



Sectional Garage Doors

Technical Manual: Issue 01.03.2011



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Door leaf constructions and track applications as well as fitting examples are provided in this manual.

Before fitting a sectional door, the structural opening must be finished and the garage floor must be laid and level.

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All dimensions in mm.

Subject to design changes.

Door type	Door leaf
Sectional door LTE 40 – Single-skinned steel sections	
<ul style="list-style-type: none"> • S-ribbed, Woodgrain • M-ribbed, Woodgrain 	<ul style="list-style-type: none"> • Single-skinned door sections, Woodgrain-embossed • Hot galvanized sheet steel door sections of equal height with horizontal ribbing • Surface with polyester-primer coating • Glazings not possible in the two bottom door sections
<ul style="list-style-type: none"> • S-panelled, Woodgrain • M-panelled, Woodgrain 	<ul style="list-style-type: none"> • Single-skinned door sections, Woodgrain-embossed • Hot galvanized sheet steel door sections of equal height with panelling • Surface with polyester-primer coating • Glazings not possible in the two bottom door sections
Sectional door EPU 40 – Double-skinned steel sections	
<ul style="list-style-type: none"> • M-ribbed, Woodgrain 	<ul style="list-style-type: none"> • Double-skinned, PU-foamed door sections, 42/20 mm, Woodgrain-embossed exterior, Stucco-textured interior • Hot galvanized sheet steel door sections of equal height with horizontal ribbing • Surface with polyester-primer coating • Glazings not possible in the two bottom door sections
<ul style="list-style-type: none"> • S-panelled, Woodgrain 	<ul style="list-style-type: none"> • Double-skinned, PU-foamed door sections, 42/20 mm, Woodgrain-embossed exterior, Stucco-textured interior • Hot galvanized sheet steel door sections of equal height with panelling • Surface with polyester-primer coating • Glazings not possible in the two bottom door sections
Sectional door LPU 40 – Double skinned steel sections	
<ul style="list-style-type: none"> • S-ribbed, Woodgrain • M-ribbed, Woodgrain, Silkgrain, Micrograin or Decograin • L-ribbed, Woodgrain, Silkgrain, Micrograin or Decograin 	<ul style="list-style-type: none"> • Double-skinned, PU-foamed door sections, Woodgrain, Silkgrain, Micrograin or Decograin exterior, Stucco-textured interior • Hot galvanized sheet steel door sections of equal height with horizontal ribbing or without ribbing • Surface with polyester-primer coating (with Decograin, synthetic foil coating on the outside) • Glazings not possible in the two bottom door sections
<ul style="list-style-type: none"> • S-panelled, Decograin 	<ul style="list-style-type: none"> • Double-skinned, PU-foamed door sections, Woodgrain or Decograin-embossed exterior, Stucco-textured interior • Hot galvanized sheet steel door sections of equal height with panelling • Surface with polyester-primer coating (with Decograin, synthetic foil coating on the outside) • Glazings not possible in the two bottom door sections
Fitting in front of the reveal <ul style="list-style-type: none"> • S-ribbed, Woodgrain • M-ribbed, Woodgrain or Silkgrain • L-ribbed, Woodgrain, Silkgrain or Micrograin 	<ul style="list-style-type: none"> • Double-skinned, PU-foamed door sections, Woodgrain, Silkgrain or Micrograin exterior, Stucco-textured interior • Hot galvanized sheet steel door sections of equal height with horizontal ribbing or without ribbing • Surface with polyester-primer coating • Glazings not possible in the two bottom door sections
Fitting in front of the reveal <ul style="list-style-type: none"> • S-panelled, Woodgrain 	<ul style="list-style-type: none"> • Double-skinned, PU-foamed door sections, Woodgrain-embossed exterior, Stucco-textured interior • Hot galvanized sheet steel door sections of equal height with panelling • Surface with polyester-primer coating • Glazings not possible in the two bottom door sections
Sectional door LPU 40 with wicket door – Double-skinned steel sections	
<ul style="list-style-type: none"> • S-ribbed, Woodgrain • M-ribbed, Woodgrain, Micrograin or Decograin • L-ribbed, Woodgrain, Micrograin or Decograin 	<ul style="list-style-type: none"> • Double-skinned, PU-foamed door sections, Woodgrain, Micrograin or Decograin exterior, Stucco-textured interior • Hot galvanized sheet steel door sections of equal height with horizontal ribbing or without ribbing • Surface with polyester-primer coating (with Decograin, synthetic foil coating on the outside) • Glazings not possible in the two bottom door sections • Without door handle set, without inside locking, without single-skinned steel fascia, upper door section with lintel seal • We recommend fitting a garage door operator SupraMatic P.

Further details can be obtained in the brochure.

Door type	Door leaf
<ul style="list-style-type: none"> • S-panelled, Woodgrain 	<ul style="list-style-type: none"> • Double-skinned, PU-foamed door sections, Woodgrain-embossed exterior, Stucco-textured interior • Hot galvanized sheet steel door sections of equal height with panelling • Surface with polyester-primer coating • Glazings not possible in the two bottom door sections • Without door handle set, without inside locking, without single-skinned steel fascia, upper door section with lintel seal • We recommend fitting a garage door operator SupraMatic P.

Sectional door LPU 40 XXL – Double skinned steel sections

<ul style="list-style-type: none"> • S-ribbed, Woodgrain • M-ribbed, Woodgrain, Silkgrain, Micrograin or Decograin • L-ribbed, Woodgrain, Silkgrain, Micrograin or Decograin 	<ul style="list-style-type: none"> • Double-skinned, PU-foamed door sections, Woodgrain, Silkgrain, Micrograin or Decograin exterior, Stucco-textured interior • Hot galvanized sheet steel door sections of equal height with horizontal ribbing • Surface with polyester-primer coating • Glazings not possible in the two bottom door sections
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Sectional door LTH 40

<ul style="list-style-type: none"> • S-ribbed, Nordic Pine/Hemlock • M-ribbed, Nordic Pine/Hemlock • L-ribbed, Nordic Pine/Hemlock • V-panelled, Nordic Pine/Hemlock 	<ul style="list-style-type: none"> • Solid timber door sections, S, M, L-ribbed or V-panelled • Door sections of equal height • Pine-impregnated surface protects against blue stain and wood pests • Glazings not possible in the two bottom door sections
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Sectional door LTH 40 with special designs

Nordic Pine/Hemlock	<ul style="list-style-type: none"> • Solid timber sections with different door styles • Door sections of equal height • Pine-impregnated surface protects against blue stain and wood pests • Door styles 403 and 404 with natural stone infill on request
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Further details can be obtained in the brochure.

Door type	Door leaf
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Side doors with corner frames made of aluminium profiles

Standard sizes	<ul style="list-style-type: none"> • Appearance same as LTE 40/EPU 40/LPU 40, leaf frame made of aluminium extrusions, depth 60 mm • PU-foamed steel-section door infill; Woodgrain, Decograin or Silkgrain-embossed exterior, Stucco-textured interior • Surface with polyester-primer coating (with Decograin, synthetic foil coating on the outside) • Alignment of sections/ribbing/panelling is only possible with doors of the same height
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Side doors with block frames made of aluminium profiles

Standard/special sizes	<ul style="list-style-type: none"> • Appearance same as LTE 40/EPU 40/LPU 40, leaf frame and frame made of aluminium extrusions (without thermal breaks), depth 60 mm, double buffer sealing on 3 sides • As standard, plug holes are pre-drilled in the frame according to the fitting arrangement (see reverse side of the order form) • PU-foamed steel-section door infill; Woodgrain, Decograin or Silkgrain-embossed exterior, Stucco-textured interior • Surface with polyester-primer coating (with Decograin, synthetic foil coating on the outside) • Alignment of sections/ribbing/panelling is only possible with doors of the same height
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Timber side doors

Standard/special sizes	<ul style="list-style-type: none"> • Appearance same as LTH 40 • Solid timber door leaf and frame, Nordic Pine or Hemlock; door leaf depth 42 mm, buffer sealing on 3 sides • Double seal in threshold area • Pine-impregnated surface protects against blue stain and wood pests
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Further details can be obtained in the brochures.

Sectional Door LTE 40

Single-skinned steel sections

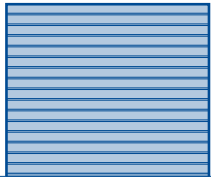
S-ribbed

Woodgrain

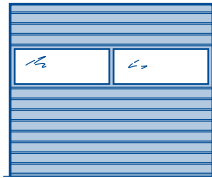
External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)

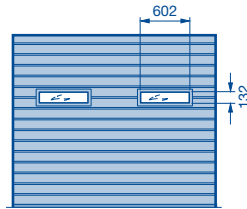
Basic model



With aluminium frame



With glazing type D



Note:

Different glazing arrangements are not possible!

Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are not possible.

		A	B	C										
RM	3000	6	500	125										
	2875	6	479	120										
	2750	5	550	138										
	2625	5	525	131										
	2500	5	500	125										
	2375	5	475	119										
	2250	4	562	141										
	2205	4	550	138										
	2125	4	531	133										
	2080	4	520	130										
	2000	4	500	125										
	1955	4	488	122										
	1875	4	468	117										
		Number of infills per door section with glazing												
		2	3	4	5									
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
		LZ												

Doors up to 3000 × 2625 mm, with tension spring assembly

A Number of door sections
B Door section height

C Spacings

RM Grid height

LZ Clear frame dimensions (from 2000)

Special equipment

Ventilation

- Ventilation slots in bottom door section, ventilation cross section 65 cm² for one metre door width
- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF)
- Glazing type D, 3 mm

Sectional Door LTE 40

Single-skinned steel sections

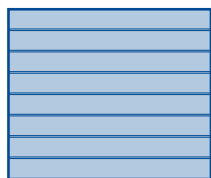
M-ribbed

Woodgrain

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)

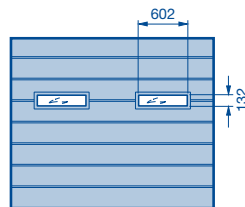
Basic model



with aluminium frame



With glazing type D



Note:

Different glazing arrangements are not possible!

Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are not possible.

													A	B	C					
RM	3000														6	500	250			
	2875														6	479	239			
	2750														5	550	275			
	2625														5	525	262			
	2500														5	500	250			
	2375														5	475	237			
	2250														4	562	281			
	2205														4	550	275			
	2125														4	531	265			
	2080														4	520	260			
	2000														4	500	250			
	1955														4	488	244			
	1875														4	468	234			
		2		3														Number of infills per door section with glazing		
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000						
		LZ																		

 Doors up to 3000 × 2625 mm, with tension spring assembly

A Number of door sections

B Door section height

C Spacings

RM Grid height

LZ Clear frame dimensions (from 2000)

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF)
- Glazing type D, 3 mm

Sectional Door LTE 40

Single-skinned steel sections

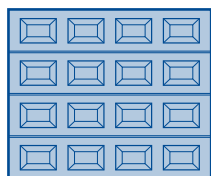
S-panelled

Woodgrain

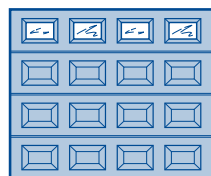
External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)

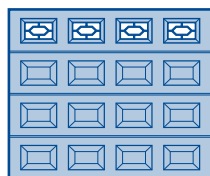
Basic model



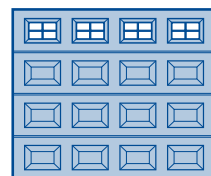
Design S0



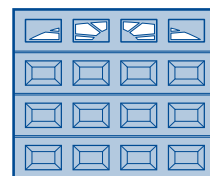
Design S1 with decorative rail (rhombus)



Design S2 with decorative rail (cross)



Design S10



Size range

Door width in 5 mm increments, door height only in one of the grid heights shown. Intermediate heights are not possible.

														A	B	
RM	3000														6	500
	2875														6	479
	2750														5	550
	2625														5	525
	2500														5	500
	2375														5	475
	2250														4	562
	2205														4	550
	2125														4	531
	2080														4	520
	2000														4	500
	1955														4	488
	1875														4	468
			3 → 2070			4 → 2740				5					Number of panels per door section	
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
		LZ														

Doors up to 3000 × 2625 mm, with tension spring assembly

A Number of door sections

B Door section height

RM Grid height

LZ Clear frame dimensions (from 2000)

→ Up to width

Special equipment

Ventilation

- Ventilation slots in bottom door section, ventilation cross section 65 cm² for one metre door width
- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width

Glazing options – Panel glazing

- Clear or crystal structure panes, 3 mm
- Designs S0, S1, S2
 - Designs S10 and S20 (see page 23)

Sectional Door EPU 40

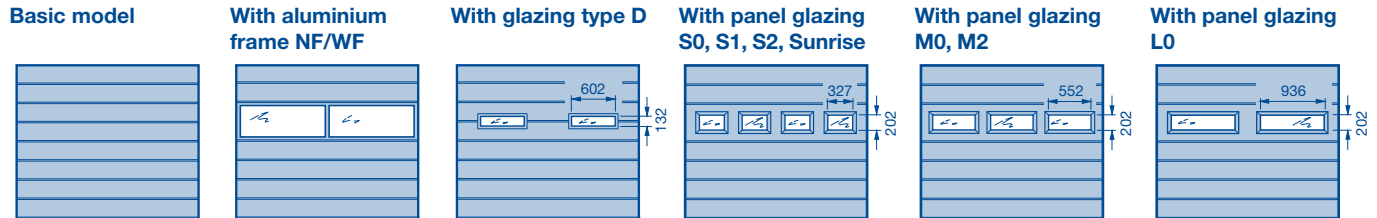
Double-skinned steel sections

M-ribbed

Woodgrain

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights on request.

												A	B	C				
RM	3000												6	500	250			
	2875												6	479	239			
	2750												5	550	275			
	2625												5	525	262			
	2500												5	500	250			
	2375												5	475	237			
	2250												4	562	281			
	2205												4	550	275			
	2125												4	531	265			
	2080												4	520	260			
	2000												4	500	250			
	1955												4	488	244			
	1875												4	468	234			
		4		6		8		10		No. of ventilation grilles with 40 cm ² ventilation cross section each								
		2		3		4		5		No. of glazings – aluminium frame and type D								
	3 → 2125	4		5		6		7		8		No. of glazings – type S						
	2 → 2240	3 → 2970		4 → 3690		5 → 4420		6		No. of glazings – type M								
		2 → 3400				3 → 4490				4				No. of glazings – type L				
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000				
		LZ																

- Doors up to 3000 × 2625 mm, with tension spring assembly
- A** Number of door sections
- B** Door section height
- C** Spacings
- RM** Grid height
- LZ** Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 23)

Sectional Door EPU 40

Double-skinned steel sections

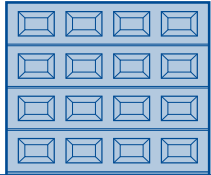
S-panelled

Woodgrain

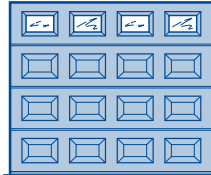
External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)

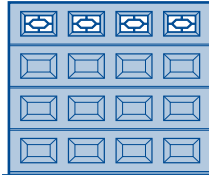
Basic model



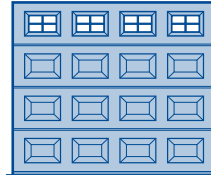
Design S0



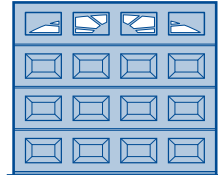
Design S1 with decorative rail (rhombus)



Design S2 with decorative rail (cross)

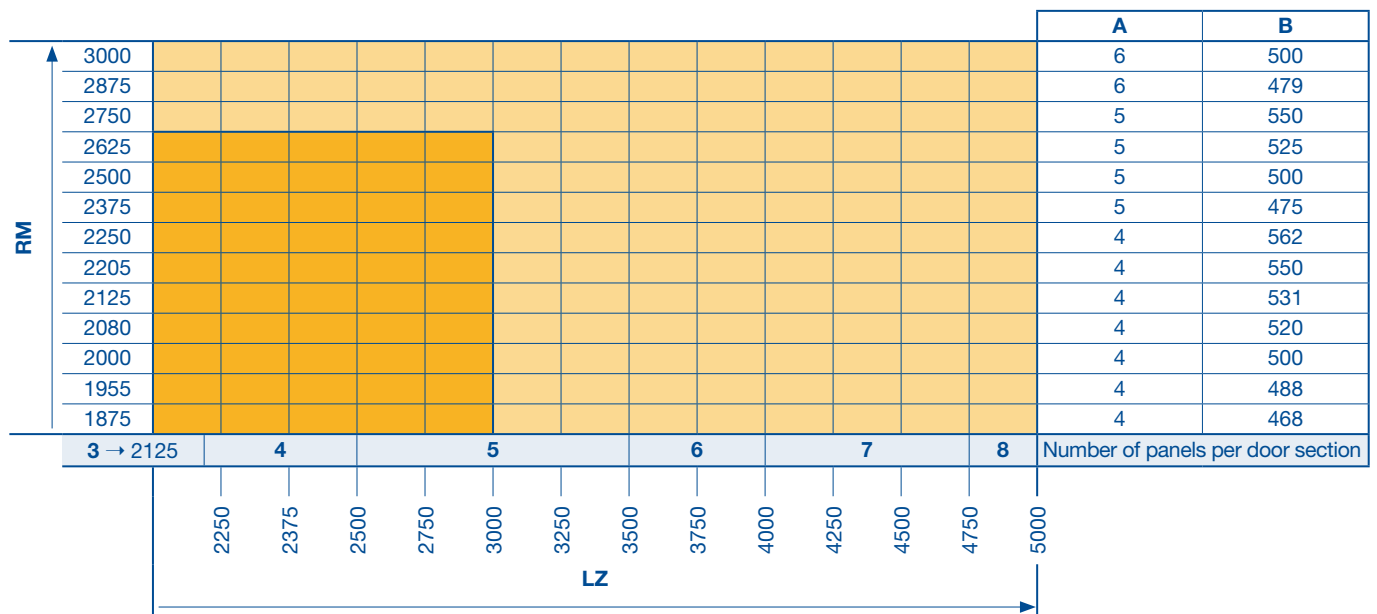


Design S10



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are not possible.



- Doors up to 3000 × 2625 mm, with tension spring assembly
- A** Number of door sections
- B** Door section height
- RM** Grid height
- LZ** Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width

Glazing options – Panel glazing

- Clear or crystal structure double panes, 16 mm
- Designs S0, S1, S2
 - Designs S10, S20, S30, S40, S50, S60 (see page 23)

Sectional Door LPU 40

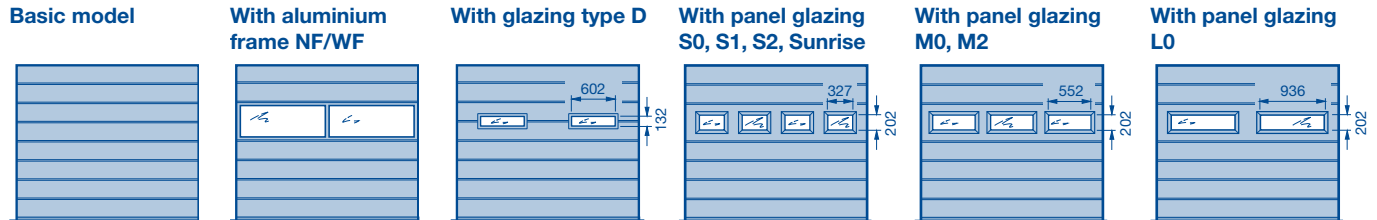
Double-skinned steel sections

M-ribbed

Woodgrain

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

												A	B	C			
RM	3000											6	500	250			
	2875											6	479	239			
	2750											5	550	275			
	2625											5	525	262			
	2500											5	500	250			
	2375											5	475	237			
	2250											4	562	281			
	2205											4	550	275			
	2125											4	531	265			
	2080											4	520	260			
	2000											4	500	250			
	1955											4	488	244			
1875											4	468	234				
		4		6		8		10		No. of ventilation grilles with 40 cm ² ventilation cross section each							
		2		3		4		5		No. of glazings – aluminium frame and type D							
3 → 2125		4		5		6		7		8		No. of glazings – type S					
2 → 2240		3 → 2970		4 → 3690		5 → 4420		6 → 5140		7		No. of glazings – type M					
		2 → 3400				3 → 4490				4		No. of glazings – type L					
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	LZ

- Doors up to 3000 × 2625 mm, with tension spring assembly
- A** Number of door sections
- B** Door section height
- C** Spacings
- RM** Grid height
- LZ** Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 23)

Sectional Door LPU 40

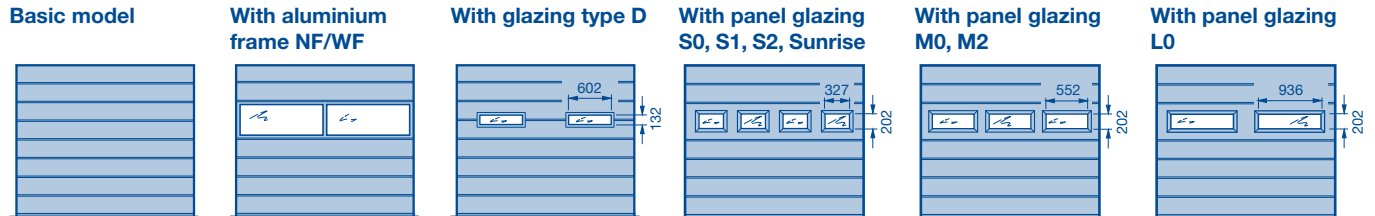
Double-skinned steel sections

M-ribbed

Silkgrain

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

													A	B	C			
RM	3000												6	500	250			
	2875																	
	2750												5	550	275			
	2625																	
	2500												5	500	250			
	2375												5	475	237			
	2250												4	562	281			
	2205												4	550	275			
	2125												4	531	265			
	2080												4	520	260			
	2000												4	500	250			
	1955												4	488	244			
	1875												4	468	234			
	4				6				8				10			No. of ventilation grilles with 40 cm ² ventilation cross section each		
	2				3				4				5			No. of glazings – aluminium frame and type D		
	3 → 2125		4		5		6		7		8					No. of glazings – type S		
	2 → 2240		3 → 2970			4 → 3690			5 → 4420			6 → 5140		7		No. of glazings – type M		
	2 → 3400						3 → 4490				4			No. of glazings – type L				
	2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500			
	LZ																	

- Doors up to 3000 × 2625 mm, with tension spring assembly
- A** Number of door sections
- B** Door section height
- C** Spacings
- RM** Grid height
- LZ** Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 23)

