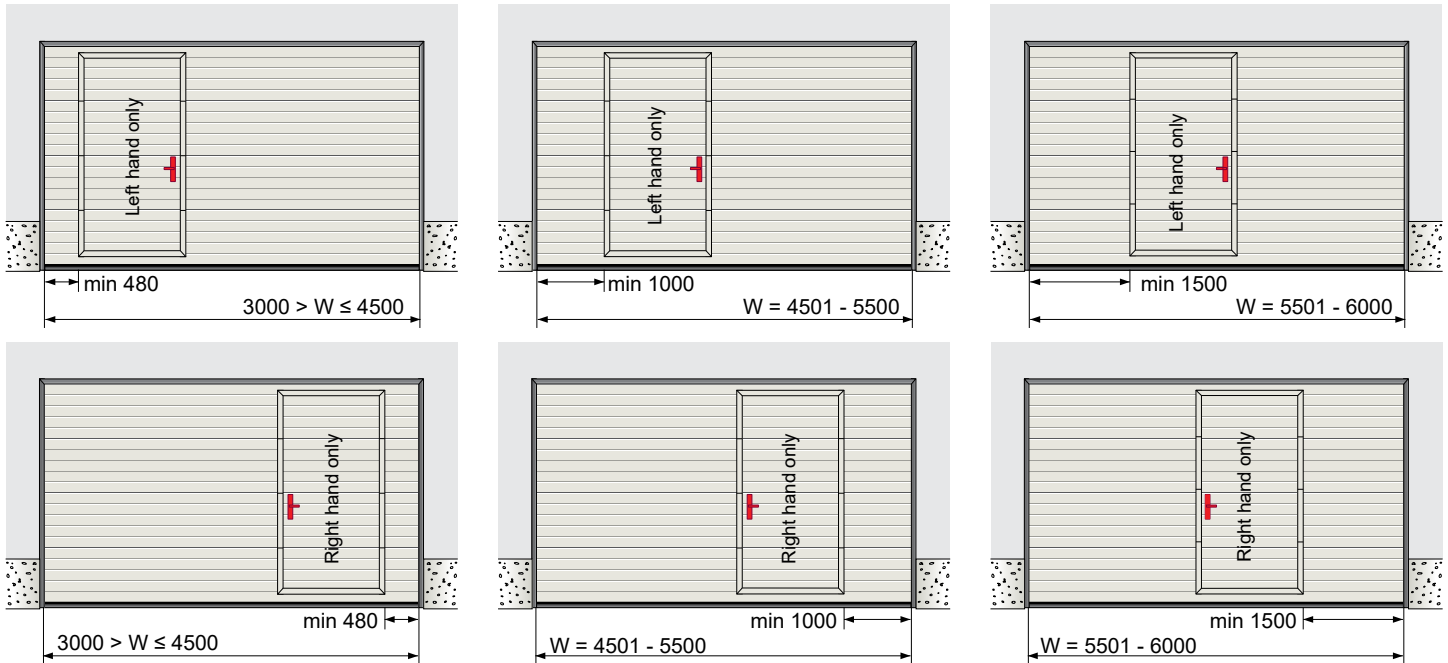
STANDARD THRESHOLD



LOW THRESHOLD

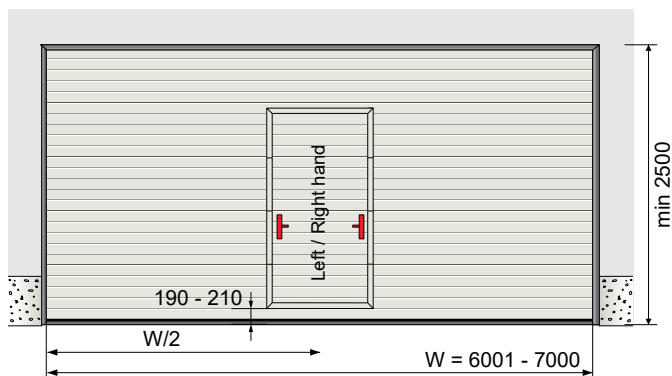
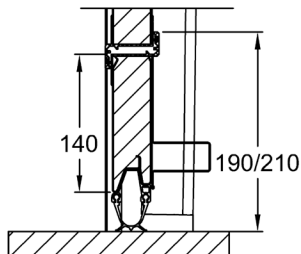


EXTERNAL VIEW

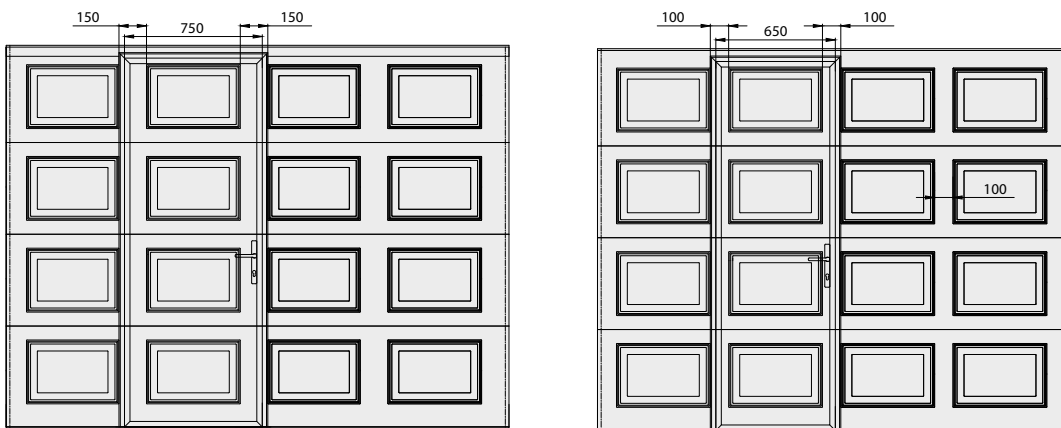


 Handle side (L/R) may be chosen when the wicket door is centred.

