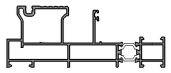
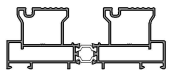
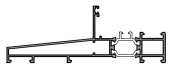
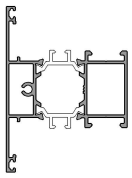
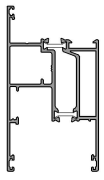
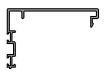
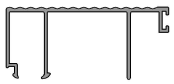


HLS-132

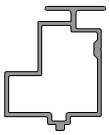
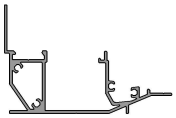
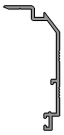
TABLES

LIST OF PROFILES

OVERVIEW OF PROFILES

DRAWING	CODE	WEIGHT (g/m)	DESCRIPTION	STATIC VALUE Ix (cm^4) / Iy(cm^4)
	603 - 104	2,384	MONO RAIL FRAME PROFILE	135.4 / 17.1
	601 - 602	2,756	DOUBLE RAIL FRAME PROFILE	160 / 27.2
	601 - 604 - 602	4,076	TRIPLE RAIL FRAME PROFILE	40 / 550
	605 - 104	1,680	25mm FRAME PROFILE	87.5 / 5
	502 - 521	1,428	38mm MULLION PROFILE	21.2 / 13.5
	611 - 612	2,294	LIFT & SLIDE SASH PROFILE	37 / 54.6
	641	646	INTERLOCK PROFILE	16 / 3
	642	681	COVER PROFILE	2.1 / 13.4

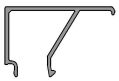
OVERVIEW OF PROFILES

DRAWING	CODE	WEIGHT (g/m)	DESCRIPTION	STATIC VALUE Ix (cm^4) / Iy(cm^4)
	631	1,207	DOUBLE SASH ADAPTOR PROFILE	19.4 / 8.8
	643	1,248	SILL EXTENSION PROFILE	7.3 / 35.4
	20068	130	ALUMINUM RAIL PROFILE	0.2 / 0.01
	141	330	BORDER PROFILE	
	401	319	BORDER PROFILE	
	404	317	BORDER PROFILE	

GLAZING BEAD PROFILES

DRAWING	CODE	WEIGHT (g/m)	DESCRIPTION	STATIC VALUE Ix (cm^4) / Iy(cm^4)
	G01	259	16.5mm GLAZING BEAD PROFILE	
	G02	265	18.5mm GLAZING BEAD PROFILE	
	G03	270	20.5mm GLAZING BEAD PROFILE	
	G04	278	22.5mm GLAZING BEAD PROFILE	
	G05	286	24.5mm GLAZING BEAD PROFILE	
	G06	292	26.5mm GLAZING BEAD PROFILE	
	G07	300	28.5mm GLAZING BEAD PROFILE	
	G08	305	30.5mm GLAZING BEAD PROFILE	

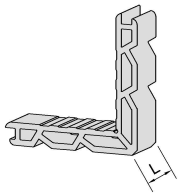
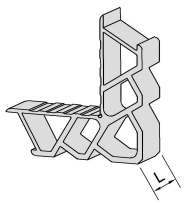
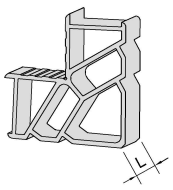
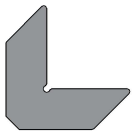
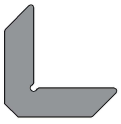
GLAZING BEAD PROFILES

DRAWING	CODE	WEIGHT (g/m)	DESCRIPTION	STATIC VALUE Ix (cm^4) / Iy(cm^4)
	G09	316	32.5mm GLAZING BEAD PROFILE	
	G10	370	41.5mm GLAZING BEAD PROFILE	

GASKETS

DRAWING	CODE	MATERIAL	DESCRIPTION	PACKAGING
	MO68	EPDM	EXTERIOR GLAZING GASKET (h: 3-4 mm)	15 kg
	B900	EPDM	INTERIOR GLAZING GASKET (h: 4-5 mm)	15 kg
	Z-GASKET-01	EPDM	CHANNEL CLOSING GASKET	15 kg
	01.18.23	EPDM	SASH GASKET	15 kg
	B817	EPDM	INTERLOCK GASKET FOR SASH	15 kg
	PB7-3P-67-650	Polypropylene	BRUSH GASKET	400 m
	UT77	PVC	PVC U CHANNEL FOR FRAME	3 m

ACCESSORIES

DRAWING	CODE	MATERIAL	DESCRIPTION	PACKAGING
	C117	ALUMINUM	PC605 L: 12 mm (use with 605)	50 pieces
			PC104 L: 17.5 mm (use with 104)	
			PC603-a L: 37 mm (use with 603)	
			PC603-b L: 38.5 mm (use with 603)	
			PC601 , PC602 L: 41.5 mm (use with 601 , 602)	
			PC604 L: 50.5 mm (use with 604)	
	C248	ALUMINUM	PC611 L: 20.5 mm (use with 611)	50 pieces
	C428	ALUMINUM	PC612 L: 10.5 mm (use with 612)	50 pieces
	FUJI 2000	ALUMINUM	SASH and FRAME CORNER JOINT	500 pieces
	FUJI 2013	ALUMINUM	BORDER PROFILE CORNER JOINT	500 pieces
	MO 19	ALUMINUM	BORDER PROFILE CORNER JOINT	500 pieces

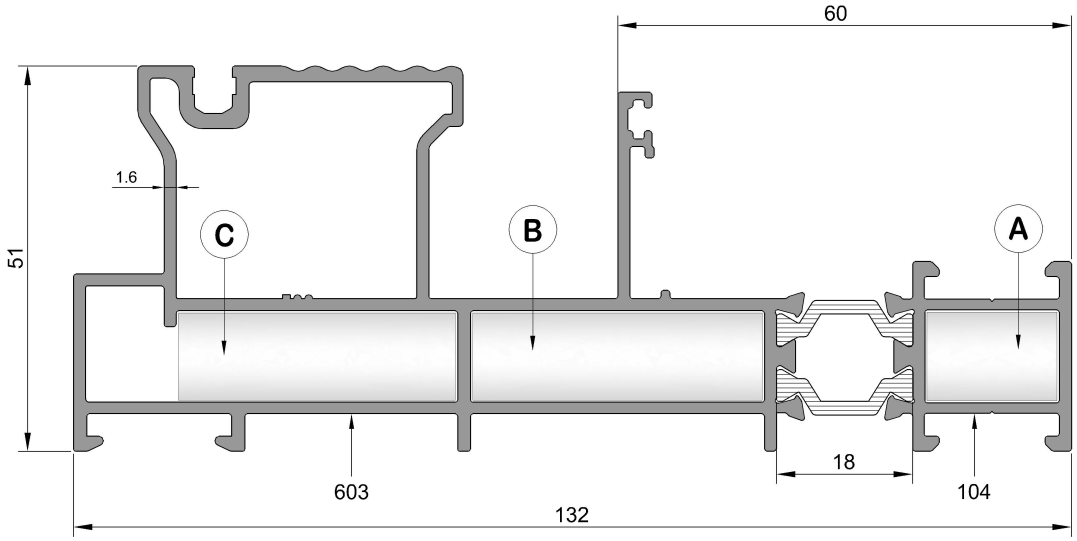
PROFILES

DRAWINGS

FULL SCALE SECTIONS

STATICAL VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	603 - 104	2,384 g/m
135.4	17.1		

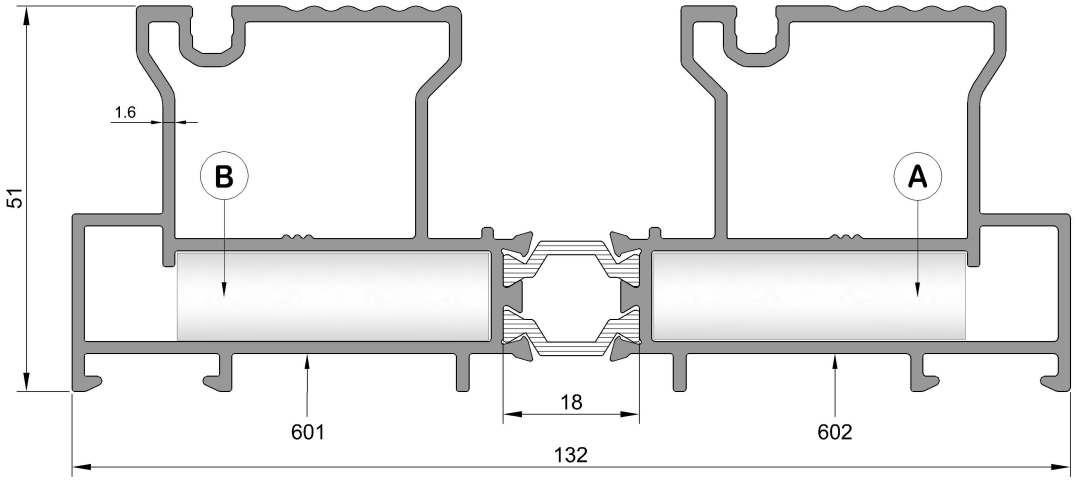
CORNER CLEATS	A	B	C
	C117 Length:17.5mm	C117 Length:38.5mm	C117 Length:37mm



FULL SCALE SECTIONS

STATICAL VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	601 - 602	2,756 g/m
160	27.2		

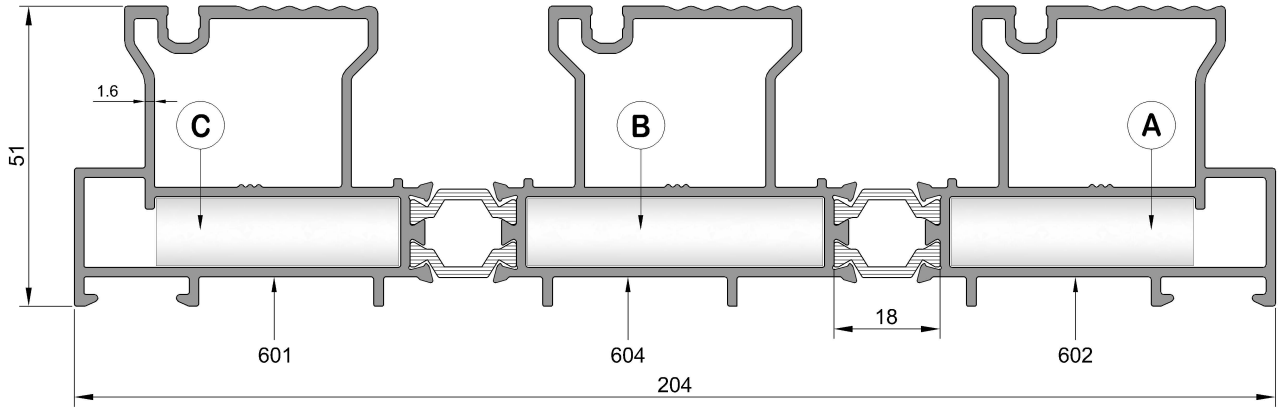
CORNER CLEATS	A	B
	C117 Length:41.5mm	C117 Length:41.5mm



FULL SCALE SECTIONS

STATICAL VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	601 - 604 - 602	4,076 g/m
40	550		

