weiss profil

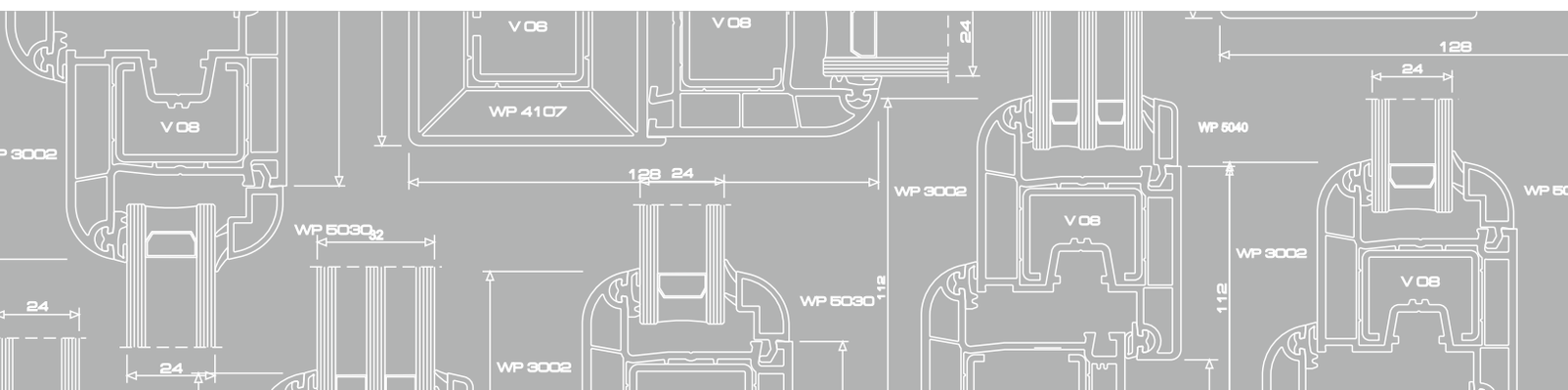
ENERGY WP 5000

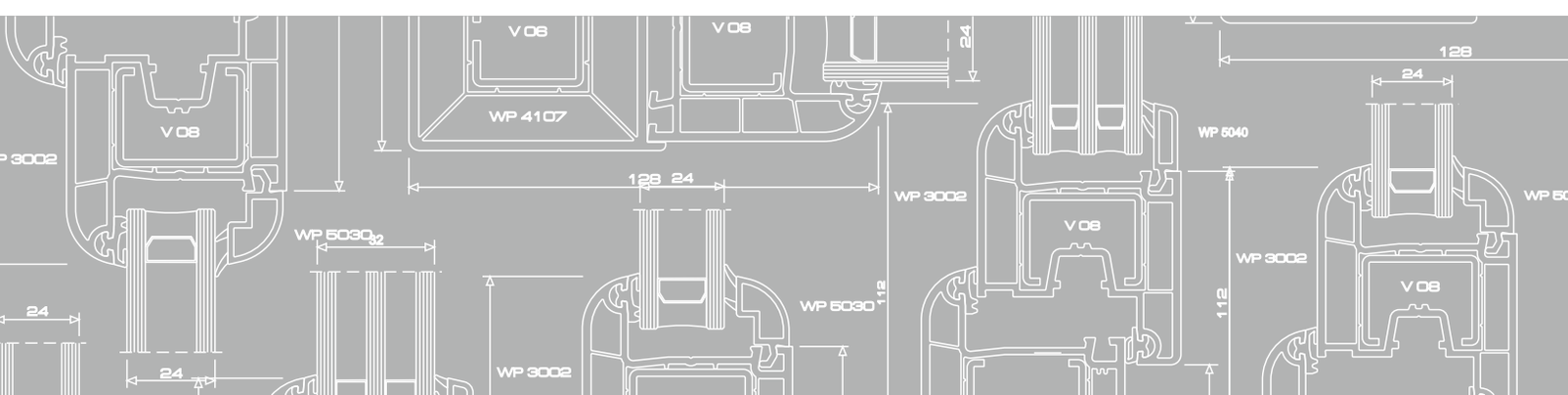
TECHNICAL CATALOGUE

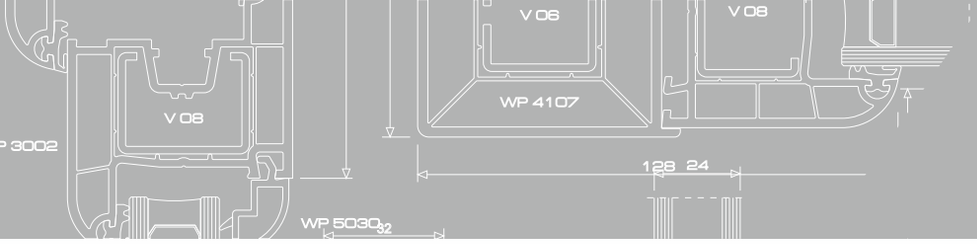
Contents

TECHNICAL CATALOGUE
PVC SYSTEM

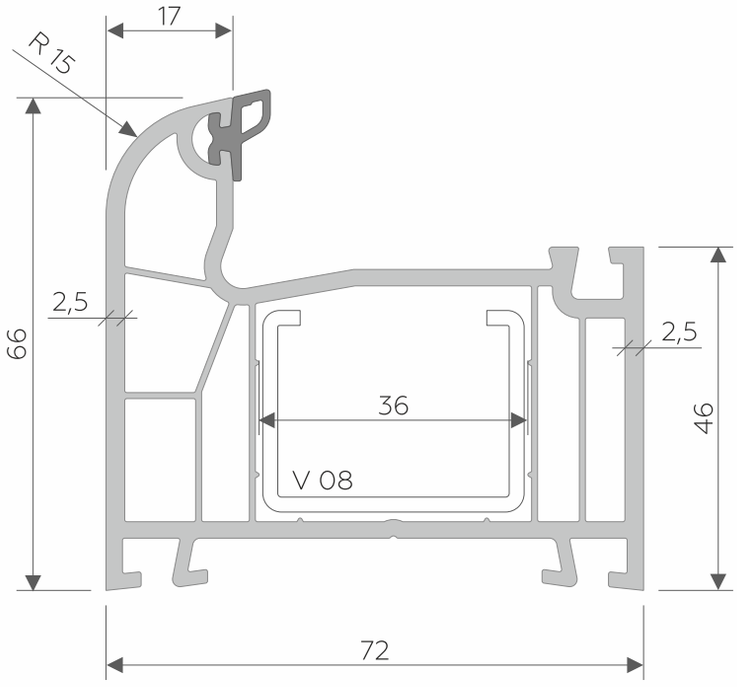
ENERGY WP 5000




V 08
V 08
WP 4107
24
128
24
WP 5040
WP 3002
V 08
WP 5030
82
WP 3002
WP 5030
112
WP 3002
112
V 08
24
24
WP 3002

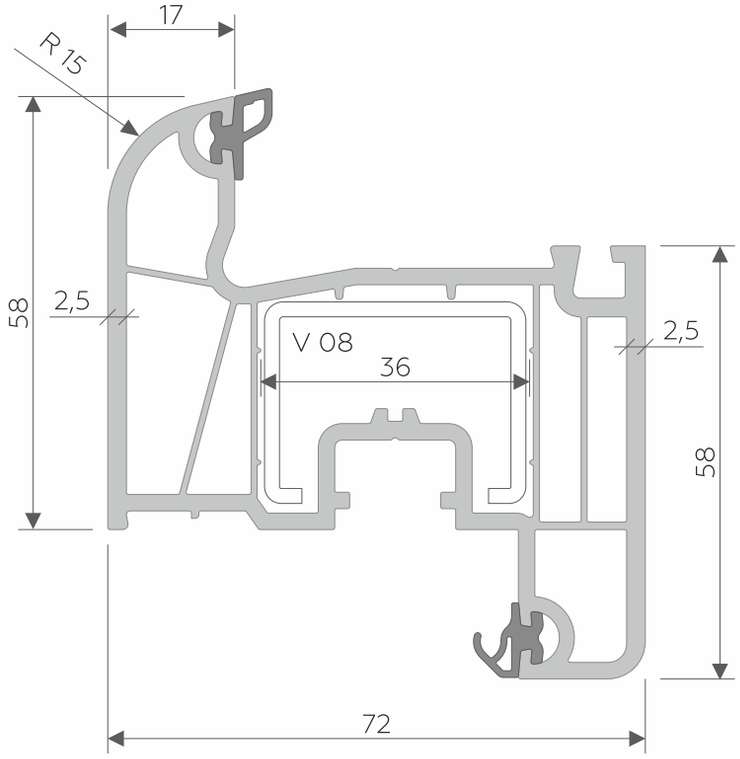


ENERGY WP 5000



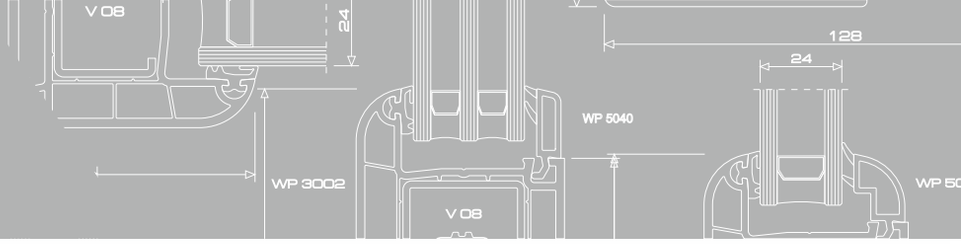
Frame profile

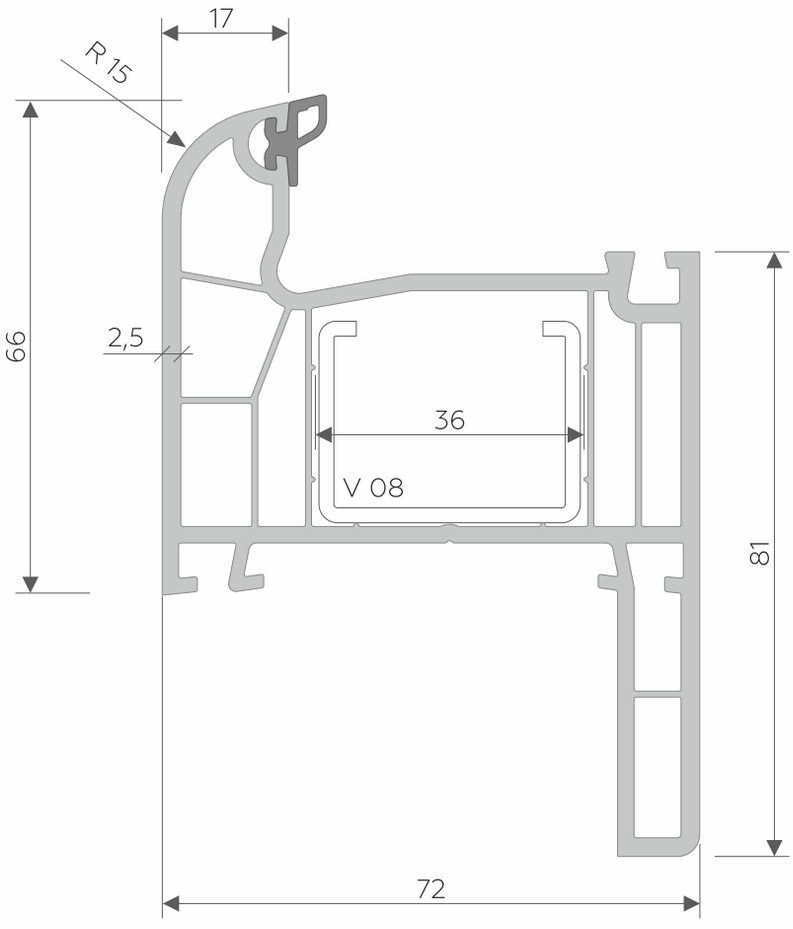
WP 5001
ENERGY



Sash profile

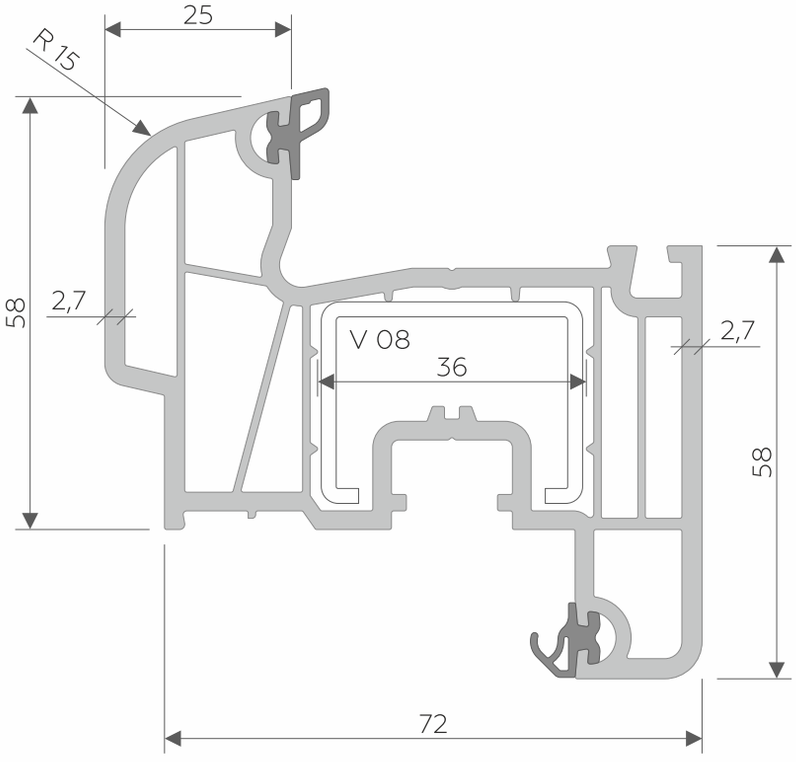
WP 5002
ENERGY





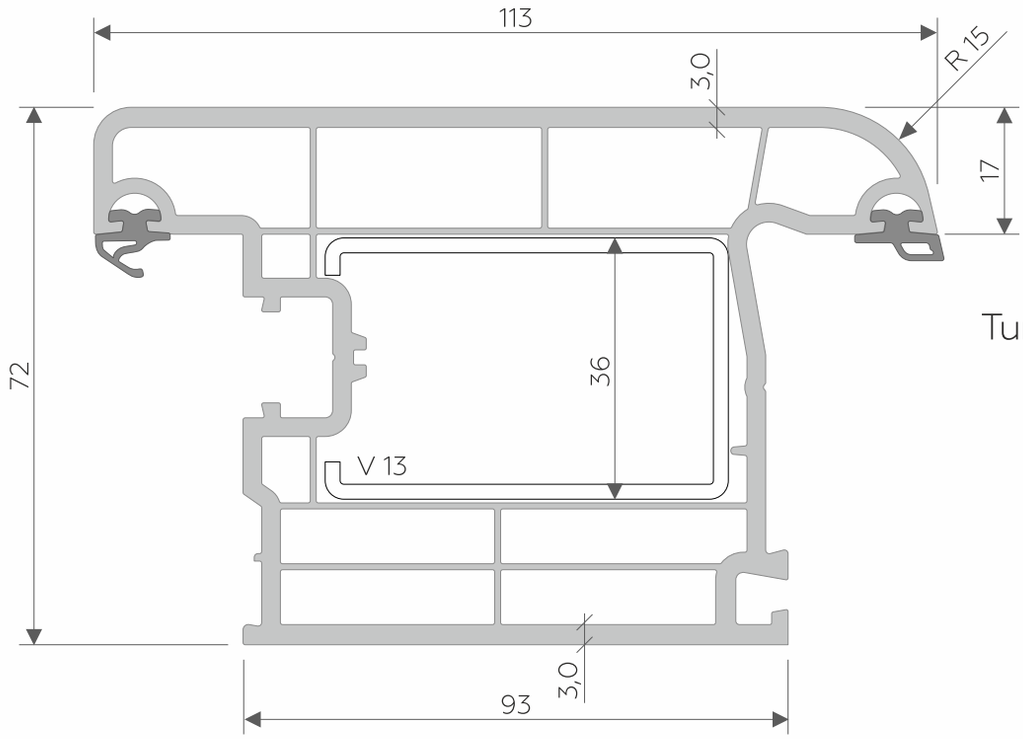
Frame profile

WP 5035
ENERGY



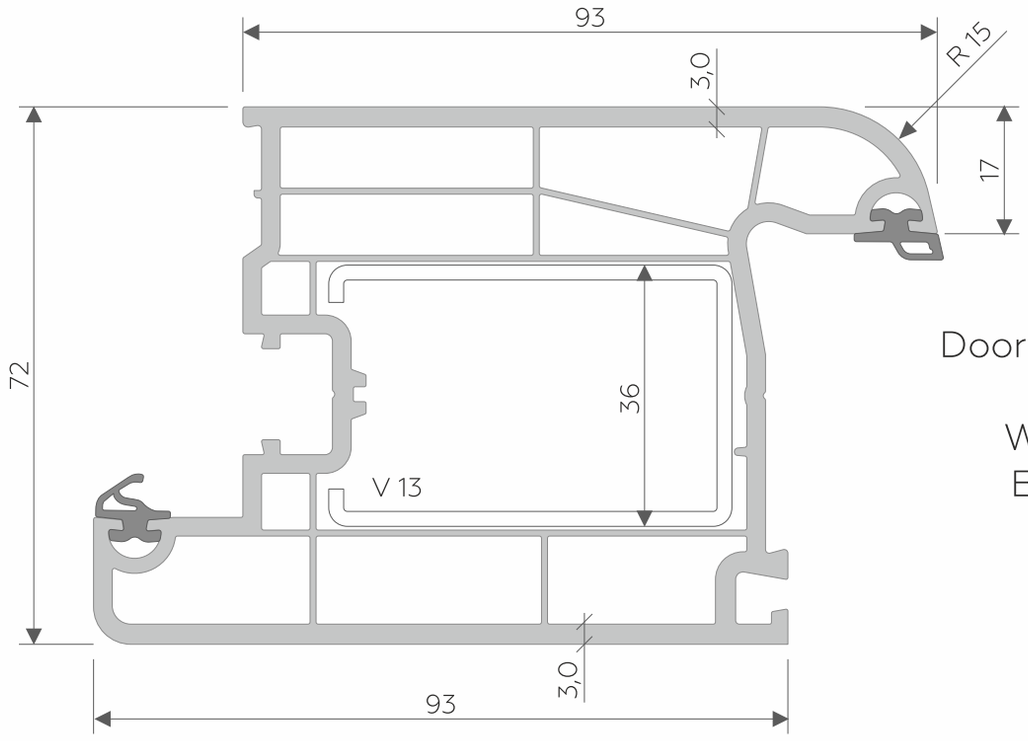
Sash profile

WP 5010
ENERGY



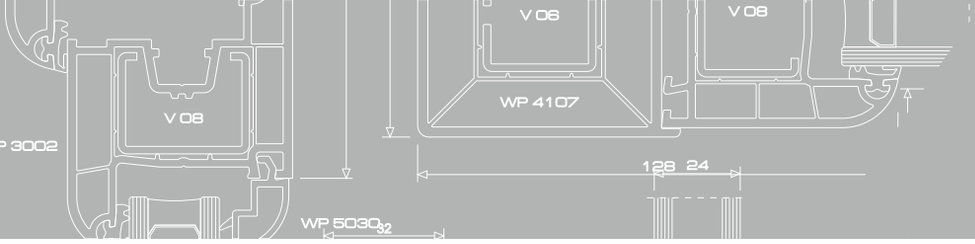
Turned over door sash profile

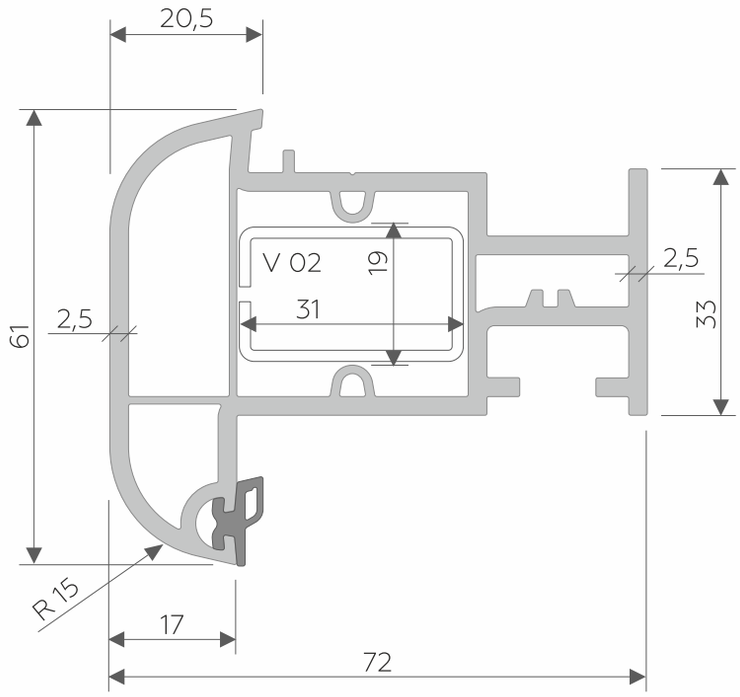
WP 5005
ENERGY



Door sash profile

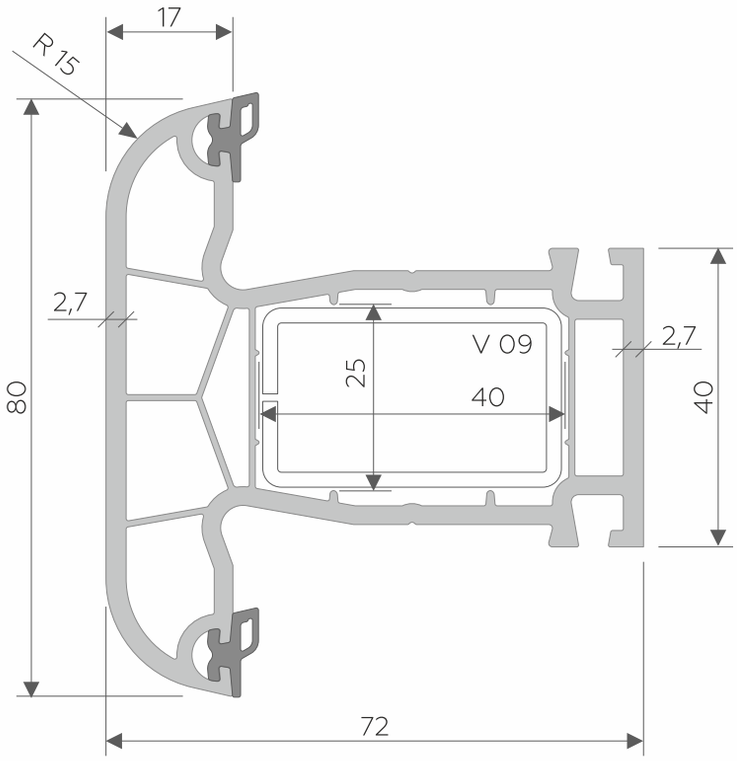
WP 5004
ENERGY





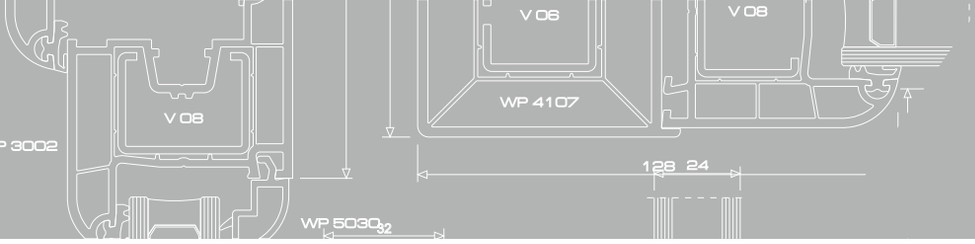
