

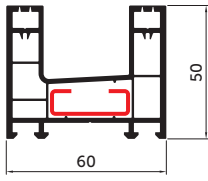


# **WDS SL 60**

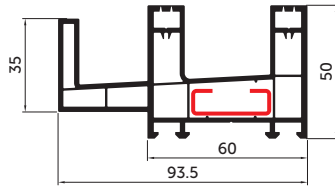
## **WDS SL 60 Sliding System Manual**

# MAIN PROFILES

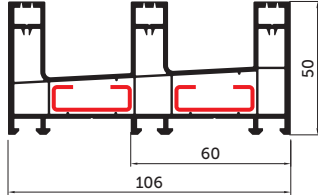
Frame SL 60/50  
**094**



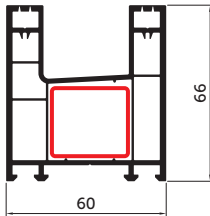
Frame SL 60/50 2+1  
**100**



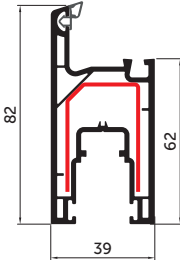
Frame SL 106/50  
**096**



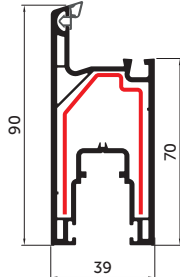
Frame SL 60/66  
**095**



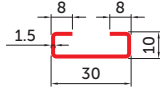
Sash SL 39/82  
**098**



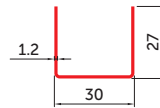
Sash SL 39/90  
**099**



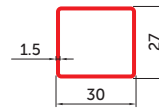
**R000078**



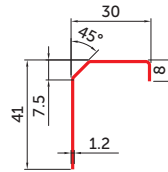
**R000080**



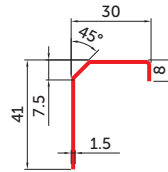
**R000081**



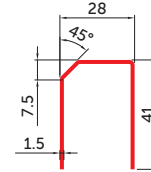
**R000082**



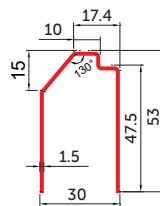
**R000083**



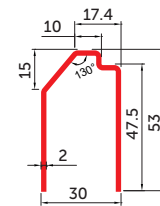
**R000084**



**R000090**

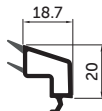


**R000091**

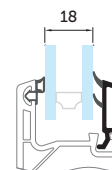


## GLAZING BEADS

Glazing bead  
**104**



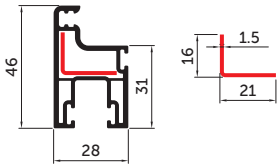
Glazing bead  
**044**



# ADDITIONAL PROFILES

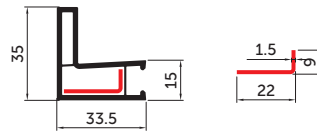
Sash  
for fly screen

**105**      **R000088**



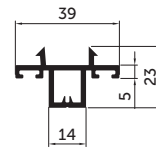
Frame  
for fly screen

**106**      **R000089**



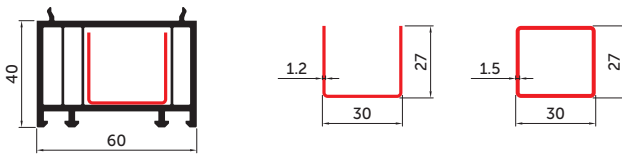
Sash adaptor SL

**103**



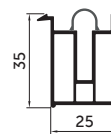
Frame extension

**013**      **R000080**      **R000081**



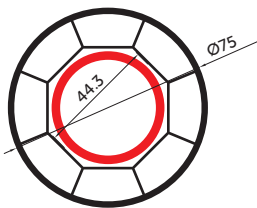
Fixed frame

**050**

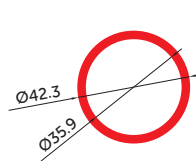


Pipe

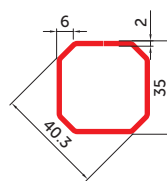
**051**



**R000006**

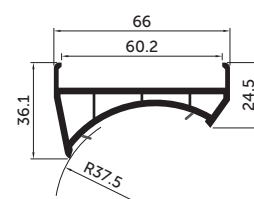


**R000047**



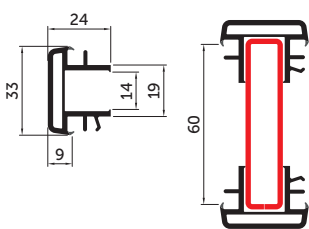
Pipe adaptor

**084**

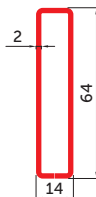


I-connector

**076**

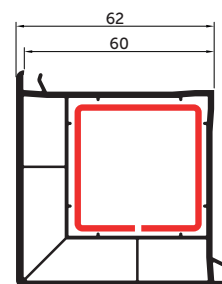


**R000007**

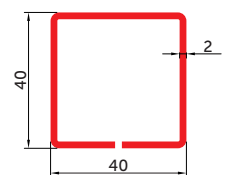


Corner connector

**120**

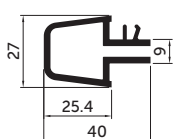


**R000038**

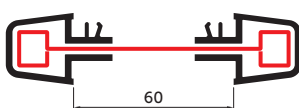


I-connector

**035**

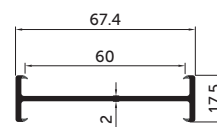


**R000022**



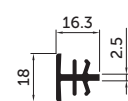
H-connector

**075**



H-connector

**024**

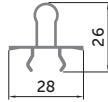


# COMPONENTS

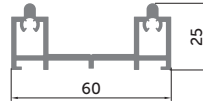
Rail aluminum  
**D000133**



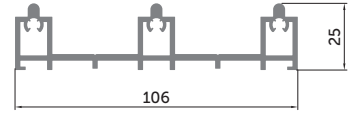
Fly screen adaptor  
aluminum  
**D000134**



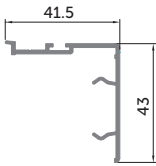
Double aluminum  
threshold  
**D000135**



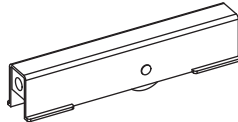
Triple aluminum  
threshold  
**D000136**



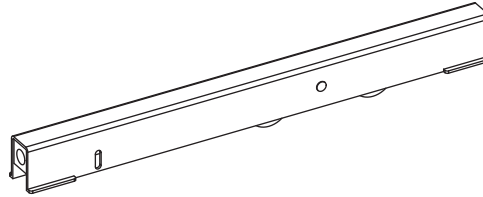
Cover profile for sash SL  
aluminum  
White RAL9016 **D000191**  
Brown RAL8017 **D000192**  
Anthracite RAL7016 **D000193**



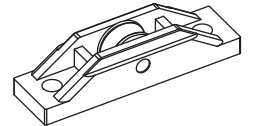
Window roller  
**D000120**



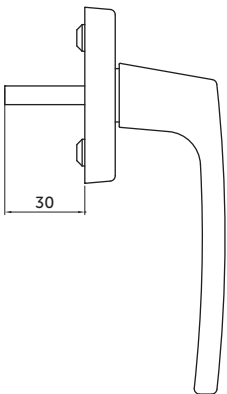
Door roller  
**D000119**



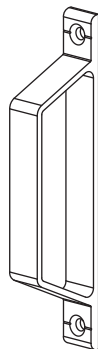
Fly screen roller  
**D000121**



Window handle  
30mm spindle  
White RAL9016 **D000146**  
Beige RAL8022 **D000149**  
Grey RAL7016 **D000150**



Handle for stulp SL  
overhead  
White RAL9016 **D000154**  
Beige RAL8022 **D000155**  
Grey RAL7016 **D000156**



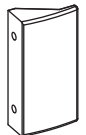
Window handle  
hidden  
White RAL9016 **D000123**  
Beige RAL8022 **D000147**  
Grey RAL7016 **D000148**



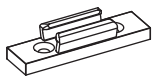
Window handle for SL  
hidden  
White RAL9016 **D000151**  
Beige RAL8022 **D000152**  
Grey RAL7016 **D000153**



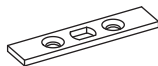
Fly screen  
handle  
White RAL9016 **D000130**  
Beige RAL8022 **D000158**  
Grey RAL7016 **D000159**



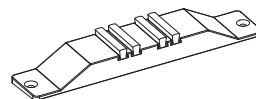
Striking plate  
**D000145**



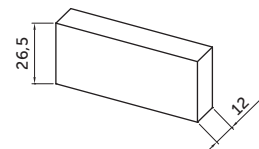
Centering plate  
**D000132**



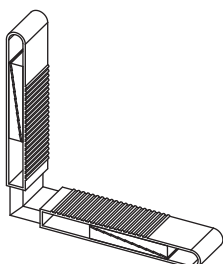
Gasket block  
**D000140**



Spacer  
**D000139**



Adjustable glass wedge  
**D000128**



Brush seal for windows  
**D000125**



Brush seal for doors  
**D000126**



Nipple screw  
**D000131**



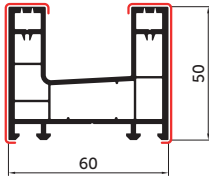
Mounting clip  
**D000181**



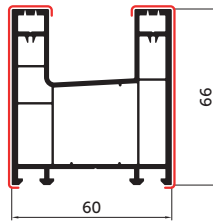


# PROFILES LAMINATION SCHEME

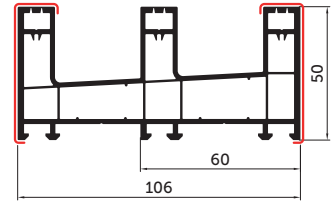
Frame SL 60/50  
**094**



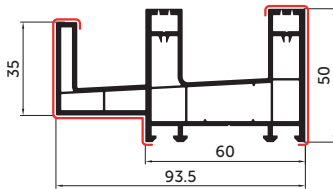
Frame SL 60/66  
**095**



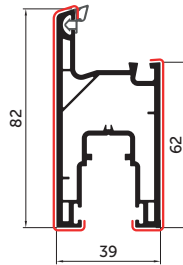
Frame SL 106/50  
**096**



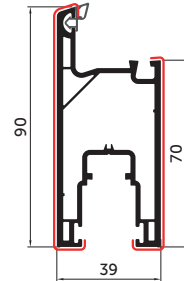
Frame SL 60/50 2+1  
**100**



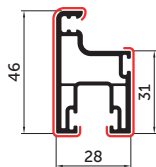
Sash SL 39/82  
**098**



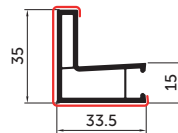
Sash SL 39/90  
**099**



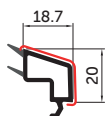
Sash for fly screen  
**105**



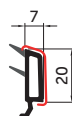
Frame for fly screen  
**106**



Glazing bead  
**104**

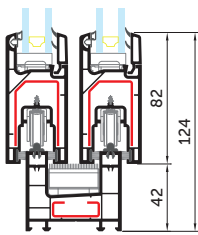


Glazing bead  
**044**



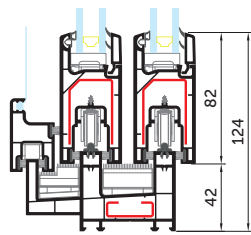
# MAXIMUM DIMENSIONS

Sash SL 39/82 **098**



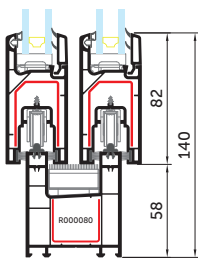
Frame SL 60/50 **094**

Sash SL 39/82 **098**



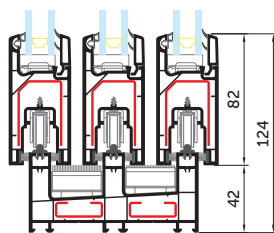
Frame SL 60/50 2+1 **100**

Sash SL 39/82 **098**



Frame SL 60/66 **095**

Sash SL 39/82 **098**

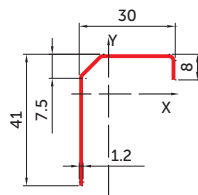


Frame SL 106/50 **096**

Maximum frame dimensions

**3500x1600**

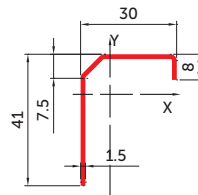
**R000082**



$$J_x(1,2\text{mm})=1,5\text{ cm}^4$$

$$J_y(1,2\text{mm})=1,0\text{ cm}^4$$

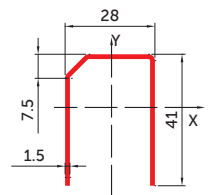
**R000083**



$$J_x(1,5\text{mm})=1,8\text{ cm}^4$$

$$J_y(1,5\text{mm})=1,2\text{ cm}^4$$

**R000084**



$$J_x(1,5\text{mm})=2,7\text{ cm}^4$$

$$J_y(1,5\text{mm})=2,2\text{ cm}^4$$

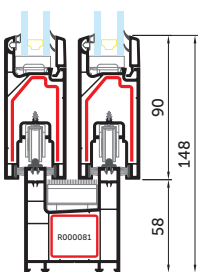
Maximum sash dimensions

**700x1200**

**1000x1500**

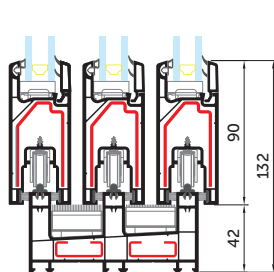
**1500x1500**

Sash SL 39/90 **099**



Frame SL 60/66 **095**

Sash SL 39/90 **099**

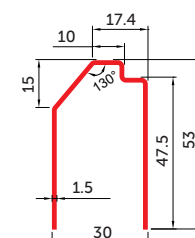


Frame SL 106/50 **096**

Maximum frame dimensions

**3500x2400**

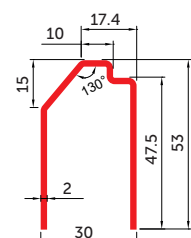
**R000090**



$$J_x(1,5\text{mm})=4,8\text{ cm}^4$$

$$J_y(1,5\text{mm})=3,0\text{ cm}^4$$

**R000091**



$$J_x(2\text{mm})=6,3\text{ cm}^4$$

$$J_y(2\text{mm})=3,8\text{ cm}^4$$

Maximum sash dimensions

**1000x2000**

**1600x2300**

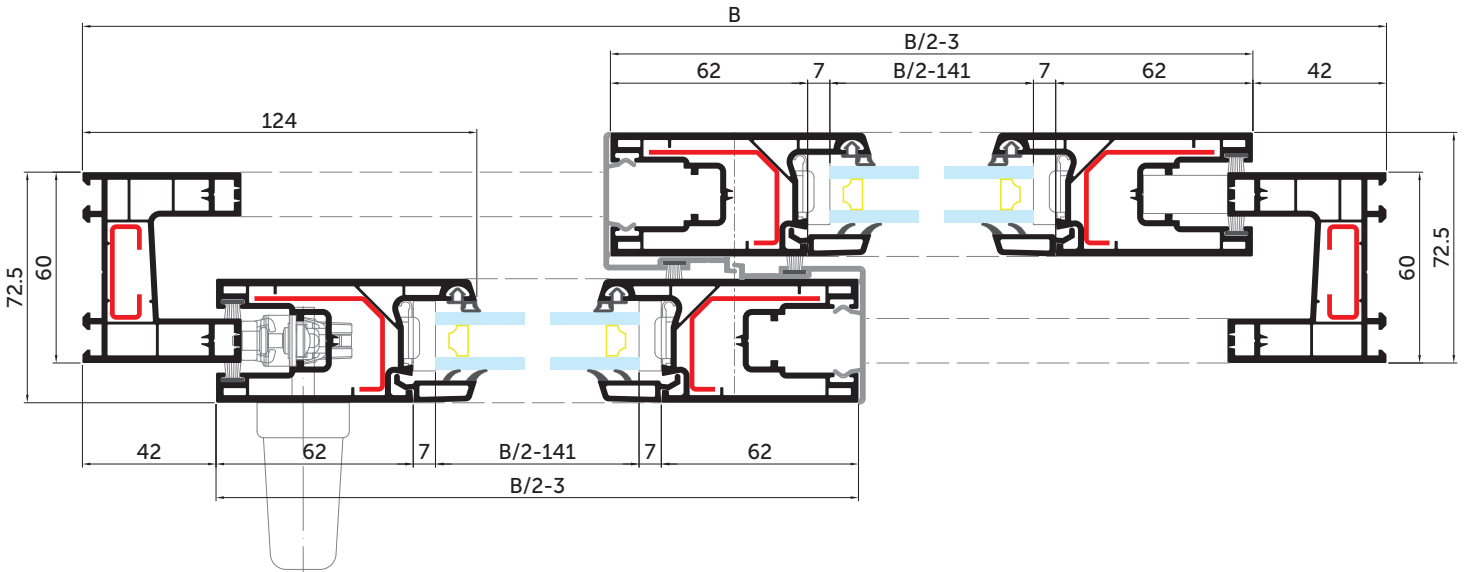
Maximum sash height to width ratio 2.5:1

For colored profiles, maximum frame dimensions are reduced by 100 mm in height and by 200 mm in width

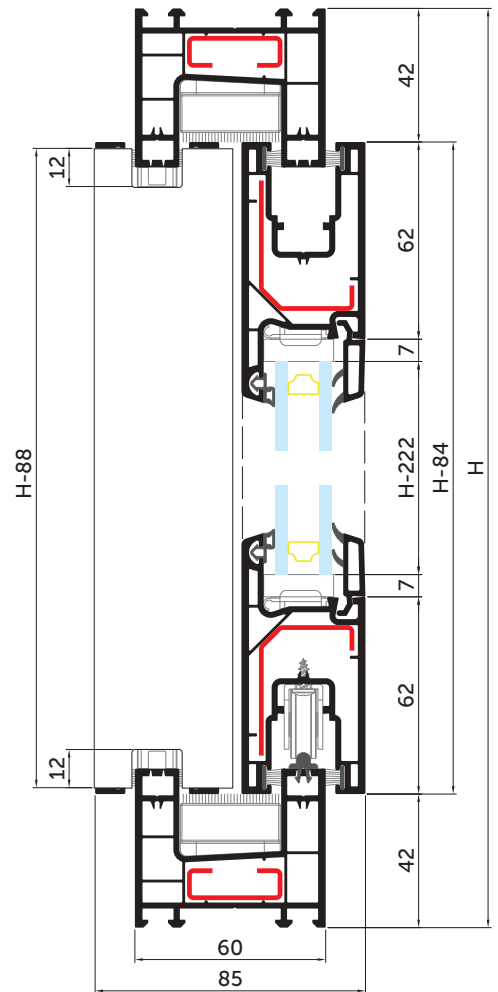
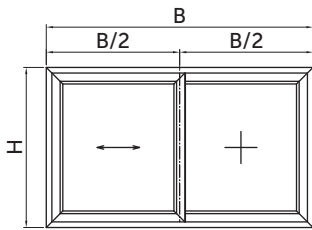
For colored profiles, maximum sash dimensions are reduced by 100 mm in height and by 100 mm in width

