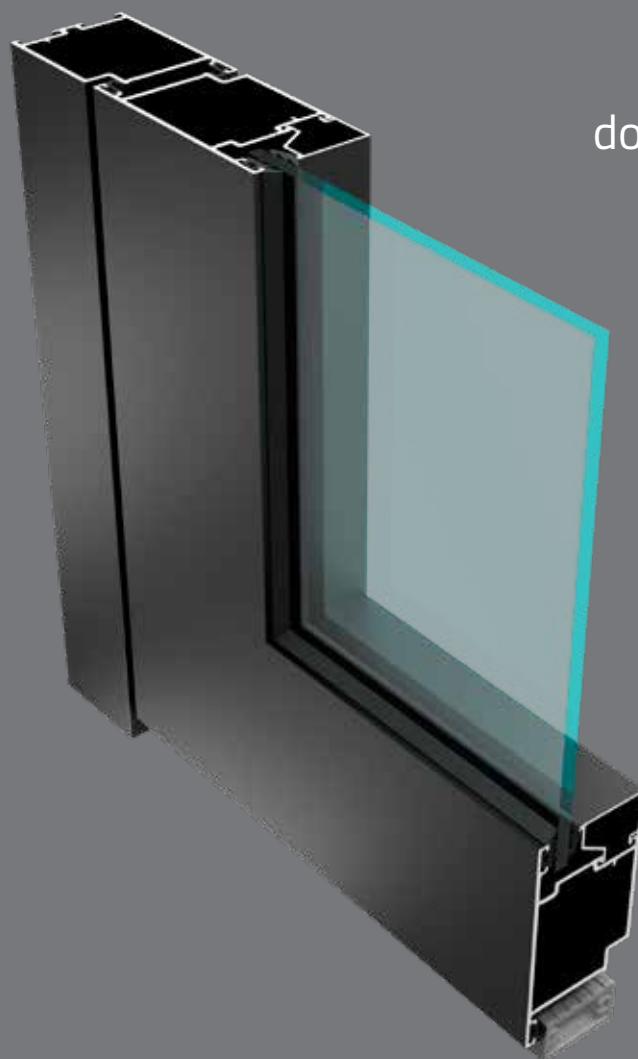


Dörr- och fönstersystem utan isolering

P50

Non-insulated
doors and windows



Dörr- och fönstersystem utan isolering

P50

Uninsulated doors and partitions

Användningsområden

- Innerdörrar (dörrbladets vikt max 100 kg)
- Dörrar med fingerskydd
- Manuell- och automatisk skjutdörrar
- Vindfång
- Inomhusglasväggar
- Öppningsbara fönster
- Räckan

Egenskaper

- Dörr- och fönstersystem i aluminium utan värmeisolering
- Stomdjup 50 mm, 80 och 100 mm
- Stombredd 20...150 mm
- Tjockleken på glaset eller fyllning är 3...33 mm.
- Systemets profiler är av extruderat aluminium som är starkt och styvt, trots att det är tre gånger lättare än stål.
- Profilerna ytbehandlas vanligtvis med anodisering eller pulverlackering.
- Vid behov är det också möjligt att göra nya profilformer snabbt och förmånligt.
- Kan återvinnas helt
- Ringa underhållsbehov under livscykeln
- Fungerar i alla väderleksförhållanden
- Kan CE-märkas som entrédörr enligt SFS-EN 14351-1 +A1

Applications

- Internal doors
- Partitions
- Sliding doors
- Air locks
- Opening windows:
- Trailing

Features

- Insulated aluminium door and window system
- Thickness of single glass, IGU or panel 3...33 mm
- Frame depths 50, 80 and 100 mm
- Doors with surface mounted or butt hinges
- Maximum weight of one door leaf 100 kg
- Powder coated or anodized surface treatment.
- New profile shapes can be produced quickly when necessary with low costs
- Completely recyclable
- Minimal care and maintenance required
- High resistance to any weather conditions
- Possible to attach CE mark as external pedestrian doorset (EN 14351-1 +A1)

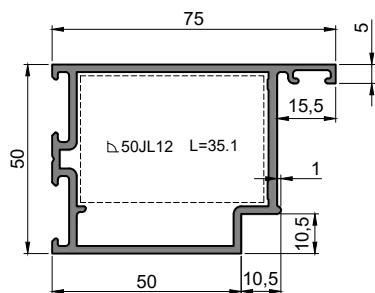
Purso Oy ansvarar för att tillämpningarna i denna produktkatalog fungerar men ansvarar för övriga tillämpningar endast med särskilt avtal. Ansvar för övervakning av tillverkning och installation av konstruktionerna tillkommer inte Purso Oy.

Purso Oy guarantees the function of the applications described in this catalogue. Other applications are guaranteed only by separate agreement. Purso Oy does not take responsibility for control of the installations.

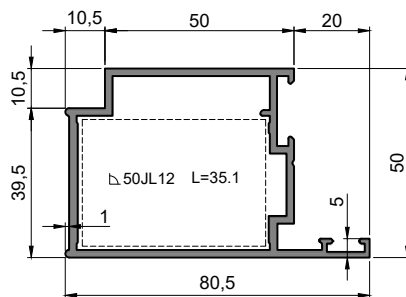
P50 DÖRR-, VINDFÅNG- OCH FÖNSTERSYSTEM
P50 SYSTEM OF DOORS, AIR LOCKS AND WINDOWS

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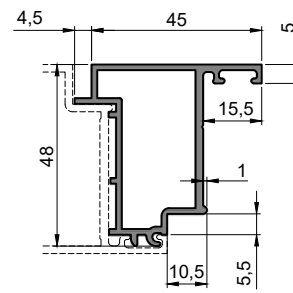
**DÖRRPROFILER
DOOR PROFILES**



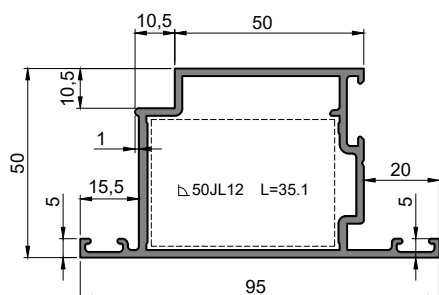
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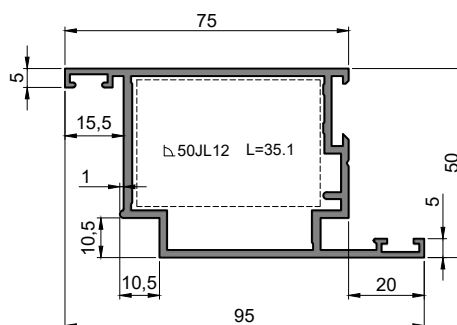
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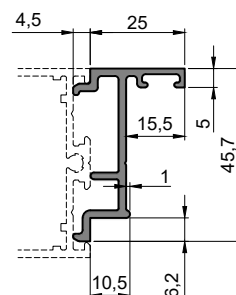
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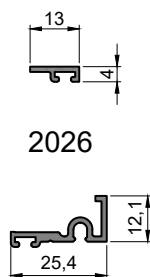
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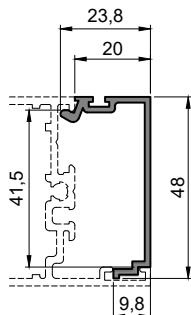
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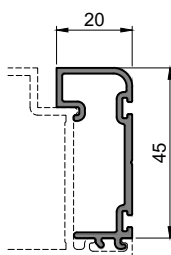
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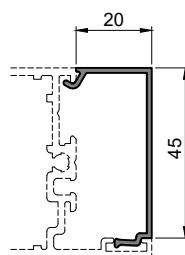
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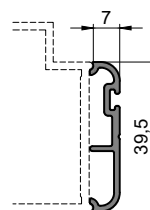
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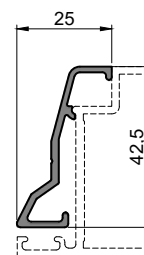
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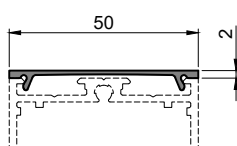
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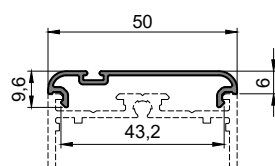
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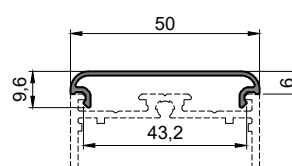
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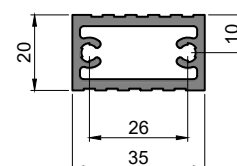
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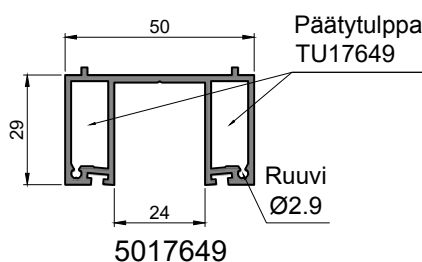
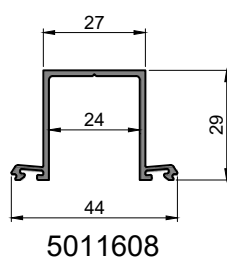
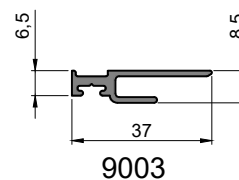
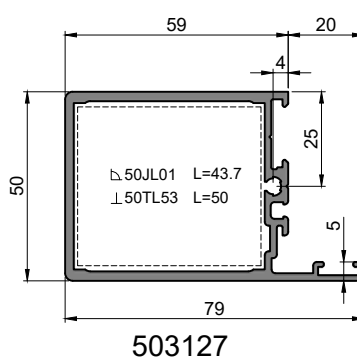
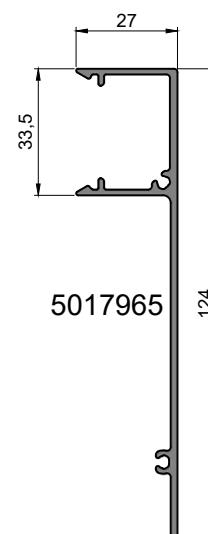
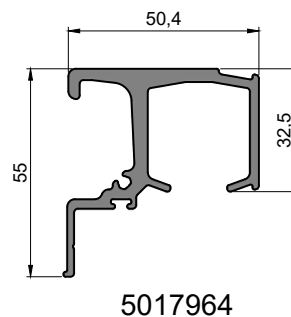
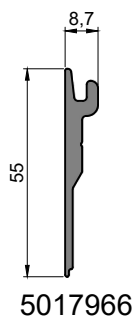
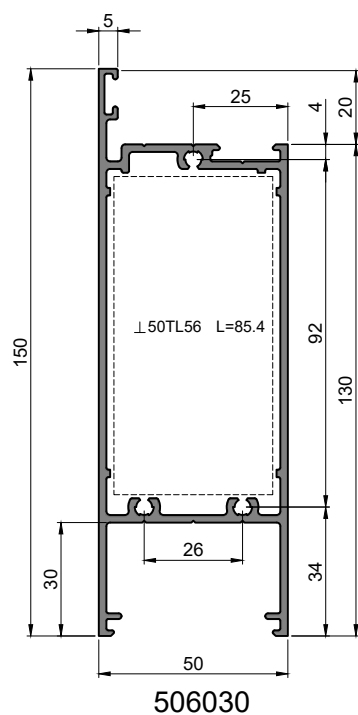


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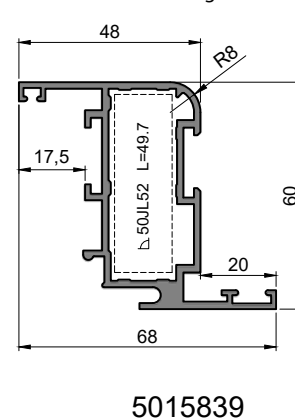
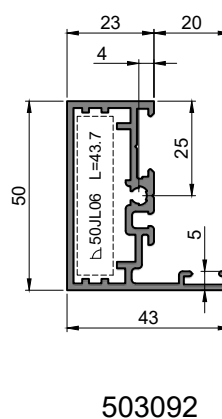
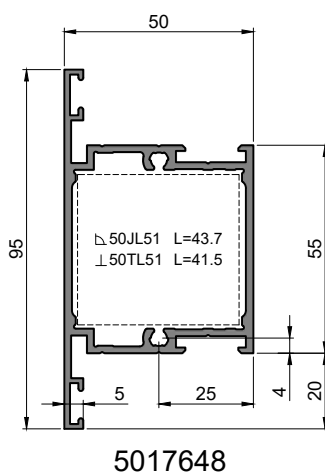
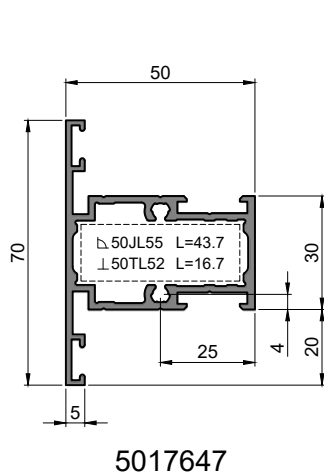
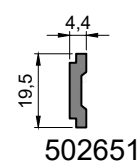


506643

DÖRRPROFILER DOOR PROFILES



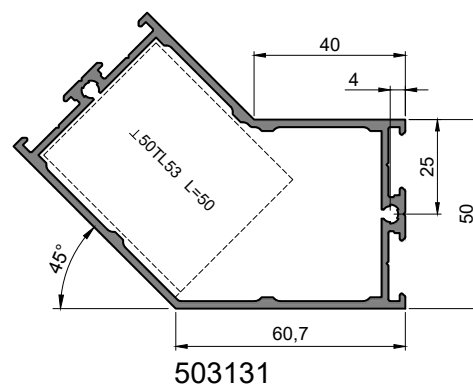
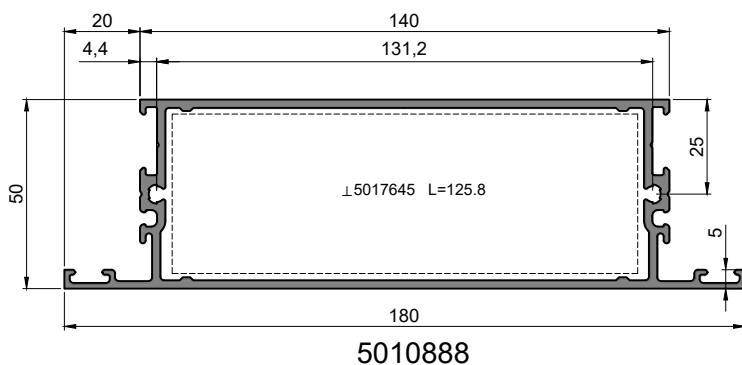
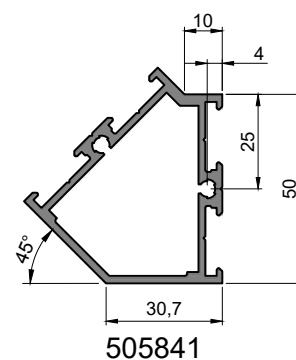
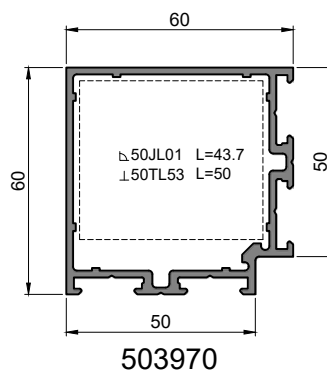
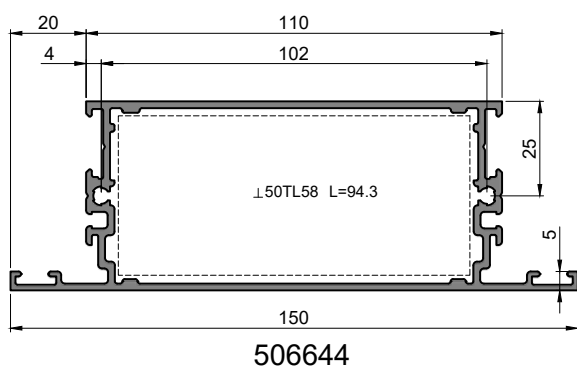
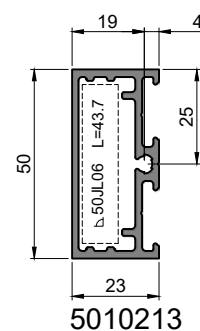
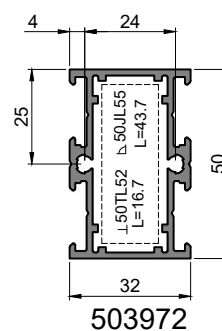
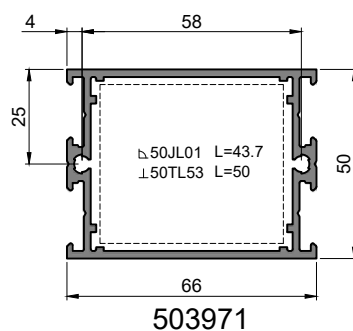
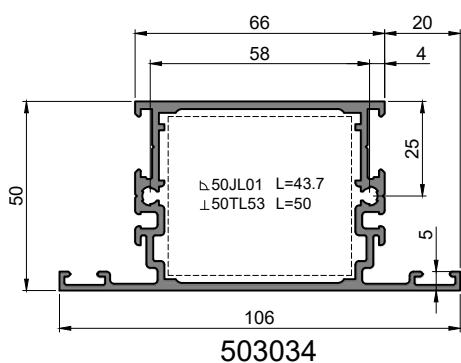
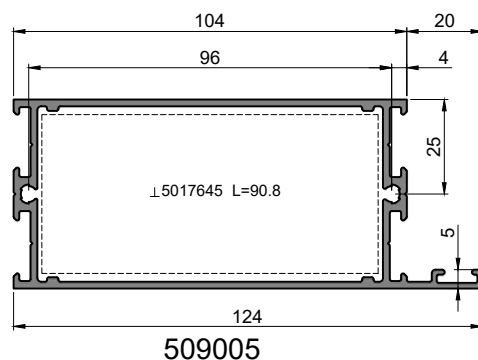
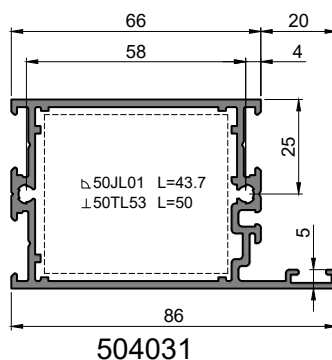
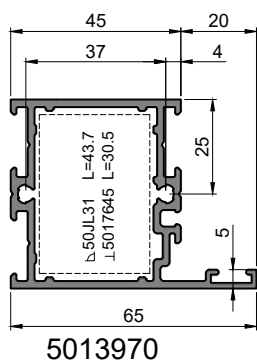
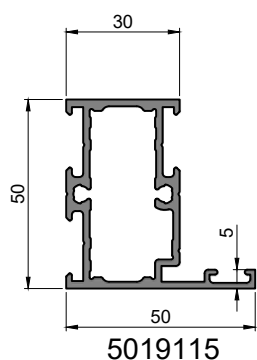
FÖNSTERPROFILER WINDOW PROFILES



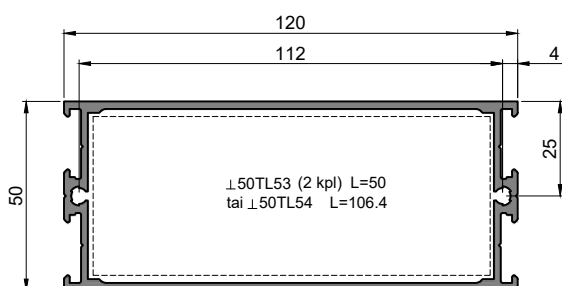
glidskena sida / för ett underhängt fönster
sliding rail for side / bottom hung window

smygprofil sida / underhängt fönster
sash profile side / bottom hung window

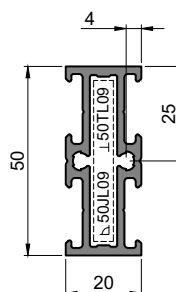
STOMPROFILER FRAME PROFILES



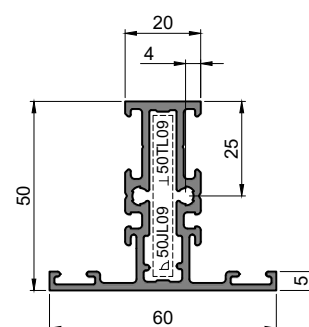
STOMPROFILER FRAME PROFILES



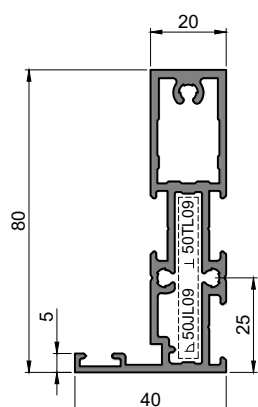
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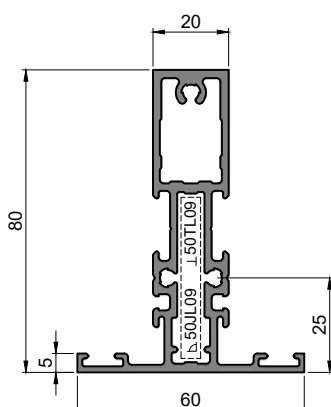
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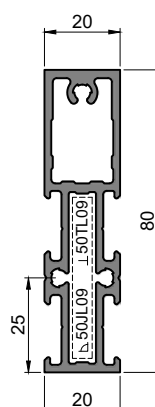
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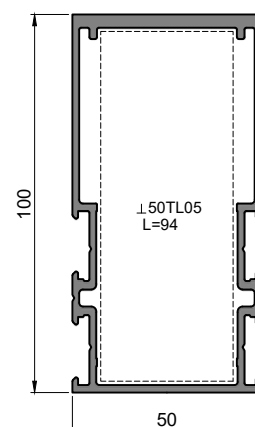
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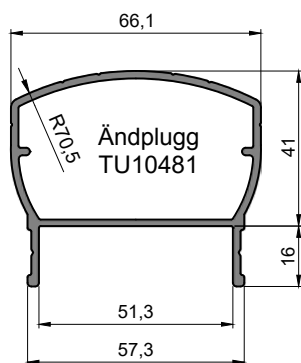


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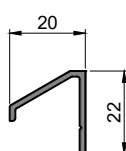


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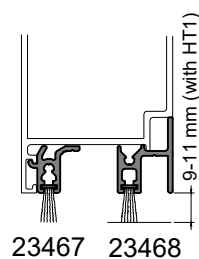
SPECIALPROFILER SPECIAL PROFILES



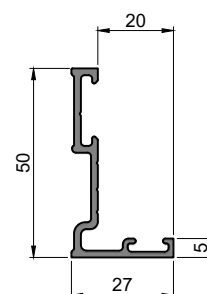
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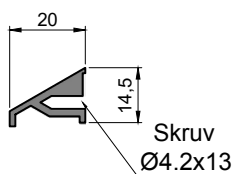
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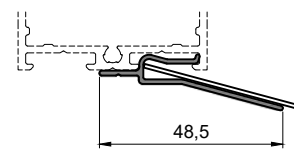
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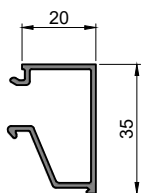


