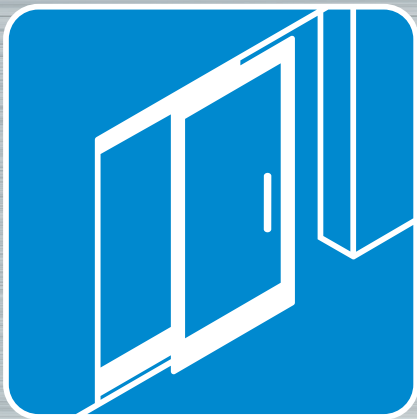



VOLATO M+

HEBESCHIEBE-SYSTEM
LIFTING-SLIDING SYSTEM

10/2017



ALUMINIUM SYSTEMS 
HUECK
GERMAN ENGINEERING SINCE 1814



HEBE-SCHIEBE-SYSTEM / LIFTING-SLIDING-SYSTEM

HUECK VOLATO M+

Mit großen Glasflächen und schlanken Ansichten eröffnet das Hebe-Schiebe-System HUECK Volato M+ große Gestaltungsfreiheit für Planer und Architekten. Eine praxisorientierte Auswahl an verschiedenen Spur-Schemata – einschließlich einer „Monorail“-Version mit Festfeld – schafft Spielraum bei der Realisierung architektonischer Konzepte. Für besonderen Bedien-Komfort sorgt eine ganz neue Beschlaggeneration, die höhere Flügelgewichte ermöglicht. Mit einem Getriebedämpfer vermindert sie außerdem den Kraftaufwand beim Öffnen des Flügels und senkt den Flügel beim Schließen bequem ab. Noch größeren Komfort bringt der optionale elektrische Hebe-Schiebe-Antrieb, der das Öffnen und Schließen des Flügels noch leichtgängiger macht.

With large glass surfaces and slender elevations, the HUECK Volato M+ lifting-sliding system opens up broad design freedom for planners and architects. A practical selection of different track schemes – including a “monorail” version with a fixed window area – offers creative scope for the realisation of architectural concepts. Exceptional ease of use comes thanks to an entirely new generation of fittings that permit higher sash weights. In addition, thanks to a gear damper, these fittings not only reduce the force required to open the window but also lower the sash softly during closing. Even greater comfort is provided by an optional electrical lifting-sliding drive, which makes it even easier to open and close the sash.

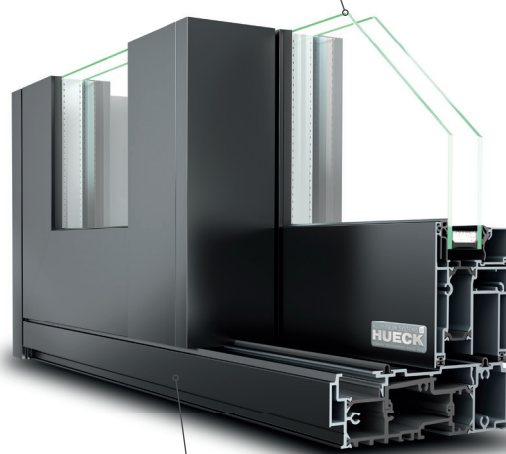
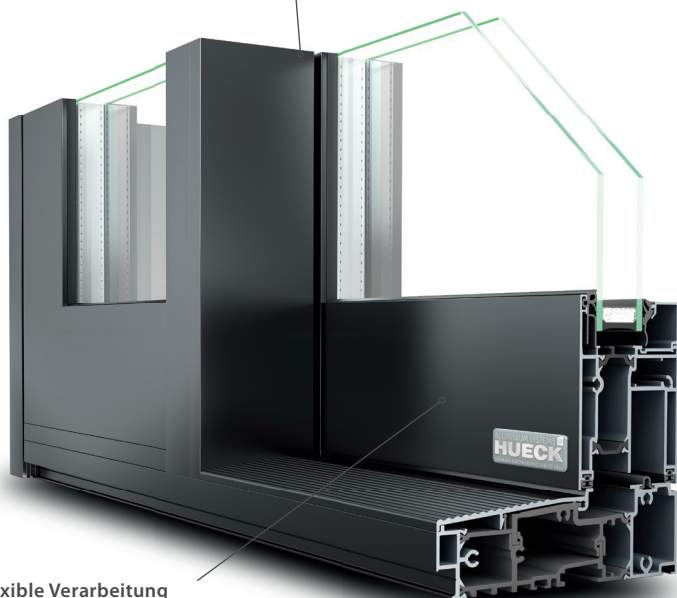
HUECK Volato M+

Elegante Gestaltungsmöglichkeiten
Schmales Labyrinth mit nur 52 mm Ansicht

Elegant design possibilities
Slender labyrinth with an elevation width of just 52 mm

Individuelle Verglasung
Füllungsdicken Rahmen bis 48 mm
Füllungsdicken Flügel bis 48 mm

Individual glazing
Frame filling thicknesses of up to 48 mm
Sash filling thicknesses of up to 48 mm



Flexible Verarbeitung
Eckverbinder stanzen- und nagelbar (Flügelprofile)

Versatile processing
Corner cleats can be punched and nailed (sash profiles)

Variantenvielfalt
Schema A, D, G, F und K sowie Monorail
Wide range of designs
Scheme A, D, G, F and K, as well as monorail

LEISTUNGSEIGENSCHAFTEN*

PERFORMANCE CHARACTERISTICS*

WIDERSTANDSFÄHIGKEIT GEGEN WINDLAST
RESISTANCE TO WIND LOAD
EN 12210

Klassifizierung / Wert
Classification / Value

C5/B5

SCHLAGREGENDICHTHEIT
WATER TIGHTNESS
EN 12208

E1050

SCHALLSCHUTZ
SOUND INSULATION
EN ISO 717-1

Rw 43 dB

WÄRMEDURCHGANGSKOEFFIZIENT
THERMAL TRANSMITTANCE
EN ISO 10077-2

$U_f \geq 1,6 \text{ W/m}^2\text{K}$

LUFTDURCHLÄSSIGKEIT
AIR PERMEABILITY
EN 12207

4

MECHANISCHE FESTIGKEIT
MECHANICAL STRENGTH
EN 13115

4

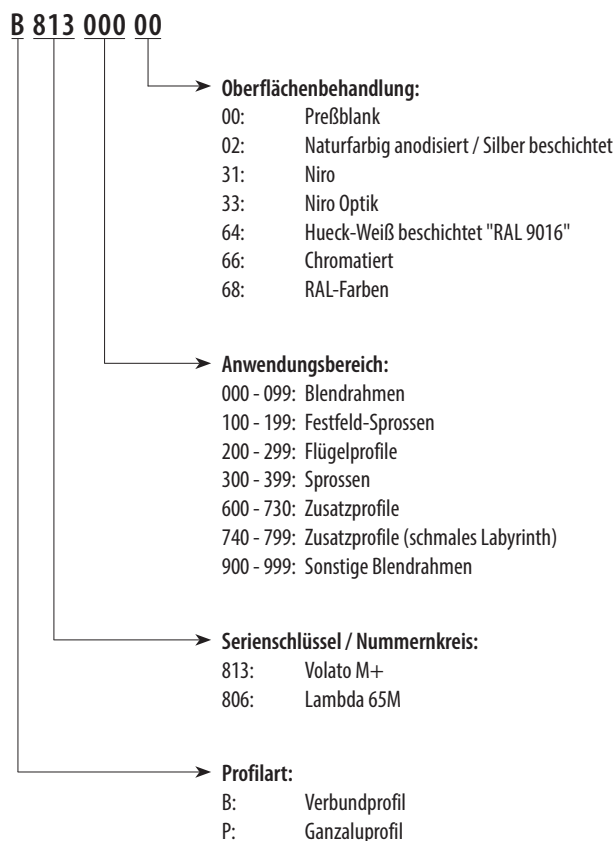
EINBRUCHHEMMUNG
BURGLAR RESISTANCE
EN 1627

RC2, RC2 N

* Bei den angegebenen Leistungseigenschaften gilt der zur Drucklegung aktuelle Stand. Gültige Prüfzeugnisse sowie technische Informationen finden Sie im Download-Bereich unter www.hueck.de • All standards referred to herein, were valid at time of printing. Valid test reports as well as technical information can be found in the download area of the site www.hueck.com