 Wicket door with higher threshold.



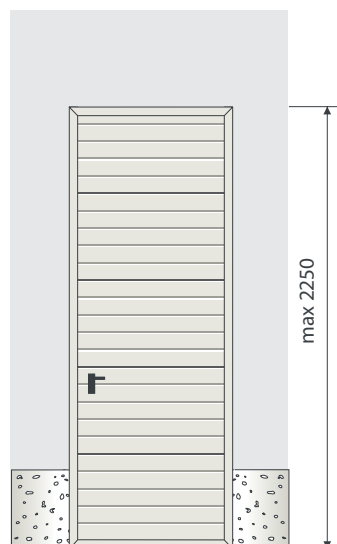
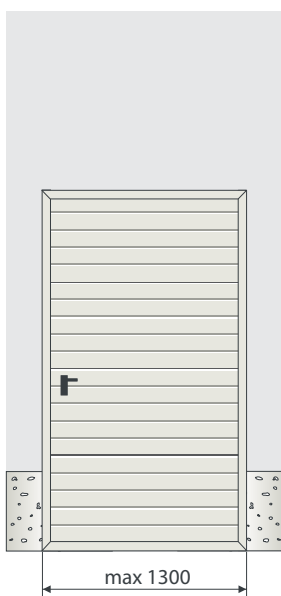
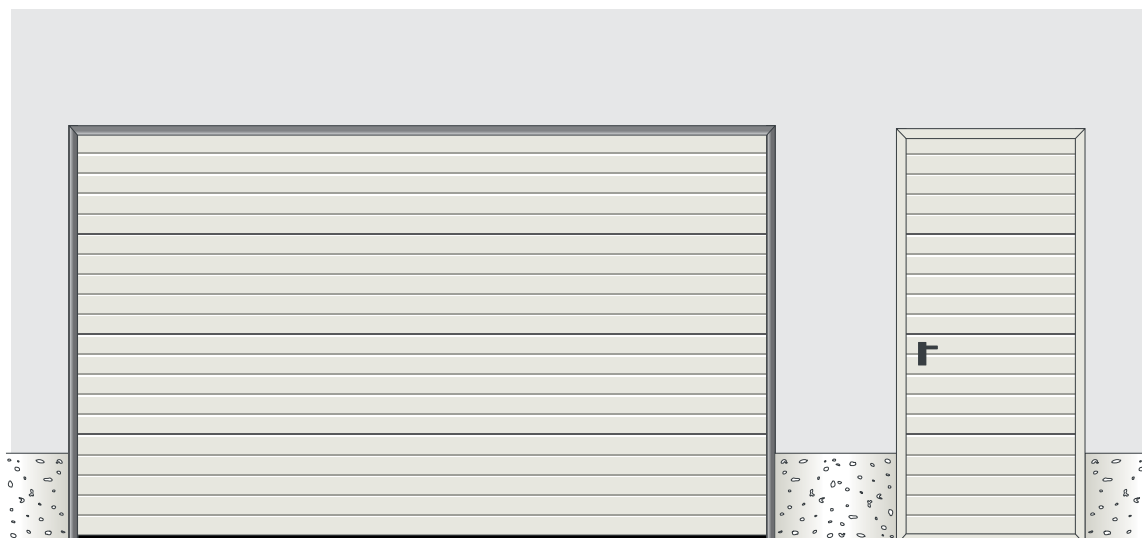
GEORGIAN (CASSETTE) PANELS