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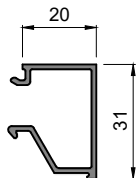


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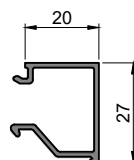
GLASNINGSLISTER GLAZING BEADS



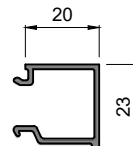
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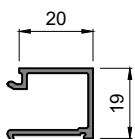
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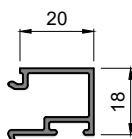
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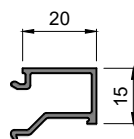
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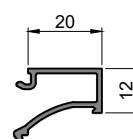
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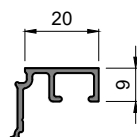
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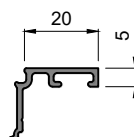
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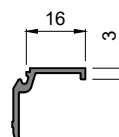
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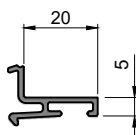
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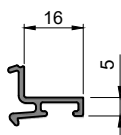
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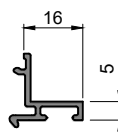
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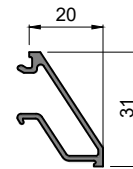
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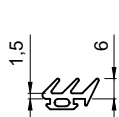


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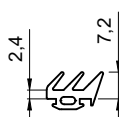


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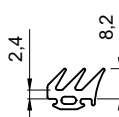
TÄTNINGAR SEALINGS



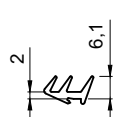
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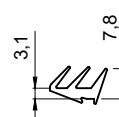
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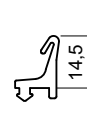
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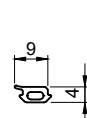
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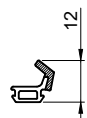
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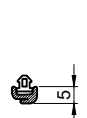
PT1



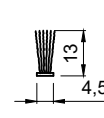
DX50



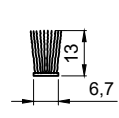
DX731



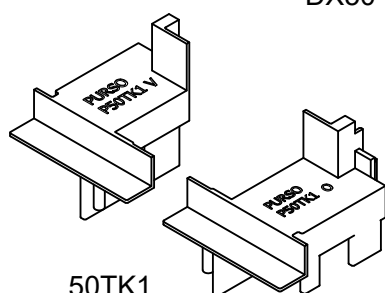
IT511



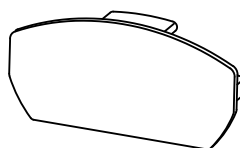
HT1



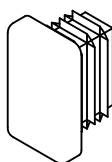
HT3



50TK1



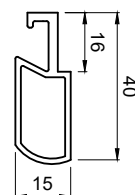
TU10481



TU17649

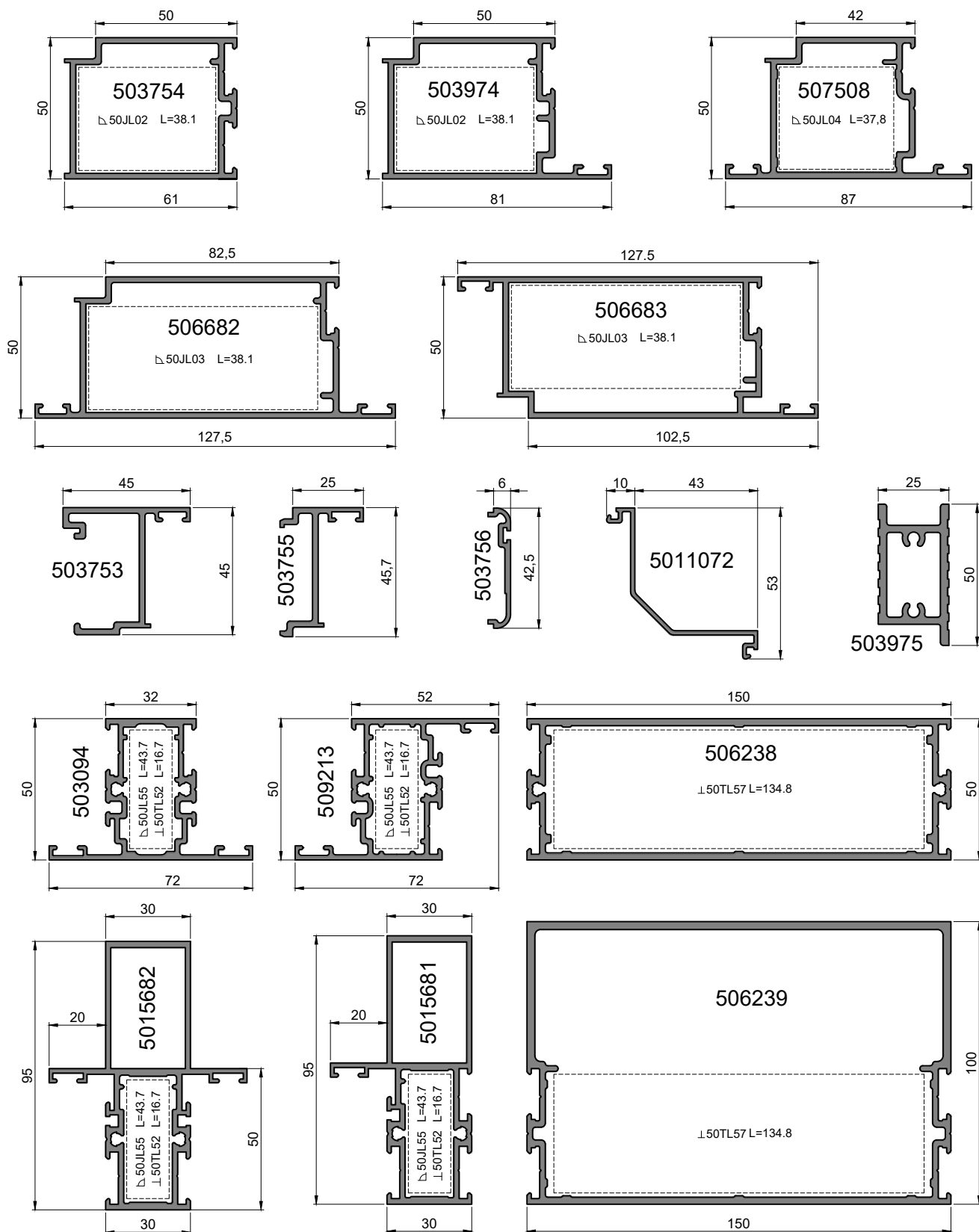


LOT3



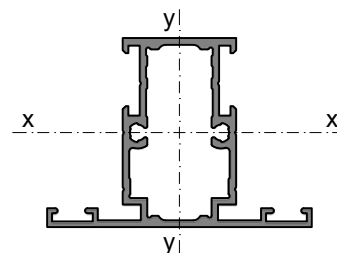
SOT1

**ÖVRIGA PROFILER
OTHER PROFILES**

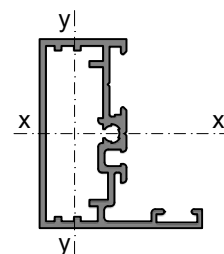


P50-SERIENS TVÄRSNITTSVÄRDEN CROSS-SECTION VALUES OF P50-SERIES

Profil Profile	I_x	W_x	I_y	W_y
	cm ⁴	cm ³	cm ⁴	cm ³
503034	24,3	8,5	51,8	9,8
503235	32,2	12,9	137,1	22,9
503969	96,9	18,3	27,5	11,0
503971	20,1	8,0	31,9	9,7
503972	10,6	4,2	4,5	2,8
506238	46,3	18,5	269,4	35,9
506239	228,0	44,3	444,2	59,2
506644	32,5	11,7	155,0	20,7
507506	12,8	4,2	5,8	1,9
507859	47,3	10,4	6,8	2,3
509461	8,7	3,5	1,2	1,2
509913	33,9	8,3	2,3	2,3
5010481	13,7	4,4	25,5	7,7
5010888	44,3	16,2	288,6	32,1
5015682	56,4	11,2	14,5	4,1
5017647	15,0	5,0	10,6	3,0
5017648	21,3	7,4	33,9	7,1



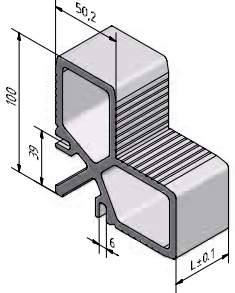
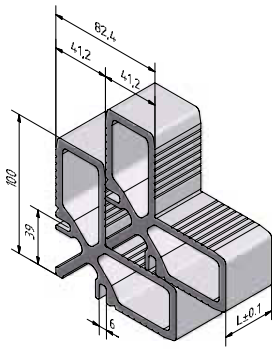
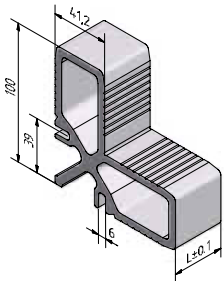
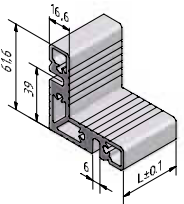
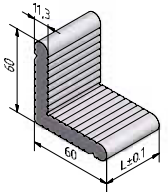
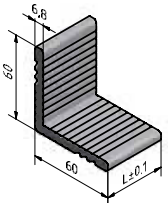
Profil Profile	I_x	W_x	I_y	W_y
	cm ⁴	cm ³	cm ⁴	cm ³
503092	6,7	2,4	8,4	2,4
503127	22,4	8,3	31,9	6,9
504031	21,9	8,1	39,9	8,2
507507	41,2	9,7	4,4	1,6
509005	28,7	10,8	108,8	16,0
5013970	16,8	6,1	16,4	4,2
5015681	56,3	11,1	10,7	3,3

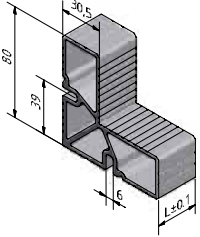
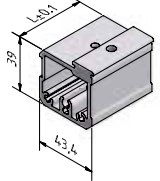
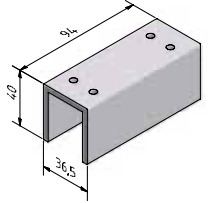
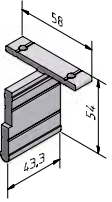
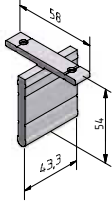


ANSLUTNINGSDETALJER JOINING PIECES

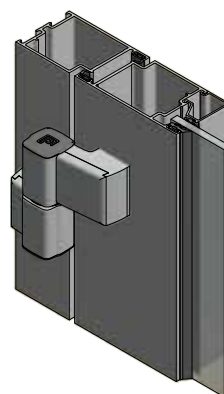
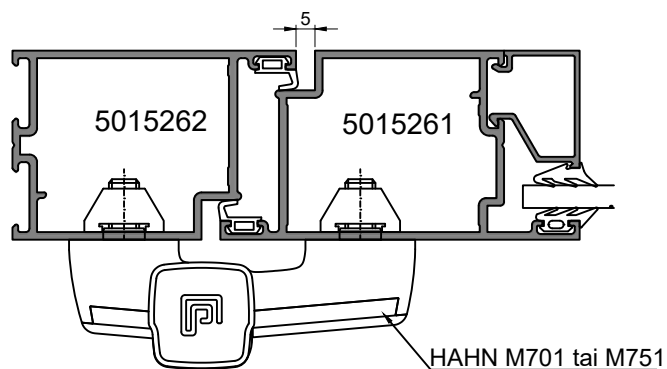
Profil	Geringsdetalj	T-detalj	Obs
503034	50JL01	50TL53	
503092	50JL06		
503127	50JL01	50TL53	
503131		50TL53	
503235		50TL53/ 50TL54	2 st. 50TL53 eller 1 st. 50TL54
503754	50JL02		
503969		50TL05	
503970	50JL01	50TL53	
503971	50JL01	50TL53	
503972	50JL55	50TL52	
503974	50JL02		
504031	50JL01	50TL53	
506030		50TL56	
506238		50TL57	
506239		50TL57	
506644		50TL58	
506682	50JL03		
506683	50JL03		
507506	50JL09	50TL09/ 50TL12	50TL12 när glaslister 508261, 5011146, 5011610 eller 5011611 används
507507	50JL09	50TL09/ 50TL12	50TL12 när glaslister 508261, 5011146, 5011610 eller 5011611 används
507508	50JL04		
507859	50JL09	50TL09/ 50TL12	50TL12 när glaslister 508261, 5011146, 5011610 eller 5011611 används
509005		5017645 L=90.8mm	T-detalj som stångvara
509213	50JL55	50TL52	
509461	50JL09	50TL09/ 50TL12	50TL12 när glaslister 508261, 5011146, 5011610 eller 5011611 används
509913	50JL09	50TL09/ 50TL12	50TL12 när glaslister 508261, 5011146, 5011610 eller 5011611 används
5010213	50JL06		
5010888		5017645 L=125.8mm	T-detalj som stångvara
5013970	50JL31	5017645 L=30.5mm	T-detalj som stångvara
5015261	50JL12		
5015262	50JL12		
5015681	50JL55	50TL52	
5015682	50JL55	50TL52	
5015839	50JL52		
5017647	50JL55	50TL52	
5017648	50JL51	50TL51	
5017652	50JL12		
5017653	50JL12		

ANSLUTNINGSDETALJER **JOINING PIECES**

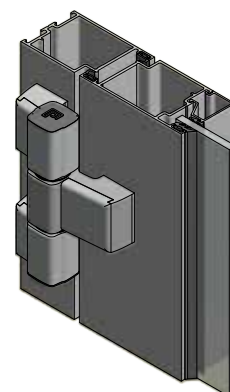
Anslutningsdetalj	Profil	L (mm)	
Geringsdetaljer			
50JL01 50JL02 50JL12	509538 509538 509538	43,7 38,1 35,1	
50JL03	509537	38,1	
50JL04 50JL51	509537 509537	37,8 43,7	
50JL52 50JL55	501596 501596	49,7 43,7	
50JL06 50JL07	505127 505127	43,7 50,5	
50JL09	5016300	43,7	

Anslutningsdetalj	Profil	L (mm)	
50JL31	5017907	30,5	
Anslutningsdetalj	Profil	L (mm)	
T-detaljer			
50TL51 50TL52 50TL53 50TL54 50TL56 50TL57 50TL58	5017645 5017645 5017645 5017645 5017645 5017645 5017645	41,5 16,7 50,0 106,4 85,4 134,8 94,3	
50TL05	500193	94,0	
50TL09	507514		
50TL12	507514		

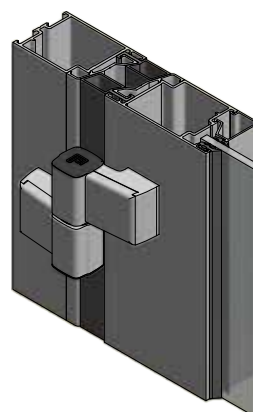
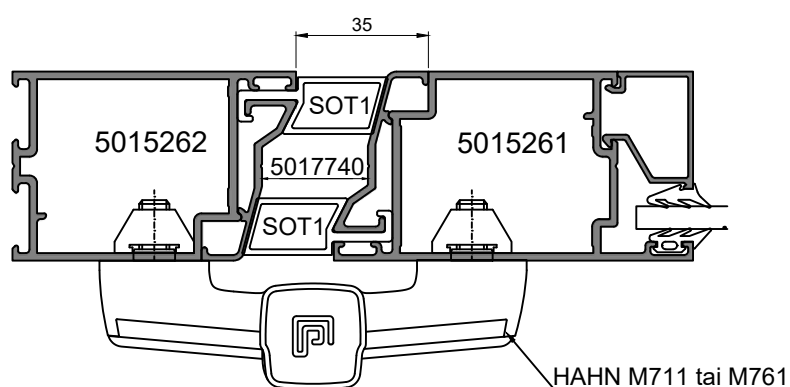
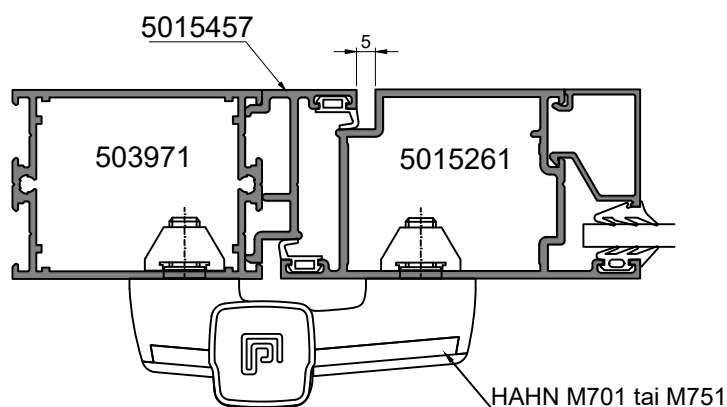
GÄNGJÄRN HINGES



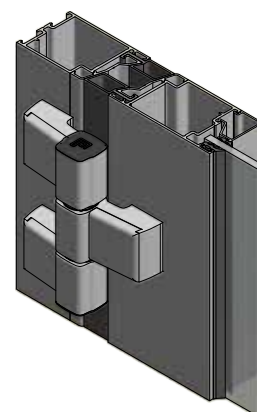
HAHN M701



HAHN M751



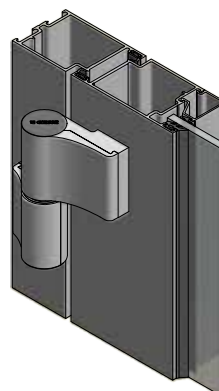
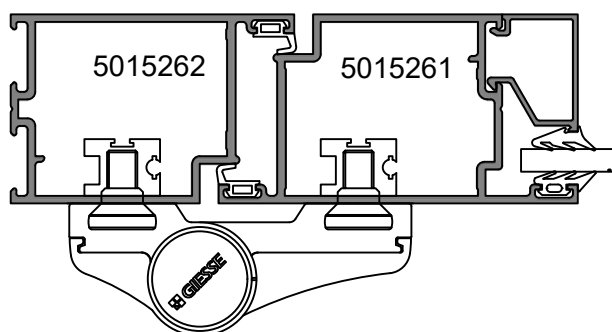
HAHN M711



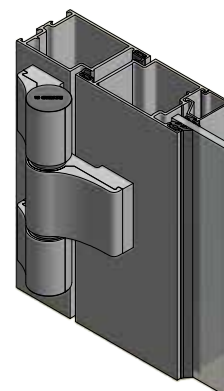
HAHN M761

Dörrbladets maximala vikt 100 kg
Maximum weight of the door leaf 100kg

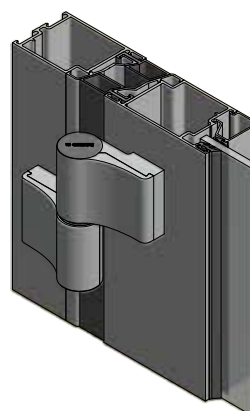
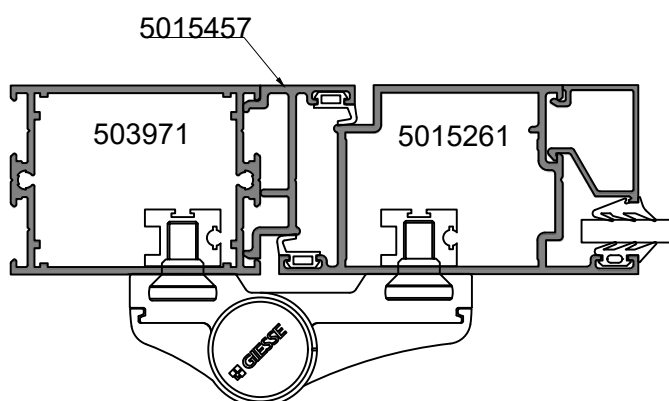
GÄNGJÄRN HINGES



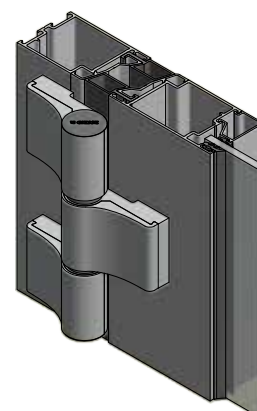
GIESSE DOMINA HP
2-leaf (05160V)



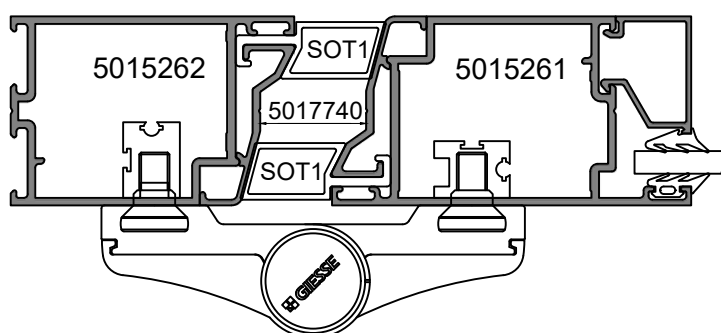
GIESSE DOMINA HP
3-leaf (05161V)



GIESSE DOMINA
HP
2-leaf (05166V)

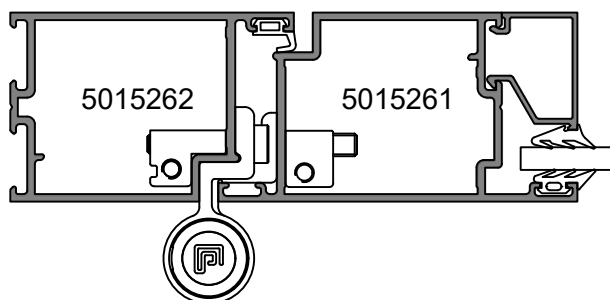


GIESSE DOMINA
HP
3-leaf (05167V)

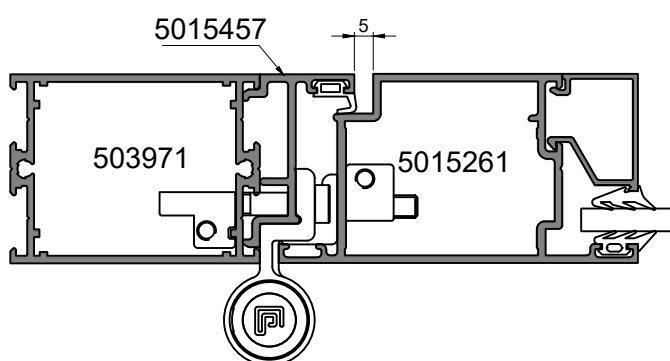
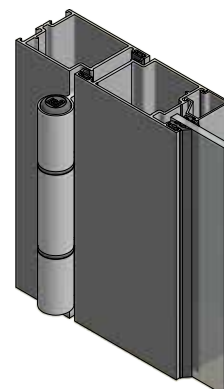