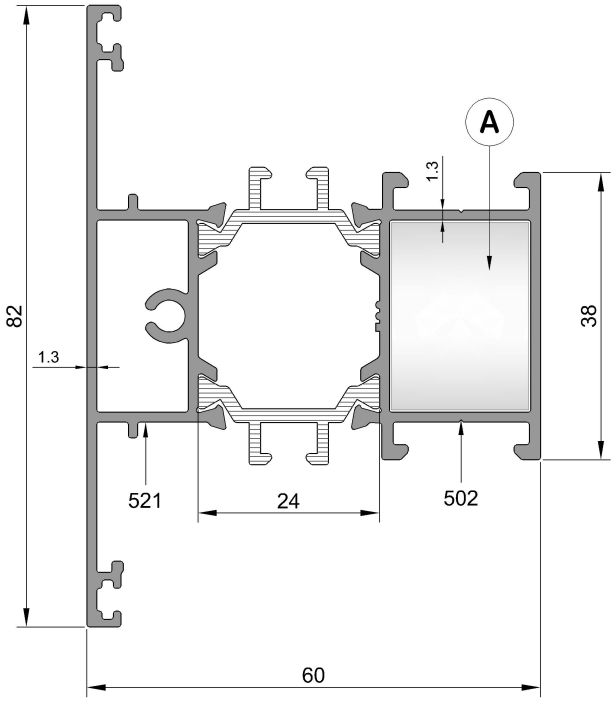
CORNER CLEATS	A	B	C
	C117 Length:41.5mm	C117 Length:50.5mm	C117 Length:41.5mm



FULL SCALE SECTIONS

STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	605 - 104	1,680 g/m
87.5	5		

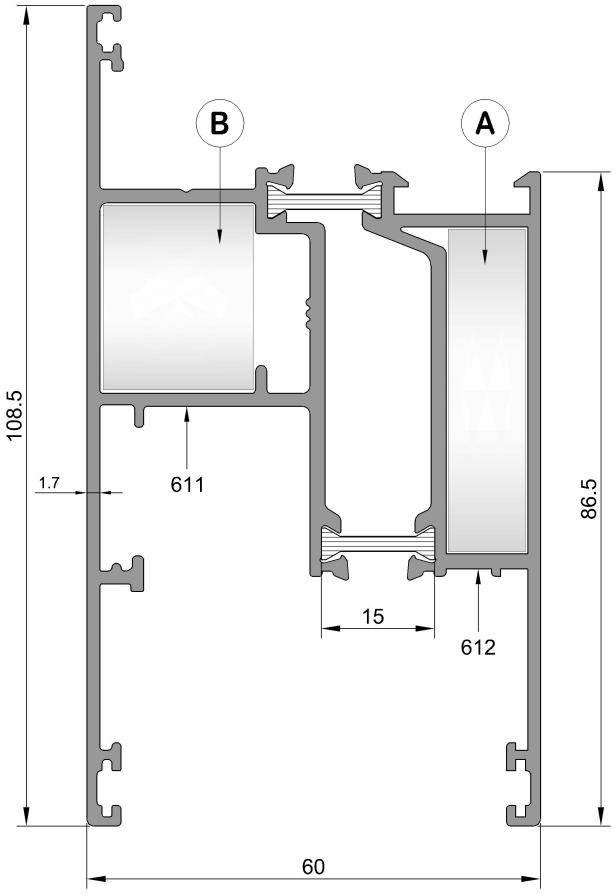
CORNER CLEATS	A	B
	C117 Length:17.5mm	C117 Length:12mm



STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	502 - 521	1,428 g/m
21.2	13.5		

T JOINT	A
	C2 Length:25mm

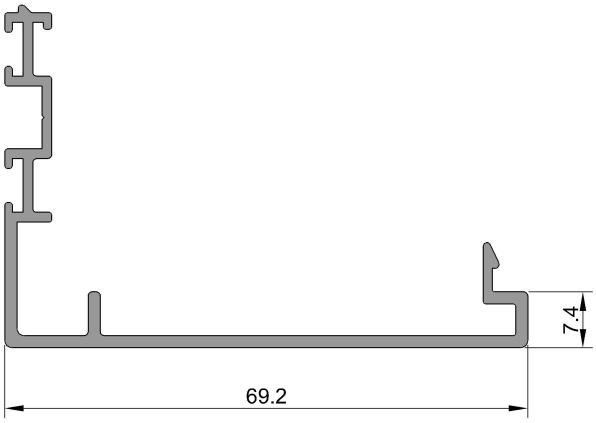
FULL SCALE SECTIONS



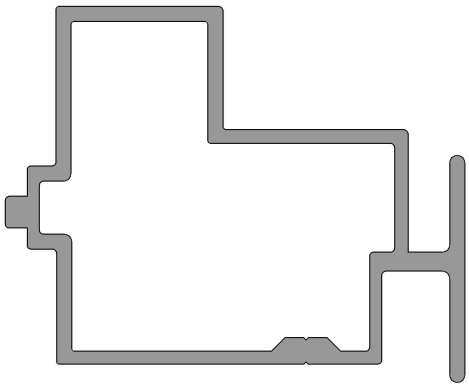
STATIC VALUE		PROFILE CODE	Weight (g/m)
Ix (cm4)	Iy (cm4)	611 - 612	2,294 g/m
37	54.6		

CORNER CLEATS	A	B
	C428 Length:10.5mm	C248 Length:20.5mm

PROFILE CODE	Weight (kg/mt)
641	646 g/m

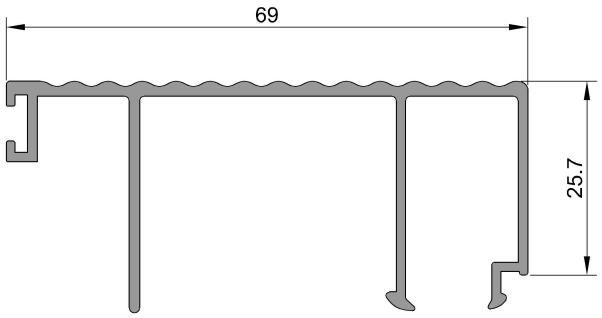


PROFILE CODE	Weight (kg/mt)
631	1,207 g/m

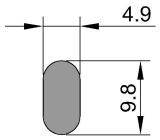


FULL SCALE SECTIONS

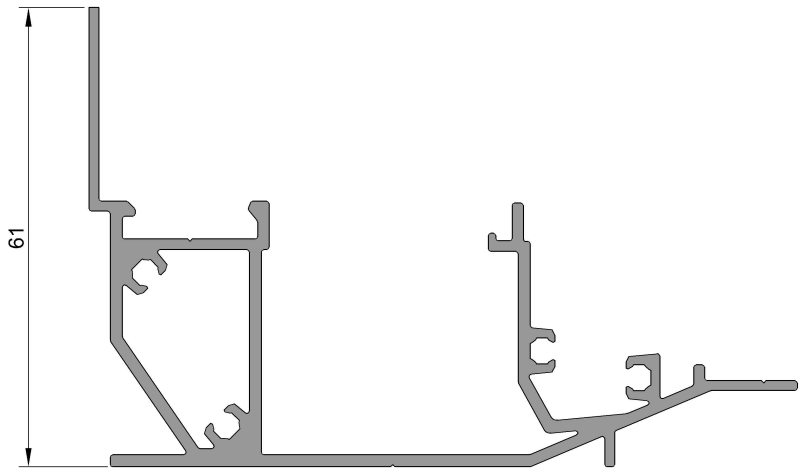
PROFILE CODE	Weight (kg/mt)
642	681 g/m



PROFILE CODE	Weight (kg/mt)
20068	130 g/m



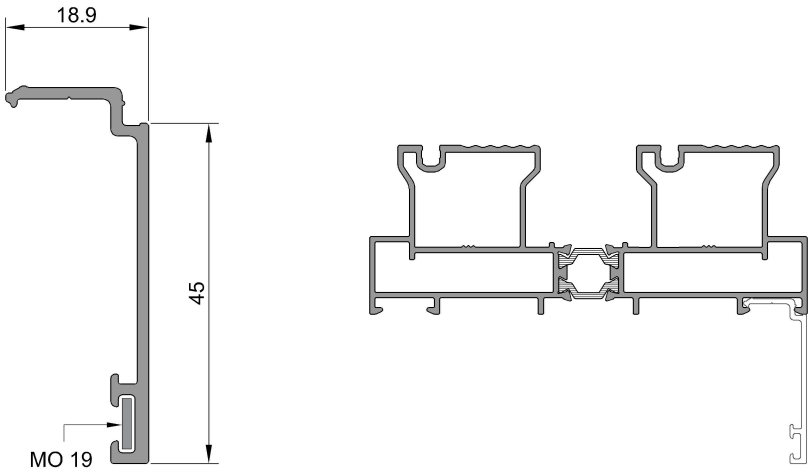
PROFILE CODE	Weight (kg/mt)
643	1,248 g/m