# MAIN DIMENSIONS

## Frame SL 60/50 (094) - Sash SL 39/82 (098)



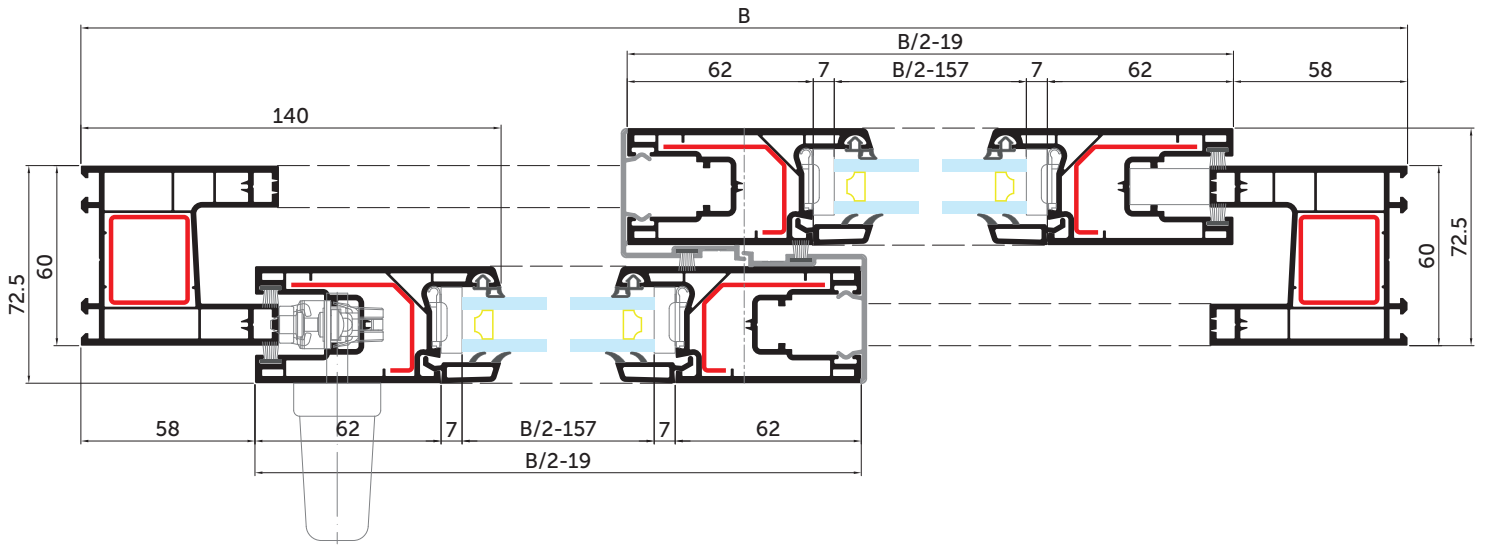
**Diagram 1**  
1 sliding sash, 1 fixed pane



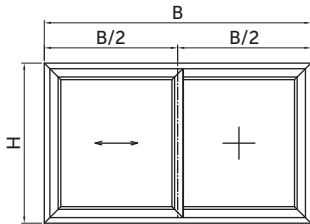
Item	Name	Angles	Size	Quantity
094	Frame SL 60/50	45 / 45	B+6 H+6	2 2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-52 H-52	2 2
098	Sash SL 39/82	45 / 45	B/2+3 H-78	4 4
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	B/2-123 H-204	4 4
D000125	Brush seal at sash	45 / 45	B/2+3 H-78	8 8
044	Glazing bead	45 / 45	B/2-127 H-208	4 4
D000191	Cover profile for sash SL aluminum	90 / 90	H-88	2
D000125	Brush seal at cover profile	90 / 90	H-88	2
D000133	Rail aluminum	90 / 90	B-100	1
D000140	Gasket block			2
D000120	Window roller			2
D000146	Window handle 30mm spindle			1
K1048-XX-XXX	Espagnolette for sliding system dornmass 7.5 mm		FH=H-130	1
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			1
D000128	Window roller			8
D000139	Adjustable glass wedge			6
	Glass unit		B/2-141 H-222	2

# MAIN DIMENSIONS

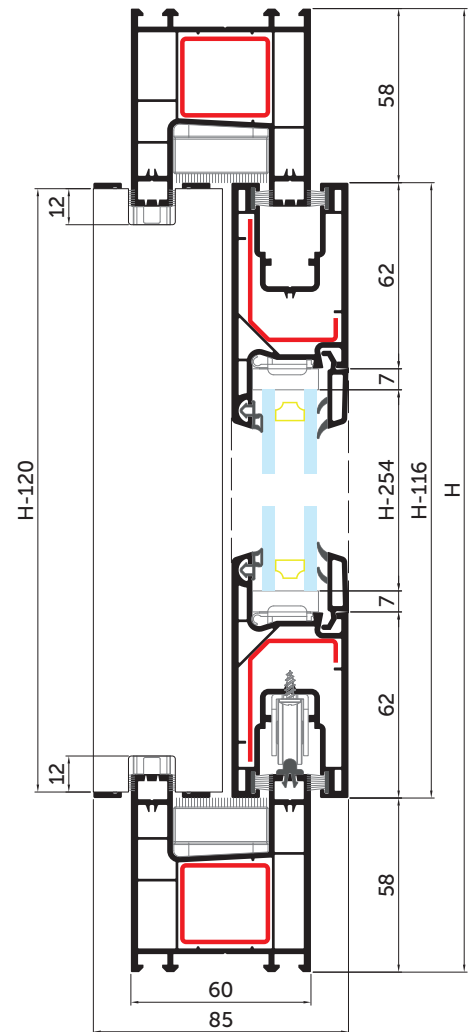
## Frame SL 60/66 (095) - Sash SL 39/82 (098)



**Diagram 1**  
1 sliding sash, 1 fixed pane

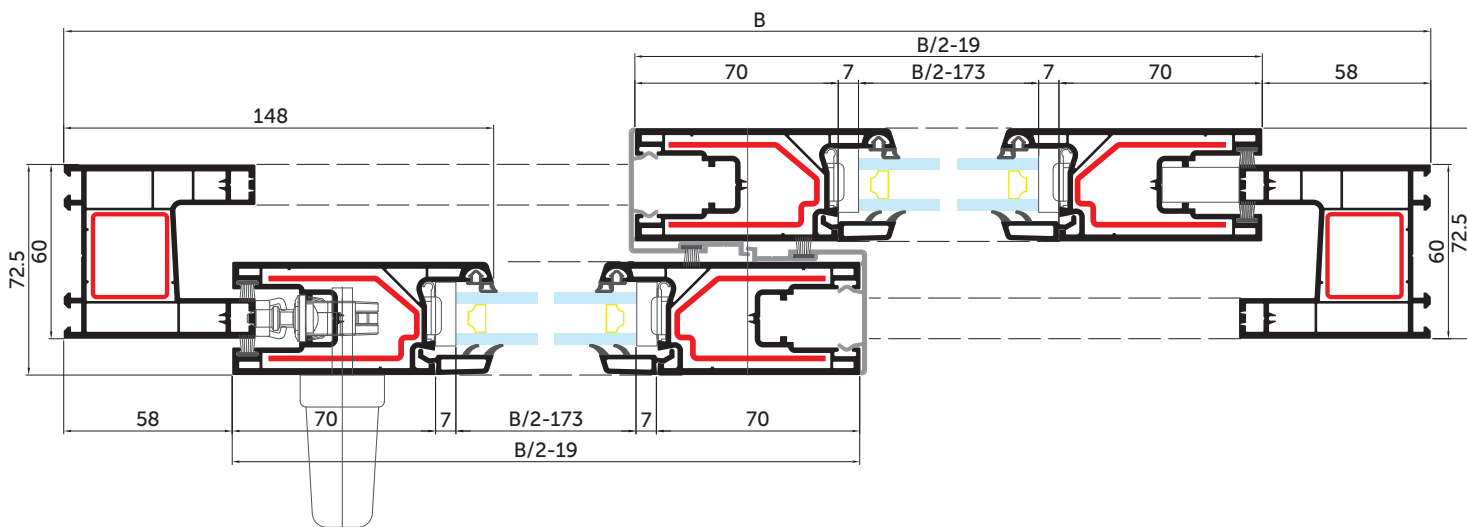


Item	Name	Angles	Size	Quantity
095	Frame SL 60/66	45 / 45	B+6 H+6	2 2
R000081	Reinforcement profile 27x30x27x30 (1.5 mm)	90 / 90	B-86 H-86	2 2
098	Sash SL 39/82	45 / 45	B/2-13 H-110	4 4
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	B/2-139 H-236	4 4
D000125	Brush seal at sash	45 / 45	B/2-13 H-110	8 8
044	Glazing bead	45 / 45	B/2-143 H-240	4 4
D000191	Cover profile for sash SL aluminum	90 / 90	H-120	2
D000125	Brush seal at cover profile	90 / 90	H-120	2
D000133	Rail aluminum	90 / 90	B-132	1
D000140	Gasket block			2
D000120	Window roller			2
D000146	Window handle 30mm spindle			1
K1048-XX-XXX	Espagnolette for sliding system dornmass 7.5 mm		FH=H-162	1
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			1
D000128	Adjustable glass wedge			8
D000139	Spacer			6
	Glass unit		B/2-157 H-254	2 2

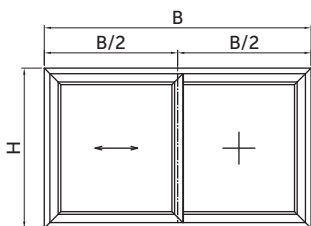


# MAIN DIMENSIONS

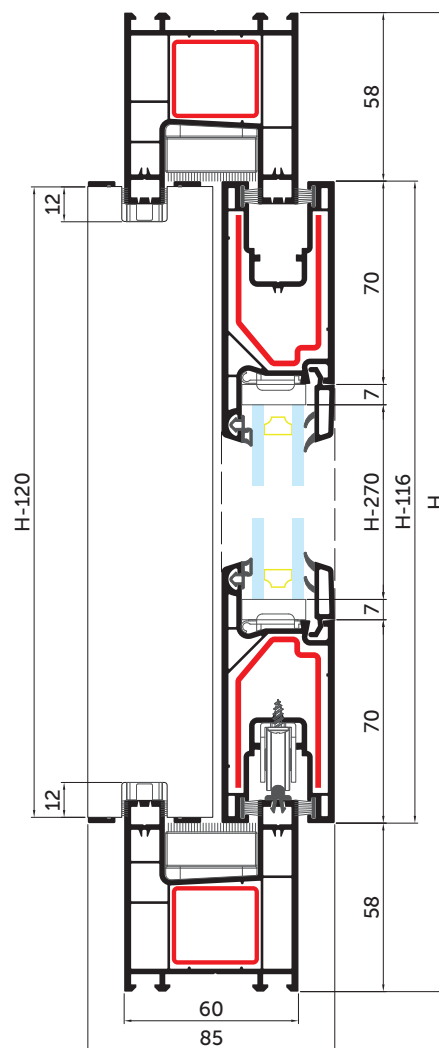
## Frame SL 60/66 (095) - Sash SL 39/90 (099)



**Diagram 1**  
1 sliding sash, 1 fixed pane

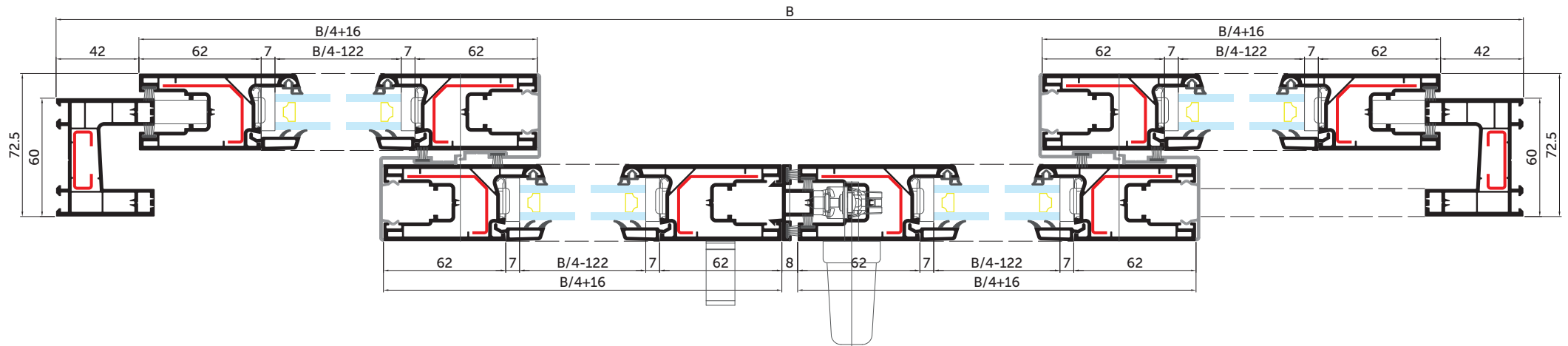


Item	Name	Angles	Size	Quantity
095	Frame SL 60/66	45 / 45	B+6 H+6	2 2
R000081	Reinforcement profile 27x30x27x30 (1.5 mm)	90 / 90	B-86 H-86	2 2
099	Sash SL 39/90	45 / 45	B/2-13 H-110	4 4
R000090	Reinforcement profile 53x30x53 (1.5 mm)	90 / 90	B/2-163 H-260	4 4
D000125	Brush seal at sash	45 / 45	B/2-13 H-110	8 8
044	Glazing bead	45 / 45	B/2-159 H-256	4 4
D000191	Cover profile for sash SL aluminum	90 / 90	H-120	2
D000125	Brush seal at cover profile	90 / 90	H-120	2
D000133	Rail aluminum	90 / 90	B-132	1
D000140	Gasket block			2
D000119	Door roller			2
D000146	Window handle 30mm spindle			1
K1005-XX-XXX	Espagnolette for sliding system dornmass 15 mm		FH=H-162	1
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			1
D000128	Adjustable glass wedge			8
D000139	Spacer			6
	Glass unit		B/2-173 H-270	2 2

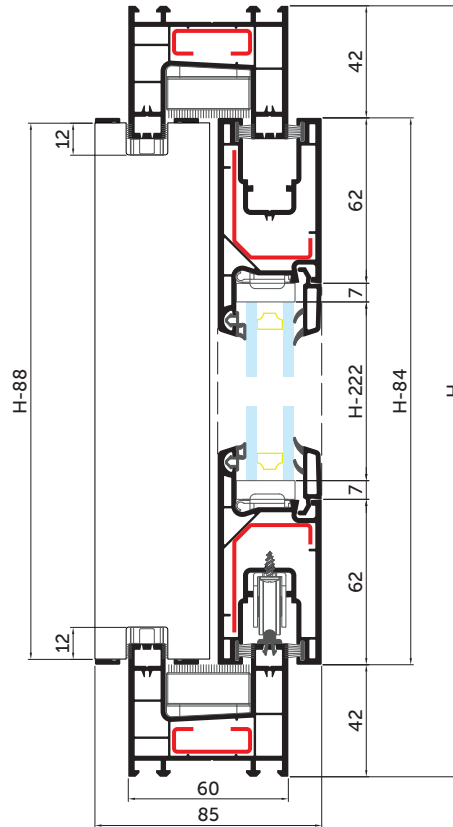


# MAIN DIMENSIONS

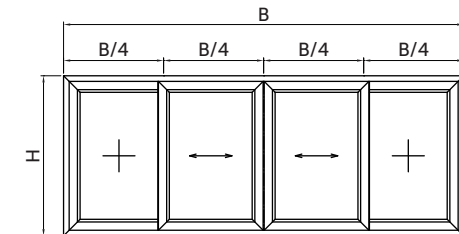
## Frame SL 60/50 (094) - Sash SL 39/82 (098)



Item	Name	Angles	Size	Quantity
094	Frame SL 60/50	45 / 45	B+6 H+6	2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-52 H-52	2
098	Sash SL 39/82	45 / 45	B/4+22 H-78	8
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	B/4-104 H-204	8
D000125	Brush seal at sash	45 / 45	B/4+22 H-78	16
044	Glazing bead	45 / 45	B/4-108 H-208	8
D000191	Cover profile for sash SL aluminum	90 / 90	H-88	4
D000125	Brush seal at cover profile	90 / 90	H-88	4
D000133	Rail aluminum	90 / 90	B-100	1
103	Sash adaptor SL	90 / 90	H-102	1
D000125	Brush seal at sash adaptor	90 / 90	H-102	2
D000140	Gasket block			4
D000120	Window roller			4
D000146	Window handle 30mm spindle			1
D000154	Handle for stulp SL overhead			1
K1048-XX-XXX	Espagnolette for sliding system dornmass 7.5 mm		FH=H-130	1
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			1
D000128	Adjustable glass wedge			16
D000139	Spacer			12
	Glass unit		B/4-122 H-222	4

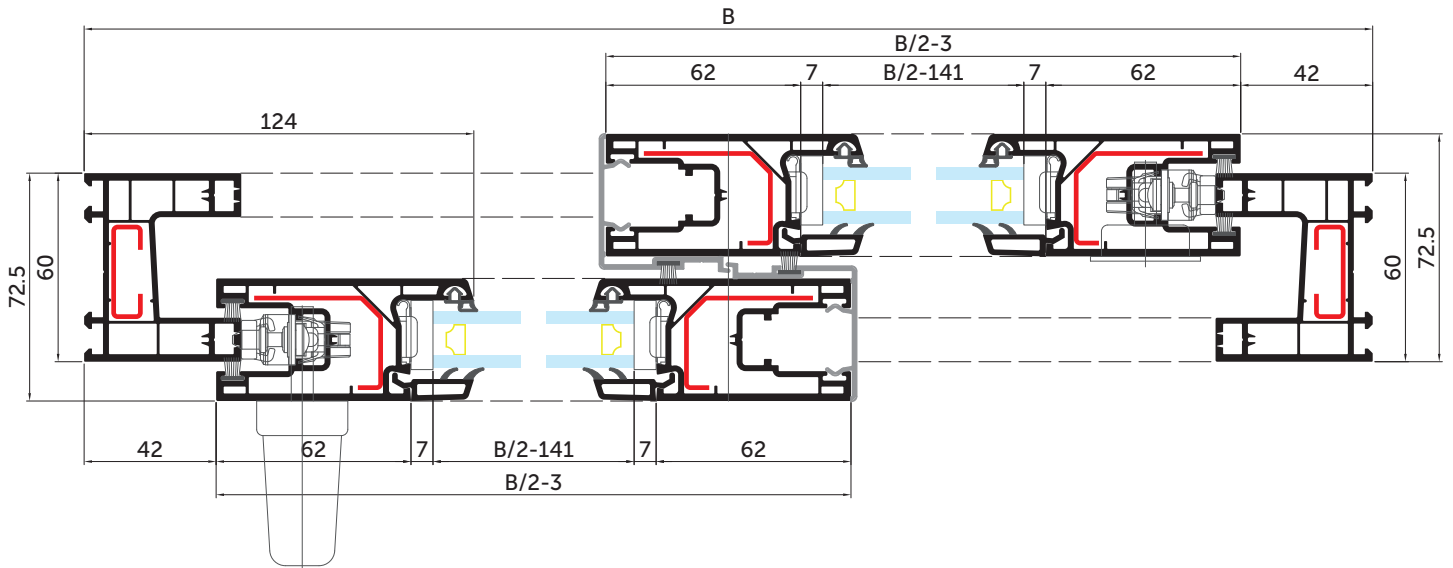


**Diagram 2**  
2 sliding sashes, 2 fixed panes

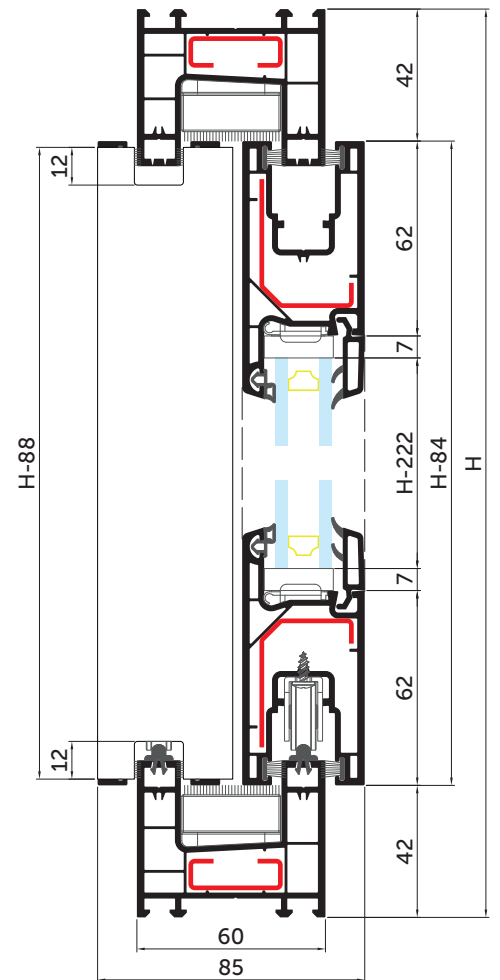
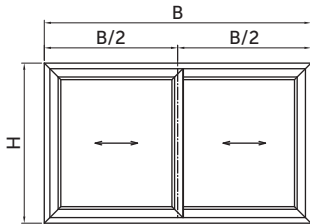