Dörrbladets maximala vikt 100 kg
Maximum weight of the door leaf 100kg

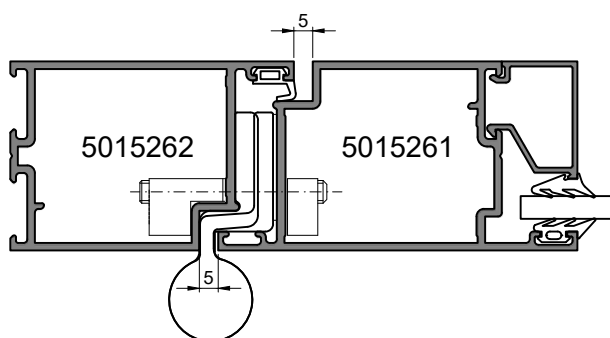
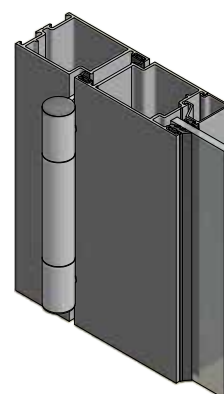
GÄNGJÄRN HINGES



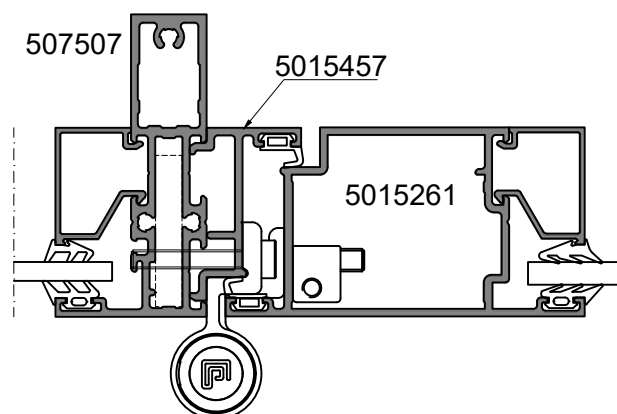
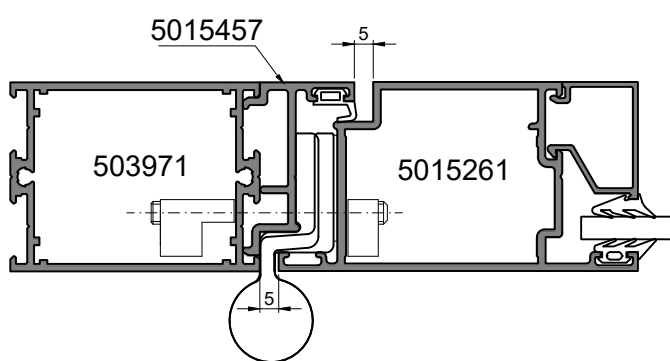
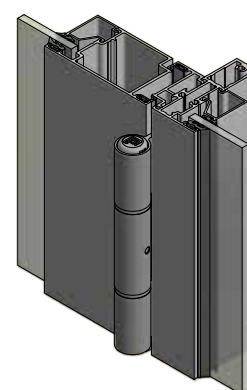
SAVIO



ALPRO

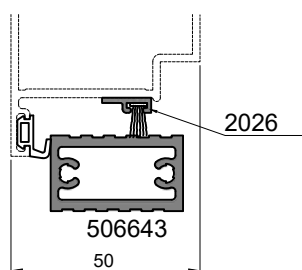
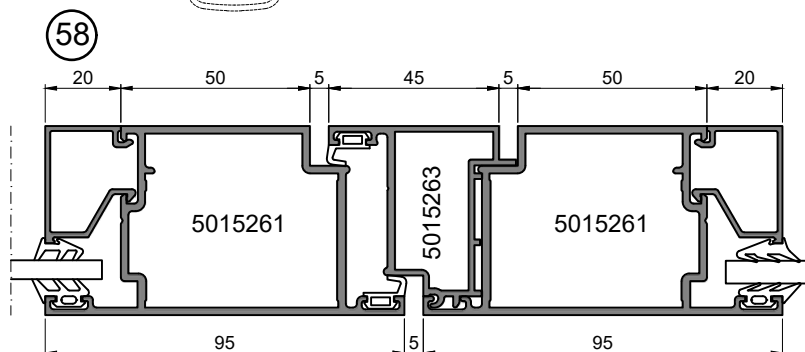
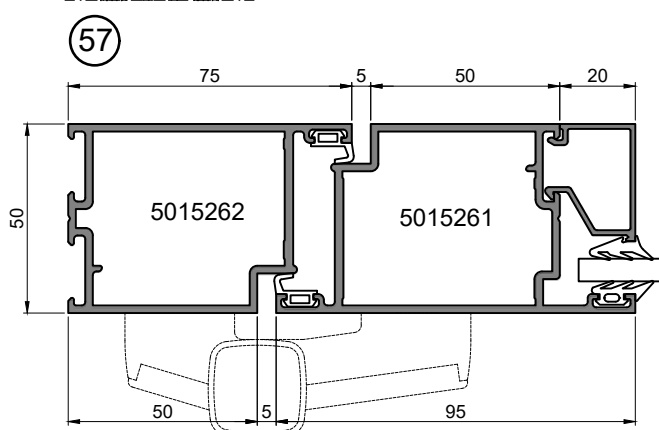
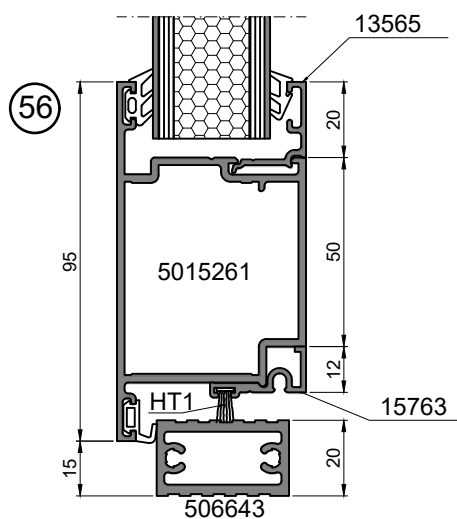
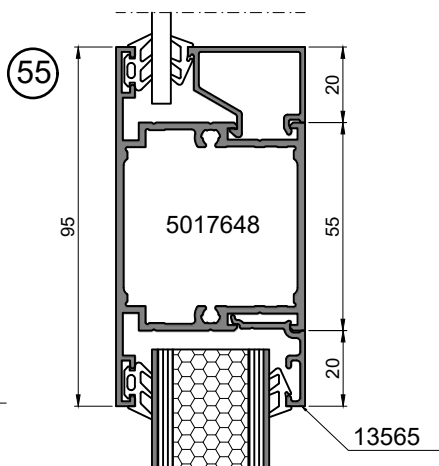
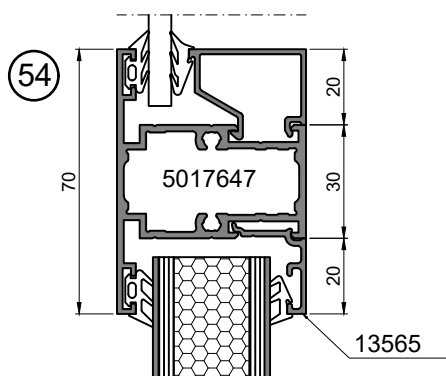
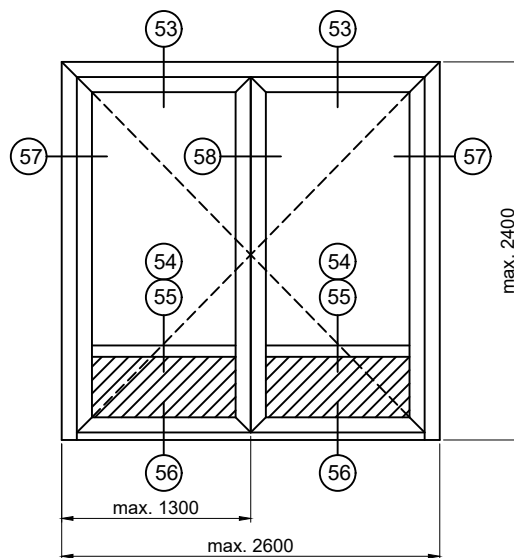
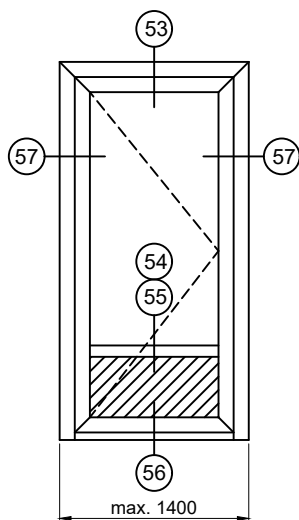
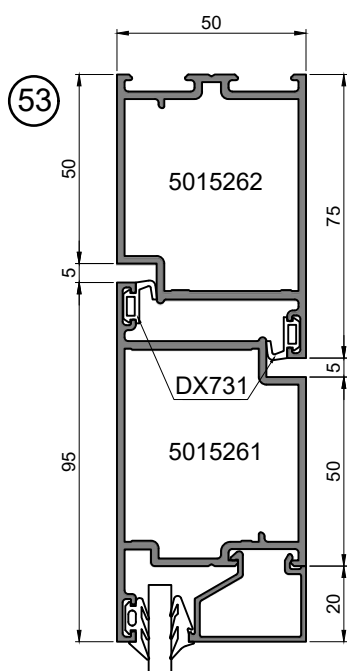


SAVIO

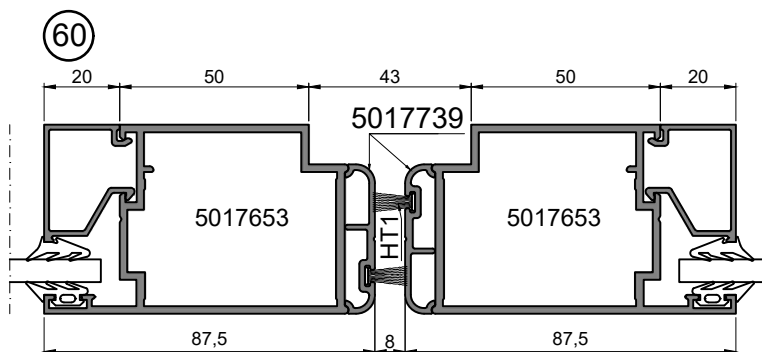
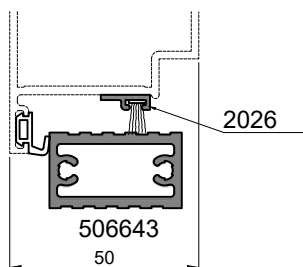
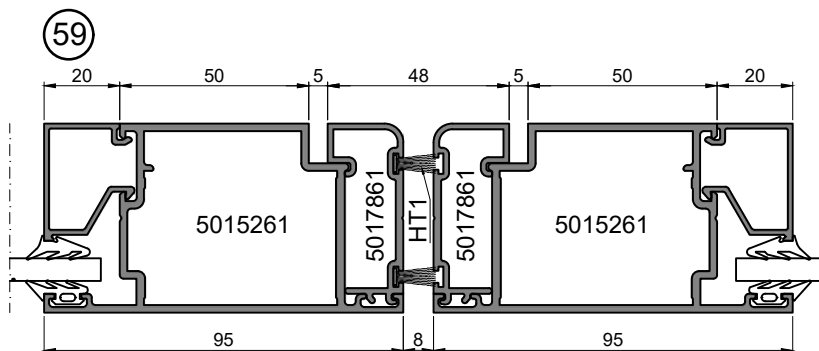
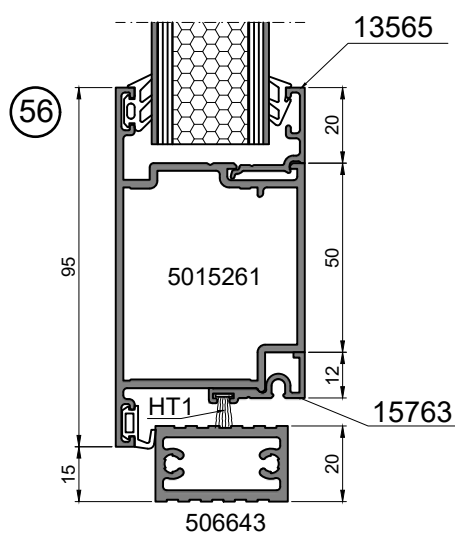
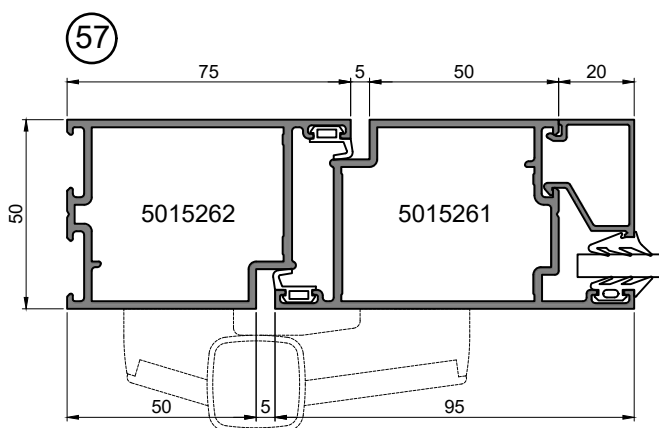
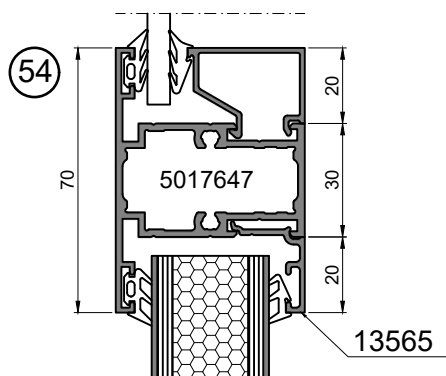
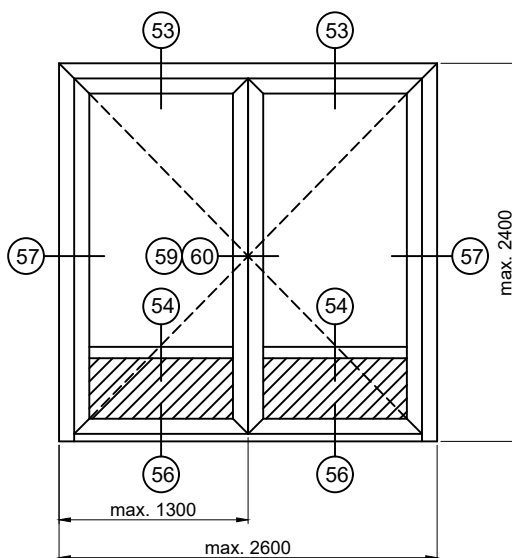
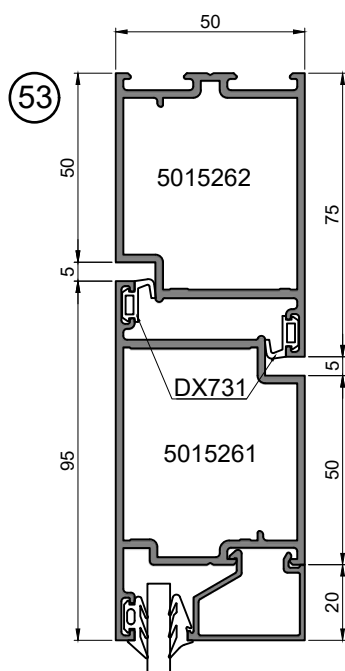


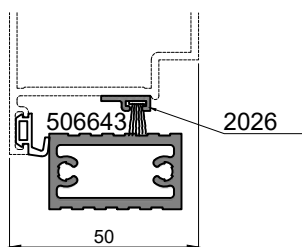
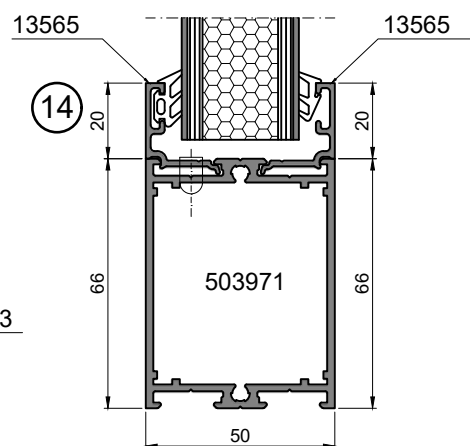
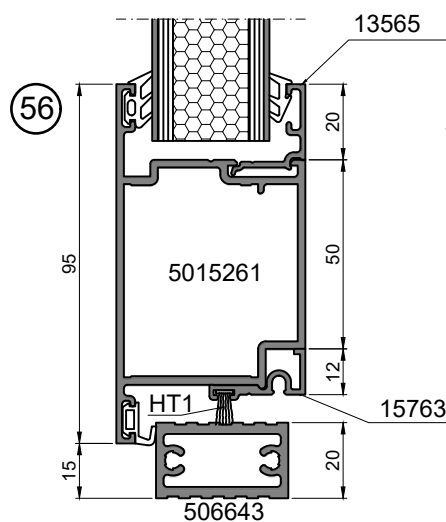
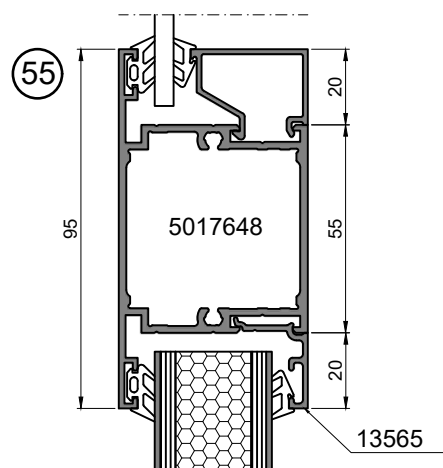
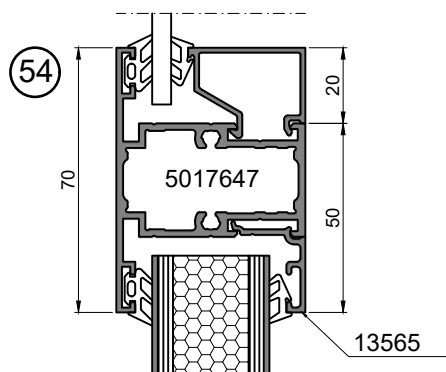
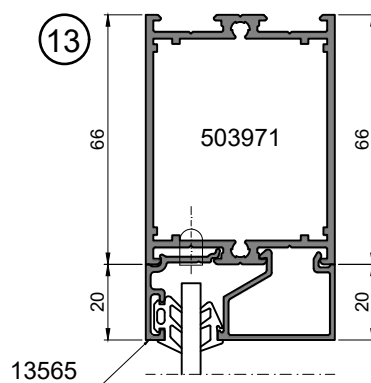
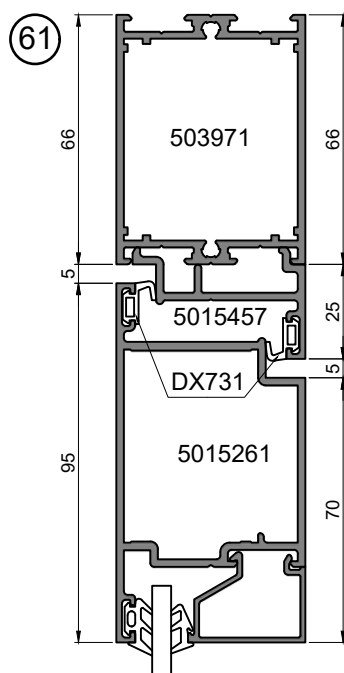
Dörrbladets maximala vikt 80 kg
Maximum weight of the door leaf 80kg

P50 DÖRR/DUBBELDÖRR
P50 DOOR/ DOUBLE DOOR

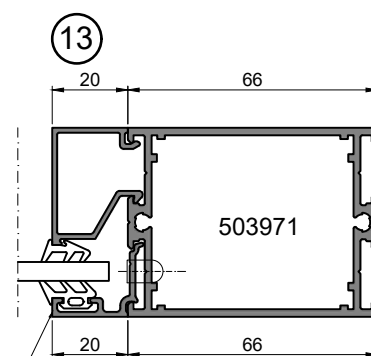
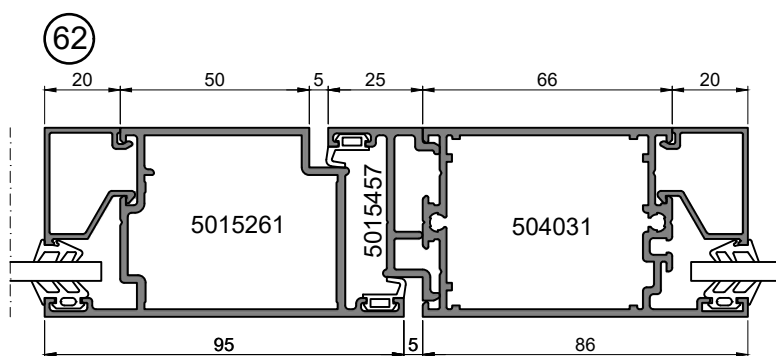
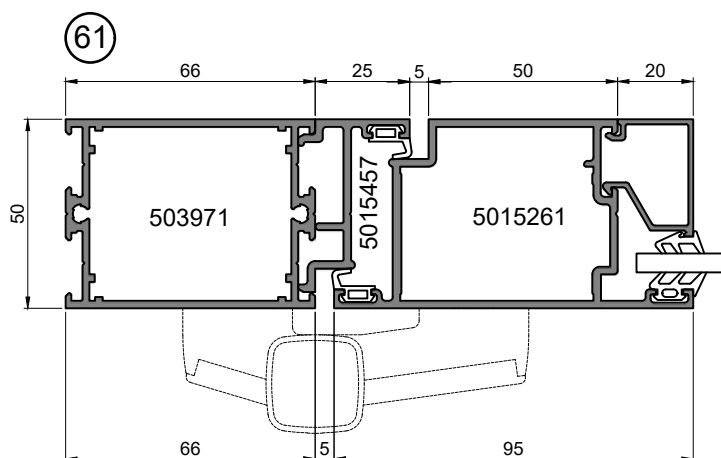
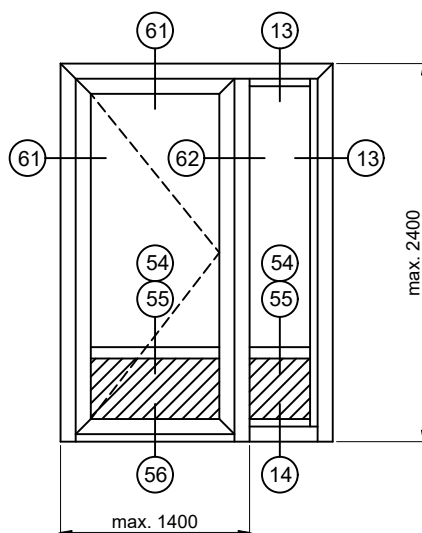