FULL SCALE SECTIONS

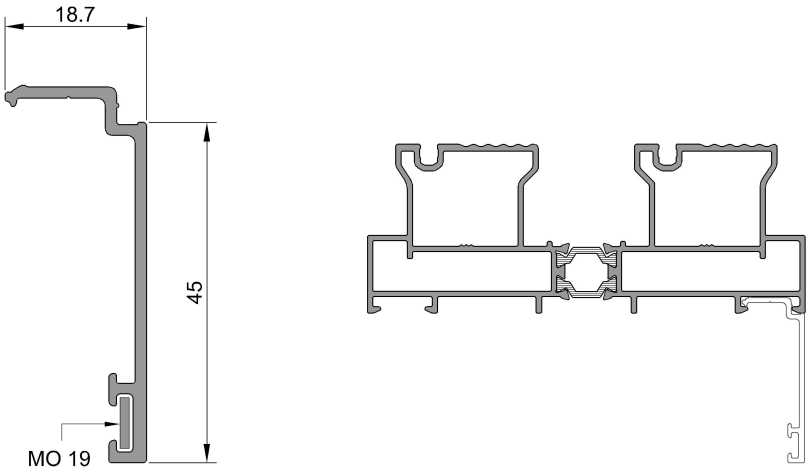
Architrave Profile

PROFILE CODE	Weight (kg/mt)
401	319 g/m



Architrave Profile

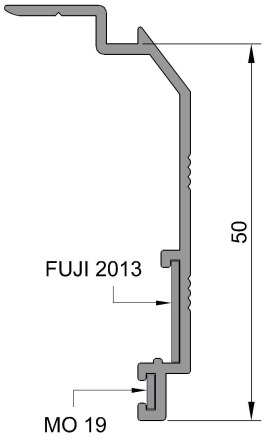
PROFILE CODE	Weight (kg/mt)
404	317 g/m

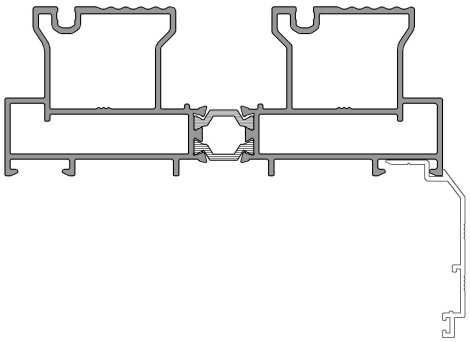


FULL SCALE SECTIONS

Architrave Profile

PROFILE CODE	Weight (kg/mt)
141	330 g/m



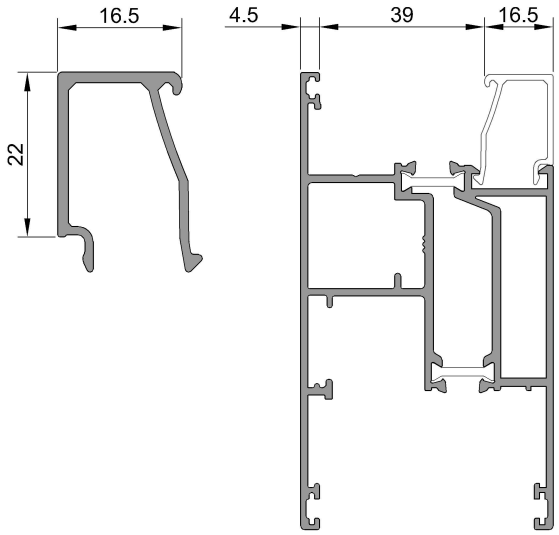


GLAZING OPTIONS

GLAZING BEAD PROFILES

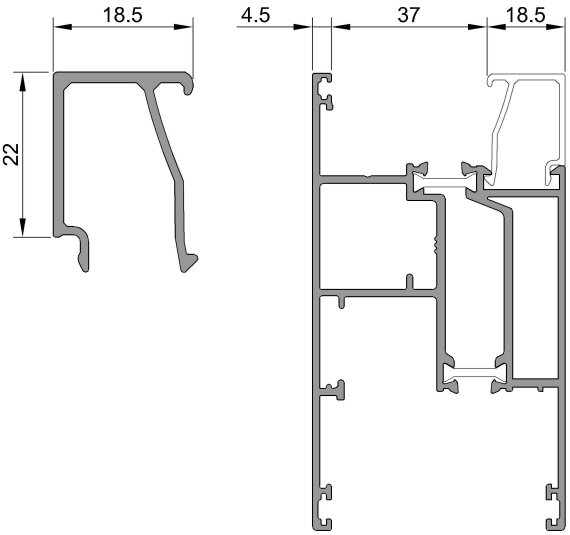
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G01	259 g/m



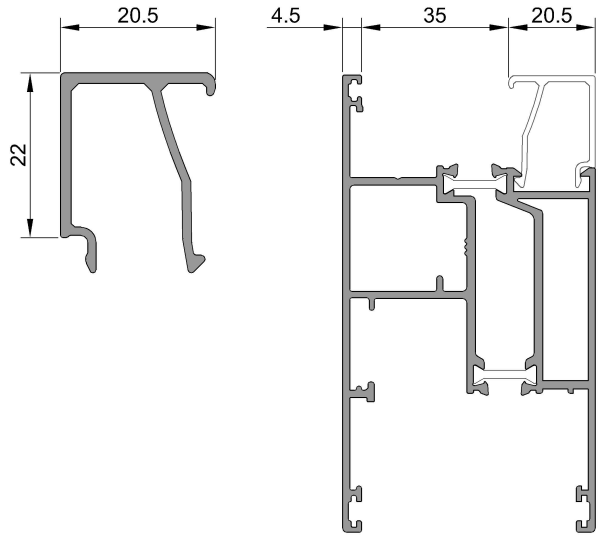
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G02	265 g/m



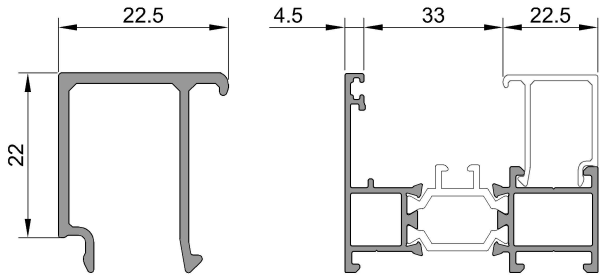
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G03	270 g/m



GLAZING BEAD PROFILE

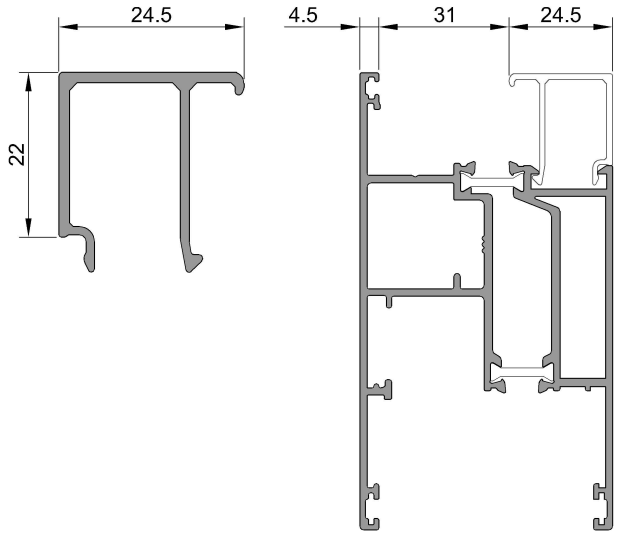
PROFILE CODE	Weight (g/m)
G04	278 g/m



GLAZING BEAD PROFILES

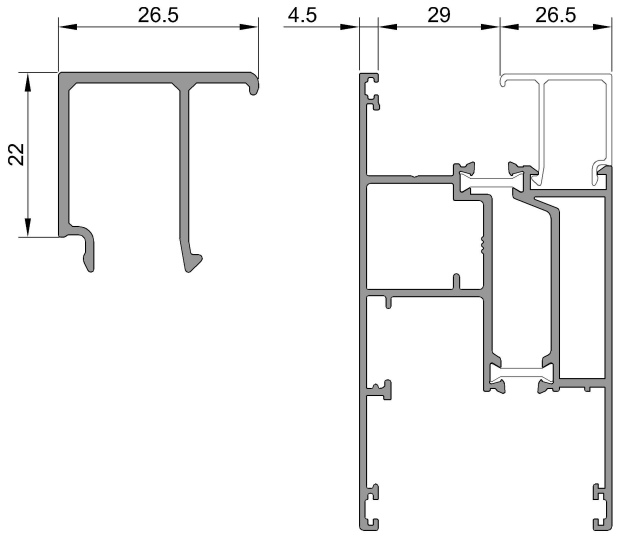
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G05	286 g/m



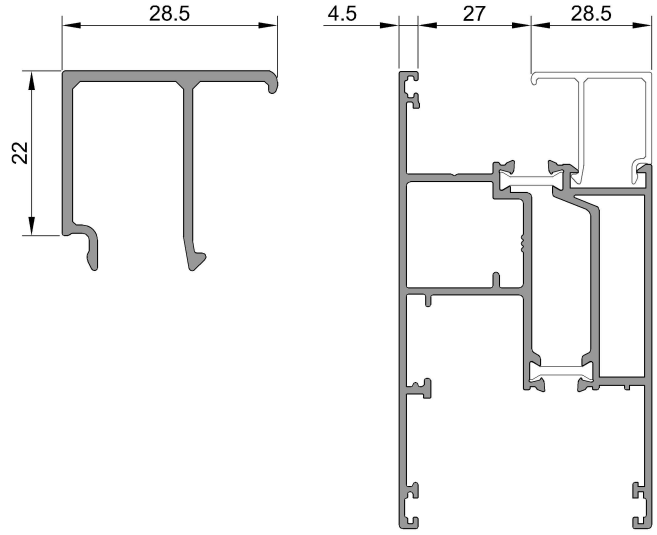
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G06	292 g/m



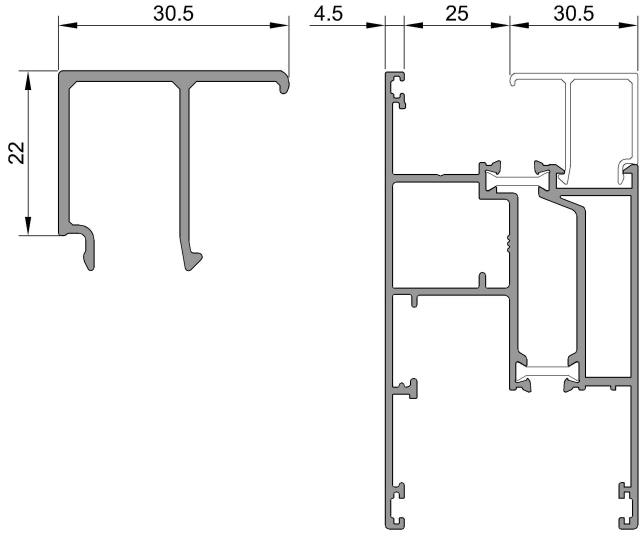
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G07	300 g/m