# MAIN DIMENSIONS

## Frame SL 60/50 (094) - Sash SL 39/82 (098)



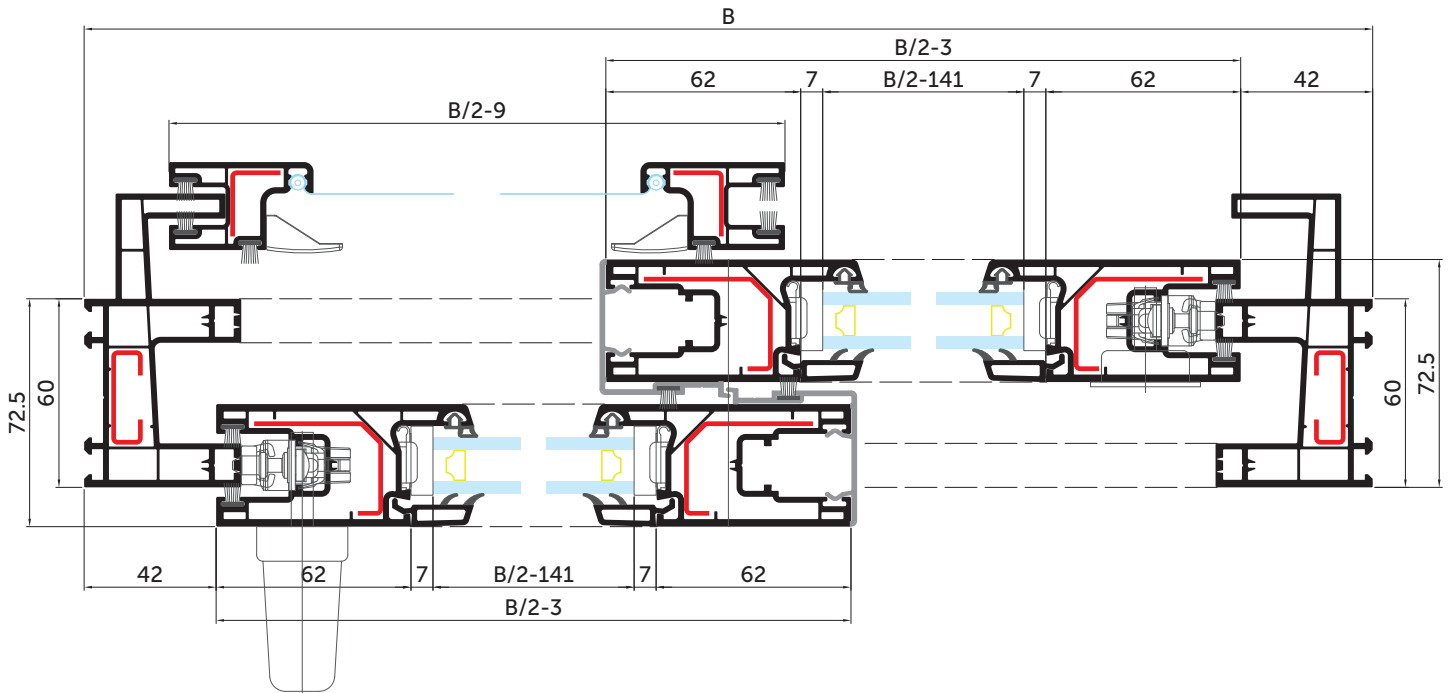
**Diagram 3**  
2 sliding sashes



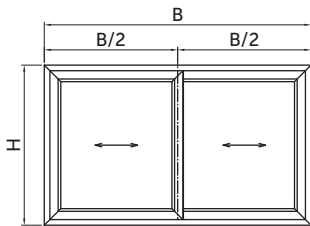
Item	Name	Angles	Size	Quantity
094	Frame SL 60/50	45 / 45	B+6 H+6	2 2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-52 H-52	2 2
098	Sash SL 39/82	45 / 45	B/2+3 H-78	4 4
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	B/2-123 H-204	4 4
D000125	Brush seal at sash	45 / 45	B/2+3 H-78	8 8
044	Glazing bead	45 / 45	B/2-127 H-208	4 4
D000191	Cover profile for sash SL aluminum	90 / 90	H-88	2
D000125	Brush seal at cover profile	90 / 90	H-88	2
D000133	Rail aluminum	90 / 90	B-100	2
D000140	Gasket block			2
D000120	Window roller			4
D000146	Window handle 30mm spindle			1
D000123	Window handle for SL hidden			1
K1048-XX-XXX	Espagnolette for sliding system dornmass 7.5 mm		FH=H-130	2
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			2
D000128	Adjustable glass wedge			8
	Glass unit		B/2-141 H-222	2

# MAIN DIMENSIONS

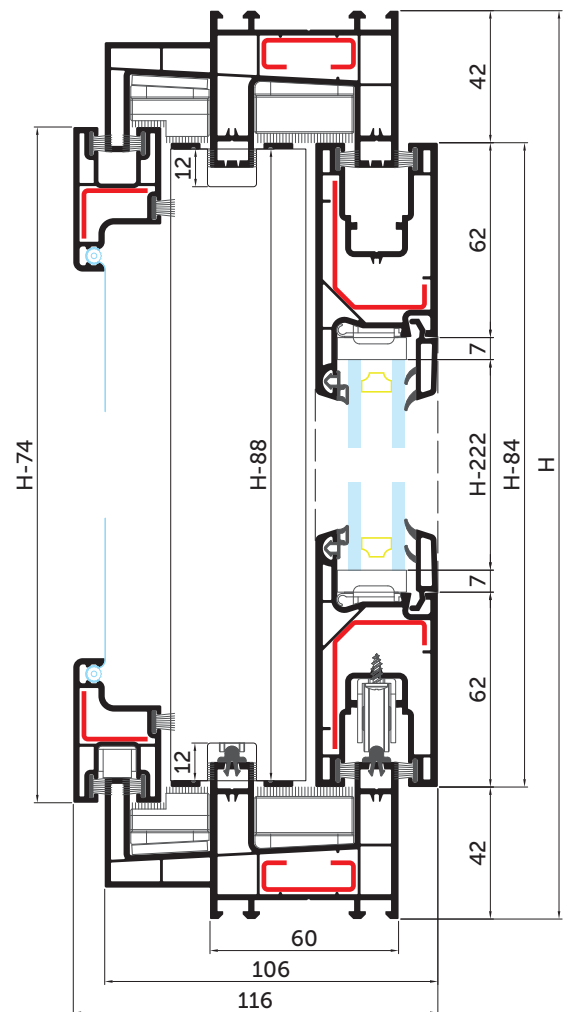
## Frame SL 60/50 2+1 (100) - Sash SL 39/82 (098) - Sash for fly screen (105)



**Diagram 3**  
2 sliding sashes



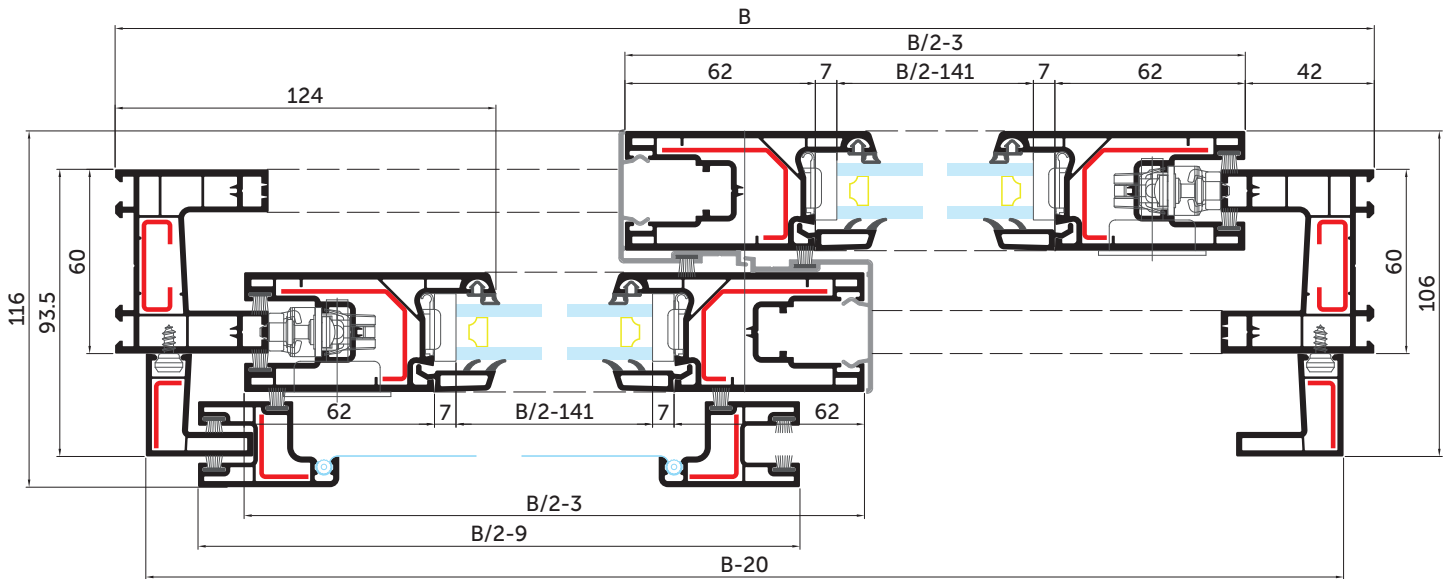
Item	Name	Angles	Size	Quantity
100	Frame SL 60/50 2+1	45 / 45	B+6 H+6	2 2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-52 H-52	2 2
098	Sash SL 39/82	45 / 45	B/2+3 H-78	4 4
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	B/2-123 H-204	4 4
D000125	Brush seal at sash	45 / 45	B/2+3 H-78	8 8
105	Sash for fly screen	45 / 45	B/2-3 H-68	2 2
R000088	Reinforcement profile 16x21 (1.5 mm)	90 / 90	B/2-95 H-160	2 2
D000125	Brush seal at sash for fly screen	45 / 45	B/2-3 H-68	6 6
	Fly screen spline 5 mm		B/2-3 H-68	2 2
	Fly screen, m <sup>2</sup>		B*H/2	1
044	Glazing bead	45 / 45	B/2-127 H-208	4 4
D000191	Cover profile for sash SL aluminum	90 / 90	H-88	2
D000125	Brush seal at cover profile	90 / 90	H-88	2
D000133	Rail aluminum	90 / 90	B-100	2
D000140	Gasket block			2
D000120	Window roller			4
D000121	Fly screen roller			2
D000130	Fly screen handle			2
D000146	Window handle 30mm spindle			1
D000123	Window handle for SL hidden			1
K1048-XX-XXX	Espagnolette for sliding system dornmass 7.5 mm		FH=H-130	2
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			2
D000128	Adjustable glass wedge			8
	Glass unit		B/2-141 H-222	2



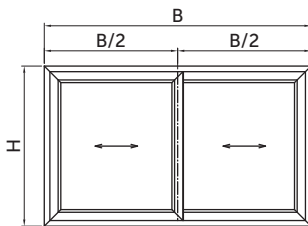


# MAIN DIMENSIONS

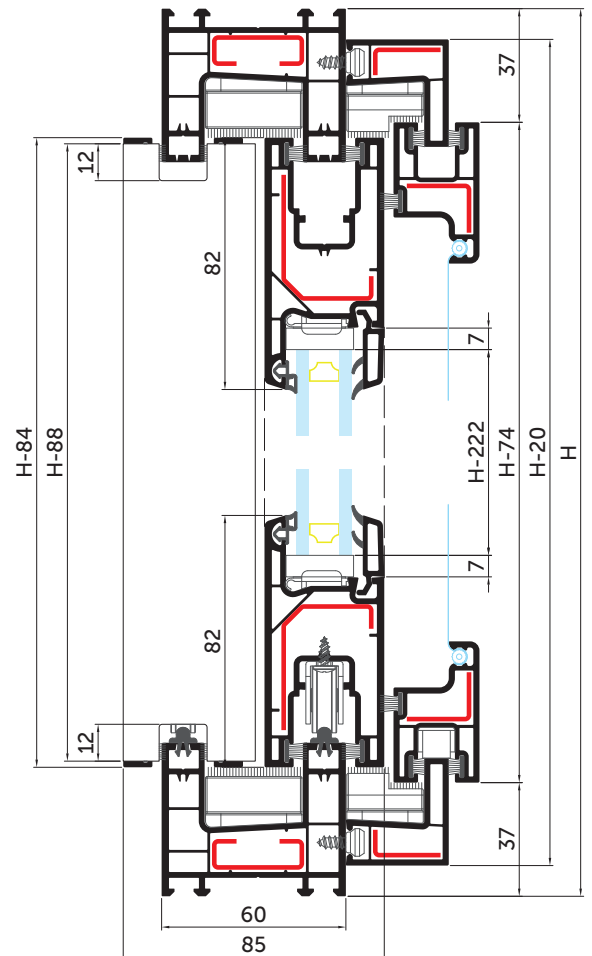
## Frame SL 60/50 (094) - Sash SL 39/82 (098) - Frame for fly screen (106) - Sash for fly screen (105)



**Diagram 3**  
2 sliding sashes

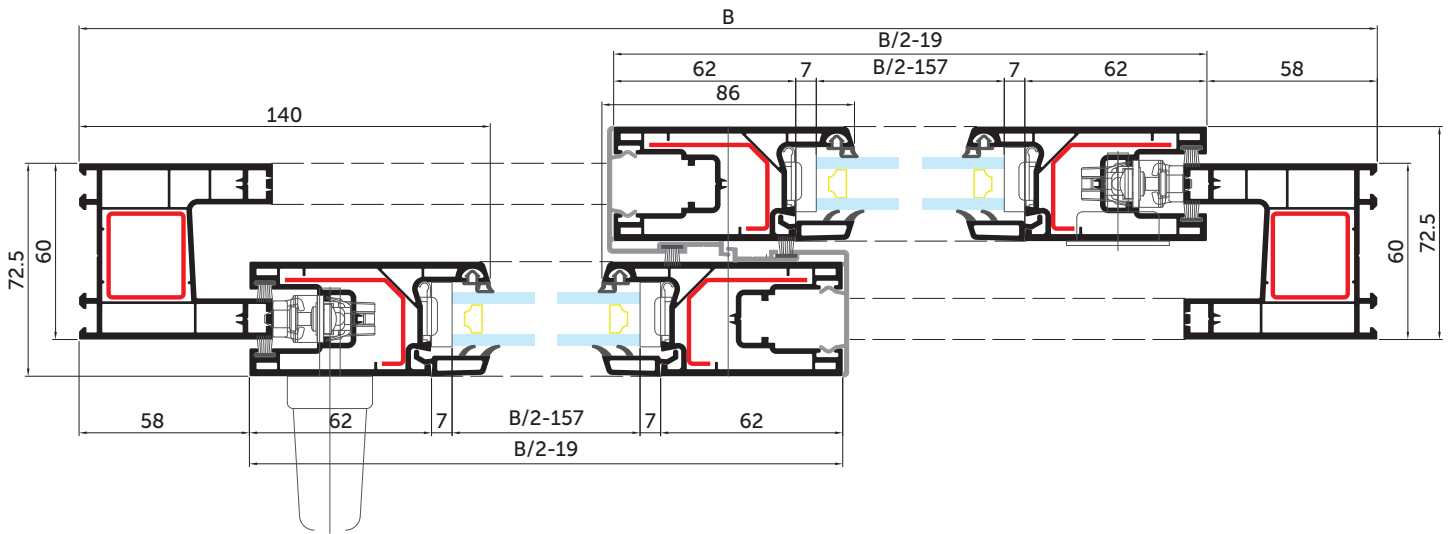


Item	Name	Angles	Size	Quantity
094	Frame SL 60/50	45 / 45	B+6 H+6	2 2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-52 H-52	2 2
098	Sash SL 39/82	45 / 45	B/2+3 H-78	4 4
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	B/2-123 H-204	4 4
D000125	Brush seal at sash	45 / 45	B/2+3 H-78	8 8
106	Frame for fly screen	45 / 45	B-20 H-20	2 2
R000089	Reinforcement profile 22x9 (1.5 mm)	90 / 90	B-62 H-62	2 2
105	Sash for fly screen	45 / 45	B/2-3 H-68	2 2
R000088	Reinforcement profile 16x21 (1.5 mm)	90 / 90	B/2-95 H-160	2 2
D000125	Brush seal at sash for fly screen	45 / 45	B/2-3 H-68	6 6
	Fly screen spline 5 mm		B/2-3 H-68	2 2
	Fly screen, m <sup>2</sup>		B*H/2	1
044	Glazing bead	45 / 45	B/2-127 H-208	4 4
D000191	Cover profile for sash SL aluminum	90 / 90	H-88	2
D000125	Brush seal at cover profile	90 / 90	H-88	2
D000133	Rail aluminum	90 / 90	B-100	2
D000140	Gasket block			2
D000120	Window roller			4
D000121	Fly screen roller			2
D000130	Fly screen handle			2
D000146	Window handle 30mm spindle			1
D000123	Window handle for SL hidden			1
K1048-XX-XXX	Espagnolette for sliding system dornmass 7.5 mm		FH=H-130	2
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			2
D000128	Adjustable glass wedge			8
D000131	Nipple screw			4 pcs per 1 m
	Glass unit		B/2-141 H-222	2

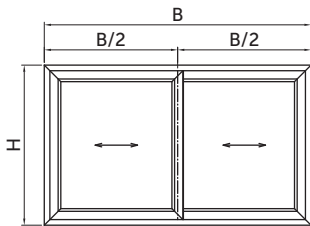


# MAIN DIMENSIONS

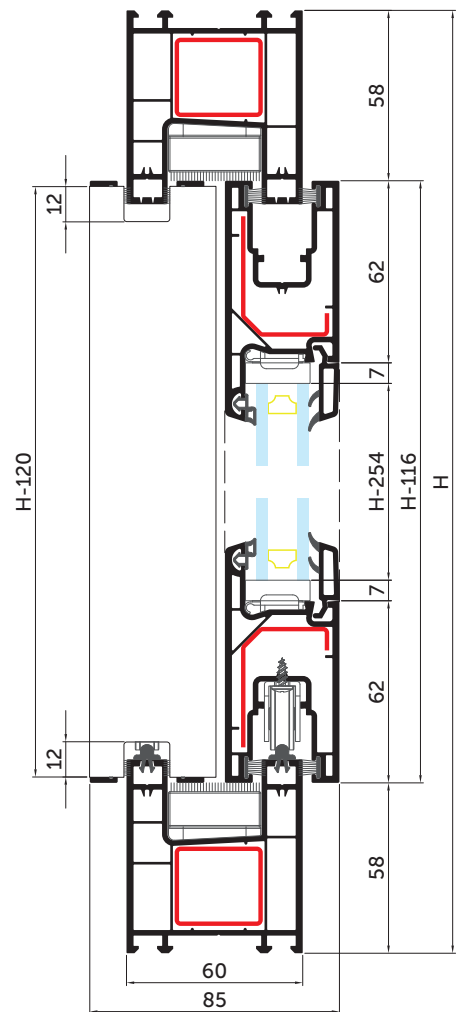
## Frame SL 60/66 (095) - Sash SL 39/82 (098)