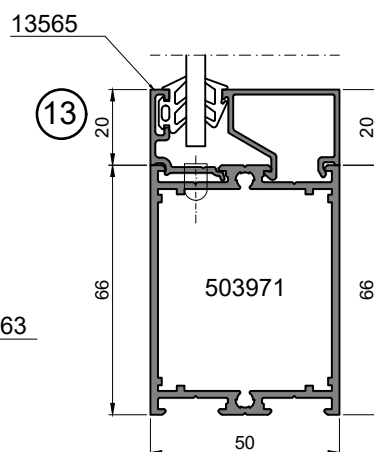
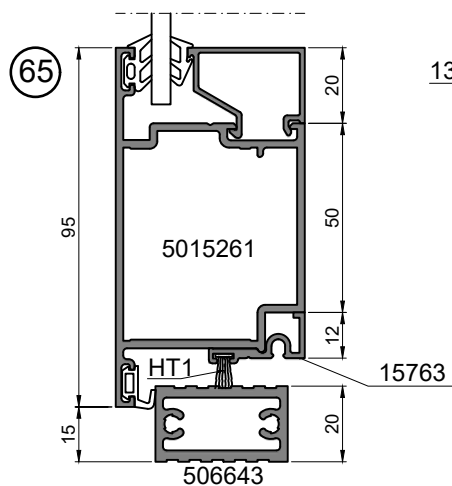
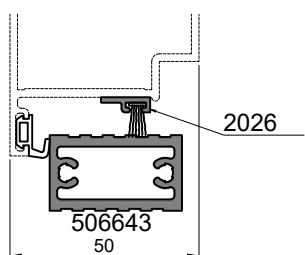
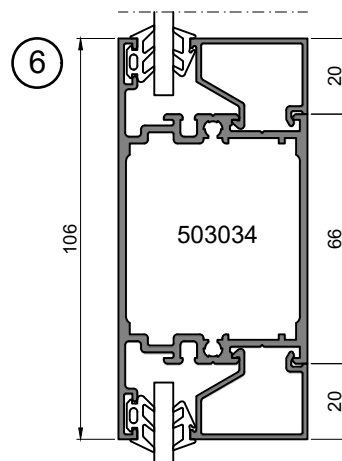
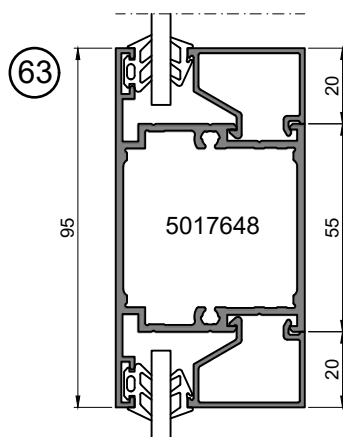
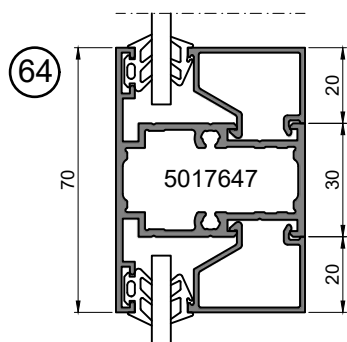
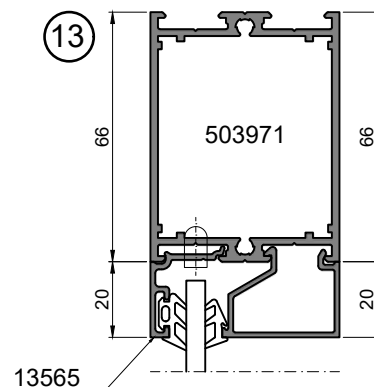
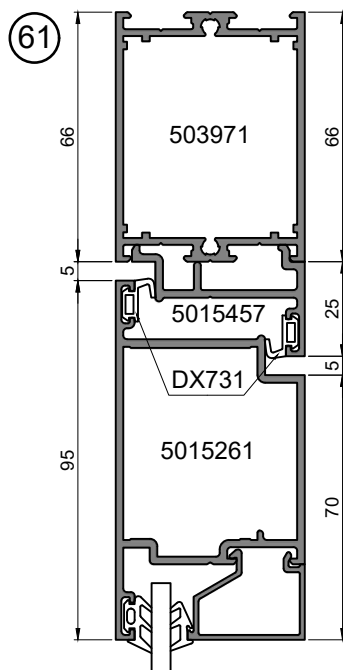
P50 DUBBELDÖRR
P50 DOUBLE DOOR



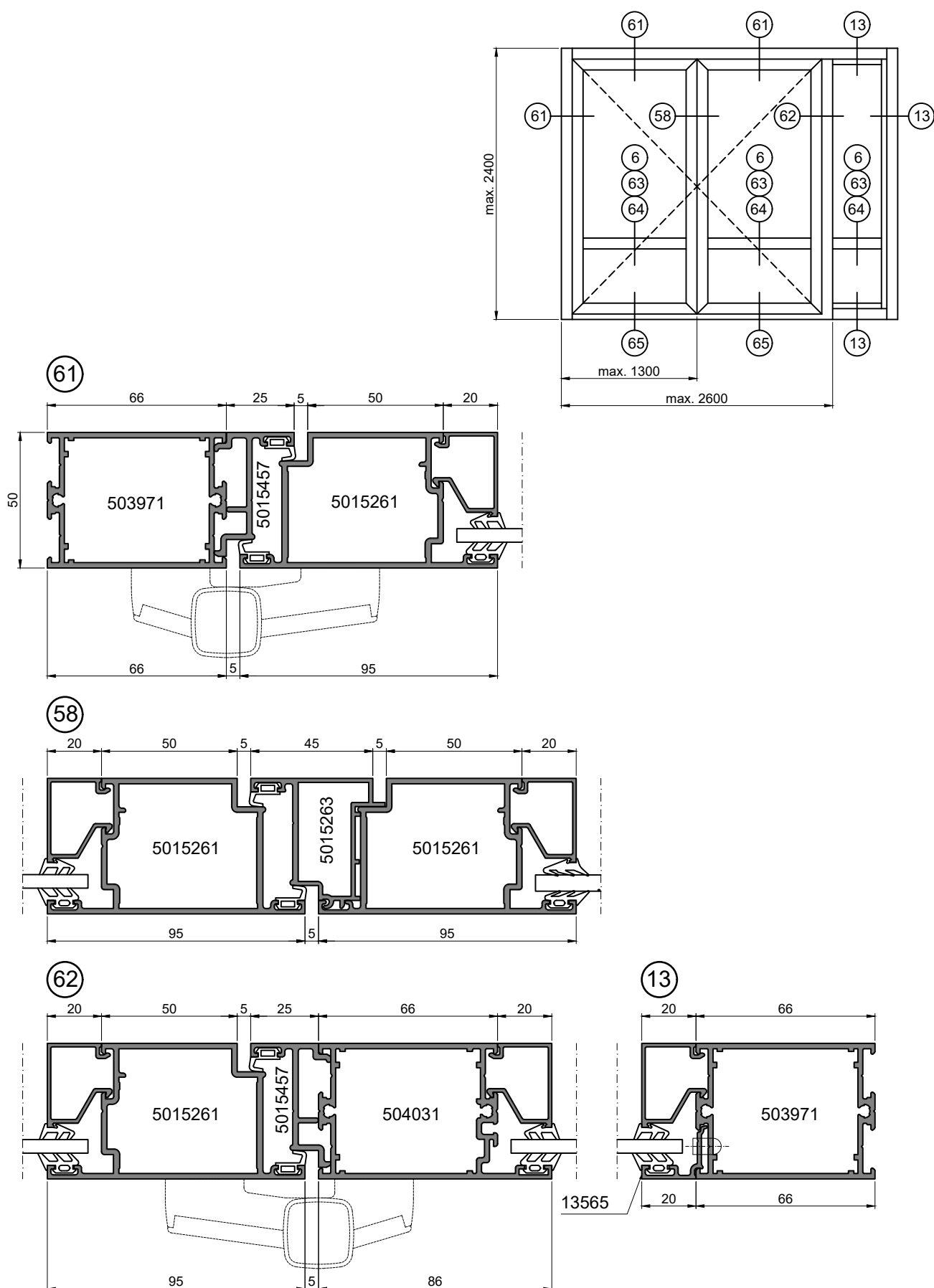


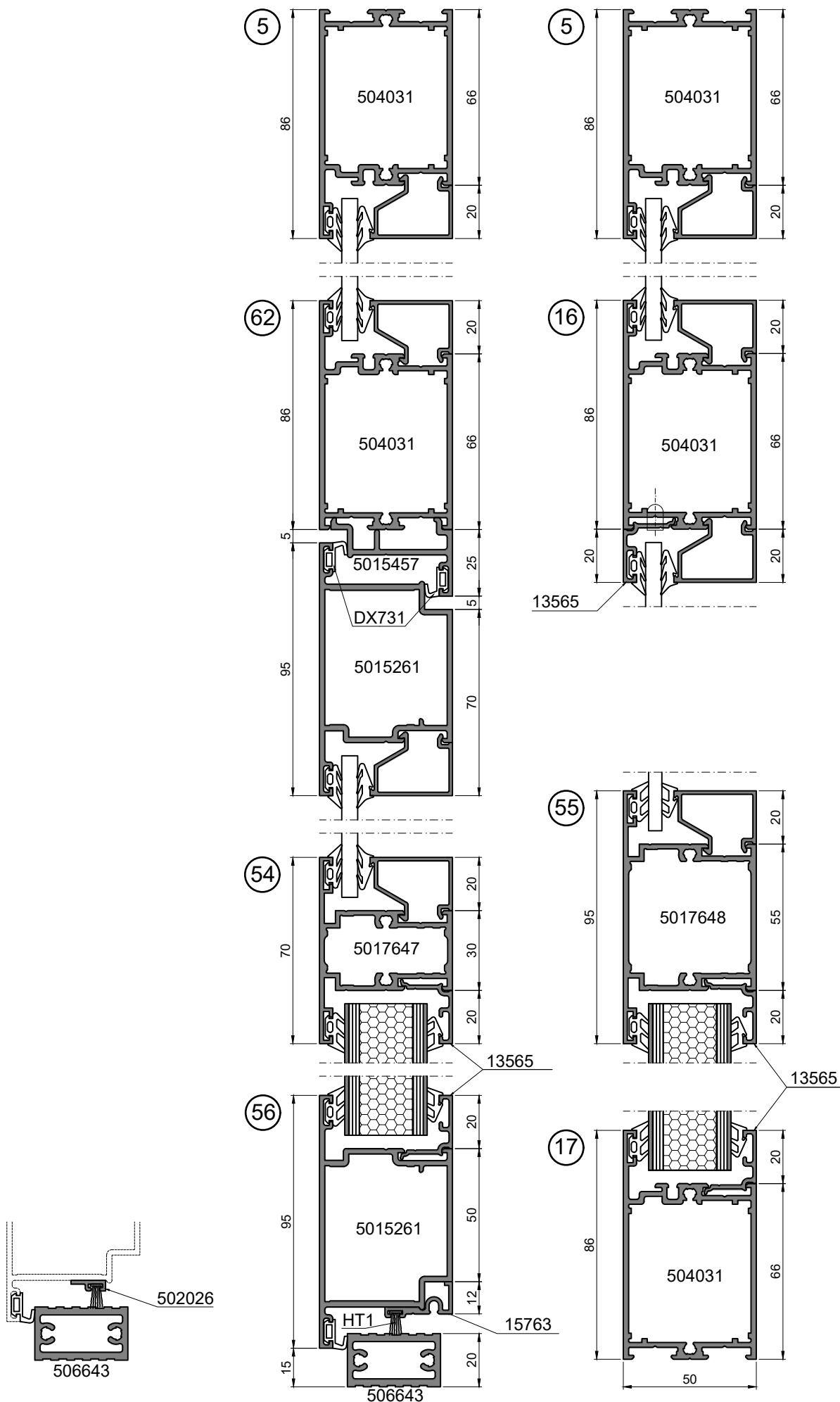
P50 DÖRR MED SIDOLJUS
P50 DOOR WITH SIDE LIGHT



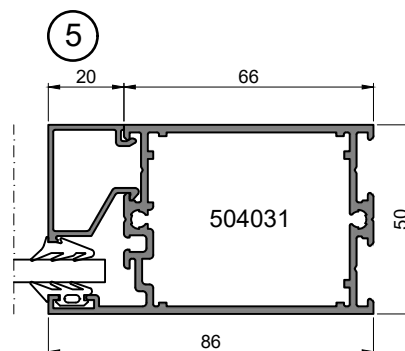
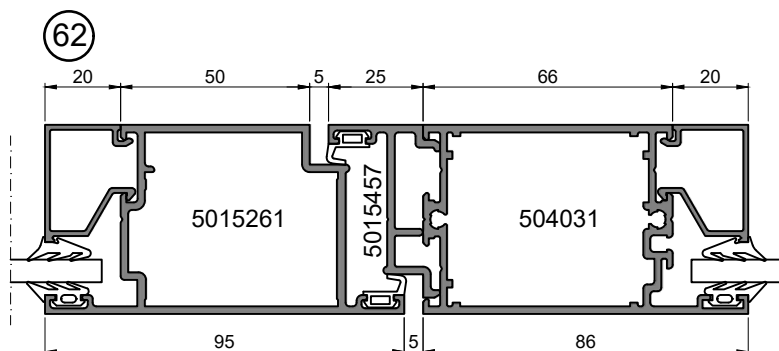
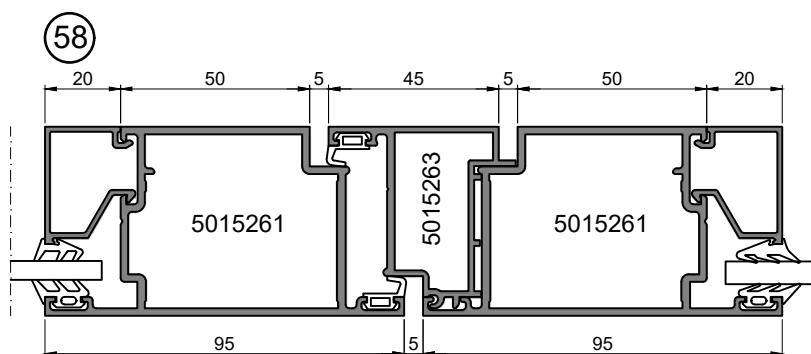
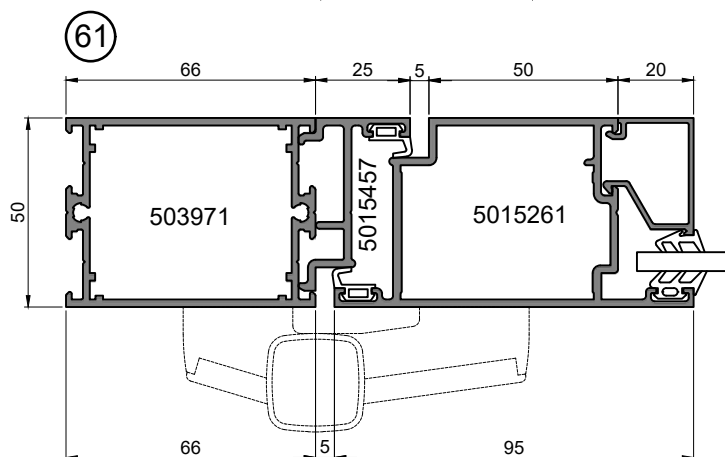
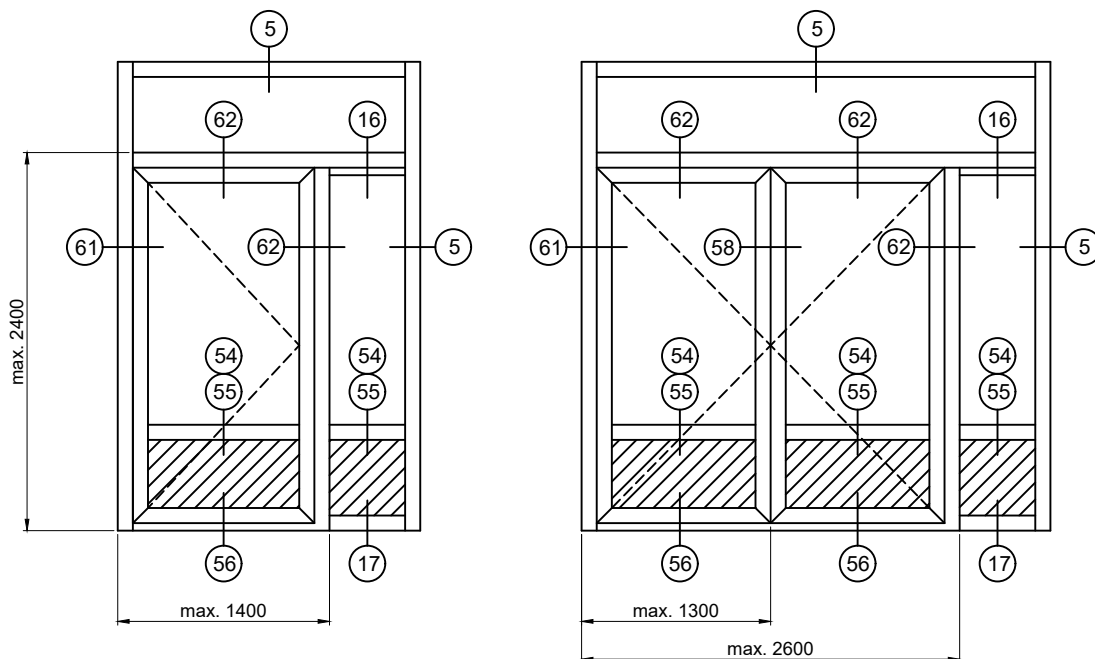


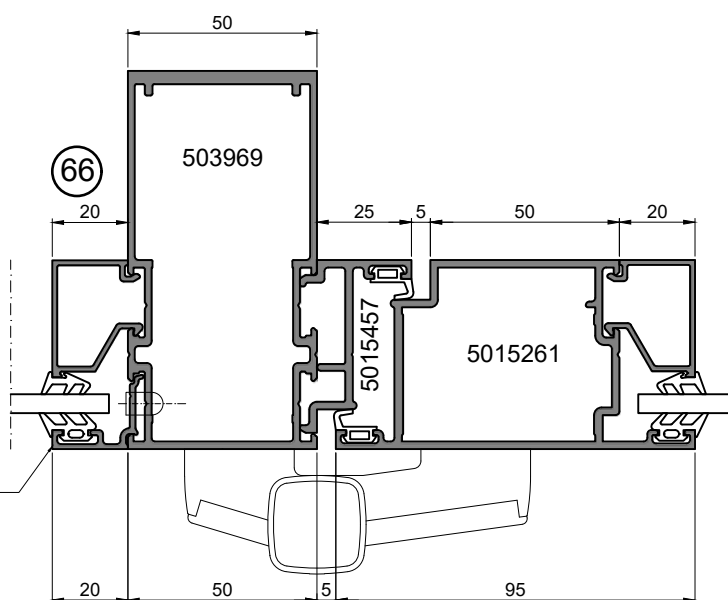
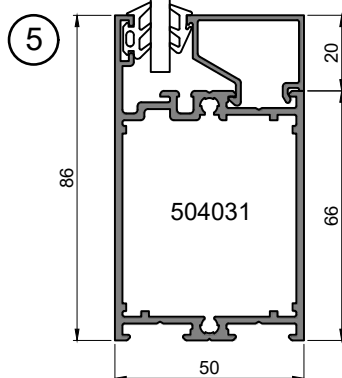
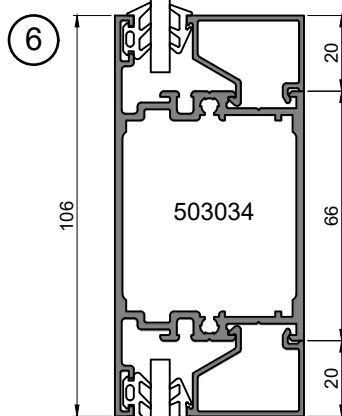
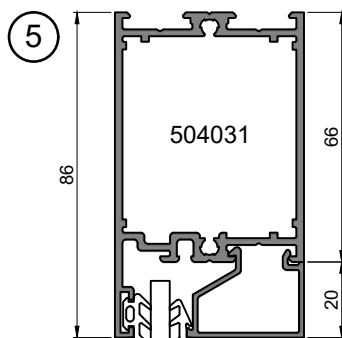
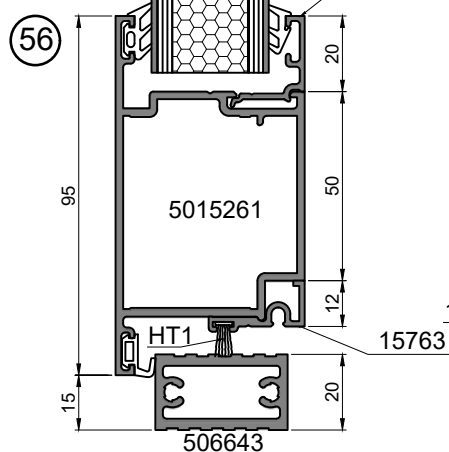
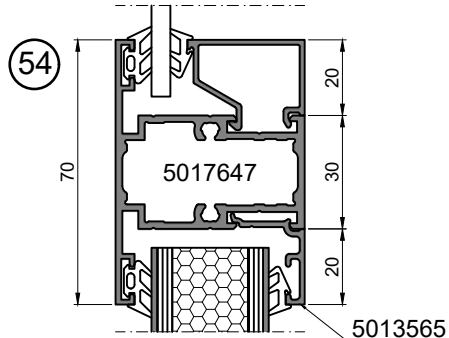
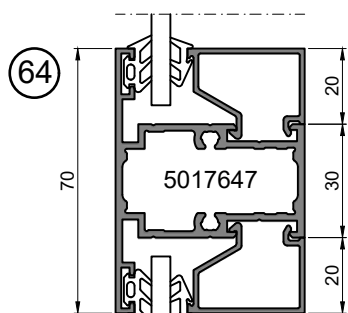
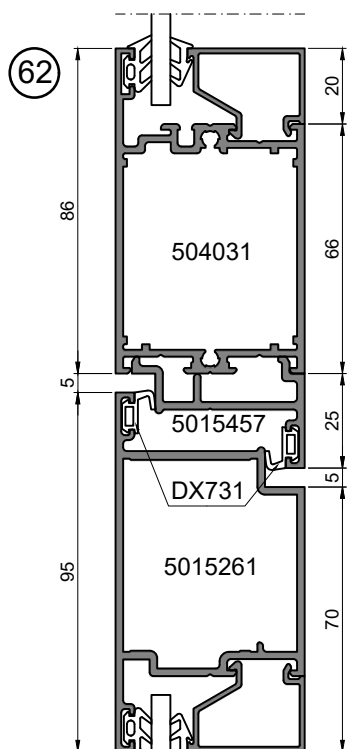
P50 DUBBELDÖRR MED SIDOLJUS
P50 DOUBLE DOOR WITH SIDE LIGHT