Lap joint profile

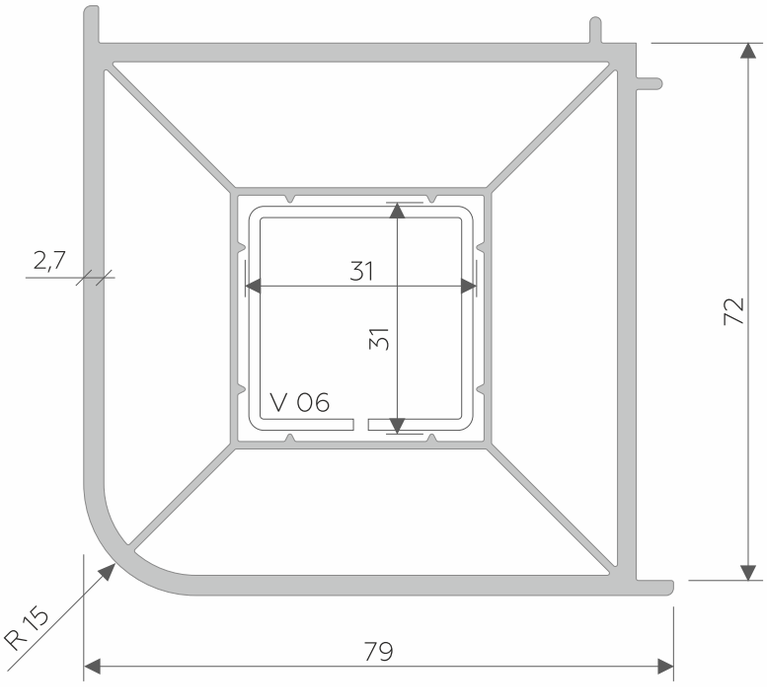
WP 5006
ENERGY



Mullion profile

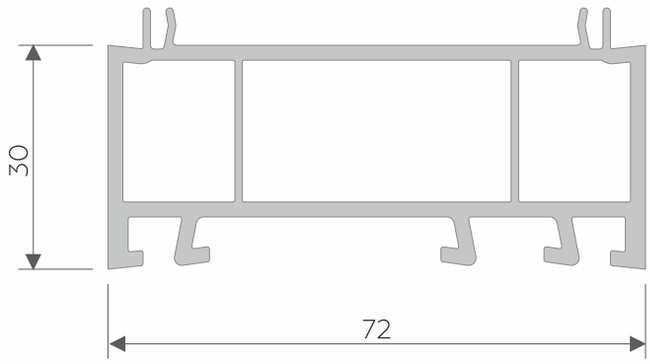
WP 5003
ENERGY





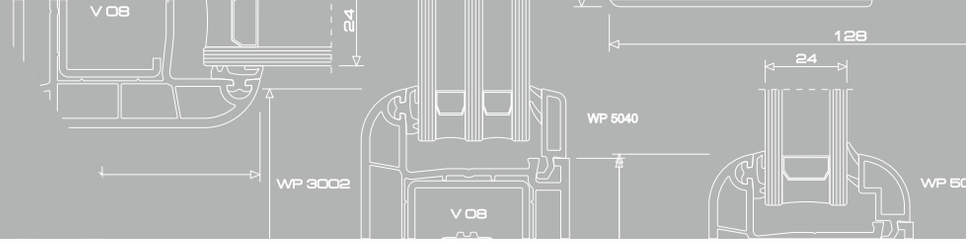
Corner profile 90°

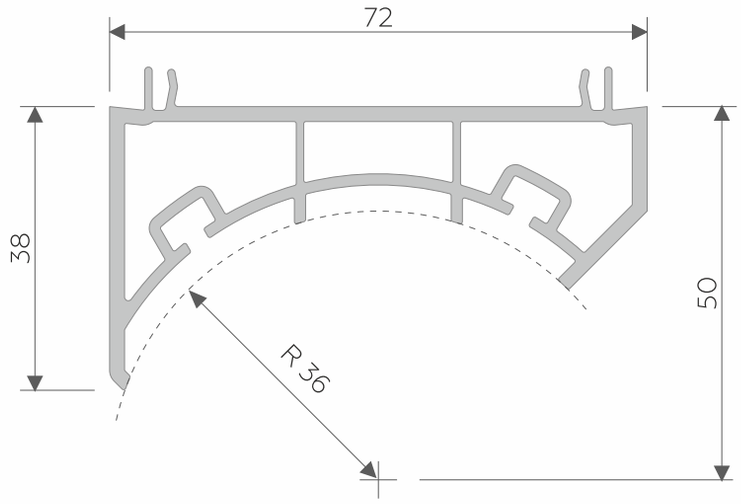
WP 5007
ENERGY



Frame extension

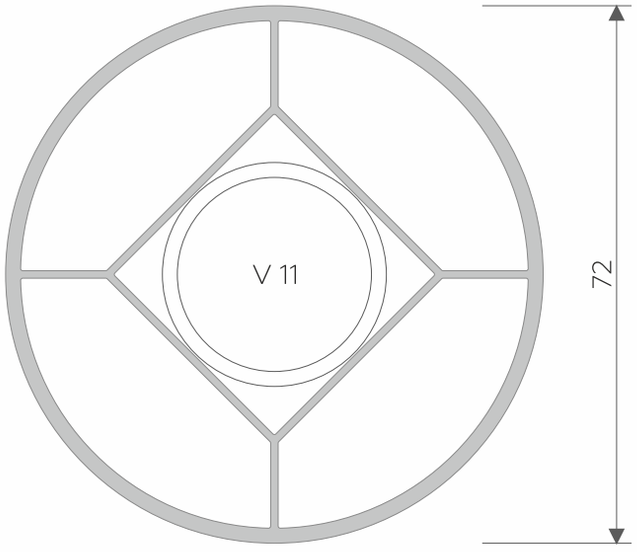
WP 5008
ENERGY





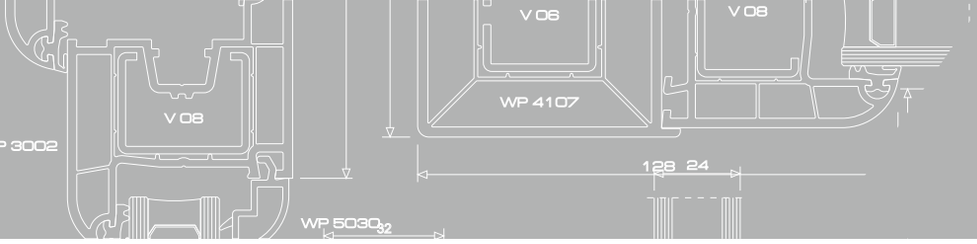
Corner lag profile

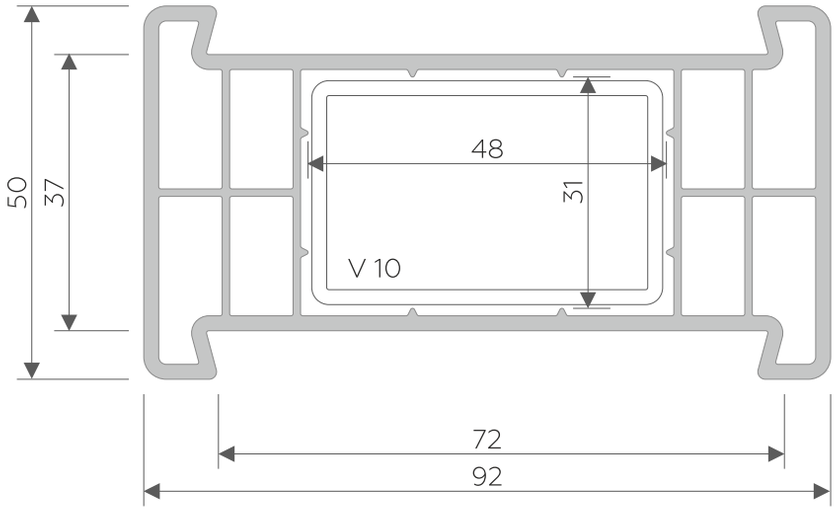
WP 5009
ENERGY



Pipe profile

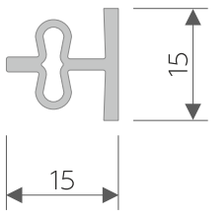
WP 5011
ENERGY





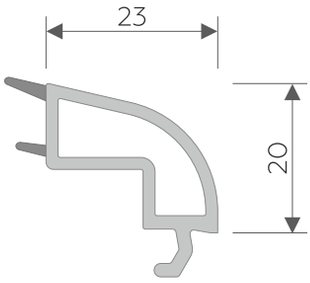
Coupling profile

WP 5013
ENERGY



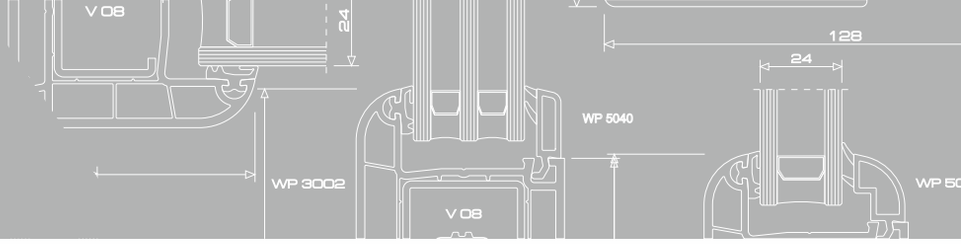
Coupling profile

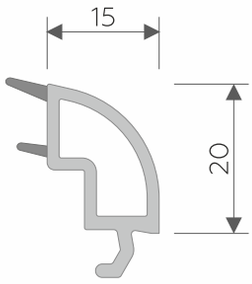
WP 5012
ENERGY



Glass bead 24 mm

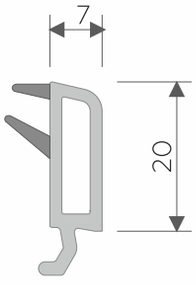
WP 5020
ENERGY





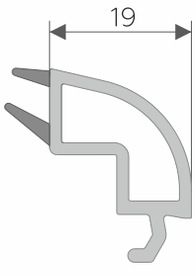
Glass bead 32 mm

WP 5030



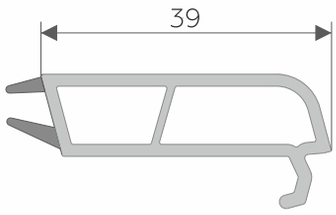
Glass bead 40 mm

WP 5040



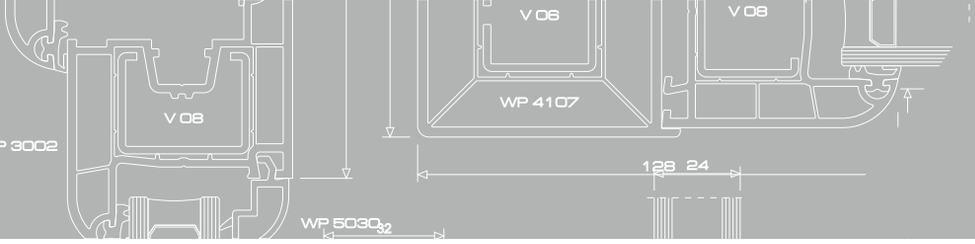
Glass bead 28 mm