**Diagram 3**  
2 sliding sashes

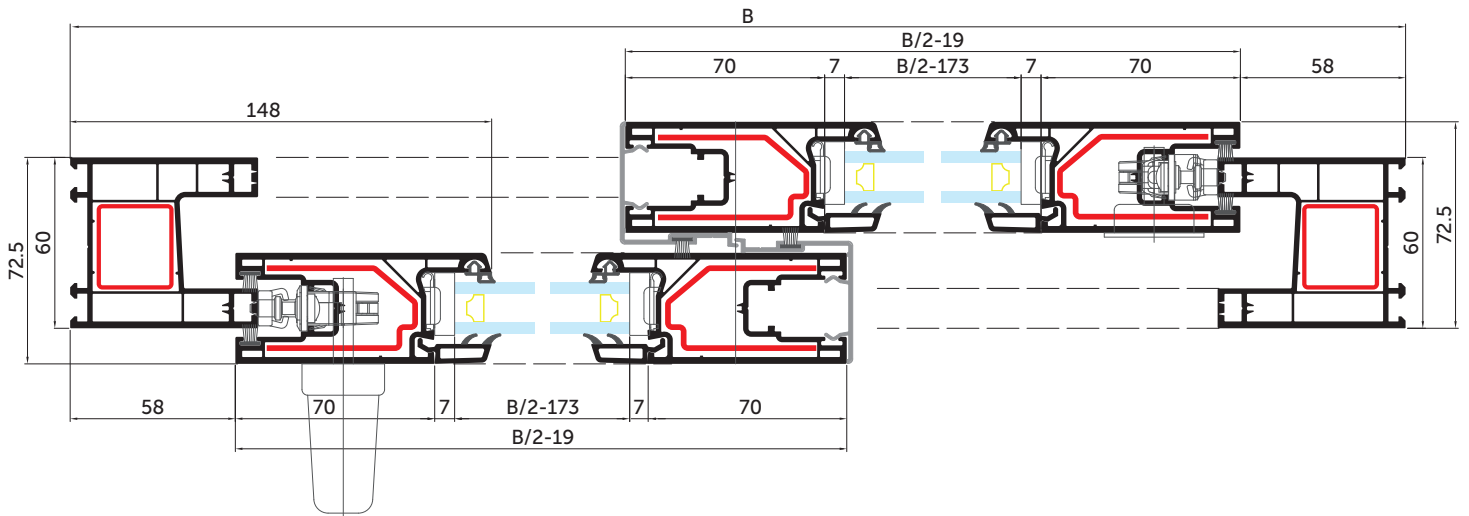


Item	Name	Angles	Size	Quantity
095	Frame SL 60/66	45 / 45	B+6 H+6	2 2
R000081	Reinforcement profile 27x30x27x30 (1.5 mm)	90 / 90	B-86 H-86	2 2
098	Sash SL 39/82	45 / 45	B/2-13 H-110	4 4
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	B/2-139 H-236	4 4
D000125	Brush seal at sash	45 / 45	B/2-13 H-110	8 8
044	Glazing bead	45 / 45	B/2-143 H-240	4 4
D000191	Cover profile for sash SL aluminum	90 / 90	H-120	2
D000125	Brush seal at cover profile	90 / 90	H-120	2
D000133	Rail aluminum	90 / 90	B-132	2
D000140	Gasket block			2
D000120	Window roller			4
D000146	Window handle 30mm spindle			1
D000123	Window handle for SL hidden			1
K1048-XX-XXX	Espagnolette for sliding system dornmass 7.5 mm		FH=H-162	2
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			2
D000128	Adjustable glass wedge			8
	Glass unit		B/2-157 H-254	2

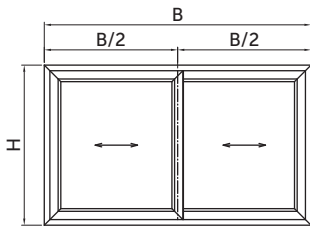


# MAIN DIMENSIONS

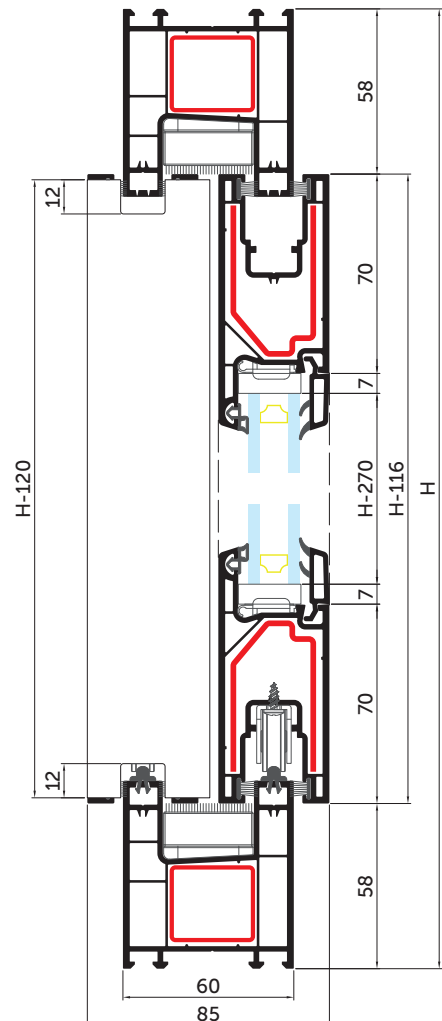
## Frame SL 60/66 (095) - Sash SL 39/90 (099)



**Diagram 3**  
2 sliding sashes

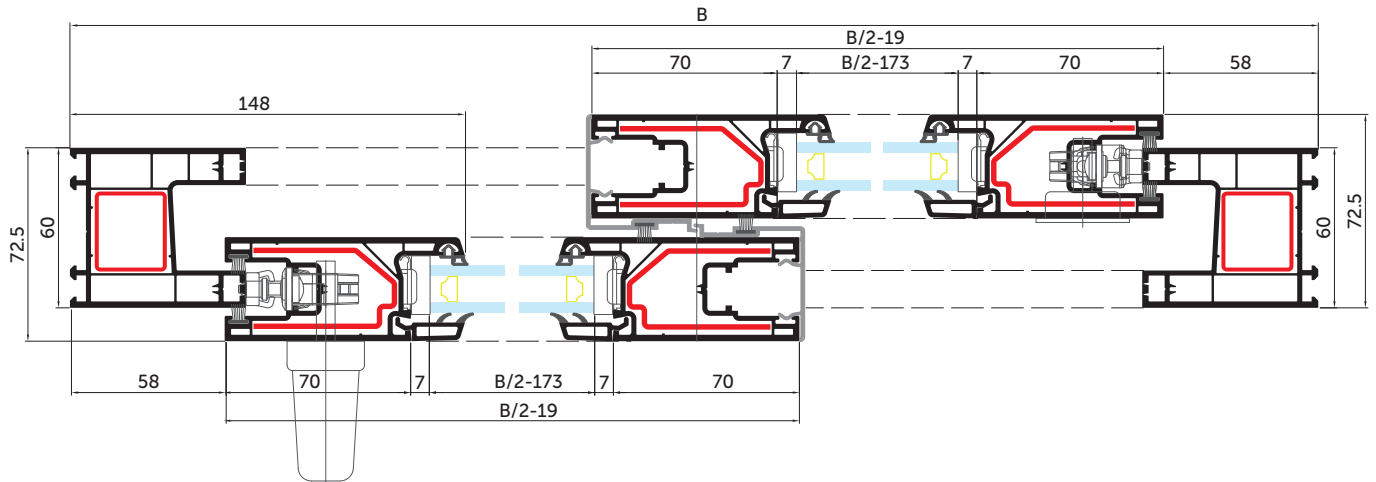


Item	Name	Angles	Size	Quantity
095	Frame SL 60/66	45 / 45	B+6 H+6	2 2
R000081	Reinforcement profile 27x30x27x30 (1.5 mm)	90 / 90	B-86 H-86	2 2
099	Sash SL 39/90	45 / 45	B/2-13 H-110	4 4
R000090	Reinforcement profile 53x30x53 (1.5 mm)	90 / 90	B/2-163 H-260	4 4
D000125	Brush seal at sash	45 / 45	B/2-13 H-110	8 8
044	Glazing bead	45 / 45	B/2-159 H-256	4 4
D000191	Cover profile for sash SL aluminum	90 / 90	H-120	2
D000125	Brush seal at cover profile	90 / 90	H-120	2
D000133	Rail aluminum	90 / 90	B-132	2
D000140	Gasket block			2
D000119	Door roller			4
D000146	Window handle 30mm spindle			1
D000123	Window handle for SL hidden			1
K1005-XX-XXX	Espagnolette for sliding system dornmass 15 mm		FH=H-162	2
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			2
D000128	Adjustable glass wedge			8
	Glass unit		B/2-173 H-270	2

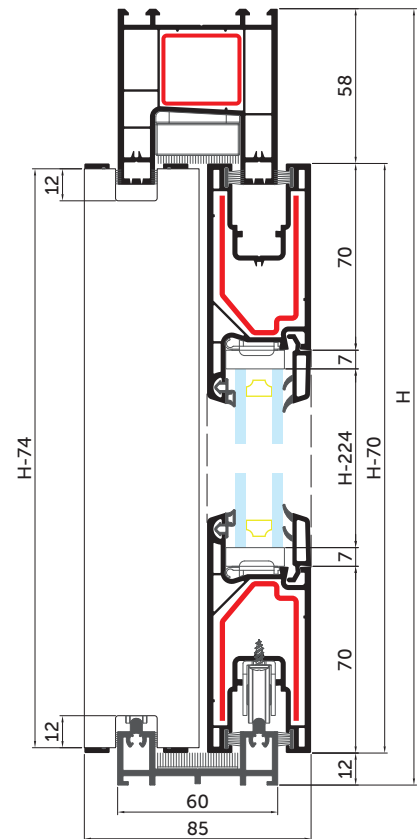
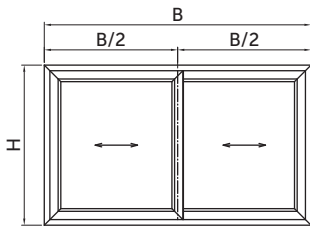


# MAIN DIMENSIONS

## Frame SL 60/66 (095) - Sash SL 39/90 (099) - Double aluminum threshold (D000135)



**Diagram 3**  
2 sliding sashes

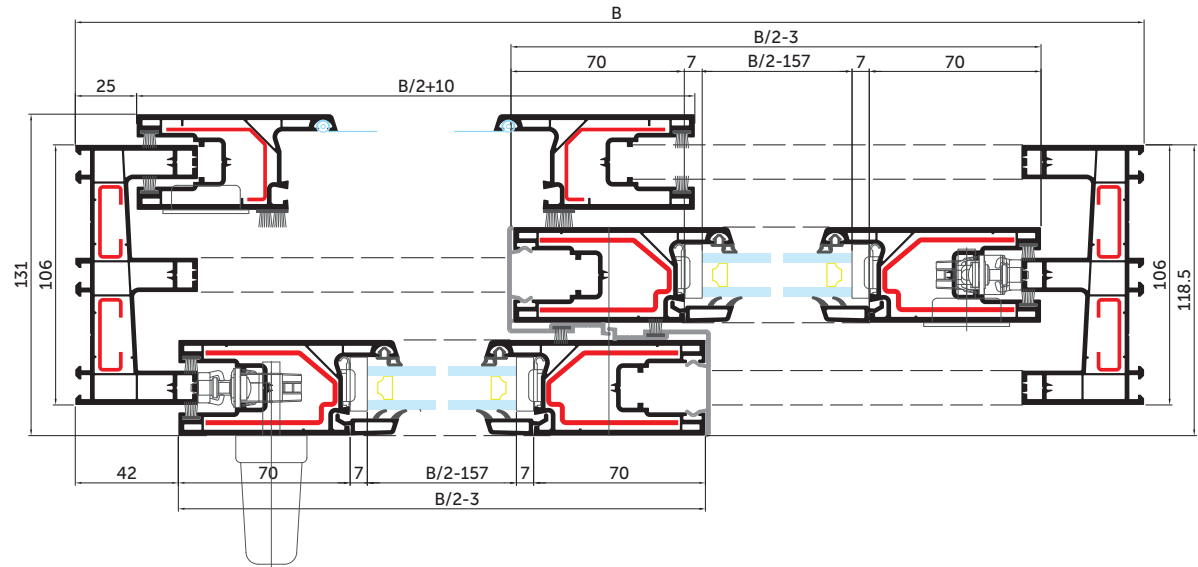
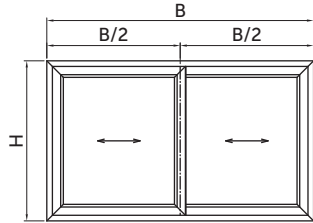


Item	Name	Angles	Size	Quantity
095	Frame SL 60/66	45 / 45	B+6	1
		45 / 90	H+3	2
R000081	Reinforcement profile 27x30x27x30 (1.5 mm)	90 / 90	B-86	1
			H-43	2
099	Sash SL 39/90	45 / 45	B/2-13	4
			H-64	4
R000090	Reinforcement profile 53x30x53 (1.5 mm)	90 / 90	B/2-163	4
			H-214	4
D000125	Brush seal at sash	45 / 45	B/2-13	8
			H-64	8
044	Glazing bead	45 / 45	B/2-159	4
			H-210	4
D000135	Double aluminum threshold	90 / 90	B-77	1
D000191	Cover profile for sash SL aluminum	90 / 90	H-74	2
D000125	Brush seal at cover profile	90 / 90	H-74	2
D000140	Gasket block			1
D000126	Brush seal for doors	90 / 90	31	4
D000119	Door roller			4
D000146	Window handle 30mm spindle			1
D000123	Window handle for SL hidden			1
K1005-XX-XXX	Espagnolette for sliding system dornmass 15 mm		FH=H-116	2
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			2
D000128	Adjustable glass wedge			8
	Glass unit		B/2-173	2
			H-224	

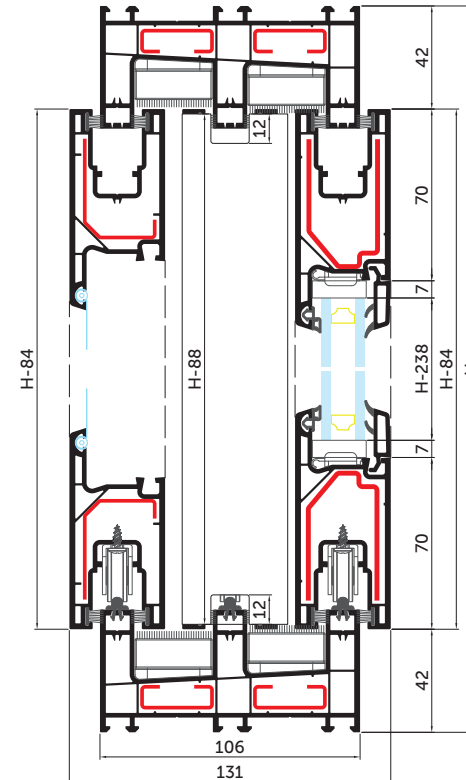
# MAIN DIMENSIONS

## Frame SL 106/50 (096) - Sash SL 39/90 (099) - Fly screen on sash SL 39/82 (098)

**Diagram 3**  
2 sliding sashes



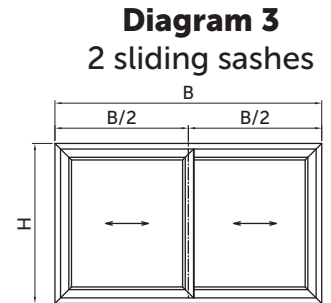
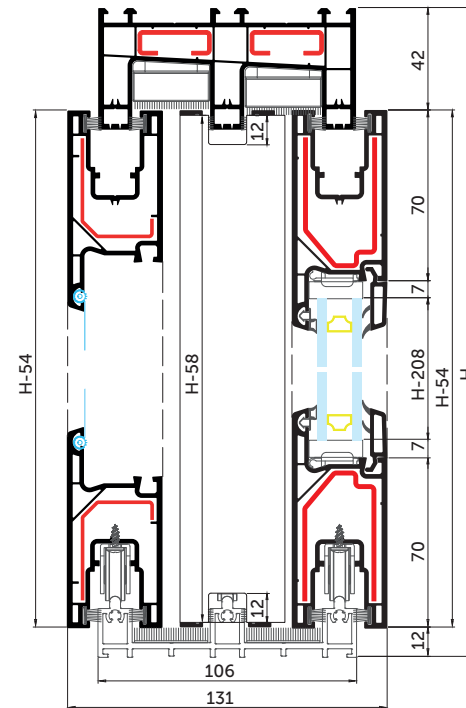
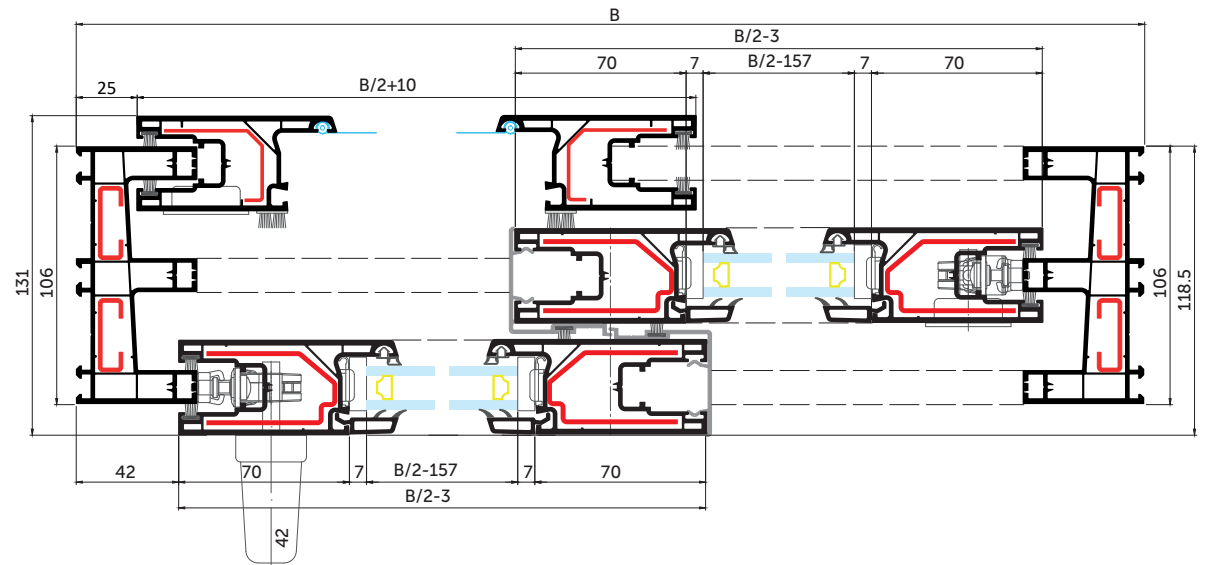
Item	Name	Angles	Size	Quantity
096	Frame SL 106/50	45 / 45	B+6	2
			H+6	2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-56	2
			H-56	2
			B/2+3	4
099	Sash SL 39/90	45 / 45	H-78	4
			B/2-147	4
R000090	Reinforcement profile 53x30x53 (1.5 mm)	90 / 90	H-228	4
			B/2+3	8
D000125	Brush seal at sash	45 / 45	H-78	8
			B/2+16	2
098	Sash SL 39/82	45 / 45	H-78	2
			B/2-110	2
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	H-204	2
			B/2+16	4
D000125	Brush seal at sash	45 / 45	H-78	4
			H-84	2
D000126	Brush seal for doors	90 / 90	H-84	2
			B/2-143	4
044	Glazing bead	45 / 45	H-224	4
			B/2+16	2
	Fly screen spline 5 mm		H-78	2
	Fly screen, m <sup>2</sup>		B*H/2	1
D000191	Cover profile for sash SL aluminum	90 / 90	H-88	2
D000125	Brush seal at cover profile	90 / 90	H-88	2
D000133	Rail aluminum	90 / 90	B-100	3
D000140	Gasket block			4
D000119	Door roller			4
D000120	Window roller			2
D000146	Window handle 30mm spindle			1
D000151	Handle for stulp SL hidden			1
D000123	Window handle for SL hidden			1
K1005-XX-XXX	Espagnolette for sliding system dornmass 15 mm		FH=H-130	2
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			2
D000128	Adjustable glass wedge			8
	Glass unit		B/2-157	2
			H-238	