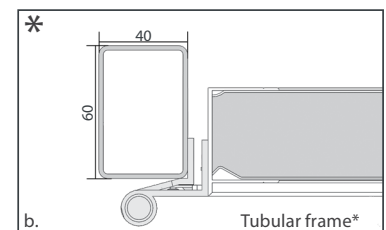
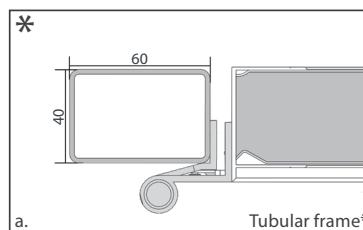
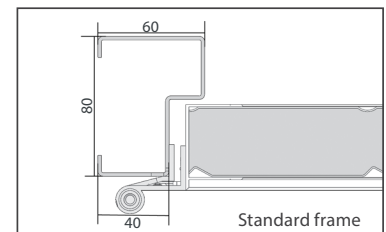
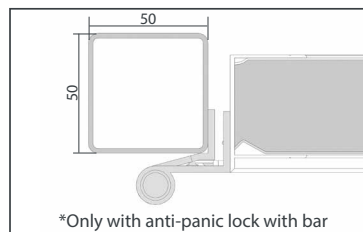
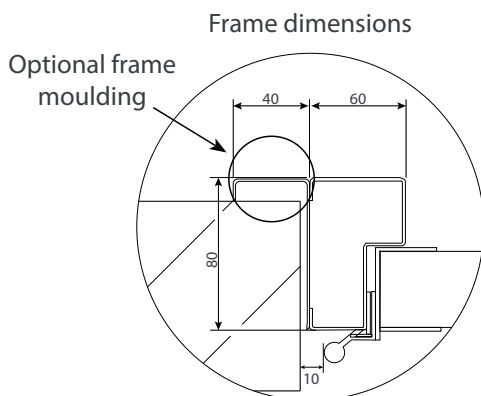
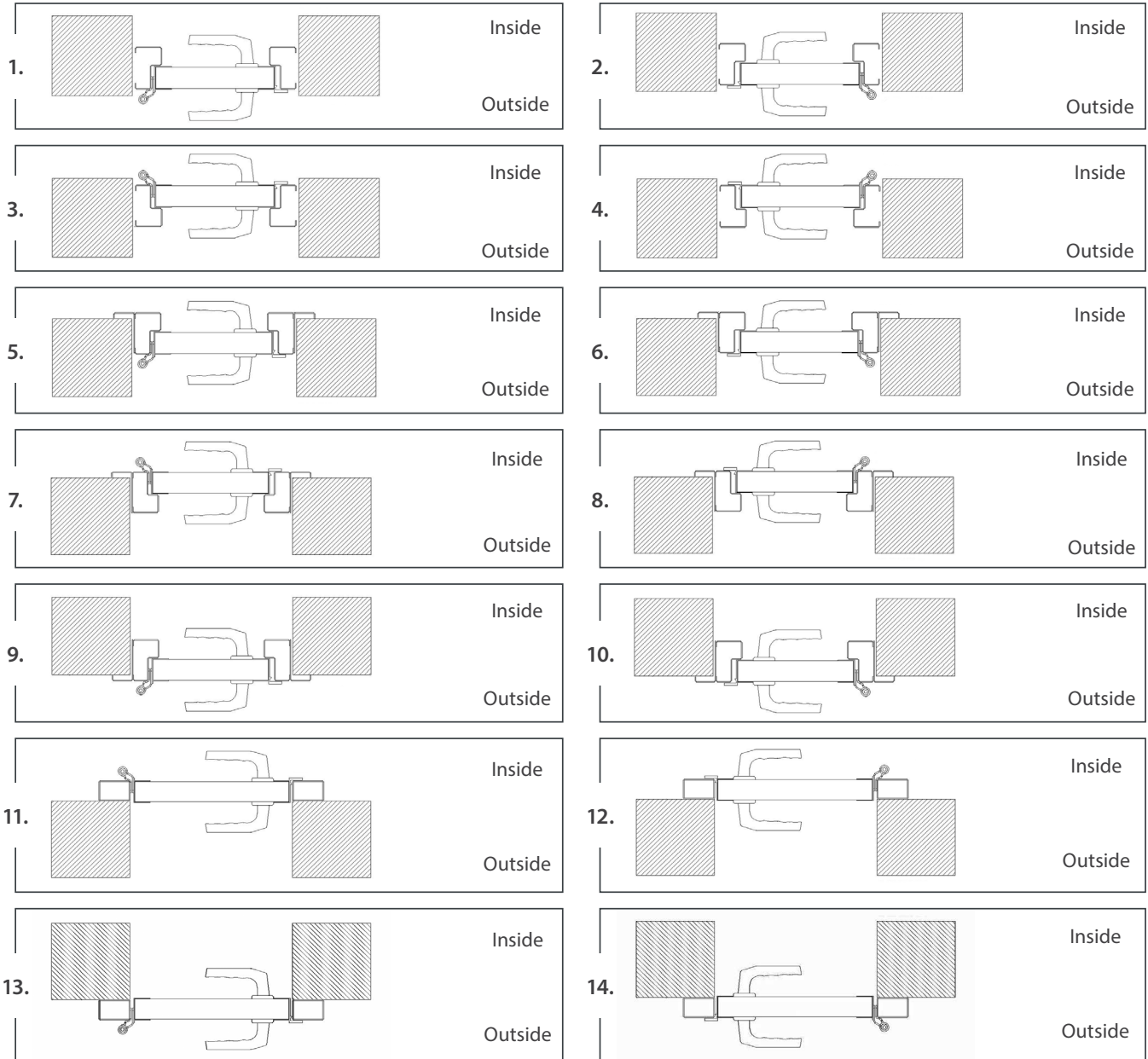
 For doors with Georgian (Cassette) panels and wicket door consult manufacturer.