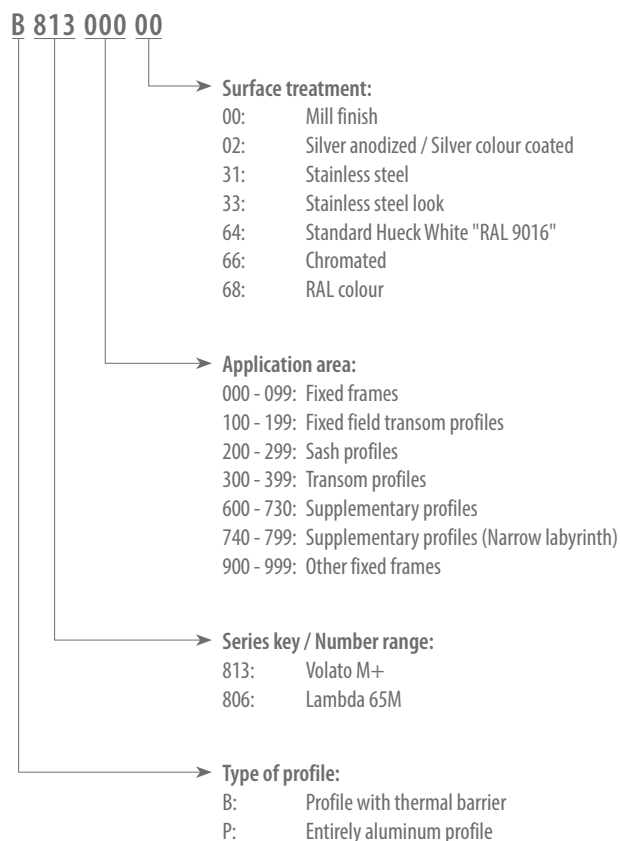
SYSTEMATIK DER PROFILNUMMERN

Alle Verbundprofile (B) der Lambda / Volato-Serien sind nach folgendem Nummernsystem aufgebaut:



PROFILE NUMBER SYSTEMATICS

All profiles with thermal barrier (B) of the Lambda / Volato series are structured in accordance with the following numbering principle:



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**AKTUELLE INFORMATIONEN
CURRENT INFORMATION**

Die **CAD-Daten** der im Katalog gezeigten Schnittzeichnungen in DWG-Format finden Sie auf unserer Website unter www.hueck.com, Bereich „Informationen & Services“.

You will find the CAD data of the interfaces and details shown in the catalogue in file format DWG on our website www.hueck.com, section „Information & services“.

Der regelmäßig erscheinende „**Info-Point**“ informiert über kurzfristige Neuerungen und Serienänderungen. Sie finden die einzelnen Ausgaben auf unserer Website www.hueck.com unter „Informationen & Services“.

The periodically issued „**Info-Point**“ provides information about current series modification and innovation. You find the single issues on our Website www.hueck.com, section „Information & services“.

Komplette **Planungsunterlagen, Ausschreibungstexte, Informationen zu Bauphysik und Statik** sowie weitere nützliche Hinweise für Architekten und Planer finden Sie auf unserer Website.

Entire planning documents, information concerning building physics and statics as well as further helpful notes for architects and planners are to be found on our website.

Es gelten unsere allgemeinen „Verkaufs- und Lieferbedingungen“, die wir Ihnen auf Nachfrage gerne zusenden oder die Sie auf unserer Website in der Rubrik „Informationen & Services“ finden.

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













































<http://qr.hueck.com/info1>

HUECK Technische Information „Anodisation und Beschichtung, Reinigung und Wartung von Aluminium-Halbzeugen und wärmedämmten Aluminium-Profilen sowie konstruktive Vorschläge“

HUECK Technical information „Anodization and coating, cleaning and maintenance of aluminium semi-finished products and thermally insulated aluminium profiles as well as constructive suggestions“

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BESTELLKATALOG
ORDER CATALOG

Profile • Fenster Profiles • Window		Profile • Tür Profiles • Door		Profilabhängiges Zubehör Profile dependent accessories	
	Blendrahmen Fixed frame		Türblendrahmen Door fixed frame		Profilkammer außen Profile chamber external
	Wechsel-Blendrahmen Reversible frame		Türflügel einwärts öffnend Door leaf inward opening		Profilkammer innen Profile chamber internal
	Z-Blendrahmen Z-fixed frame		Türflügel auswärts öffnend Door leaf outward opening		Eckverbinder Corner cleat
	Dehnungsblendrahmen Fixed frame expansion profile		Türflügel-Ausgleichsprofil Door sash compensation profile		Stift Nail
	Einspannblendrahmen Interlocking fixed frame		Sockelprofil Bottom rail profile		Aussteifungswinkel Corner strengthening piece
	Blendrahmenverbreiterung Fixed frame extension		Anschlagprofil Rebate profile		T-Verbinder T-cleat
	Sprossenprofil Transom profile		Stulpprofil Tür Secondary leaf profile		Formteil links Shaped piece left
	Statik-Sprossenprofil Static transom profile		Sockel-Abschlussprofil Bottom rail end section profile		Formteil rechts Shaped piece right
	Statik-Dehnungsblendrahmen Static fixed frame expansion profile		Schwellenprofil Threshold profile		Dichtkissen Sealing pad
	Flügelprofil Sash profile		Wetterschenkel Weatherboard		Dichtkissenabdeckung PA Zone Sealing pad cover insulation area
	Flügelssprosse Sash transom profile		Wechselprofil Reversible profile		Dämmkern Insulating core
	Stulpprofil Flügel Secondary sash profile		Adapterprofil Adapter profile		Klotzbrücke Glazing bridge
	Eckprofil Corner profile		Bausenkungsprofil Structural expansion profile		verpressbar crimpable
	Wechselprofil Reversible profile		Glasleiste Glazing bead		verstiftbar nailable
	Kopplungsprofil Coupling profile				nachträglich verklebbar retro gluing after assembly
	Modernisierungsblendrahmen Upgrading fixed frame				
	Adapterprofil Adapter profile				
	Bausenkungsprofil Structural expansion profile				
	Glasanschlag Glass stopper profile				
	Glasleiste Glazing bead				
	Halteprofil Retaining profile				
	Handlauf Handrail				
	Kantenschutz U-Form Edge protection U-shape				
	Kantenschutz Flachform Edge protection flat form				
	Zusatzprofil Supplementary profile				

BESTELLKATALOG
ORDER CATALOG

Varianten Oberflächenbehandlung Variants surface treatment		Dichtungsvarianten Variants of gaskets	
00	Preßblank Mill finish	00	Dichtung trocken Dry gasket
02	Naturfarbig anodisiert / Silber beschichtet Silver anodised / silver colour coated	22	Dichtung silikonisiert Siliconised gasket
31	Niro Stainless steel	23	Dichtung talkumiert Gasket talc-powdered
33	Niro Optik Stainless steel optic	25	Dichtung gleitpolymerisiert Gliding-polymerised gasket
64	Hueck-Weiß beschichtet "RAL 9016" Standard Hueck White "RAL 9016"		
66	Chromatiert Chromated		
68	RAL-Farben RAL colour		

Öffnungsarten • FENSTER
Opening types • WINDOW

Einwärts öffnend / Inward opening

	Festverglasung Fixed glazing		Festverglasung mit Oberlicht fest Fixed glazing with fixed fanlight		Kipp-Fenster mit Unterlicht fest Bottom hung window with fixed bottom light window
	Kipp-Fenster Bottom hung window		Dreh-Kipp-Fenster mit Oberlicht fest Turn-tilt window with fixed fanlight		Dreh-Fenster mit Unterlicht fest Side-hung window with fixed bottom light window
	Dreh-Kipp-Fenster Turn-tilt window		Festverglasung mit Oberlicht Kipp Fixed glazing with tilt fanlight		Dreh-Kipp-Fenster mit Unterlicht fest Turn-tilt window with fixed bottom light window
	Dreh-Kipp-Fenster Kipp vor Dreh Turn-tilt window Tilt before turn		Dreh-Kipp-Fenster mit Oberlicht Kipp Turn-tilt window with tilt fanlight		Stulp-Fenster French window