# MAIN DIMENSIONS

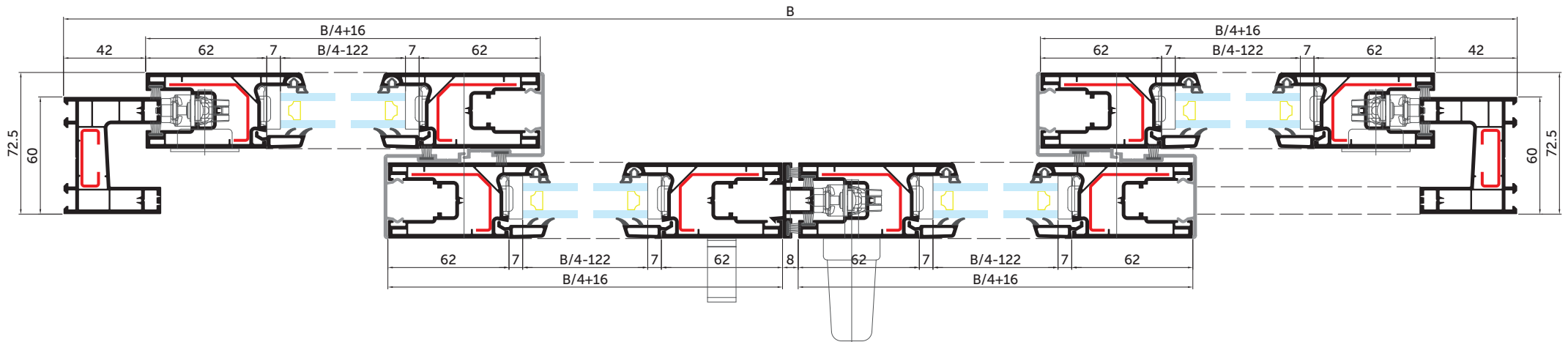
Frame SL 106/50 (096) - Popir (D000136) - Sash SL 39/90 (099) - Fly screen on sash SL 39/82 (098)

Item	Name	Angles	Size	Quantity
096	Frame SL 106/50	45 / 45 45 / 90	B+6 H+3	1 2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-56 H-28	1 2
099	Sash SL 39/90	45 / 45	B/2+3 H-48	4 4
R000090	Reinforcement profile 53x30x53 (1.5 mm)	90 / 90	B/2-147 H-198	4 4
D000125	Brush seal at sash	45 / 45	B/2+3 H-48	8 8
098	Sash SL 39/82	45 / 45	B/2+16 H-48	2 2
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	B/2-110 H-174	2 2
D000125	Brush seal at sash	45 / 45	B/2+16 H-48	4 4
D000126	Brush seal for doors	90 / 90	H-54	2
044	Glazing bead	45 / 45	B/2-143 H-194	4 4
D000136	Triple aluminum threshold	90 / 90	B-43	1
	Fly screen spline 5 mm		B/2+16	2
	Fly screen, m <sup>2</sup>		H-48	2
	Fly screen, m <sup>2</sup>		B*H/2	1
D000191	Cover profile for sash SL aluminum	90 / 90	H-88	2
D000125	Brush seal at cover profile	90 / 90	H-88	2
D000140	Gasket block			2
D000126	Brush seal for doors	90 / 90	31	8
D000119	Door roller			4
D000120	Window roller			2
D000146	Window handle 30mm spindle			1
D000151	Handle for stulp SL hidden			1
D000123	Window handle for SL hidden			1
K1005-XX-XXX	Espagnolette for sliding system dornmass 15 mm		FH=H-100	2
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			2
D000128	Adjustable glass wedge			8
	Glass unit		B/2-157 H-208	2

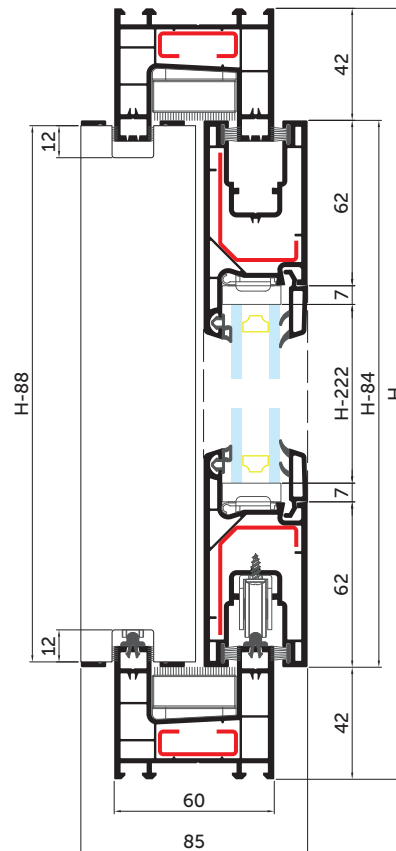


# MAIN DIMENSIONS

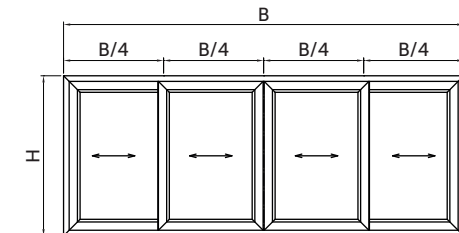
## Frame SL 60/50 (094) - Sash SL 39/82 (098)



Item	Name	Angles	Size	Quantity
094	Frame SL 60/50	45 / 45	B+6	2
			H+6	2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-52	2
			H-52	2
098	Sash SL 39/82	45 / 45	B/4+22	8
			H-78	8
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	B/4-104	8
			H-204	8
D000125	Brush seal at sash	45 / 45	B/4+22	16
			H-78	16
044	Glazing bead	45 / 45	B/4-108	8
			H-208	8
D000191	Cover profile for sash SL aluminum	90 / 90	H-88	4
D000125	Brush seal at cover profile	90 / 90	H-88	4
D000133	Rail aluminum	90 / 90	B-100	2
103	Sash adaptor SL	90 / 90	H-102	1
D000125	Brush seal at sash adaptor	90 / 90	H-102	2
D000140	Gasket block			4
D000120	Window roller			8
D000146	Window handle 30mm spindle			1
D000154	Handle for stulp SL overhead			1
D000123	Window handle for SL hidden			2
K1048-XX-XXX	Espagnolette for sliding system dornmass 7.5 mm		FH=H-130	3
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			3
D000128	Adjustable glass wedge			16
	Glass unit		B/4-122	4
			H-222	

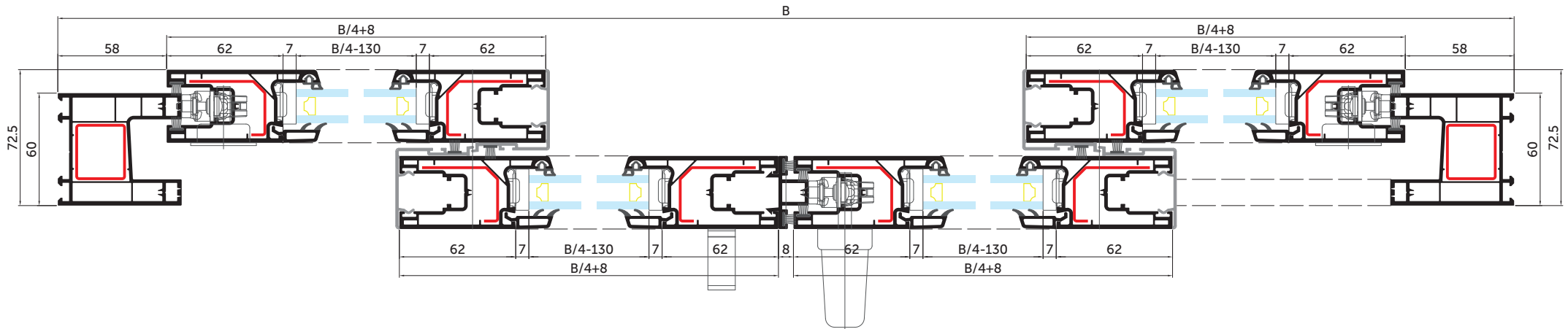


**Diagram 4**  
4 sliding sashes

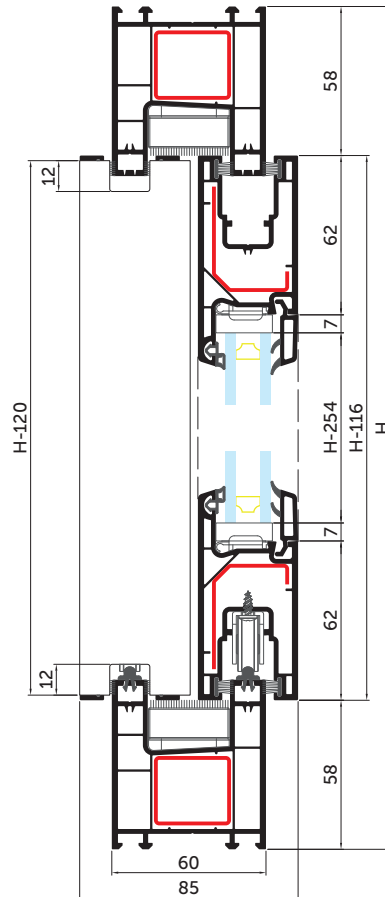


# MAIN DIMENSIONS

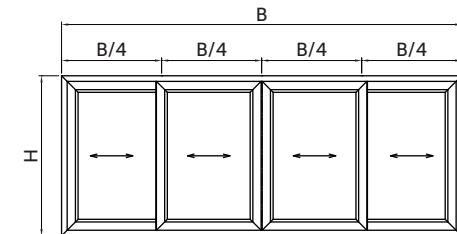
## Frame SL 60/66 (095) - Sash SL 39/82 (098)



Item	Name	Angles	Size	Quantity
095	Frame SL 60/66	45 / 45	B+6 H+6	2 2
R000081	Reinforcement profile 27x30x27x30 (1.5 mm)	90 / 90	B-86 H-86	2 2
098	Sash SL 39/82	45 / 45	B/4+14 H-110	8 8
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	B/4-112 H-236	8 8
D000125	Brush seal at sash	45 / 45	B/4+14 H-110	16 16
044	Glazing bead	45 / 45	B/4-116 H-240	8 8
D000191	Cover profile for sash SL aluminum	90 / 90	H-120	4
D000125	Brush seal at cover profile	90 / 90	H-120	4
D000133	Rail aluminum	90 / 90	B-132	2
103	Sash adaptor SL	90 / 90	H-134	1
D000125	Brush seal at sash adaptor	90 / 90	H-134	2
D000140	Gasket block			4
D000120	Window roller			8
D000146	Window handle 30mm spindle			1
D000154	Handle for stulp SL overhead			1
D000123	Window handle for SL hidden			2
K1048-XX-XXX	Espagnolette for sliding system dornmass 7.5 mm		FH=H-130	3
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			3
D000128	Adjustable glass wedge			16
	Glass unit		B/4-130 H-254	4



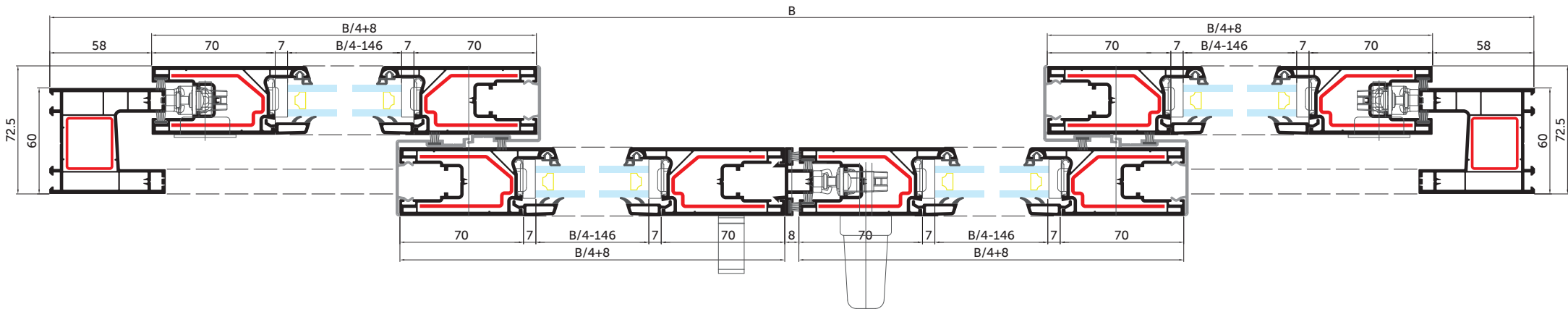
**Diagram 4**  
4 sliding sashes



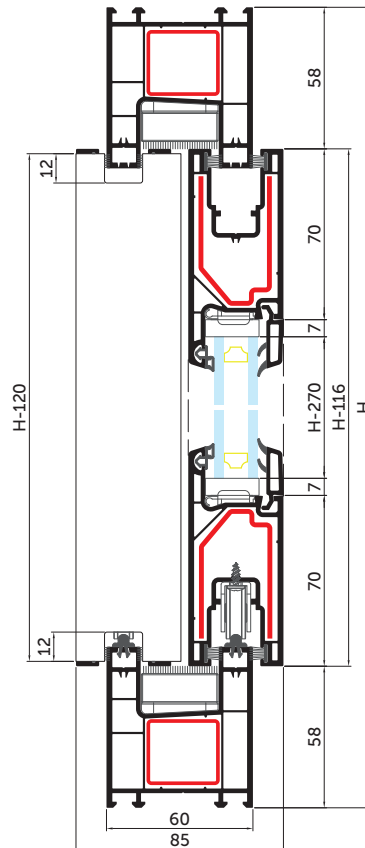


# MAIN DIMENSIONS

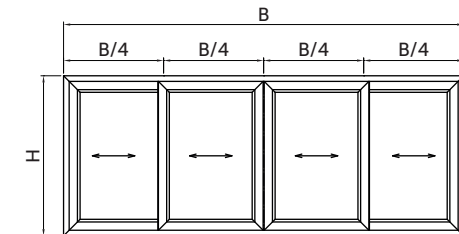
## Frame SL 60/66 (095) - Sash SL 39/90 (099)



Item	Name	Angles	Size	Quantity
095	Frame SL 60/66	45 / 45	B+6	2
			H+6	2
R000081	Reinforcement profile 27x30x27x30 (1.5 mm)	90 / 90	B-86	2
			H-86	2
			B/4+14	8
099	Sash SL 39/90	45 / 45	H-110	8
			B/4-136	8
R000090	Reinforcement profile 53x30x53 (1.5 mm)	90 / 90	H-260	8
			B/4+14	16
D000125	Brush seal at sash	45 / 45	H-110	16
			B/4-132	8
044	Glazing bead	45 / 45	H-256	8
			H-120	4
D000125	Brush seal at cover profile	90 / 90	H-120	4
D000133	Rail aluminum	90 / 90	B-132	2
103	Sash adaptor SL	90 / 90	H-134	1
D000125	Brush seal at sash adaptor	90 / 90	H-134	2
D000140	Gasket block			4
D000120	Window roller			8
D000146	Window handle 30mm spindle			1
D000154	Handle for stulp SL overhead			1
D000123	Window handle for SL hidden			2
K1005-XX-XXX	Espagnolette for sliding system dornmass 15 mm		FH=H-130	3
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			3
D000128	Adjustable glass wedge			16
	Glass unit		B/4-146	4
			H-270	

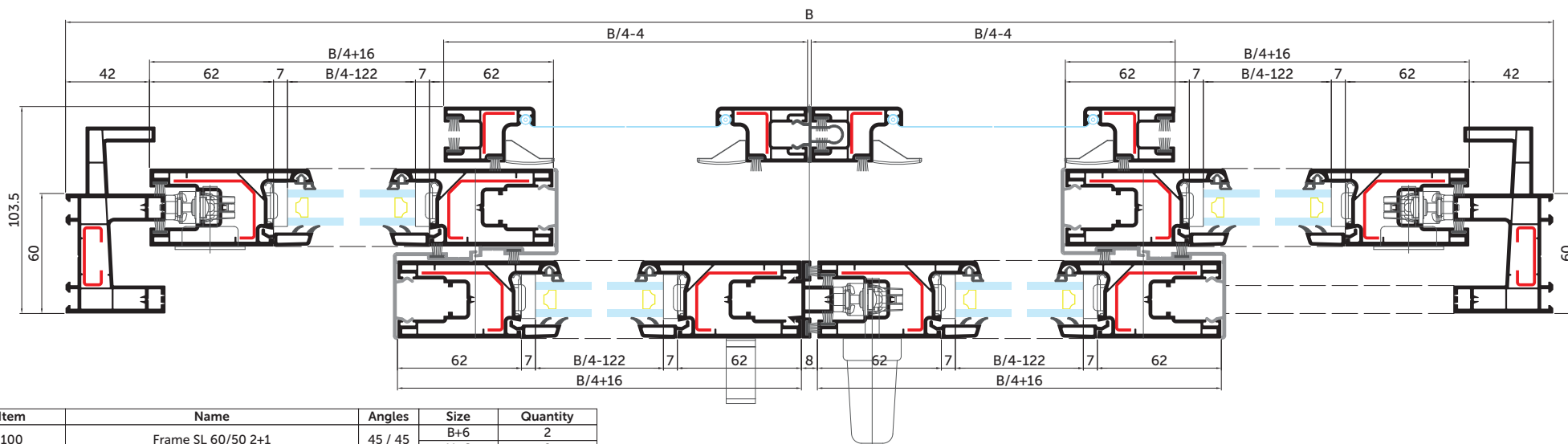


**Diagram 4**  
4 sliding sashes

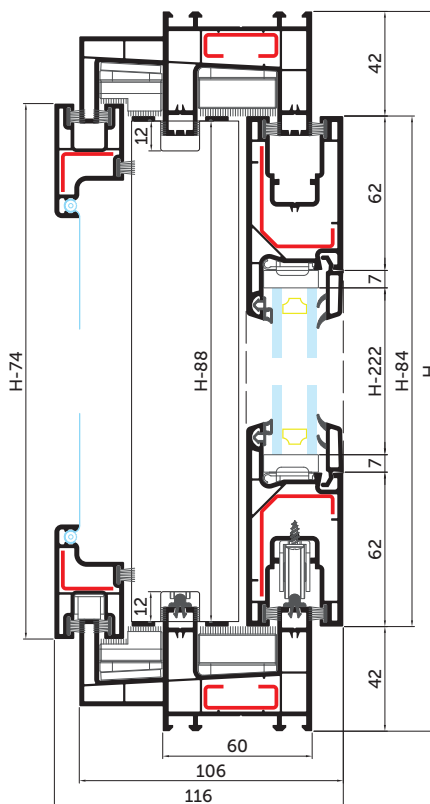


# MAIN DIMENSIONS

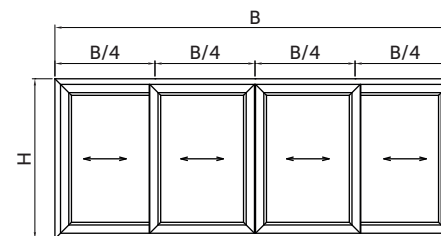
## Frame SL 60/50 2+1 (100) - Sash SL 39/82 (098) - Sash for fly screen (105)