SIDE HINGED DOORS





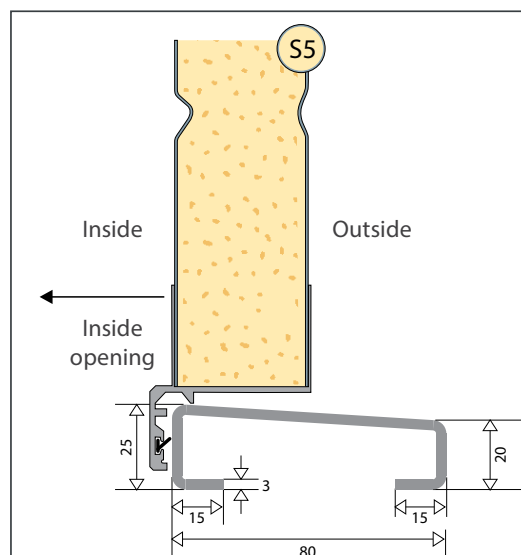
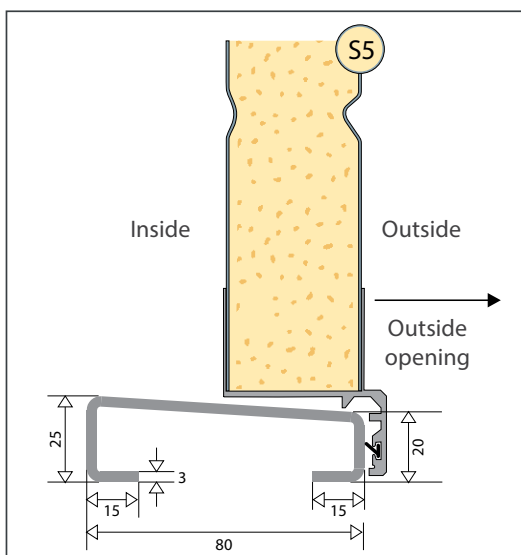
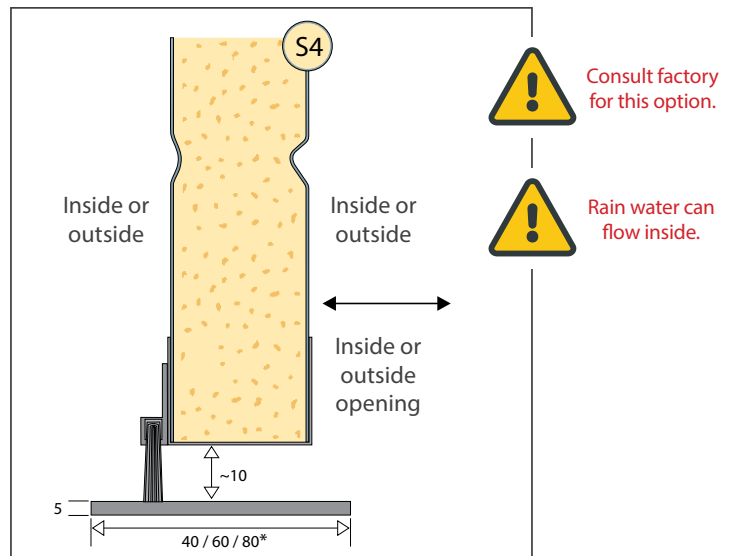
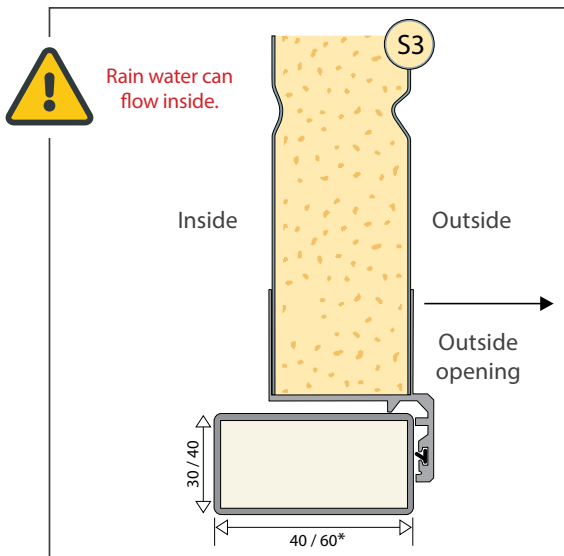
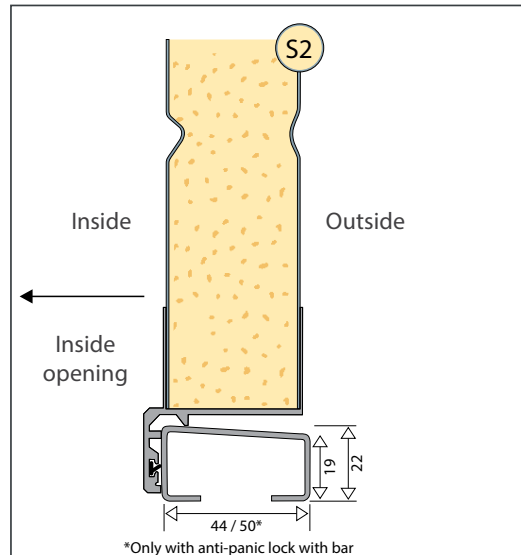
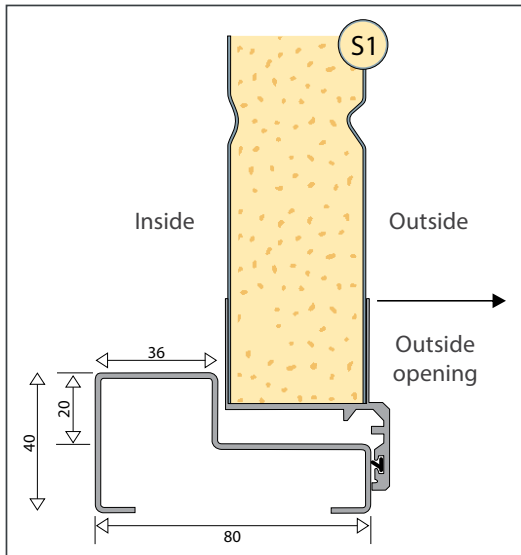
SIDE DOORS FITTING AND OPENING OPTIONS



Tolerance of 10 in width and height will be deducted from structural opening sizes given.