Sectional Door LPU 40

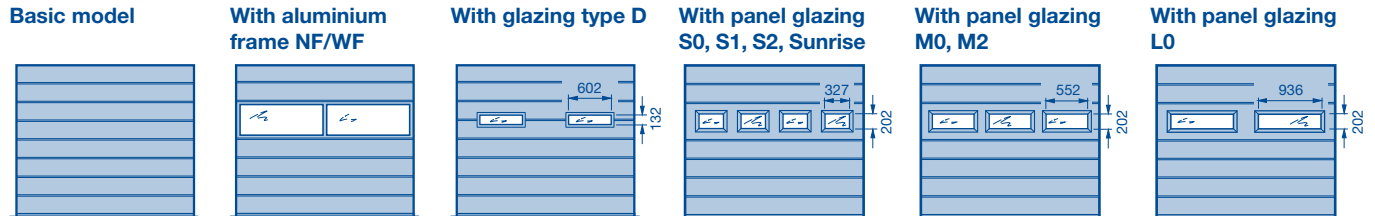
Double-skinned steel sections

M-ribbed

Micrograin

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

													A	B	C					
RM	3000												6	500	250					
	2875																			
	2750												5	550	275					
	2625																			
	2500												5	500	250					
	2375												5	475	237					
	2250												4	562	281					
	2205												4	550	275					
	2125												4	531	265					
	2080												4	520	260					
	2000												4	500	250					
	1955												4	488	244					
	1875												4	468	234					
	4				6				8				10			No. of ventilation grilles with 40 cm ² ventilation cross section each				
	2				3				4				5			No. of glazings – aluminium frame and type D				
	3 → 2125		4		5		6		7		8					No. of glazings – type S				
	2 → 2240		3 → 2970			4 → 3690			5 → 4420			6 → 5140		7				No. of glazings – type M		
	2 → 3400						3 → 4490				4						No. of glazings – type L			
	2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500					
	LZ																			

- Doors up to 3000 × 2625 mm, with tension spring assembly
- A** Number of door sections
- B** Door section height
- C** Spacings
- RM** Grid height
- LZ** Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 23)

Sectional Door LPU 40

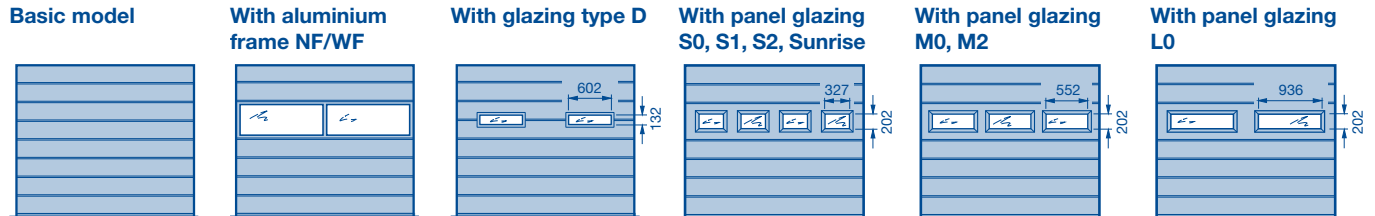
Double-skinned steel sections

M-ribbed

Decrain

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

												A	B	C		
RM	3000											6	500	250		
	2875															
	2750											5	550	275		
	2625															
	2500											5	500	250		
	2375											5	475	237		
	2250											4	562	281		
	2205											4	550	275		
	2125											4	531	265		
	2080											4	520	260		
	2000											4	500	250		
1955											4	488	244			
1875											4	468	234			
	4				6		8			10			No. of ventilation grilles with 40 cm ² ventilation cross section each			
	2		3		4				5		No. of glazings – aluminium frame and type D					
	3 → 2125	4		5		6		7		8		No. of glazings – type S				
	2 → 2240	3 → 2970			4 → 3690		5 → 4420		6 → 5140		7		No. of glazings – type M			
		2 → 3400				3 → 4490			4			No. of glazings – type L				
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
		LZ														

- Doors up to 3000 × 2625 mm, with tension spring assembly
- A** Number of door sections
- B** Door section height
- C** Spacings
- RM** Grid height
- LZ** Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 23)

Sectional Door LPU 40

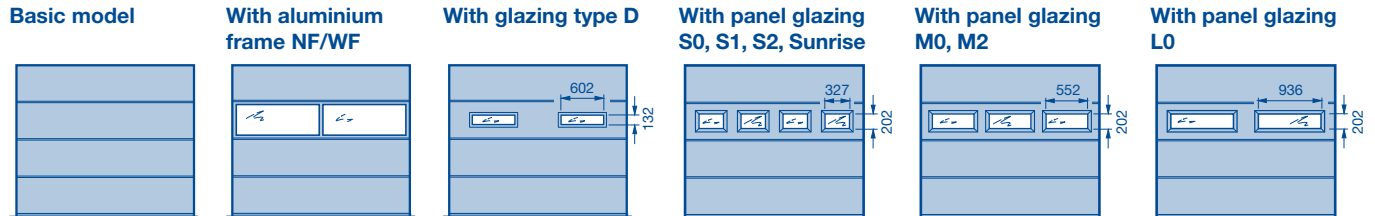
Double-skinned steel sections

L-ribbed

Woodgrain

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

RM											A	B				
	3000											6	500			
2875											6	479				
2750											5	550				
2625											5	525				
2500											5	500				
2375											5	475				
2250											4	562				
2205											4	550				
2125											4	531				
2080											4	520				
2000											4	500				
1955											4	488				
1875											4	468				
		4	6	8	10	No. of ventilation grilles with 40 cm ² ventilation cross section each										
		3	3	4	5	No. of glazings – aluminium frame and type D										
	3 → 2125	4	5	6	7	8	No. of glazings – type S									
	2 → 2240	3 → 2970	4 → 3690	5 → 4420	6 → 5140	7	No. of glazings – type M									
		2 → 3400	3 → 4490	4	No. of glazings – type L											
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
		LZ														

- Doors up to 3000 × 2625 mm, with tension spring assembly
- A** Number of door sections
- B** Door section height
- RM** Grid height
- LZ** Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 23)

Sectional Door LPU 40

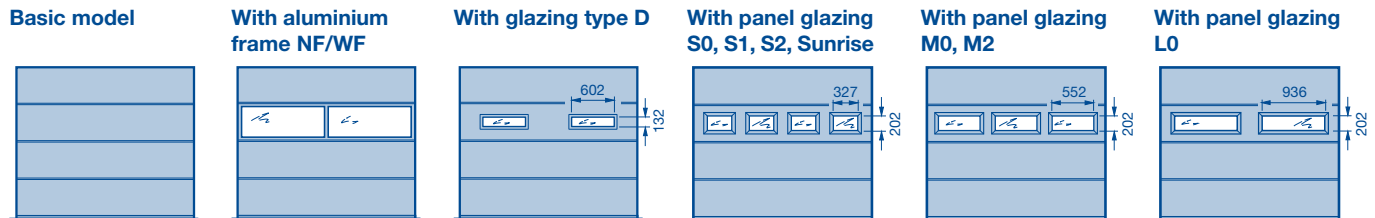
Double-skinned steel sections

L-ribbed

Silkgrain

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

RM											A	B			
	3000											6	500		
2875															
2750											5	550			
2625															
2500											5	500			
2375											5	475			
2250											4	562			
2205											4	550			
2125											4	531			
2080											4	520			
2000											4	500			
1955											4	488			
1875											4	468			
	4				6		8		10		No. of ventilation grilles with 40 cm ² ventilation cross section each				
	2		3		4		5				No. of glazings – aluminium frame and type D				
	3 → 2125	4	5	6	7	8					No. of glazings – type S				
	2 → 2240	3 → 2970	4 → 3690	5 → 4420	6 → 5140	7					No. of glazings – type M				
	2 → 3400			3 → 4490		4						No. of glazings – type L			
	2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
	LZ														

- Doors up to 3000 × 2625 mm, with tension spring assembly
- A** Number of door sections
- B** Door section height
- RM** Grid height
- LZ** Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 23)

Sectional Door LPU 40

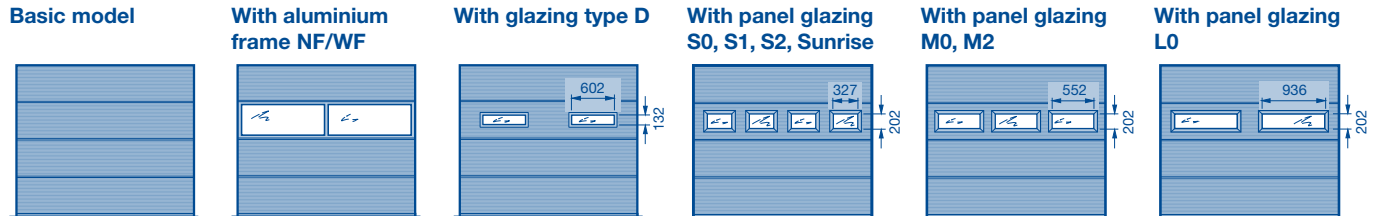
Double-skinned steel sections

L-ribbed

Micrograin

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

RM												A	B			
	3000												6	500		
2875																
2750												5	550			
2625																
2500												5	500			
2375												5	475			
2250												4	562			
2205												4	550			
2125												4	531			
2080												4	520			
2000												4	500			
1955												4	488			
1875												4	468			
		4		6		8		10	No. of ventilation grilles with 40 cm ² ventilation cross section each							
		2		3		4		5	No. of glazings – aluminium frame and type D							
	3 → 2125	4		5		6	7	8	No. of glazings – type S							
	2 → 2240	3 → 2970	4 → 3690	5 → 4420	6 → 5140	7	No. of glazings – type M									
		2 → 3400	3 → 4490	4	No. of glazings – type L											
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
		LZ														

- Doors up to 3000 × 2625 mm, with tension spring assembly
- A** Number of door sections
- B** Door section height
- RM** Grid height
- LZ** Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 23)

Sectional Door LPU 40

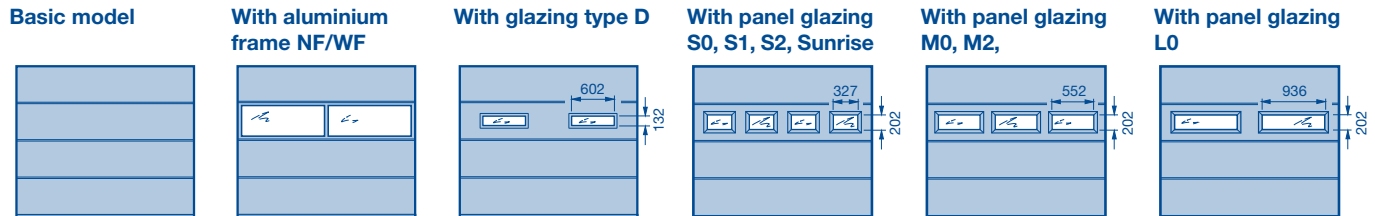
Double-skinned steel sections

L-ribbed

Decograin

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

RM											A	B				
	3000											6	500			
2875																
2750											5	550				
2625																
2500											5	500				
2375											5	475				
2250											4	562				
2205											4	550				
2125											4	531				
2080											4	520				
2000											4	500				
1955											4	488				
1875											4	468				
		4		6		8		10			No. of ventilation grilles with 40 cm ² ventilation cross section each					
		2		3		4		5			No. of glazings – aluminium frame and type D					
	3 → 2125	4		5		6		7		8	No. of glazings – type S					
	2 → 2240	3 → 2970		4 → 3690		5 → 4420		6 → 5140		7	No. of glazings – type M					
		2 → 3400				3 → 4490			4		No. of glazings – type L					
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
		LZ														

- Doors up to 3000 × 2625 mm, with tension spring assembly
- A** Number of door sections
- B** Door section height
- RM** Grid height
- LZ** Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 23)

Sectional Door LPU 40

Double-skinned steel sections

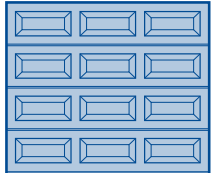
S-panelled

Woodgrain

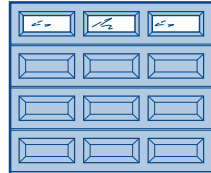
External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)

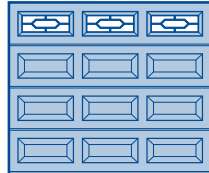
Basic model



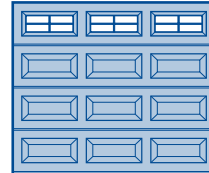
Design M0



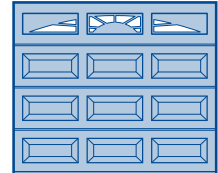
Design M1 with decorative rail (rhombus)



Design M2 with decorative rail (cross)

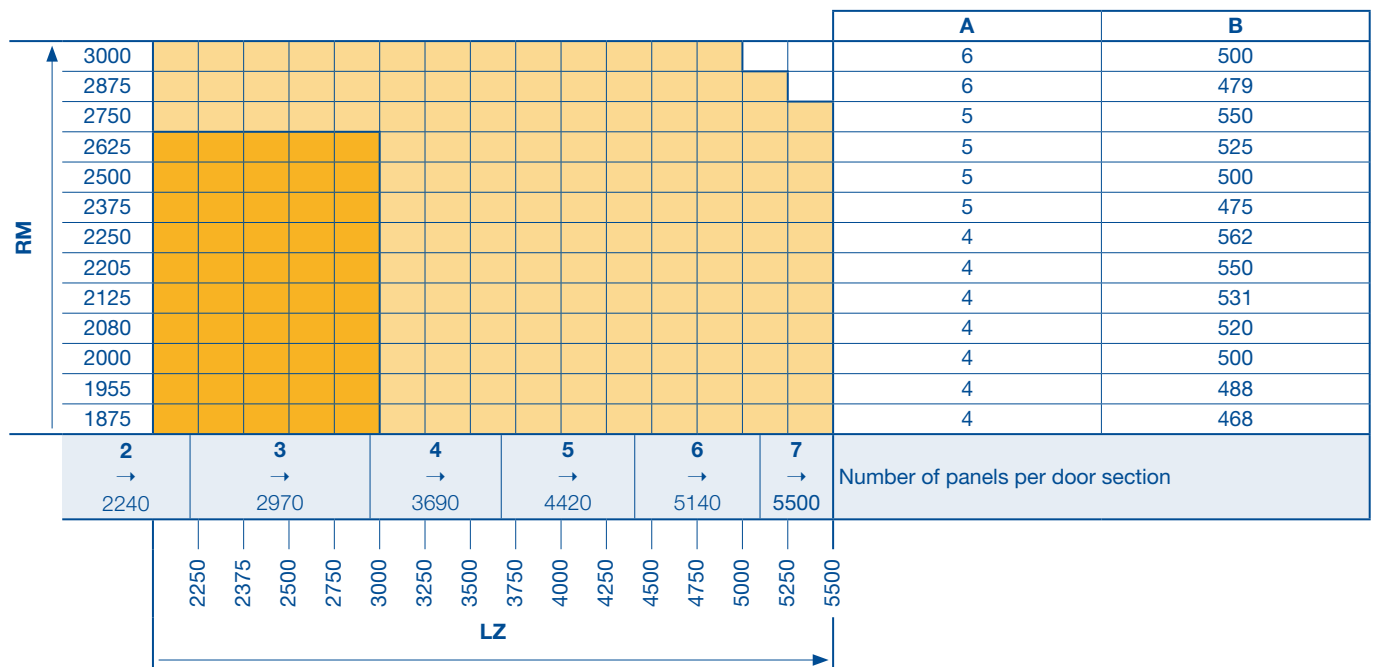


Design M10



Size range

Door width in 5 mm increments, door height only in one of the grid heights shown. Intermediate heights are not possible.



- Doors up to 3000 × 2625 mm, with tension spring assembly
- A** Number of door sections
- B** Door section height
- RM** Grid height
- LZ** Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width

Glazing options – Panel glazing

- Clear or crystal structure double panes, 16 mm
- Designs M0, M1, M2
- Designs M10, M20, M30, M40, M50 (see page 23)

Sectional Door LPU 40

Double-skinned steel sections

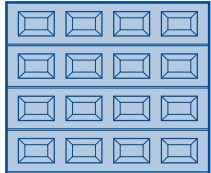
S-panelled

Decograin

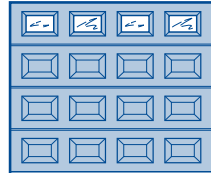
External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)

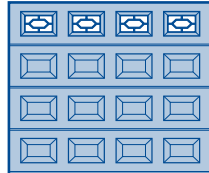
Basic model



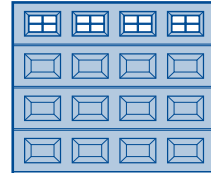
Design S0



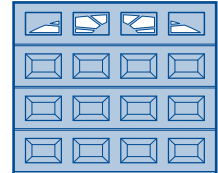
Design S1 with decorative rail (rhombus)



Design S2 with decorative rail (cross)



Design S10



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are not possible.

										A	B
RM	3000									6	500
	2875										
	2750										
	2625										
	2500									5	500
	2375									5	475
	2250									4	562
	2205										
	2125									4	531
	2080										
	2000									4	500
	1955										
	1875									4	468
		3 → 2125	4	5	6	7	8	Number of panels per door section			
		<div style="display: flex; justify-content: space-between; align-items: center;"> 2250 2375 2500 2750 3000 3250 3500 3750 4000 4250 4500 4750 5000 5250 5500 </div>									
		LZ									

Doors up to 3000 × 2625 mm, with tension spring assembly

A Number of door sections

B Door section height

RM Grid height

LZ Clear frame dimensions (from 2000)

→ Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width

Glazing options – Panel glazing

Clear or crystal structure double panes, 16 mm

- Designs S0, S1, S2
- Designs S10, S20, S30, S40, S50, S60 (see page 23)

Sunrise Glazing

For sectional doors

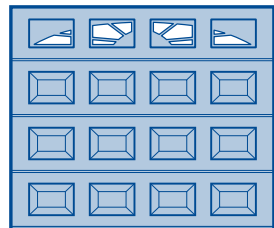
LTE 40/EPU 40/LPU 40

External views

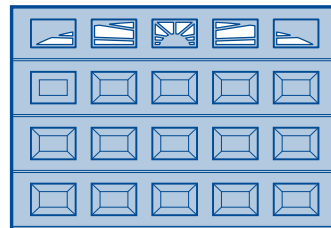
Sunrise glazing for sectional doors LTE 40/EPU 40 for standard and special sizes

Glazing options for S-panelled type (not possible for doors with 3 panels for each section)

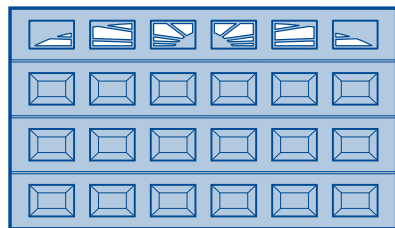
Motiv S10



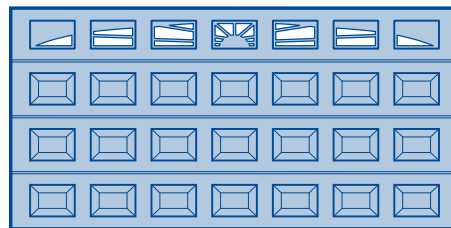
Motiv S20



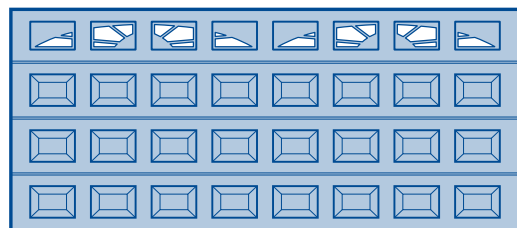
Motiv S30



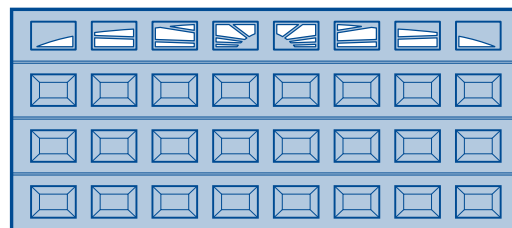
Motiv S40



Motiv S50



Motiv S60



Design element

For sectional doors

LPU 40, L-ribbed

Silkgrain

External views

Door view

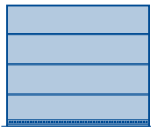
2500 × 2125 mm

Door view

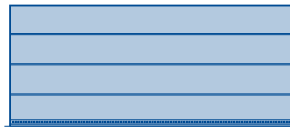
5000 × 2125 mm

Side door view

1000 × 2125 mm



Style 450



Similar to entrance door 693



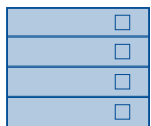
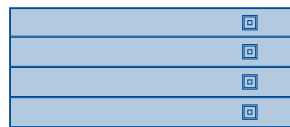
Style 451/461¹⁾



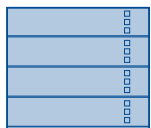
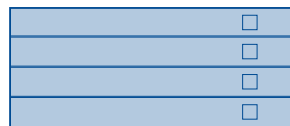
Similar to entrance door 173



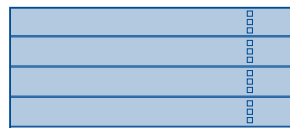
Style 452/462¹⁾



Style 454



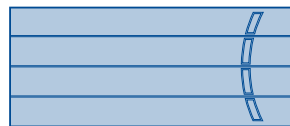
Style 456



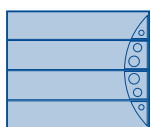
Similar to entrance door 866



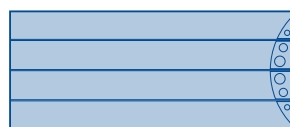
Style 457



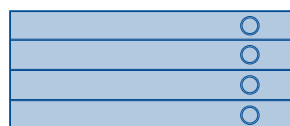
Similar to entrance door 188



Style 458



Style 459/469¹⁾



¹⁾ Glazing with double glazing

Sectional Door LPU 40 with Wicket Door

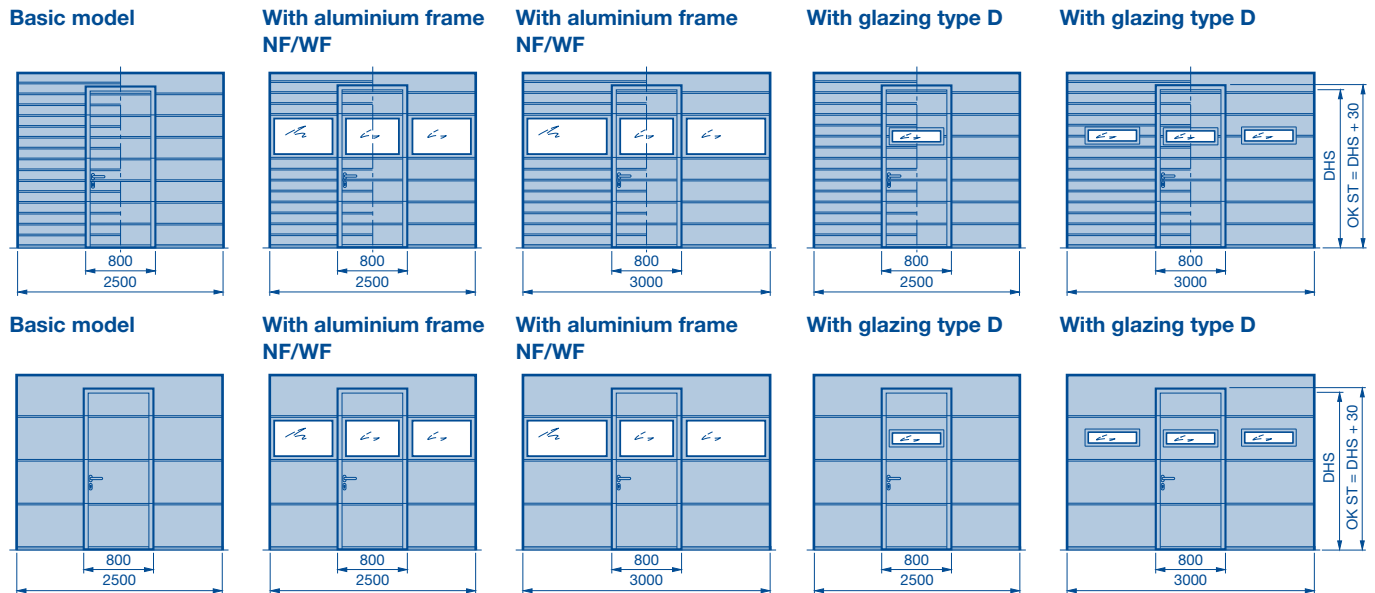
Double-skinned steel sections

S-ribbed, M-ribbed, L-ribbed

Woodgrain, Micrograin or Decograin

External views

(The illustrations correspond to door height 2125 mm. Deviations may occur with other door heights. The floor surface in front of the garage must be level or sloped to guarantee smooth opening of the wicket door (opening outwards) due to the low threshold height – see page 50.)