Item	Name	Angles	Size	Quantity
100	Frame SL 60/50 2+1	45 / 45	B+6 H+6	2 2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-52 H-52	2 2
098	Sash SL 39/82	45 / 45	B/4+22 H-78	8 8
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	B/4-104 H-204	8 8
D000125	Brush seal at sash	45 / 45	B/4+22 H-78	16 16
105	Sash for fly screen	45 / 45	B/4+2 H-68	4 4
R000088	Reinforcement profile 16x21 (1.5 mm)	90 / 90	B/4-90 H-160	4 4
D000125	Brush seal at sash for fly screen	45 / 45	B/4+2 H-68	12 12
	Fly screen spline 5 mm		B/4+2 H-68	4 4
	Fly screen, m <sup>2</sup>		B*H/4	2
044	Glazing bead	45 / 45	B/4-108 H-208	8 8
D000191	Cover profile for sash SL aluminum	90 / 90	H-88	4
D000125	Brush seal at cover profile	90 / 90	H-88	4
D000133	Rail aluminum	90 / 90	B-100	2
D000134	Fly screen sash adaptor aluminum	90 / 90	H-110	1
103	Sash adaptor SL	90 / 90	H-102	1
D000125	Brush seal at sash adaptor	90 / 90	H-102	2
D000140	Gasket block			4
D000120	Window roller			8
D000121	Fly screen roller			4
D000130	Fly screen handle			4
D000146	Window handle 30mm spindle			1
D000154	Handle for stulp SL overhead			1
D000123	Window handle for SL hidden			2
K1048-XX-XXX	Espagnolette for sliding system dornmass 7.5 mm		FH=H-130	3
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			3
D000128	Adjustable glass wedge			16
	Glass unit		B/4-122 H-222	4 4

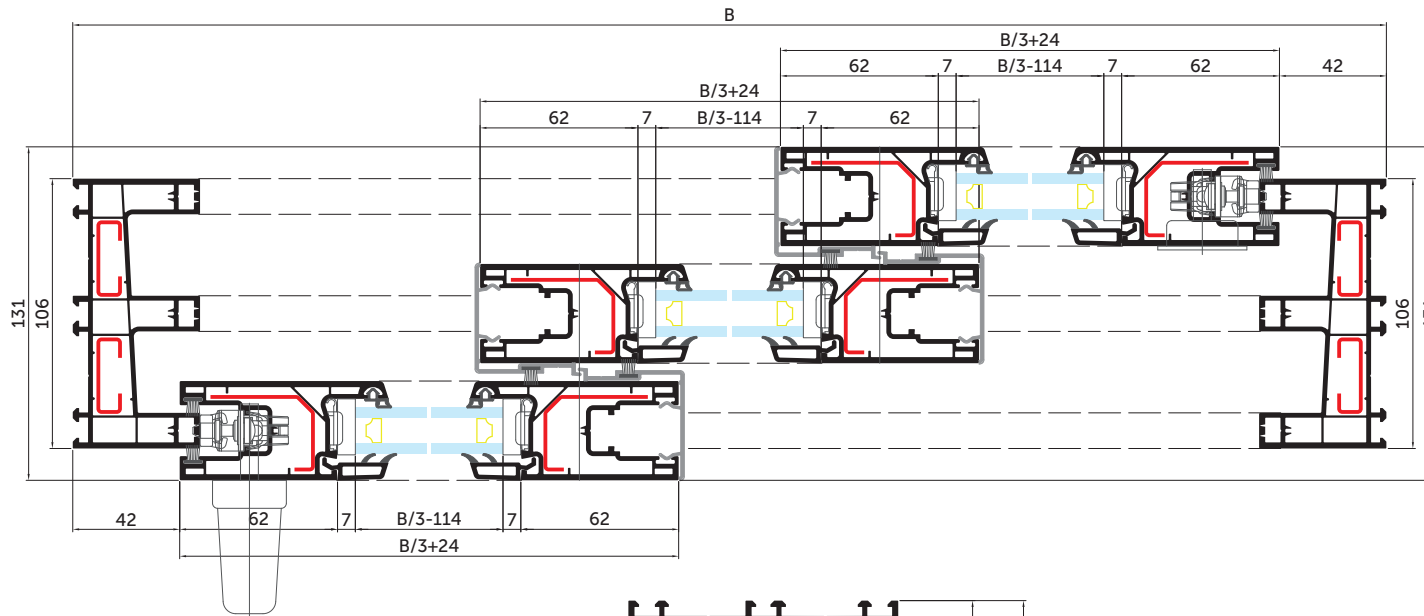


**Diagram 4**  
4 sliding sashes

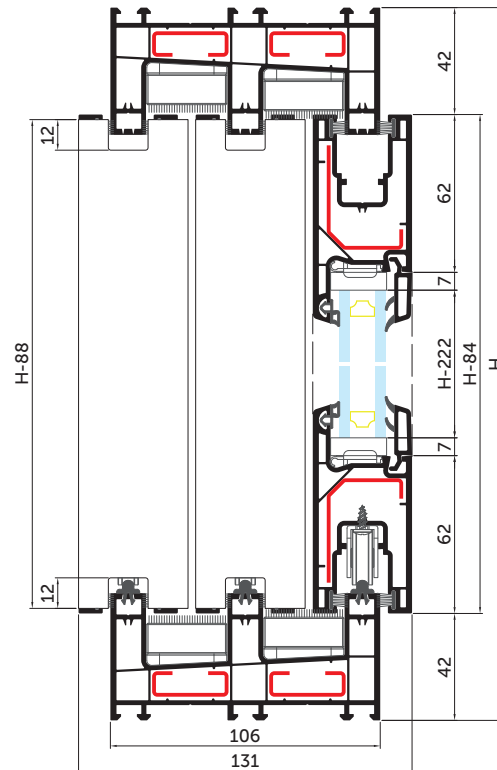


# MAIN DIMENSIONS

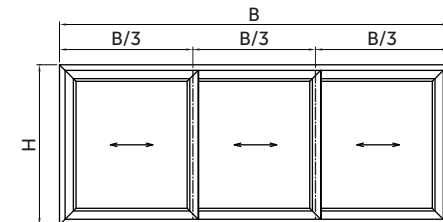
## Frame SL 106/50 (096) - Sash SL 39/82 (098)



Item	Name	Angles	Size	Quantity
096	Frame SL 106/50	45 / 45	B+6	2
			H+6	2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-56	2
			H-56	2
			B/3+30	6
098	Sash SL 39/82	45 / 45	H-78	6
			B/3-96	6
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	H-204	6
			B/3+30	12
D000125	Brush seal at sash	45 / 45	H-78	12
			B/3-100	6
044	Glazing bead	45 / 45	H-208	6
			B-100	3
D000191	Cover profile for sash SL aluminum	90 / 90	H-88	4
D000125	Brush seal at cover profile	90 / 90	H-88	4
D000133	Rail aluminum	90 / 90	B-100	4
D000140	Gasket block			6
D000120	Window roller			1
D000146	Window handle 30mm spindle			1
D000123	Window handle for SL hidden			1
K1048-XX-XXX	Espagnolette for sliding system dornmass 7.5 mm		FH=H-162	2
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			2
D000128	Adjustable glass wedge			12
	Glass unit		B/3-114	3
			H-222	

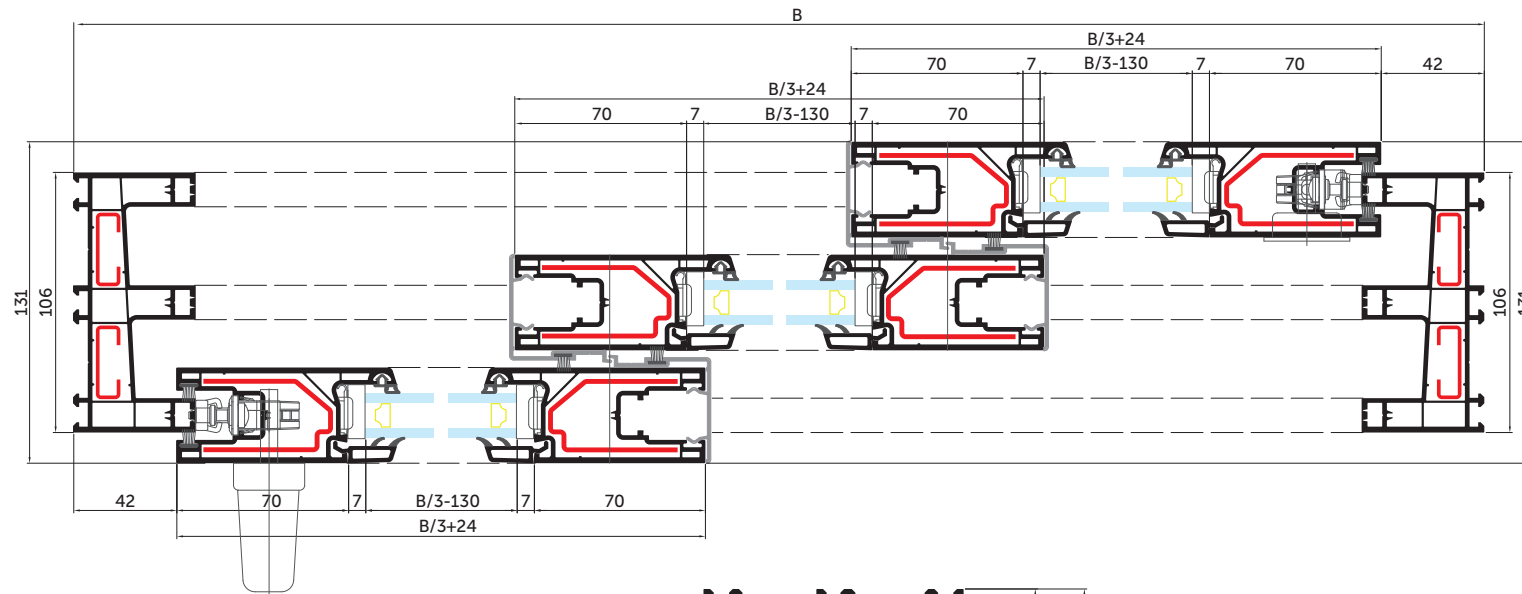


**Diagram 5**  
3 sliding sashes

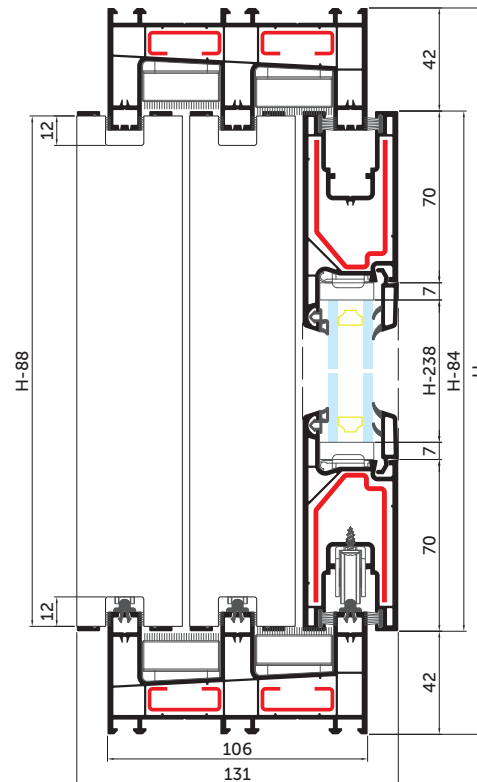


# MAIN DIMENSIONS

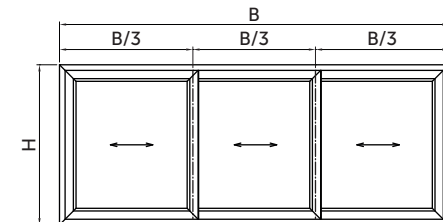
## Frame SL 106/50 (096) - Sash SL 39/90 (099)



Item	Name	Angles	Size	Quantity
096	Frame SL 106/50	45 / 45	B+6	2
			H+6	2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-56	2
			H-56	2
099	Sash SL 39/90	45 / 45	B/3+30	6
			H-78	6
R000090	Reinforcement profile 53x30x53 (1.5 mm)	90 / 90	B/3-120	6
			H-228	6
D000125	Brush seal at sash	45 / 45	B/3+30	12
			H-78	12
044	Glazing bead	45 / 45	B/3-116	6
			H-224	6
D000191	Cover profile for sash SL aluminum	90 / 90	H-88	4
D000125	Brush seal at cover profile	90 / 90	H-88	4
D000133	Rail aluminum	90 / 90	B-100	3
D000140	Gasket block			4
D000119	Door roller			6
D000146	Window handle 30mm spindle			1
D000123	Window handle for SL hidden			1
K1005-XX-XXX	Espagnolette for sliding system dornmass 15 mm		FH=H-130	2
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			2
D000128	Adjustable glass wedge			12
	Glass unit		B/3-130	3
			H-238	

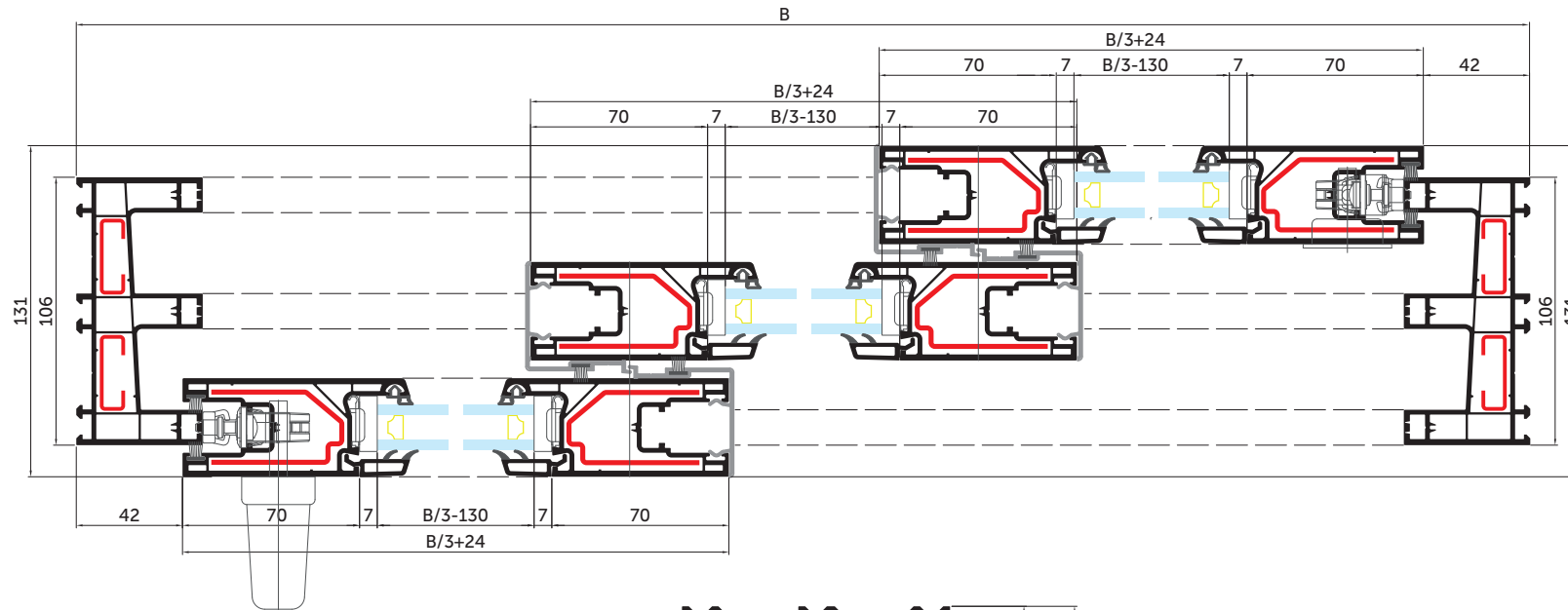


**Diagram 5**  
3 sliding sashes

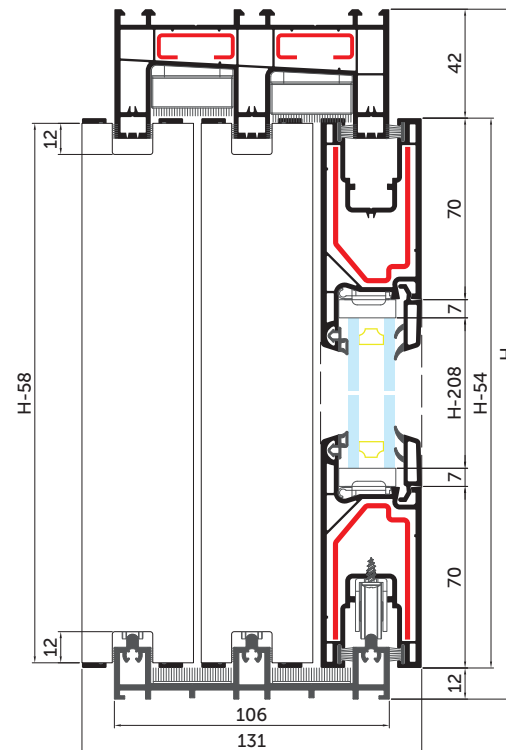


# MAIN DIMENSIONS

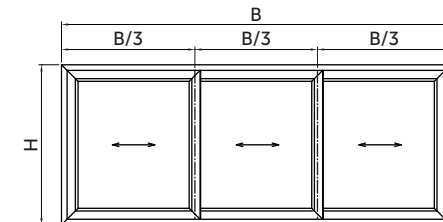
## Frame SL 106/50 (096) - Sash SL 39/90 (099) - Triple aluminum threshold (D000136)



Item	Name	Angles	Size	Quantity
096	Frame SL 106/50	45 / 45 45 / 90	B+6 H+3	1 2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-56 H-28	1 2
099	Sash SL 39/90	45 / 45	B/3+30 H-48	6 6
R000090	Reinforcement profile 53x30x53 (1.5 mm)	90 / 90	B/3-120 H-198	6 6
D000125	Brush seal at sash	45 / 45	B/3+30 H-48	12 12
044	Glazing bead	45 / 45	B/3-116 H-194	6 6
D000136	Triple aluminum threshold	90 / 90	B-43	1
D000191	Cover profile for sash SL aluminum	90 / 90	H-58	4
D000125	Brush seal at cover profile	90 / 90	H-58	4
D000140	Gasket block			2
D000126	Brush seal at gasket block	90 / 90	31	8
D000119	Door roller			6
D000146	Window handle 30mm spindle			1
D000123	Window handle for SL hidden			1
K1005-XX-XXX	Espagnolette for sliding system dornmass 15 mm		FH=H-100	2
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			2
D000128	Adjustable glass wedge			12
	Glass unit		B/3-130 H-208	3