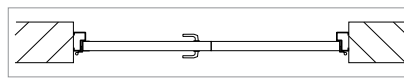
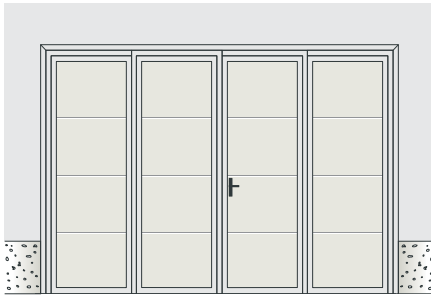
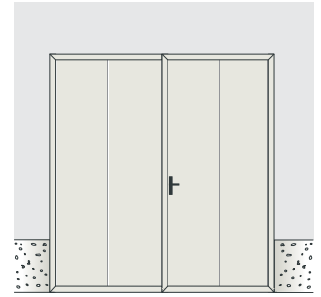
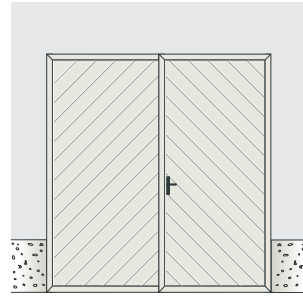
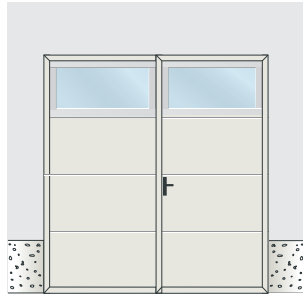
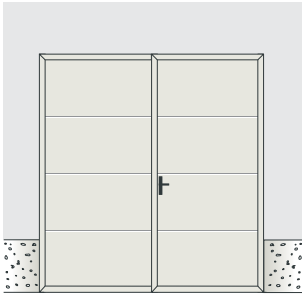
*With threshold S5 side door frame from tube 80x40.

SIDE DOORS THRESHOLD TYPES



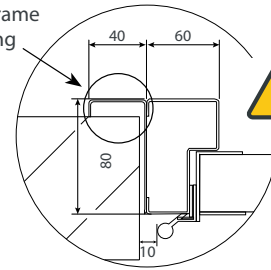
*Depends on door frame option

All dimensions are given in millimetres (mm).



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

Optional frame moulding

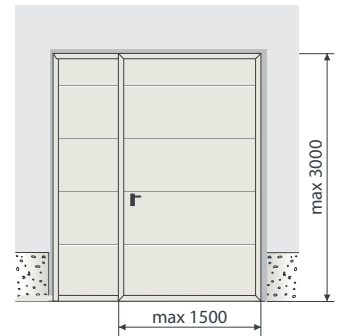
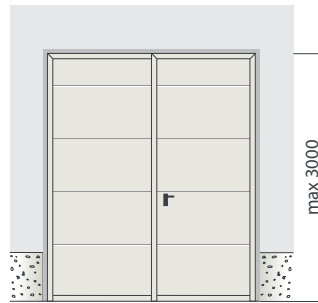
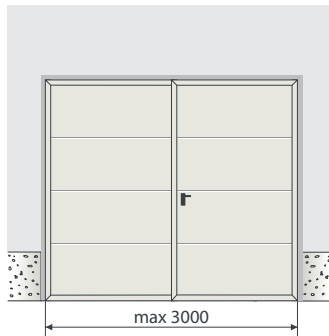


Frame dimensions



Tolerance of 10 in width and height will be deducted from structural opening sizes given.

DOUBLE SIDE DOOR **CRITICAL DIMENSIONS**



STANDARD HANDLES



Black handle
22050



White handle
22050



Silver handle
22050

Black handle - on wood image and painted doors.
White handle - on white doors.
Silver handle - on silver doors and by request.

OPTIONAL HANDLES



Fixed knob
22046



Stainless steel
HLS 02



Stainless steel
HLS 03



Stainless steel
HLS 04



Stainless steel
HLS 05



Stainless steel
HLS 06



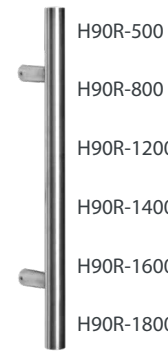
Stainless steel
HLS 12



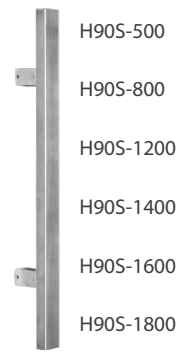
Stainless steel anti-panic handles
(Only with full lock 22035)