GLAZING BEAD PROFILE

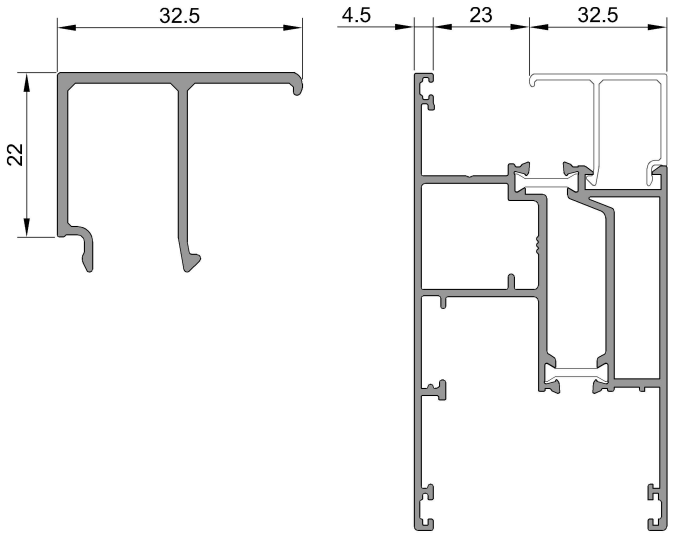
PROFILE CODE	Weight (g/m)
G08	305 g/m



GLAZING BEAD PROFILES

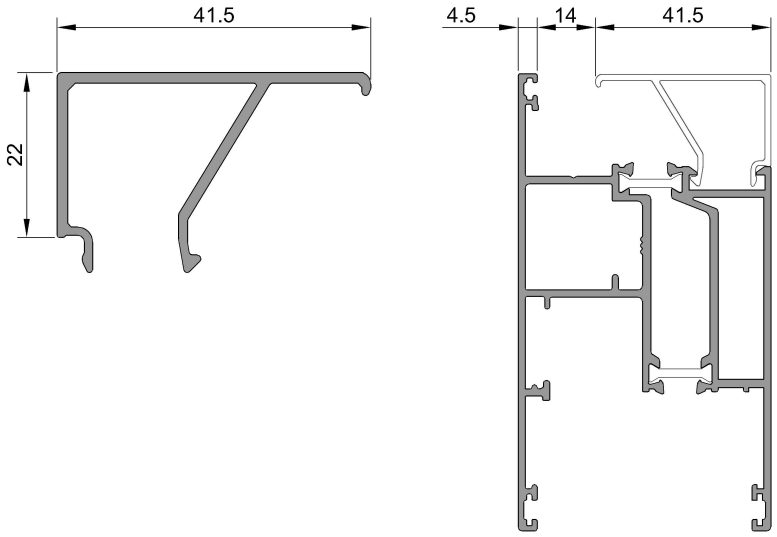
GLAZING BEAD PROFILE

PROFILE CODE	Weight (g/m)
G09	316 g/m

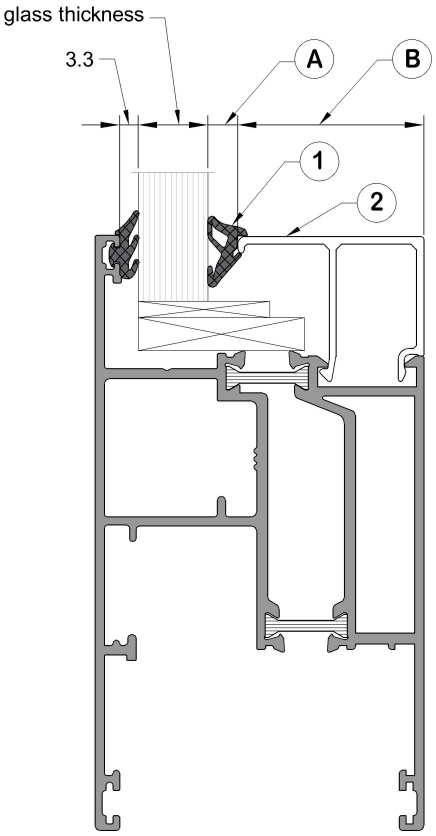


GLAZING BEAD PROFILE

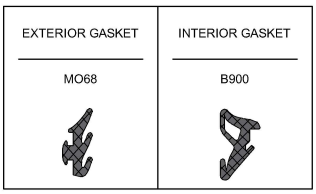
PROFILE CODE	Weight (g/m)
G10	370 g/m



GLAZING DIAGRAM



GLASS THICKNESS	GASKET		GLAZING BEAD	
	GAP	CODE	LENGTH	CODE
	A	1	B	2
30 mm	5.7 mm	B900	16.5 mm	G01
28 mm	5.7 mm	B900	18.5 mm	G02
26 mm	5.7 mm	B900	20.5 mm	G03
24 mm	5.7 mm	B900	22.5 mm	G04
22 mm	5.7 mm	B900	24.5 mm	G05
20 mm	5.7 mm	B900	26.5 mm	G06
18 mm	5.7 mm	B900	28.5 mm	G07
16 mm	5.7 mm	B900	30.5 mm	G08
14 mm	5.7 mm	B900	32.5 mm	G09
5 mm	5.7 mm	B900	41.5 mm	G10



SECTIONS

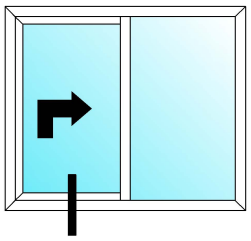
DETAILS

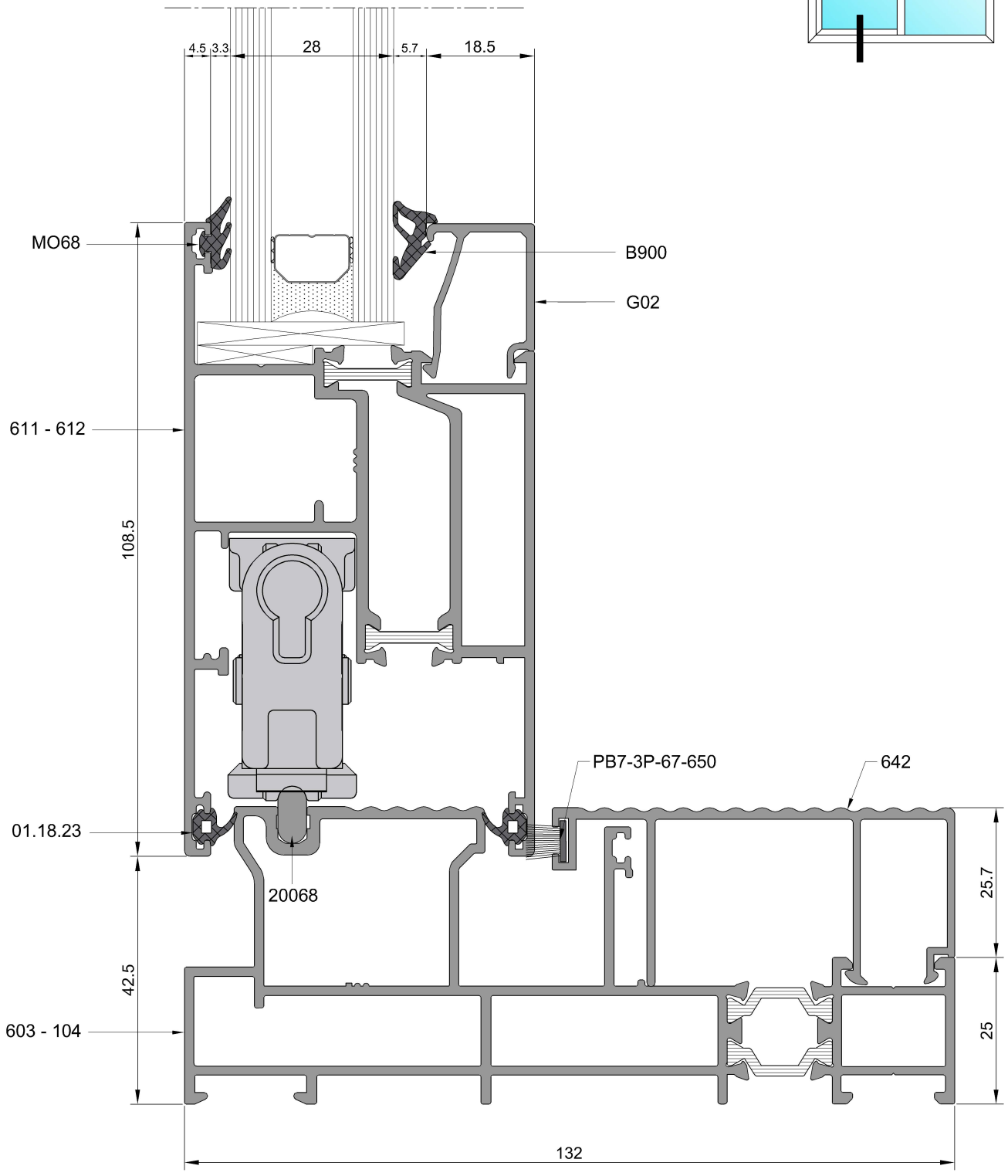
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Aluminum Profile Systems

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Lift & Slide





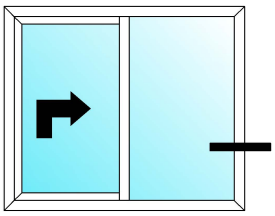
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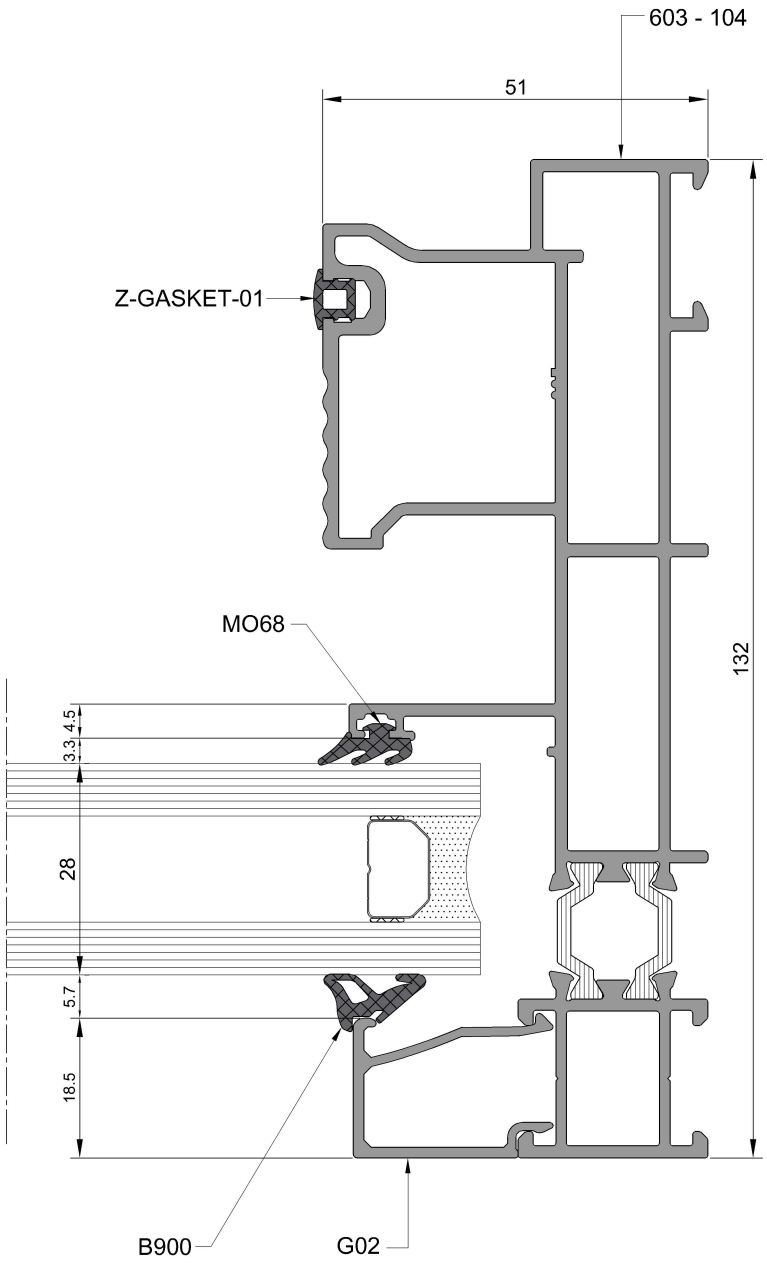
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Aluminum Profile Systems

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Lift & Slide





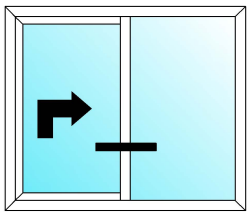
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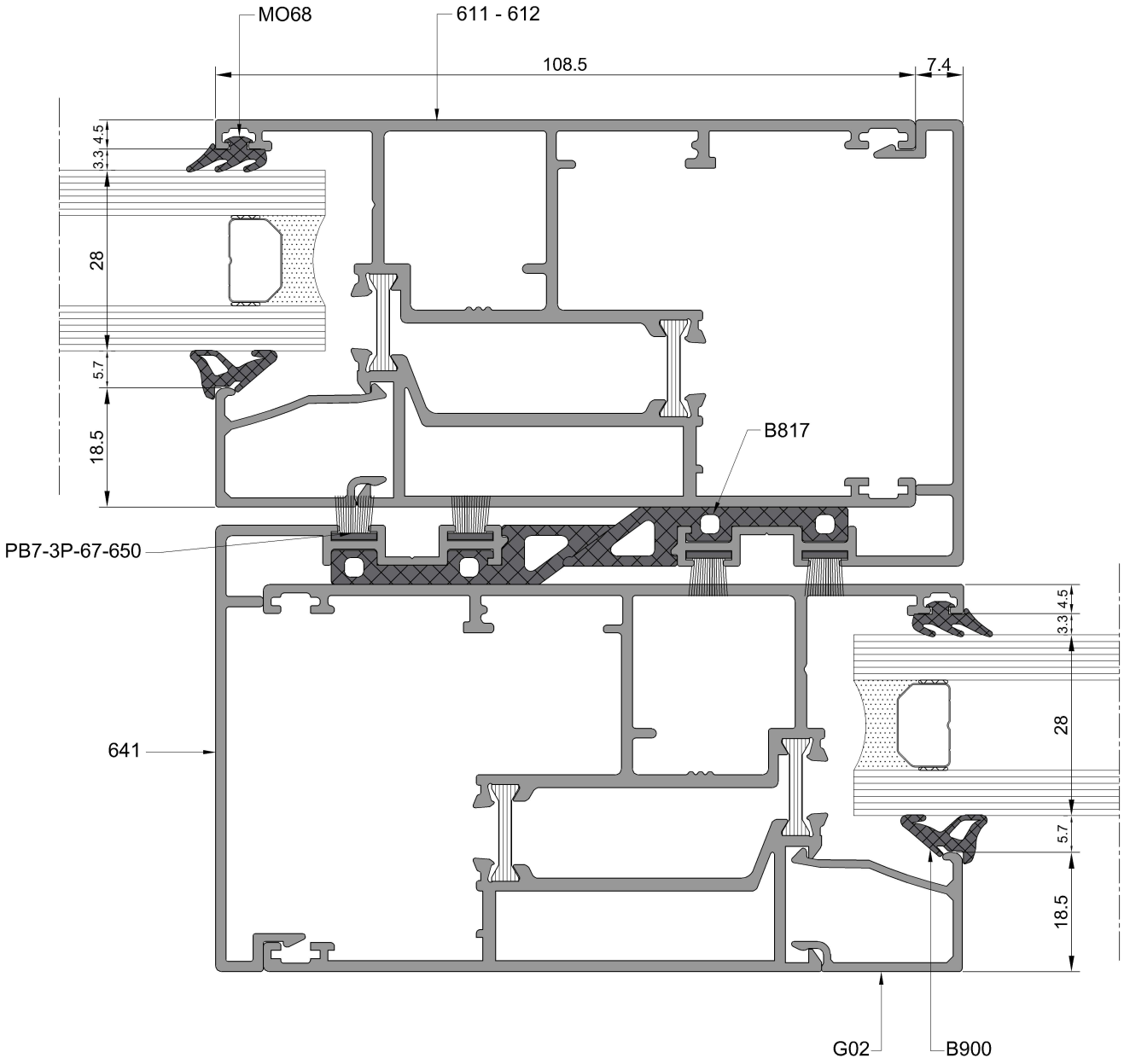
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Lift & Slide