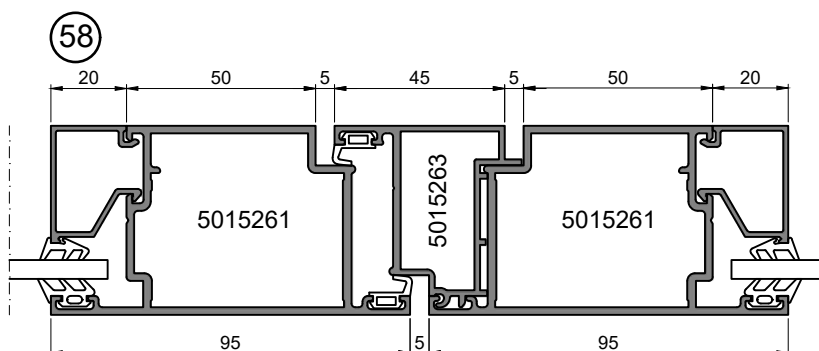
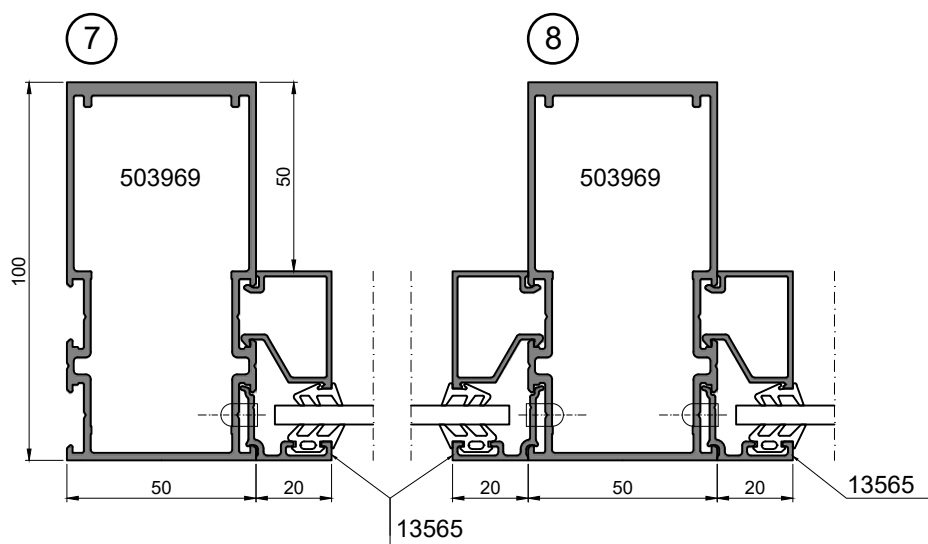
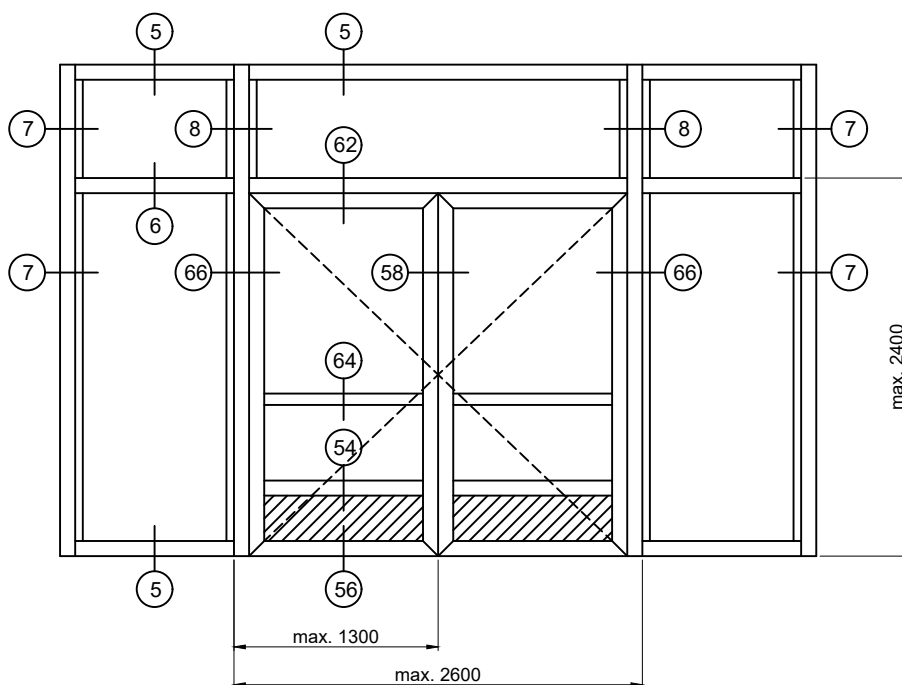


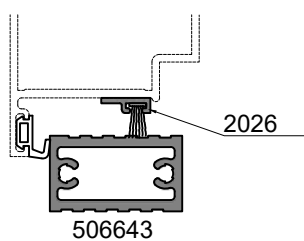
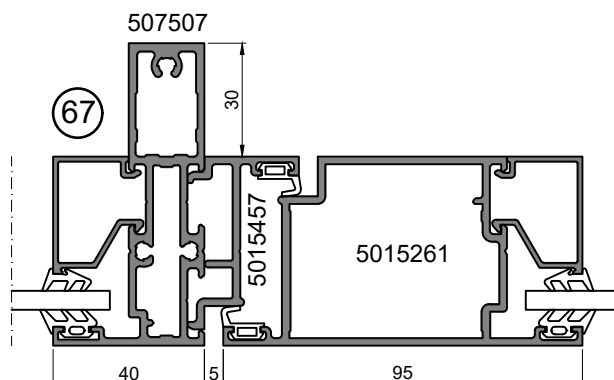
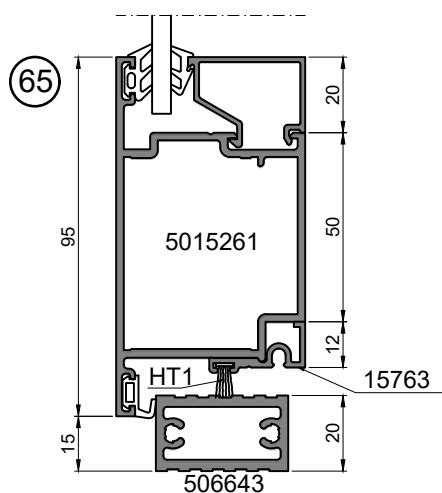
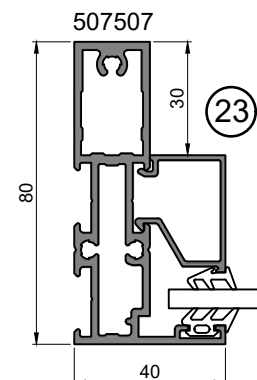
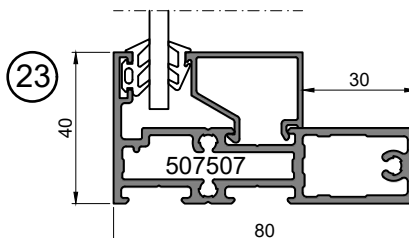
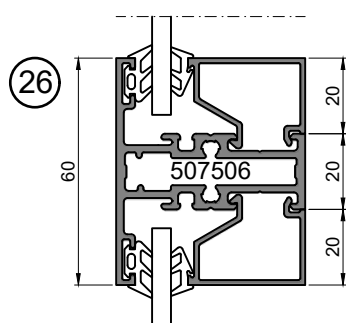
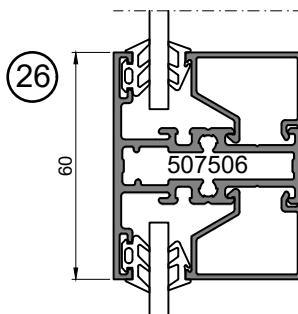
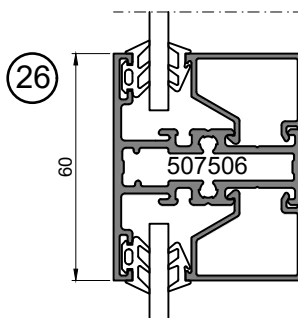
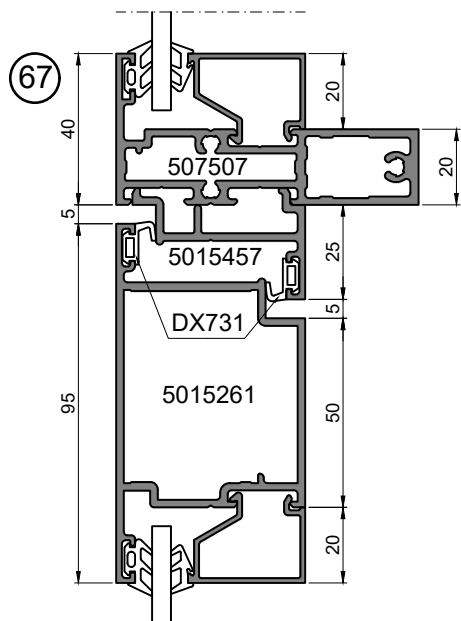
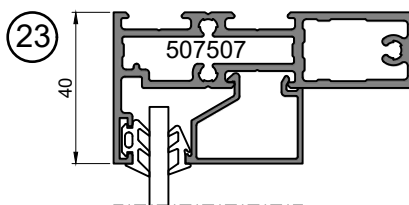
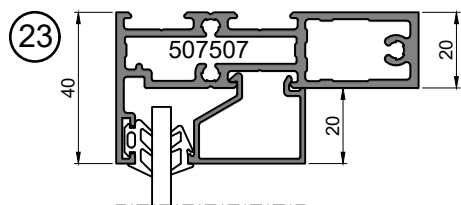
P50 DÖRR MED SIDO- OCH ÖVERLJUS
P50 DOOR WITH SIDE AND UPPER LIGHT



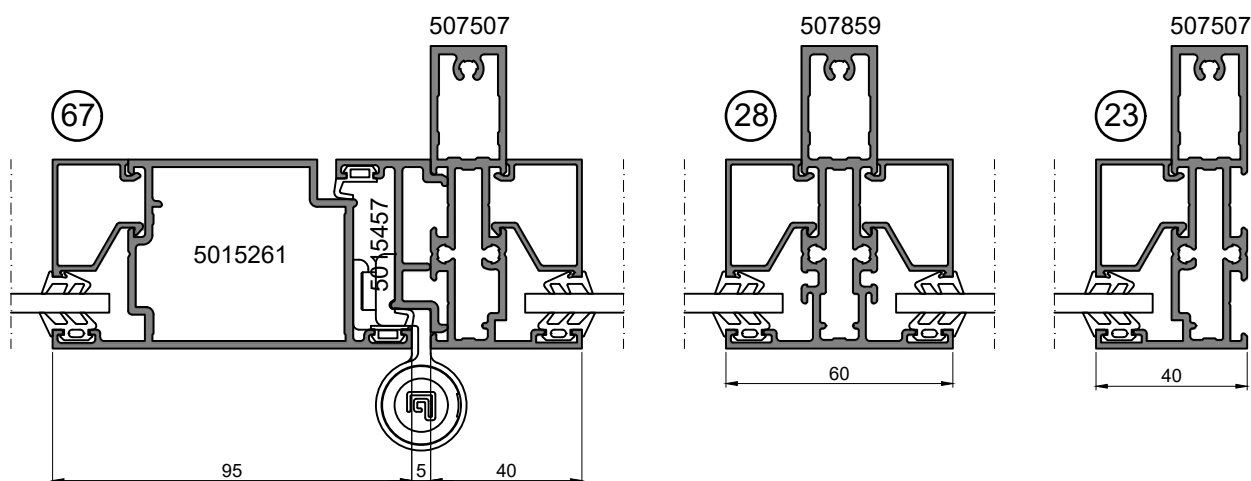
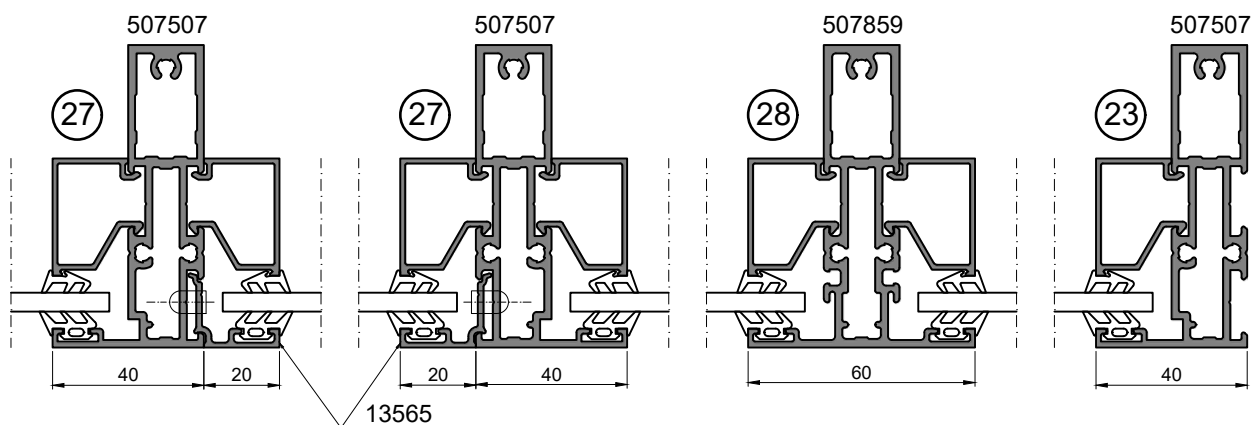
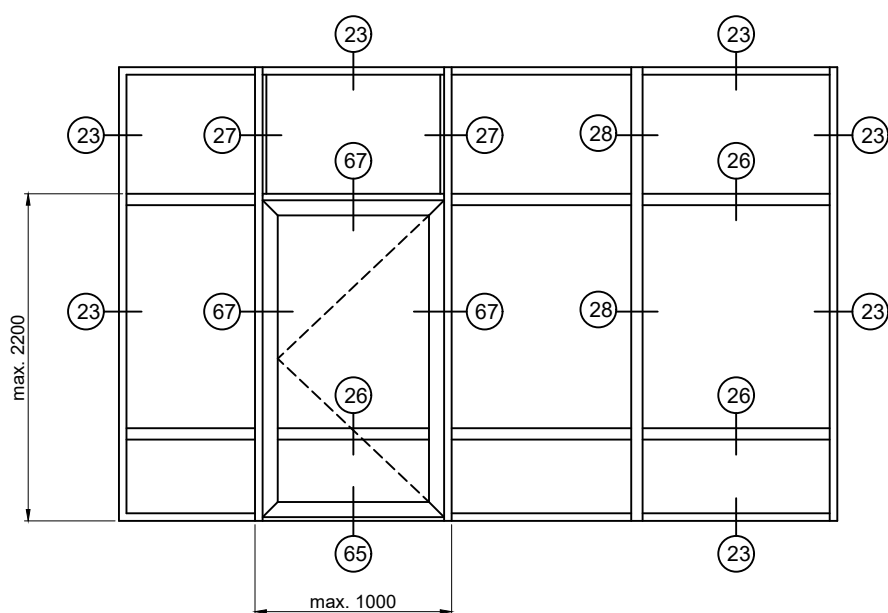


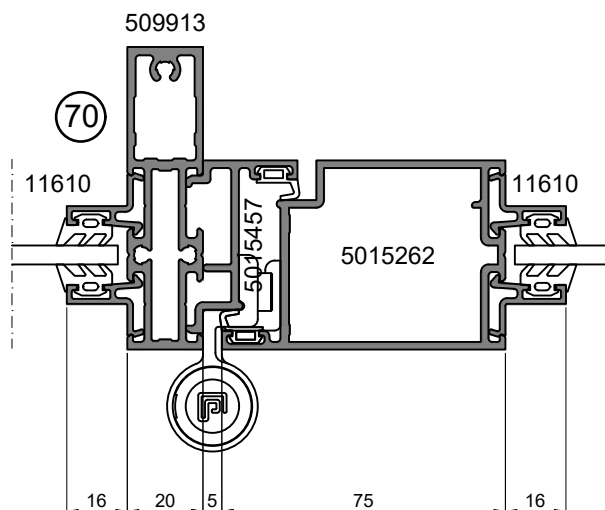
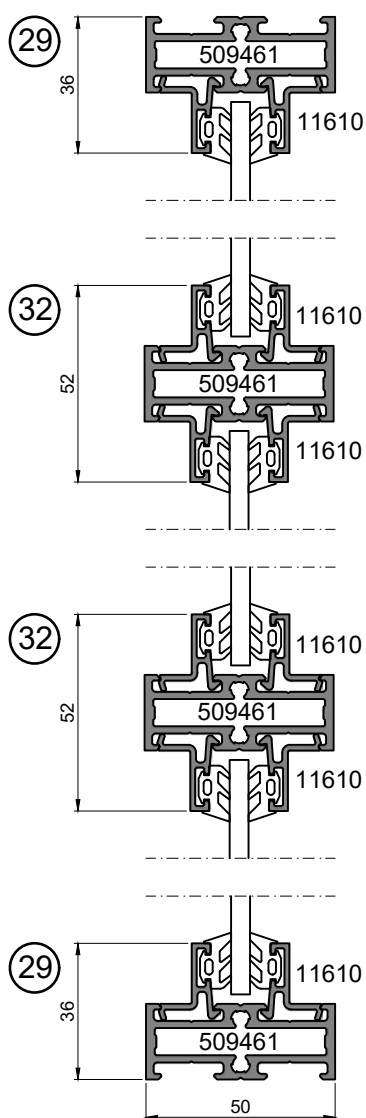
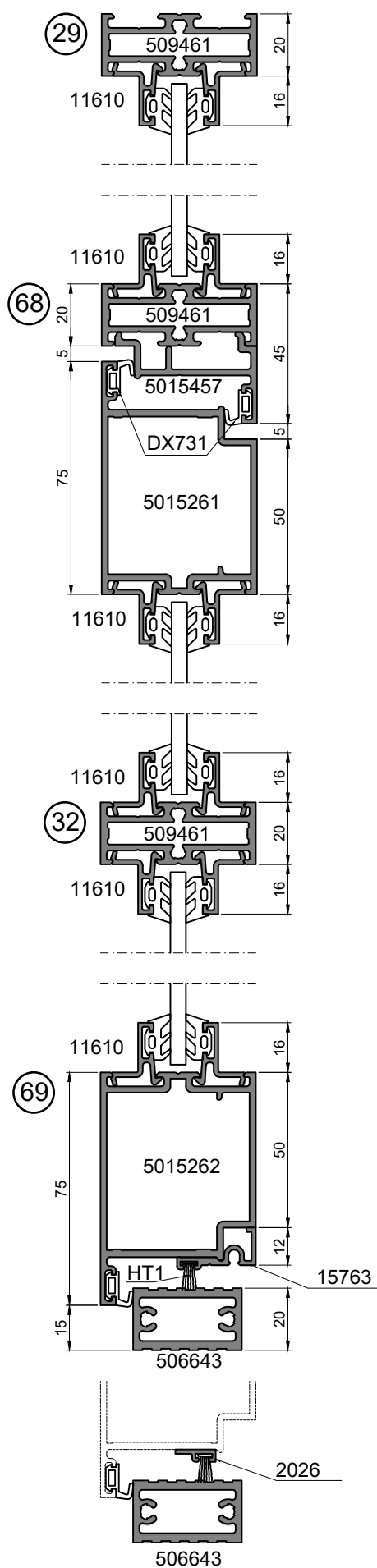
P50 DUBBELDÖRR I GLASVÄGG
P50 DOUBLE DOOR IN A GLASS WALL



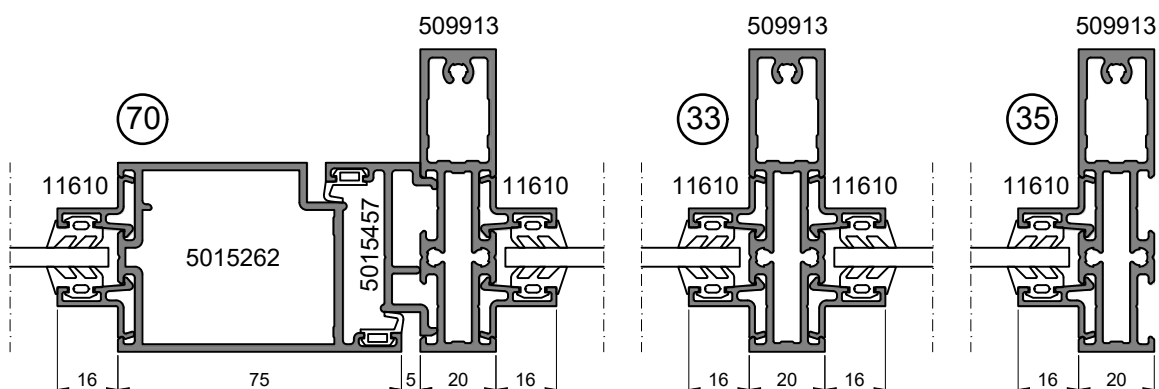
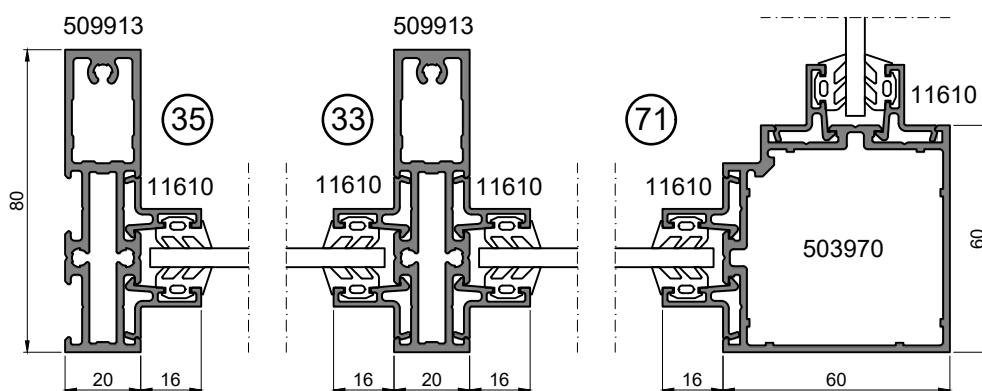
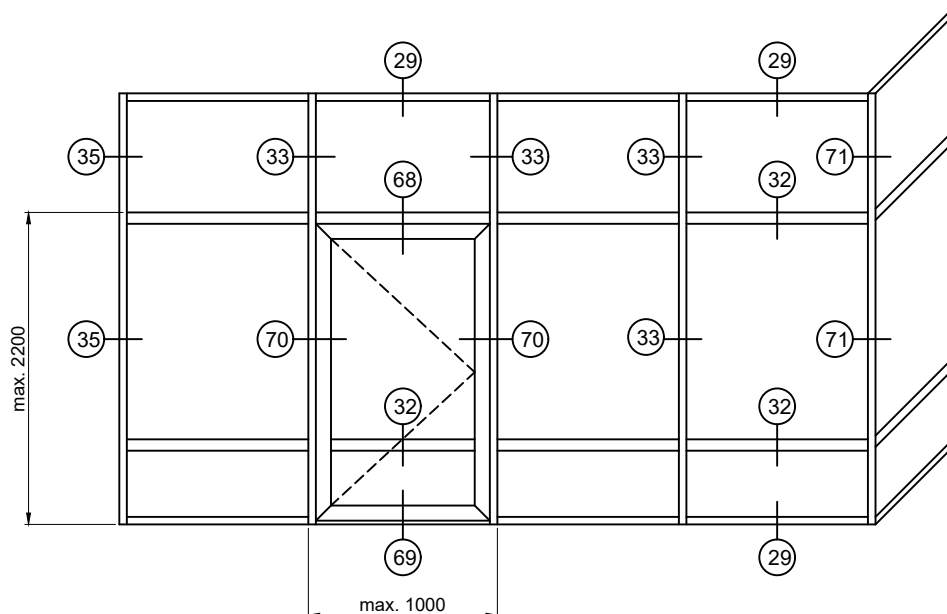