Wicket doors

The wicket doors are always in four parts and in the S-ribbed version, only with even spacing of the ribs. The clear passage width of the wicket door is 800 mm and the threshold height starts at 5 mm and increases to 10 mm.

Beyond their standard arrangement, wicket doors **without** glazing can be offset to a fixed edge distance of 500 mm.

Size range

Door width in 5 mm increments. Door heights in one of the grid heights. Intermediate heights from 5 door sections on request. See track applications for the ceiling height and clear passage (pages 39 – 40). **Please observe the size ranges of the door types.**

		A	B	C	D	DrH		
RM	3000	6	500	1955	1955	831		
	2875	6	479	1871	1871	799		
	2750	5	550	2155	2155	906		
	2625	5	525	2055	2055	868		
	2500	5	500	1955	1955	831		
	2375	5	475	1855	1855	793		
	2250	4	562	2123	2203	924		
	2205	4	550	2075	2155	906		
	2125	4	531	1999	2079	877		
	2080	4	520	1955	2035	861		
	2000	4	500	1875	1955	831		
	1955	4	488	1827	1907	813		
	1875	4	468	1747	1827	782		
	3 → 2500		5 → 3500		7 → 4000		No. of ventilation grilles with 40 cm ² ventilation cross section each	
1 → 2500		3 → 3500		4 → 4000		No. of infills in aluminium frame per door section		
1 → 2370		3 → 3500		4 → 4000		No. of type D glazings per door section		
1 → 2370		3 → 3500		4 → 4000		No. of type S glazings per door section		
2375		2500	2750	3000	3250	3500	3750	4000
LZ								

- A** Number of door sections
- B** Door section height
- C** Clear passage height of wicket door (DHS)
- D** Clear passage height of the wicket door (DHS) with top glazing type D, S, M
- DrH** Lever height
- RM** Grid height
- LZ** Clear frame dimensions (from 2250)
- OK ST** Top edge of wicket door
- Up to width
- Grid heights RM not possible with Decograin and Micrograin

Note:

From LZ ≥ 3510 mm the wicket door is set off-centre! Sectional door with wicket door only possible with track application N or L!

Note:

For doors up to RM 2250 and with top glazing type D, S, M, the distance from FFL to the bottom edge of the lintel must be equal to or greater than the ordering size (RM).

Ventilation via S/M/L-ribbed panels

- Ventilation grille, ventilation cross section 40 cm² each arrangement



- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm

Sectional Door LPU 40 with Wicket Door

Double-skinned steel sections

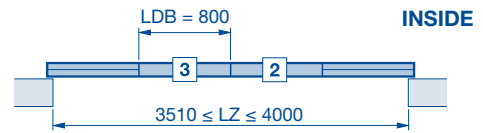
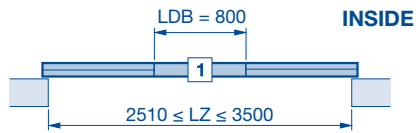
S-ribbed, M-ribbed, L-ribbed

Woodgrain, Micrograin or Decograin

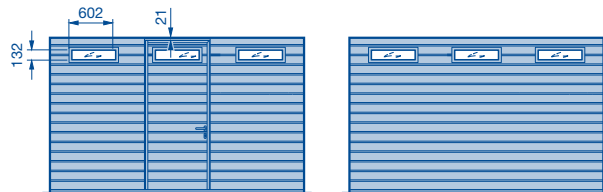
Matching external view for doors with glazing

External views

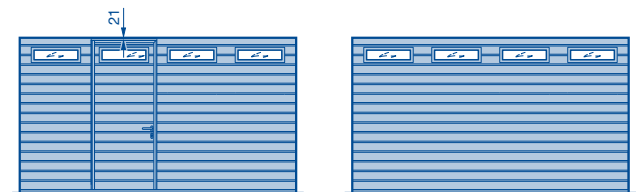
External views



Glazing type D



Glazing type D



Glazing type S



Glazing type S



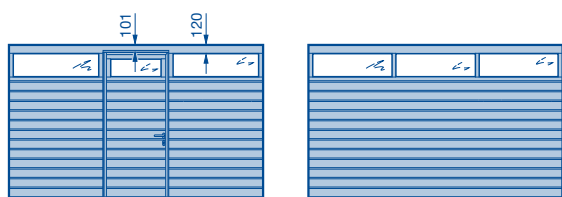
Glazing type M



Glazing type M



Aluminium frame NF/WF



Aluminium frame NF/WF



The illustrations correspond to door height 2125 mm and arrangement 3.

Sectional Door LPU 40 with Wicket Door

Double-skinned steel sections

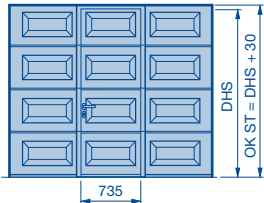
S-panelled

Woodgrain / Decograin

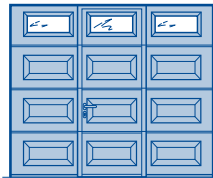
External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes. The floor surface in front of the garage must be level or sloped to guarantee smooth opening of the wicket door (opening outwards) due to the low threshold height – see page 50.)

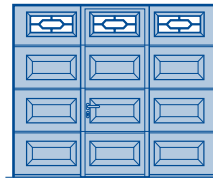
Basic model



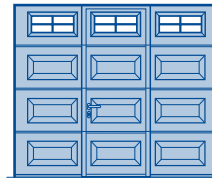
Design S0



Design S1 with decorative rail (rhombus)



Design S2 with decorative rail (cross)



Wicket doors

The wicket doors are always in four parts. The clear passage width of the wicket door is 735 mm and the threshold height starts at 5 mm and increases to 10 mm.

Size range

Door width in 5 mm increments, door height only in grid height. Intermediate heights are not possible. See track applications for the ceiling height and clear passage (pages 39 – 40). **A wicket door is not possible in the range of $2980 \leq LZ \leq 3150/3700 \leq LZ \leq 3900!$**

RM				A	B	C	DrH			
	3 → 2970	4 → 3690	5							
3000				6	500	1955	831			
2875				6	479	1871	799			
2750				5	550	2155	906			
2625				5	525	2055	868			
2500				5	500	1955	831			
2375				5	475	1855	793			
2250				4	562	2203	924			
2205				4	550	2155	906			
2125				4	531	2079	877			
2080				4	520	2035	861			
2000				4	500	1955	831			
1955				4	488	1907	813			
				Number of panels/panel glazings per door section						
				2500	2750	3000	3250	3500	3750	4000
				LZ						

A	Number of door sections
B	Door section height
C	Clear passage height of wicket door (DHS)
DrH	Lever height
RM	Grid height
LZ	Clear frame dimensions (from 2250)
OK ST	Top edge of wicket door
→	Up to width
•	Grid height RM not possible for Decograin

Note:

With 4 panels, the wicket door is set off-centre!
Sectional door with wicket door only possible with track application N or L!

Note:

For doors up to RM 2250 the distance from FFL to the bottom edge of the lintel must be equal to or greater than the ordering size (RM).

Special equipment

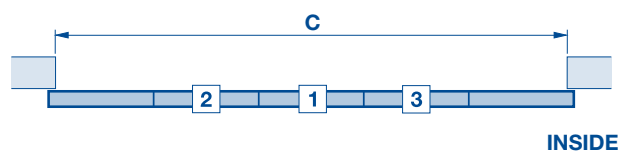
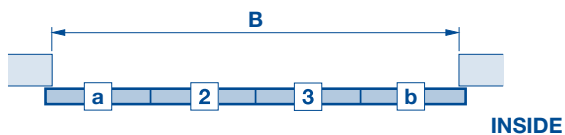
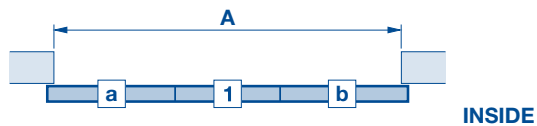
Glazing options – Panel glazing

Clear or crystal structure double panes, 16 mm

- Design S0
- Design S1
- Design S2
- Designs S10, S20 (see page 21)

Sectional Door LPU 40 with Wicket Door

Arrangement of the wicket door



Note:

Arrangement "a" and "b" only for S, M and L-ribbing without glazing. 500 mm fixed distance from the edge.

Note:

Wicket door only opening outwards.

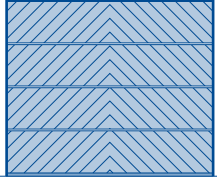
	A	B	C
Sectional door, S, M or L-ribbed	2250 – 3500	3510 – 4000	–
Sectional door, S-panelled	2250 – 2500	2505 – 3250	3255 – 4000

Sectional Door LTH 40 with Special Designs

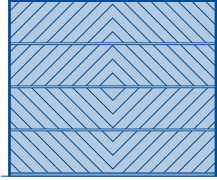
Nordic Pine/Hemlock

External views

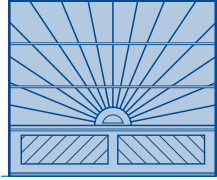
Style 401



Style 402



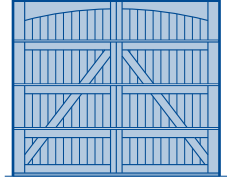
Style 403



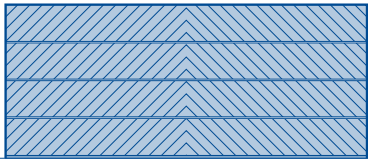
Style 404



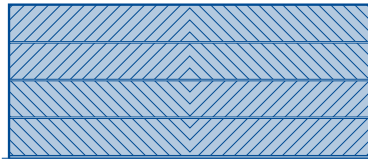
Style 405



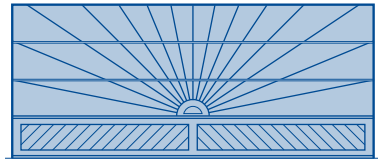
Style 401



Style 402



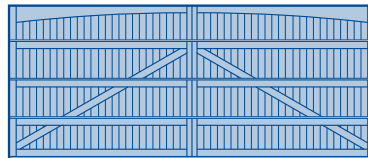
Style 403



Style 404



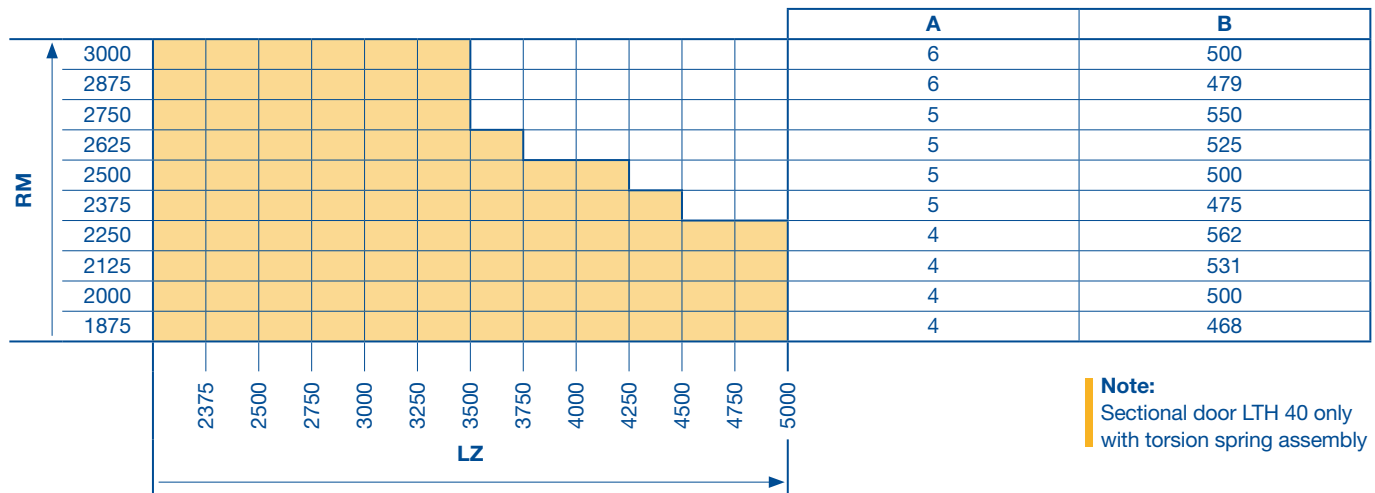
Style 405



The illustrations correspond to the proportions for size 2500 × 2125 mm (top row) as well as the sizes 5000 × 2125 mm (centre and bottom row). Deviations may occur with other sizes.

Size range

Door width in 10 mm increments. Intermediate heights on request. Further designs on request.



Note:
Sectional door LTH 40 only
with torsion spring assembly

A Number of door sections

LZ Clear frame dimensions (from 2250)

B Door section height

RM Grid height

Ventilation

- Ventilation slots in bottom seal (standard), ventilation cross section 65 cm² for one metre door width

Sectional Door LPU 40

Double-skinned steel sections, fitting in front of the reveal

S-ribbed

Woodgrain

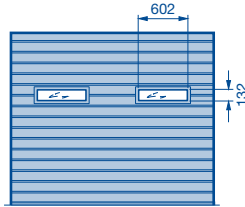
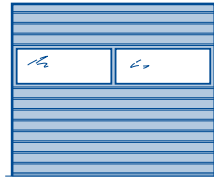
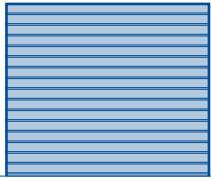
External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)

Basic model

With aluminium frame
NF/WF

With glazing type D



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

													A	B	C				
RM	2205														4	550	138		
	2125														4	531	133		
	2080														4	520	130		
	2000														4	500	125		
	1955														4	488	122		
	1875														4	468	117		
		4		6													No. of ventilation grilles with 40 cm ² ventilation cross section each		
		2		3													Number of infills per door section with glazing		
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000					
		LZ																	

Doors up to 3000 × 2500 mm, with tension spring assembly

A Number of door sections

B Door section height

C Spacings

RM Grid height

LZ Clear frame dimensions (from 2000)

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 21)

Sectional Door LPU 40

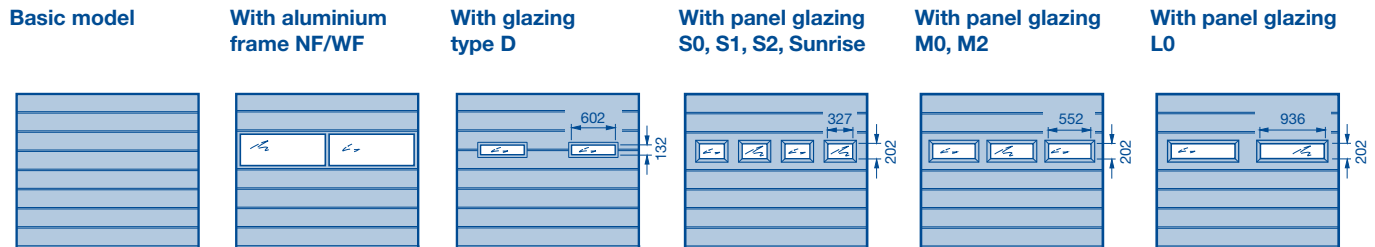
Double-skinned steel sections, fitting in front of the reveal

M-ribbed

Woodgrain

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

												A	B	C			
RM	2205											4	550	275			
	2125											4	531	265			
	2080											4	520	260			
	2000											4	500	250			
	1955											4	488	244			
	1875											4	468	234			
		4	6											No. of ventilation grilles with 40 cm ² ventilation cross section each			
		2	3											No. of glazings – aluminium frame and type D			
	3 → 2125	4	5											No. of glazings – type S			
	2 → 2240	3												No. of glazings – type M			
		2												No. of glazings – type L			
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000			
		LZ															

- A Number of door sections
- B Door section height
- C Spacings
- RM Grid height

- LZ Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 21)

Sectional Door LPU 40

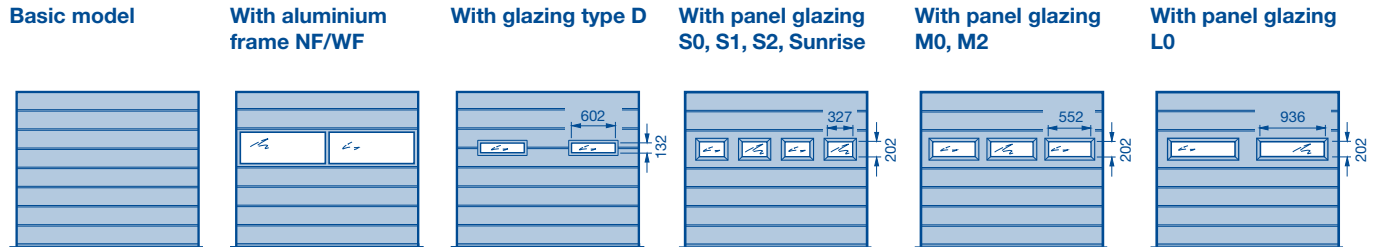
Double-skinned steel sections, fitting in front of the reveal

M-ribbed

Silkgrain

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

												A	B	C		
RM	2205												4	550	275	
	2125												4	531	265	
	2080												4	520	260	
	2000												4	500	250	
	1955												4	488	244	
	1875												4	468	234	
		4	6											No. of ventilation grilles with 40 cm ² ventilation cross section each		
		2	3											No. of glazings – aluminium frame and type D		
	3 → 2125	4	5											No. of glazings – type S		
	2 → 2240	3												No. of glazings – type M		
		2												No. of glazings – type L		
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
		LZ														

- A Number of door sections
- B Door section height
- C Spacings
- RM Grid height

- LZ Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 21)

Sectional Door LPU 40

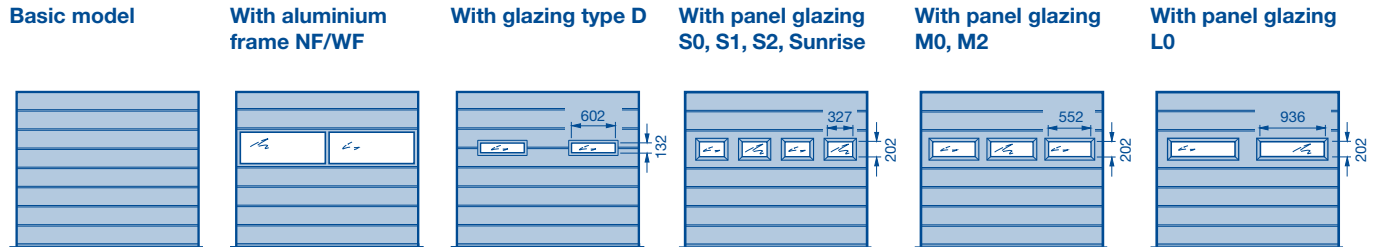
Double-skinned steel sections, fitting in front of the reveal

M-ribbed

Micrograin

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

												A	B	C		
RM	2205												4	550	275	
	2125												4	531	265	
	2080												4	520	260	
	2000												4	500	250	
	1955												4	488	244	
	1875												4	468	234	
		4	6											No. of ventilation grilles with 40 cm ² ventilation cross section each		
		2	3											No. of glazings – aluminium frame and type D		
	3 → 2125	4	5											No. of glazings – type S		
	2 → 2240	3												No. of glazings – type M		
		2												No. of glazings – type L		
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
		LZ														

- A Number of door sections
- B Door section height
- C Spacings
- RM Grid height

- LZ Clear frame dimensions (from 2000)
- Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 21)

Sectional Door LPU 40

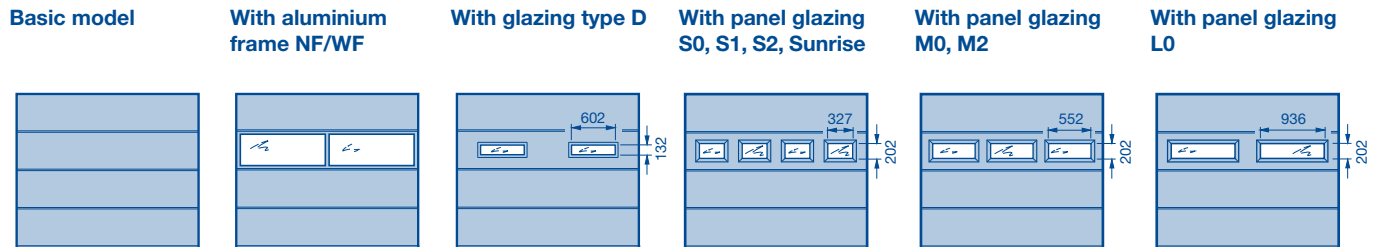
Double-skinned steel sections, fitting in front of the reveal