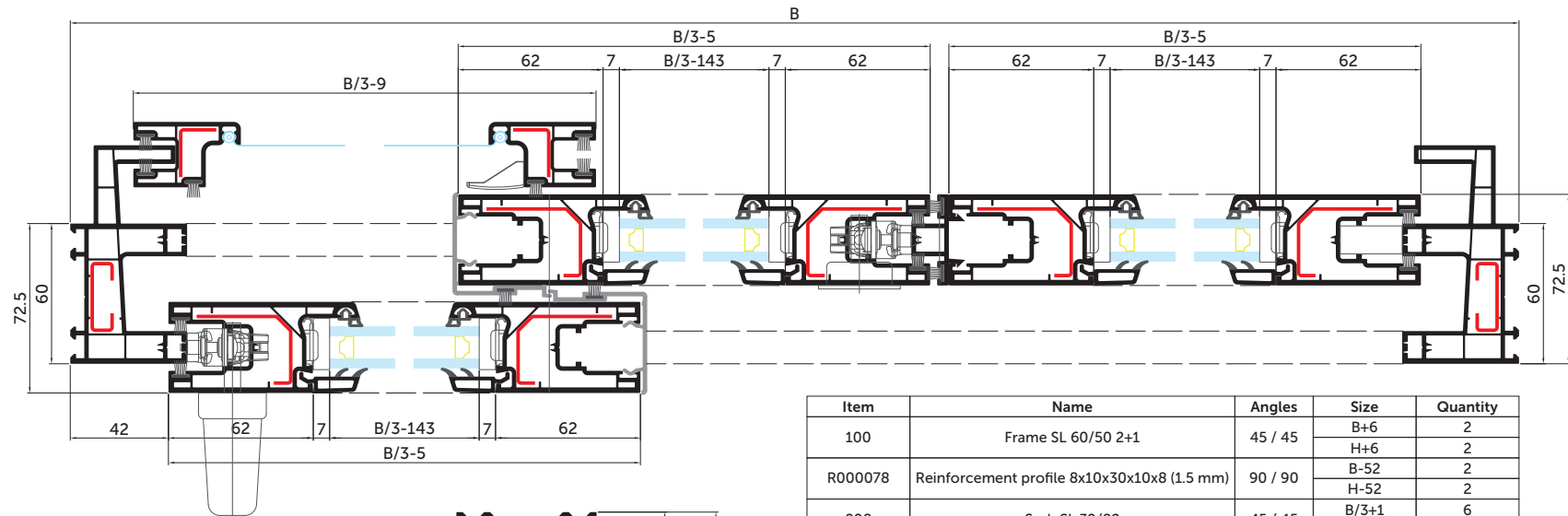


**Diagram 5**  
3 sliding sashes

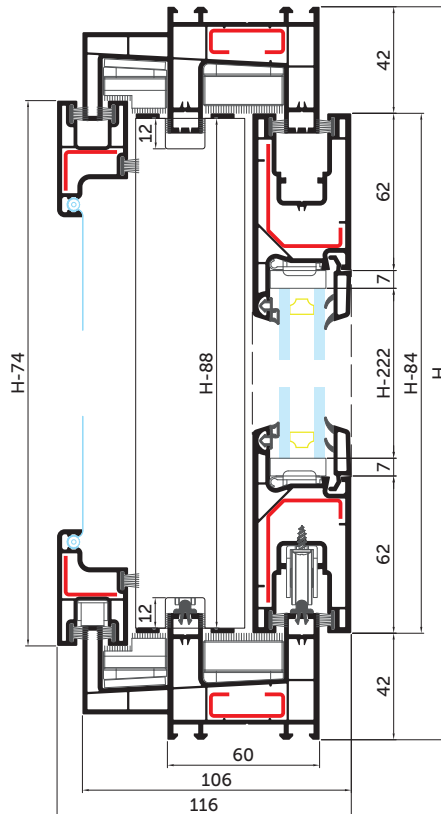
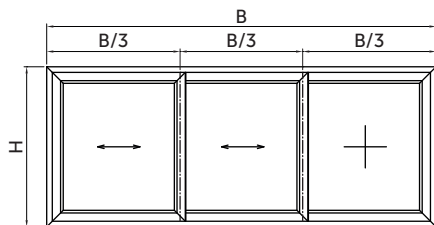


# MAIN DIMENSIONS

## Frame SL 60/50 2+1 (100) - Sash SL 39/82 (098) - Sash for fly screen (105)



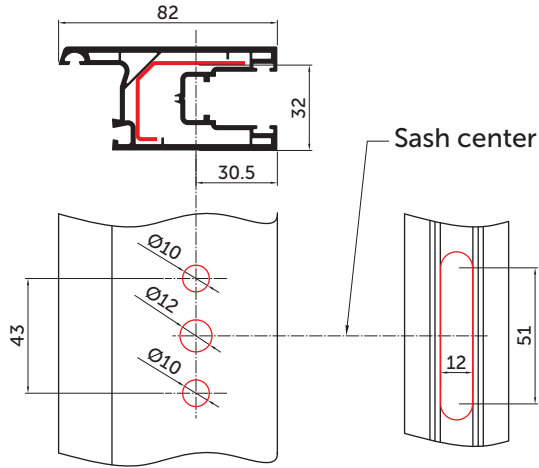
**Diagram 6**  
2 sliding sashes, 1 fixed pane



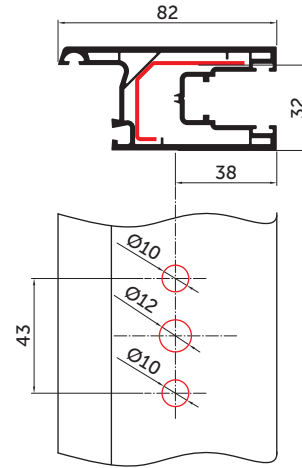
Item	Name	Angles	Size	Quantity
100	Frame SL 60/50 2+1	45 / 45	B+6 H+6	2 2
R000078	Reinforcement profile 8x10x30x10x8 (1.5 mm)	90 / 90	B-52 H-52	2 2
098	Sash SL 39/82	45 / 45	B/3+1 H-78	6 6
R000083	Reinforcement profile 41x30x8 (1.5 mm)	90 / 90	B/3-125 H-204	6 6
D000125	Brush seal at sash	45 / 45	B/3+1 H-78	12 12
105	Sash for fly screen	45 / 45	B/3-3 H-68	2 2
R000088	Reinforcement profile 16x21 (1.5 mm)	90 / 90	B/3-95 H-160	2 2
D000125	Brush seal at sash for fly screen	45 / 45	B/3-11 H-68	6 6
	Fly screen spline 5 mm		B/3-11 H-68	2 2
	Fly screen, m <sup>2</sup>		B*H/3	1
044	Glazing bead	45 / 45	B/3-129 H-208	4 4
D000191	Cover profile for sash SL aluminum	90 / 90	H-88	2
D000125	Brush seal at cover profile	90 / 90	H-88	2
D000133	Rail aluminum	90 / 90	B-100	2
103	Sash adaptor SL	90 / 90	H-102	1
D000125	Brush seal at sash adaptor	90 / 90	H-102	2
D000140	Gasket block			2
D000120	Window roller			4
D000121	Fly screen roller			2
D000130	Fly screen handle			2
D000146	Window handle 30mm spindle			1
D000123	Window handle for SL hidden			1
K1048-XX-XXX	Espagnolette for sliding system dornmass 7.5 mm		FH=H-130	2
D000145	Striking plate			from the height
D000132	Centering plate (A7109-00-N03)			2
D000128	Adjustable glass wedge			12
D000139	Spacer		B/3-143	6
	Glass unit		H-222	3

# HOLES IN THE SASH FOR ESPAGNOLETTE AND HANDLE

Holes for dornmass  
7.5 mm

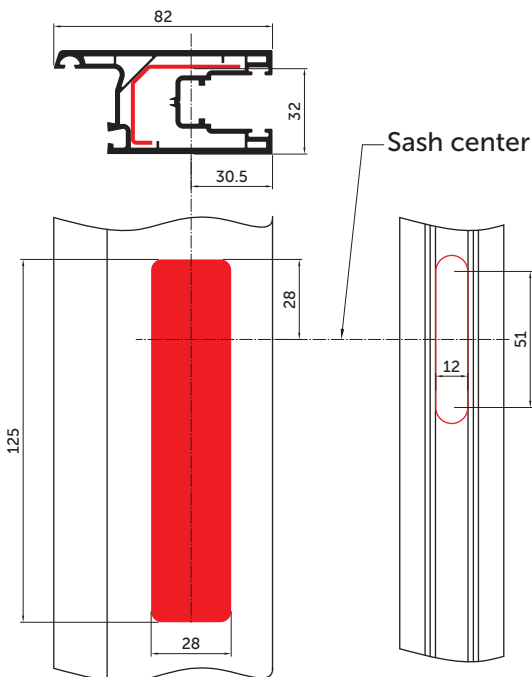


Holes for dornmass  
15 mm

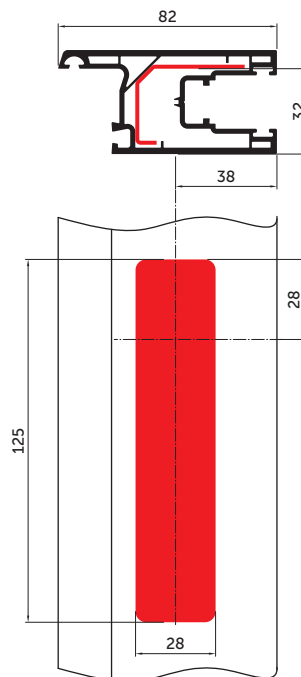


# HOLES IN THE SASH FOR HIDDEN HANDLE

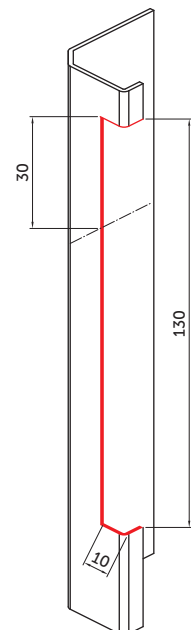
Holes for dornmass  
7.5 mm



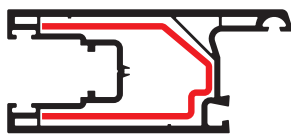
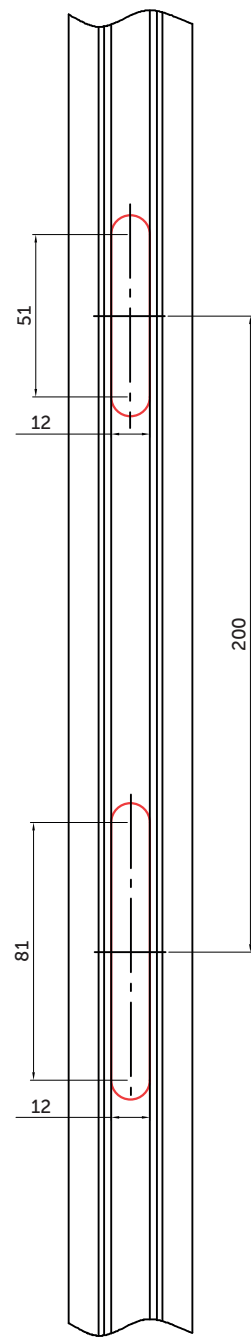
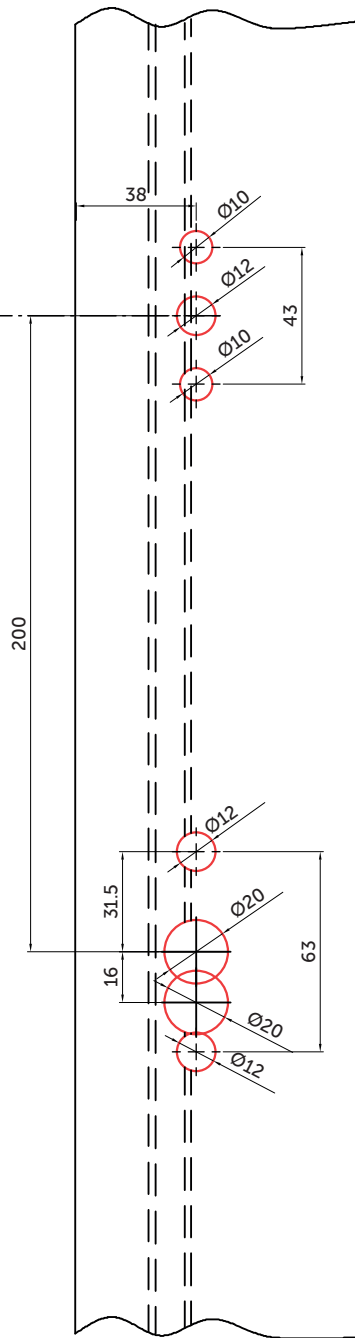
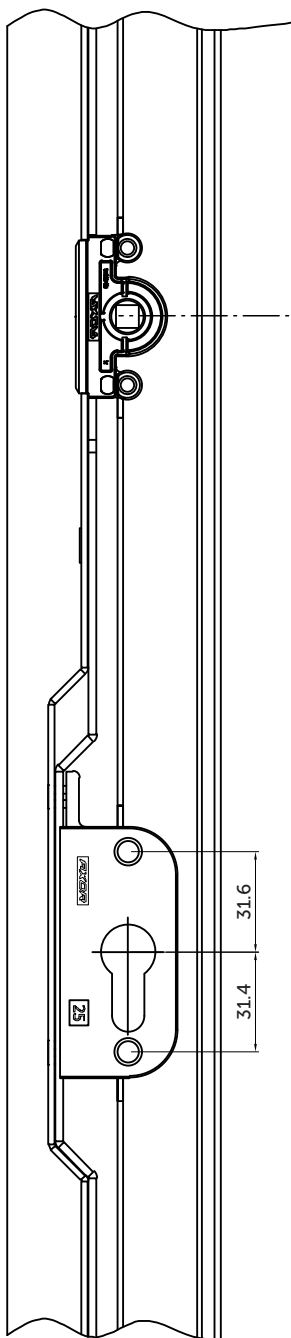
Holes for dornmass  
15 mm



Cutout in reinforcement  
for dornmass 15 mm



# INSTALLATION OF DOOR ESPAGNOLETTE



Item N°

Length, mm

**K1074-20-N03**

**2000**

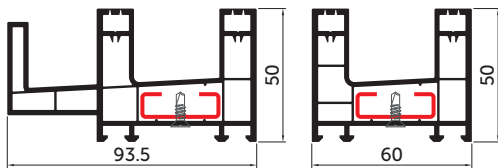
**K1074-22-N03**

**2200**

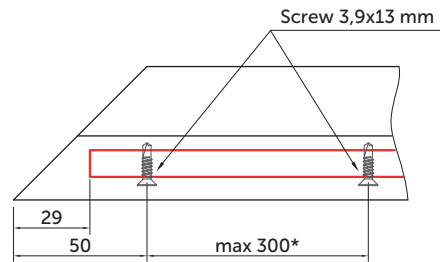
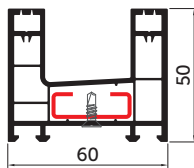


# CUTTING OF REINFORCEMENT

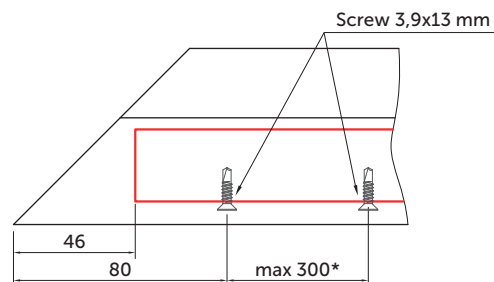
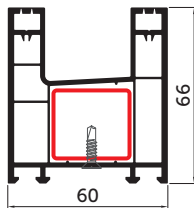
Frame SL 60/50 2+1  
**100**



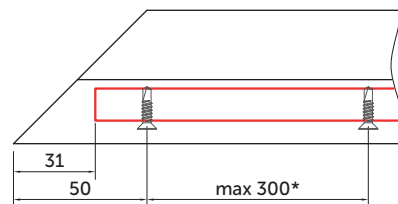
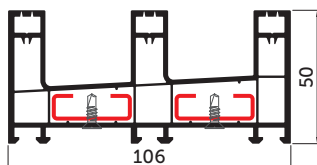
Frame SL 60/50  
**094**



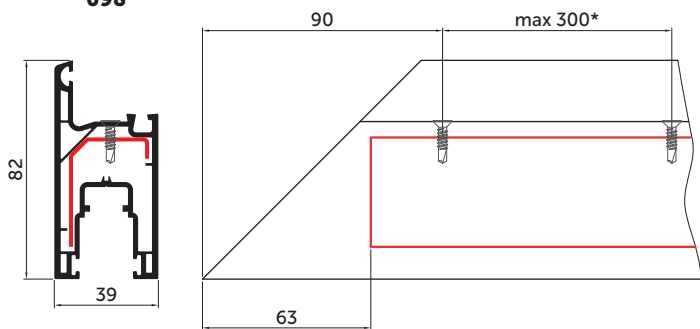
Frame SL 60/66  
**095**



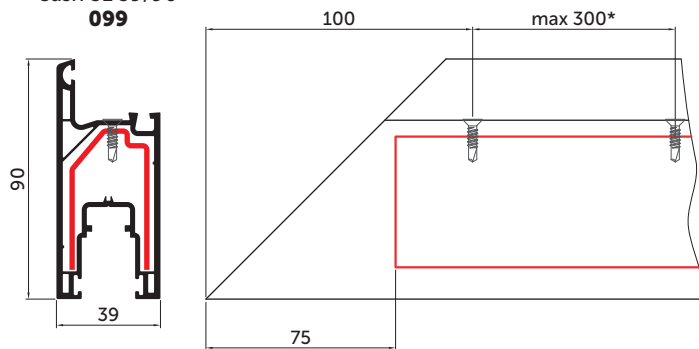
Frame SL 106/50  
**096**



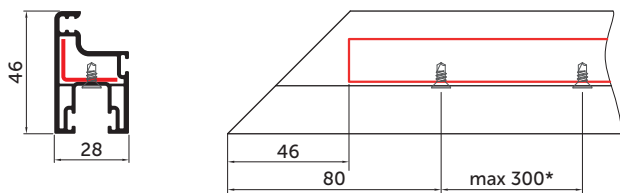
Sash SL 39/82  
**098**



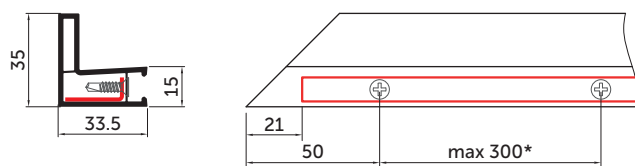
Sash SL 39/90  
**099**



Sash for fly screen  
**105**



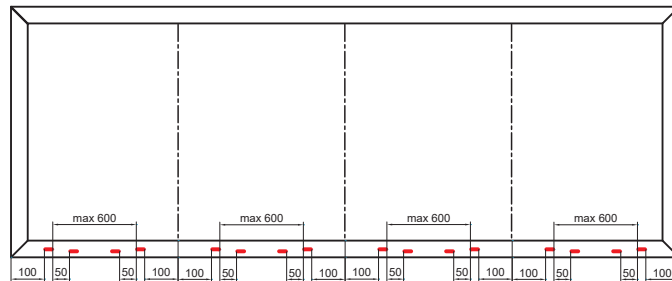
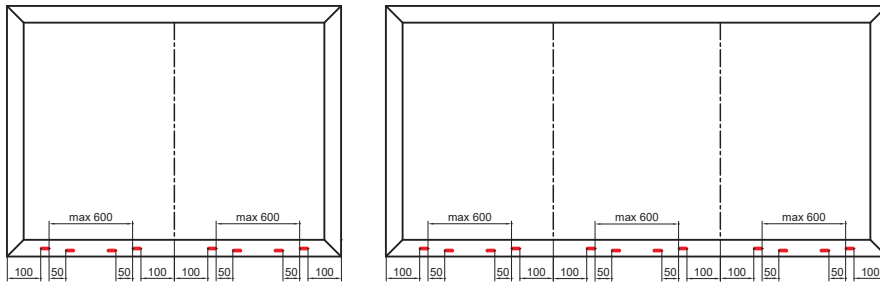
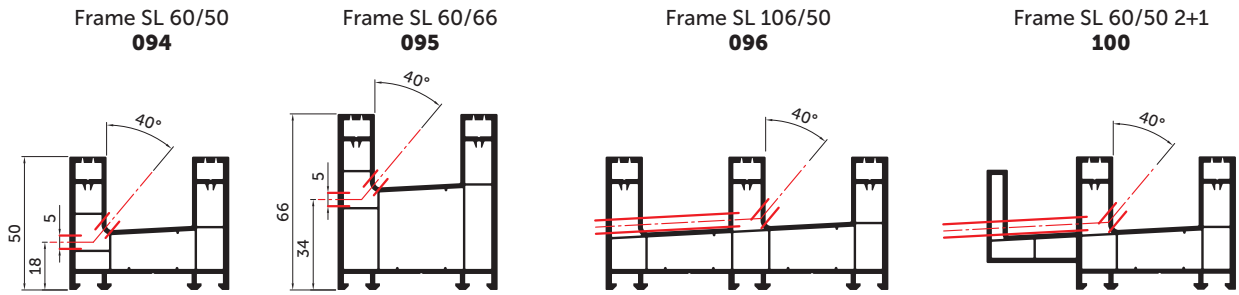
Frame for fly screen  
**106**