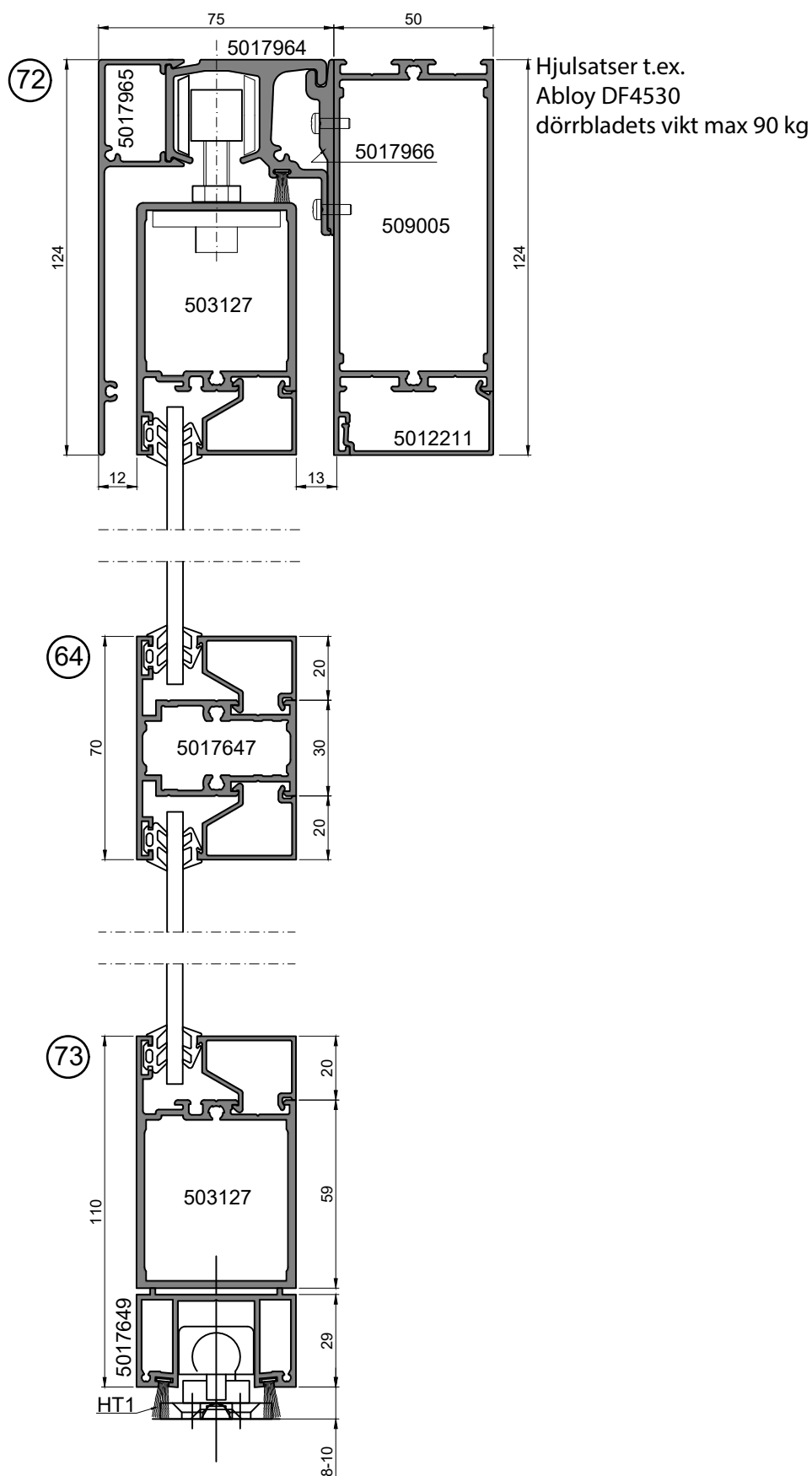
P50 DÖRR I GLASVÄGG
P50 DOOR IN A GLASS WALL



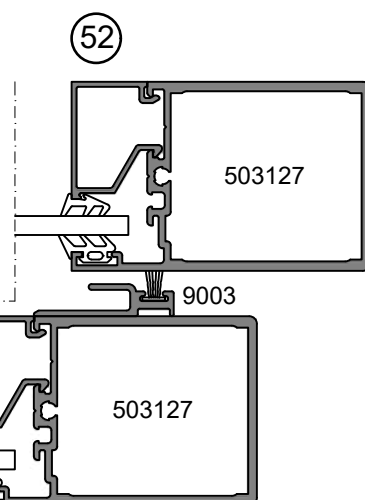
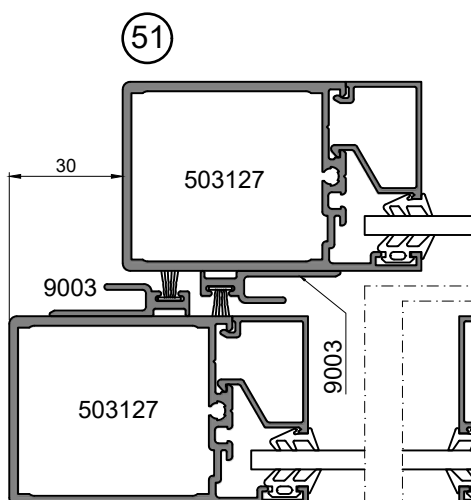
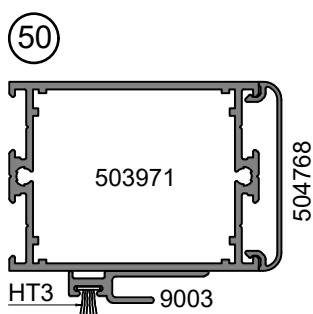
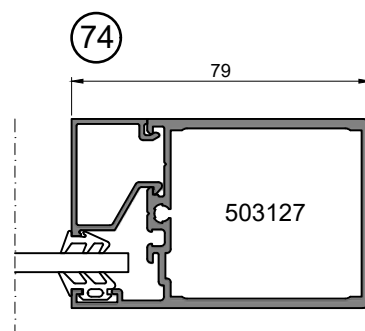
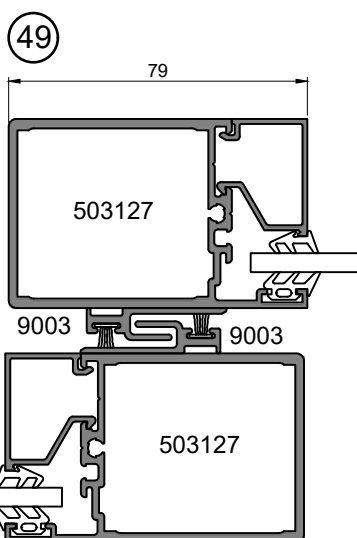
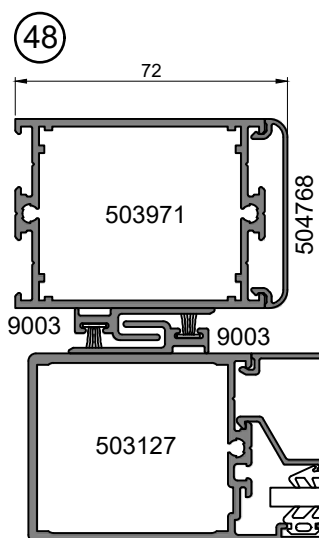
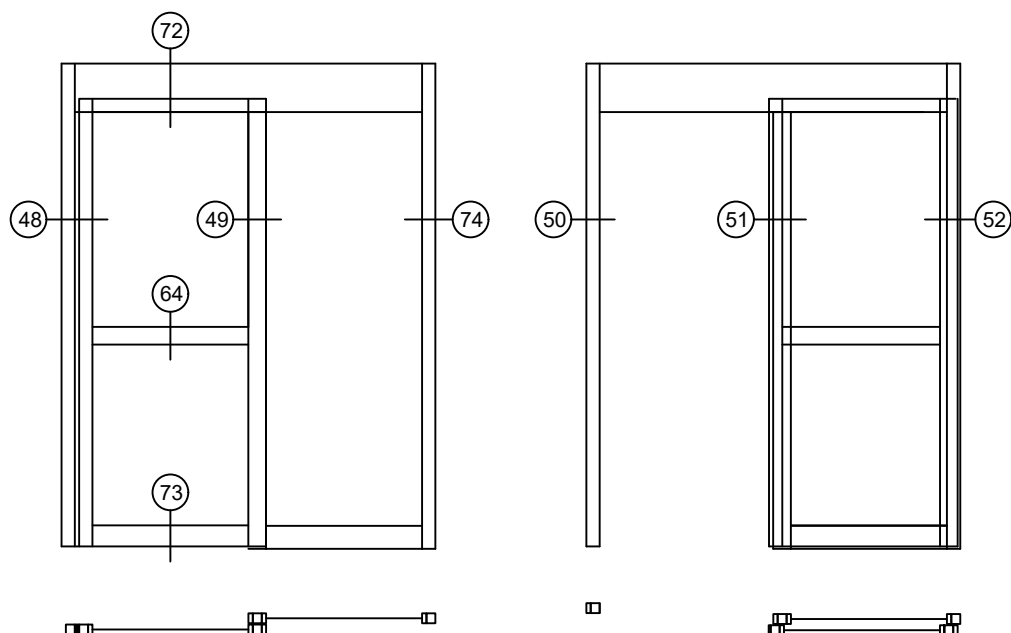


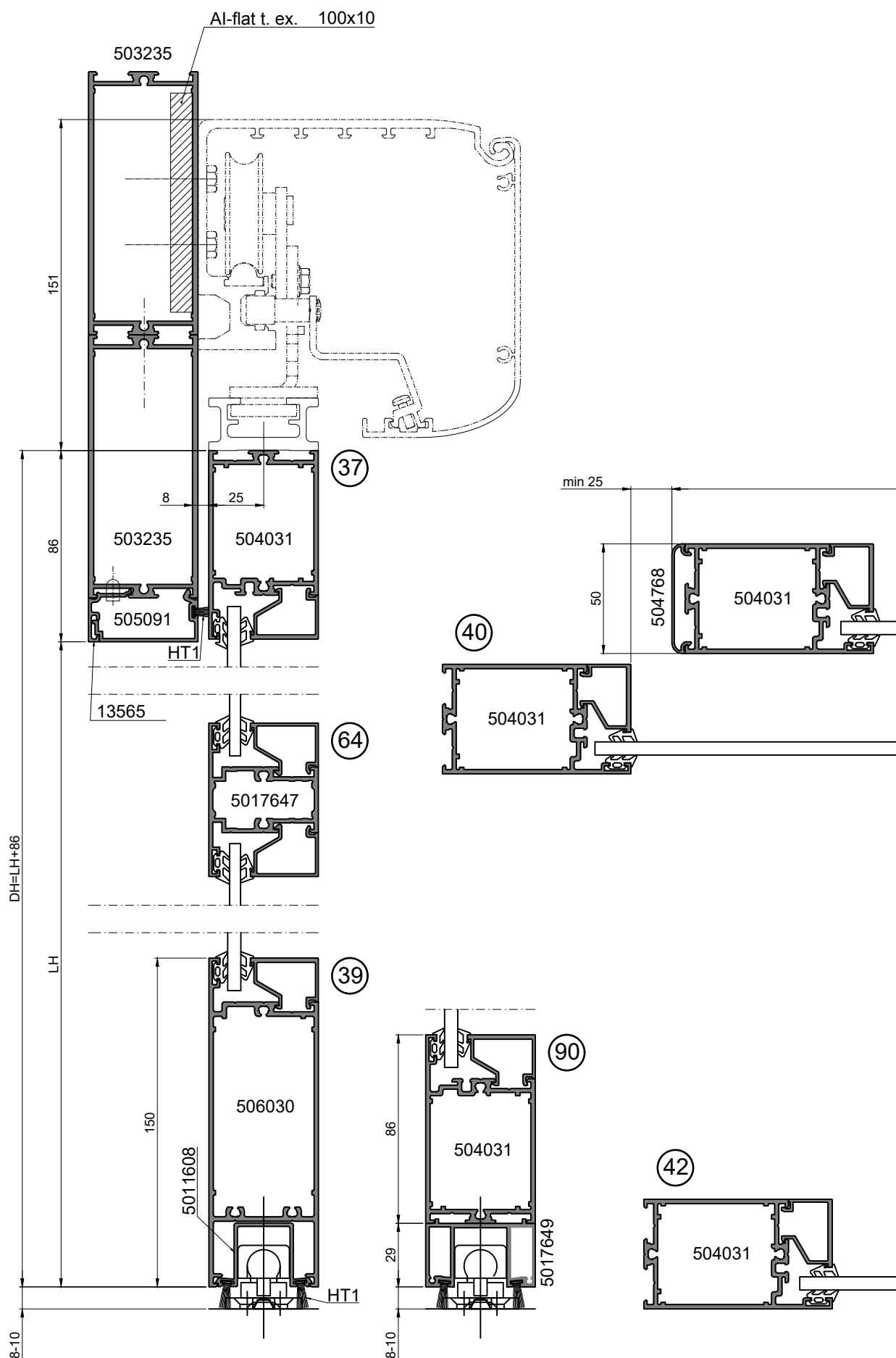
P50 DÖRR I GLASVÄGG
P50 DOOR IN A GLASS WALL



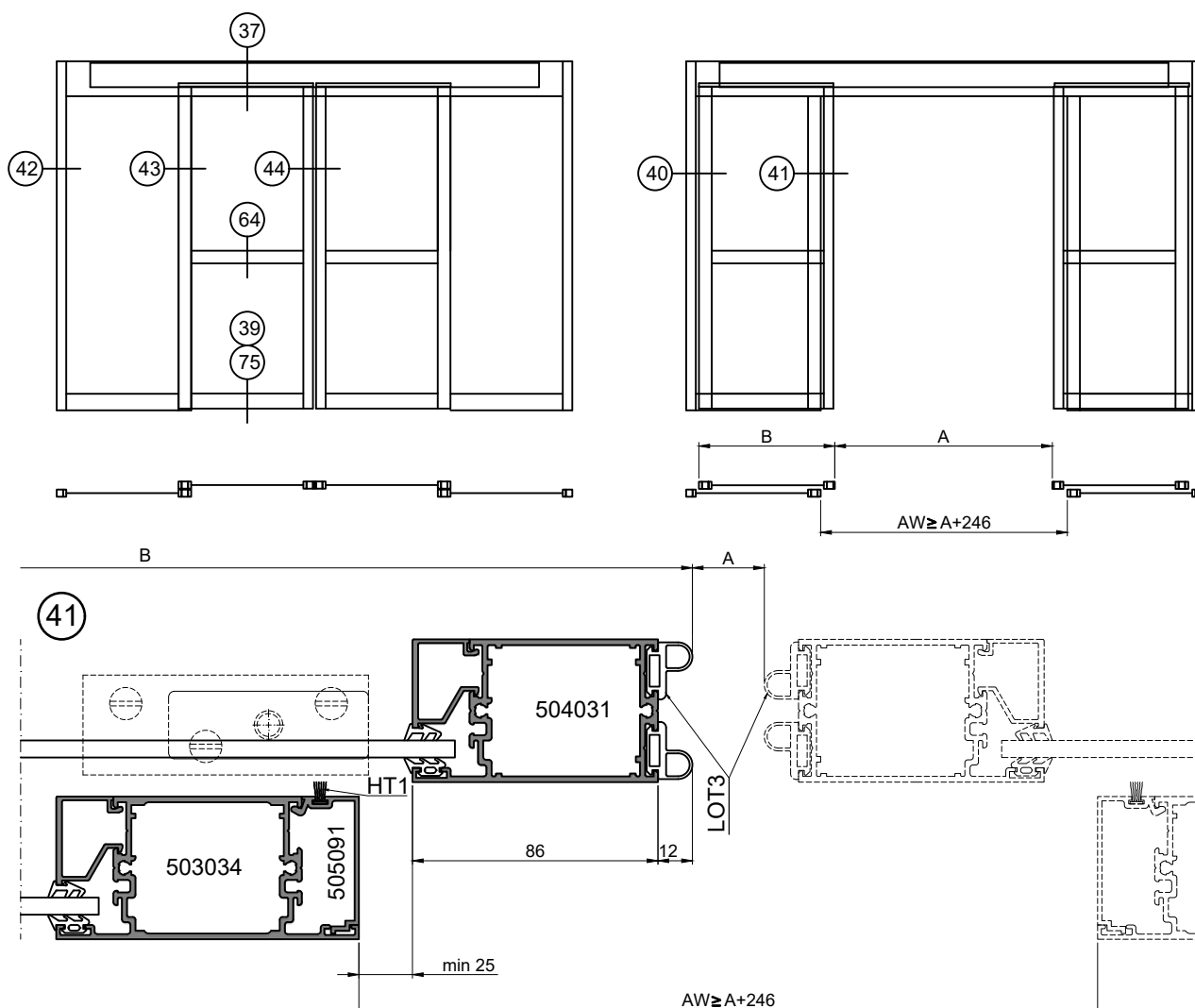


P50 SKJUTDÖRR
P50 SLIDING DOOR



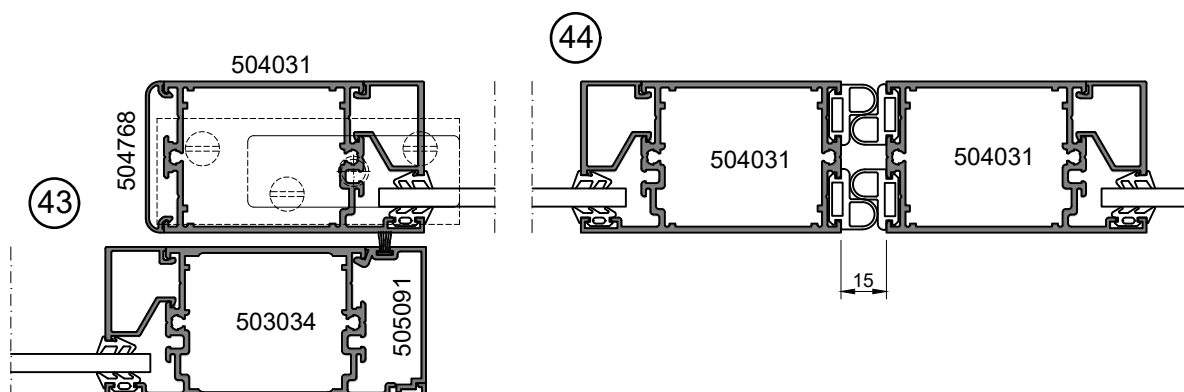


P50 SKJUTDÖRR MED BESAM UNISLIDE/2 ÖPPNARE
P50 SLIDING DOOR WITH BESAM UNISLIDE-2 OPERATOR



A = dörröppningens bredd (900-2800 mm)
 B = dörrbladets bredd
 AW = bredden på öppningen i den fasta delen
 LH = öppningens höjd
 DH = dörrbladets höjd

A = door travel (900-2800 mm)
 B = door leaf width
 AW = aperture width, fixed screen
 LH = clear opening height
 DH = door leaf height

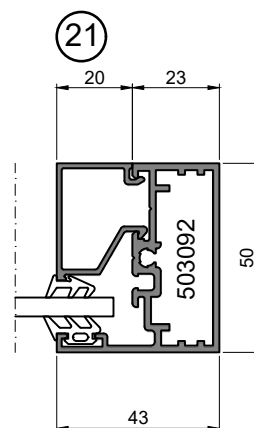
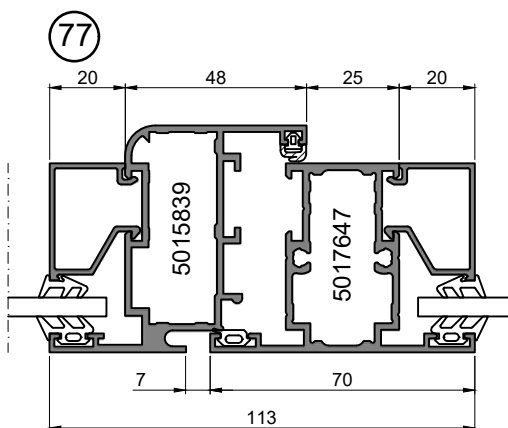
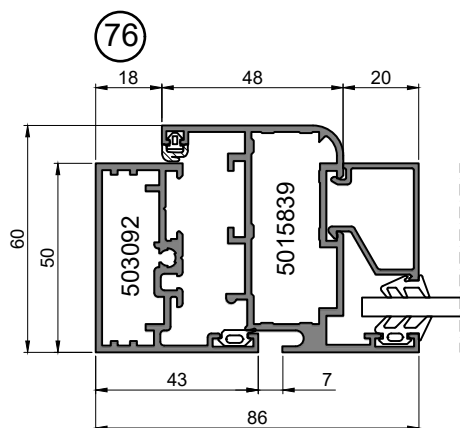
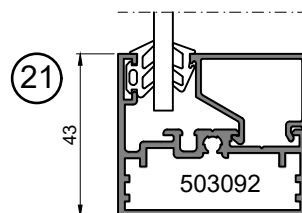
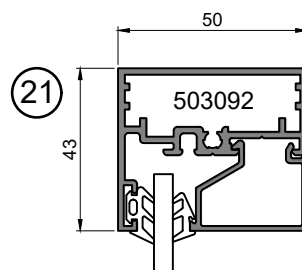
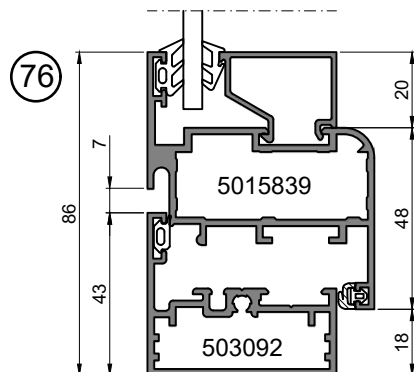
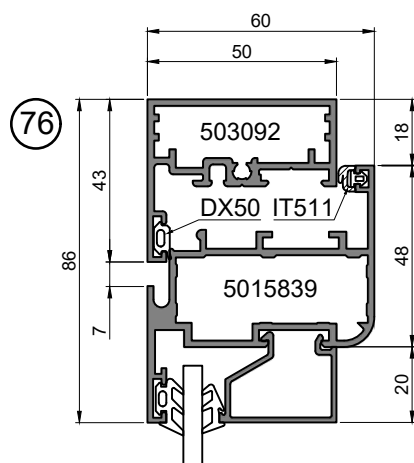
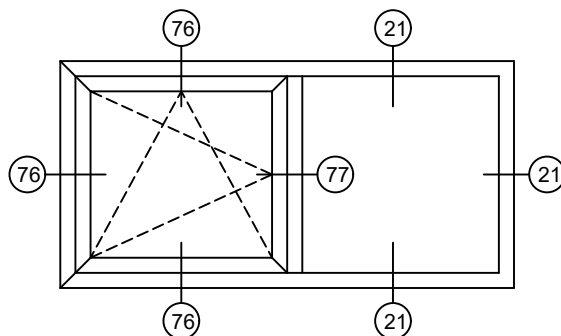