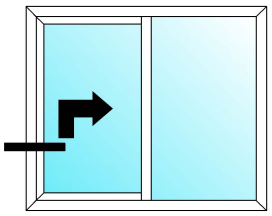
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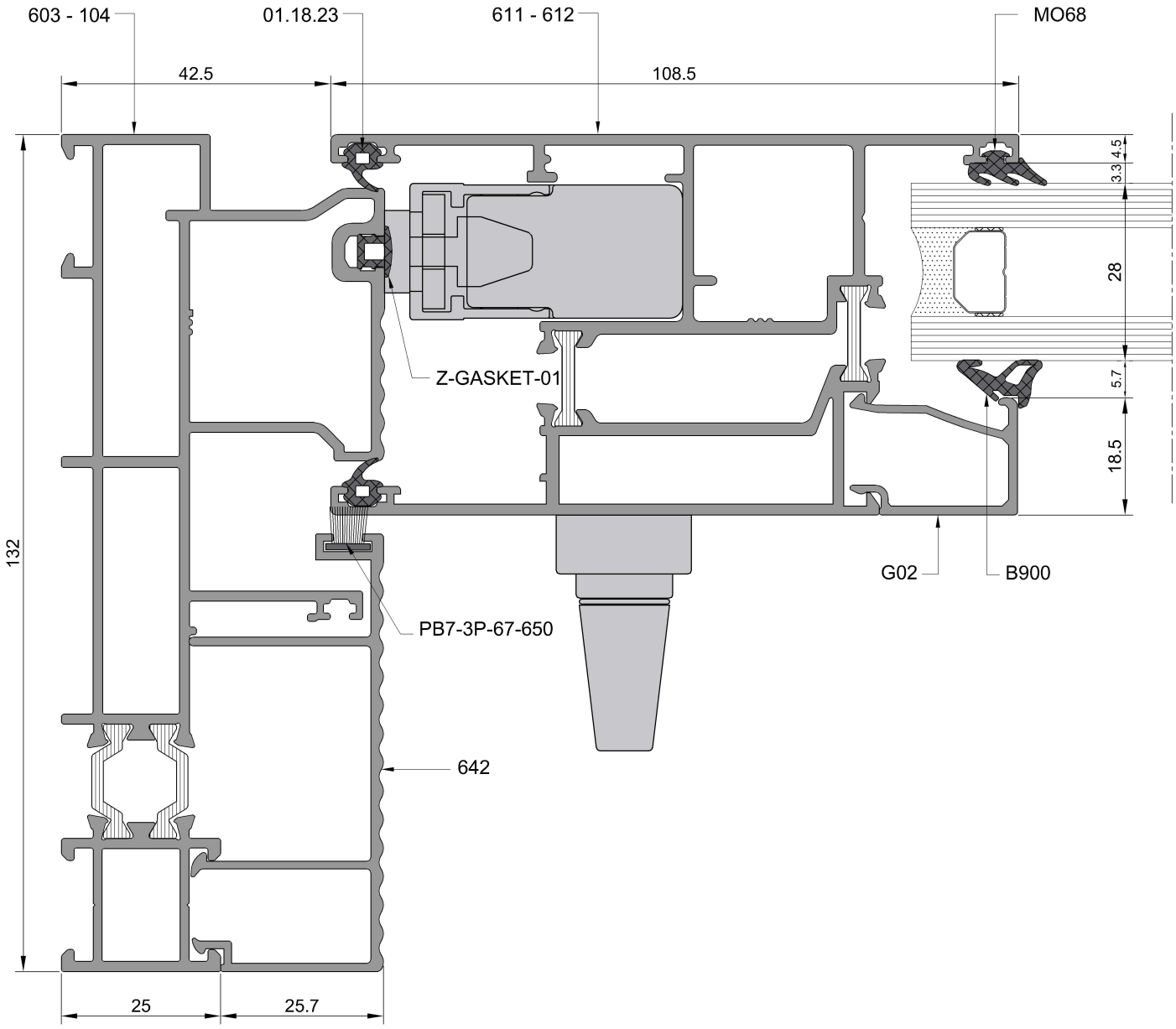
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Lift & Slide





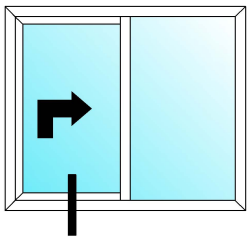
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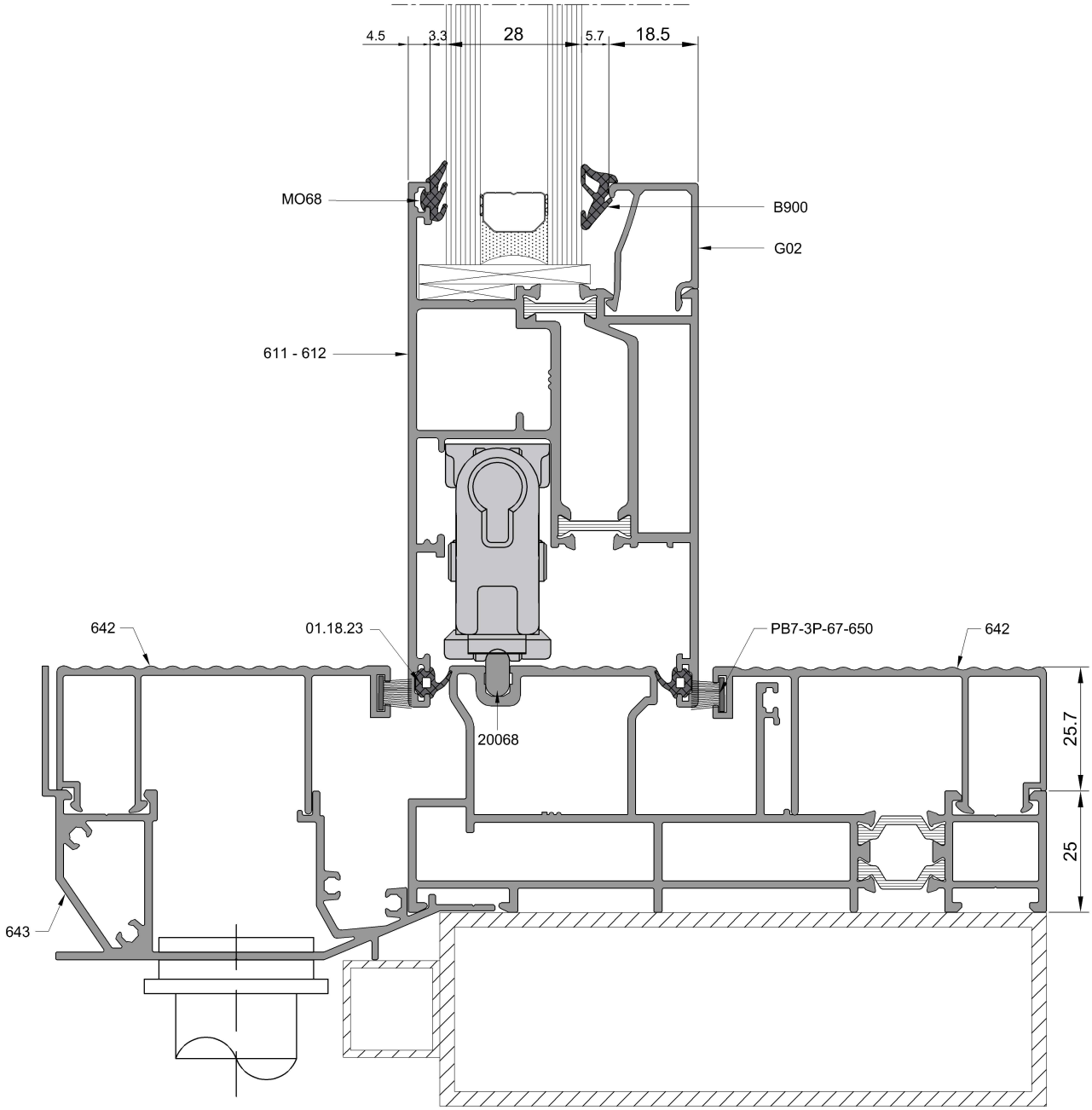
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Lift & Slide