\* in the colored profile, distance between the screws is  $\leq 250$  mm

\*\* in the colored profile, it is necessary to use reinforcing profile with wall thickness at least 1.5 mm

## Water drainage holes in frame

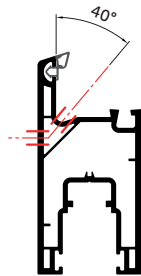


## Water drainage holes

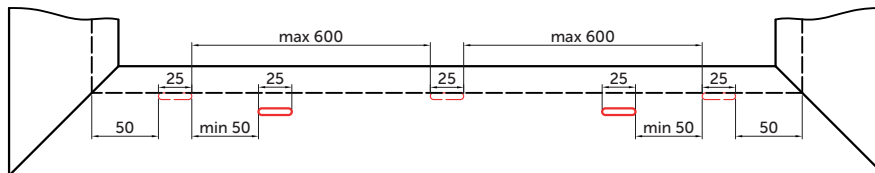
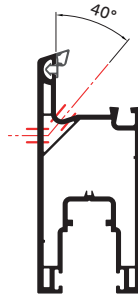


## Water drainage holes in sash

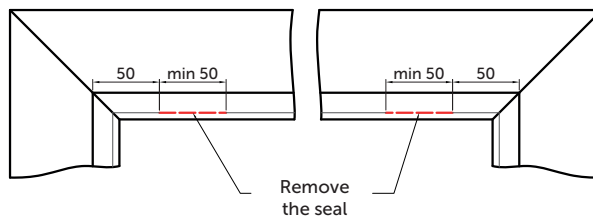
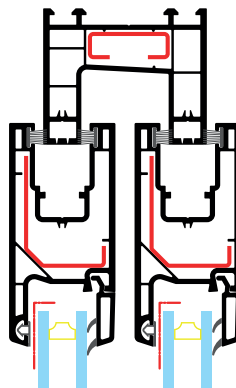
Sash SL 39/82  
**098**



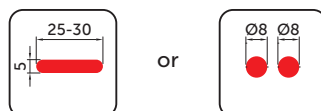
Sash SL 39/90  
**099**



## Ventilation in sash

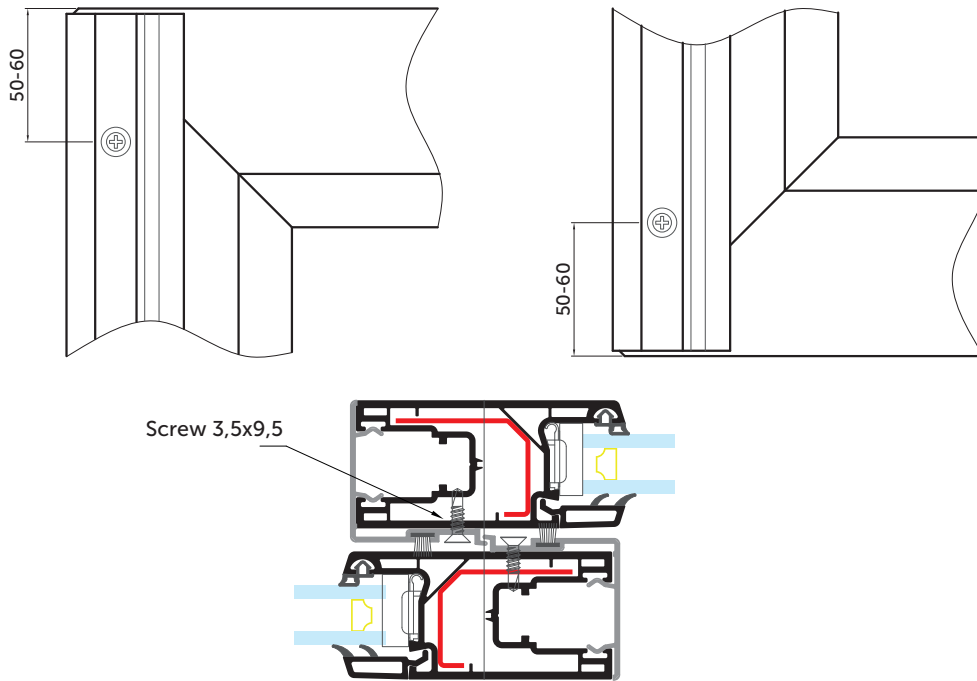


## Water drainage holes

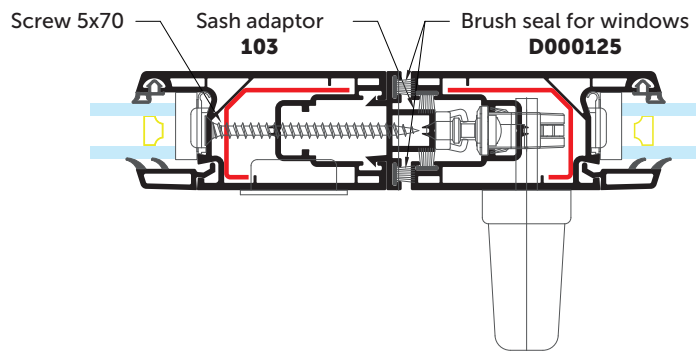


# CONNECTION OF THE COVER PROFILE FOR SASH

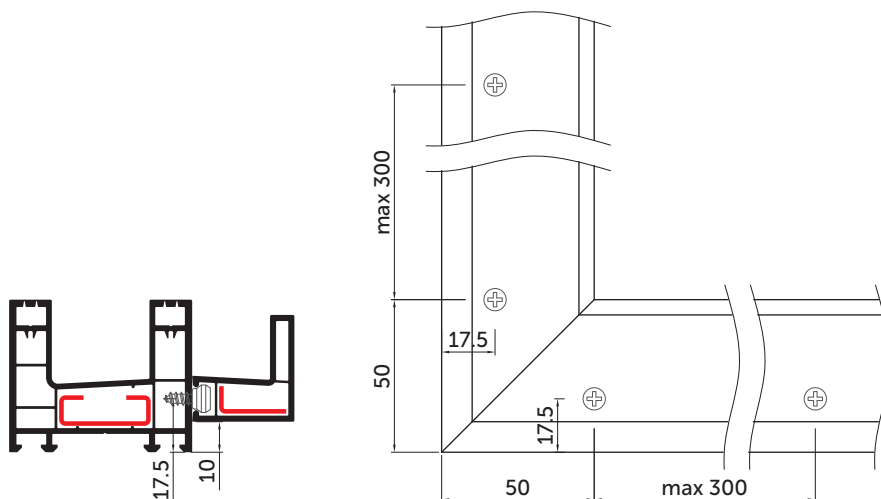
Cover profiles should be fixed to the sash with screws. Distance from the sash butt to the end screws is 50-60 mm, distance between the screws is 400-450 mm



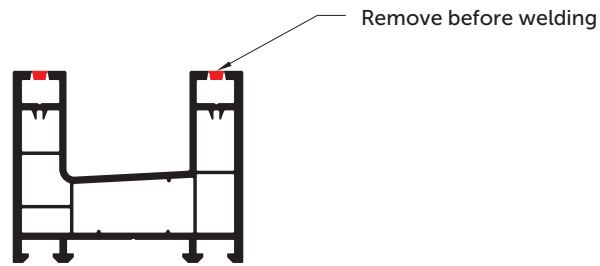
# CONNECTION OF THE SASH ADAPTOR



# CONNECTION OF THE FRAME FOR FLY SCREEN



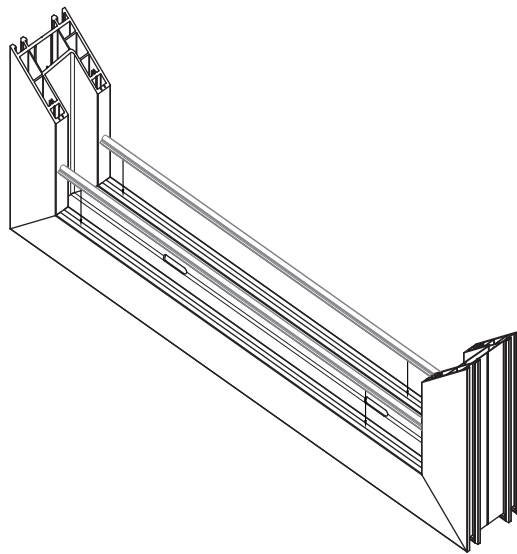
# INSTALLATION OF ALUMINUM GUIDES IN THE FRAME



In the lower part of the frame, before welding, it is necessary to remove the plastic in the wing to install the aluminum guides (the part to be removed is highlighted in red). Remove by hooking with a thin solid object (such as a screwdriver) from the bottom and squeezing up. Then pull up.

Cut the aluminum guides and drive them into the frame with a soft hammer.

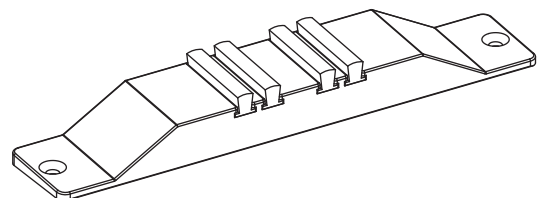
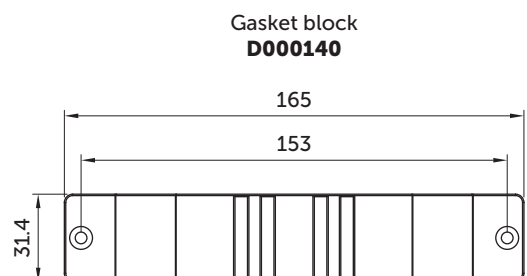
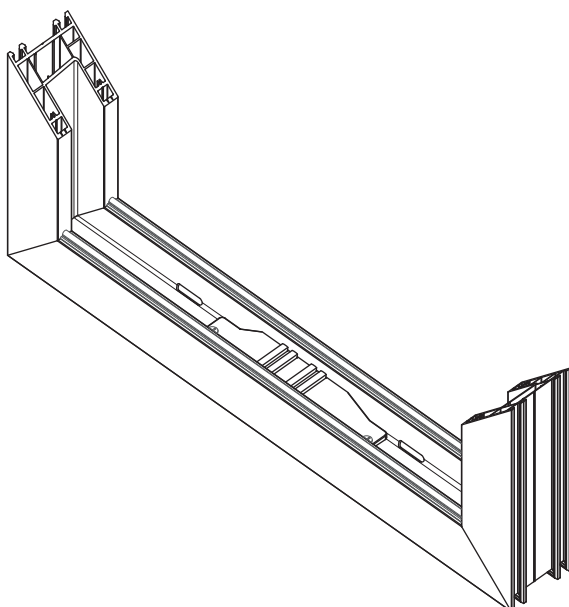
The length of the cut is equal to the width of the structure minus two heights of the frame.



# INSTALLATION OF THE GASKET BLOCK

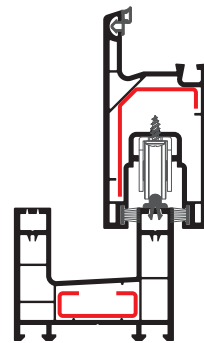
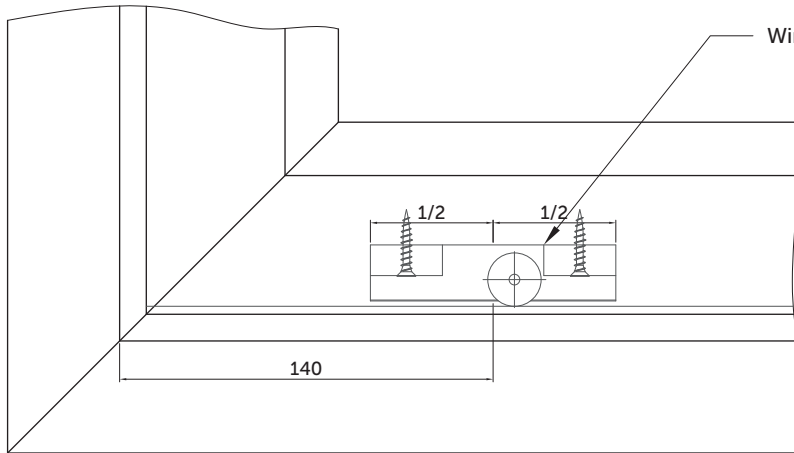
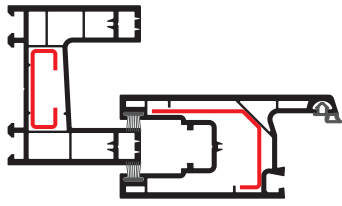
In the top and bottom part of a frame, it is necessary to install elements protecting from the ingress of water and dust indoors.

The elements are installed strictly in the center of the frame. Pre-installed in it are 4 pieces of brush seal D000125, length 31 mm.

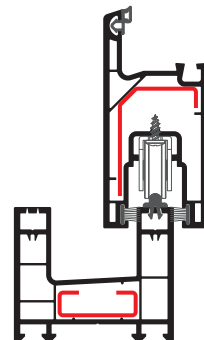
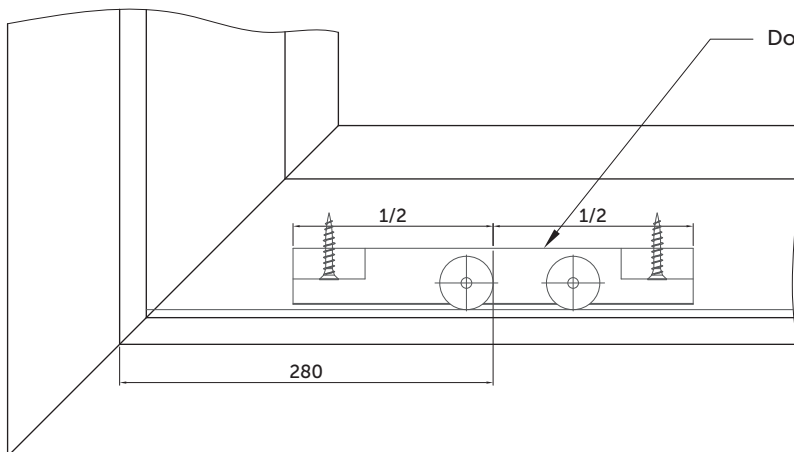
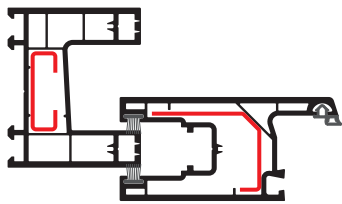


# INSTALLATION OF ACCESSORIES

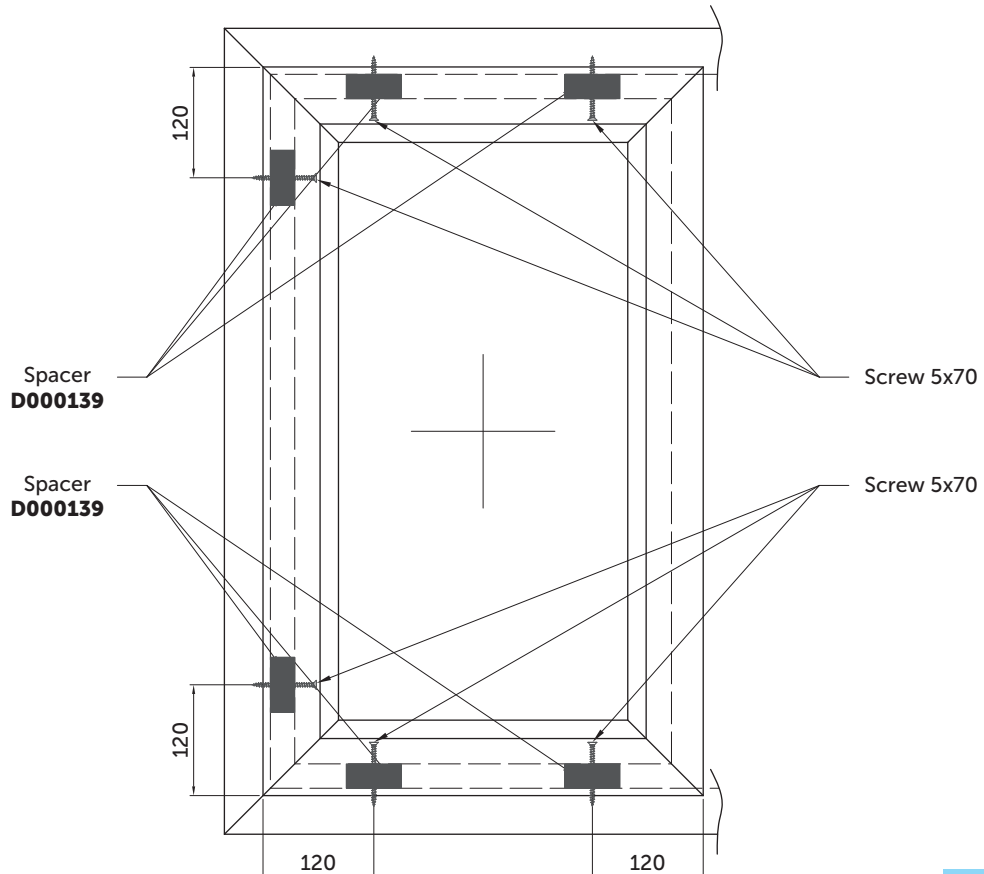
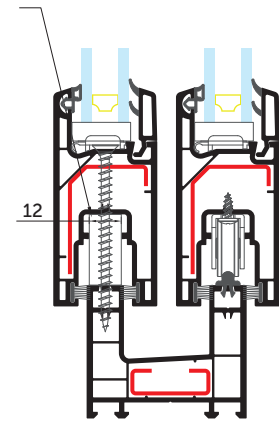
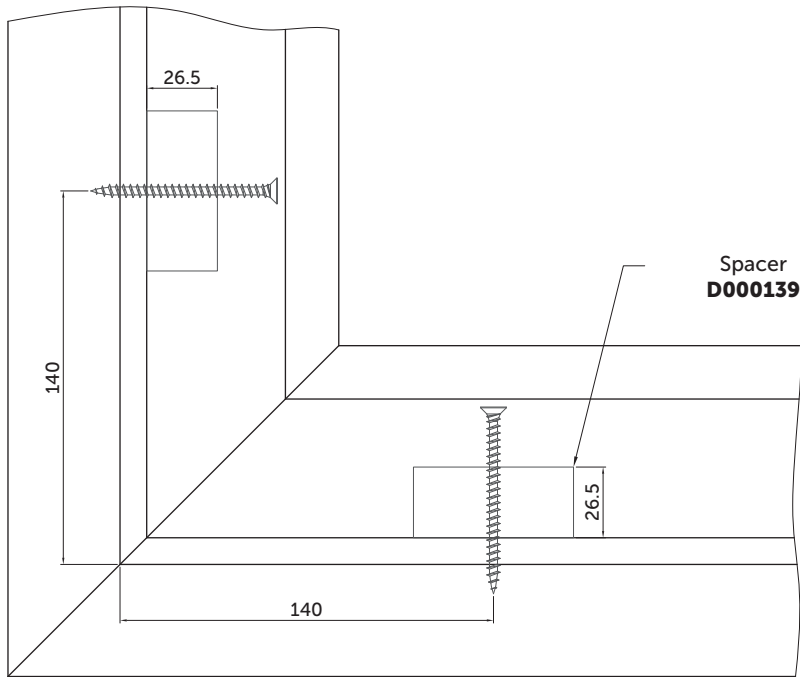
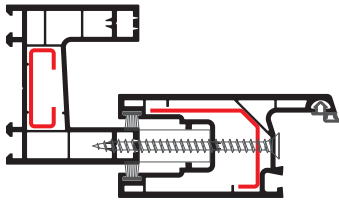
Sash weight up to 40 kg



Sash weight up to 80 kg



# INSTALLATION OF SPACERS



# INSTALLATION OF THRESHOLDS