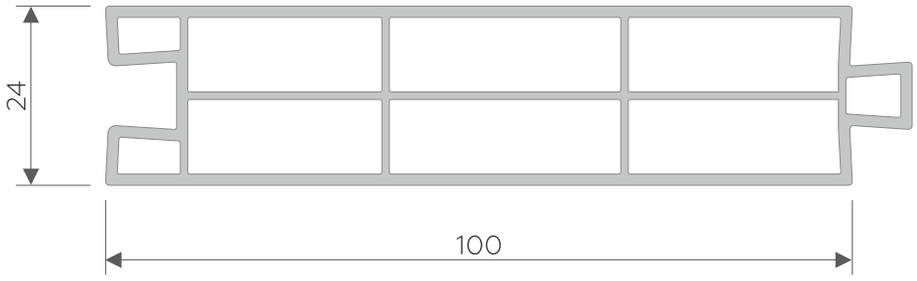
WP 5028



Glass bead 12 mm

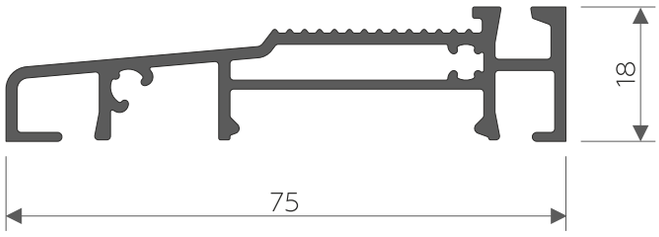
WP 5034





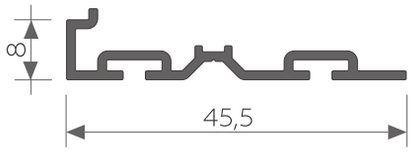
PVC panel 24 mm

WP 4119



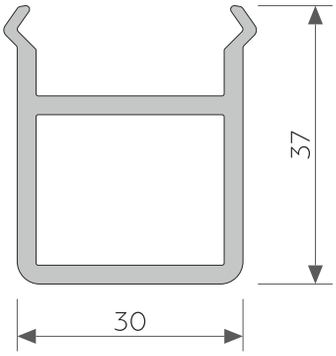
Aluminum door - sill

WP 5065



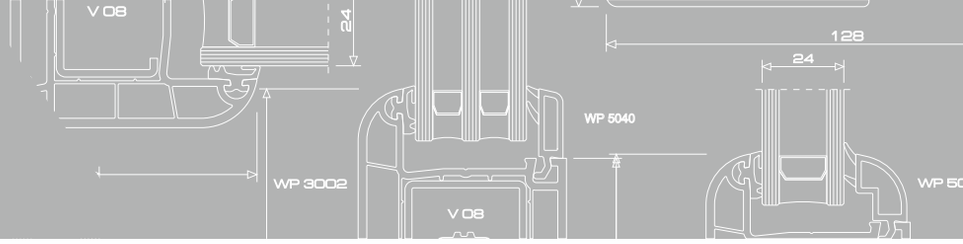
Additional profile for door

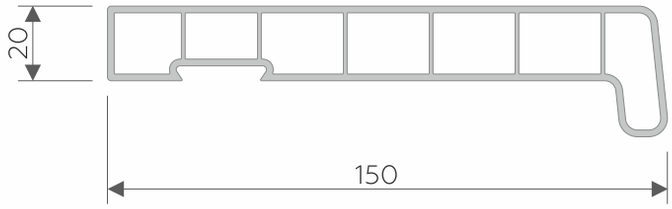
WP 4066



Lifting profile

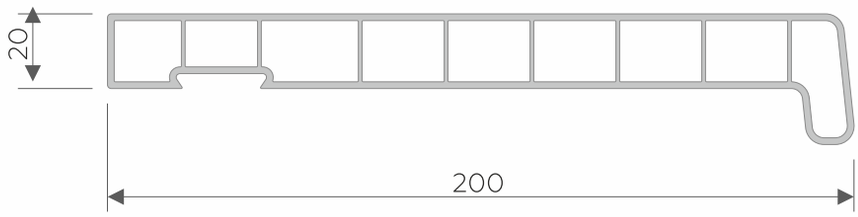
WP 4123



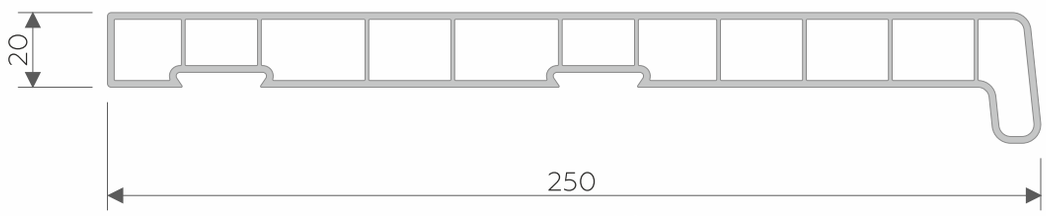


WP 4114

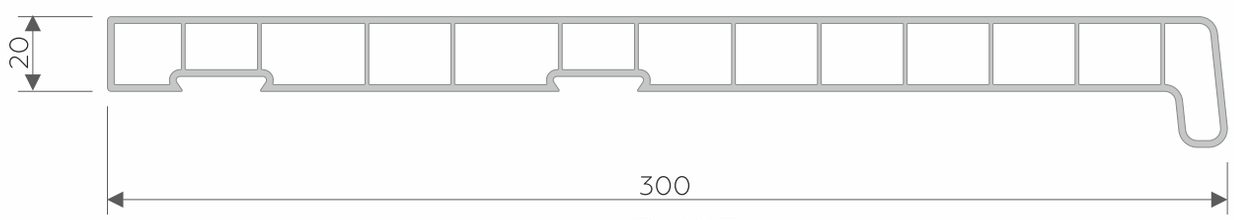
Under window profile internal



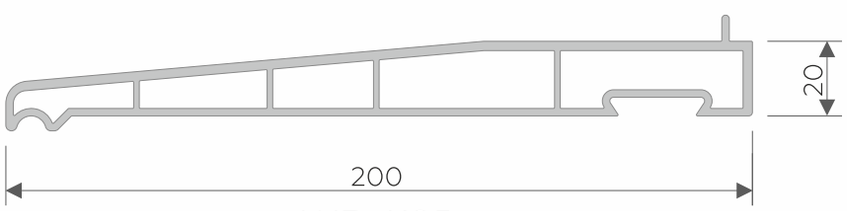
WP 4115



WP 4116

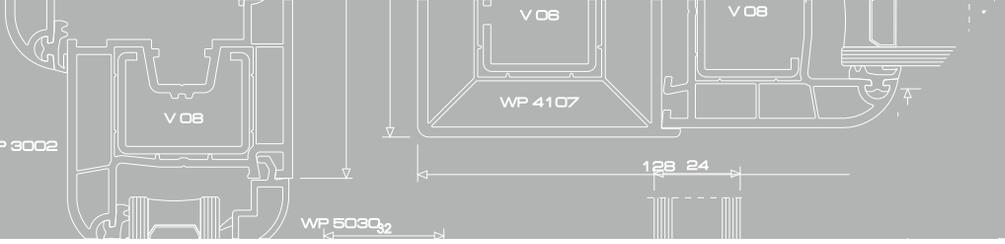


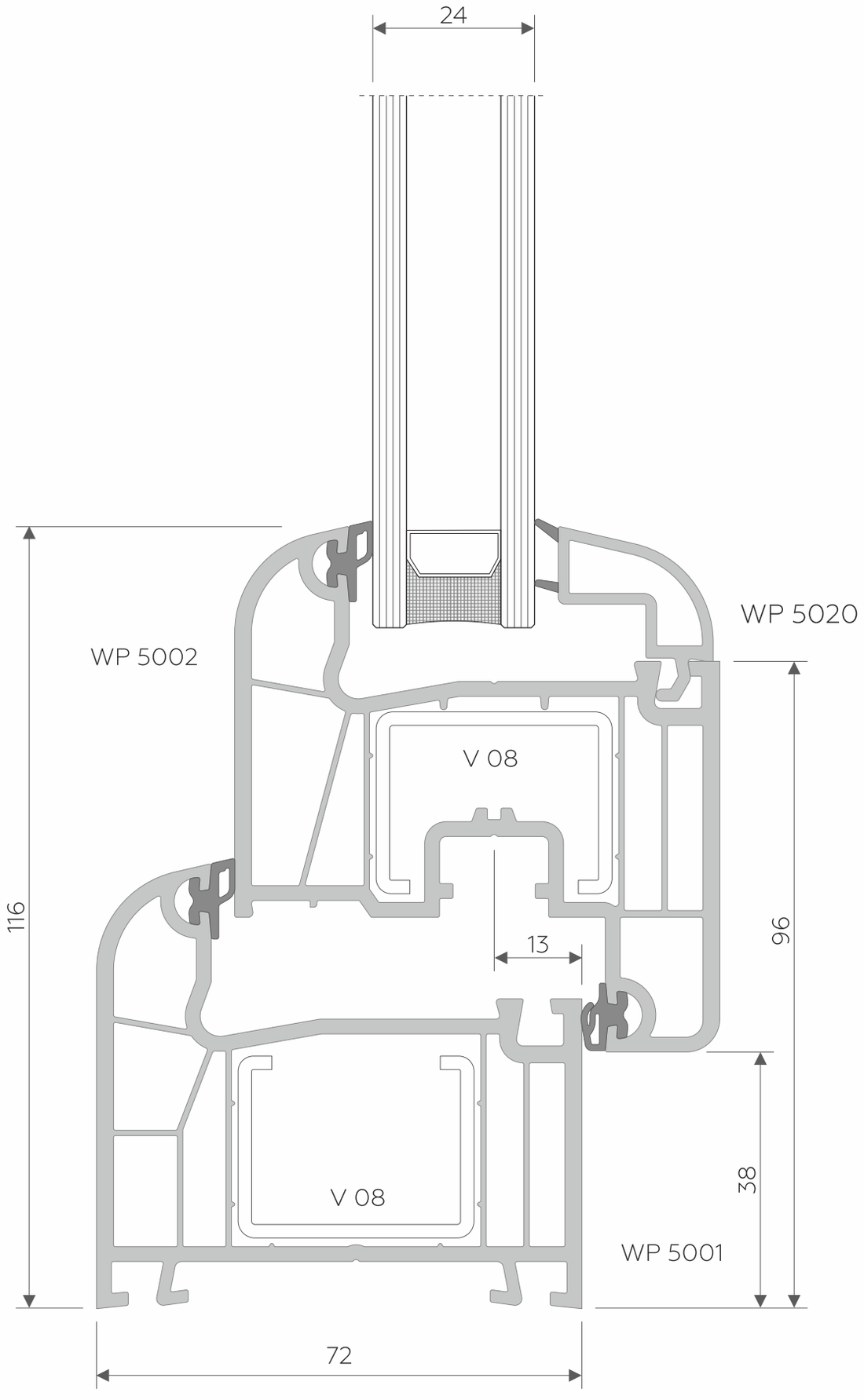
WP 4117

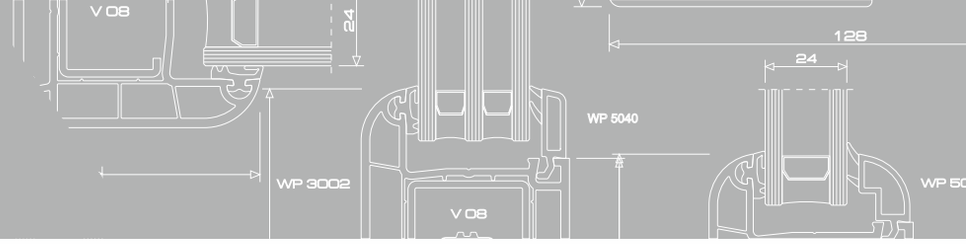


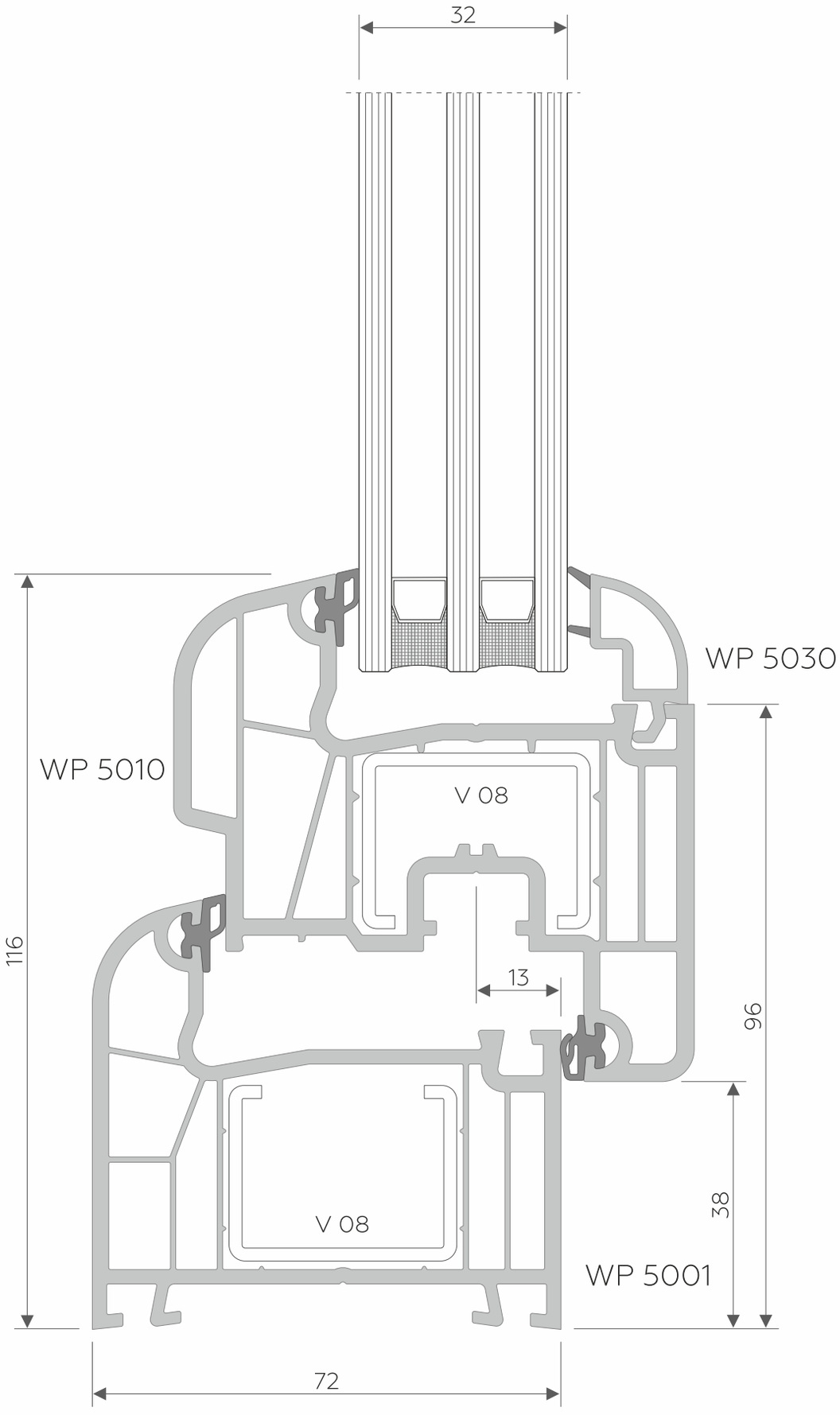
WP 4125

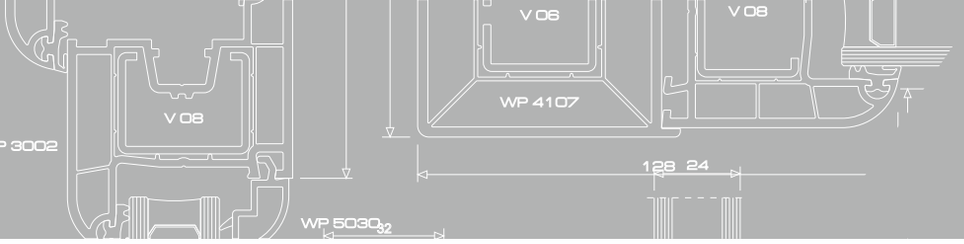
Under window profile internal

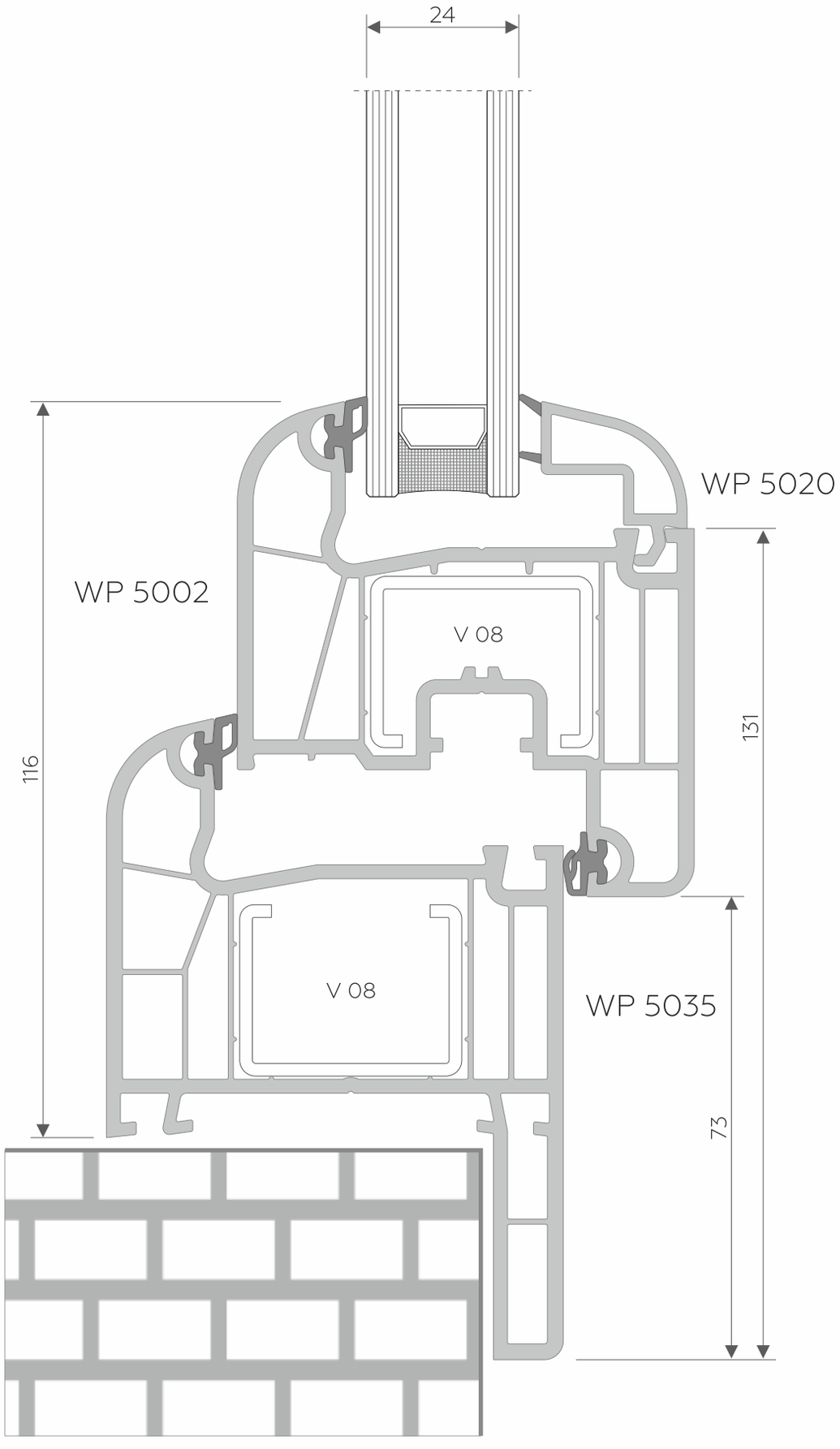

V 06
V 08
WP 4107
V 08
128 24
WP 5030
32

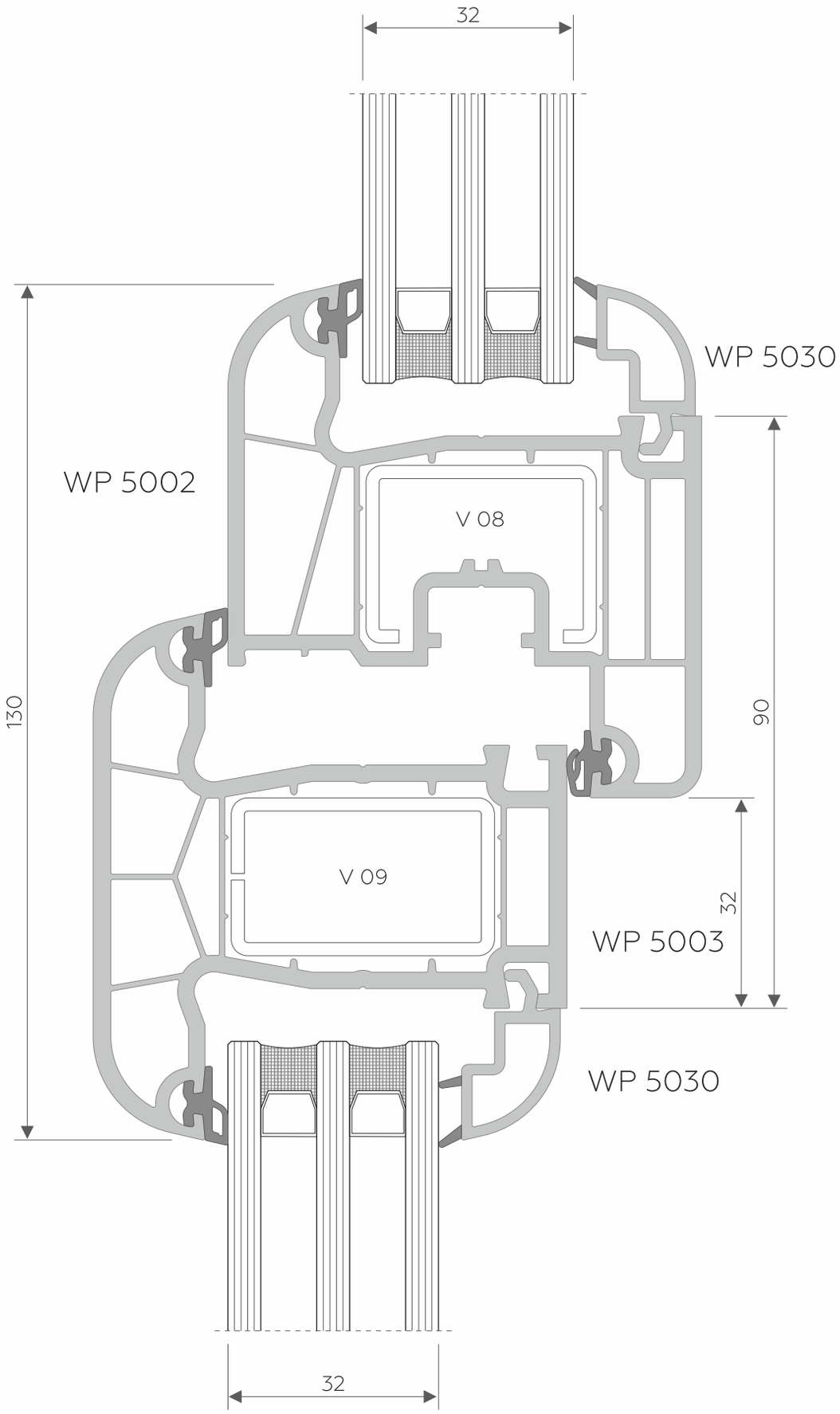