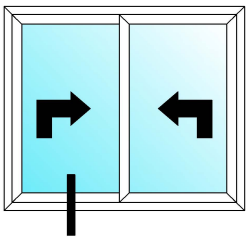


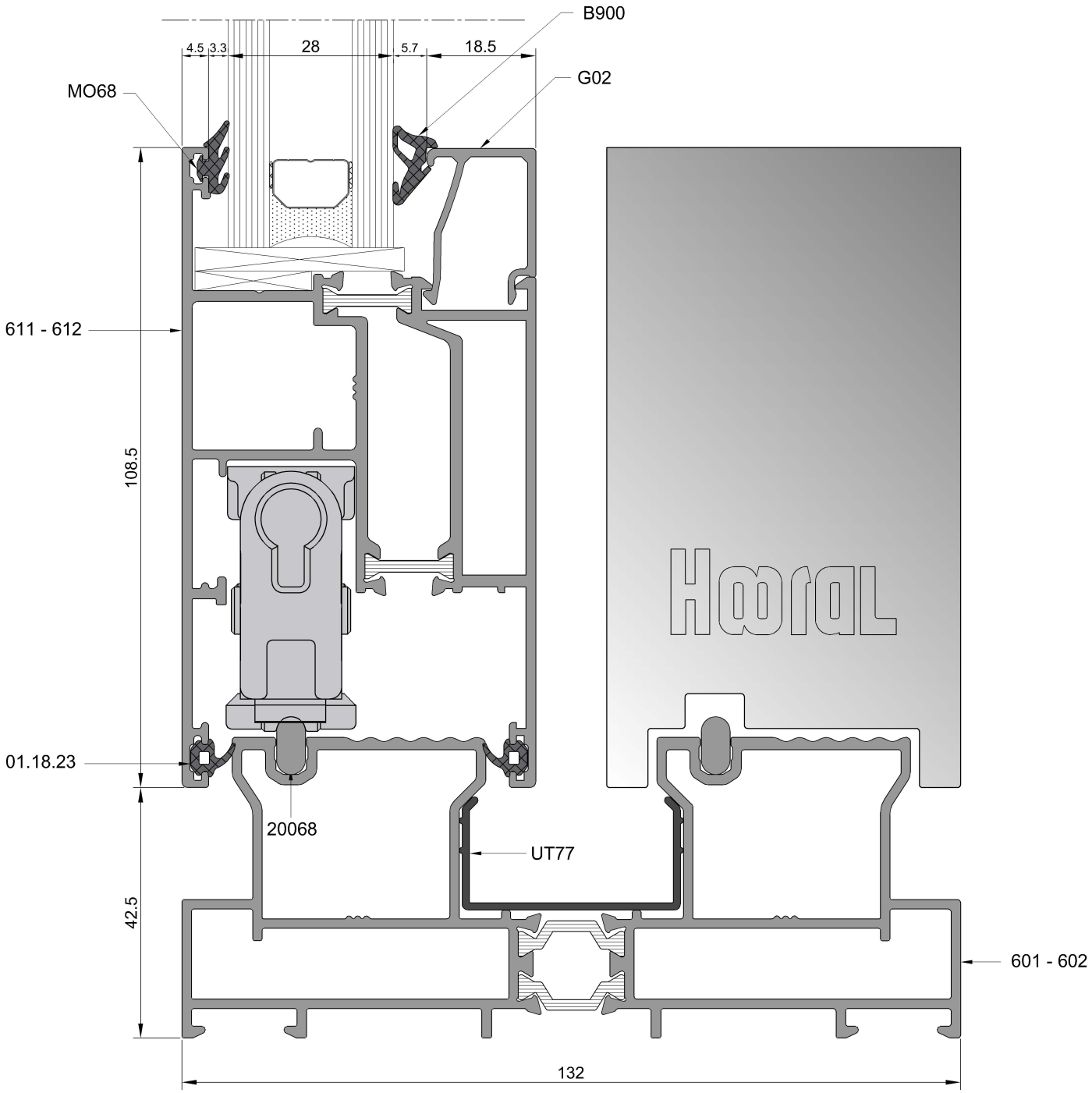


Scale 3:4

HLS-132

Lift & Slide





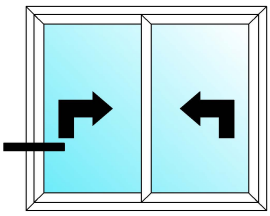
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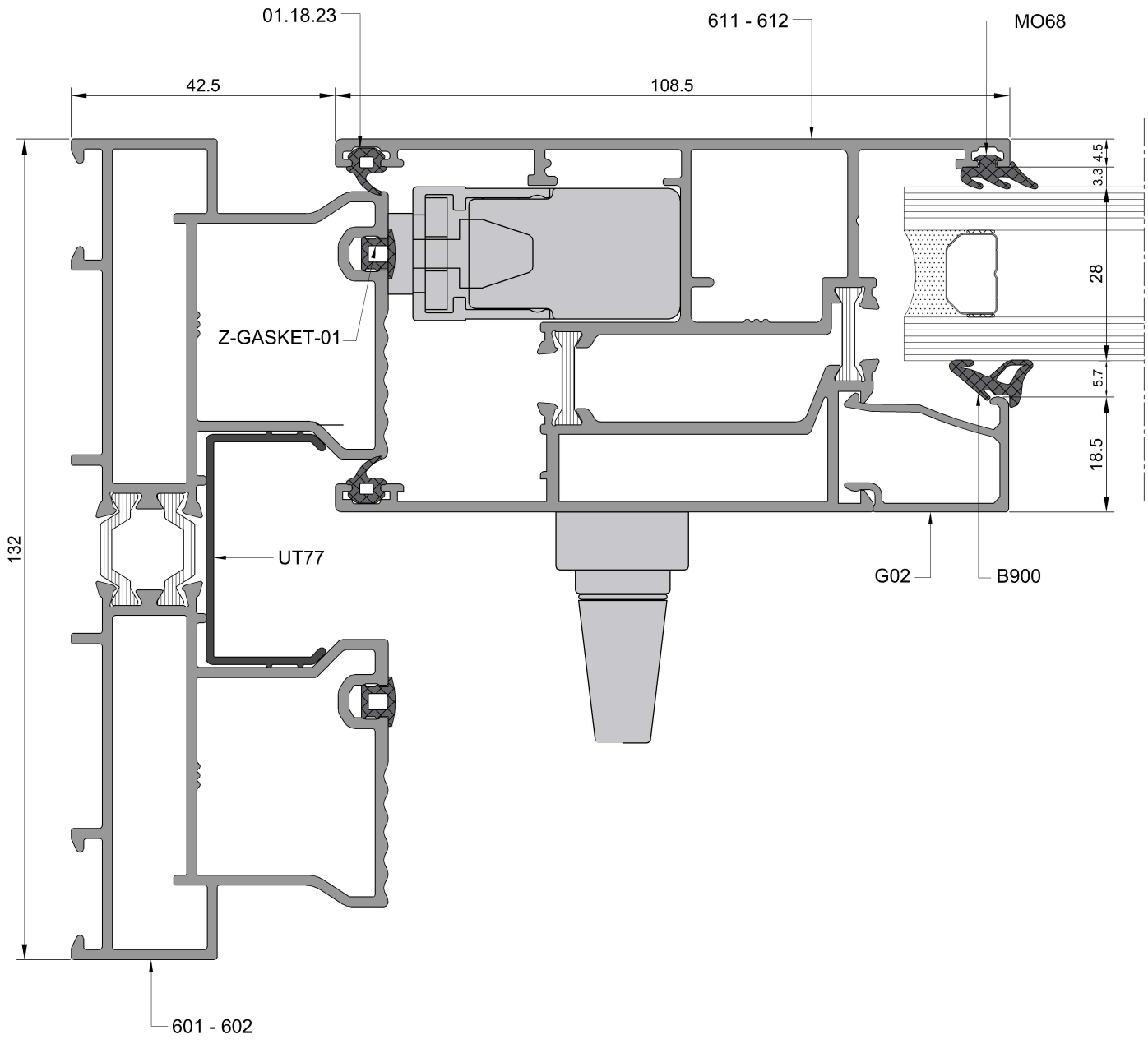
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Lift & Slide

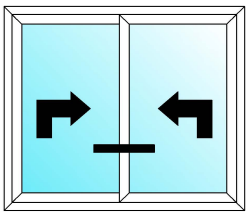


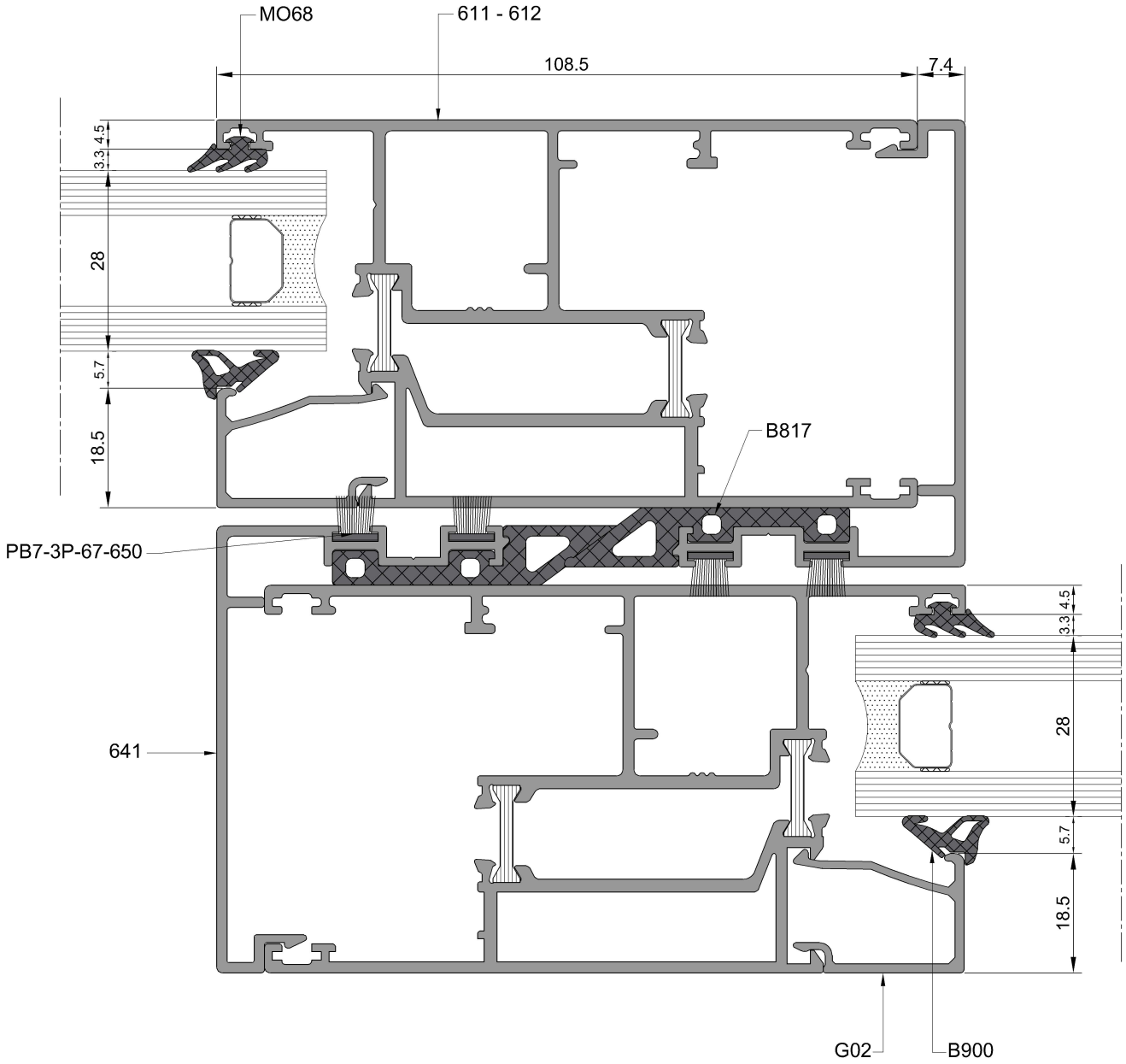


Scale 1:1

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Lift & Slide





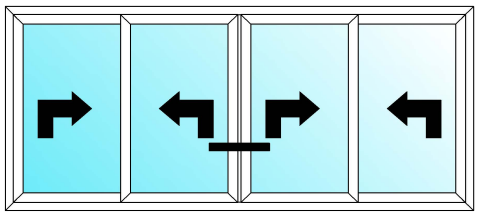
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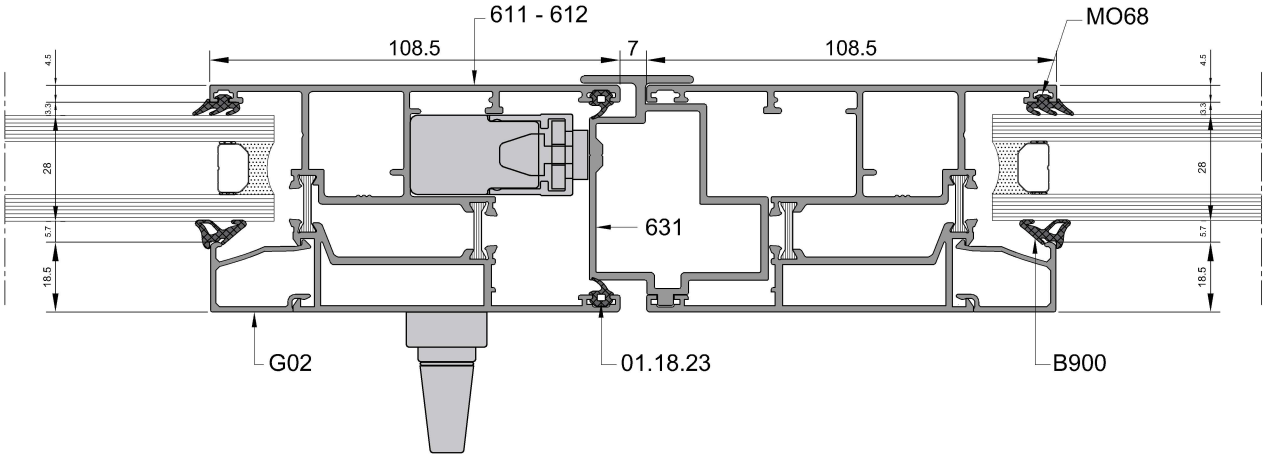
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Lift & Slide