Auswärts öffnend / Outward opening







GEN 4.0 PS / GEN 4.0 PS

	Klapp-Fenster Top hung window - Visible hardware		Senk-Klapp-Fenster Top hung window - Concealed hardware		Parallel-Schiebe-Fenster Parallel sliding window
	Dreh-Fenster Side hung window - Visible hardware		Schiebe-Dreh-Fenster Side hung window - Concealed hardware		

Öffnungsarten • TÜR
Opening types • DOOR

	Tür 1-flügelig auswärts öffnend Single-leaf door outward opening		Tür 1-flügelig einwärts öffnend Single-leaf door inward opening		Gegentakttür Push-pull door
	Tür 2-flügelig auswärts öffnend Double-leaf door outward opening		Tür 2-flügelig einwärts öffnend Double-leaf door inward opening		

FERTIGUNGSKATALOG
PROCESSING CATALOG

Bearbeitung Processing		Abkürzungen Short cuts			
	Antrieb Drive	AM	Achsmaß Axial dimension	OKFF	Oberkante Fertigfußboden Upper edge finished floor level
	Bohrer Drill	BRM	Baurichtmaß Nominal dimension	RB	Rahmenbreite Frame width
	Bohrschablone Drilling jig	DF	Drehflügelbeschlag Side-hung sash fitting	RB<i>i</i>	Rahmenbreite, innen Frame width, internal
	Dichtstoff Sealing compound	DK	Drehkippschlag Turn-tilt fitting	RC1N	Resistance Class 1 No requirement Resistance Class 1 No requirement
	Fräser Milling cutter	FB	Flügelbreite Sash width	RC2(N)	Resistance Class 2 (No requirement) Resistance Class 2 (No requirement)
	Kleber Glue	FF	Festflügel / Festfeld Fixed sash / Fixed field	RFM	Rahmenfalzmaß Frame rebate dimension
	Parallelität Parallelism	FFM	Flügelfalzmaß Sash rebate dimension	RH	Rahmenhöhe Frame height
	Sägen Sawing	FG	Flügelgewicht Sash weight	RH<i>i</i>	Rahmenhöhe, innen Frame height, internal
	Schlüsselweite Width across flats	FH	Flügelhöhe Sash height	SBF	Schiebeflügel Sliding sash
	Schneiden Cutting	FL	Falzlufte Rebate clearance	SF	Standflügel Inactive leaf / sash
	Schnittflächenabdichtung Sealing of cut surface	GB	Glasbreite Glass width	SL	Schmales Labyrinth Narrow labyrinth
	Stanze Punching tool	GF	Gangflügel Active leaf / sash	SP	Schaltsperr Mishandling device
	Werkzeug Tool	GFM	Glasfalzmaß Glazing rebate dimension	T	Treibstange Operating rod
		GH	Glashöhe Glass height	TF	Kipp vor Dreh Beschlag Tilt before turn fitting
		GrH	Griffhöhe Handle height	T(i)	Teilung (variabel) Division (variable)
		KF	Kippflügelbeschlag, Griff seitlich Bottom hung sash fitting, lateral handle	T(GF)	Teilung (Gangflügel) Division (Active leaf / sash)
		L	Länge Length	T(SF)	Teilung (Standflügel) Division (Inactive leaf / sash)
		LDB	Lichte Durchgangsbreite Clear passage width	ÜBB	Überschlagbreite Overlap width
		LDH	Lichte Durchgangshöhe Clear passage height	ÜBH	Überschlaghöhe Overlap height
		MV	Mittelverschluss Centre lock	WDVS	Wärmedämmverbundsystem Thermal insulation composite system

Anfrage von Request of	.....
Herr / Frau Mr / Ms	.....
Telefon Phone	.....
E-Mail Adresse E-mail address	.....
Datum Date	.....
Projektname Project name	.....
LV Pos. / Anzahl Contract specifications item / number	.....
Abmessungen [Breite x Höhe] Dimensions [Width x height]	.....

HUECK Serie / HUECK series	
Fenster / Window (innen öffnend / inward opening)	<input type="text"/>
Fenster / Window (auswärts öffnend / outward opening)	<input type="text"/>
Tür / Door	<input type="text"/>
Lambda WS/DS 075	<input type="text"/>
Lambda WS/DS 090	<input type="text"/>
Lambda 65M	<input type="text"/>
Volato M+ (Hebe-Schiebe / Lifting-sliding)	<input type="text"/>
Volato SLS 075 (Schiebe / Sliding)	<input type="text"/>
Volato SLS 075 CS (Schiebe / Sliding)	<input type="text"/>
Monorail	<input type="text"/>
Sonstige Serien / Other series	.....
Flügelprofil Nr. / Sash profile no.	.....
Beschlag / Fitting	
DK / Turn-tilt	<input type="text"/>
Dreh / Side-hung	<input type="text"/>
KvD / Tilt before turn	<input type="text"/>
Stulp / Second sash	<input type="text"/>
Kipp / Tilt	<input type="text"/>
PAF / Parallel opening window	<input type="text"/>
SK / Top hung window	<input type="text"/>
PS / Parallel sliding	<input type="text"/>
Sonstige / Other	.....

An HUECK • Anwendungstechnische Beratung
To HUECK • Applications engineering consulting

Übergößen / Larger sizes
Sonderbeschläge / Special fittings

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HUECK Antwort / HUECK reply	
Mit Auflagen genehmigt Approved with conditions	<input type="text"/>
Abgelehnt Rejected	<input type="text"/>
Geprüft / Name Checked / Name	.....
Datum / Unterschrift Date / Signature	.....

Gewichte / Weights	
Scheibenaufbau Pane construction	.....
Flügelgewicht Sash weight	.....

Lage Handhebel / Location of handle	
von Unterkante Flügel From bottom edge of the sash	..... m
von Oberkante Fertigfußboden From upper edge of finished floor	..... m

Einsatz in Fassade / Use in façades			
Ja Yes	<input type="text"/>	Nein No	<input type="text"/>

Oberfläche / Surface
----------------------	-------

Einbauhöhe Installation height m
-----------------------------------	---------

Anzahl Geschosse Number of storeys
---------------------------------------	-------

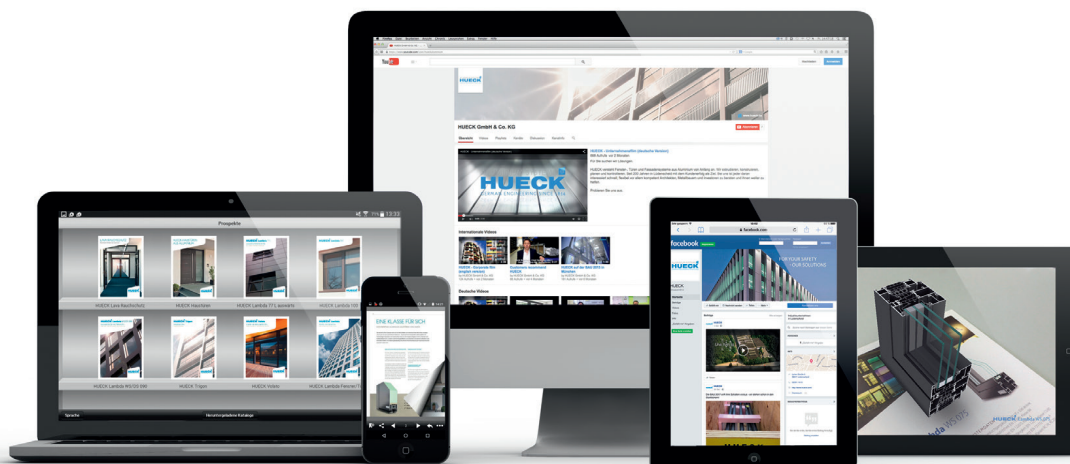
Ausrichtung / Orientation	
Nord • Ost • Süd • West North • East • South • West	.....