L-ribbed

Woodgrain

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

												A	B			
RM	2205												4	550		
	2125												4	531		
	2080												4	520		
	2000												4	500		
	1955												4	488		
	1875												4	468		
		4	6											No. of ventilation grilles with 40 cm ² ventilation cross section each		
		2	3											No. of glazings – aluminium frame and type D		
	3 → 2125	4	5											No. of glazings – type S		
	2 → 2240	3												No. of glazings – type M		
		2												No. of glazings – type L		
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	LZ	

A Number of door sections
B Door section height
RM Grid height

LZ Clear frame dimensions (from 2000)
 → Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 21)

Sectional Door LPU 40

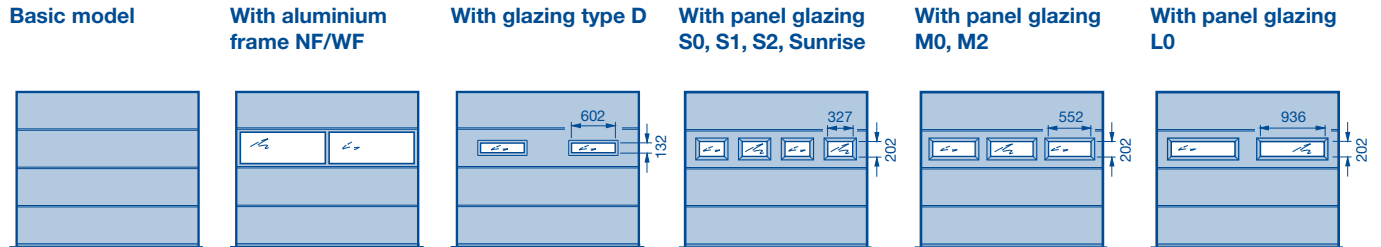
Double-skinned steel sections, fitting in front of the reveal

L-ribbed

Silkgrain

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

												A	B			
RM	2205												4	550		
	2125												4	531		
	2080												4	520		
	2000												4	500		
	1955												4	488		
	1875												4	468		
		4	6											No. of ventilation grilles with 40 cm ² ventilation cross section each		
		2	3											No. of glazings – aluminium frame and type D		
	3 → 2125	4	5											No. of glazings – type S		
	2 → 2240	3												No. of glazings – type M		
		2												No. of glazings – type L		
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	LZ	

A Number of door sections

B Door section height

RM Grid height

LZ Clear frame dimensions (from 2000)

→ Up to width

Special equipment

Ventilation

- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 21)

Sectional Door LPU 40

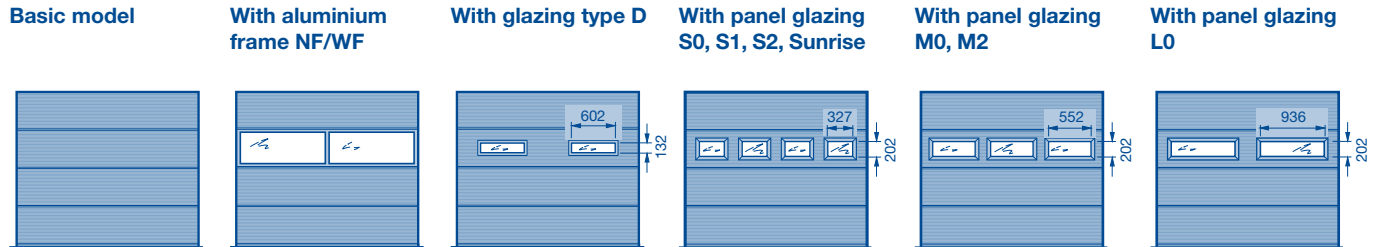
Double-skinned steel sections, fitting in front of the reveal

L-ribbed

Micrograin

External views

(The illustrations correspond to size 2500 × 2125 mm. Deviations may occur with other sizes.)



Size range

Door width in 5 mm increments, door height in grid height. Intermediate heights are possible.

		LZ										A	B			
RM	2205												4	550		
	2125												4	531		
	2080												4	520		
	2000												4	500		
	1955												4	488		
	1875												4	468		
		4	6											No. of ventilation grilles with 40 cm ² ventilation cross section each		
		2	3											No. of glazings – aluminium frame and type D		
	3 → 2125	4	5											No. of glazings – type S		
	2 → 2240	3												No. of glazings – type M		
		2												No. of glazings – type L		
		2250	2375	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		

A Number of door sections
B Door section height
RM Grid height

LZ Clear frame dimensions (from 2000)
 → Up to width

Special equipment

Ventilation

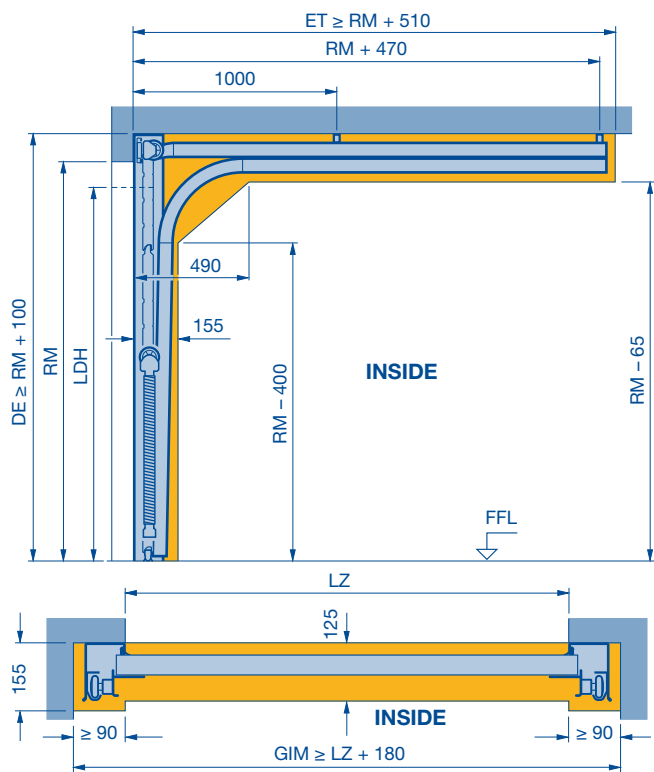
- Ventilation slots in bottom seal, ventilation cross section 65 cm² for one metre door width
- Ventilation grille, ventilation cross section 40 cm² each
- Aluminium frame with expanded mesh, 58% ventilation cross section

Glazing options

- Aluminium frame (standard profile NF or thermal break profile WF)
- Glazing type D, 16 mm
- Panel glazing type S, M, L, 22 mm (see page 21)

Track Applications: Z, N

Z: Tension spring track application



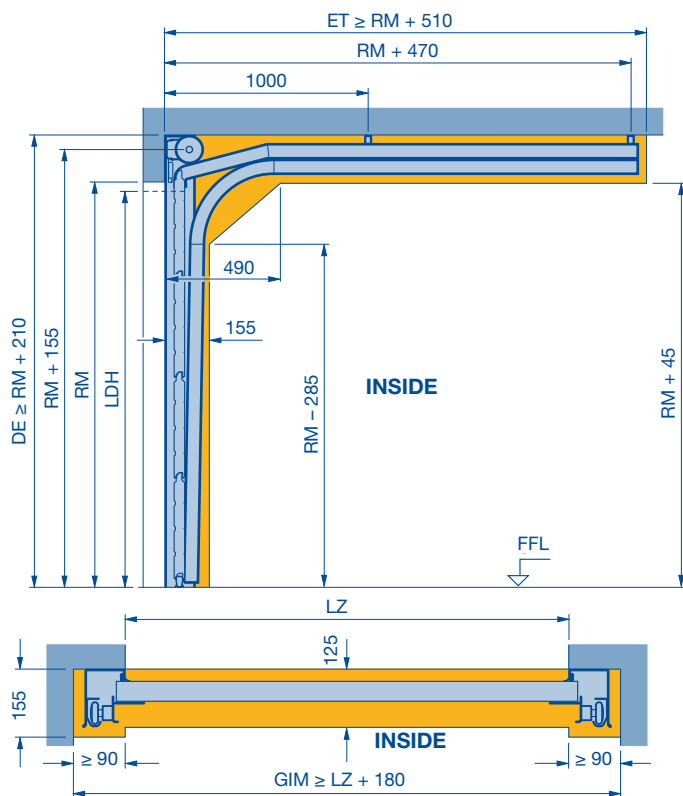
RM height	Manual operation		With operator		
	Min. DE	LDH	Min. DE	Min. DE with Thermo Frame	LDH
	RM + 100	RM - 80	RM + 115	RM + 145	RM - 30
1875	1975	1795	1990	2020	1845
1955	2055	1875	2070	2100	1925
2000	2100	1920	2115	2145	1970
2080	2180	2000	2195	2225	2050
2125	2225	2045	2240	2270	2095
2205	2305	2125	2320	2350	2175
2250	2350	2170	2365	2395	2220
2375	2475	2295	2490	2520	2345
2500	2600	2420	2615	2645	2470
2625	2725	2545	2740	2765	2595

- LDH** Clear passage height
- RM** Grid height
- LZ** Clear frame dimensions
- DE** Ceiling height
- ET** Distance back
- GIM** Inside garage dimension

Note:

The clearance for fitting and subsequent operation of the door must be complied with.

N: Normal track application



RM height	Manual operation		With operator		
	Min. DE	LDH	Min. DE	Min. DE with Thermo Frame	LDH
	RM + 210	RM - 50	RM + 210	RM + 225	RM
1875	2085	1825	2085	2130	1875
1955	2165	1905	2165	2210	1955
2000	2210	1950	2210	2255	2000
2080	2290	2030	2290	2335	2080
2125	2335	2075	2335	2380	2125
2205	2415	2155	2415	2460	2205
2250	2460	2200	2460	2505	2250
2375	2585	2325	2585	2630	2375
2500	2710	2450	2710	2755	2500
2625	2835	2575	2835	2880	2625
2750	2960	2700	2960	3005	2750
2875	3085	2825	3085	3130	2875
3000	3210	2950	3210	3255	3000

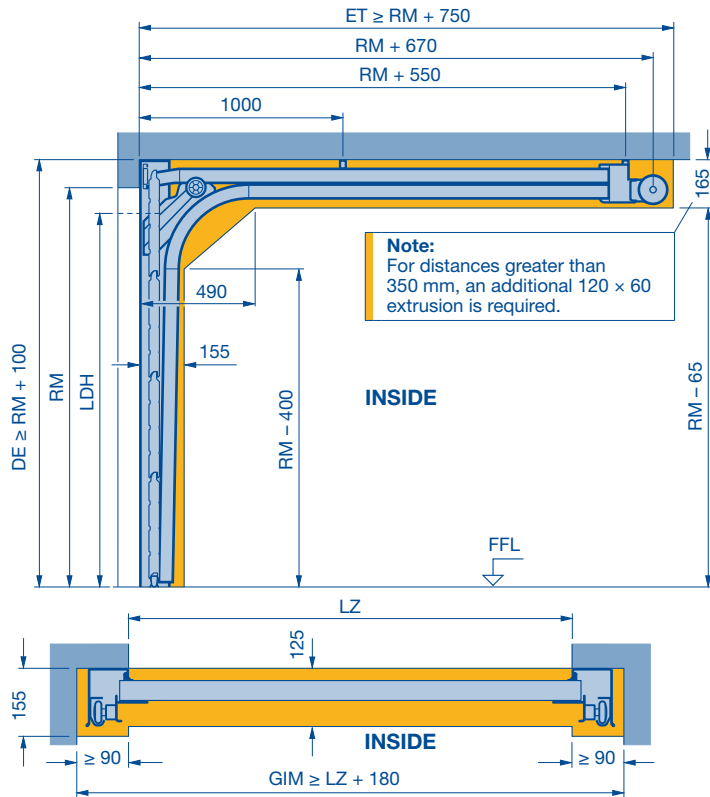
- LDH** Clear passage height
- RM** Grid height
- LZ** Clear frame dimensions
- DE** Ceiling height
- ET** Distance back
- GIM** Inside garage dimension

Note:

The clearance for fitting and subsequent operation of the door must be complied with.

Track Applications: L, H

L: Low headroom track application

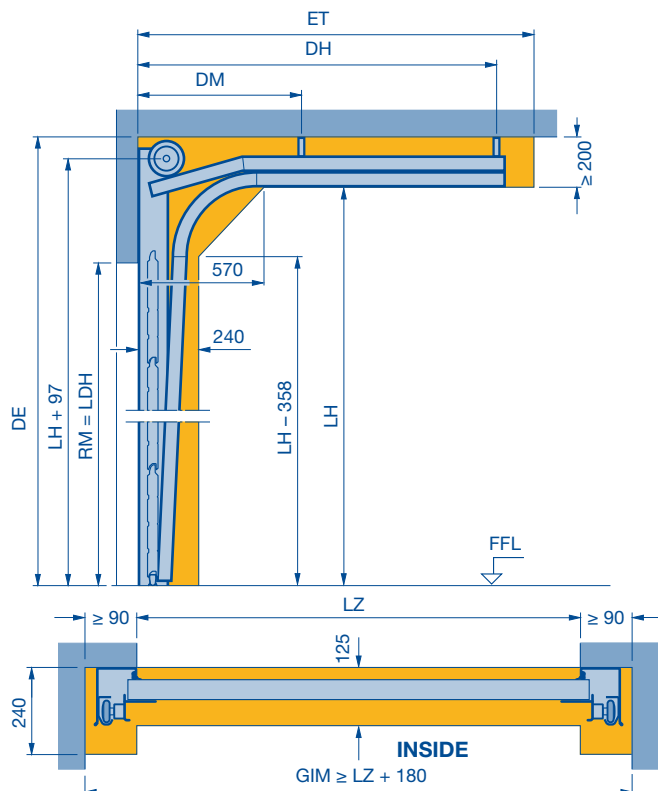


RM height	Manual operation		With operator			
	Min. DE	LDH	Min. DE	Min. DE with Thermo Frame	LDH Up to LZ = 3000 mm	LDH from LZ 3010 mm
	RM + 100	RM - 100	RM + 115	RM + 145	RM - 30	RM - 80
1875	1975	1775	1990	2020	1845	1795
1955	2055	1855	2070	2100	1925	1875
2000	2100	1900	2115	2145	1970	1920
2080	2180	1980	2195	2225	2050	2000
2125	2225	2025	2240	2270	2095	2045
2205	2305	2105	2320	2350	2175	2125
2250	2350	2150	2365	2395	2220	2170
2375	2475	2275	2490	2520	2345	2295
2500	2600	2400	2615	2645	2470	2420
2625	2725	2525	2740	2790	2595	2545
2750	2850	2650	2865	2895	2720	2670
2875	2975	2775	2990	3020	2845	2795
3000	3100	2900	3115	3145	2970	2920

LDH Clear passage height
RM Grid height
LZ Clear frame dimensions
DE Ceiling height
ET Distance back
GIM Inside garage dimension

Note:
 The clearance for fitting and subsequent operation of the door must be complied with.

H: High-lift track application



Not for EPU 40 and versions with wicket door.
 For LTH 40 doors, a SupraMatic operator is required!

Door height RM height	Track height			
	(1) with spring buffer		(2) with buffer stop	
	Min.	Max.	Min.	Max.
1875	2260	2634	2635	3190
1955	2340	2714	2715	3270
2000	2385	2759	2760	3315
2080	2465	2839	2840	3395
2125	2510	2884	2885	3440
2205	2590	2964	2965	3520
2250	2635	3009	3010	3565
2375	2760	3134	3135	3690
2500	2885	3259	3260	3815
2625	3010	3384	3385	3940
2750	3135	3509	3510	4065
2875	3315	3634	3635	4190
3000	3565	3759	3760	4315

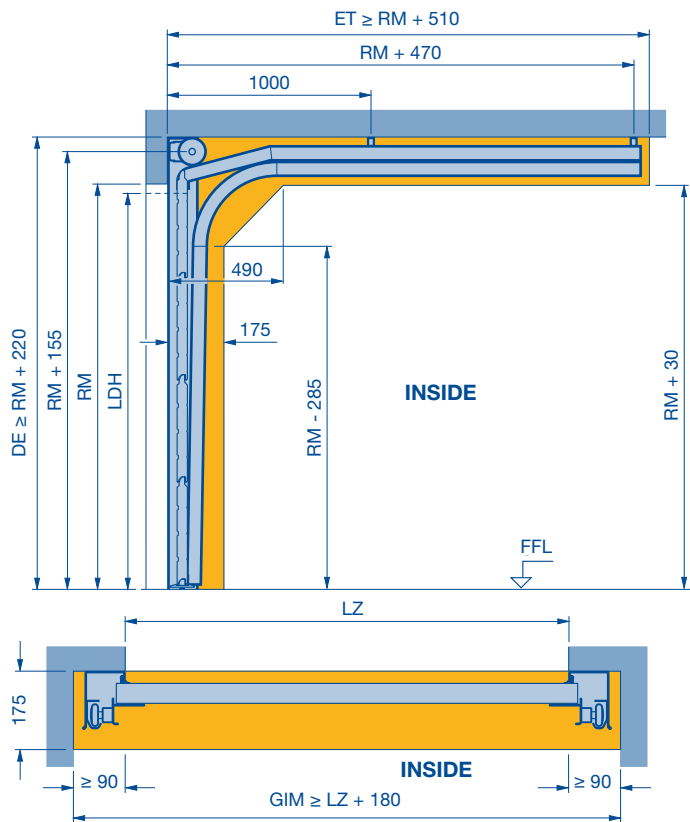
LDH Clear passage height
RM Grid height
LF Structural opening
LH Track height
LZ Clear frame dimensions
DE Ceiling height
DH Rear ceiling anchor = $ET - 200$
DM Centre ceiling anchor = $DH/2$
ET Distance back
(1) = $2 \times RM + 690 - LH$
(2) = $2 \times RM + 490 - LH$
GIM Minimum inside garage dimension

Note:
 The clearance for fitting and subsequent operation of the door must be complied with.

Track Application: N

(LPU 40) Wicket door

N: Normal track application



RM height	Manual operation		With operator		
	Min. DE	LDH	Min. DE	Min. DE with Thermo Frame	LDH
	RM + 220	RM - 160	RM + 235	RM + 255	RM - 100
1875	2095	1715	2110	2130	1775
1955	2175	1795	2190	2210	1855
2000	2220	1840	2235	2255	1900
2080	2300	1920	2315	2335	1980
2125	2345	1965	2360	2380	2025
2205	2425	2045	2440	2460	2105
2250	2470	2090	2485	2505	2150
2375	2595	2215	2610	2630	2275
2500	2720	2340	2735	2755	2400
2625	2845	2465	2860	2880	2525
2750	2970	2590	2985	3005	2650
2875	3095	2715	3110	3130	2775
3000	3220	2840	3235	3255	2900

- LDH** Clear passage height
- RM** Grid height
- LZ** Clear frame dimensions
- DE** Ceiling height
- ET** Distance back
- GIM** Inside garage dimension

Note:

The clearance for fitting and subsequent operation of the door must be complied with.

Note:

The floor surface in front of the garage must be level or sloped to guarantee smooth opening of the wicket door (opening outwards) due to the low threshold height – see page 50.

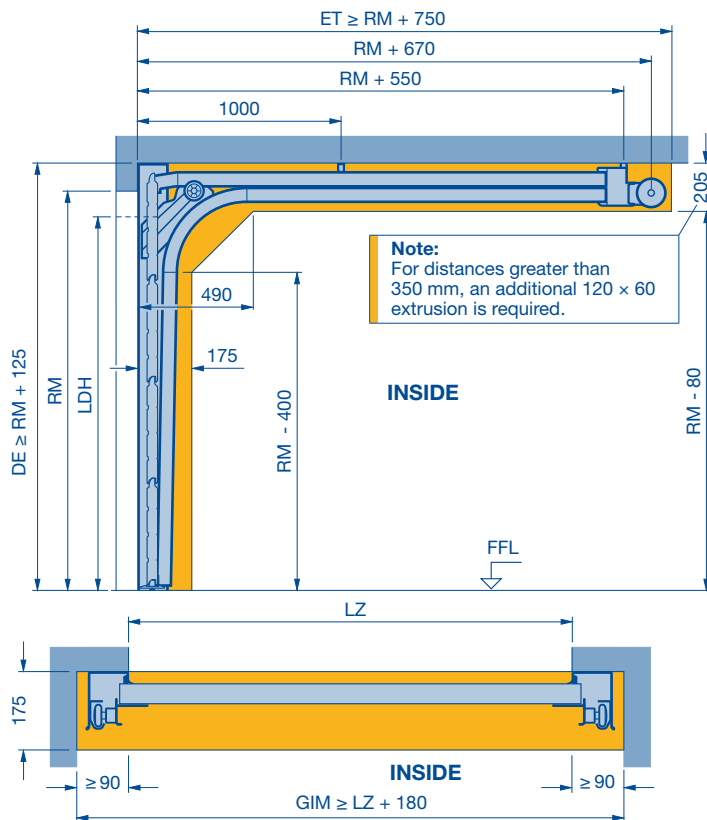
Note:

For doors up to RM 2250 in S-panelled versions or in S, M or L-ribbed versions and with top glazing type D, S and M, the distance from FFL to the bottom edge of the lintel must be equal to or greater than the ordering size (RM). Deviating sizes on request!

Track Application: L

(LPU 40) Wicket door

L: Low headroom track application



RM height	Manual operation		With operator		
	Min. DE	LDH	Min. DE	Min. DE with Thermo Frame	LDH
	RM + 125	RM - 160	RM + 125	RM + 145	RM - 160
1875*	2000	1715	2000	2020	1715
1955	2080	1795	2080	2100	1795
2000	2125	1840	2125	2145	1840
2080	2205	1920	2205	2225	1920
2125	2250	1965	2250	2270	1965
2205	2330	2045	2330	2350	2045
2250	2375	2090	2375	2395	2090
2375	2500	2215	2500	2520	2215
2500	2625	2340	2625	2645	2340
2625	2750	2465	2750	2770	2465
2750	2875	2590	2875	2895	2590
2875	3000	2715	3000	3020	2715
3000	3125	2840	3125	3145	2840

* These versions are only available for S/M/L-ribbed doors

- LDH** Clear passage height
- RM** Grid height
- LZ** Clear frame dimensions
- DE** Ceiling height
- ET** Distance back
- GIM** Inside garage dimension

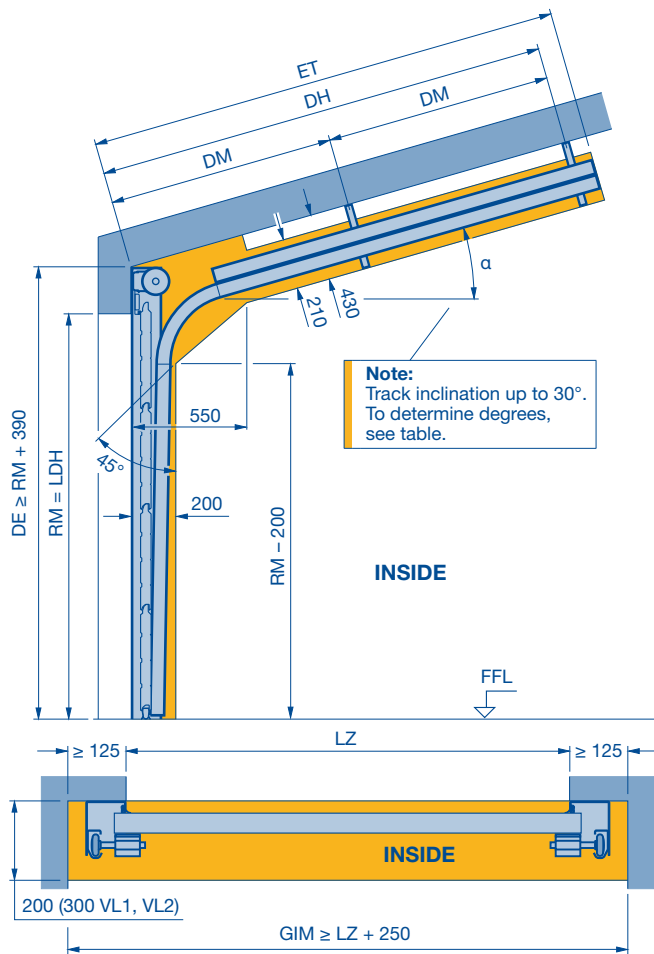
Note:
The clearance for fitting and subsequent operation of the door must be complied with.