Chrome plated
ASSA Modular
565

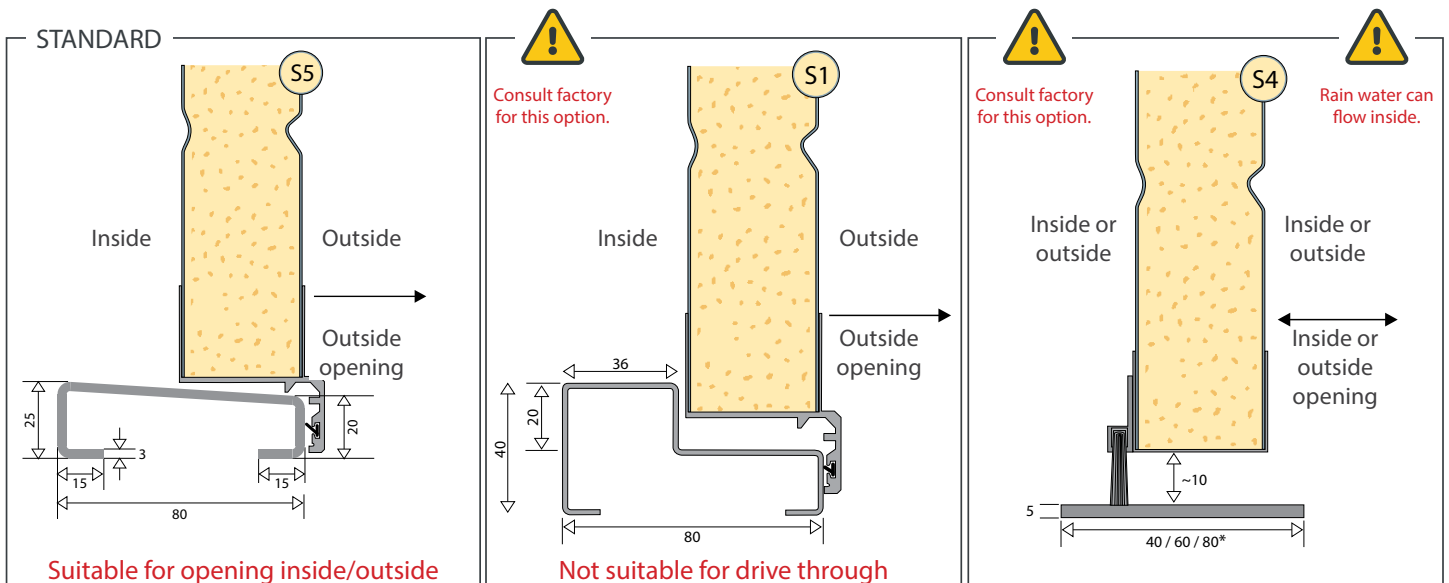
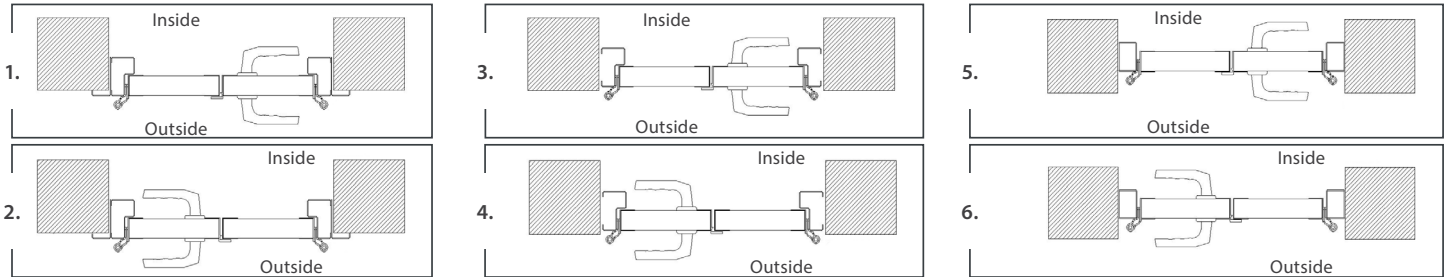


H90R
Ø 30 mm 90°



H90S
30x20 mm 90°

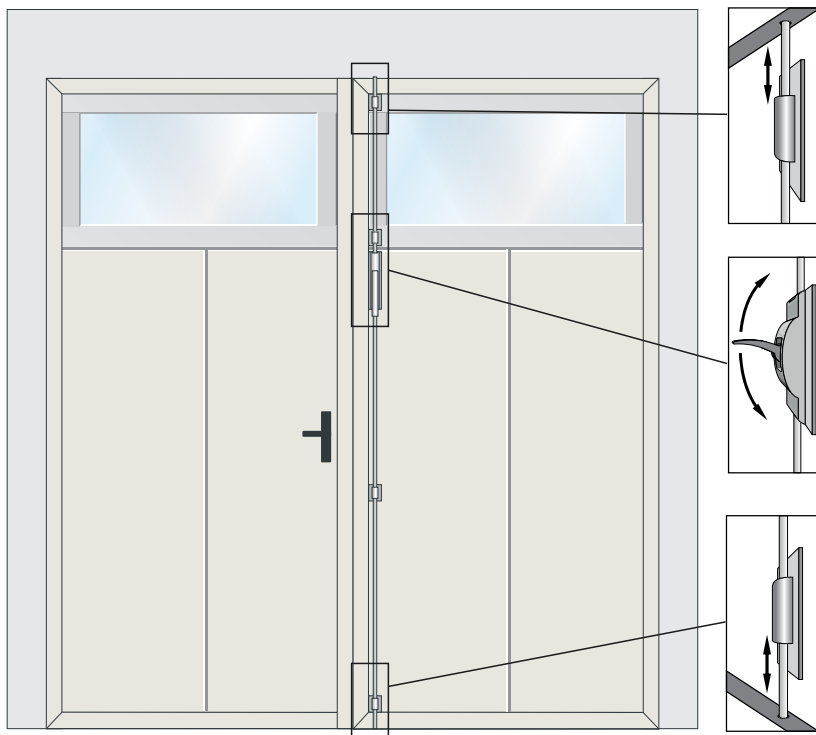
SH2 OPENING AND HANDLING OPTIONS



*Depends on door frame option

LOCKING OPTIONS AND DOOR STAYS

Espagnolette lock (optional).