Windlasten DIN EN 12210 / Wind loads DIN EN 12210		
Windlastzone Wind load zone	1	<input type="text"/>
	2	<input type="text"/>
	3	<input type="text"/>
	4	<input type="text"/>

Anmerkungen • Hinweise / Notes • Indications

- **Dunkle Farben erhöhen den Bi-Metalleffekt**
Dark colors increase the bimetal effect
- **Besondere Einbausituation, z.B. Schwimmbad**
Special installation conditions, e.g. pool
- **Häufigkeit der Bedienung / Lastwechsel**
Frequency of operation / load change
- **Bedienung erfolgt nur zum Reinigen und Warten**
Operation is only for cleaning and maintenance
- **Skizzen, Zeichnungen und weitergehende Informationen können formlos hinzugefügt werden**
Sketches, drawings and further informations can be attached informal





HUECK Documentation App
<http://qr.hueck.com/docuapp>



HUECK YouTube-Channel
www.youtube.de/hueckaluminium



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HUECK 3D App
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HUECK DOKUMENTATION APP & WEB

Die HUECK Doku – App für iOS und Android beinhaltet eine umfangreiche Dokumentation zu den HUECK Fenster-, Türen- und Fassaden-Systemen aus Aluminium sowie interessante Publikationen rund ums Unternehmen.

Die Inhalte wurden speziell für den mobilen Zugriff aufbereitet und werden laufend aktualisiert. Der Benutzer kann in einem übersichtlichen Regal das passende Dokument auswählen, dieses online betrachten oder für den Offline-Zugriff herunterladen.

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The HUECK Documentation App consists of an extensive documentation of HUECK window, door and façade systems made of aluminium, as well as interesting publications about the company.

The contents were edited especially for the mobile access and are being updated continuously. The user has the opportunity to select the suitable document from a clearly structured shelf to look at it online or to load it down in order to access it offline.

Thereby, the App informs automatically of potential updates for the documents, which can be brought up-to-date easily with one click.

At qr.hueck.com/docu you can find the online version of our Hueck documentation and can get all of current documents of the Hueck library directly online by using your PC. Lot of functions and links makes the daily work easier and offer a multimedia alternative to the printed catalogue.

HUECK 3D APP

Betrachten Sie unsere Aluminium-Fenster-, Türen- und Fassadensysteme in fotorealisiertem 3D aus frei wählbarer Perspektive!

Die Hueck 3D App ergänzt unsere gedruckten Dokumentationen und bietet als sofort verfügbare Alternative zu physischen Mustern ein realistisches Bild unserer Systeme. Ein weiteres Highlight: Liegt Ihnen ein Hueck-Datenblatt mit einem entsprechenden Hinweis vor, können Sie das passende Modell mittels der Kamera Ihres Gerätes über dem Datenblatt „schweben“ lassen.

Die HUECK 3D App ist kostenlos für Apple (iOS) und Android in Ihrem App-Store verfügbar.

HUECK 3D APP

View our aluminium window, door and façade systems in photorealistic 3D from a freely selectable perspective!

The Hueck 3D app complements our printed documentation and offers a realistic picture of our systems as an instantly available alternative to physical samples. Another highlight: If you have a Hueck data sheet that contains a corresponding notice, you can make the relevant model "hover" over the data sheet using your device's camera.

The HUECK 3D App is available free of charge for Apple (iOS) and Android in your App store.

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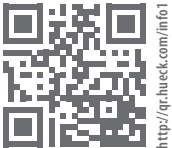
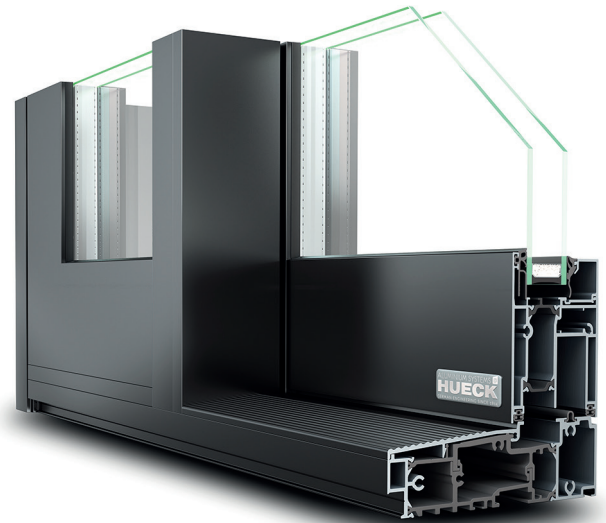
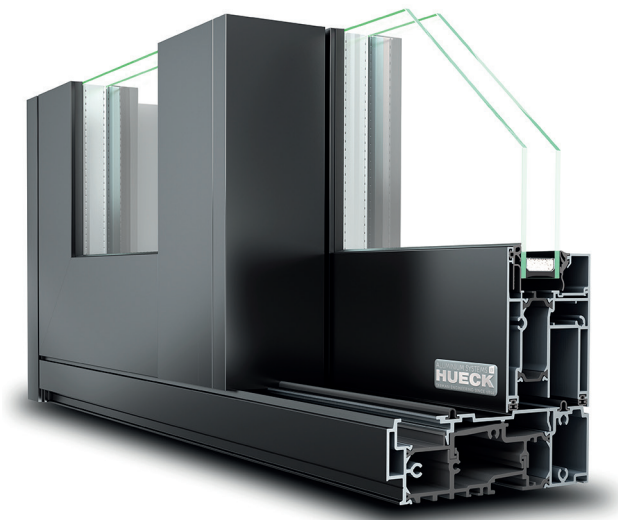
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HUECK VOLATO M+ • HEBE-SCHIEBE-SYSTEM
HUECK VOLATO M+ • LIFTING-SLIDING-SYSTEM
<https://qr.hueck.com/info1>
SERIENBESCHREIBUNG

HUECK Volato M+ ist ein hochwärmedämmtes Aluminium Hebe-Schiebe-System mit einer Profilbautiefe von 148 mm (Blendrahmen) und 65 mm (Flügel).

Werkseitiger schubfester Verbund, zur nachträglichen Pulverbeschichtung und Anodisierung geeignet. Flügelprofile wahlweise mit schubweichen Deltatherm Verbund zur Reduzierung des Bi-Metall-Effekts, dadurch geringere Durchbiegung des Flügels bei Temperaturdifferenzen. Die tiefe Isolierzone im unteren und oberen Blendrahmen sorgt für einen optimalen Isothermen Verlauf.

Schmale Ansichten der Blend- und Flügelrahmenkombination ab 120,5 mm.

Praxisorientierte Auswahl an Öffnungsarten (Schema A, D, G, C, K und F), einschließlich „Monorail“ und „schmales Labyrinth“.

EPDM-Anschlagdichtungen verdeckt liegend eingesetzt mit vorgefertigten Dichtungsecken, sowie EPDM-Verglasungsdichtungen, umlaufend einziehbar. Alle Dichtungen mit Gleitpolymerbeschichtung, geeignet für selbstreinigende Verglasungen.

Verdeckt liegende Entwässerung über die Blendrahmenprofile.

Leichte Verarbeitung der Blendrahmen durch gerade Stöße und geschraubten Profilverbindungen mit EPDM-Formteilen. Eckverbinder für den Flügel sind wahlweise nagel- oder verpressbar.

Glasstärken bis 48 mm.

Maximale Flügelgewichte unterteilt in 250 kg, 330 kg und 440 kg (Tandem-Laufwagen), bei zulässigen Flügelgrößen in der Breite von max. 3235 mm und in der Höhe von 3000 mm (Anwendungsdiagramme sind zu beachten).

LEISTUNGSEIGENSCHAFTEN

Widerstandsfähigkeit gegen Windlast: bis Klasse C5 / B5 nach EN 12210

Schlagregendichtheit: bis Klasse E1050 nach EN 12208

Schallschutz: bis RW 43 dB nach EN ISO 717-1

Wärmedurchgangskoeffizient: U_f abhängig von Profilgeometrie $\geq 1,6 \text{ W/m}^2\text{K}$

Luftdurchlässigkeit: bis Klasse 4 nach EN 12207

Mechanische Festigkeit: bis Klasse 4 nach EN 13115

Einbruchhemmung: Klassen RC 2 und RC 2 N

SERIES DESCRIPTION

HUECK Volato M+ is a highly thermally insulated aluminium lifting-sliding-system with a profile depth of 148 mm (Fixed frame) and 65 mm (Sash).