P50 ÖPPNINGSBART FÖNSTER

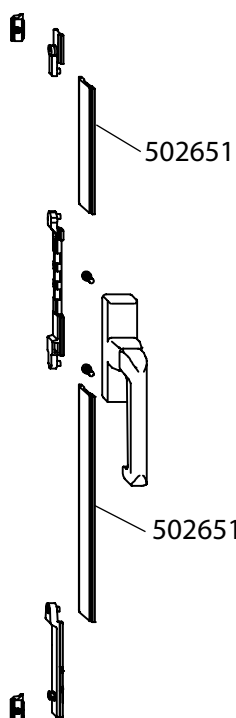
- sidohängt
- sido-/underhängt

P50 OPENABLE WINDOW

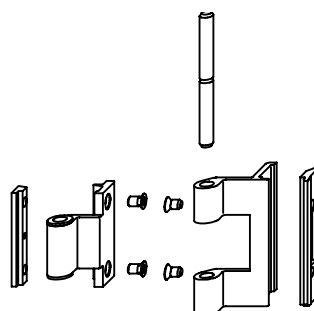
- side hung
- side / bottom hung



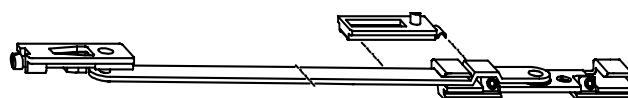
FÖNSTERBESLAG FITTINGS FOR WINDOWS



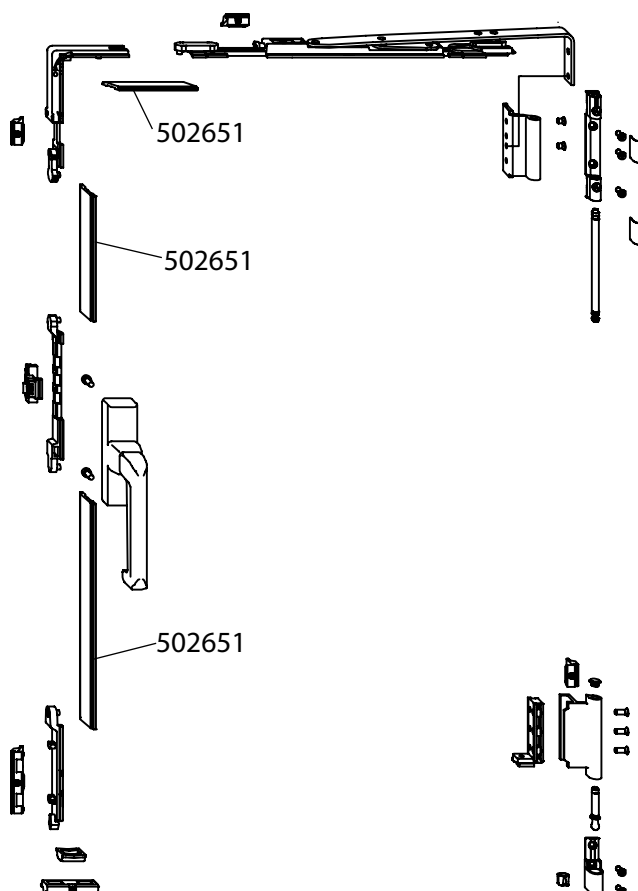
Siegenia handtag
Siegenia side hung fitting



FASA gångjärn
FASA hinge



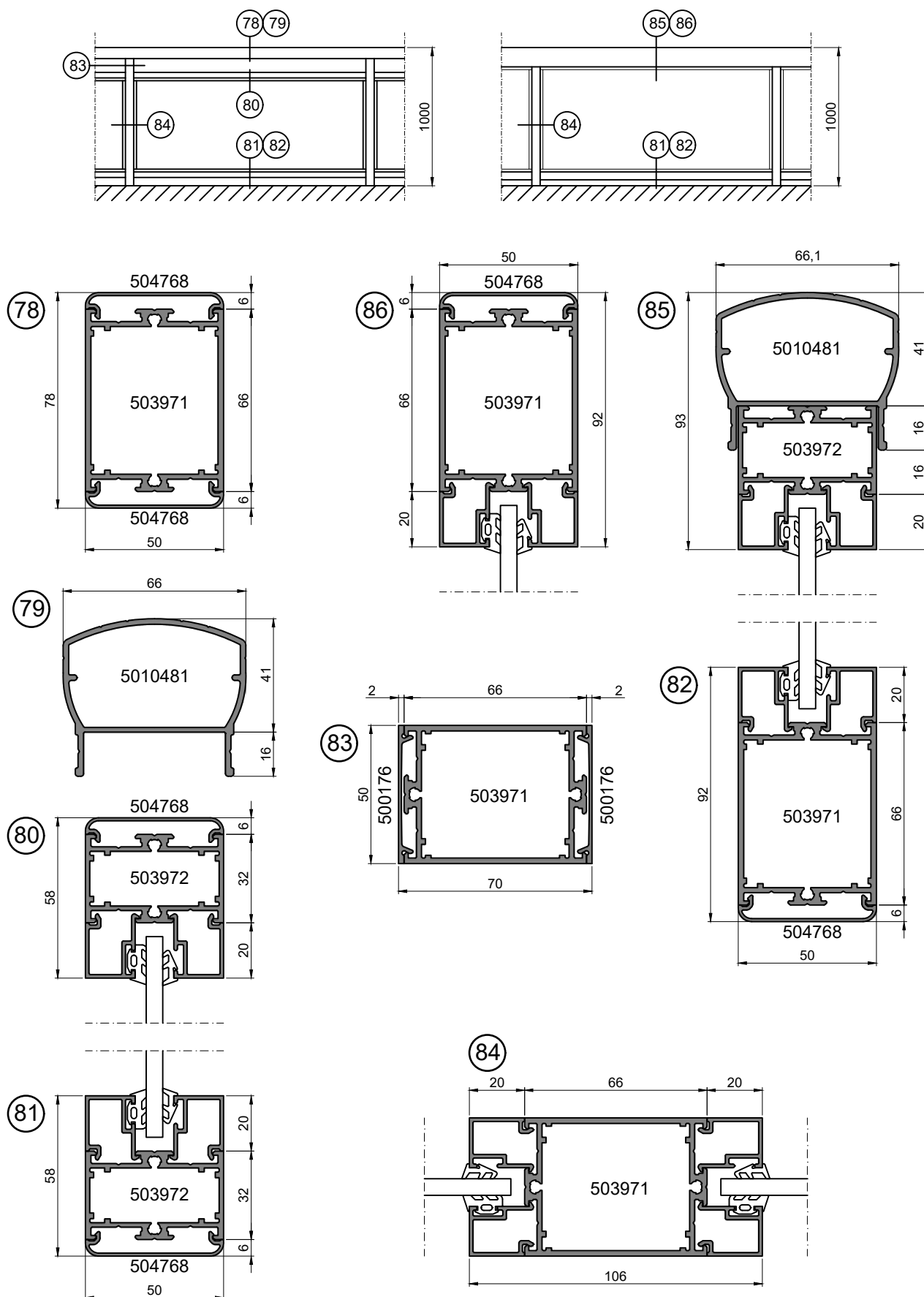
Siegenia öppethållningsanordning
Siegenia limit stay / friction stay



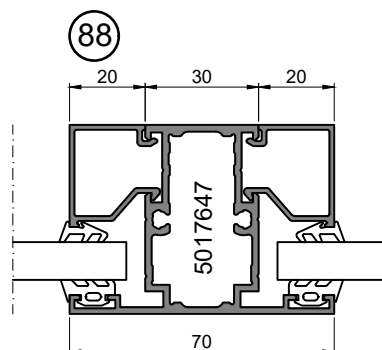
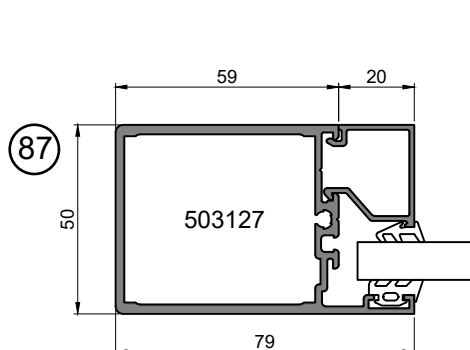
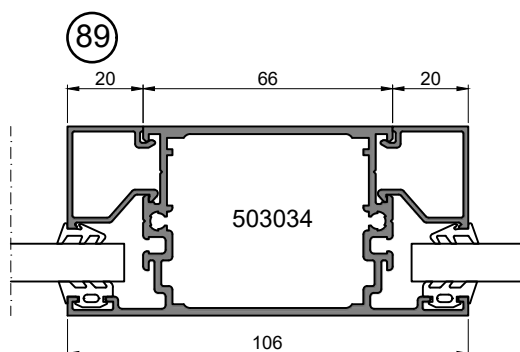
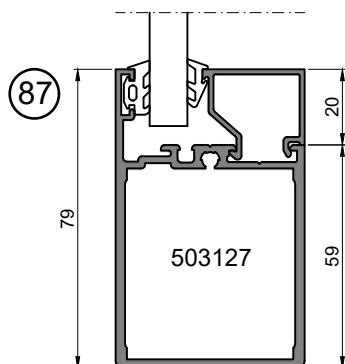
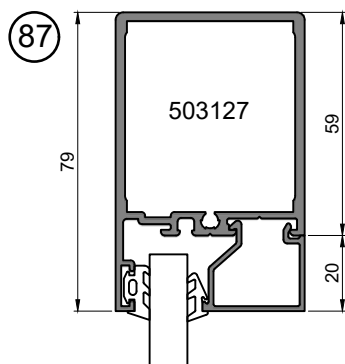
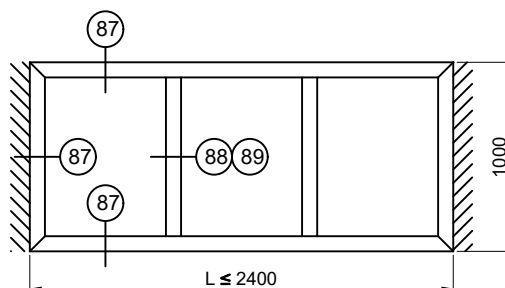
Siegenia LM 4200 sido-/underhängd beslagsserie
Siegenia LM 4200 side/bottom hung fitting

GLIGSKENA 502651 INGÅR INTE I BESLAGSSERIEN. MÅSTE BESTÄLLAS SEPARAT.

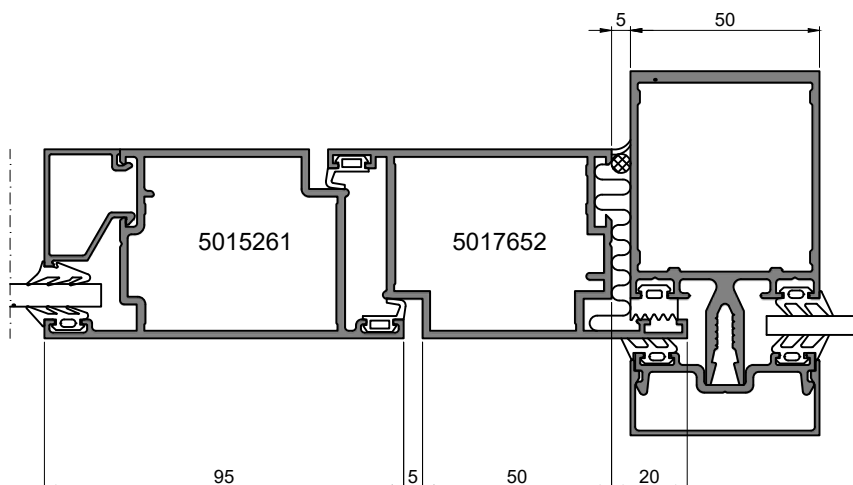
**P50K RÄCKE
P50K RAILING**



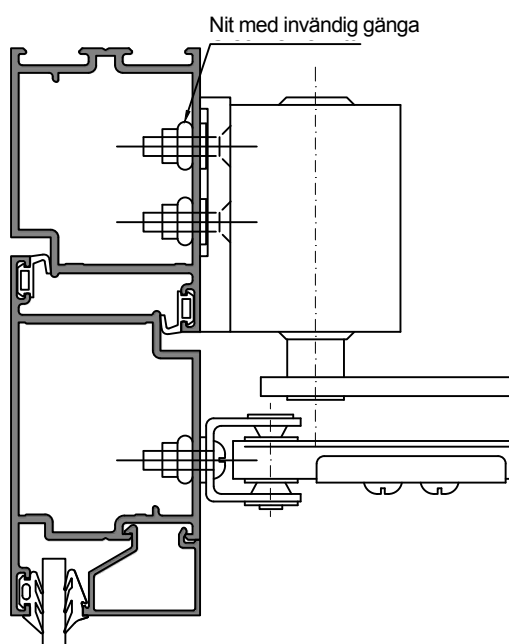
P50K RÄCKE
P50K RAILING



INTEGRERING AV P50-DÖRREN I P50L-SERIEN
JOINING P50-DOOR TO P50L-SERIES



INFÄSTNING AV DÖRRSTÄNGARE
DOOR CLOSER MOUNTING



GLASNINGSANVISNING

Före glasning ska du försäkra sig om att glasfalsarna, glaslisterna och glasytorna är rena och torra.

Glasning med tätningsband eller tätningsmassa

Tätningsbandets hörn- och skarvställen tätas till med tätningsmassa. Tätningsband ska alltid användas tillsammans med tätningsmassa.

Glasning med tätningsformband

Vid kapning av tätningsformband ska reserveras en krympmån på ca 5 mm per meter. Tätningsbandets hörn- och skarvställen limmas och tätas till med tätningsmassa. Materialet på de tätningsband som vi levererar är av EPDM-gummi. Tätningsformbanden i fråga är mycket beständiga mot temperaturförändringar, värme och åldrande. Installation av tätningsformbanden utförs på följande sätt:

Utvändig glastätning PX1 eller PX2 passas in i profilspåret.

Efter installation av glaset och glaslisterna passas invändig PX4 eller PX5 tätning för eftermontering på plats.

Fastsättning av tätningar för eftermontering kan underlättas med silikonspray eller annat motsvarande glidmedel.

Kilning

Kilarna installeras så att de på ett ändamålsenligt sätt stöder, centrerar och bär upp glaselementet eller isolerrutan i bågen eller karmen samt säkrar att fönstret eller dörren håller sin rätta form.

Kiltyper:

- uppbärningskilar som överför glasrutans vikt till stommen
- stödkilar säkerställer att glasrutan håller sig på plats
- transportkilar som håller glasrutan på rätt plats i fönsterelementet under transporten.

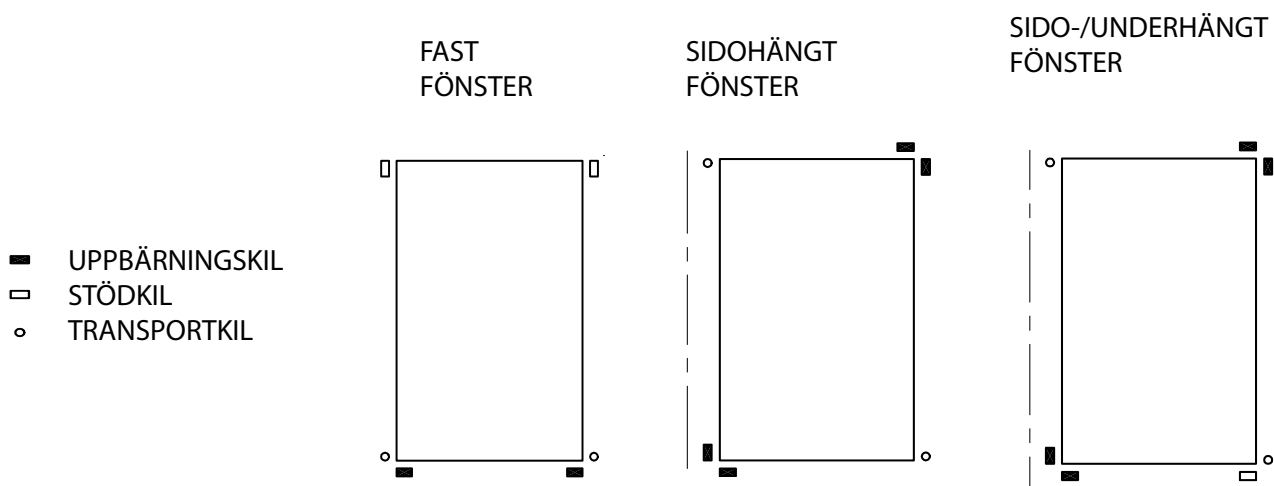
Uppbärningskilarna tillverkas av gummi som har hög tålighet mot värme och temperaturväxlingar, med en hårdhet av 70°-90° Shore A eller annat motsvarande material.. Uppbärningskilarnas längd är 50-100 mm och längden väljs så att kilarna bär upp och stöder isolerrutan över hela dess tjocklek. Uppbärningskilarnas tjocklek är minst 5 mm.

Stöd- och transportkilarna ska vara flexibla i tjockleksriktningen och de får inte störa uppbärningskilarnas funktion. Stödkilarna hindrar glasrutan att röra sig när den används. Stöd- och transportkilarnas längd är minst 100 mm och längden den samma som på uppbärningskilarna.

Installation av kilar

Uppbärnings-, stöd- och transportkilarna placeras enligt principen i bilderna nedan. Kilarna placeras på ett avstånd av 50-100 mm från isolerrutans hörn. Vid industriell glasinnsättning markeras platserna tydligt på karmen.

PLACERING AV KILAR



GLAZING INSTRUCTIONS

Before commencing glazing, it must be ensured that glass rebates, glazing beads and glass panes are clean and dry.

Glazing with sealing strip and sealing compound

Sealing strip joints are to be glued and sealed with sealing compound. Rebate sealing compound must always be used with sealing strip.

Glazing with profile sealing strip

An allowance for shrinkage (ca. 5 mm/m) must be made when cutting lengths of profile sealing strips. Joint are to be glued and sealed with sealing compound. The material of the sealing we provide is EPDM rubber. These profile strips are highly resistant to temperature changes, heat and ageing.

Installation of strips is as follows:

Exterior glazing strips PX1 or PX2 are fitted into the profile groove.

When the glass pane and glazing beads have been installed, retrofit strip PX 4 or PX5 is fitted.

A silicone spray or equivalent may be used to facilitate the installation of the retrofit strip.

Padding

Padding is intended to support, centre and bear the glass pane or sealed glazing unit in the casement or frame as designed, and to ensure the permanence of the shape of a window or door.

Pad types:

- bearing pads that transmit the weight on the pane to the frame
- lock pads that hold the pane in place
- transport pads that ensure that the glass pane remains on place in the window element during transport.

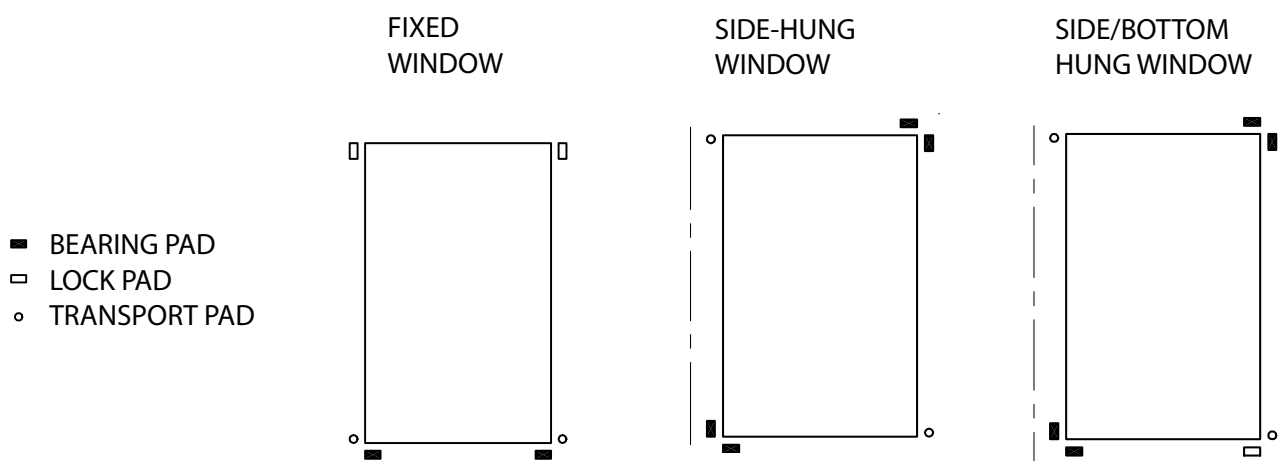
Bearing pads are made of plastic (70° to 90° Shore A hardness) or equivalent which is resistant to weather and changes in temperature. The pads are 50-100 mm length and of an appropriate width to support the sealed glazing unit across its entire thickness. Bearing pads are to be at least 5 mm thick.

Lock and transport pads are to be of appropriate thickness and must not obstruct functioning of bearing pads. The lock pads prevent the glass pane from moving in use. Lock and transport pads are at least 100 mm long and as wide as bearing pads.