Door stays (pr). Door leaf 700<. Opening 90° / 110° (optional).



Locking of the fixed door leaf. Top / bottom (standard).

Shoot bolt for leaf fixation (optional).



All dimensions are given in millimetres (mm).

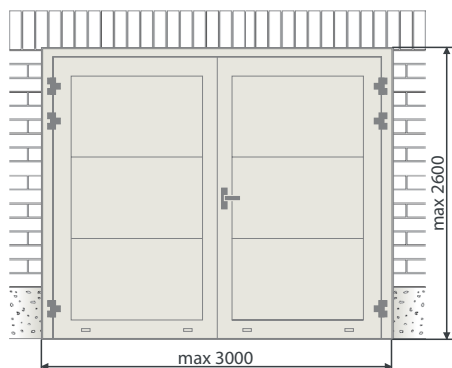
SH2 THERMO



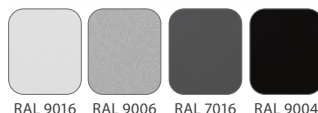
Aluminium insulated doors **SH2 THERMO**



SH2T P - with 40 mm slick design panel filling



Standard colours



RAL 9016 RAL 9006 RAL 7016 RAL 9004

Painted RAL colours &
Slick Plus panels

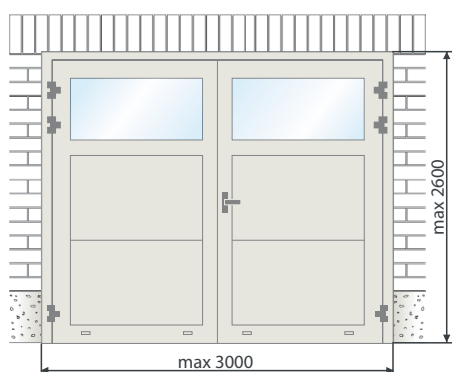


- Door frame size up to: 3000x2600
- Hinges and handle (standard colours: white, black, silver)
- 1-point lock
- Integrated shoot bolts
- Door stays

Door model SH2T P filling inside, Stucco embossed RAL 9002.

Opens only to the outside.
Not suitable for drive through.

SH2T P+FV – with 40 mm slick design panel filling + FV panel



Standard colours



RAL 9016 RAL 9006 RAL 7016 RAL 9004

Painted RAL colours &
Slick Plus panels

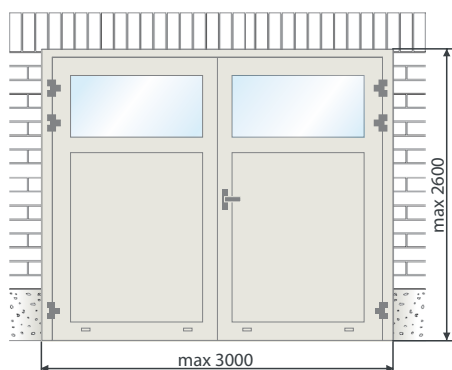


- Door frame size up to: 3000x2600
- Double clear safety glazing/matt (max height 520)
- Hinges and handle (standard colours: white, black, silver)
- 1-point lock
- Integrated shoot bolts
- Door stays

Door model SH2T P+FV filling inside, Stucco embossed RAL 9002.

Opens only to the outside.
Not suitable for drive through.