Factory-made shear-proof composite, suitable for subsequent powder-coating and anodization. Sash profiles optionally available with flexible shear deltatherm composite to reduce the bi-metal effect, resulting in a lower lever of sash deflection in case of temperature differences. The deep insulating zone in the lower and upper fixed frame provides optimal isothermal circulation.

Narrow elevation widths of fixed and sash frame combinations starting at 120,5 mm.

Practice-oriented selection of opening types (Scheme A, D, G, C, K and F), including „Monorail“ and „Narrow labyrinth“.

Concealed rebate gaskets with prefabricated corner gaskets and continuous glazing gaskets, made from EPDM. All gaskets coated with sliding polymer, suitable for self-cleaning glazing.

Concealed drainage via fixed frame profiles.

Simple processing of the fixed frames because of linear joints and screwed profile joints with EPDM shaped-pieces. Corner brackets for the sash are either nailable or crimpable.

Glass thicknesses up to 48 mm.

Maximum sash weights are categorized in 250 kg, 330 kg and 440 kg (Tandem-Roller), in conjunction with permissible sash sizes with a maximum width of 3235 mm and a maximum height of 3000 mm (Application diagrams must be observed).

PERFORMANCE CHARACTERISTICS

Resistance to wind load: up to class C5 / B5 according to EN 12210

Water tightness: up to class E1050 according to EN 12208

Sound insulation: up to RW 43 dB according to EN ISO 717-1

Thermal transmittance: U_f depending on profile geometry $\geq 1,6 \text{ W/m}^2\text{K}$

Air permeability: up to class 4 according to EN 12207

Mechanical strength: up to class 4 according to EN 13115

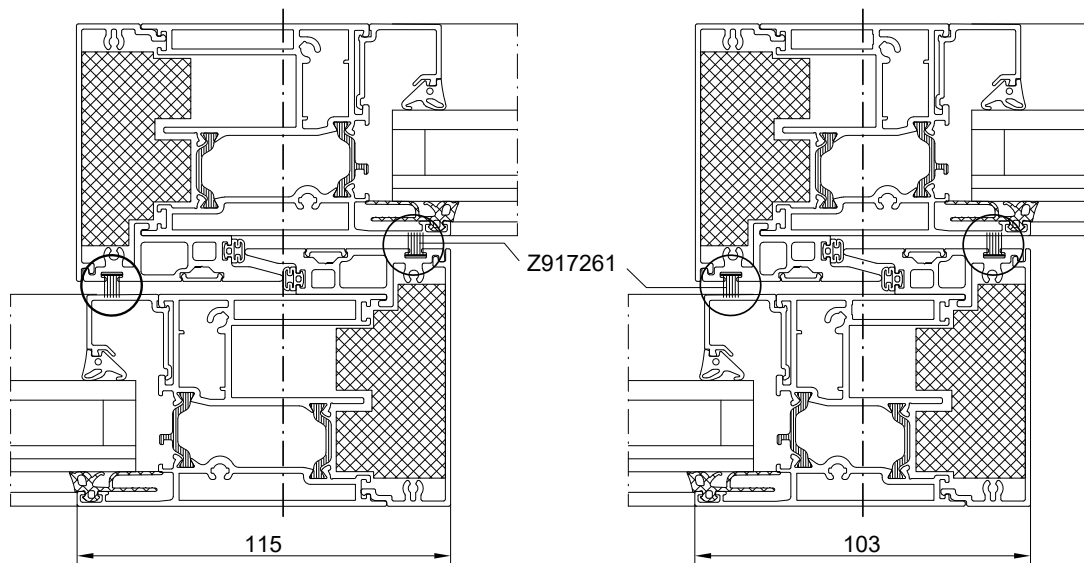
Burglar resistance: classes RC 2 and RC 2 N



Bei den angegebenen Leistungseigenschaften gilt der zur Drucklegung aktuelle Stand. Gültige Prüfzeugnisse sowie technische Informationen finden Sie unter www.hueck.com

All standards referred to herein, were valid at time of printing. Valid test reports as well as technical information can be found at www.hueck.com

SCHALLSCHUTZANFORDERUNGEN
SOUNDPROOFING REQUIREMENTS

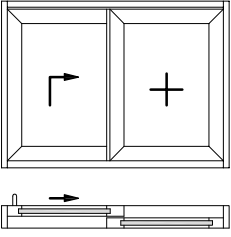
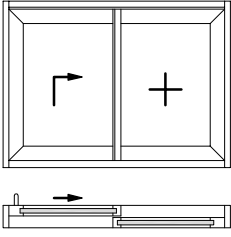
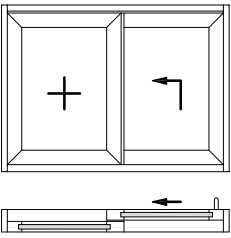
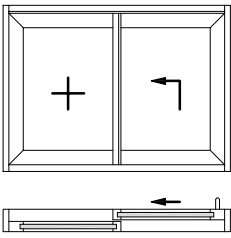
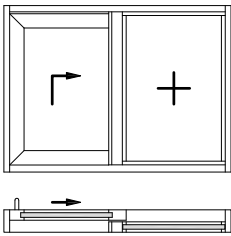
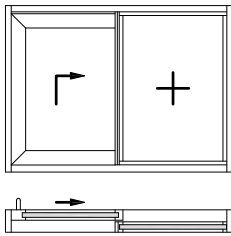
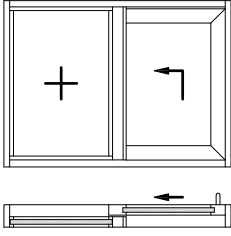
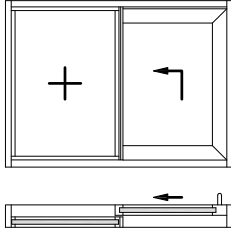
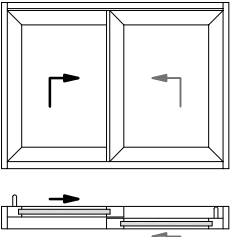
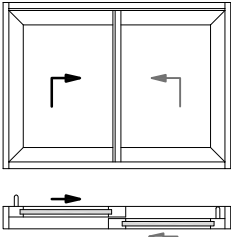
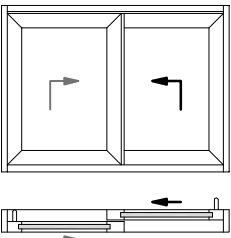
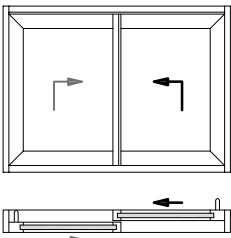


i Bei Anlagen mit besonderen/erhöhten Schallschutzanforderungen ist die Dichtung Z 917261 zu verwenden!
For units with special/elevated soundproofing requirements, the gasket Z 917261 must be used!

Verglasungsvariante	R _w in dB
Hebe-Schiebetüranlage Typ Volato M+, Verglasung: VSG 10/2-2 FM / SZR 22 mm / VSG 8/2-2 FM	38
Hebe-Schiebetüranlage Typ Volato M+, Verglasung: (iplus E ipaph. SF 45/35 SF-1.1): SF 9 FM / SZR 16 mm / BG ipl. E Fl. 10 FM	40
Hebe-Schiebetüranlage Typ Volato M+, Verglasung: (iplus E ipaphon 37/28-1.1): Float 8 mm FM / SZR 16 mm / BG ipl. E Fl. 4 FM	36
Hebe-Schiebetüranlage Typ Volato M+, Verglasung: VSG 8/2-4 FM / SZR 22 mm / VSG 8/2-4 FM	39
Hebe-Schiebetüranlage Typ Volato M+, Verglasung: VSG 8/2-2 FM / SZR 10 mm / Float 4 mm FM / SZR 10 mm / VSG 8/2-2 FM	38
Hebe-Schiebetüranlage Typ Volato M+, Verglasung: VSG 10/2-2 FM / SZR 10 mm / Float 4 mm FM / SZR 10 mm / VSG 8/2-2 FM	42
Hebe-Schiebetüranlage Typ Volato M+, Verglasung: (Warmglas iplus neutral E): SF 17 FM / SZR 20 mm / BG ipl. E SF 11 FM	43