Note:
The floor surface in front of the garage must be level or sloped to guarantee smooth opening of the wicket door (opening outwards) due to the low threshold height – see page 50.

Note:
For doors up to RM 2250 in S-panelled versions or in S, M or L-ribbed versions and with top glazing type D, S and M, the distance from FFL to the bottom edge of the lintel must be equal to or greater than the ordering size (RM). Deviating sizes on request!

Track Application: ND

ND: Normal track application with inclination up to max. 30° as industry version (galvanized frame)



(not for S-panelled LTE 40, EPU 40 and LPU 40 doors)

Note:

SupraMatic and ProMatic operators are not possible!

RM height	Manual operation			With operator Min. DE
	Min. DE	LDH without wicket door	LDH with wicket door	
	RM + 390	RM	RM - 150	
1875	2265	1875	1725	See technical manual on sectional doors for industry and commerce, series 40
1955	2345	1955	1805	
2000	2390	2000	1850	
2080	2470	2080	1930	
2125	2515	2125	1975	
2205	2595	2205	2055	
2250	2640	2250	2100	
2375	2765	2375	2225	
2500	2890	2500	2350	
2625	3015	2625	2475	
2750	3140	2750	2600	
2875	3265	2875	2725	
3000	3390	3000	2850	

- LDH** Clear passage height
- RM** Grid height
- LZ** Clear frame dimensions
- DE** Ceiling height
- ET** Minimum distance back = $RM + 450 - \alpha \times 6.5$
- DH** Rear ceiling anchor = $RM + 195 - \alpha \times 6.5$
- DM** Centre ceiling anchor
- DA** Distance to ceiling
- GIM** Inside garage dimension

Only to determine the pitch of the roof in degrees (α)					
α	%	X (mm)	α	%	X (mm)
1	1.75	17.5	16	28.67	286.7
2	3.49	34.9	17	30.57	305.7
3	5.24	52.4	18	32.49	324.9
4	6.99	69.9	19	34.43	343.3
5	8.75	87.5	20	36.40	364.0
6	10.41	105.1	21	38.39	383.9
7	12.28	122.8	22	40.40	404.0
8	14.05	140.5	23	42.45	424.5
9	15.84	158.4	24	44.52	445.2
10	17.63	176.3	25	46.63	466.3
11	19.44	194.4	26	48.77	487.7
12	21.26	212.6	27	50.95	509.5
13	23.09	230.9	28	53.17	531.7
14	24.93	249.3	29	55.43	554.3
15	26.79	267.9	30	57.74	577.4

Note:

The clearance for fitting and subsequent operation of the door must be complied with.

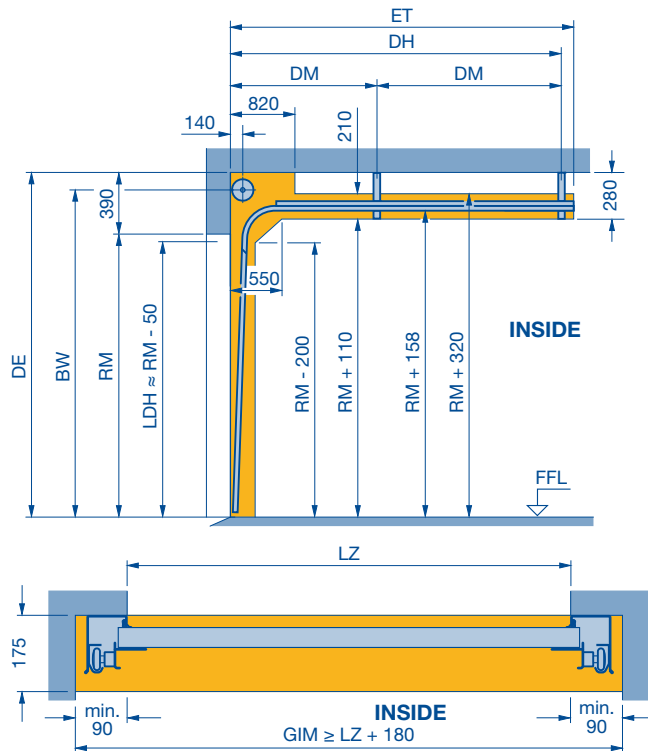
Note:

The floor surface in front of the garage must be level or sloped to guarantee smooth opening of the wicket door (opening outwards) due to the low threshold height – see page 50.

Track Applications: N, L

For LPU 40 XXL in industrial door sizes

N: Normal track application as industry version (galvanized frame)

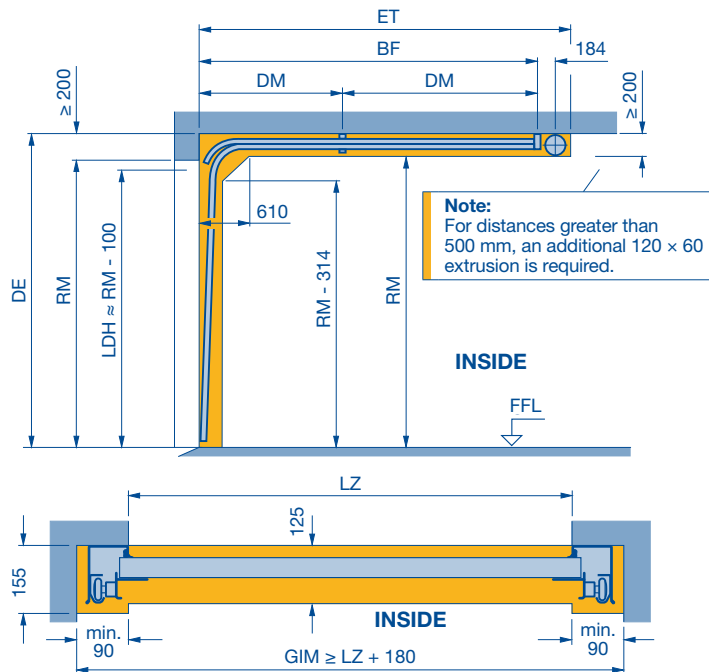


RM height	Manual operation		With operator	
	Min. DE RM + 390	LDH RM - 50	Min. DE RM + 390	LDH RM - 50
2000	2390	1950	2390	1950
2125	2515	2075	2515	2075
2250	2640	2200	2640	2200

- LDH** Clear passage height
- RM** Grid height
- LZ** Clear frame dimensions
- DE** Ceiling height
- ET** Min. distance back = RM + 440
- BW** Position of shaft support = RM + 310
- DH** Rear ceiling anchor = RM + 195
- DM** Centre ceiling anchor
- GIM** Inside garage dimension

Note:
The clearance for fitting and subsequent operation of the door must be complied with.

L: Low headroom track application as industry version (galvanized frame)



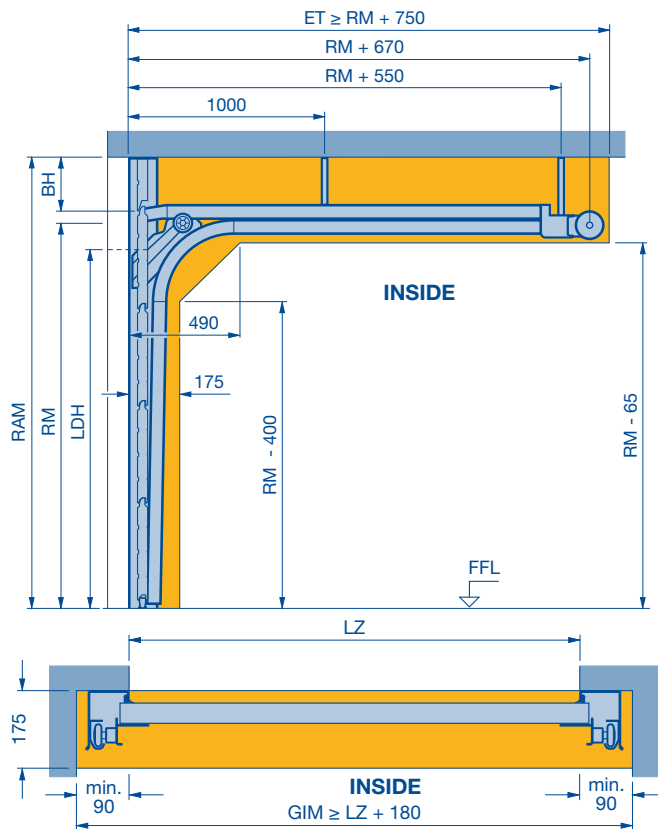
RM height	Manual operation		With operator	
	Min. DE RM + 200	LDH RM - 100	Min. DE RM + 260	LDH RM - 100
2000	2200	1900	2260	1900
2125	2325	2025	2385	2025
2250	2450	2150	2510	2150

- LDH** Clear passage height
- RM** Grid height
- LZ** Clear frame dimensions
- DE** Ceiling height
- ET** Min. distance back = RM + 990
- BF** Position of spring shaft = RM + 682
- DM** Centre ceiling anchor, up to RM 3500 = BF/2, from RM 3510 = BF/3
- GIM** Inside garage dimension

Note:
The clearance for fitting and subsequent operation of the door must be complied with.

Track Applications: BZ, BL

BZ: Track application Z/track application for flush-fitting panel



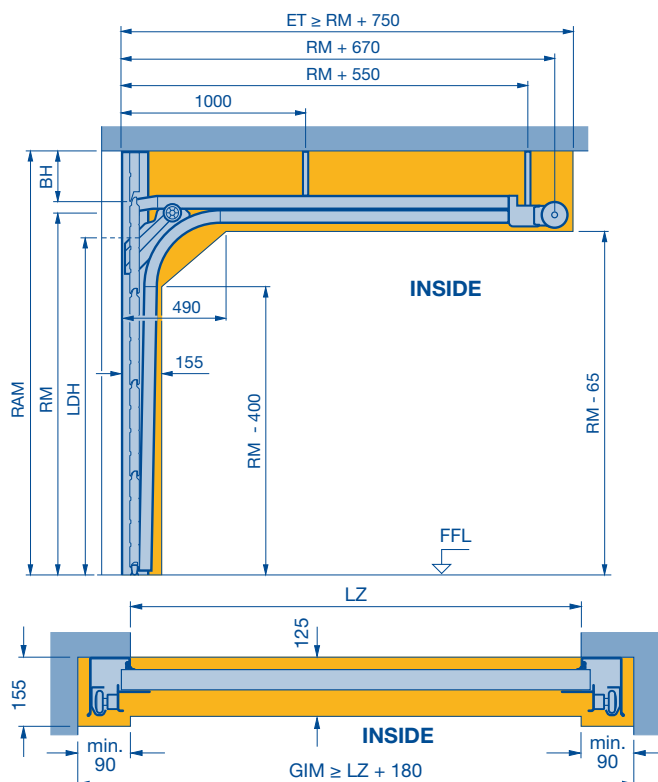
RM height	Manual operation		With operator	
	Min. DE	LDH	Min. DE	LDH
	RM + 100	RM - 80	RM + 115	RM - 30
1875	1975	1795	1990	1845
1955	2055	1875	2070	1925
2000	2100	1920	2115	1970
2080	2180	2000	2195	2050
2125	2225	2045	2240	2095
2205	2305	2125	2320	2175
2250	2350	2170	2365	2220
2375	2475	2295	2490	2345
2500	2600	2420	2615	2470
2625	2725	2545	2740	2595

- LDH** Clear passage height
- RM** Grid height
- LZ** Clear frame dimensions
- DE** Ceiling height
- ET** Min. distance back = $RM + 440$
- GIM** Inside garage dimension
- BH** panel height
- RAM** structural opening = ordering size
Min. $RAM = RM + 240$
Max. $RAM = RM + 600$

Note:
The clearance for fitting and subsequent operation of the door must be complied with.

Note:
Shortened top door section or top aluminium frame is not possible.

BL: Track application L/track application for flush-fitting panel



RM height	Manual operation		With operator		
	Min. DE	LDH	Min. DE	LDH bis LZ = 3000 mm	LDH ab LZ = 3010 mm
	RM + 100	RM - 100	RM + 115	RM - 30	RM - 80
1875	1975	1775	1990	1845	1795
1955	2055	1855	2070	1925	1875
2000	2100	1900	2115	1970	1920
2080	2180	1980	2195	2050	2000
2125	2225	2025	2240	2095	2045
2205	2305	2105	2320	2175	2125
2250	2350	2150	2365	2220	2170
2375	2475	2275	2490	2345	2295
2500	2600	2400	2615	2470	2420
2625	2725	2525	2740	2595	2545
2750	2850	2650	2865	2720	2670
2875	2975	2775	2990	2845	2795
3000	3100	2900	3115	2970	2920

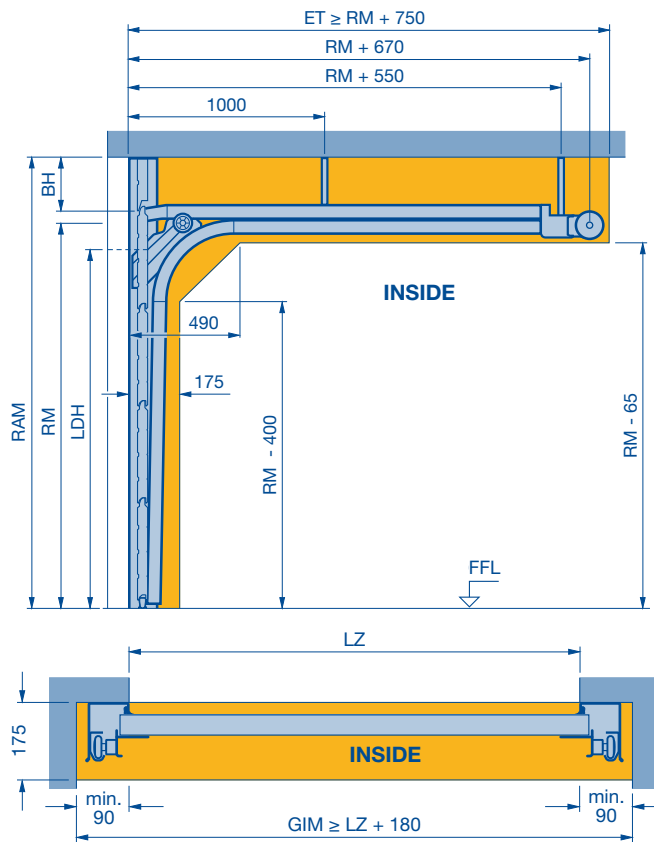
- LDH** Clear passage height
- RM** Grid height
- LZ** Clear frame dimensions
- DE** Ceiling height
- ET** Min. distance back = $RM + 990$
- GIM** Inside garage dimension
- BH** panel height
- RAM** structural opening = ordering size
Min. $RAM = RM + 240$
Max. $RAM = RM + 600$

Note:
The clearance for fitting and subsequent operation of the door must be complied with.

Note:
Shortened top door section or top aluminium frame is not possible.

Track Applications: BL

BL: Track application L/track application for flush-fitting panel



RM height	Manual operation		With operator	
	Min. DE	LDH	Min. DE	LDH
	RM + 125	RM - 160	RM + 125	RM - 160
1875*	2000	1715	2000	1715
1955	2080	1795	2080	1795
2000	2125	1840	2125	1840
2080	2205	1920	2205	1920
2125	2250	1965	2250	1965
2205	2330	2045	2330	2045
2250	2375	2090	2375	2090
2375	2500	2215	2500	2215
2500	2625	2340	2625	2340
2625	2750	2465	2750	2465
2750	2875	2590	2875	2590
2875	3000	2715	3000	2715
3000	3125	2840	3125	2840

* Need variandid kehtivad ainult S-/M-/L-laudisega ustele

- LDH** Clear passage height
- RM** Grid height
- LZ** Clear frame dimensions
- DE** Ceiling height
- ET** Min. distance back = RM + 440
- GIM** Inside garage dimension
- BH** panel height
- RAM** structural opening = ordering size
Min. RAM = RM + 240
Max. RAM = RM + 600

Note:

The clearance for fitting and subsequent operation of the door must be complied with.

Note:

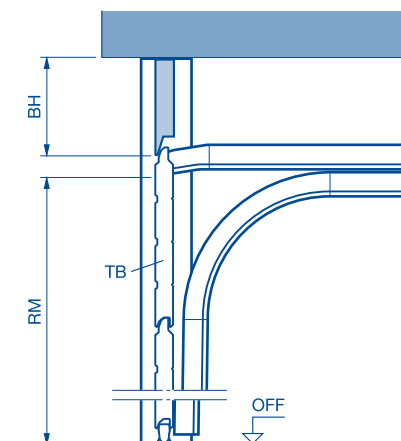
Due to the low threshold height, the ground in front of the garage must be level or sloped to guarantee smooth opening of the wicket door (opening outwards) - see page 50.

Note:

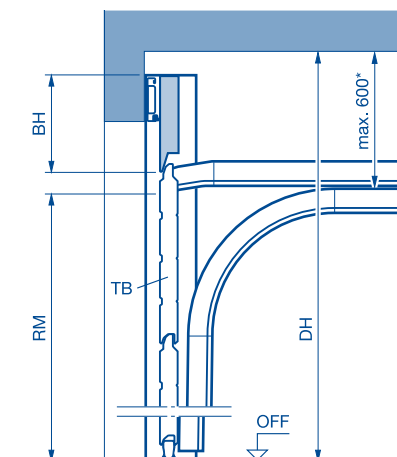
Shortened top door section or top aluminium frame is not possible.

Clearance for lintel fitting with flush-fitting panel

Without lintel



With lintel



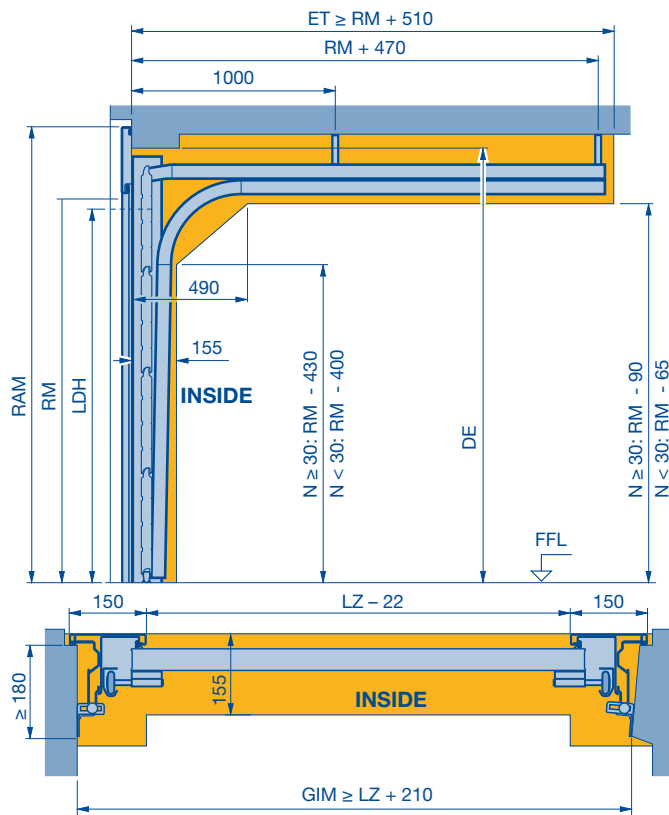
Track applications	Fascia version
BZ and BL	BZ and BL PU fascia, S, M, and L-ribbed
	S-panelled on request

- DH** ceiling height
- TB** door leaf
- * Suspension = DH - RM = max 600 mm

Track Application: Z

Fitting in front of the reveal

Z: Tension spring track application



RM height	N ≥ 30			
	Manual operation		With operator	
	Min. DE RM + 75	LDH RM - 110	Min. DE RM + 90	LDH RM - 60
1875	1950	1765	1965	1815
1955	2030	1845	2045	1895
2000	2075	1890	2090	1940
2080	2155	1970	2170	2020
2125	2200	2015	2215	2065
2205	2280	2095	2295	2145

RM height	N < 30			
	Manual operation		With operator	
	Min. DE RM + 100	LDH RM - 80	Min. DE RM + 115	LDH RM - 30
1875	1975	1795	1990	1845
1955	2055	1875	2070	1925
2000	2100	1920	2115	1970
2080	2180	2000	2195	2050
2125	2225	2045	2240	2095
2205	2305	2125	2320	2175

LDH Clear passage height

RM Grid height

LZ Clear frame dimensions

DE Ceiling height

ET Distance back

GIM Inside garage dimension

N Height difference between interior and exterior garage floor

RAM Overall frame dimension

RAM height Min. = RM + 115 mm
Max. = RM + 185 mm

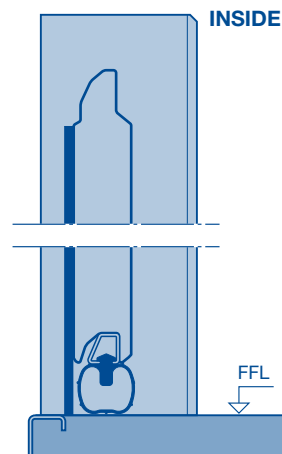
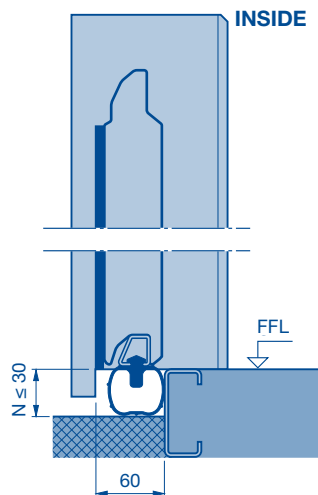
Examples for fitting situation

With N ≥ 30 mm

LDH = RM - 110 mm
without operator

With N < 30 mm

LDH = RM - 80 mm
without operator



Distance back without operator:

RM + 510 mm

Distance back with operator ProMatic and SupraMatic:

3200 mm with door height up to 2125 mm (K-boom)

3450 mm with door height up to 2375 mm (M-boom)

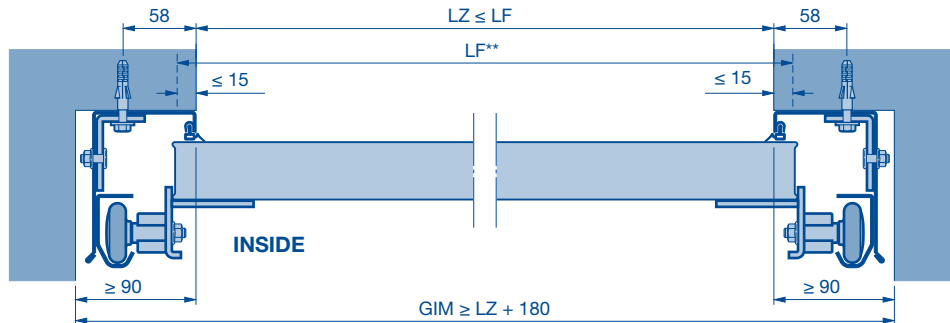
Note:

The clearance for fitting and subsequent operation of the door must be complied with.