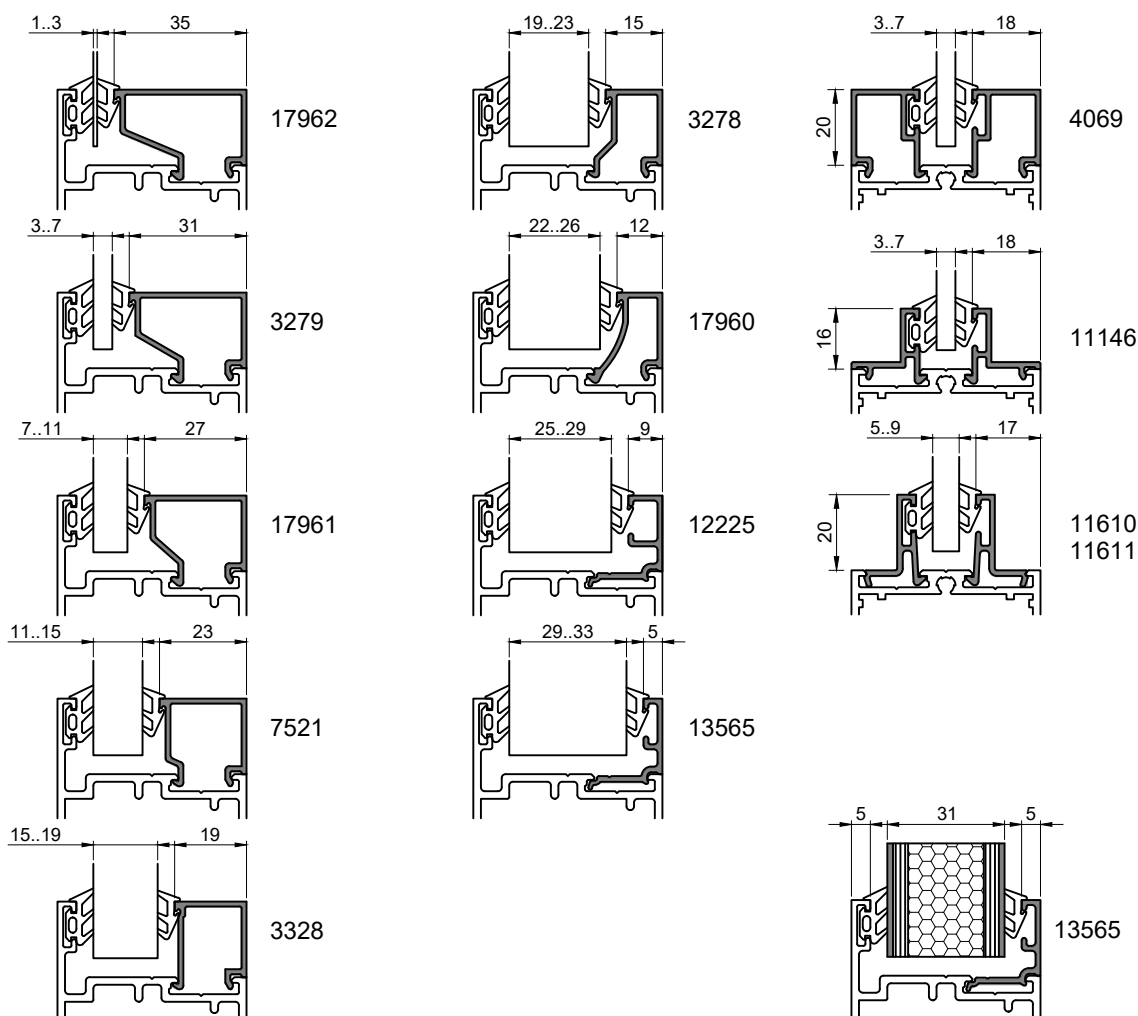
Installation of pads

Positioning of bearing, lock and transport pads is shown in illustration. The pads are placed at a distance of 50 to 100 mm from the corners of sealed glazing units. In factory-glazing the positions of bearing pads are marked clearly on the frame.

PAD POSITIONING

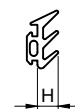


VAL AV GLASNINGSLISTER OCH TÄTNINGAR SELECTING GLAZING BEADS AND SEALINGS



Glasets övergripande tjocklek
Thickness of glass

Glasningslist Glazing bead	PX2 + PX5	PX2 + PX4	PX1 + PX5	PX1 + PX4
17961	-	1..2	1..2	3
3279	3..4	5..6	5..6	7
17961	7..8	9..10	9..10	11
7521	11..12	13..14	13..14	15
3328	15..16	17..18	17..18	19
3278	19..20	21..22	21..22	23
17960	22..23	24..25	24..25	26
12224	25..26	27..28	27..28	29
13565	29..30	31..32	31..32	33
4069	3..4	5..6	5..6	7
11146	3..4	5..6	5..6	7
11610	5..6	7..8	7..8	9
11611	5..6	7..8	7..8	9



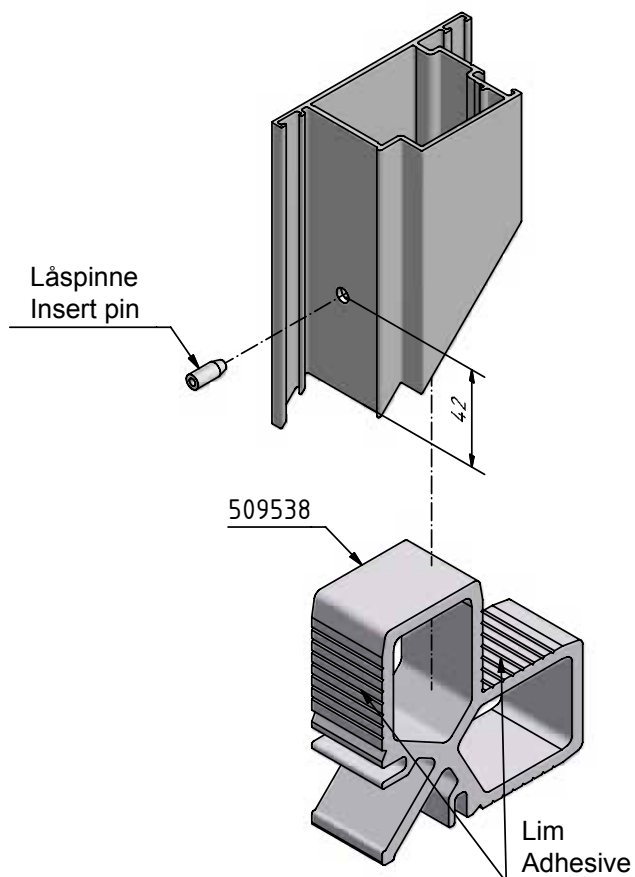
PX1	PX2
H=3..4	H=5..6



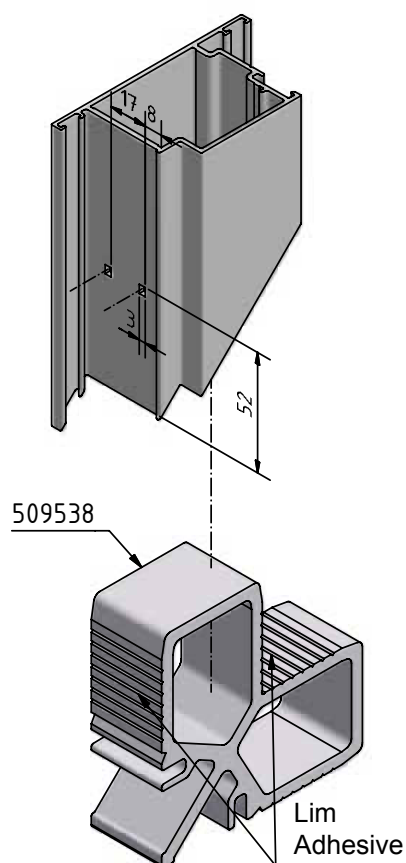
PX4	PX5
H=3	H=4

EXEMPEL PÅ GERINGS- OCH T-DETALJER MITRE AND T-JOINT EXAMPLES

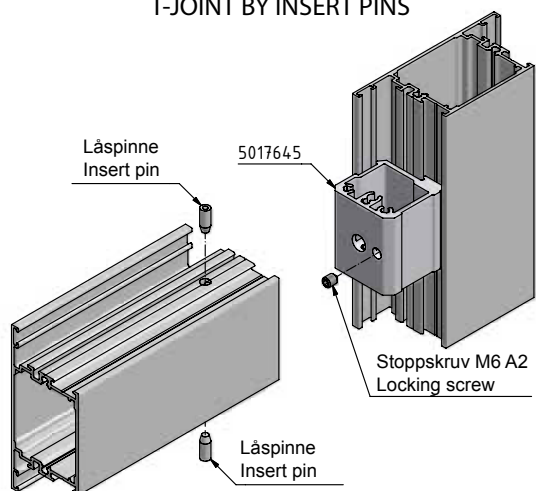
GERING MED LÅSPINNAR
MITRE JOINT BY INSERT PINS



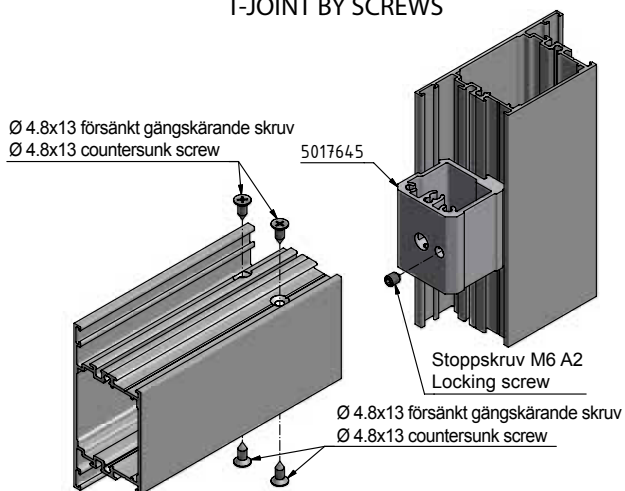
GERING MED VINKELPRESS
MITRE JOINT BY PRESSING



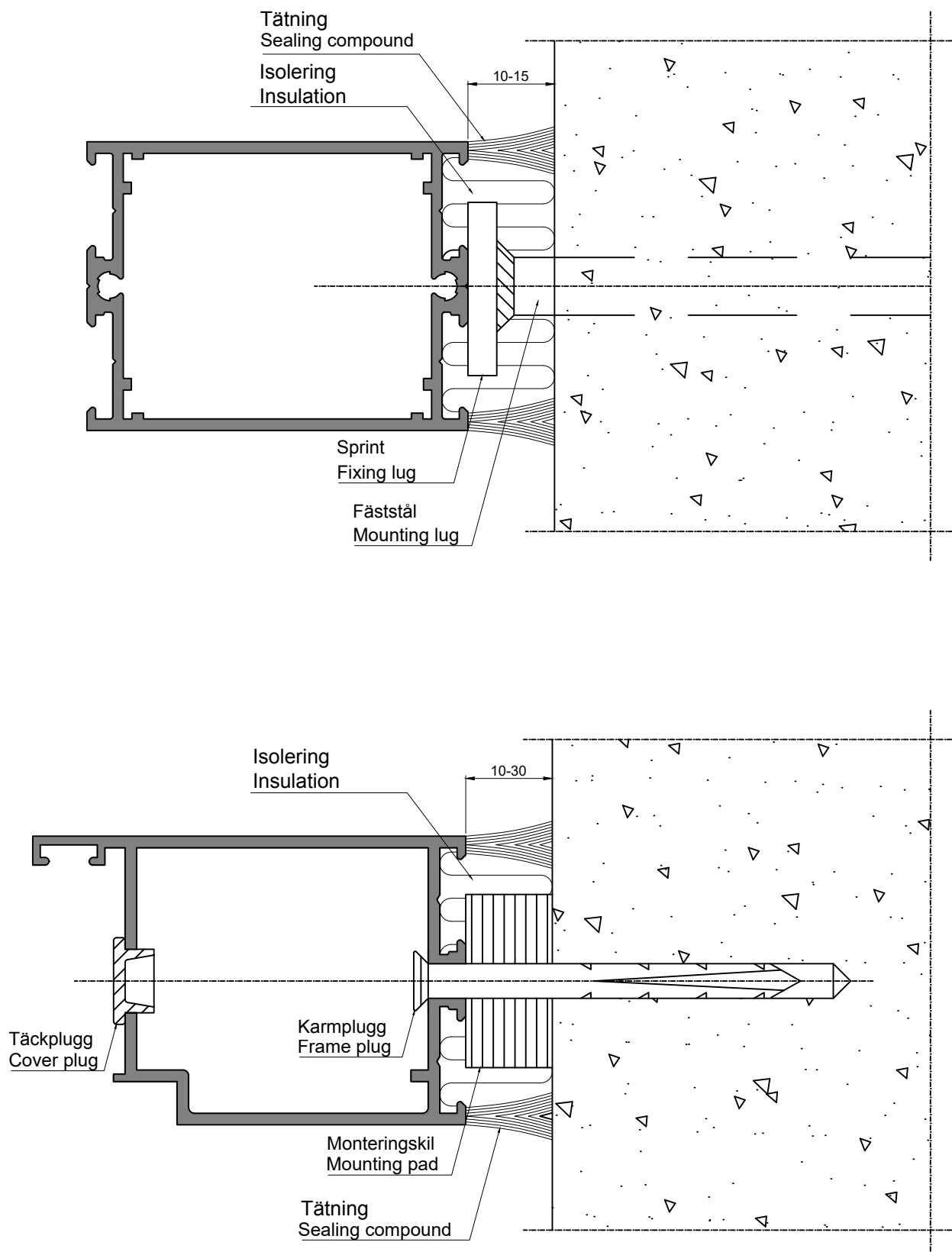
T-FÖRBAND MED LÅSPINNAR
T-JOINT BY INSERT PINS



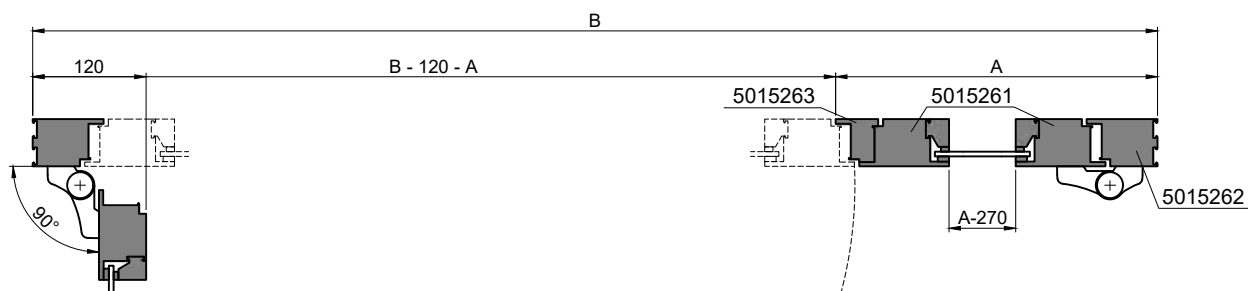
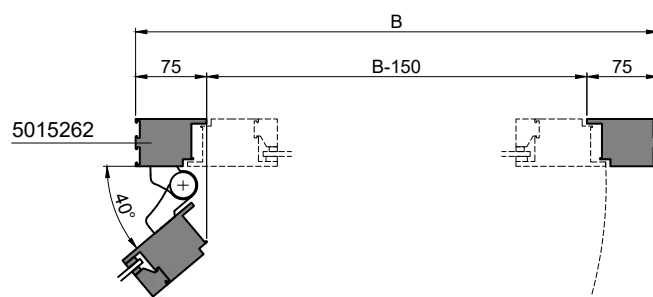
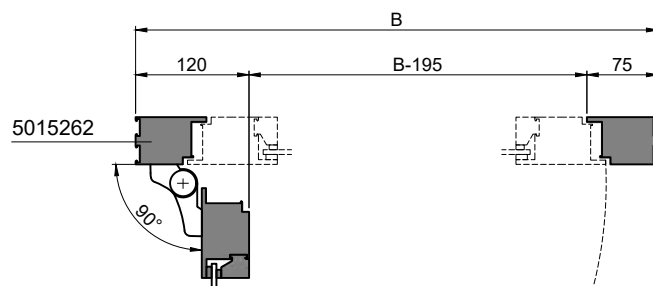
T-FÖRBAND MED SKRUVAR
T-JOINT BY SCREWS



MONTAGE PÅ BYGGNADSSTOMMEN, EXEMPEL
MOUNTING TO BUILDING FRAME, EXAMPLES



**FRIA ÖPPNINGSMÅTT
CLEAR DIMENSIONS**



P50 DÖRRARNAS LJUDTEKNISKA EGENSKAPER

P50 DOORS ACOUSTIC PERFORMANCE

Dörrbladens antal Number of door leaves	Dörrtyp Door type	Testad glasning täckt del Tested glazing panel	R_w [dB]	$R_w + C$ [dB]	$R_w + C_{tr}$ [dB]
1	Dörr i helglas Fully glazed door	L-1	34	32	30
		L-2	33	33	32
		L-3	34	34	32
1	Glasdörr med tvärså Glass door with transom	L-1	34	33	30
		L-2	34	33	32
		L-3	34	34	33
1	Täckt dörr med tvärså Panel door with transom	UO-1	34	34	32
		UO-2	37	35	31
		UO-3	32	31	29
1	Glasdörr med täckt del Glass door with panel	L-1 U-2	35	34	31
		L-1 U-3	33	32	30
		L-3 U-1	35	34	33
		L-3 U-2	36	35	32
		L-3 U-3	33	32	30
2	Dörr i helglas Fully glazed door	L-2	33	32	31
2	Glasdörr med tvärså Glass door with transom	L-2	33	32	31
2	Täckt dörr med tvärså Panel door with transom	U-2	36	35	31
2	Glasdörr med täckt del Glass door with panel	L-3 U-2	36	35	32
		L-3 U-3	32	32	30

Glasningar/ Glazings:

L-1: 2k - 4 - 16 RST
L-2: 1k - lam 3+3,38
L-3: 1k - lam 4+4,38

Täckta delar/ Opaque panels:

U-1: 1,5 mm aluminiumskiva - 2x 15 mm gipsskiva - 1,5 mm aluminiumskiva
1,5 mm aluminium sheet - 2x 15 mm gypsum board - 1,5 mm aluminium sheet
U-2: 1,5 mm aluminiumskiva - 4 mm plywood - 20 mm hård mineralull - 4 mm plywood - 1,5 mm aluminiumskiva
1,5 mm aluminium sheet - 4 mm plywood - 20 mm hard mineralwool - 4 mm plywood - 1,5 mm aluminium sheet
U-3: 1,5 mm aluminiumskiva - 4 mm plywood - 20 mm PUR-skiva - 4 mm plywood - 1,5 mm aluminiumskiva
1,5 mm aluminium sheet - 4 mm plywood - 20 mm PUR-board - 4 mm plywood - 1,5 mm aluminium sheet

Testade dörrstorlekar och tillåtna totala arealer (A) för dörrar

Tested door sizes and maximum total areas (A) of doors:

Enbladiga dörrar/ Single leaf doors: **990x 2090 mm** **$0 \text{ m}^2 < A \leq 3,1 \text{ m}^2$**
Dubbel dörrar/ Double leaf doors: **1520x 2090 mm** **$0 \text{ m}^2 < A \leq 4,8 \text{ m}^2$**

Termer: R_w Index för luftljudsisolering (ju högre index, desto bättre ljudisolering)
 $R_w + C$ Flygtrafikbuller, ljud från snabba tåg, industribuller (hög och medelfrekvens)
 $R_w + C_{tr}$ Stadstrafikbuller, ljud från långsamma tåg, industribuller (låg och medelfrekvens)
Terms: R_w Sound reduction index (the higher the R_w number, the better the sound insulation)
 $R_w + C$ Jet aircraft noise, sounds of fast trains, industrial noise (high and mid frequency)
 $R_w + C_{tr}$ City traffic noise, sounds of slow trains, industrial noise (low and mid frequency)

EGENSKAPER/KLASSIFICERING ENLIGT SFS-EN 14351-1+A1
PROPERTIES/ CLASSIFICATION ACCORDANCE TO EN 14351-1 +A1

Egenskap Properties	P50 dörr P50 door			P50 dubbeldörr P50 double leaf door		
Motståndskraft mot vindtryck ¹⁾ Resistance to wind load ¹⁾ (EN 12210)	C3 (1200 Pa, ≤1/300)			C3 (1200 Pa, ≤1/300)		
Regntätthet ²⁾ Watertightness ²⁾ (EN 12208)	6A			5A		
Akustiska egenskaper ^{2) 3) 4)} Acoustic performance ^{2) 3) 4)} (EN ISO 717-1)	R_w 37dB ⁴⁾	R_w+C 35dB ⁴⁾	R_w+C_{tr} 31dB ⁴⁾	R_w 36dB ⁴⁾	R_w+C 35dB ⁴⁾	R_w+C_{tr} 32dB ⁴⁾
Värmegenomgångskoefficient (U_D) ³⁾ Thermal transmittance (U_D) ³⁾ (EN ISO 10077-2)	≥ 2,8 W/m²K			≥ 2,8 W/m²K		
Lufttäthet ²⁾ Air permeability ²⁾ (EN 12207)	2			2		

OBS! Värdena i tabellen gäller för enbladiga dörrar på 990x 2090 mm och dubbeldörrar på 1520x 2090 mm exkl. värmegenomgångskoefficient, där värdena har beräknats för dörrar av standardstorlek (1230x 2180 mm och 2000x 2180 mm)

¹⁾ Elementets storlek: enbladiga ≤ 2,1 m², dubbeldörrar ≤ 3,2 m²

²⁾ Elementets storlek: enbladiga ≤ 3,1 m², dubbeldörrar ≤ 4,8 m²

³⁾ Projektspecifika värden ska definieras separat

⁴⁾ Glas/täckt del, se P50-produktpass

OBS! Values in the table apply for single leaf door 990x 2090 mm and double leaf door 1520x 2090 mm excl. thermal transmittance which is calculated for standard size door (1230x 2180 mm and 2000x 2180 mm)

¹⁾ Element size: single leaf door ≤ 2,1 m², double leaf door ≤ 3,2 m²

²⁾ Element size: single leaf door ≤ 3,1 m², double leaf door ≤ 4,8 m²

³⁾ Values according to project are declared separately

⁴⁾ Glass/ Infill panel, see P50-Product pass

TEKNISKA DATA

Profiler

- aluminiumlegering vanligtvis EN-AW 6063 T5

$$R_{p_{0,2}} \min = 130 \text{ N/mm}^2$$

$$R_m \min = 175 \text{ N/mm}^2$$

$$E = 70000 \text{ N/mm}^2$$

- i planering av aluminiumkonstruktioner ska förskjutningar som orsakas av temperaturändringar beaktas
- aluminium har en längdutvidgningskoefficient på $24 \times 10^{-6}/K$
- profilernas formtoleranser enligt EN 755-9 eller EN 12020-2
- legeringen lämpar sig utmärkt för anodisering
- leveranslängden är normalt 6,6 m, andra mått på specialbeställning
- den termiska tätningen är av polyamid som tål anodisering och lackering

Ytbehandling av profilerna

Anodisering

Anodisering är en elektrokemisk metod med vilken aluminiumets naturliga oxidlager görs tjockare. Anodiseringen bildar en stark, slittålig yta med ypperlig väderhårdighet.

Pulverlackering

I pulverlackering sprutas profilens yta med pulver som smälts i ugnen till en hårdig och jämn yta. Före lackeringen får profilerna en förbehandling som säkerställer lackets hållbarhet. Normalt används toner i RAL-färgkartan, men även andra toner är möjliga.

Tätningar

Material: EPDM-gummi

Färg: svart

TECHNICAL INFORMATION

Profiles

- Aluminium alloy usually EN-AW 6063 T5

$$R_{p_{0,2}} \min = 130 \text{ N/mm}^2$$

$$R_m \min = 175 \text{ N/mm}^2$$

$$E = 70000 \text{ N/mm}^2$$

- Thermal transitions caused by changes in temperature must be taken into account in the design
- Thermal expansion coefficient of aluminium is $24 \times 10^{-6}/K$
- Shape tolerances of profiles according to EN 755-9 or EN 12020-2
- Alloy is well suited for anodizing
- Delivery length of profiles normally 6,6 m, other lengths available on request
- Material of thermal breaks is polyamide which endures anodizing and powder coating

Surface treatment

Anodizing

Anodizing is an electrochemical method for increasing the thickness of the natural oxide layer of aluminium. Anodizing forms a hard, mechanical wear-resistant surface with excellent weather resistance.

Powder Coating

In powder coating the powder is injected into the surface of the profiles, which then is melted in a furnace into a durable and smooth surface. Before painting, the profiles are pre-processed, in order to ensure the endurance of the coating. Normally profiles are painted with RAL color shades, but other colors are also possible.

Gaskets

Material: EPDM-rubber

Colour: black



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