24
WP 5002
WP 5020
V 08
116
96
13
38
V 08
WP 5001
72

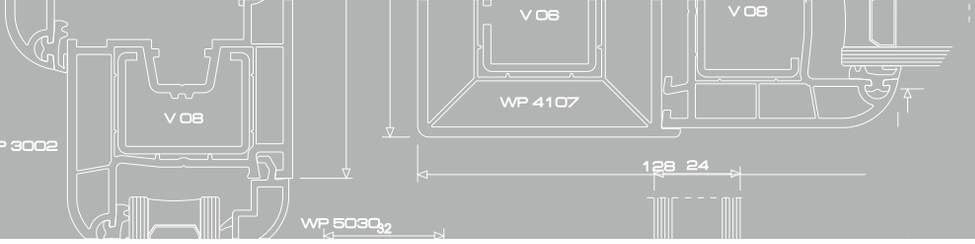

V 08
24
128
24
WP 5040
WP 3002
V 08

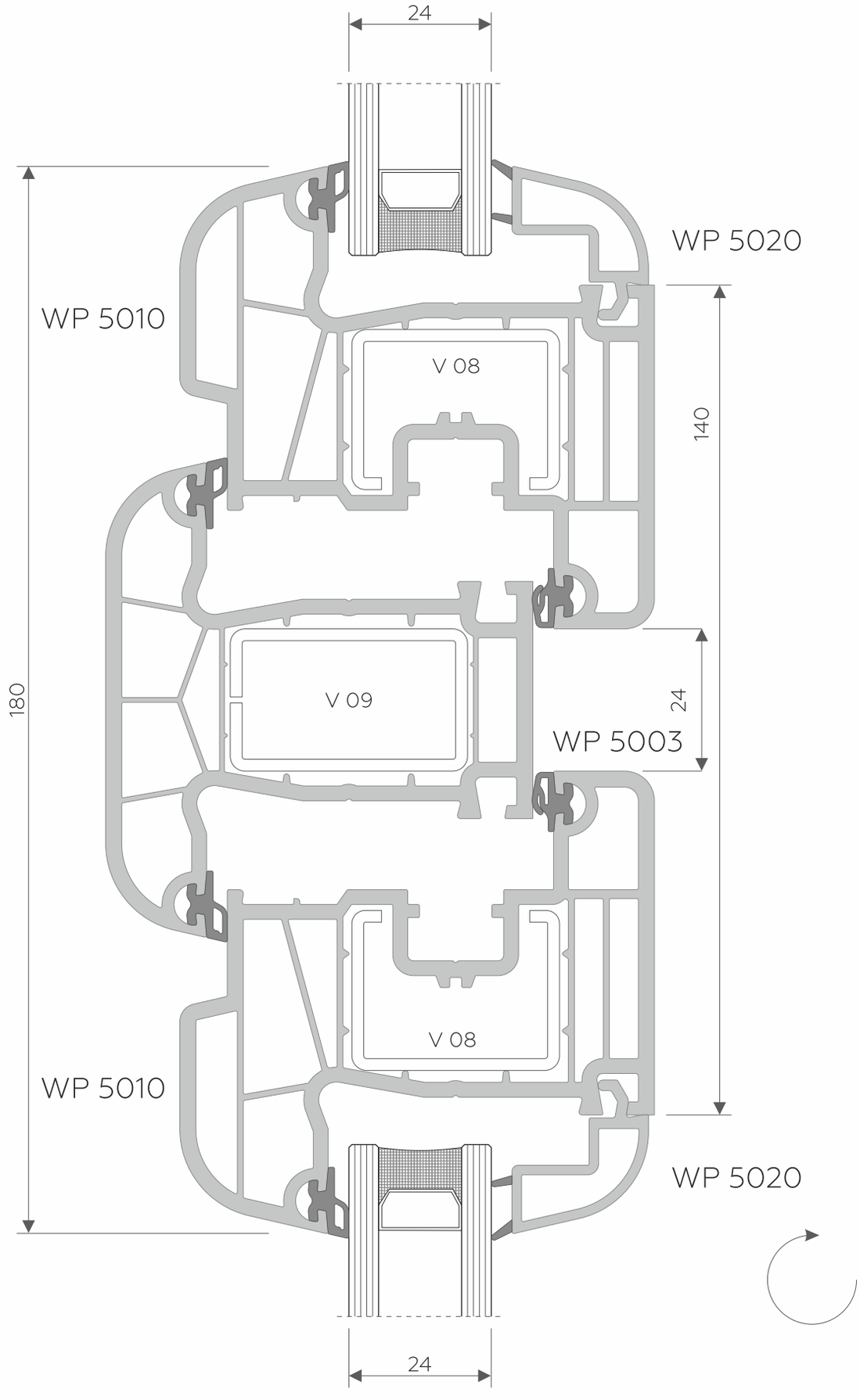

32
WP 5030
WP 5010
V 08
116
13
96
38
V 08
WP 5001
72

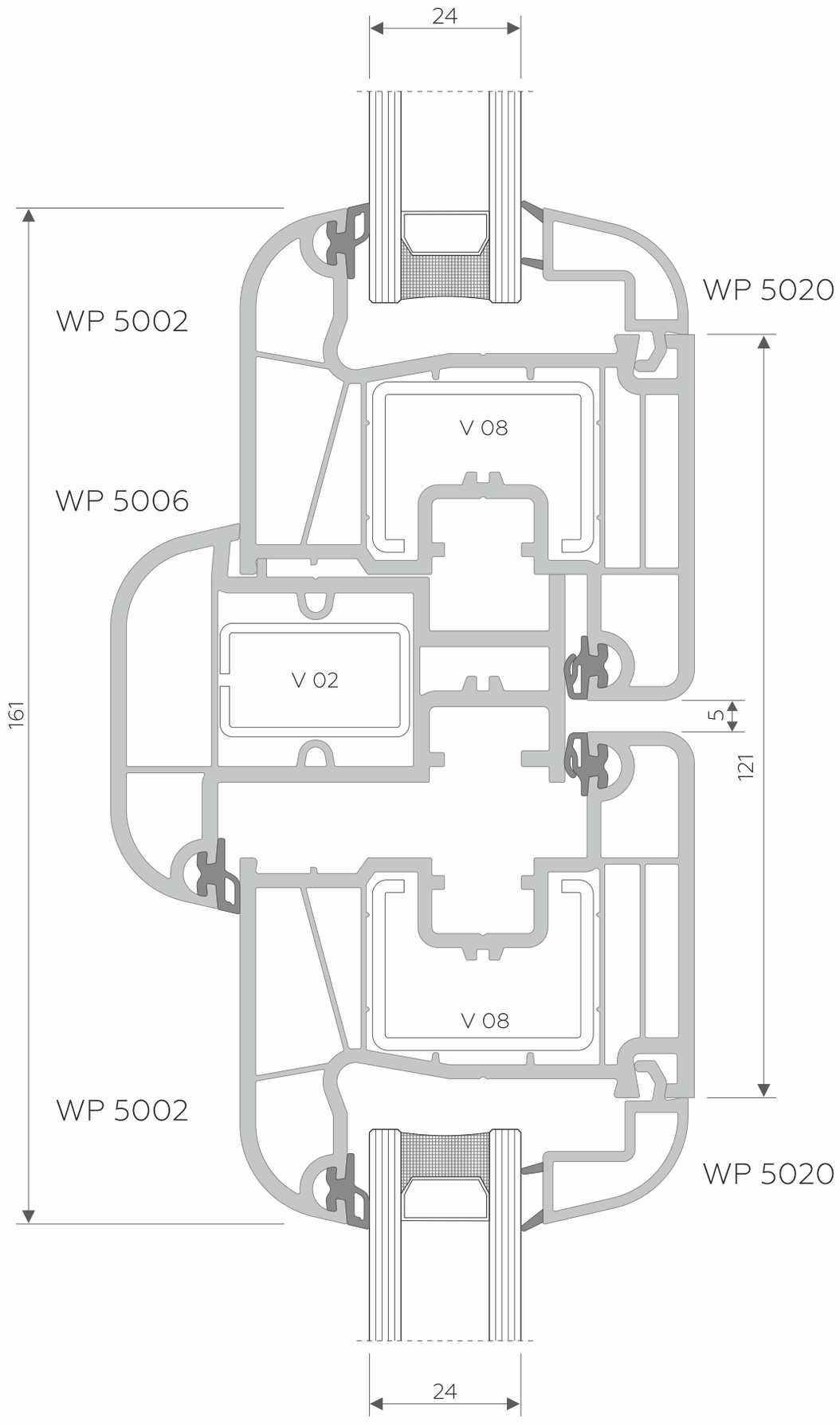

V 06
V 08
WP 4107
V 08
128 24
WP 5030
32

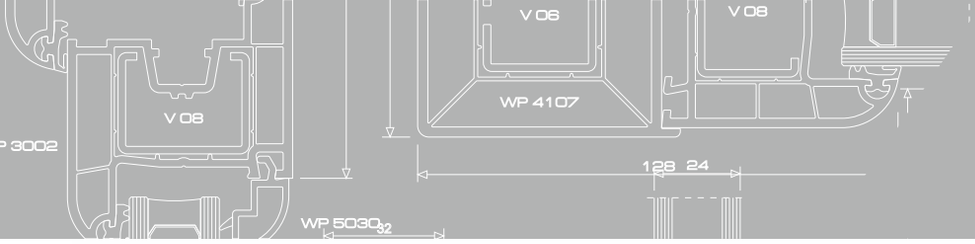

24
WP 5020
WP 5002
V 08
116
131
V 08
WP 5035
73

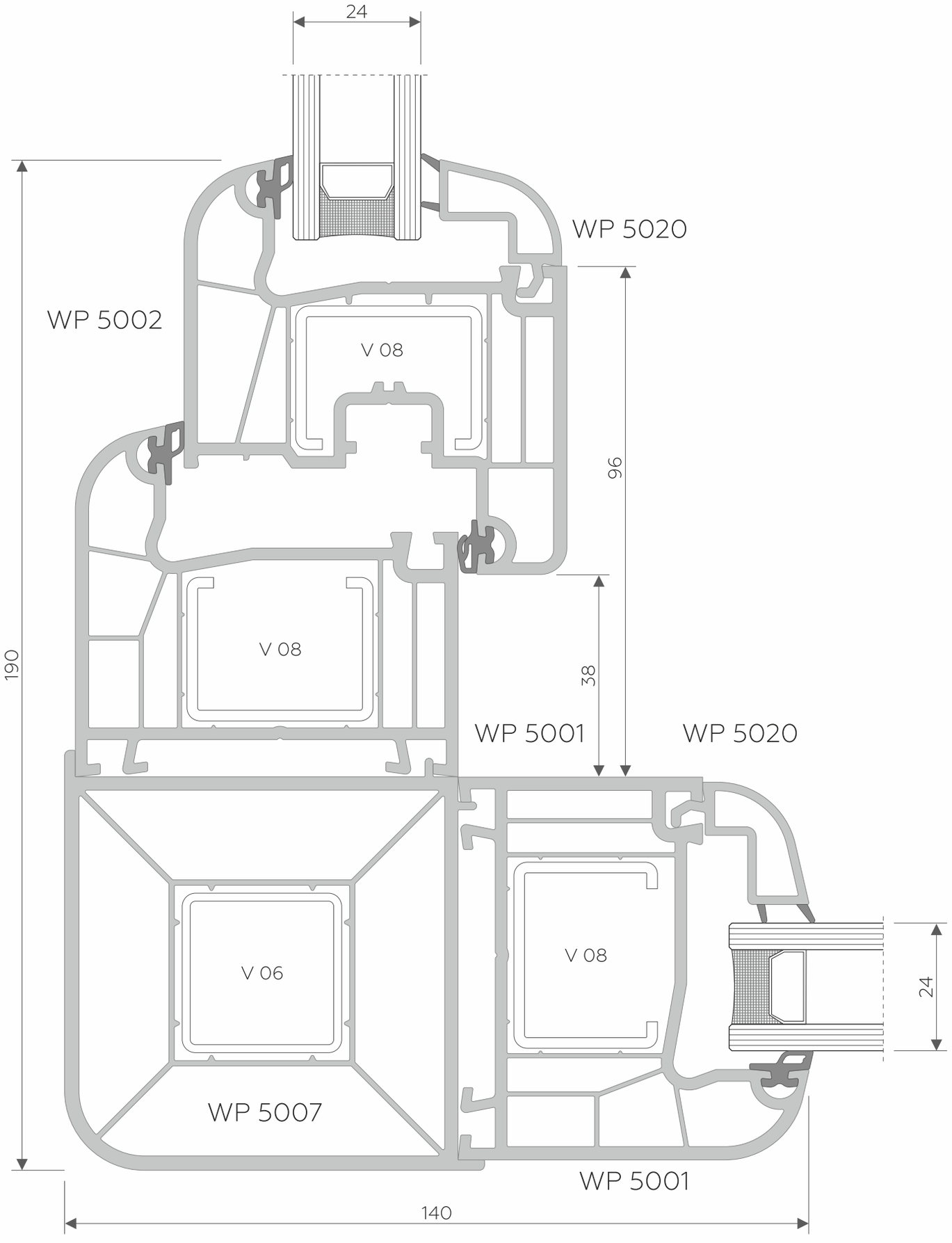

32
WP 5030
WP 5002
V 08
130
90
V 09
32
WP 5003
WP 5030
32

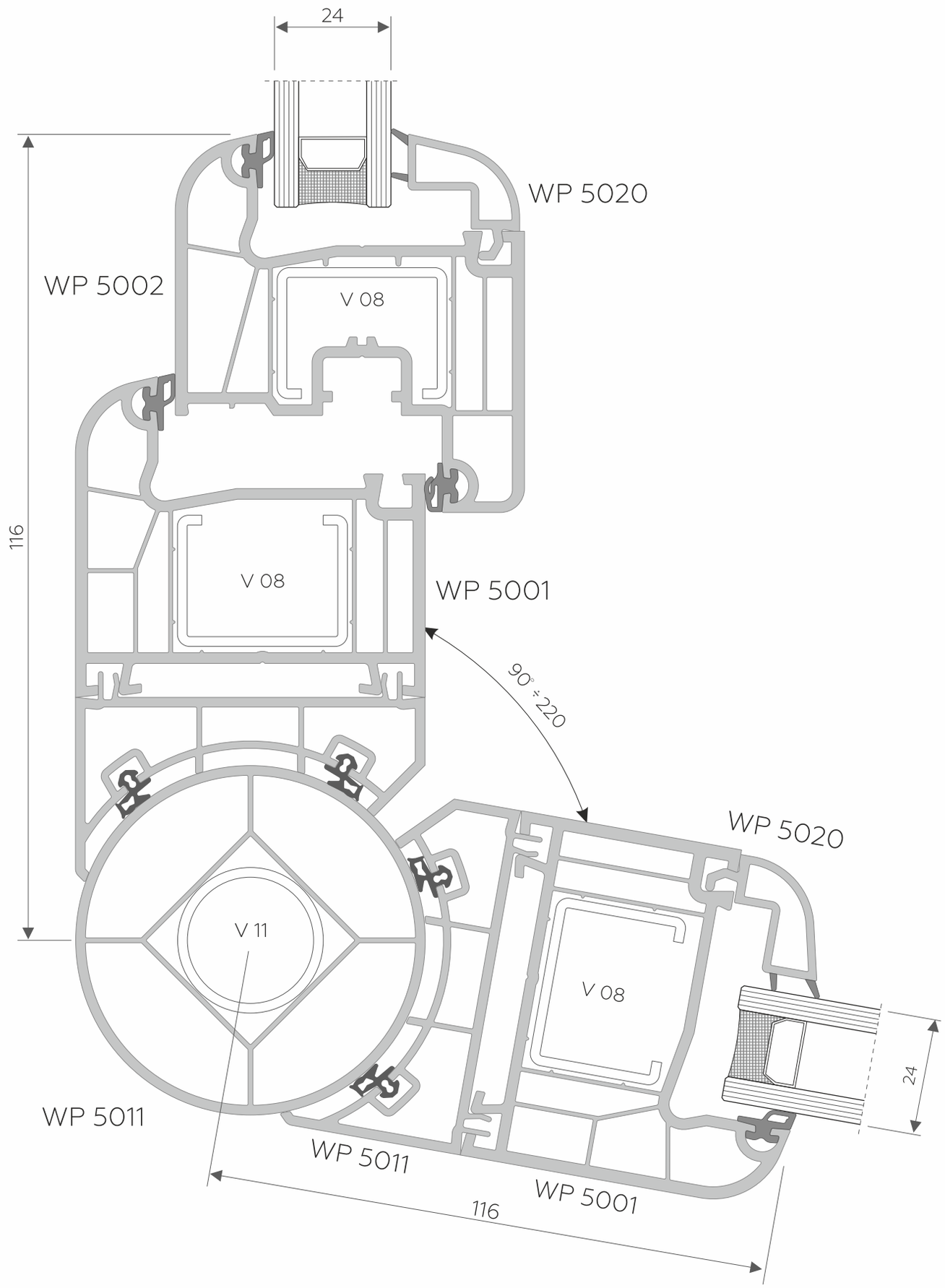

V 06
V 08
WP 4107
V 08
P 3002
128 24
WP 5030 32

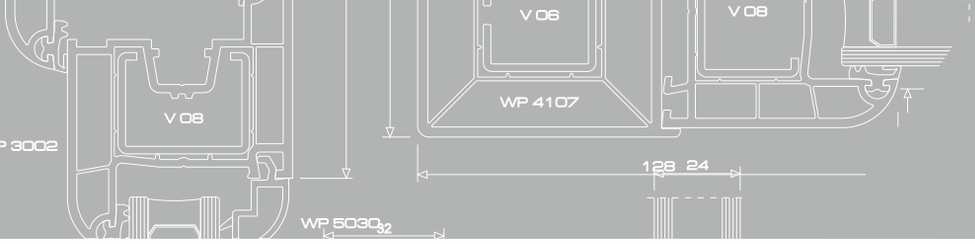

24
WP 5020
WP 5010
V 08
140
V 09
180
24
WP 5003
V 08
WP 5010
WP 5020
24

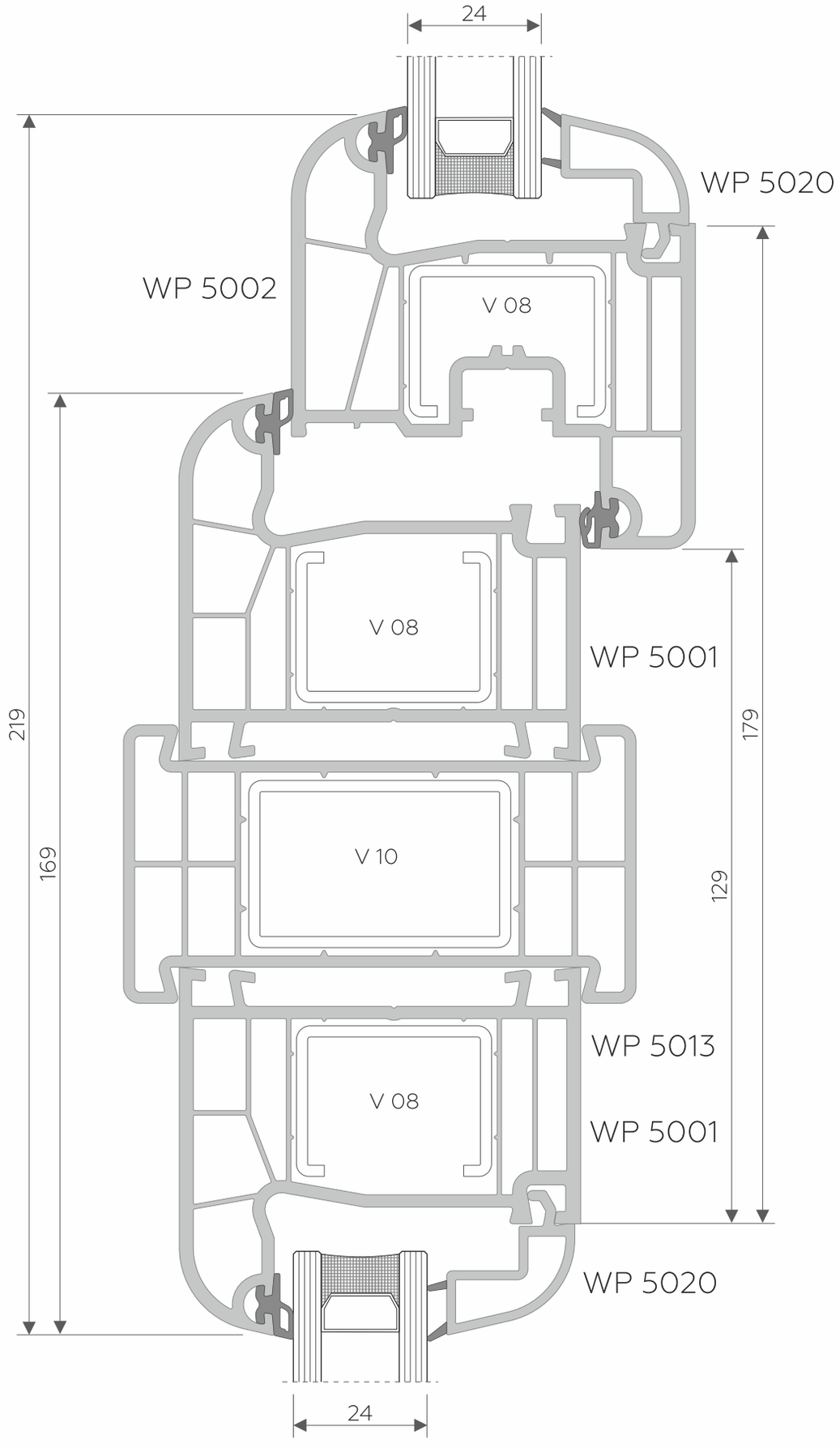

24
WP 5002
WP 5020
V 08
WP 5006
V 02
161
5
121
V 08
WP 5002
WP 5020
24

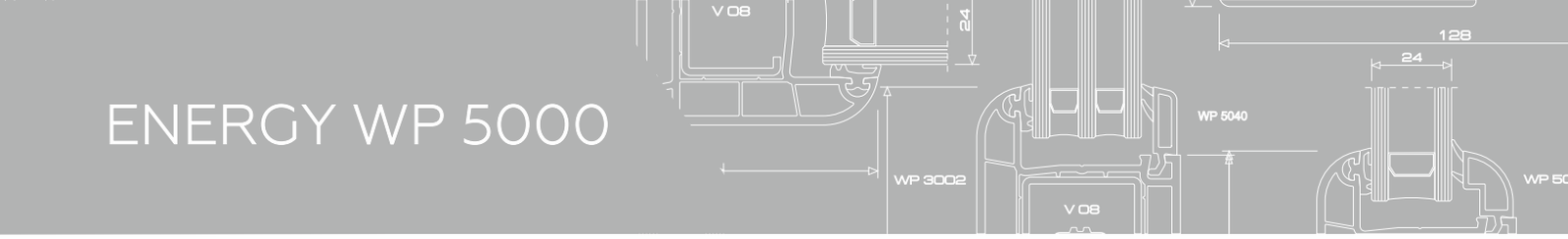

V 06
V 08
WP 4107
V 08
128 24
WP 5030
32

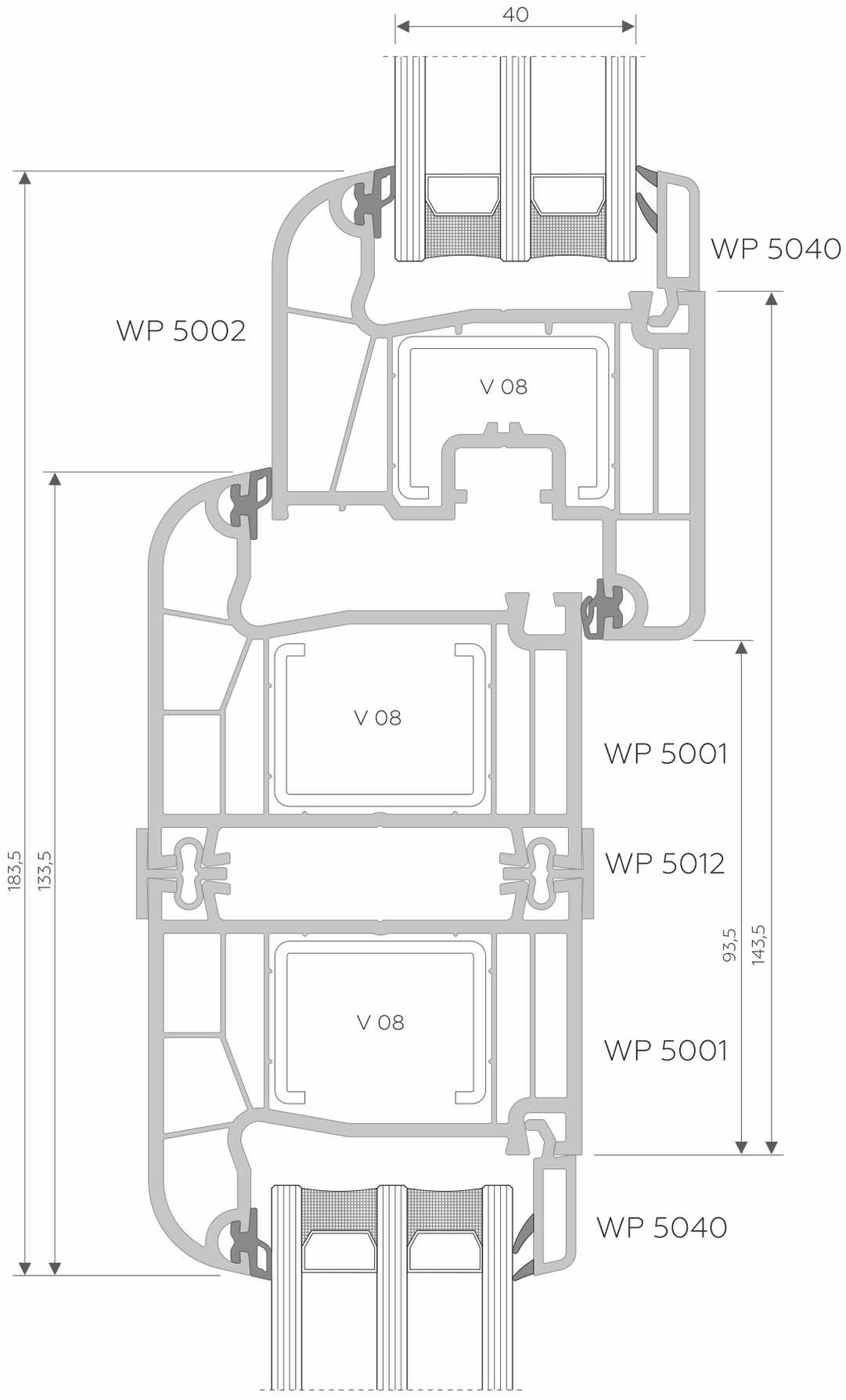

24
WP 5020
WP 5002
V 08
96
V 08
190
38
WP 5001
WP 5020
V 06
V 08
24