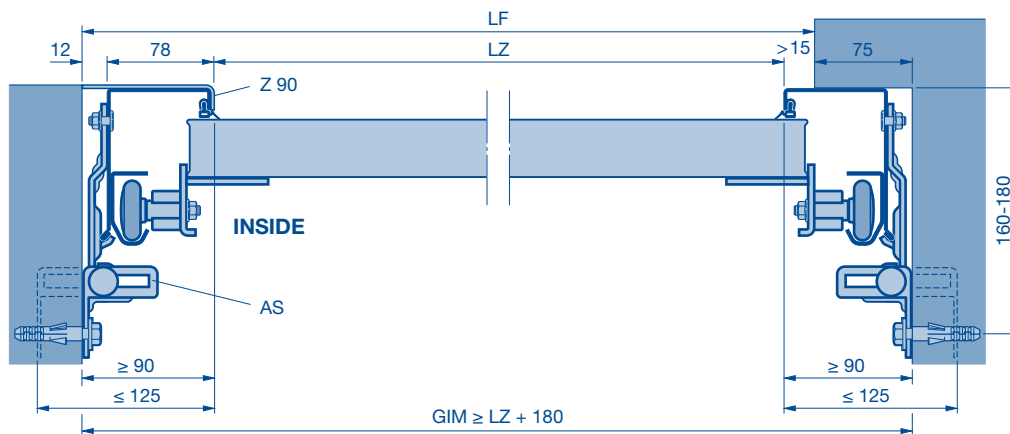
Sideroom

Track applications Z, N, L, H

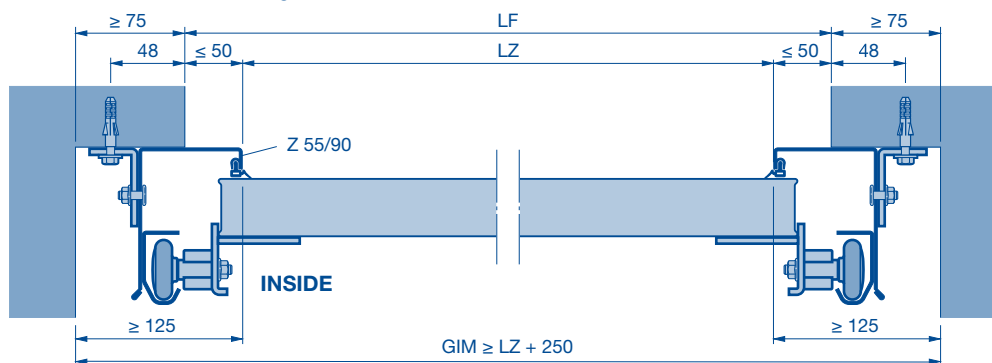
Normal track application, **sideroom 90 mm**, fixing inside the frame



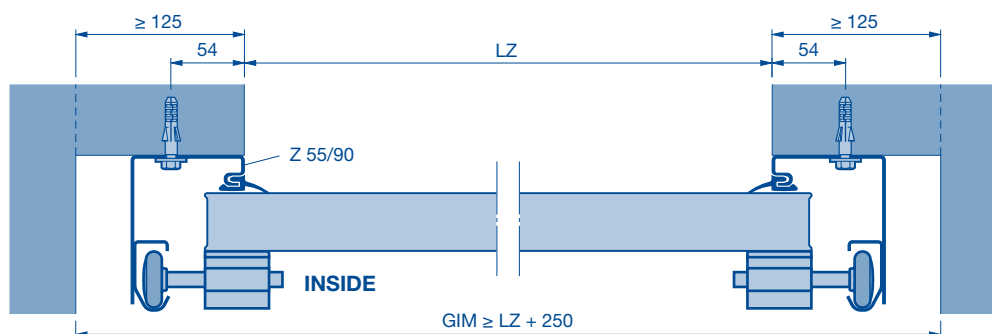
Sideroom less than 75 mm, or without sideroom. Frame fixing using special anchor



Min. sideroom 75 mm, fixing outside the frame



Track applications N, ND, L as industry version (galvanized frame)

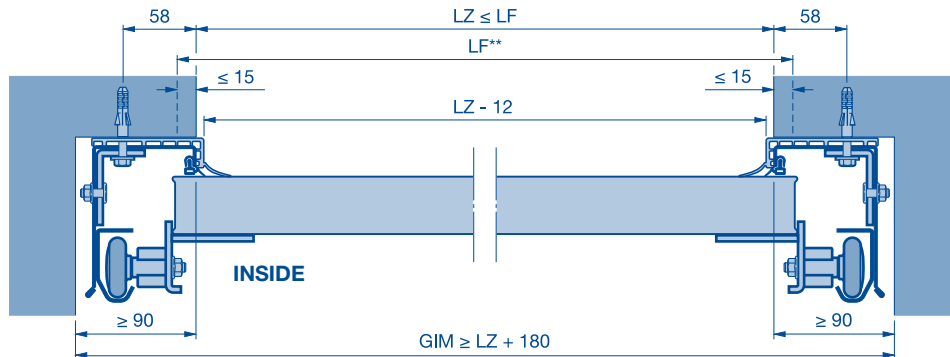


(See next page for the legend.)

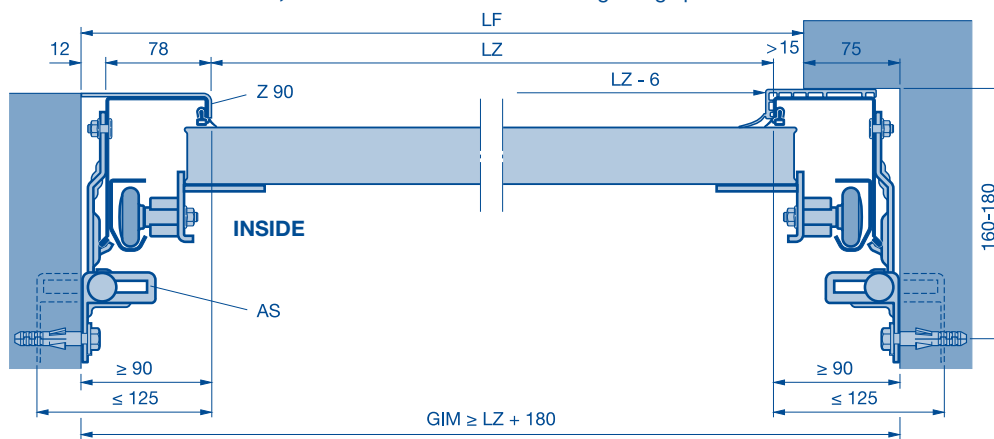
Sideroom and Lintel Fitting with ThermoFrame

Track applications Z, N, L, H with Thermo Frame

Normal track application, **sideroom 90 mm**, fixing inside the frame

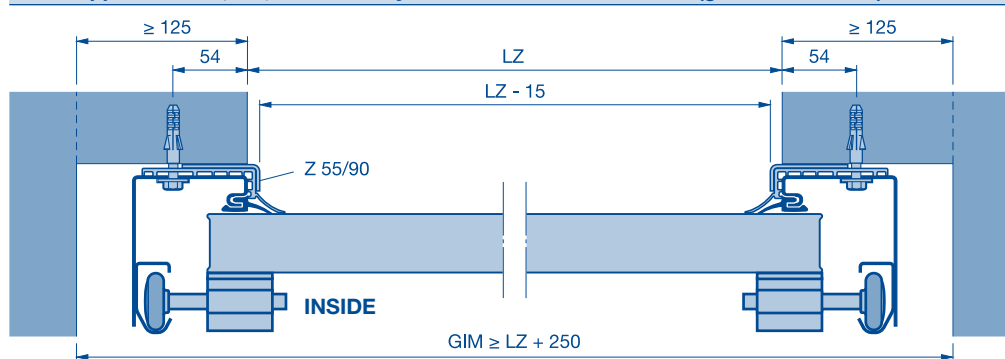


Sideroom less than 75 mm, or without sideroom. Frame fixing using special anchor

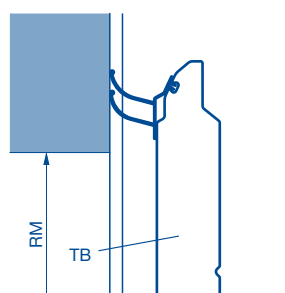


Min. sideroom 75 mm, fixing outside the frame

Track applications N, ND, L as industry version with Thermo Frame (galvanized frame)



Lintel fitting with ThermoFrame

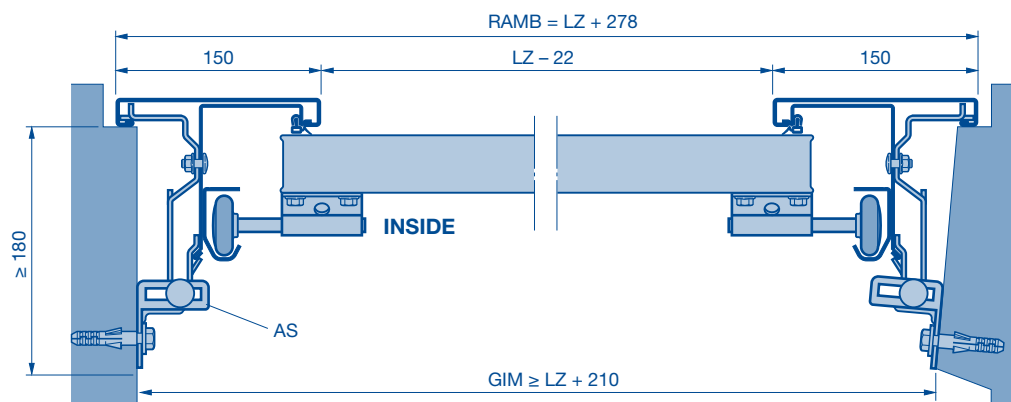


(See next page for the legend.)

Sideroom

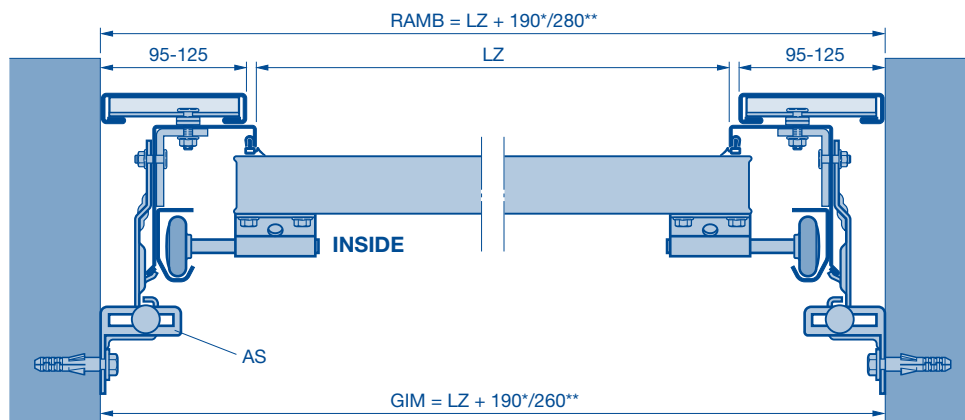
Fitting in front of the reveal

Fitting in front of the reveal



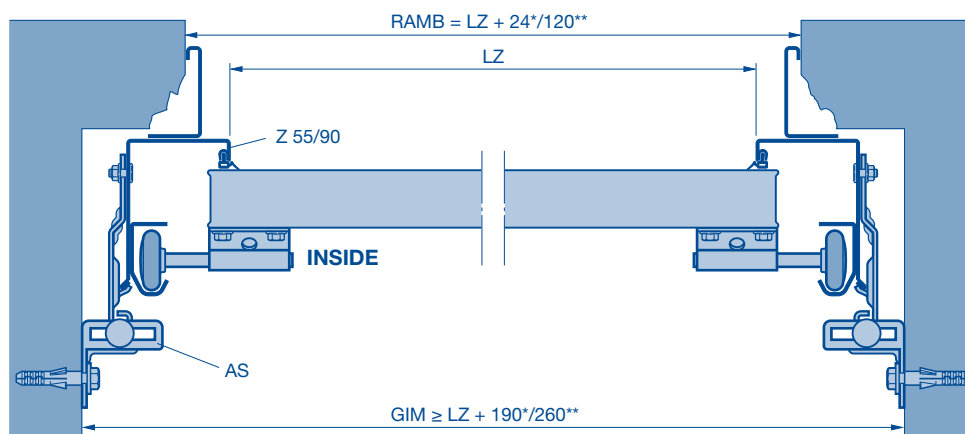
Fitting in the opening

Fascia frame -95-



Fitting behind the opening

Retrofit fascia

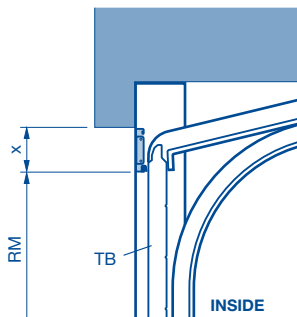


- | | | | |
|------|-------------------------|------|-------------------------------|
| * | Min. | Z 90 | Frame covering 90 |
| ** | Max. | OS | Special anchor |
| LZ | Clear frame dimensions | RAMB | Overall frame dimension width |
| LF | Structural opening | | |
| GIM | Inside garage dimension | | |
| Z 55 | Frame covering 55 | | |

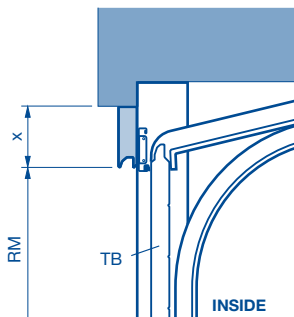
Lintel Fitting with Fascia Panels

LTE 40, EPU 40, LPU 40

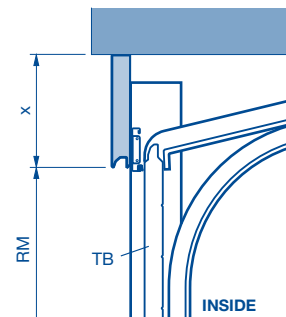
View A



View B



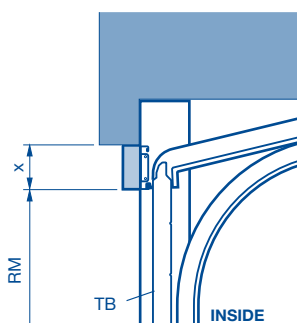
View C



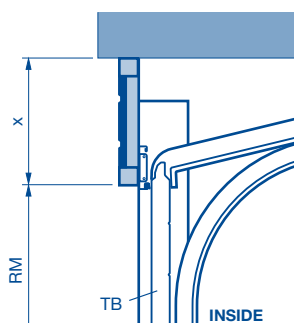
Track application	Panel version	Dimension x		
		View A	View B	View C
Z, N and L	Steel fascia (in scope of delivery)	Up to 100 mm	-	-
	PU panel, S/L-ribbed	-	61 – 562 mm	61 – 562 mm
	PU panel, M-ribbed	-	250 – 562 mm	250 – 562 mm
	PU panel, S-pannelled	-	-	468, 475, 479, 488, 500, 520, 525, 531, 550, 562

LTH 40 (A steel fascia is included in the scope of delivery for LTH 40 doors!)

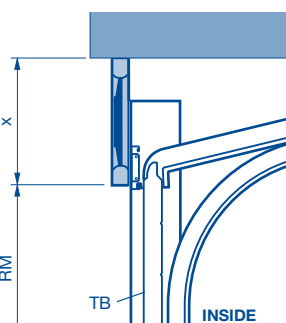
View A



View B



View C

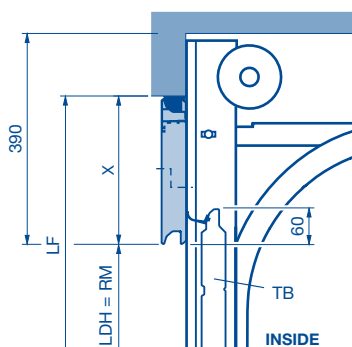


Track application	Panel version	Dimension x		
		View A	View B	View C
N and L	Smooth timber panel	31 – 290 mm	-	-
	Timber panel, S-ribbed	-	146 – 562 mm	-
	Timber panel, V-pannelled	-	-	291 – 562 mm

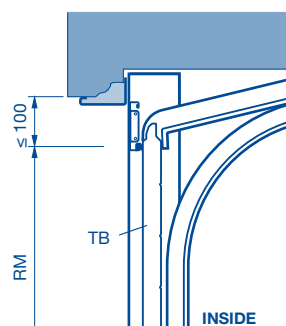
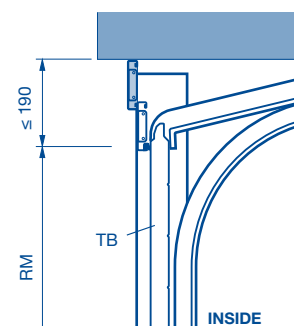
LTE 40, LPU 40

Retrofit fascias

Fascia frame -95-



Angle section



Track applications N, ND, L as industry version (galvanized frame)	Dimension x
PU panel, S/L-ribbed	100 – 562 mm
PU panel, M-ribbed	250 – 562 mm
PU panel, S-pannelled	468, 475, 479, 488, 500, 520, 525, 531, 550, 562

Attention:

Observe the frame's plug and screw fitting points in the lintel area, since they are subject to an increased torque with track application N (torsion spring).

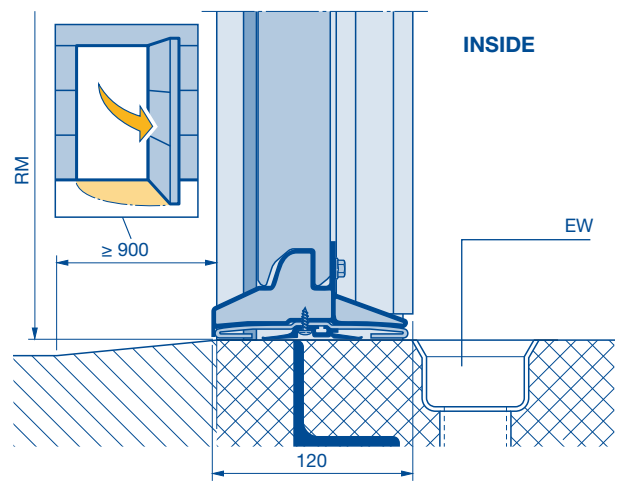
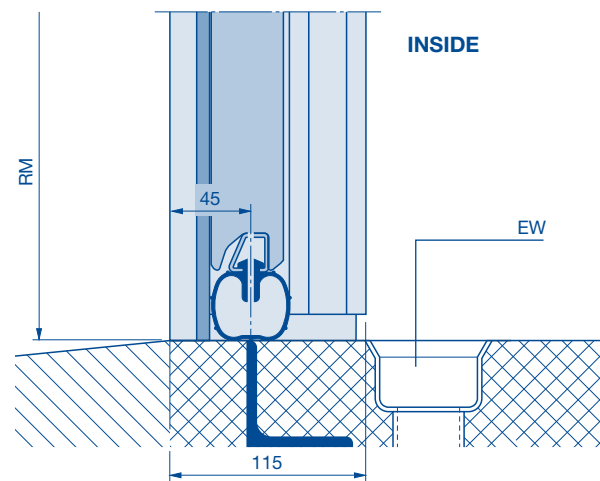
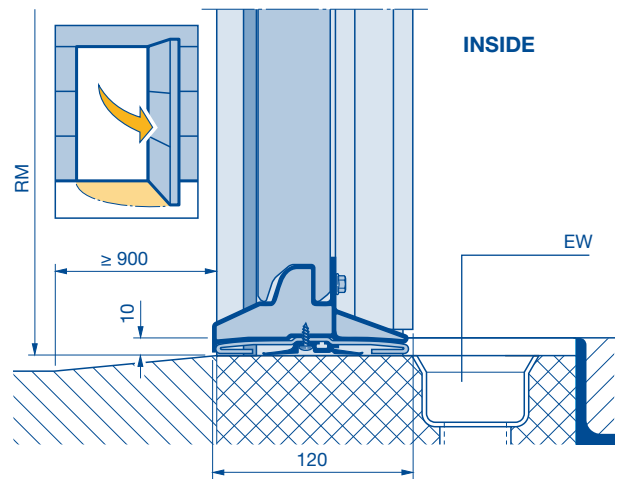
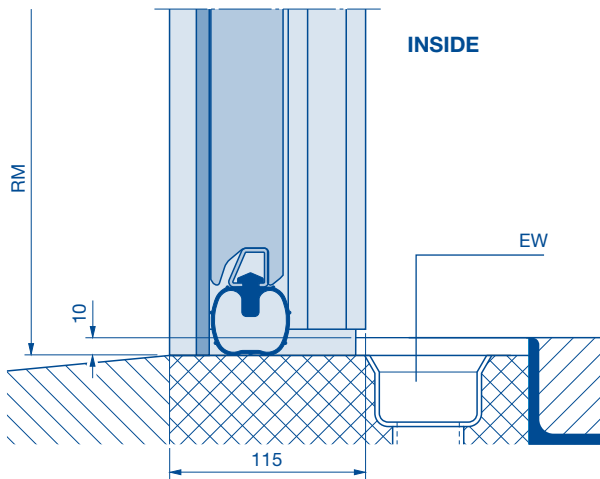
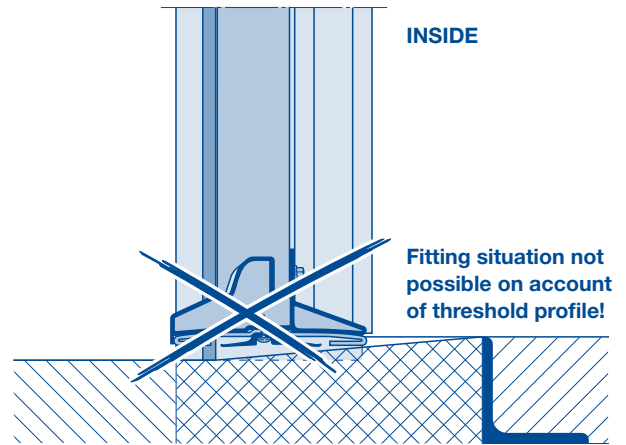
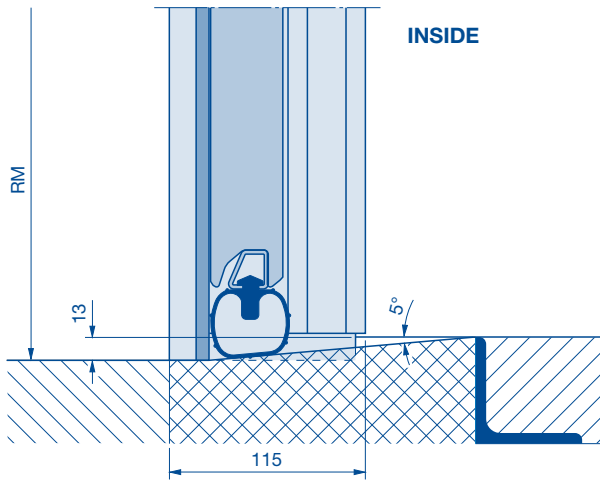
TB Door leaf
RM Grid height

LDH Clear passage height
LF Structural opening

Bottom Edge

Without wicket door

With wicket door



EW Drainage
RM Grid

Side Doors

With corner frame made of aluminium profiles

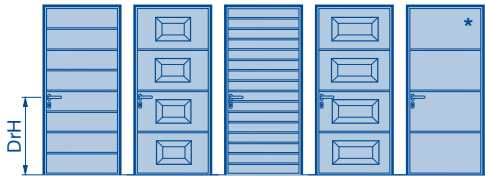
Standard/special sizes

External views

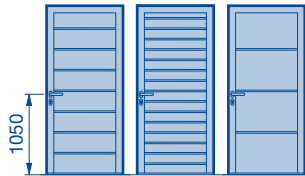
(The illustrations correspond to the size of the structural opening for 1000 × 2125 mm. Deviations may occur with other door sizes.)