Glazing variant	R _w in dB
Lift and slide door unit Type Volato M+, glazing: VSG 10/2-2 FM / SZR 22 mm / VSG 8/2-2 FM	38
Lift and slide door unit Type Volato M+, glazing: (iplus E ipaph. SF 45/35 SF-1.1): SF 9 FM / SZR 16 mm / BG ipl. E Fl. 10 FM	40
Lift and slide door unit Type Volato M+, glazing: (iplus E ipaphon 37/28-1.1): Float 8 mm FM / SZR 16 mm / BG ipl. E Fl. 4 FM	36
Lift and slide door unit Type Volato M+, glazing: VSG 8/2-4 FM / SZR 22 mm / VSG 8/2-4 FM	39
Lift and slide door unit Type Volato M+, glazing: VSG 8/2-2 FM / SZR 10 mm / Float 4 mm FM / SZR 10 mm / VSG 8/2-2 FM	38
Lift and slide door unit Type Volato M+, glazing: VSG 10/2-2 FM / SZR 10 mm / Float 4 mm FM / SZR 10 mm / VSG 8/2-2 FM	42
Lift and slide door unit Type Volato M+, glazing: (warm glass iplus neutral E): SF 17 FM / SZR 20 mm / BG ipl. E SF 11 FM	43

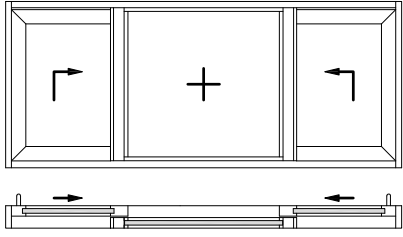
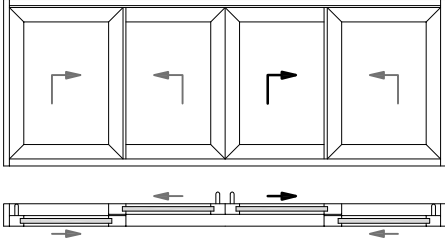
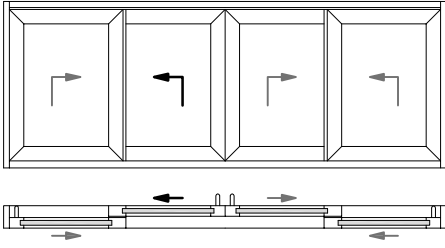
SCHEMA-ÜBERSICHT (ANSICHT VON AUSSEN)
OVERVIEW OF SCHEMES (VIEW FROM THE OUTSIDE)

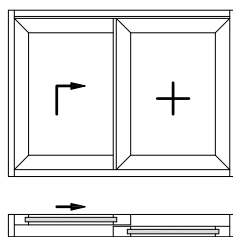
Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
A1			2-spurige Anlage mit 2 Feldern Schiebeflügel links, Festflügel rechts Primärer Flügel nach links öffnend Double-tracked system with 2 fields Sliding sash left, fixed sash right Primary sash sliding to the left
A2			2-spurige Anlage mit 2 Feldern Schiebeflügel rechts, Festflügel links Primärer Flügel nach rechts öffnend Double-tracked system with 2 fields Sliding sash right, fixed sash left Primary sash sliding to the right
MA1			Monorail mit 2 Feldern Schiebeflügel links, Festfeld rechts Primärer Flügel nach links öffnend Monorail with 2 fields Sliding sash left, fixed field right Primary sash sliding to the left
MA2			Monorail mit 2 Feldern Schiebeflügel rechts, Festfeld links Primärer Flügel nach rechts öffnend Monorail with 2 fields Sliding sash right, fixed field left Primary sash sliding to the right
D1			2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach links öffnend Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the left
D2			2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach rechts öffnend Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the right

SCHEMA-ÜBERSICHT (ANSICHT VON AUSSEN)
OVERVIEW OF SCHEMES (VIEW FROM THE OUTSIDE)

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
MG1		<p>Monorail mit 3 Feldern Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach links öffnend</p> <p>Monorail with 3 fields Sliding sash in the middle 1 fixed field left and right each Primary sash sliding to the left</p>
MG2		<p>Monorail mit 3 Feldern Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach rechts öffnend</p> <p>Monorail with 3 fields Sliding sash in the middle 1 fixed field left and right each Primary sash sliding to the right</p>
C1		<p>2-spurige Anlage mit 4 Feldern 2 Schiebeflügel mittig je 1 Festflügel links und rechts Primärer Flügel nach links öffnend</p> <p>Double-tracked system with 4 fields 2 sliding sashes in the middle 1 fixed sash left and right each Primary sash sliding to the left</p>
C2		<p>2-spurige Anlage mit 4 Feldern 2 Schiebeflügel mittig je 1 Festflügel links und rechts Primärer Flügel nach rechts öffnend</p> <p>Double-tracked system with 4 fields 2 sliding sashes in the middle 1 fixed sash left and right each Primary sash sliding to the right</p>
MC1		<p>Monorail mit 4 Feldern 2 Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach links öffnend</p> <p>Monorail with 4 fields 2 sliding sashes in the middle 1 fixed field left and right each Primary sash sliding to the left</p>
MC2		<p>Monorail mit 4 Feldern 2 Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach rechts öffnend</p> <p>Monorail with 4 fields 2 sliding sashes in the middle 1 fixed field left and right each Primary sash sliding to the right</p>

SCHEMA-ÜBERSICHT (ANSICHT VON AUSSEN)
 OVERVIEW OF SCHEMES (VIEW FROM THE OUTSIDE)

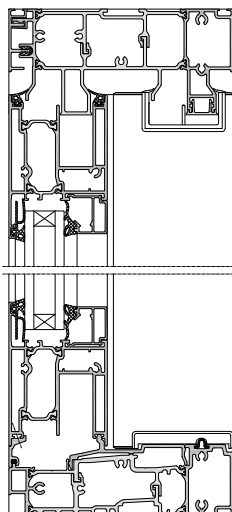
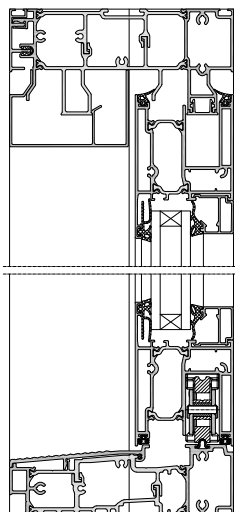
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
MK		<p>Monorail mit 3 Feldern Schiebeflügel links und rechts Festfeld mittig Primärer Flügel nach links und rechts öffnend</p> <p>Monorail with 3 fields Sliding sashes left and right Fixed field in the middle Primary sash sliding to the left and right</p>
F1		<p>2-spurige Anlage mit 4 Feldern 4 Schiebeflügel Primärer Flügel mittig nach links öffnend</p> <p>Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the left</p>
F2		<p>2-spurige Anlage mit 4 Feldern 4 Schiebeflügel Primärer Flügel mittig nach rechts öffnend</p> <p>Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the right</p>



Schema A1
Scheme A1

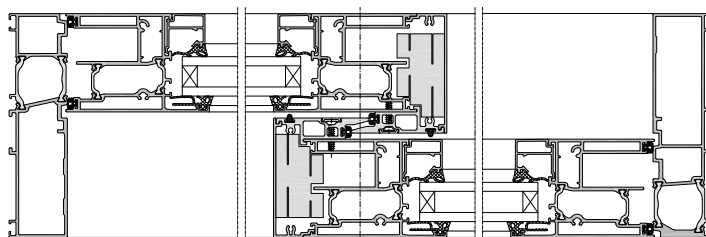
$U_f = 2,1 \text{ W/m}^2\text{K}$

$U_f = 2,2 \text{ W/m}^2\text{K}$



$U_f = 2,6 \text{ W/m}^2\text{K}$

$U_f = 2,8 \text{ W/m}^2\text{K}$



$U_f = 2,5 \text{ W/m}^2\text{K}$

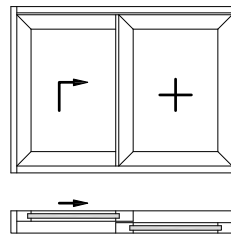
$U_f = 2,6 \text{ W/m}^2\text{K}$

$U_f = 2,5 \text{ W/m}^2\text{K}$

SCHEMA A1
SCHEME A1

Berücksichtigte Elementgröße 3500 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U_w ($\epsilon = 0,1$)
Unit size of 3500 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U_w ($\epsilon = 0,1$)