WP 5007
WP 5001
140

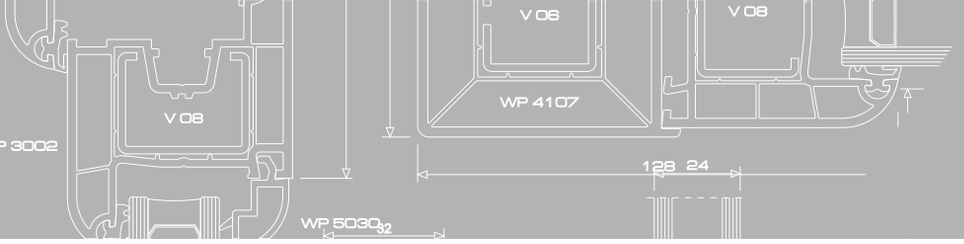

24
WP 5020
WP 5002
V 08
116
V 08
WP 5001
90° ÷ 220
WP 5020
V 11
V 08
24
WP 5011
WP 5011
WP 5001
116

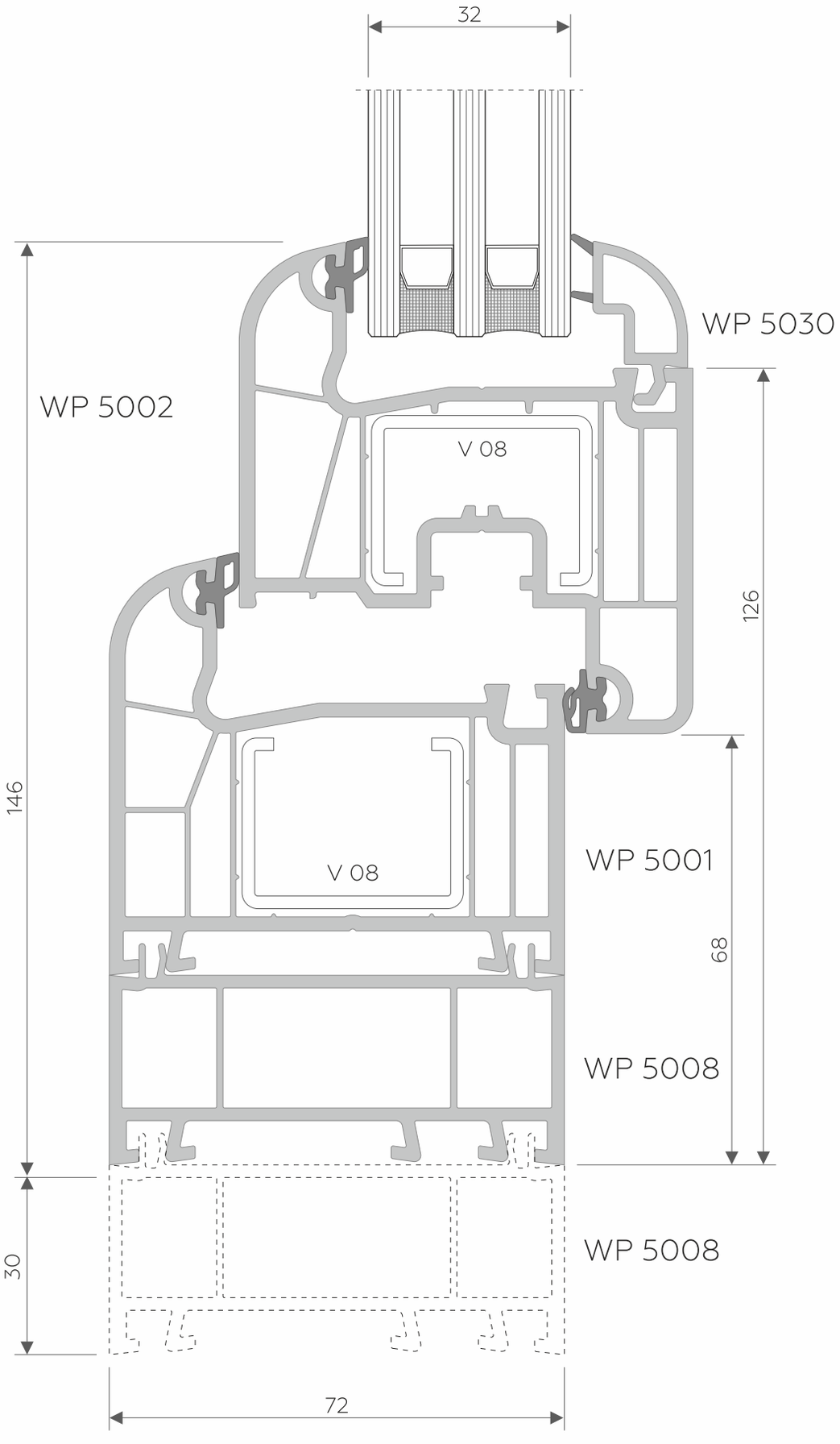

V 06
V 08
WP 4107
V 08
128 24
WP 5030
32

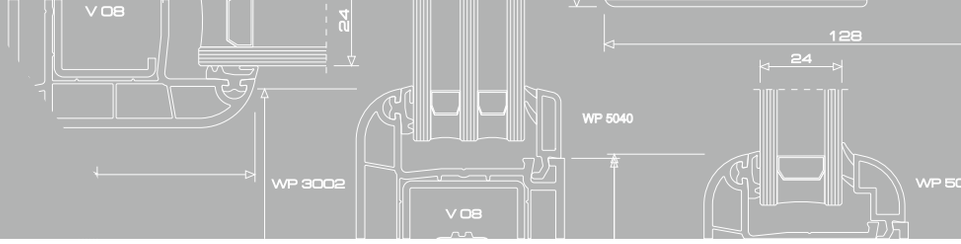

24
WP 5020
WP 5002
V 08
V 08
WP 5001
219
169
179
129
V 10
WP 5013
V 08
WP 5001
WP 5020
24

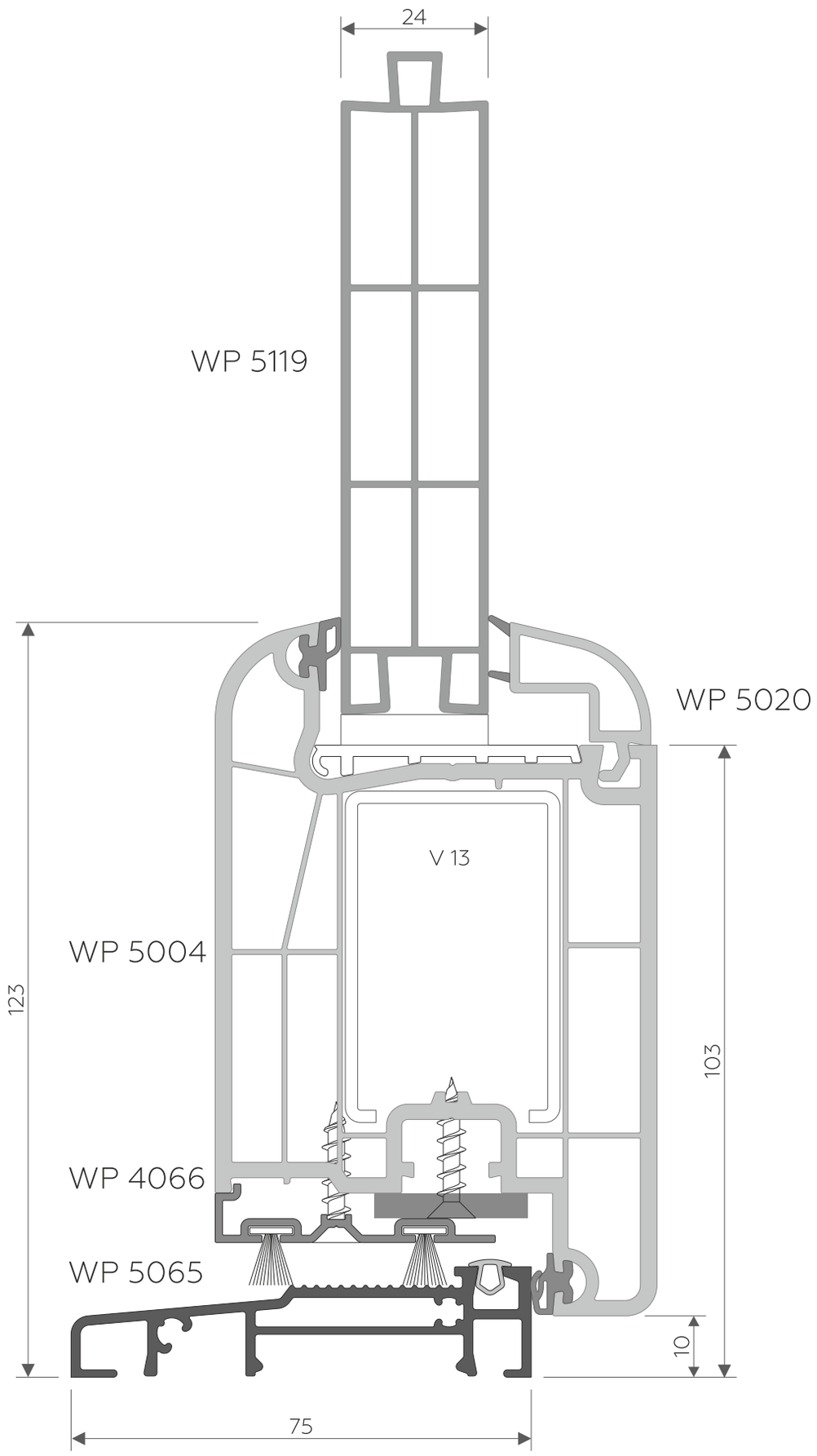

V 08
24
128
24
WP 5040
WP 3002
V 08

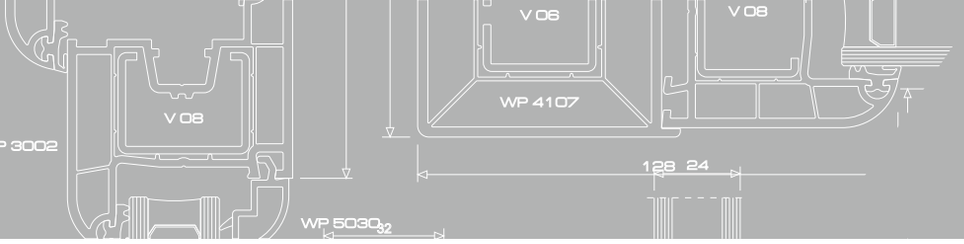

40
WP 5040
WP 5002
V 08
V 08
WP 5001
WP 5012
V 08
WP 5001
WP 5040
183,5
133,5
93,5
143,5

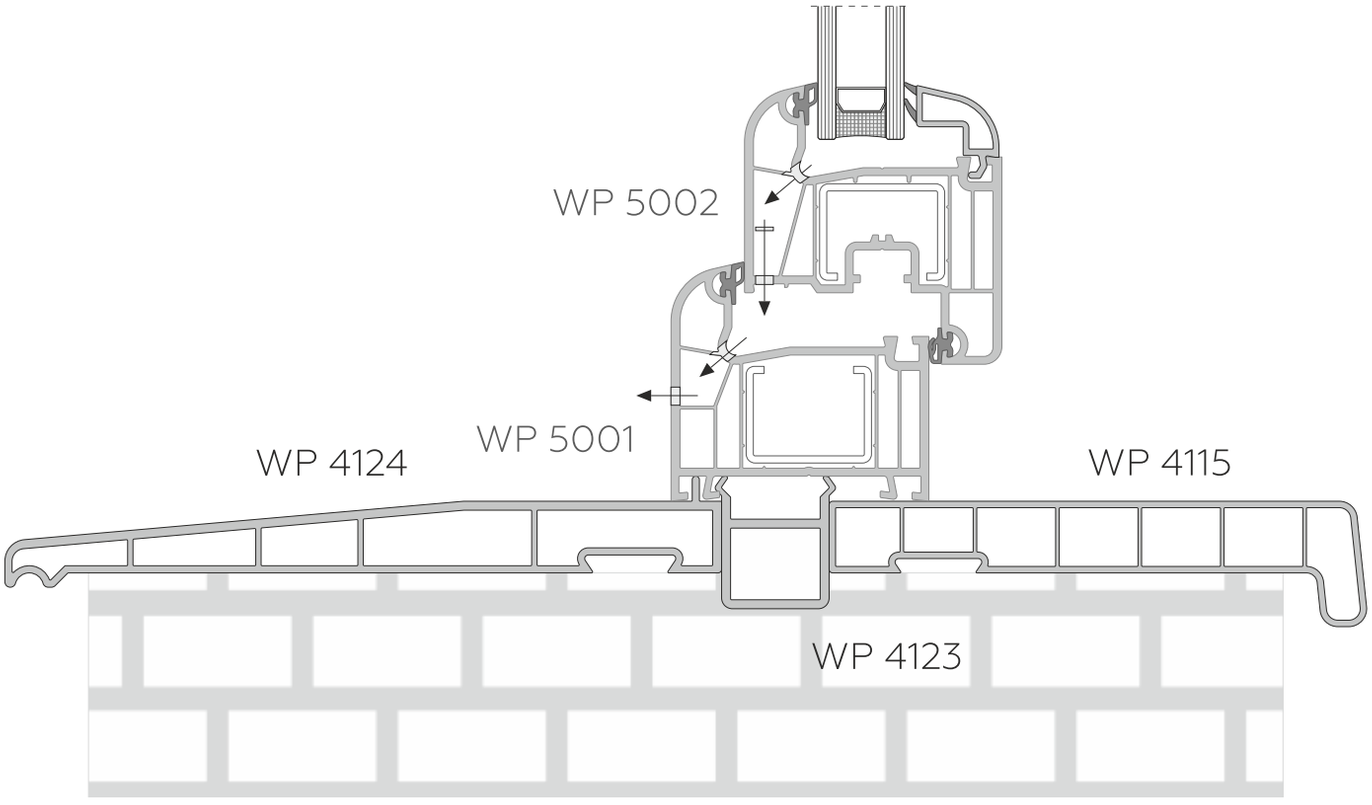

V 06
V 08
WP 4107
V 08
P 3002
128 24
WP 5030
32

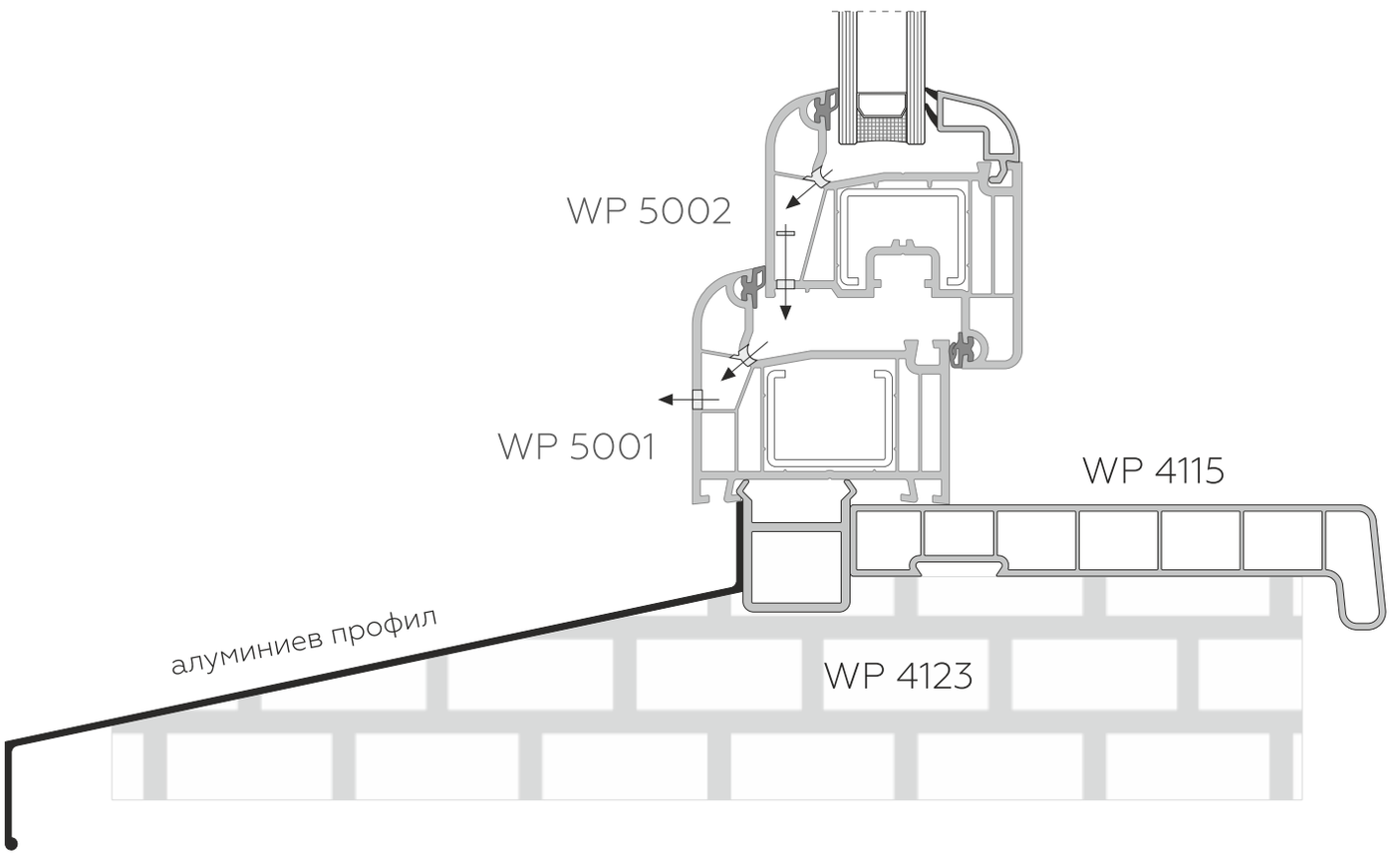

32
WP 5030
WP 5002
V 08
126
146
WP 5001
V 08
68
WP 5008
WP 5008
30
72


V 08
24
WP 3002
WP 5040
128
24
V 08

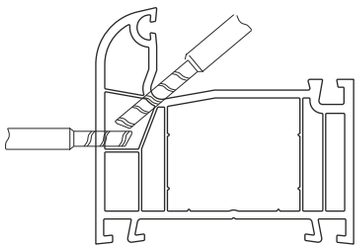

24
WP 5119
WP 5020
V 13
WP 5004
123
103
WP 4066
WP 5065
10
75

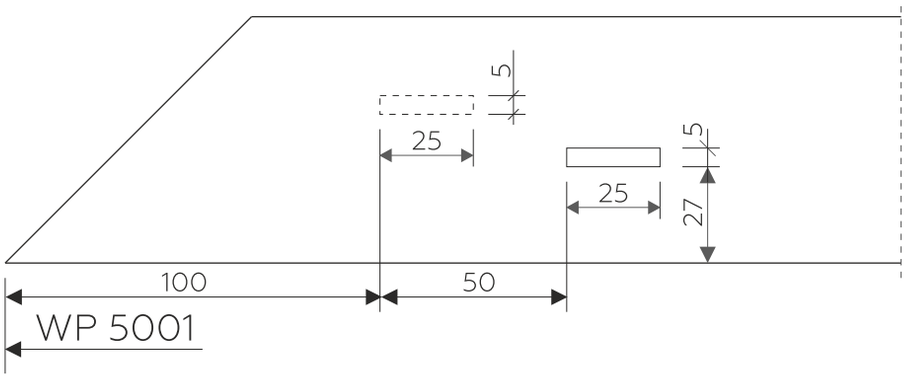

V 06
V 08
WP 4107
V 08
128 24
WP 5030
32