* Side door version styles (see page 24) only possible with profile type 1

Profile type 1 and 3



Profile type 2



Standard sizes

Profile type 1, only opening inwards, S, M, L-ribbed or S-panelled Fitting: internal fitting		
Ordering sizes = BRB	DrH from FFL	Spacings
875 × 2000	955	125/250
875 × 2125	1010	133/265
1000 × 2000	955	125/250
1000 × 2125	1010	133/265

Profile type 2 S, M, L-ribbed Fitting: internal or external fitting		
Ordering sizes = BRB	DrH from FFL	Spacings
875 × 2000	1050	125/250
875 × 2125	1050	133/265
1000 × 2000	1050	125/250
1000 × 2125	1050	133/265

Profile type 3 S, M, L-ribbed or S-panelled Fitting: external fitting		
Ordering sizes = BRB	DrH from FFL	Spacings
875 × 2000	955	125/250
875 × 2125	1010	133/265
1000 × 2000	955	125/250
1000 × 2125	1010	133/265

Special sizes

Profile type 1 or 3, S-panelled or design element Fitting: internal fitting for profile type 1, external fitting for profile type 3	
Ordering sizes = BRB	DrH from FFL
875 – 1250 × 2000 or 2125	935 – 1268
875 – 1250 × 2000, 2080, 2125, 2205 2250, 2375 or 2500	935 – 1268

Profile type 1, 2 or 3 S, M, L-ribbed Fitting: internal fitting for profile type 1, internal or external fitting for profile type 2, external fitting for profile type 3			
Ordering sizes = BRB	DrH from FFL		
	Profile type 1	Profile type 2	Profile type 3
875 – 1250 × 1875 – 2500	935 – 1268	1050	935 – 1268

Note with glazing type D:

Min. RAM width 980 mm and min. RAM height 2115 mm for glazing on the upper door section

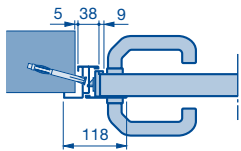
(See next page for the legend.)

Side Doors

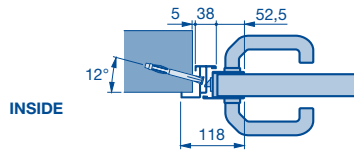
With corner frame made of aluminium profiles

Standard/special sizes

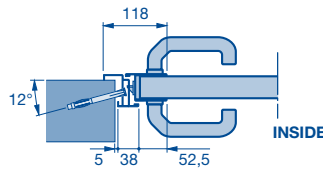
Profile type 1
(only opening inwards)



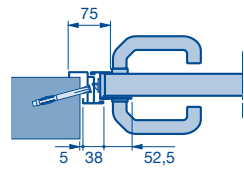
Profile type 2
(opening inwards)



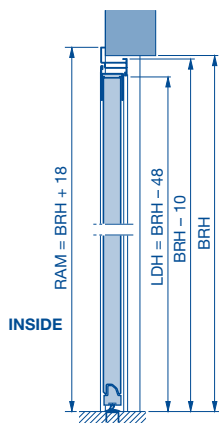
Profile type 2
(opening outwards)



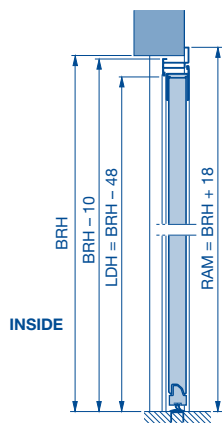
Profile type 3
(only opening outwards)



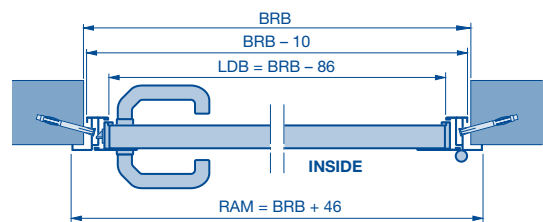
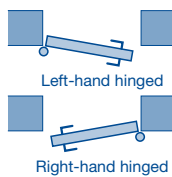
Internal fitting



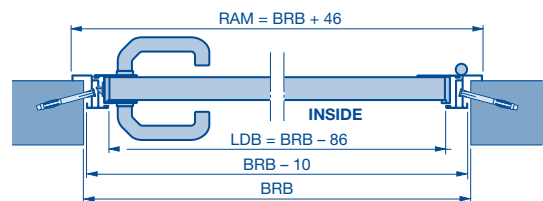
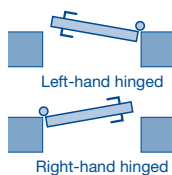
External fitting



Internal fitting (opening inwards), profile type 1 or 2



External fitting (opening outwards), profile type 2 or 3



Side Doors

With block frame made of aluminium profiles

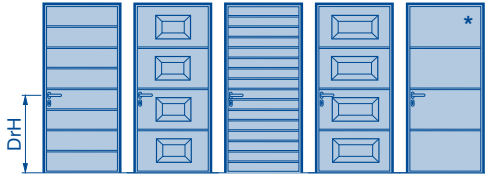
Standard sizes

External views

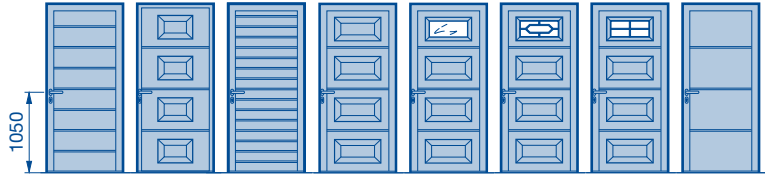
(The illustrations correspond to the size of the structural opening for 1000 × 2125 mm. Deviations may occur with other door sizes.)

* Side door version styles (see page 24) only possible with profile type 1

Profile type 1



Profile type 2



Standard sizes (profile type 1, only opening inwards)

Profile type 1 (fitting behind the opening) S, M, L-ribbed, with S-panelled			
LF of the opening	Ordering sizes = RAM	DrH from FFL	Spacings
855–875 × 1990–2000	990 × 2058	955	125/250
855–875 × 2115–2125	990 × 2183	1010	133/265
980–1000 × 1990–2000	1115 × 2058	955	125/250
980–1000 × 2115–2125	1115 × 2183	1010	133/265

Profile type 2 (fitting behind the opening) S, M, L-ribbed, with S-panelled			
LF of the opening	Ordering sizes = RAM	DrH from FFL	Spacings
855–875 × 1990–2000	990 × 2058	1050	125/250
855–875 × 2115–2125	990 × 2183	1050	133/265
980–1000 × 1990–2000	1115 × 2058	1050	125/250
980–1000 × 2115–2125	1115 × 2183	1050	133/265

Profile type 2 (fitting in the opening) S, M, L-ribbed			
LF of the opening	Ordering sizes = RAM	DrH from FFL	Spacings
875 × 2000	855 × 1990	1050	125/250
875 × 2125	855 × 2115	1050	133/265
1000 × 2000	980 × 1990	1050	125/250
1000 × 2125	980 × 2115	1050	133/265

Note with glazing type D: Min. RAM width 980 mm and min. RAM height 2115 mm for glazing on the upper door section.

(See next page for the legend.)

LF Structural opening
LDH Clear passage height
LDB Clear passage width
RM Grid height
RAM Overall frame dimension

BRH Nominal size height
BRB Nominal size width
DrH Lever height

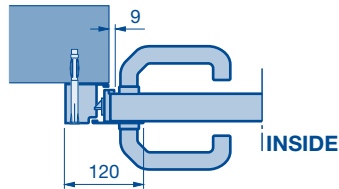
Side Doors

With block frame made of aluminium profiles

Standard sizes

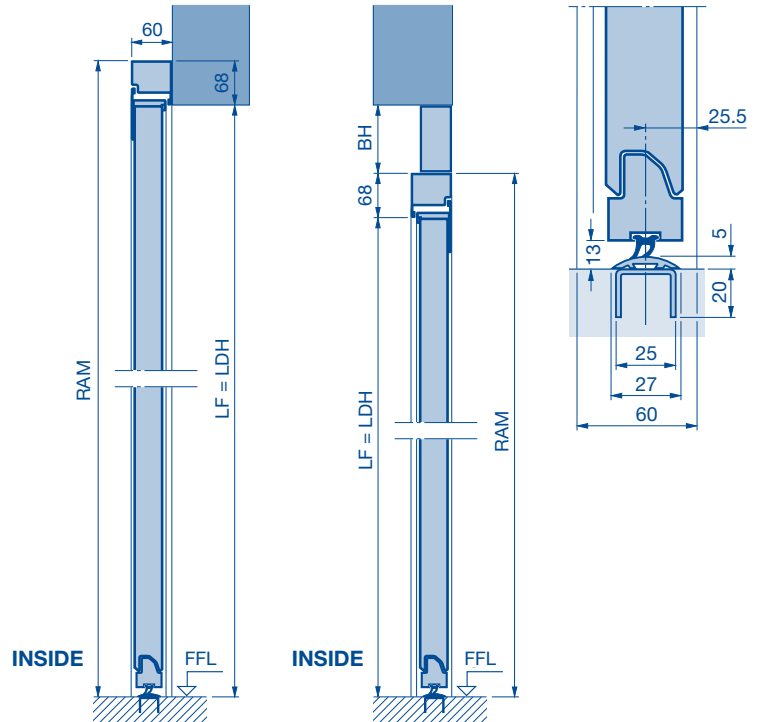
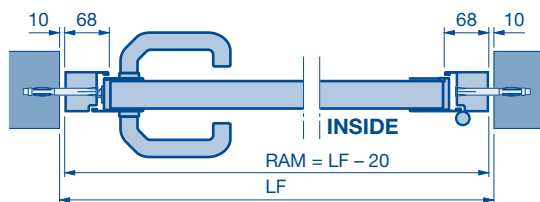
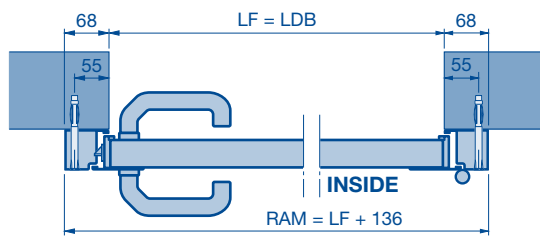
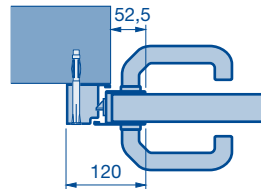
Profile type 1

Narrow leaf frame

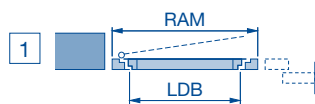


Profile type 2

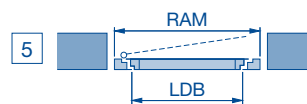
Wide leaf frame



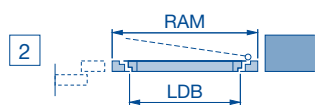
Fitting arrangements



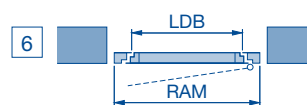
Fitting next to door, opening outwards, RH hinged



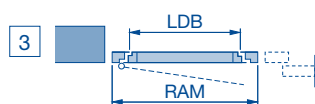
Fitting in the opening, opening outwards, RH or LH hinged



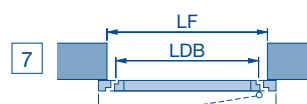
Fitting next to door, opening outwards, LH hinged



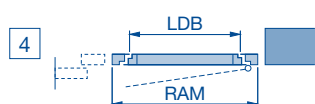
Fitting in the opening, opening inwards, RH or LH hinged



Fitting next to door, opening inwards, LH hinged



Fitting behind the opening, only opening inwards, RH or LH hinged



Fitting next to the door, opening inwards, RH hinged

INSIDE

LF Structural opening
LDH Clear passage height
LDB Clear passage width
RAM Overall frame dimension

BH Panel height
DrH Lever height

Side Doors

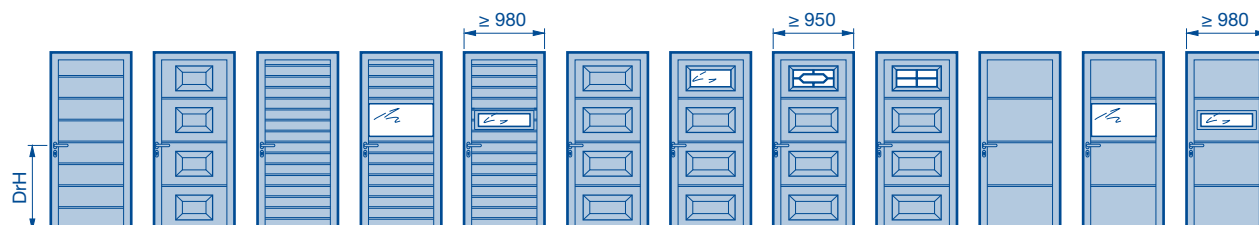
With block frame made of aluminium profiles

Special sizes

External views

(The illustrations correspond to the size of the structural opening for 1000 × 2125 mm. Deviations may occur with other door sizes.)

Profile type 2



Special sizes (profile type 1, only opening inwards)

Profile type 1 (fitting in or behind the opening) S, M, L-ribbed	
Ordering sizes = RAM	DrH
855 – 1250 × 1990 – 2300	935 – 1268
855 – 1300 × 1990 – 2558	935 – 1268

Profile type 2 (fitting in or behind the opening) S, M, L-ribbed	
Ordering sizes = RAM	DrH
855 – 1250 × 1933 – 2300	1050
855 – 1300 × 1933 – 2558	1050

Profile type 1 (fitting only behind the opening), S-panelled or with design	
Ordering sizes = RAM	DrH
950 – 1250 × 2058 or 2183	935 – 1268
950 – 1300 × 2013, 2058, 2138, 2183, 2263, 2308, 2433 or 2558	935 – 1268

Profile type 2 (fitting only behind the opening, in the opening and opening outwards on request), S-panelled	
Ordering sizes = RAM	DrH
950 – 1250 × 2058 or 2183	1050
950 – 1300 × 1943, 2013, 2058, 2138, 2183, 2263, 2308, 2443 or 2558	1050

Note with glazing type D: Min. RAM width 980 mm and min. RAM height 2115 mm for glazing on the upper door section.

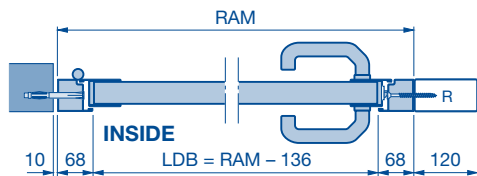
(See next page for the legend.)

Side Doors

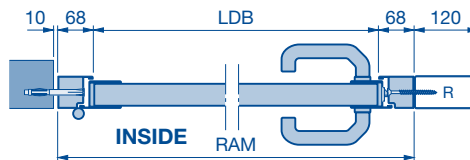
With block frame made of aluminium profiles

Special sizes

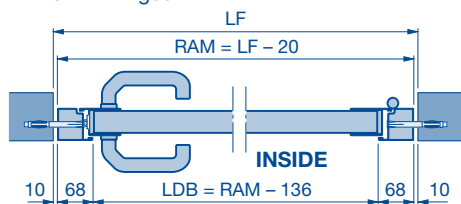
Fitting next to door, opening outwards, RH or LH hinged



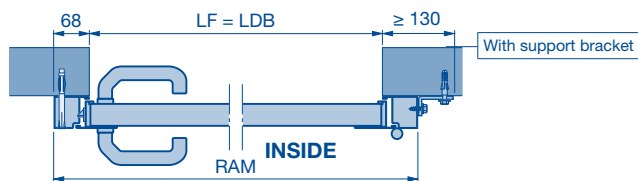
Fitting next to door, opening inwards, RH or LH hinged



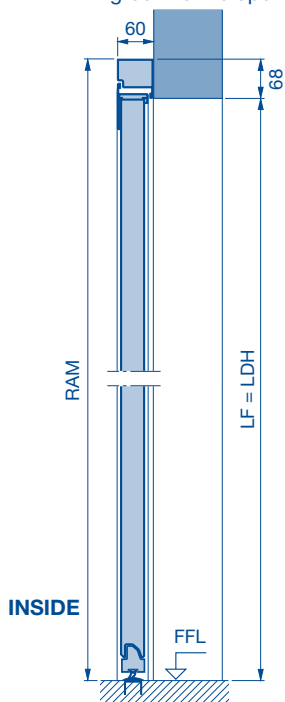
Fitting in the opening, opening inwards or outwards, RH or LH hinged



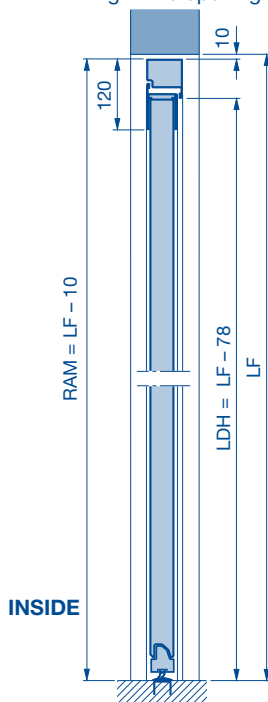
Fitting behind the opening, opening inwards, RH or LH hinged



Fitting behind the opening



Fitting in the opening



R Tube
LF Structural opening
LDH Clear passage height
LDB Clear passage width

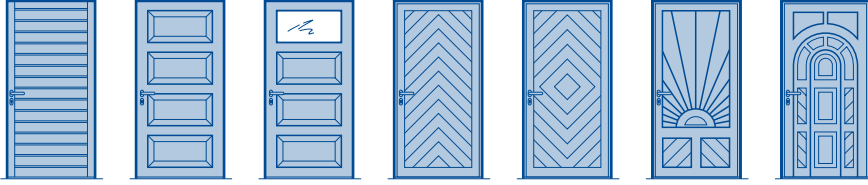
RAM Overall frame dimension
DrH Lever height

Timber Side Doors

Standard/special sizes

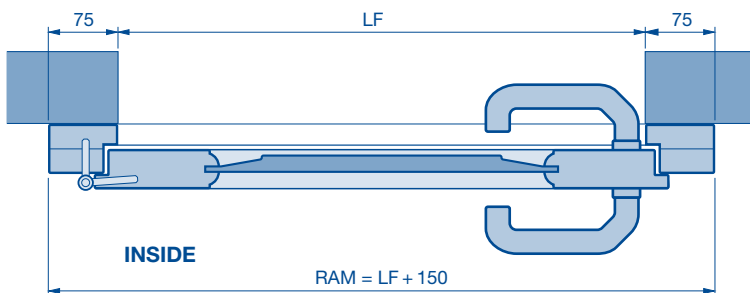
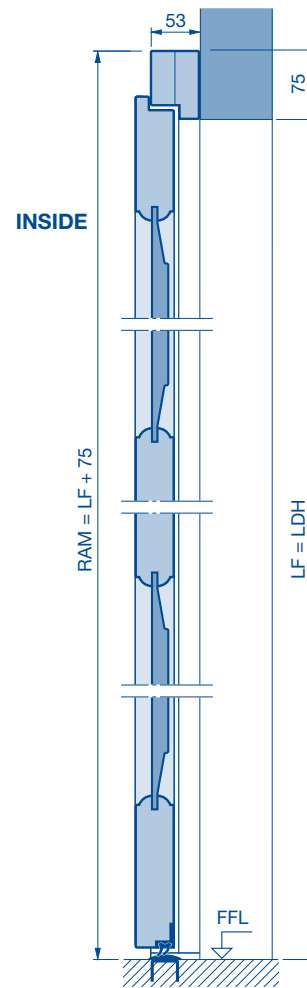
External views

(The illustrations correspond to the size of the structural opening for 1000 × 2125 mm. Deviations may occur with other door sizes.)