SH2T S+FV – with 40 mm aluminium sandwich filling + FV panel



Standard colours



RAL 9016 RAL 9006 RAL 7016 RAL 9004

Painted RAL colours &
Slick Plus panels

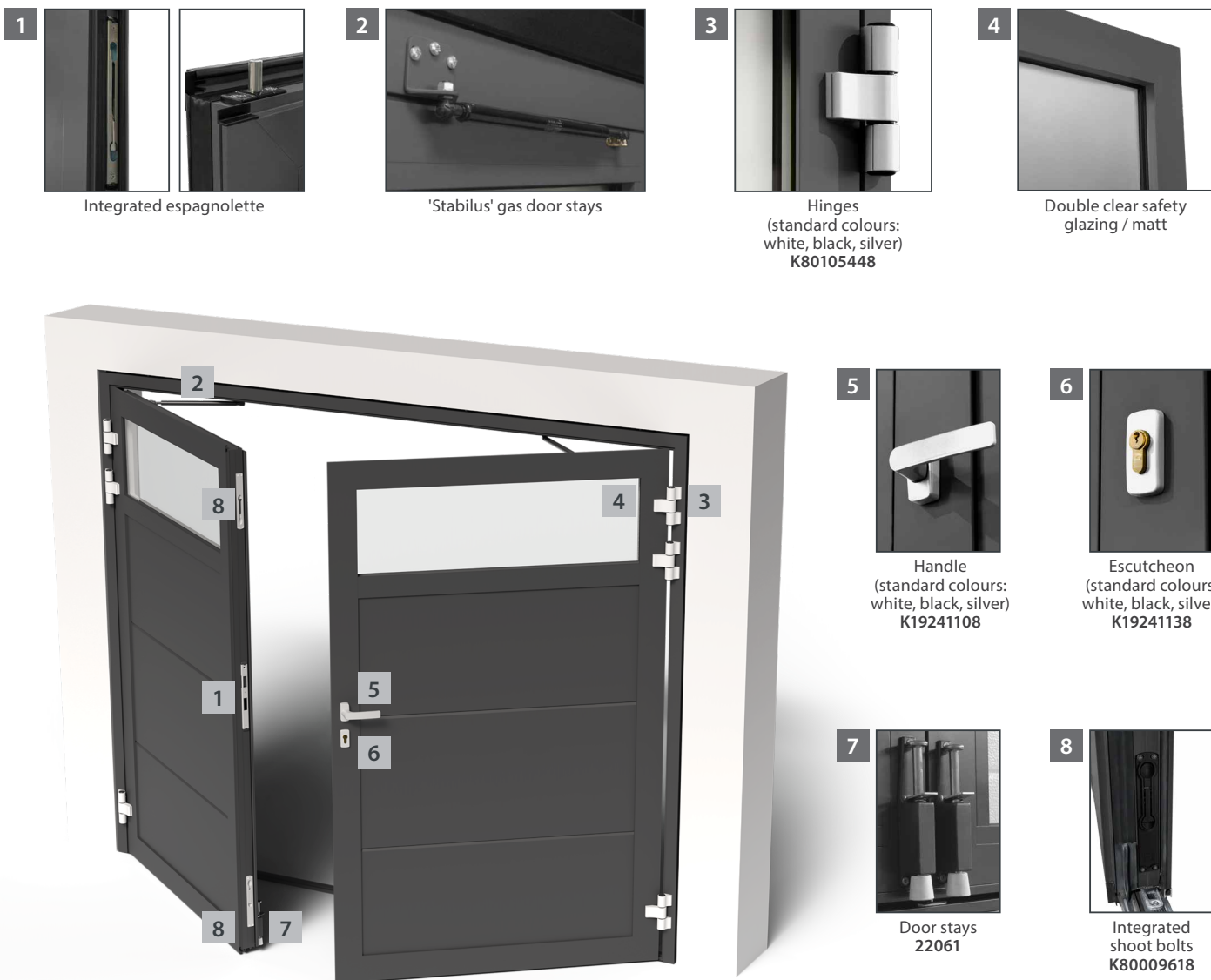


- Door frame size up to: 3000x2600
- Double clear safety glazing/matt (max height 520)
- Hinges and handle (standard colours: white, black, silver)
- 1-point lock
- Integrated shoot bolts
- Door stays

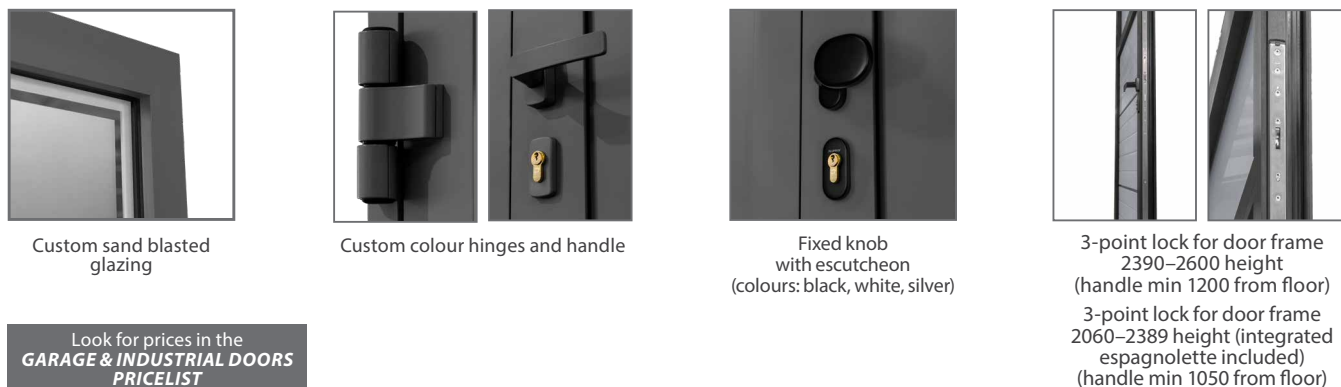
Door model SH2T S+FV sandwich filling inside Smooth, same as door colour.

Opens only to the outside.
Not suitable for drive through.

OPTIONS



MORE OPTIONS



Technical drawing of a window cross-section, showing the 'Outside' and 'Inside' views. The drawing includes dimensions in millimeters (mm) and labels for the materials used.

Outside View (Left):

- Overall width: 149.5 mm
- Top frame width: 44.5 mm
- Top frame depth: 100 mm
- Bottom frame width: 70 mm
- Bottom frame depth: 72 mm
- Overall height: 146.5 mm

Inside View (Right):

- Overall width: 149.5 mm
- Top frame width: 44.5 mm
- Top frame depth: 100 mm
- Bottom frame width: 70 mm
- Bottom frame depth: 72 mm
- Overall height: 146.5 mm

Central Section:

- Material: GLASS
- Thickness: 30 mm

Bottom Section:

- Material: SANDWICH
- Thickness: 30 mm
- Bottom frame width: 70 mm
- Bottom frame depth: 40 mm
- Bottom frame height: 83 mm
- Bottom frame width: 9.5 mm
- Bottom frame height: 14.5 mm
- Bottom frame width: 52 mm
- Bottom frame height: 10 mm

54 | TECHNICAL DATA **GARAGE DOORS**