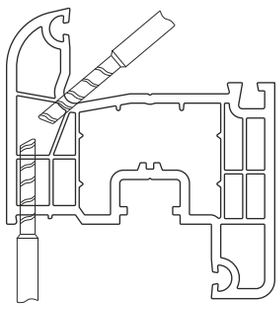

WP 5002
WP 5001
WP 4124
WP 4115
WP 4123

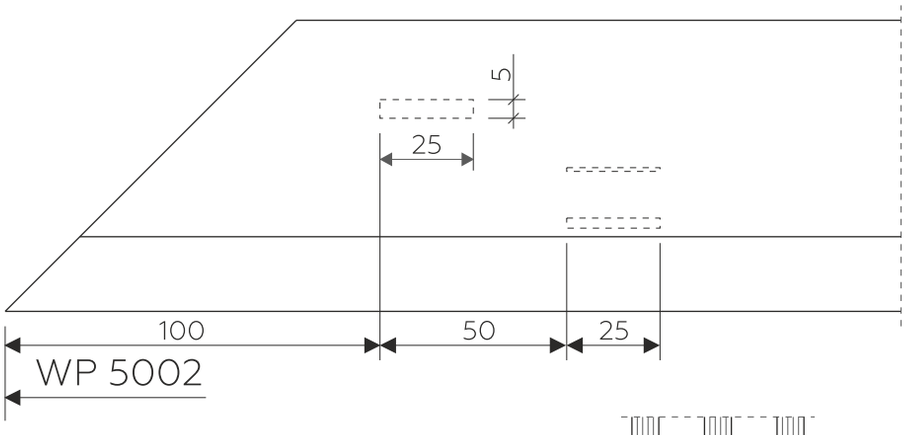

WP 5002
WP 5001
WP 4115
алуминиев профил
WP 4123

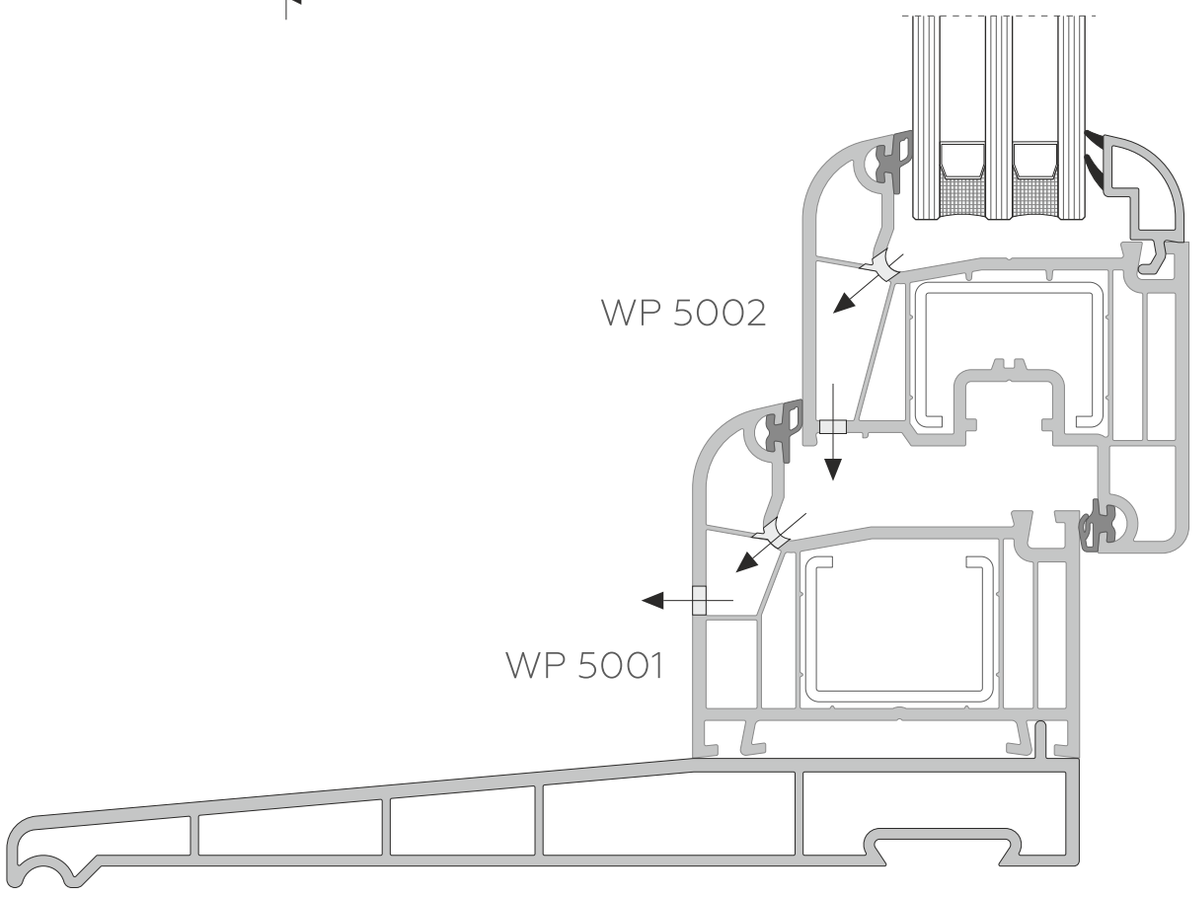
ENERGY WP 5000
Drainage diagram

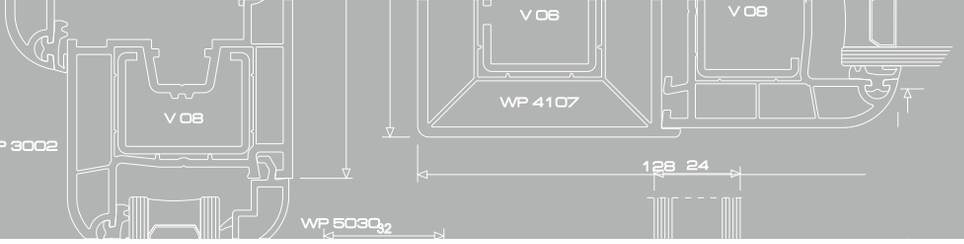


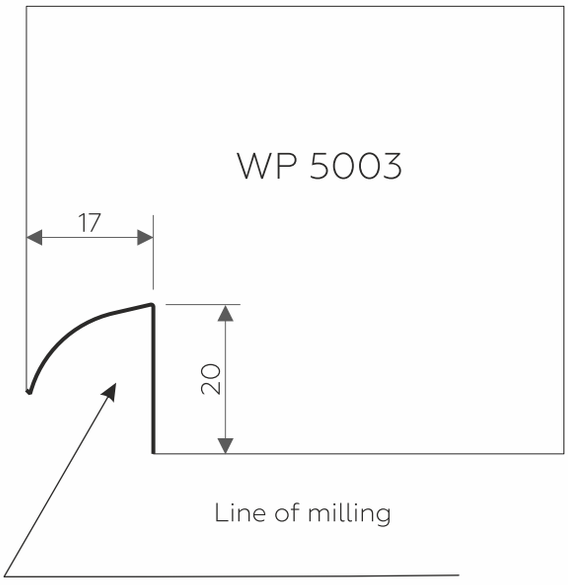




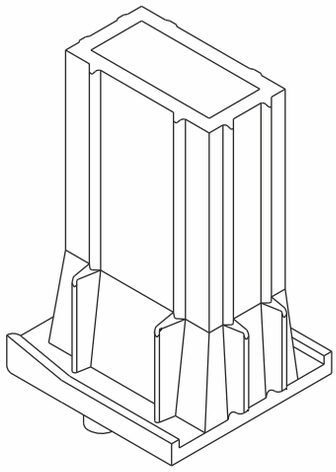




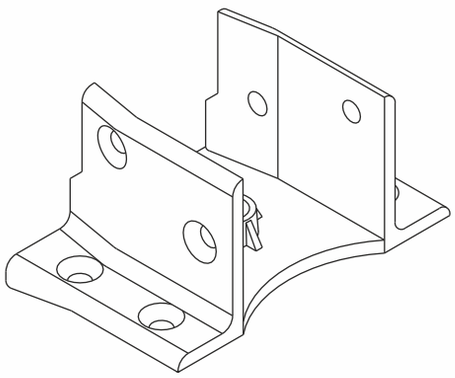


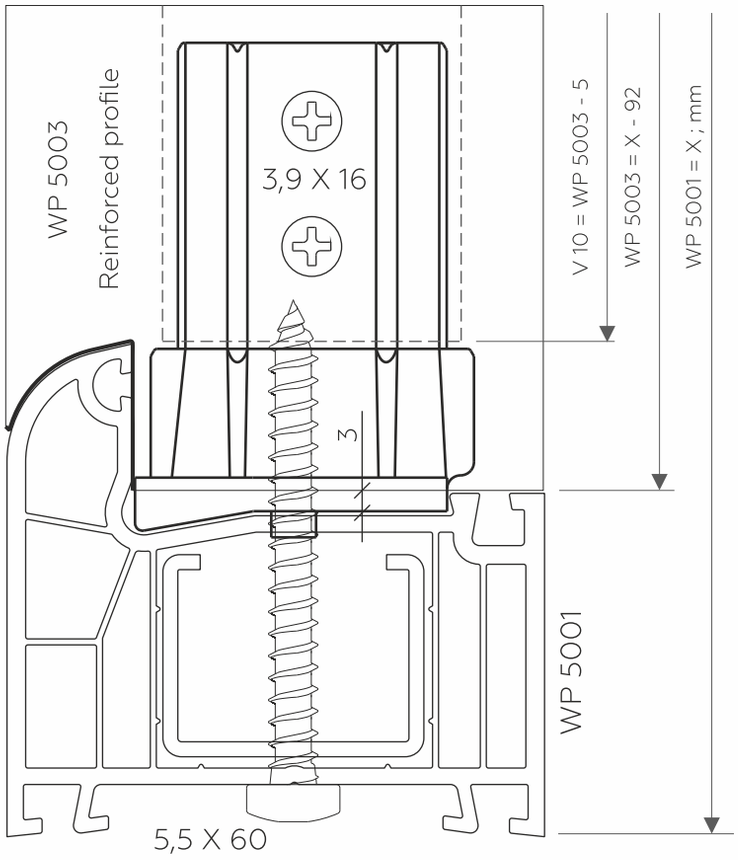


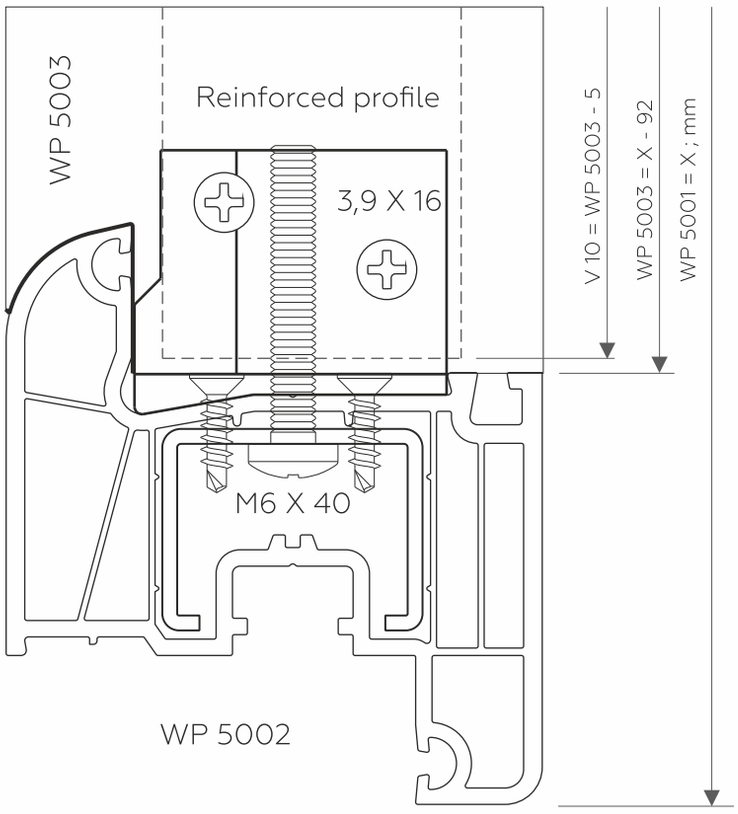
Plastic joint



Metal joint

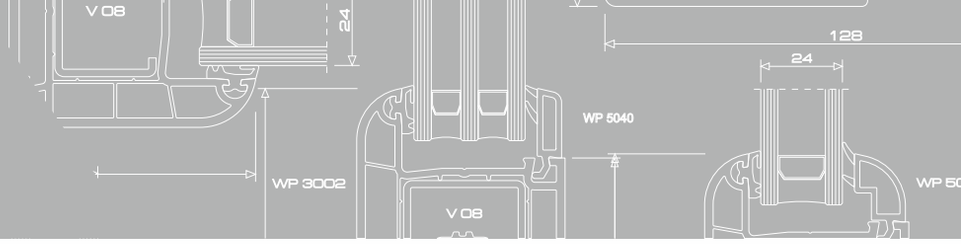


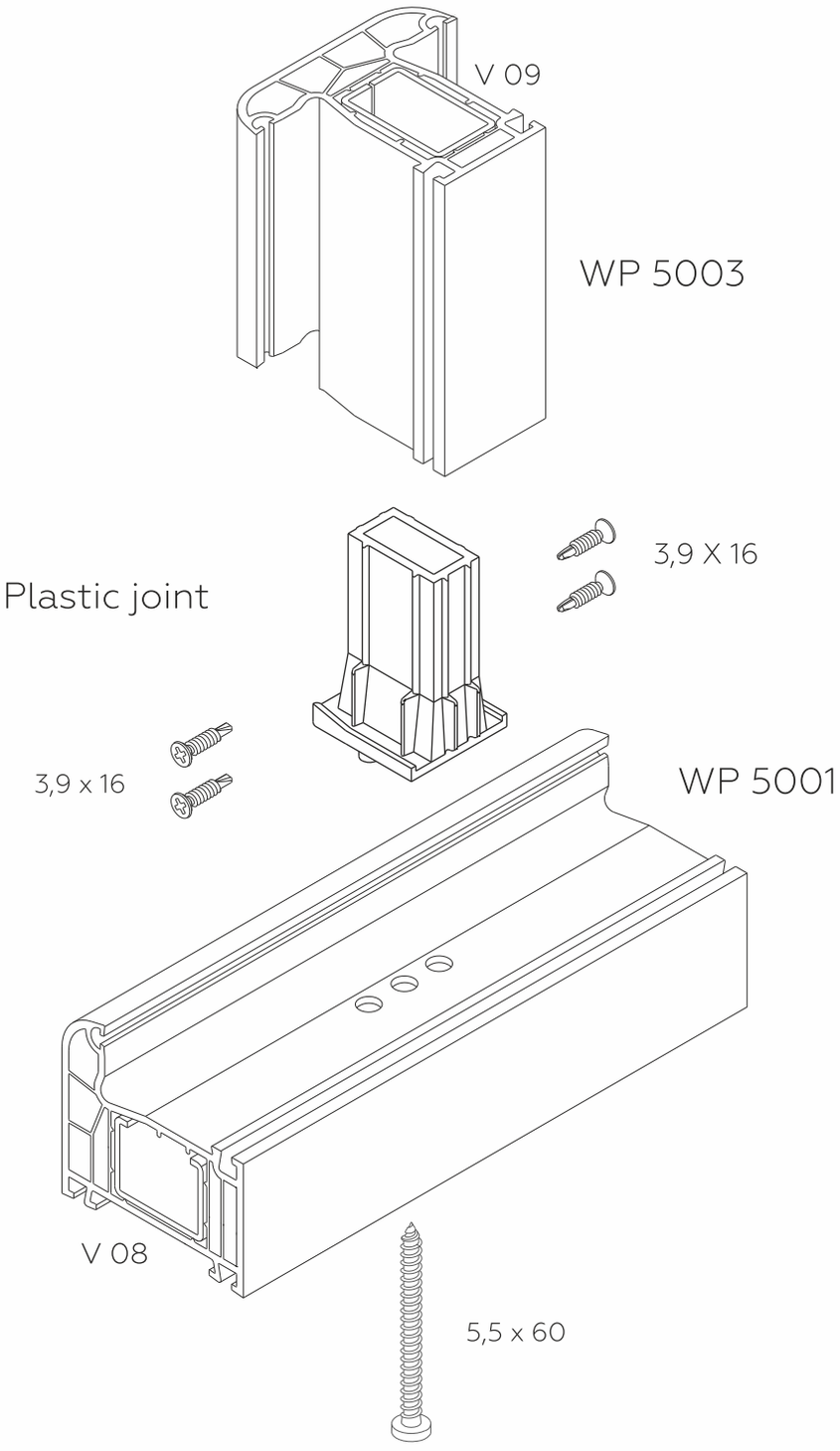


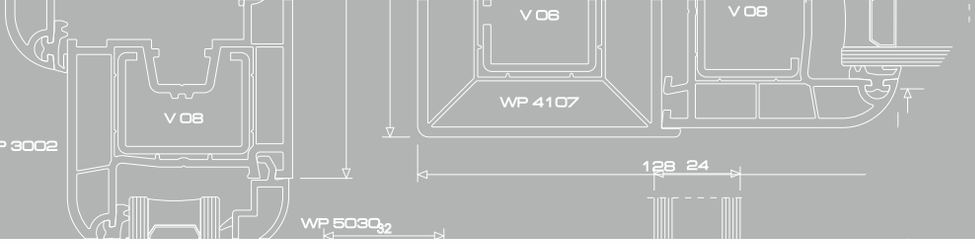


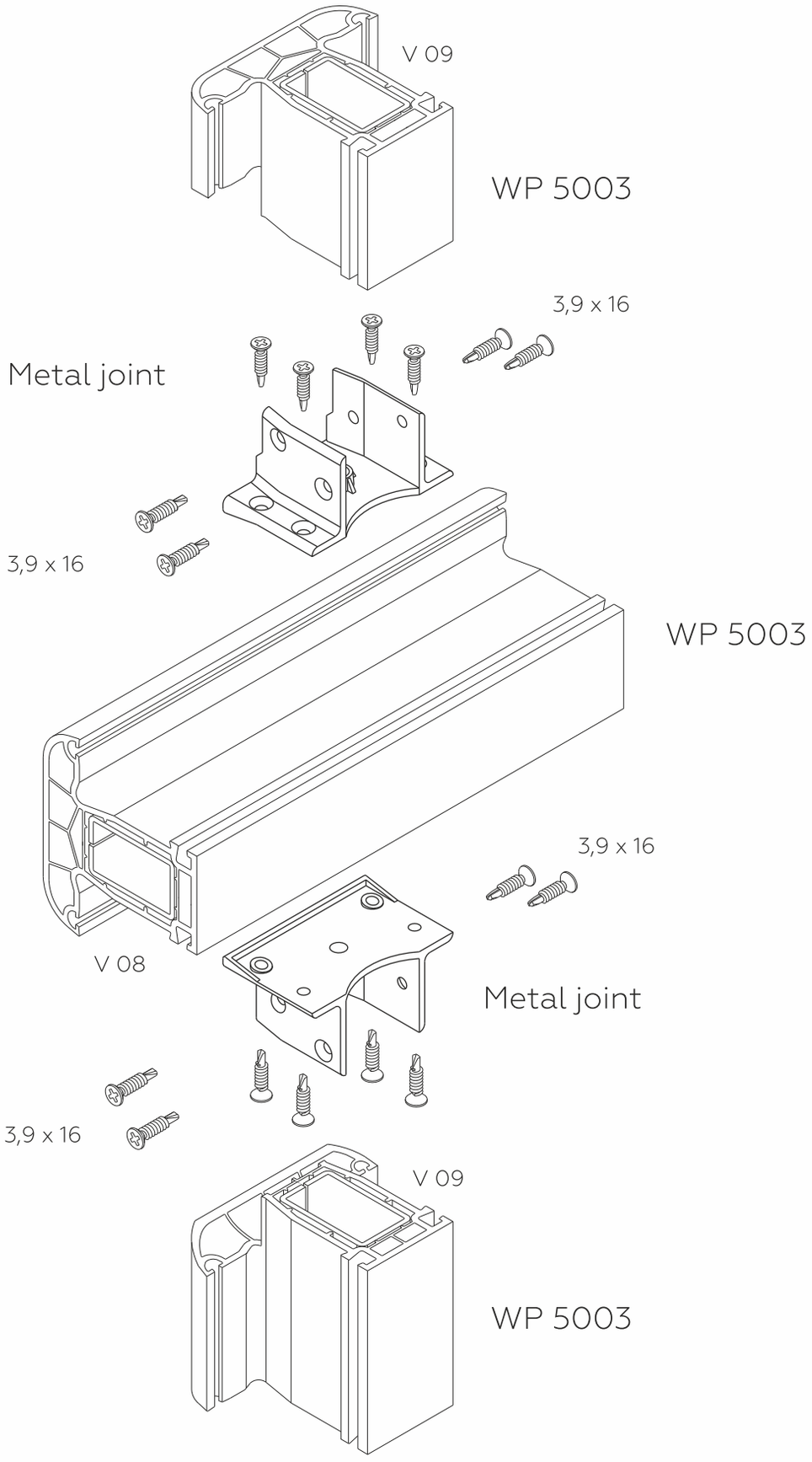
ENERGY WP 5000

Scheme Mullion - Frame



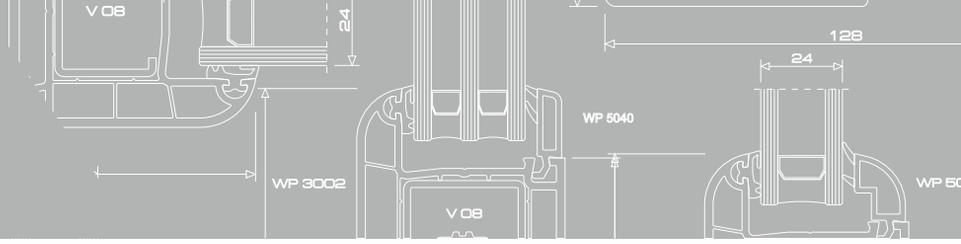


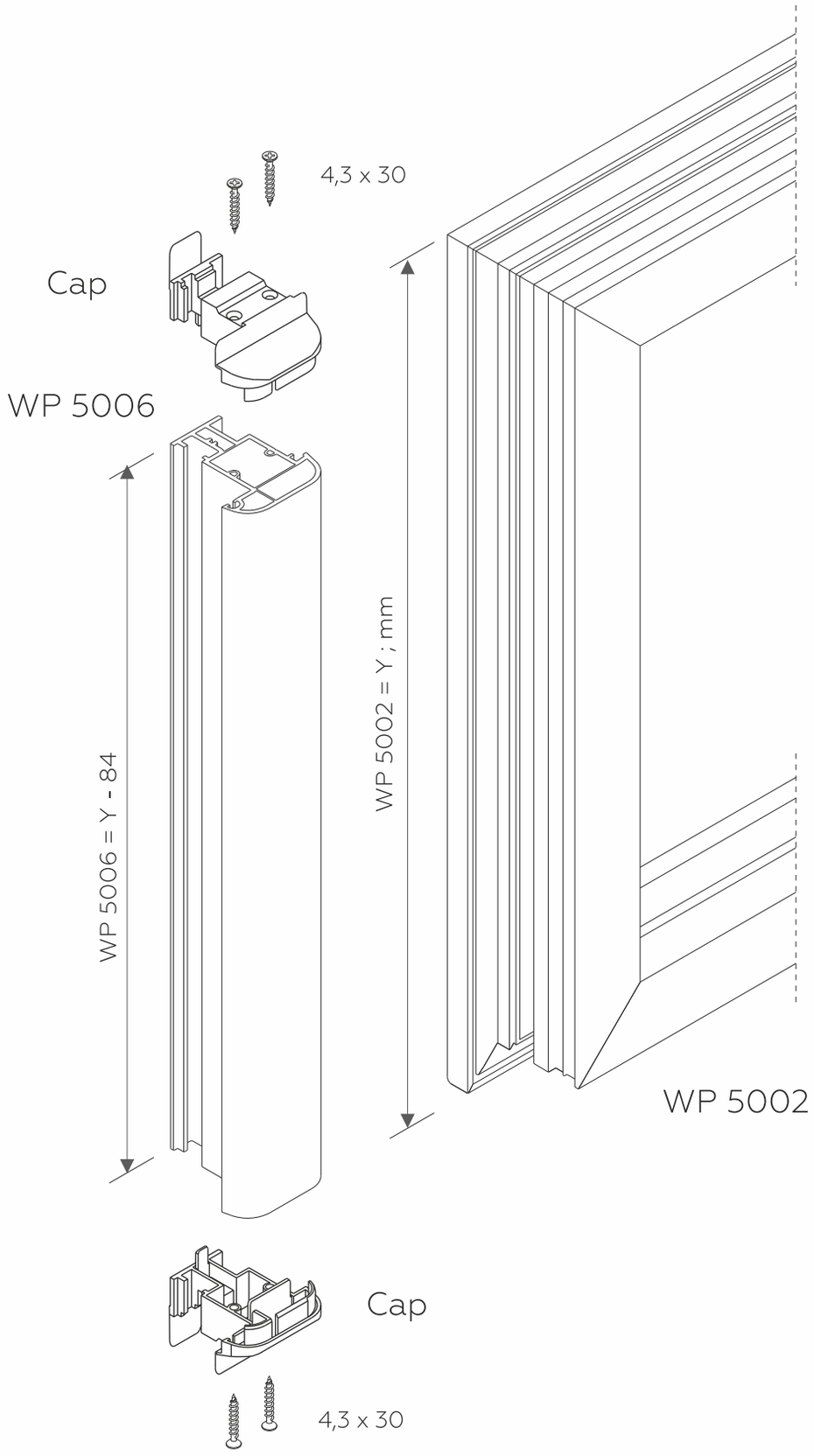

V 06
V 08
WP 4107
V 08
P 3002
128 24
WP 5030
32

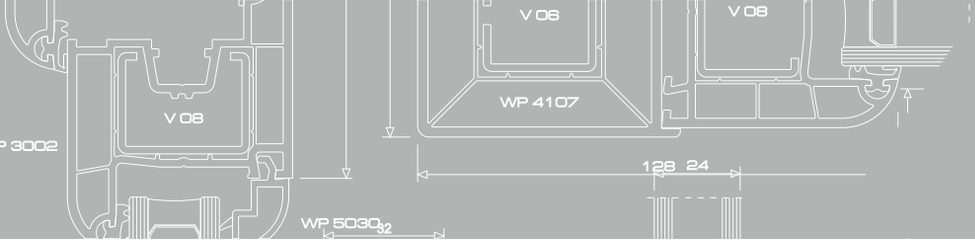

V 09
WP 5003
3,9 x 16
Metal joint
3,9 x 16
WP 5003
3,9 x 16
V 08
Metal joint
3,9 x 16
V 09
WP 5003