S-ribbed or V-panelled version			
Structural opening	Ordering sizes = RAM	Lever handle height from FFL	Spacings
Standard sizes			
855–875 × 2115–2125	1005–2190	1050	133
980–1000 × 2115–2125	1130–2190	1050	133
Special sizes			
	990–1250 × 1940–2315	1050	

Style version		
Structural opening	Ordering sizes = RAM	Lever handle height from FFL
Standard sizes		
980–1000 × 2115–2125	1130–2190	1050
Special sizes		
	1130–1250 × 1940–2315	1050

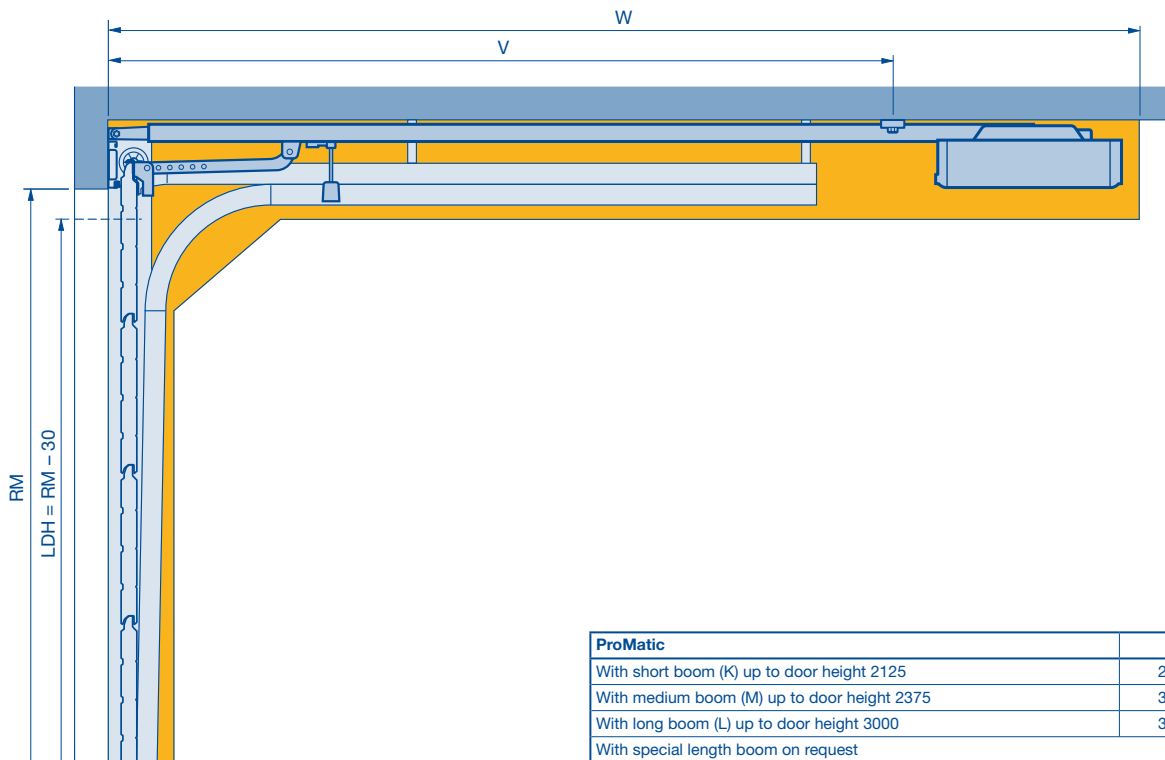


- LF Structural opening
- LDH Clear passage height
- RAM Overall frame dimensions

Garage Door Operators

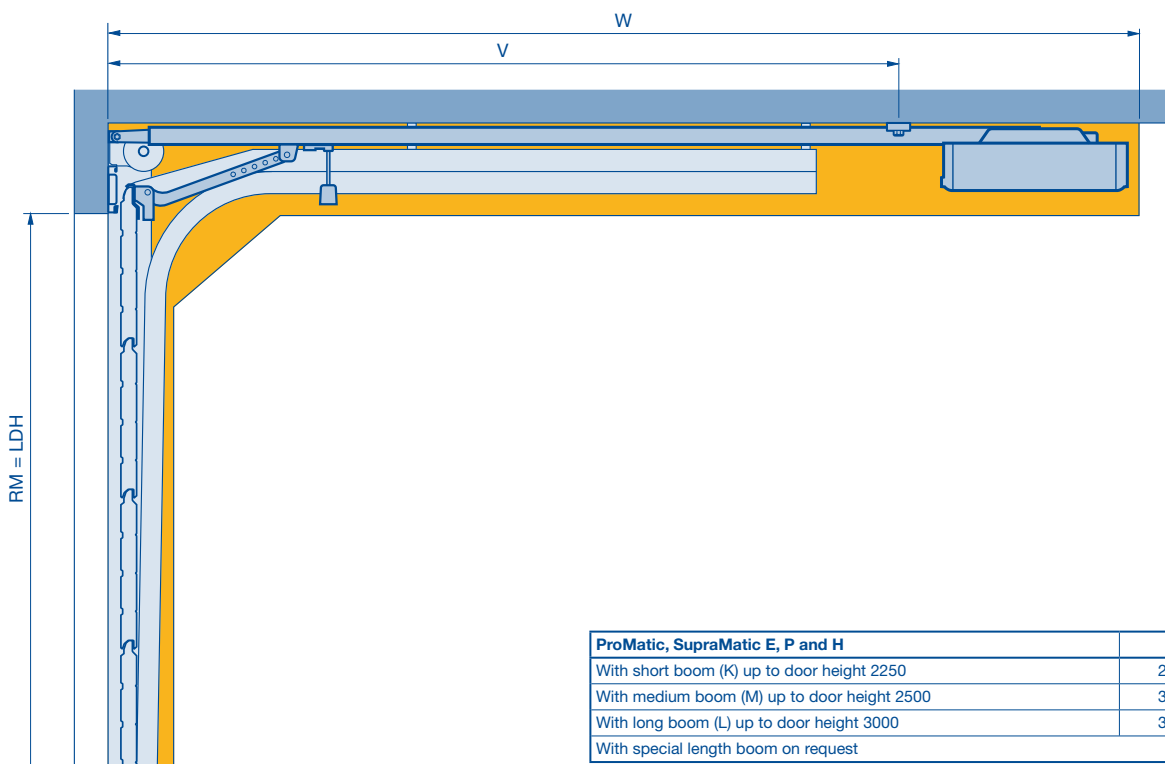
ProMatic, SupraMatic E, P, H

Track application Z



ProMatic	V	W
With short boom (K) up to door height 2125	2775	3200
With medium boom (M) up to door height 2375	3025	3450
With long boom (L) up to door height 3000	3700	4125
With special length boom on request		

Track application N



ProMatic, SupraMatic E, P and H	V	W
With short boom (K) up to door height 2250	2775	3200
With medium boom (M) up to door height 2500	3025	3450
With long boom (L) up to door height 3000	3700	4125
With special length boom on request		

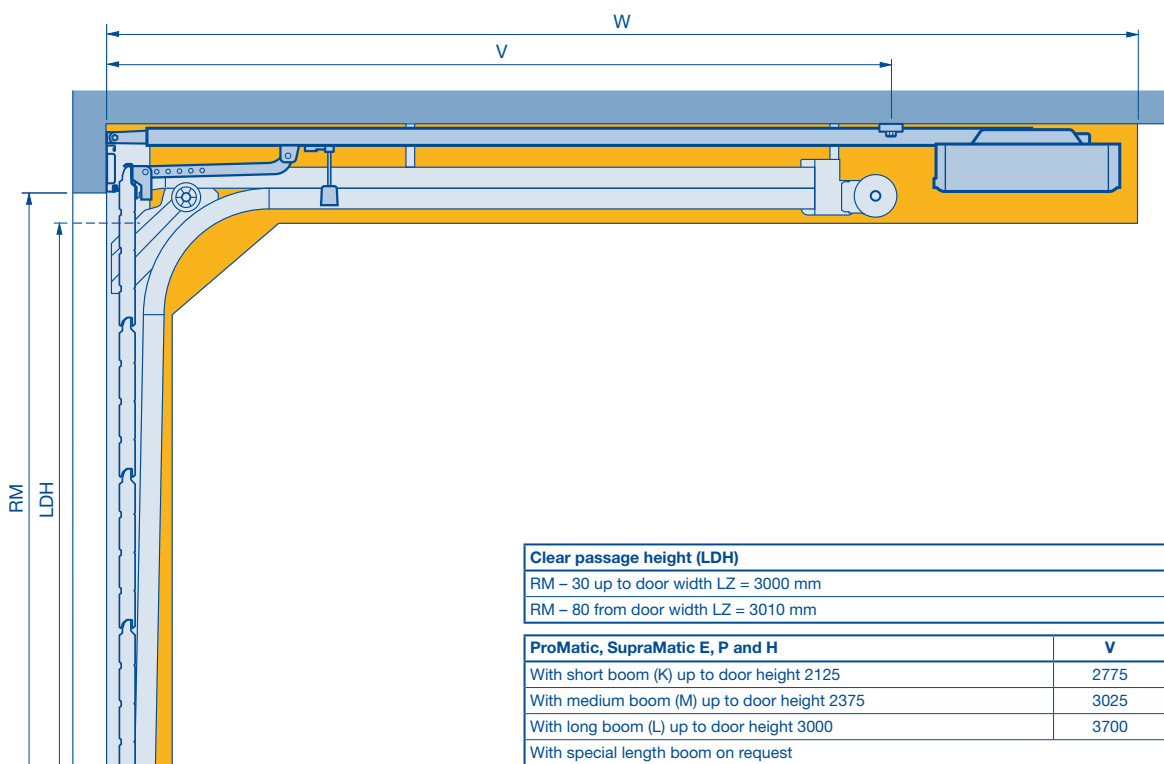
For further details, refer to the ProMatic and SupraMatic E/P/H fitting and operating instructions.

RM Grid height
LDH Clear passage height

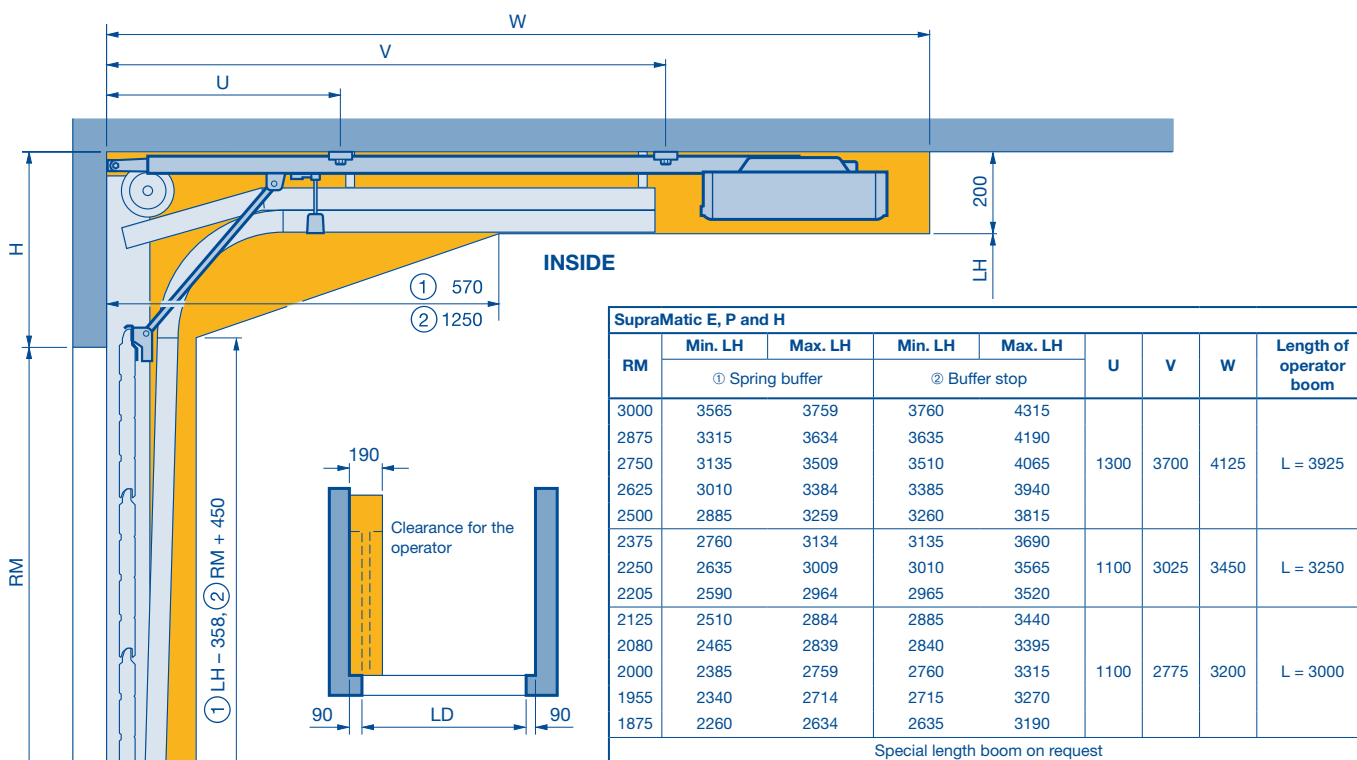
Garage Door Operators

ProMatic, SupraMatic E, P, H

Track application L



Track application H



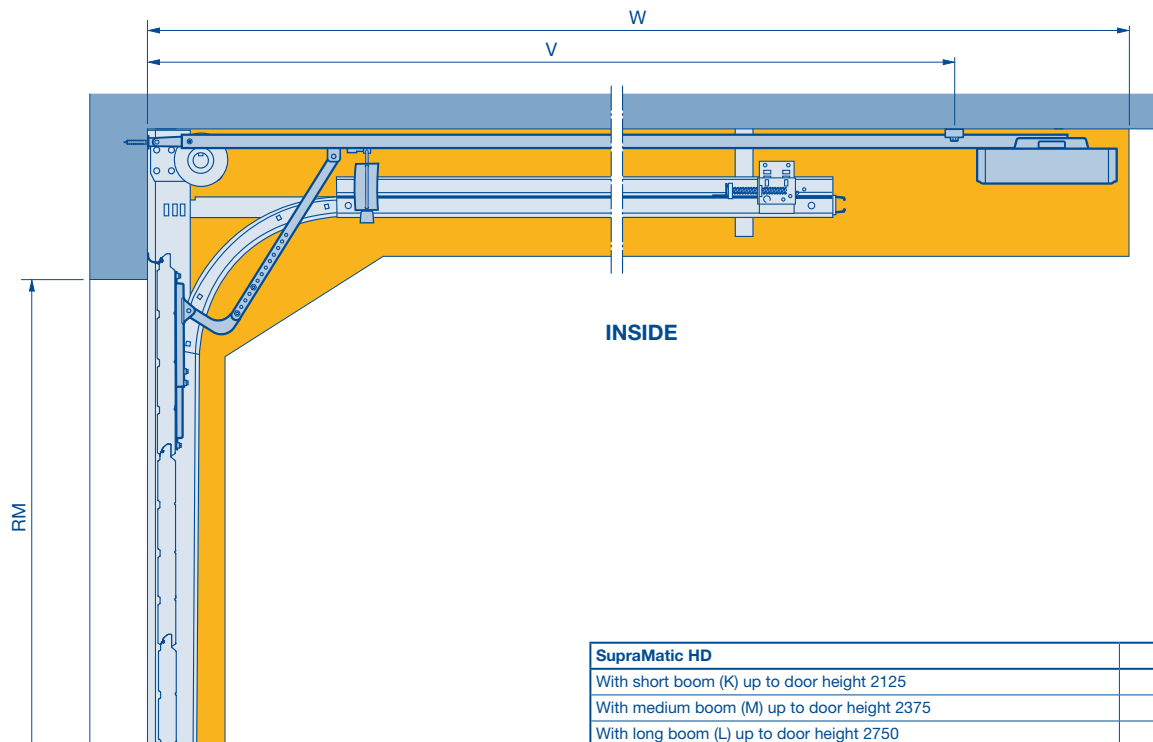
For further details, refer to the ProMatic and SupraMatic E/P/H fitting and operating instructions.

RM Grid height
LDH Clear passage height

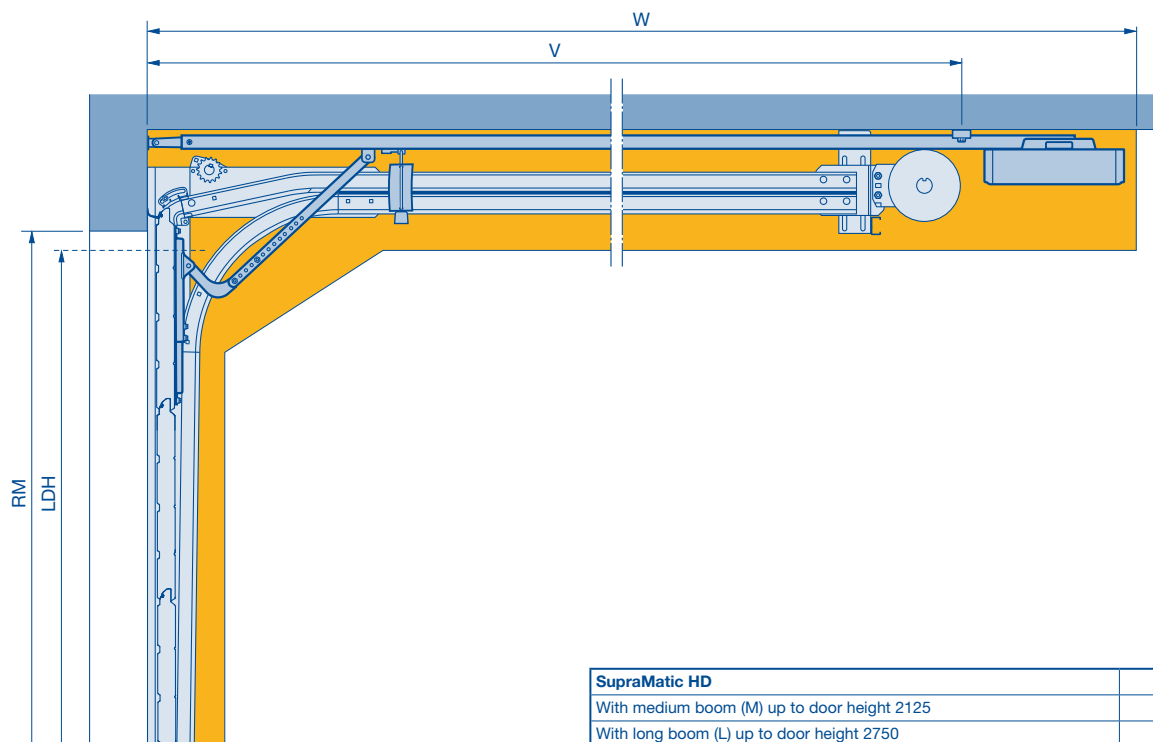
Garage Door Operators

SupraMatic HD

Track application N as industry version (galvanized frame)



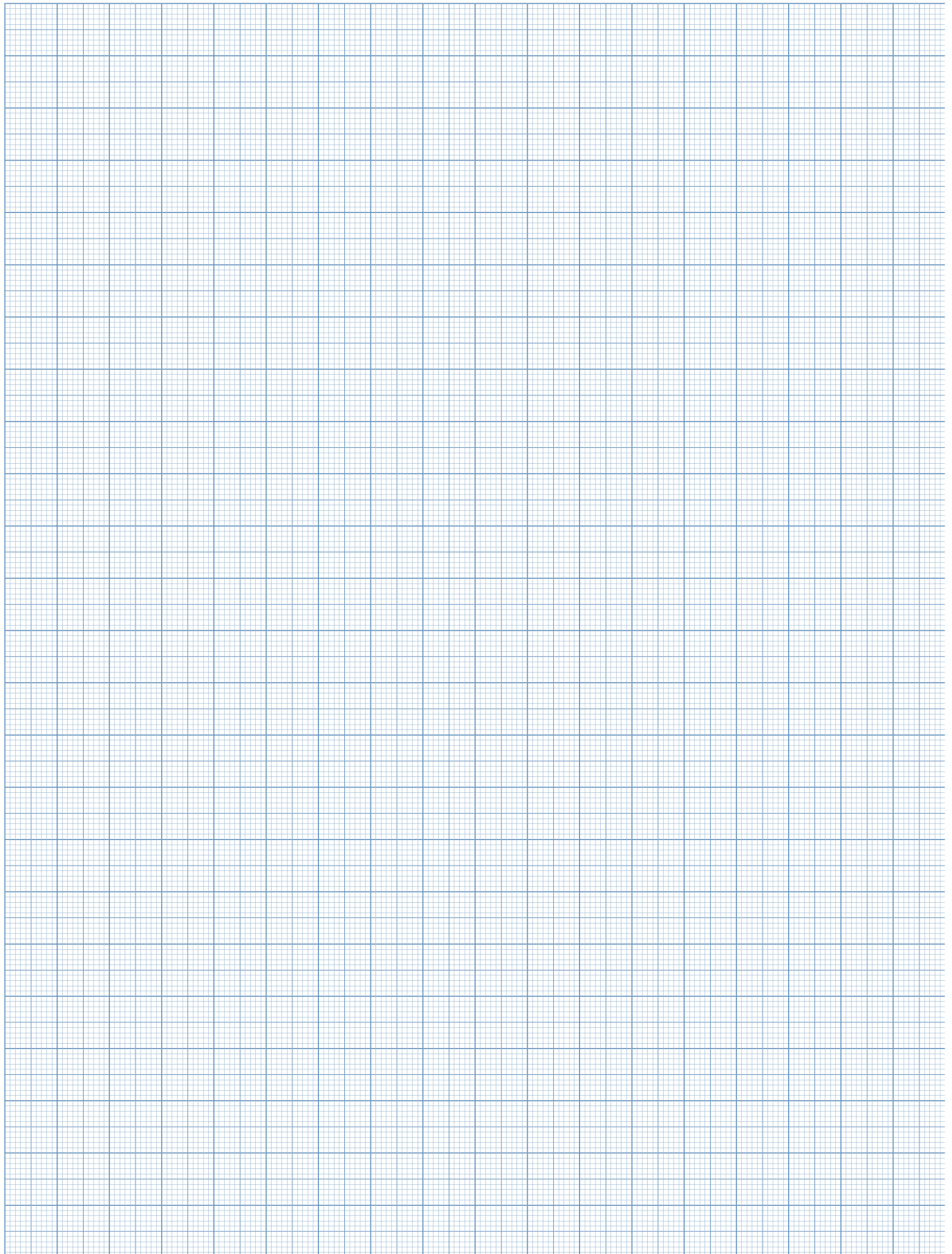
Track application L as industry version (galvanized frame)



For further details, refer to the SupraMatic HD fitting and operating instructions.

RM Grid height
LDH Clear passage height

Notes



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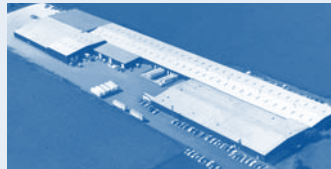
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GARAGE DOORS

OPERATORS

INDUSTRIAL DOORS

LOADING EQUIPMENT

HINGED DOORS

DOOR FRAMES

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