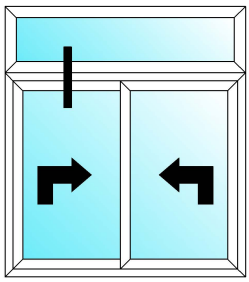


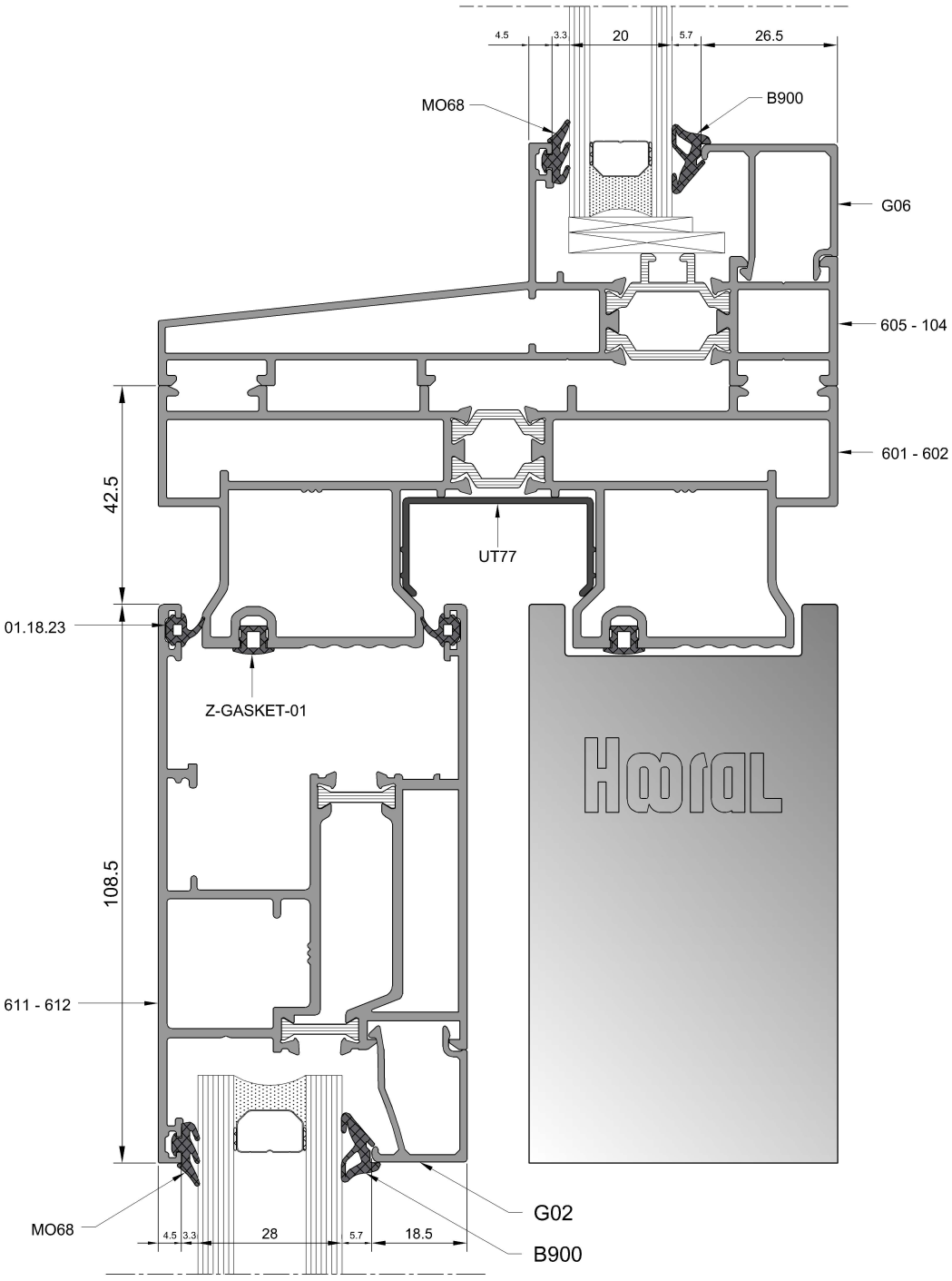


Scale 1:2

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Lift & Slide



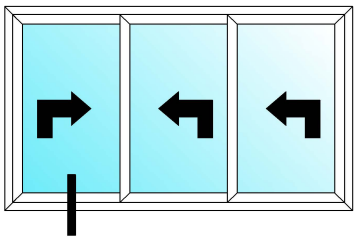


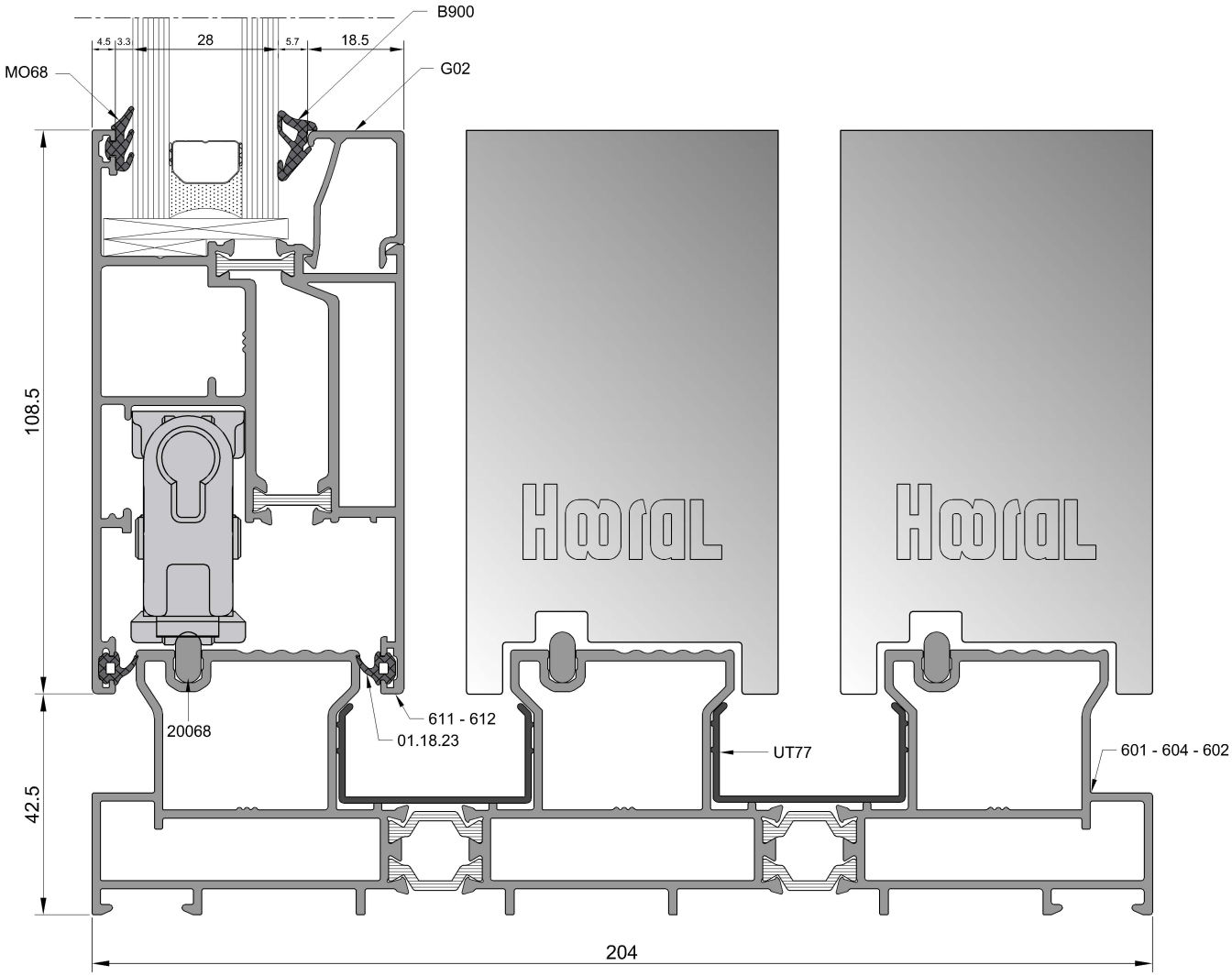
Scale 3:4

Aluminum Profile Systems

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Lift & Slide



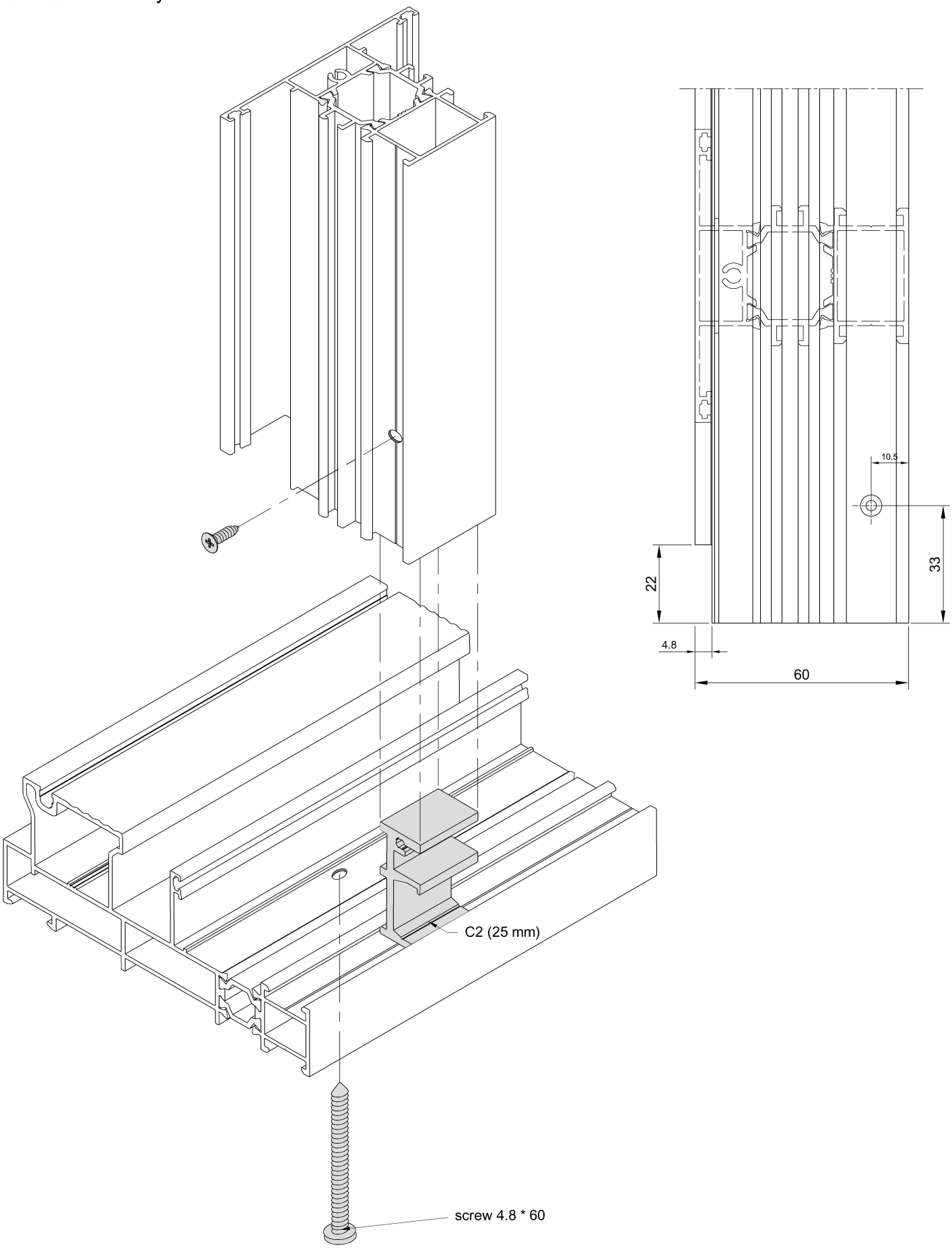


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MACHINING

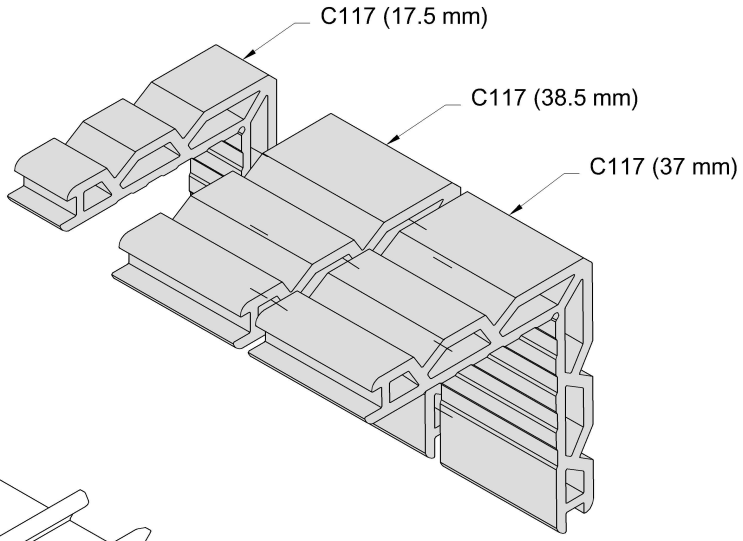