ENERGY WP 5000

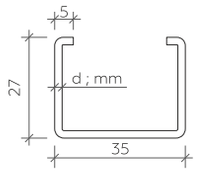
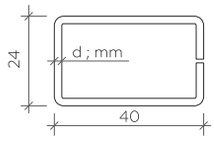
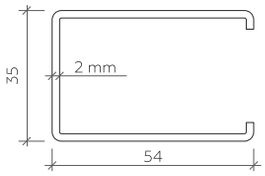
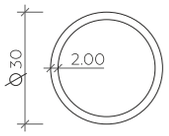
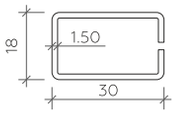
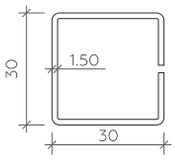
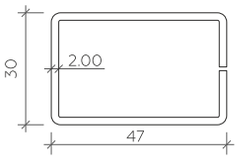
Scheme Lap joint profile

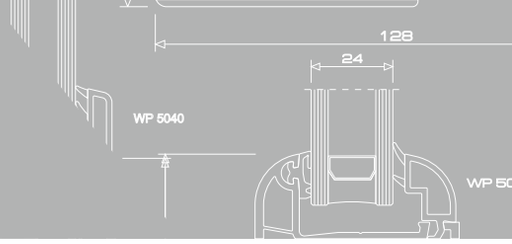


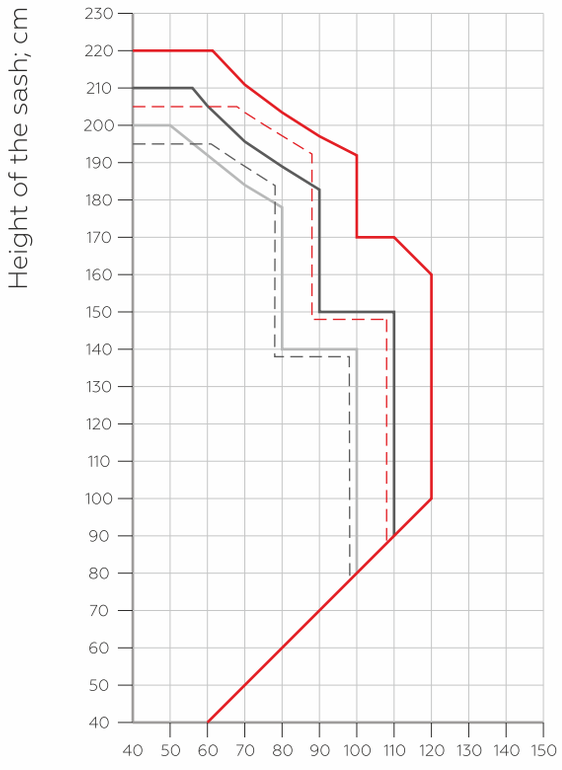




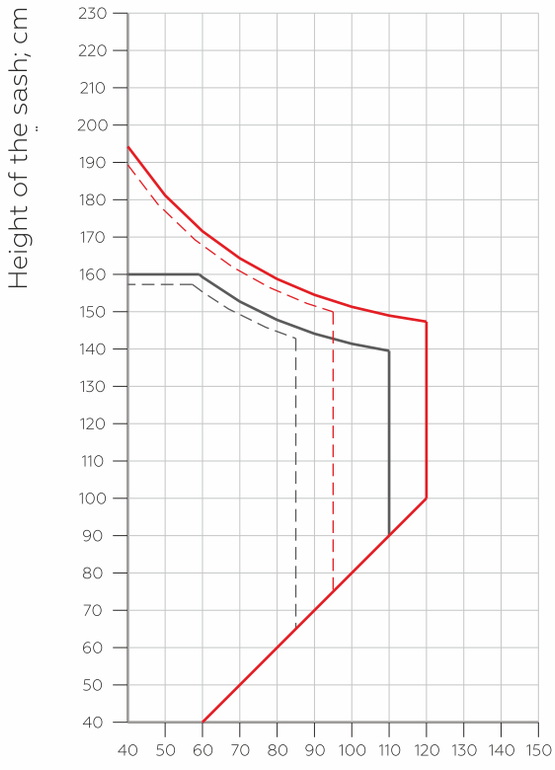
ENERGY WP 5000
Reinforcement profiles

Code	PVC profile	Reinforced profiles	y / x Inertia moment	
V 08	WP 5001 WP 5002 WP 5010 WP 5035		d = 15	I^4_x = 1, 22 cm I^4_y = 2, 80 cm
			d = 2	I^4_x = 1, 71 cm I^4_y = 3, 76 cm
V 09	WP 5003		d = 15	I^4_x = 1, 71 cm I^4_y = 3, 76 cm
			d = 2	I^4_x = 2, 14 cm I^4_y = 4, 76 cm
V 13	WP 5004 WP 5005			I^4_x = 6, 47 cm I^4_y = 9, 29 cm
V 11	WP 5011			I^4_x = 1, 73 cm I^4_y = 1, 73 cm
V 02	WP 5006			I^4_x = 0, 67 cm I^4_y = 1, 46 cm
V 06	WP 5007			I^4_x = 2, 19 cm I^4_y = 2, 25 cm
V 10	WP 5013			I^4_x = 4, 17 cm I^4_y = 8, 35 cm