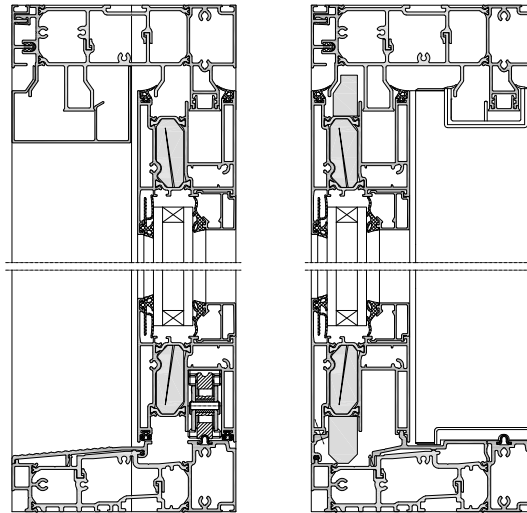
Variante Variant	Randverbund Glazing edge	Ψ_g [W/mK]	Zweisciben-Verglasung / Double glazing								Ψ_g [W/mK]	Dreisciben-Verglasung / Triple glazing						
			U_g [W/m²K]									U_g [W/m²K]						
				1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9			0,9	0,8	0,7	0,6	0,5
				U_w [W/m²K]										U_w [W/m²K]				
eco	Aluminium	0,110	2,0	1,9	1,8	1,8	1,7	1,6	1,5	1,5	0,110	1,5	1,4	1,3	1,2	1,1	1,1	
	Nirotec 015	0,062	1,9	1,8	1,8	1,7	1,6	1,5	1,4	1,4	0,058	1,4	1,3	1,2	1,1	1,1	1,1	
	Thermix	0,050	1,9	1,8	1,7	1,7	1,6	1,5	1,4	1,3	0,045	1,3	1,3	1,2	1,1	1,1	1,0	
	TPS	0,047	1,9	1,8	1,7	1,6	1,6	1,5	1,4	1,3	0,042	1,3	1,3	1,2	1,1	1,1	1,0	
	Swisspacer V	0,039	1,9	1,8	1,7	1,6	1,6	1,5	1,4	1,3	0,034	1,3	1,2	1,2	1,1	1,1	1,0	
	Paneel o. RV	0,000	1,8	1,7	1,6	1,6	1,5	1,4	1,3	1,3	0,000	1,3	1,2	1,1	1,0	1,0	1,0	



Schema A1
Scheme A1

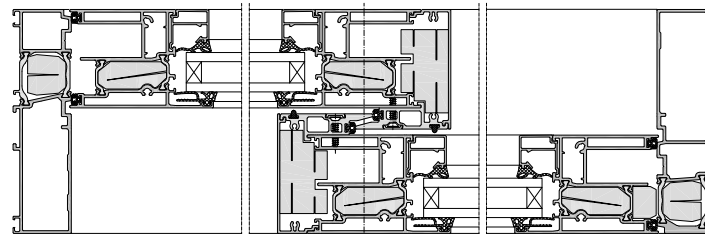
$U_f = 2,0 \text{ W/m}^2\text{K}$

$U_f = 1,8 \text{ W/m}^2\text{K}$



$U_f = 2,5 \text{ W/m}^2\text{K}$

$U_f = 2,0 \text{ W/m}^2\text{K}$



$U_f = 2,3 \text{ W/m}^2\text{K}$

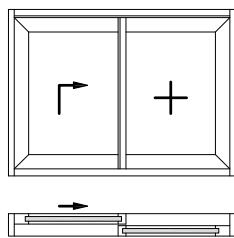
$U_f = 2,5 \text{ W/m}^2\text{K}$

$U_f = 1,9 \text{ W/m}^2\text{K}$

SCHEMA A1
SCHEME A1

Berücksichtigte Elementgröße 3500 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U_w ($\epsilon = 0,1$)
Unit size of 3500 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U_w ($\epsilon = 0,1$)

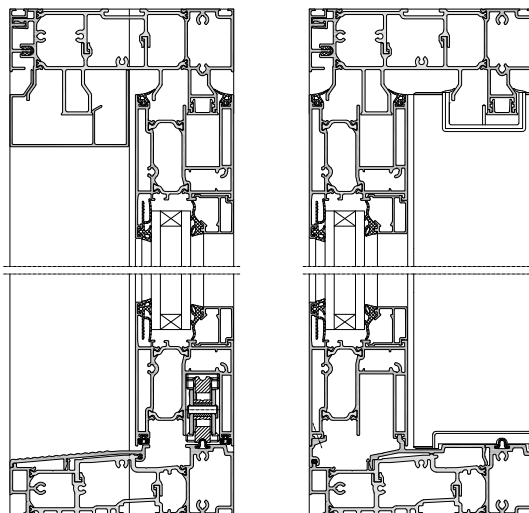
Variante Variant	Randverbund Glazing edge	Ψ_g [W/mK]	Zweischeiben-Verglasung / Double glazing								Ψ_g [W/mK]	Dreischeiben-Verglasung / Triple glazing				
			U_g [W/m ² K]									U_g [W/m ² K]				
			1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9		0,9	0,8	0,7	0,6	0,5
U_w [W/m ² K]											U_w [W/m ² K]					
plus	Aluminium	0,110	1,9	1,8	1,8	1,7	1,6	1,5	1,5	1,4	0,110	1,4	1,3	1,2	1,1	1,1
	Nirotec 015	0,062	1,8	1,8	1,7	1,6	1,5	1,4	1,4	1,3	0,058	1,3	1,2	1,1	1,1	1,0
	Thermix	0,050	1,8	1,7	1,7	1,6	1,5	1,4	1,3	1,3	0,045	1,3	1,2	1,1	1,0	1,0
	TPS	0,047	1,8	1,7	1,7	1,6	1,5	1,4	1,3	1,3	0,042	1,3	1,2	1,1	1,0	1,0
	Swisspacer V	0,039	1,8	1,7	1,6	1,6	1,5	1,4	1,3	1,3	0,034	1,2	1,2	1,1	1,0	0,9
	Panel o. RV	0,000	1,7	1,6	1,6	1,5	1,4	1,3	1,3	1,2	0,000	1,2	1,1	1,0	1,0	0,9