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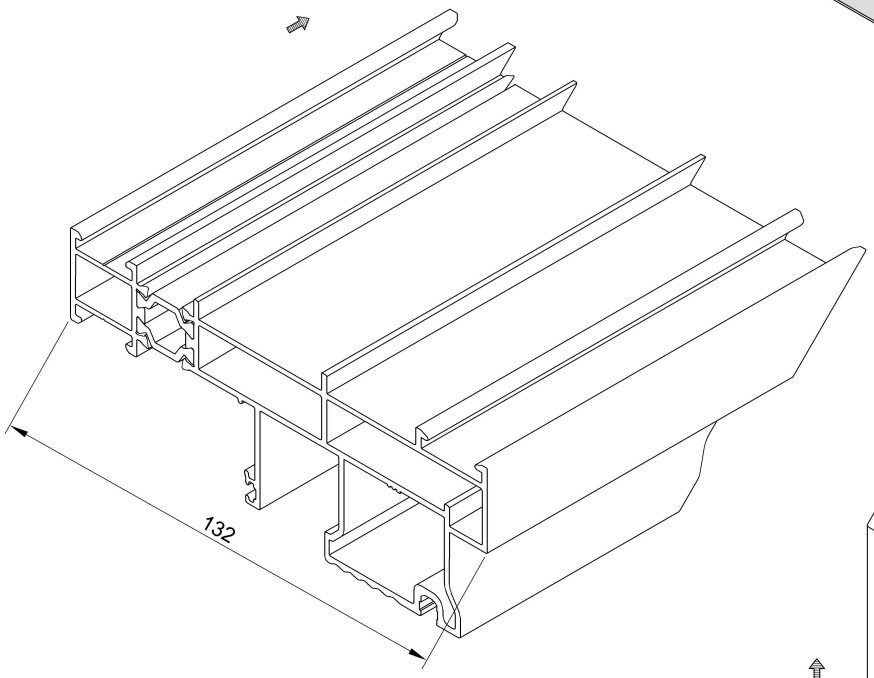
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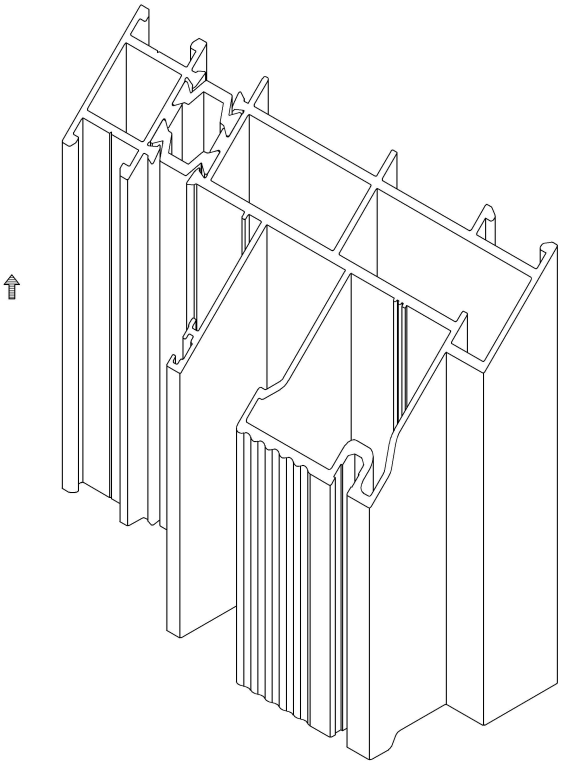


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Lift & Slide

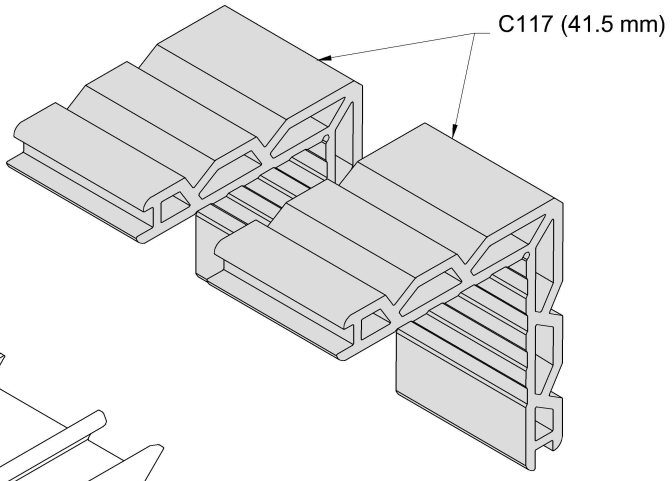


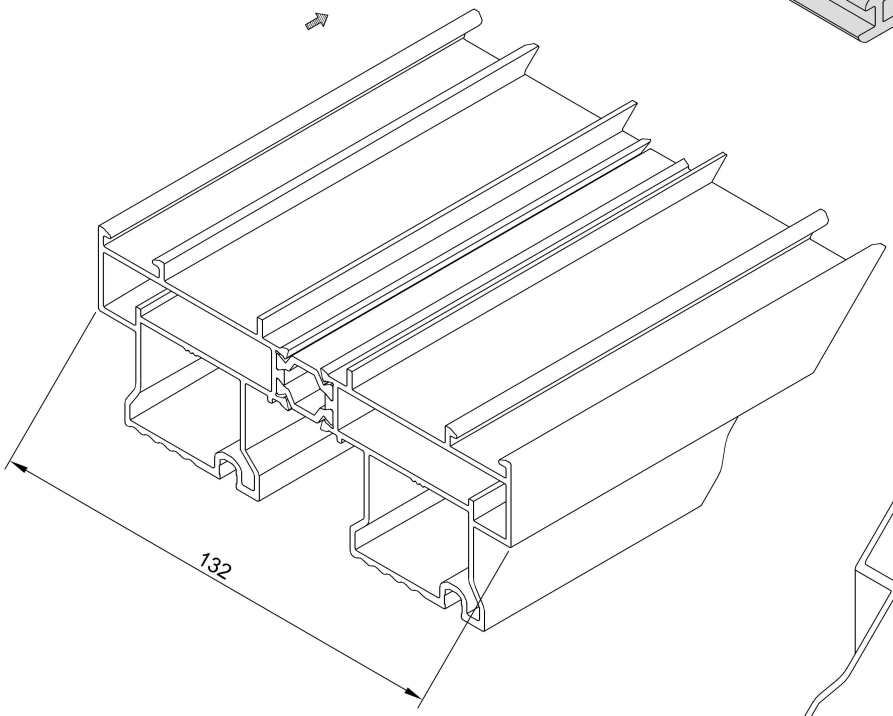


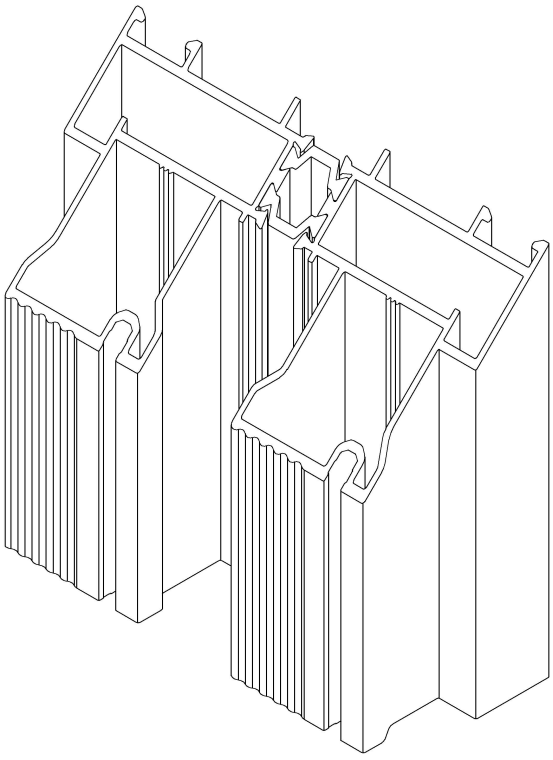


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Lift & Slide







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Lift & Slide