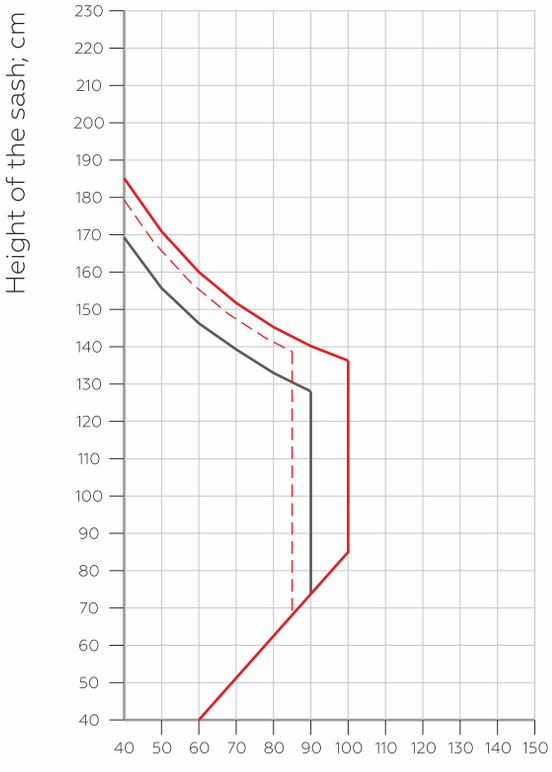




Graphic 2 Width of the sash; cm



Graphic 1 Width of the sash; cm



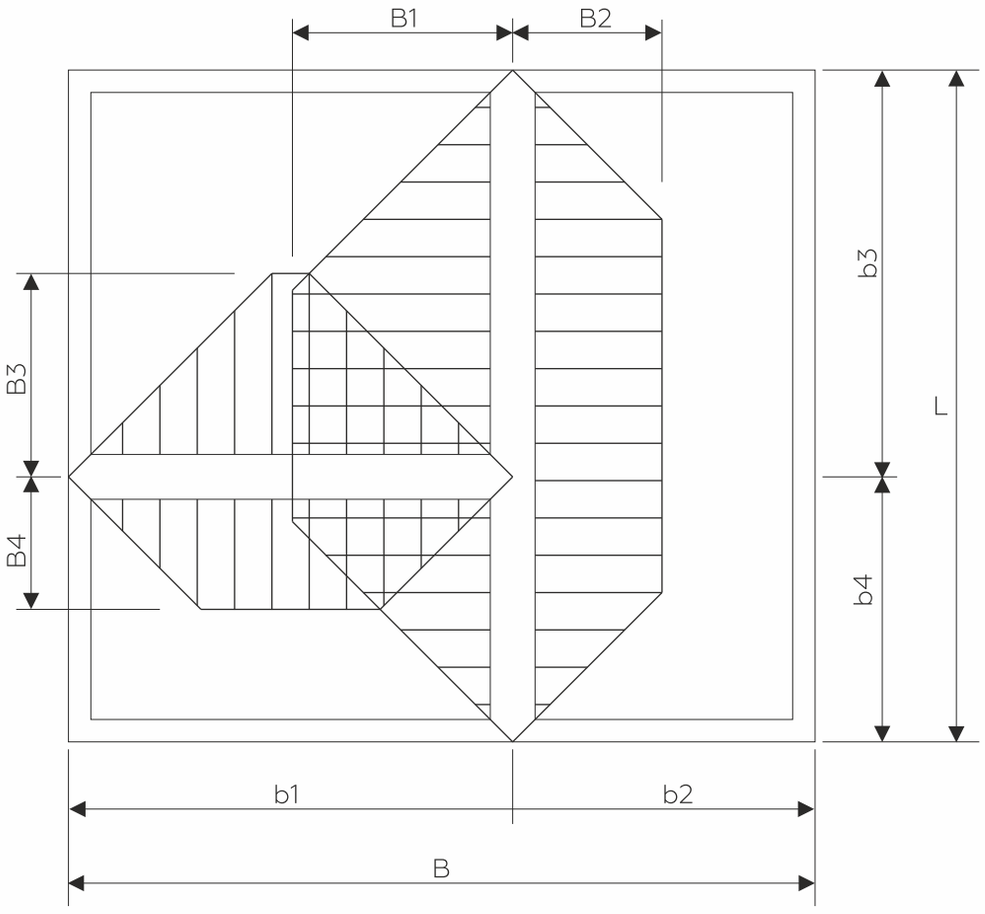
Graphic 3 Width of the sash; cm

— V08 / 2,0 mm / Ix - 1,51 cm^4 ; Iy = 3,53 cm^4
— V08 / 1,5 mm / Ix - 1,24 cm^4 ; Iy = 2,80 cm^4
— V08 / 1,2 mm / Ix - 1,02 cm^4 ; Iy = 2,32 cm^4

Calculating the moment of inertia

$$I_H = \frac{W \cdot L^4 \cdot B/2}{1920 \cdot E \cdot f} \left[25 - 40 \left(\frac{B}{L}\right)^2 + 16 \left(\frac{B}{L}\right)^4 \right] ; cm^4$$

The graphics for choosing reinforcement profiles for laminated profiles are with dotted line.



$$I_H = \frac{W \cdot L^4 \cdot B/2}{1920 \cdot E \cdot f}\left[25 - 40\left(\frac{B}{L}\right)^2 + 16\left(\frac{B}{L}\right)^4\right]; \text{ cm}^4$$

W- Wind pressure N/mm²

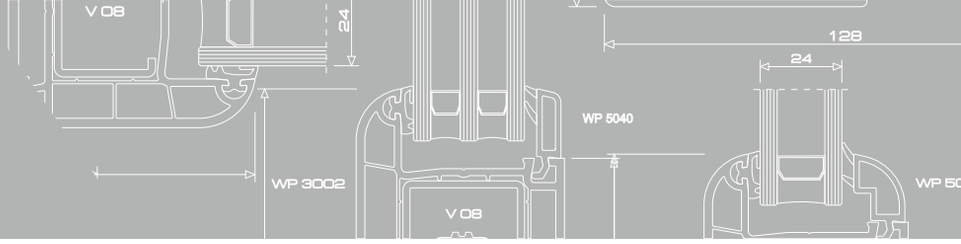
Height of the building 0-8m: W = 600 Pa
W=0,0006 N/mm²

Height of the building 8-20m: W = 960 Pa
W=0,0096 N/mm²

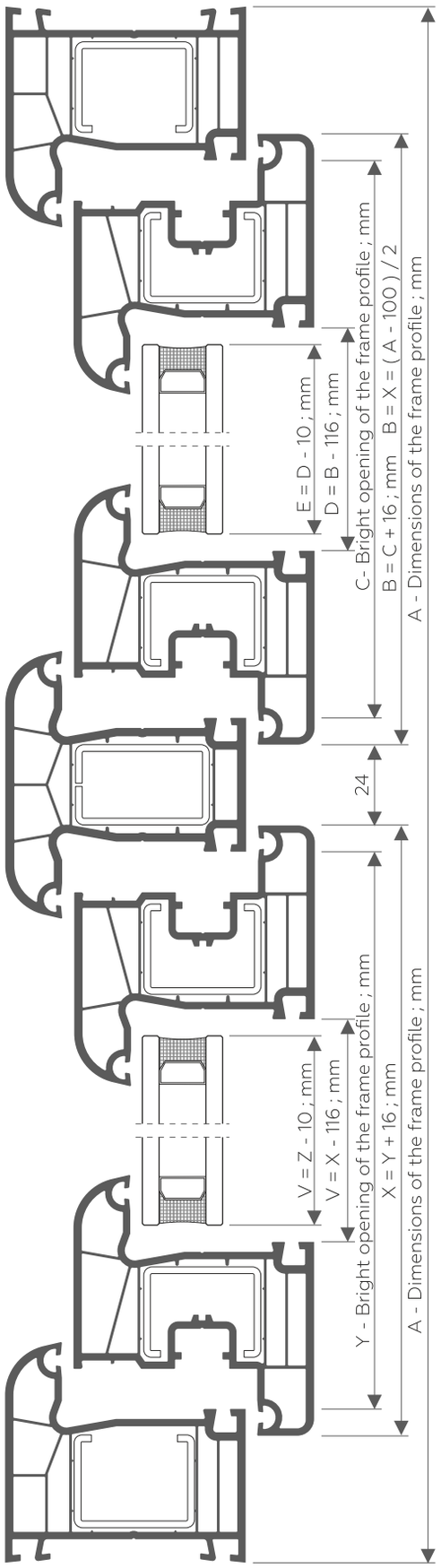
Height of the building 20-100m: **W** = 1320 Pa
W=0,00132 N/mm²

Height of the building 20-100m: **W** = 1320 Pa
W=0,00132 N/mm²

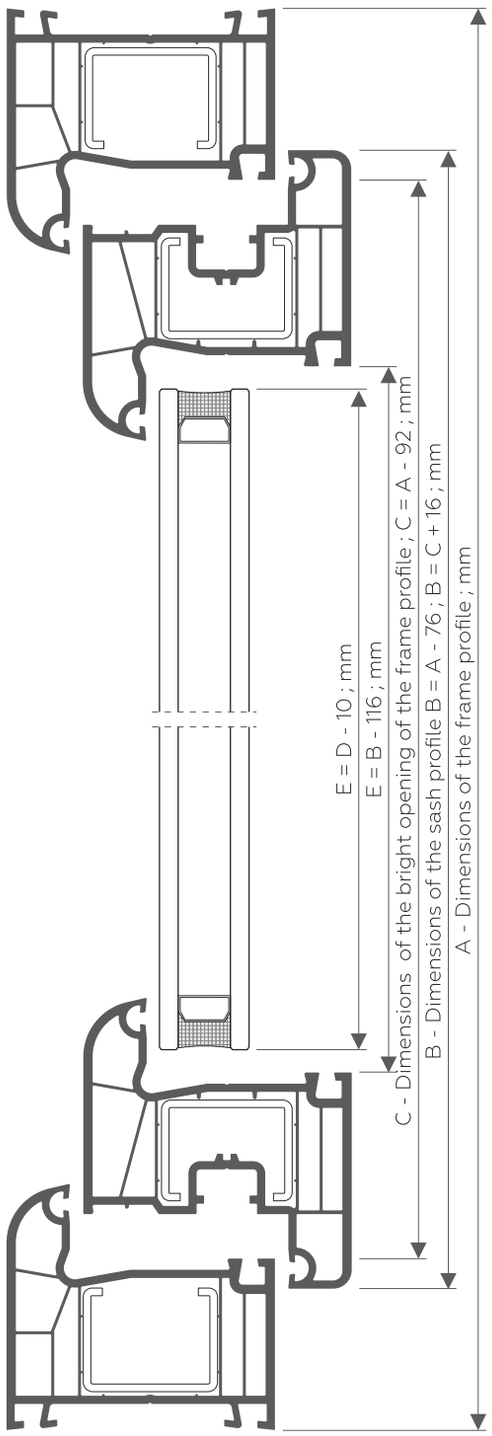
L - Height; cm
B - Width; cm
E - Elasticy module
E_{steal}=210 000 N/mm²
$E_{aluminium}$=70 000 N/mm²
f- Slack eligibility (f=L/300; f<0,8 cm)

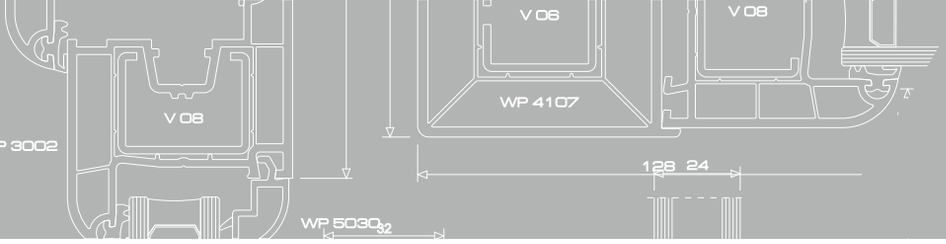


Double opening window with mullion

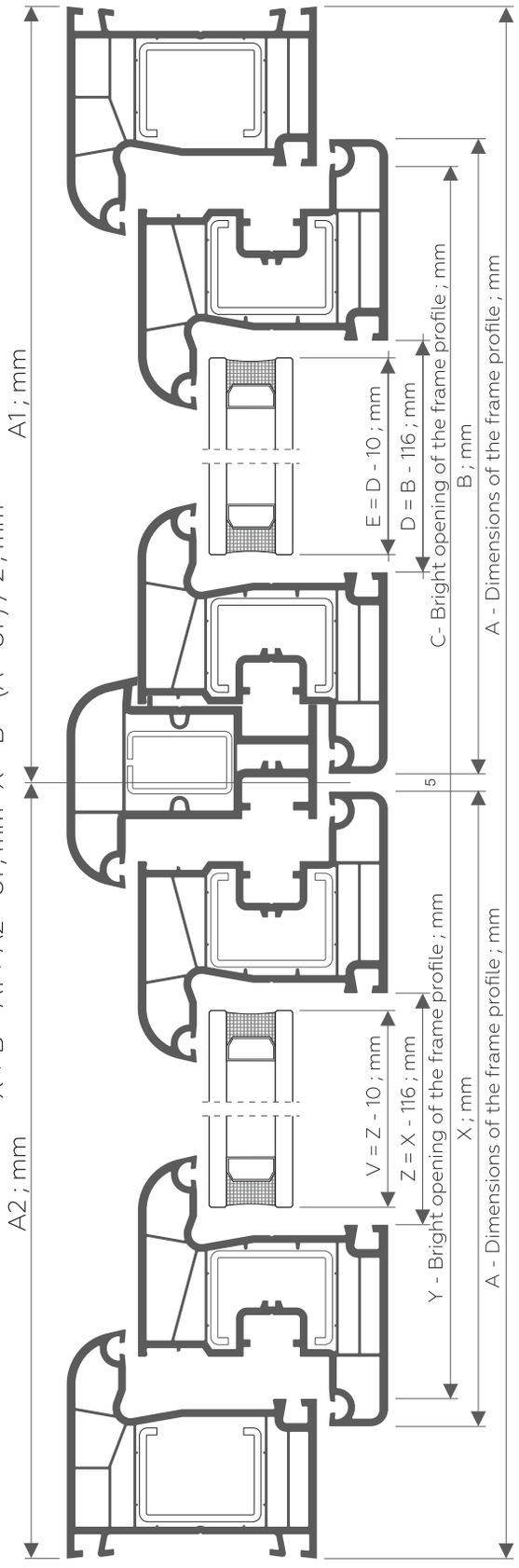


A single opening window

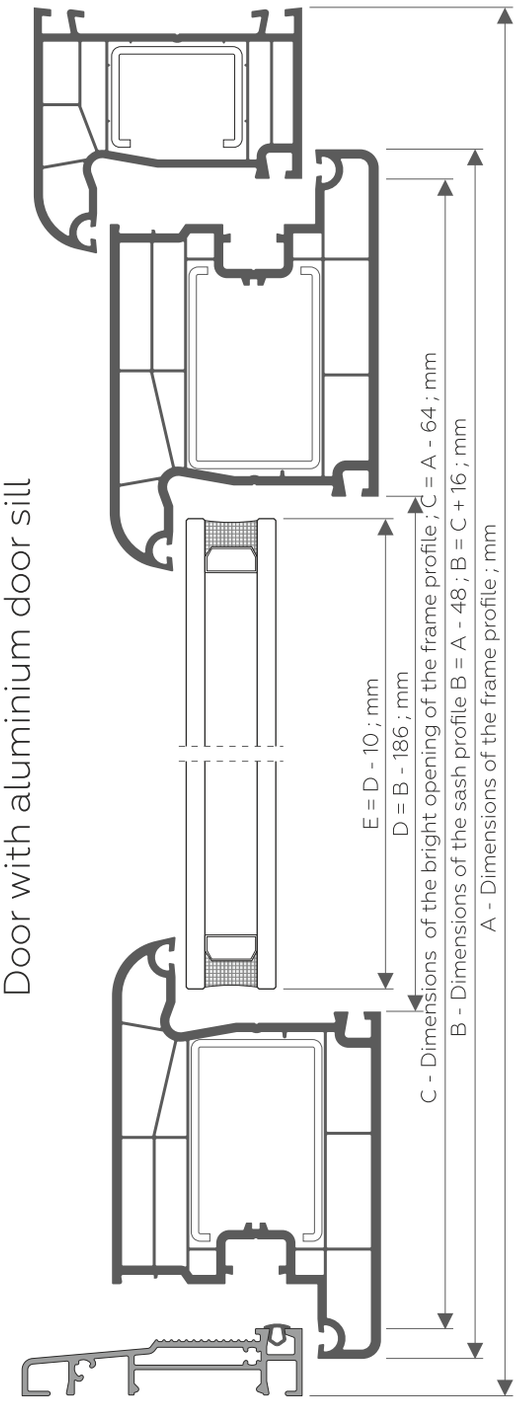




Double opening window with a lap joint profile

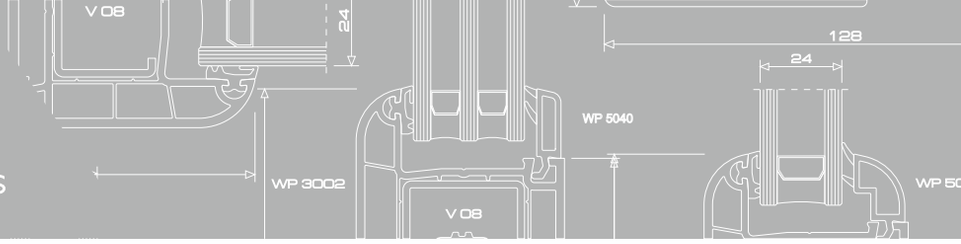


Door with aluminium door sill



ENERGY WP 5000

Profiles with laminate and arcs



Light walnut

Dark walnut

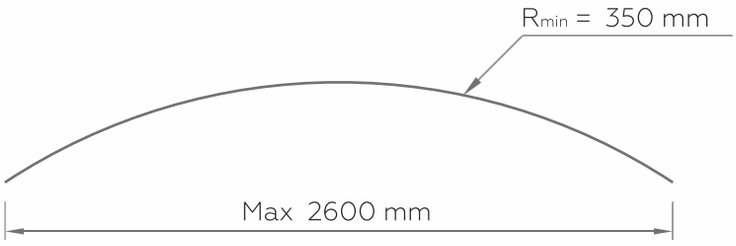
Cherry

Golden oak

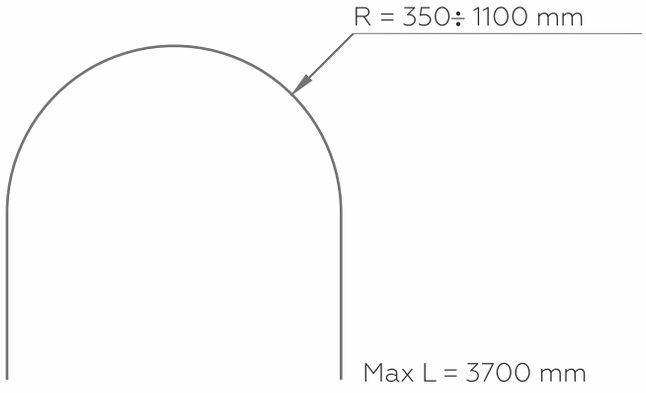
Dark oak

Mahogany

Arcs:
Minimum radios of the arc: 350mm.
Maximum radios: 2860mm.
Maximum length of the chord: 2000 mm.



Semicircles:
Minimum radios of the semicircle: 350mm.
Maximum radios: 880mm.
Maximum length of the curve together with the two verticals: 3700 mm.



Head office: 8 Iliensko Shouse str., 1220 Sofia, Bulgaria, Tel: + 359 2/9360093, Fax + 359 2/9360897

www.weissprofil.bg office@weissprofil.bg