Schema A1
Scheme A1

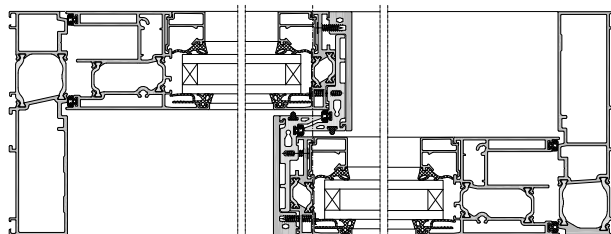
$U_f = 2,1 \text{ W/m}^2\text{K}$

$U_f = 2,2 \text{ W/m}^2\text{K}$



$U_f = 2,6 \text{ W/m}^2\text{K}$

$U_f = 2,8 \text{ W/m}^2\text{K}$



$U_f = 2,5 \text{ W/m}^2\text{K}$

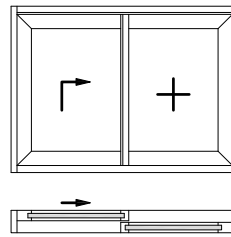
$U_f = 6,8 \text{ W/m}^2\text{K}$

$U_f = 2,5 \text{ W/m}^2\text{K}$

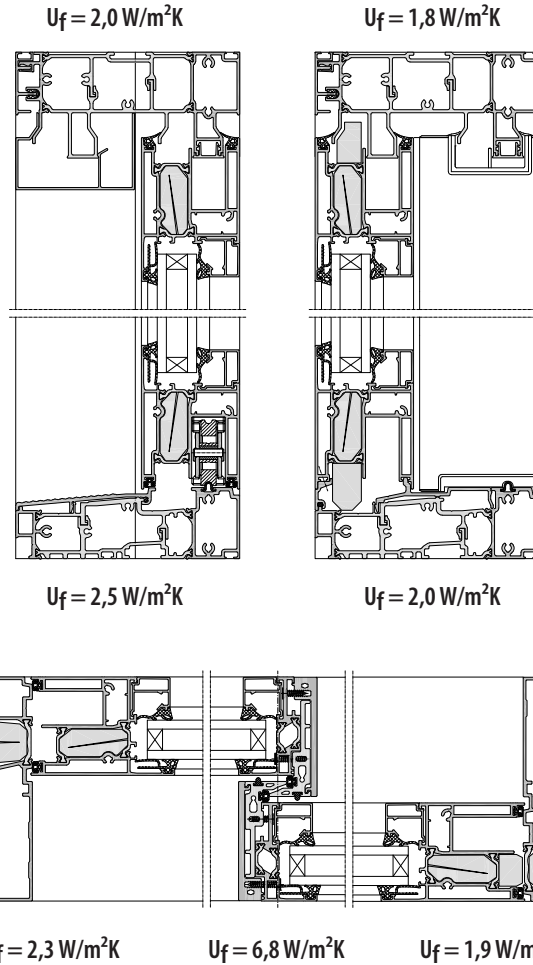
SCHEMA A1
SCHEME A1

Berücksichtigte Elementgröße 3500 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U_w ($\epsilon = 0,1$)
Unit size of 3500 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U_w ($\epsilon = 0,1$)

Variante Variant	Randverbund Glazing edge	Ψ_g [W/mK]	Zweiseiben-Verglasung / Double glazing								Ψ_g [W/mK]	Dreiseiben-Verglasung / Triple glazing						
			U_g [W/m²K]									U_g [W/m²K]						
			1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9				0,9	0,8	0,7	0,6	0,5
			U_w [W/m²K]								U_w [W/m²K]							
eco	Aluminium	0,110	2,0	2,0	1,9	1,8	1,7	1,6	1,6	1,5	0,110	1,4	1,3	1,2	1,1	1,0		
	Nirotec 015	0,062	1,9	1,9	1,8	1,7	1,6	1,6	1,5	1,4	0,058	1,3	1,2	1,1	1,0	1,0		
	Thermix	0,050	1,9	1,8	1,8	1,7	1,6	1,5	1,5	1,4	0,045	1,3	1,2	1,1	1,0	0,9		
	TPS	0,047	1,9	1,8	1,8	1,7	1,6	1,5	1,4	1,4	0,042	1,2	1,2	1,1	1,0	0,9		
	Swisspacer V	0,039	1,9	1,8	1,7	1,7	1,6	1,5	1,4	1,4	0,034	1,2	1,1	1,1	1,0	0,9		
	Paneel o. RV	0,000	1,8	1,8	1,7	1,6	1,5	1,4	1,4	1,3	0,000	1,2	1,1	1,0	0,9	0,8		



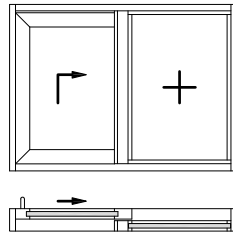
Schema A1
Scheme A1



SCHEMA A1
SCHEME A1

Berücksichtigte Elementgröße 3500 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U_w ($\epsilon = 0,1$)
Unit size of 3500 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U_w ($\epsilon = 0,1$)

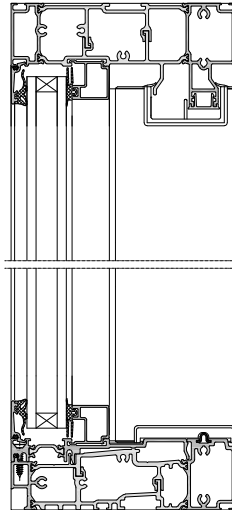
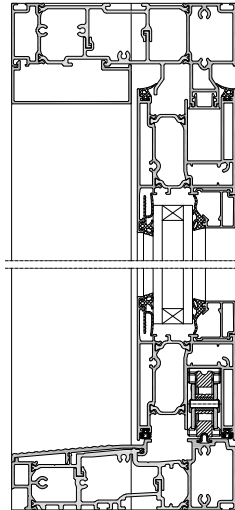
Variante Variant	Randverbund Glazing edge	Ψ_g [W/mK]	Zweischeiben-Verglasung / Double glazing								Ψ_g [W/mK]	Dreischeiben-Verglasung / Triple glazing				
			U_g [W/m ² K]									U_g [W/m ² K]				
			1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9		0,9	0,8	0,7	0,6	0,5
plus			U_w [W/m ² K]									U_w [W/m ² K]				
	Aluminium	0,110	2,0	1,9	1,8	1,7	1,6	1,6	1,5	1,4	0,110	1,4	1,3	1,3	1,2	1,1
	Nirotec 015	0,062	1,9	1,8	1,7	1,6	1,6	1,5	1,4	1,3	0,058	1,3	1,2	1,2	1,1	1,0
	Thermix	0,050	1,9	1,8	1,7	1,6	1,5	1,5	1,4	1,3	0,045	1,3	1,2	1,1	1,1	1,0
	TPS	0,047	1,8	1,8	1,7	1,6	1,5	1,5	1,4	1,3	0,042	1,3	1,2	1,1	1,1	1,0
	Swisspacer V	0,039	1,8	1,8	1,7	1,6	1,5	1,4	1,4	1,3	0,034	1,3	1,2	1,1	1,0	1,0
Panel o. RV	0,000	1,8	1,7	1,6	1,5	1,4	1,4	1,3	1,2	0,000	1,2	1,1	1,1	1,0	0,9	



Schema MA1
Scheme MA1

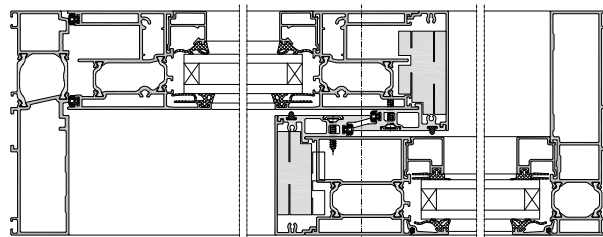
$U_f = 2,1 \text{ W/m}^2\text{K}$

$U_f = 1,9 \text{ W/m}^2\text{K}$



$U_f = 2,6 \text{ W/m}^2\text{K}$

$U_f = 2,3 \text{ W/m}^2\text{K}$



$U_f = 2,5 \text{ W/m}^2\text{K}$

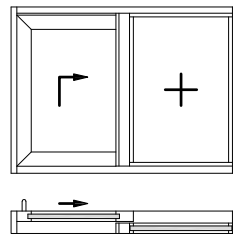
$U_f = 2,6 \text{ W/m}^2\text{K}$

$U_f = 2,6 \text{ W/m}^2\text{K}$

SCHEMA MA1
SCHEME MA1

Berücksichtigte Elementgröße 3500 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U_w ($\epsilon = 0,1$)
Unit size of 3500 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U_w ($\epsilon = 0,1$)

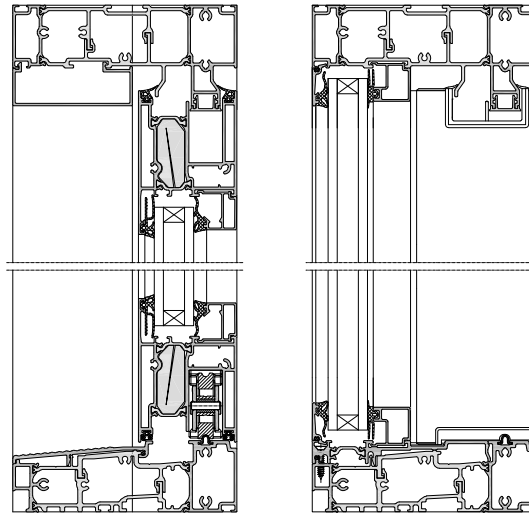
Variante Variant	Randverbund Glazing edge	Ψ_g [W/mK]	Zweischeiben-Verglasung / Double glazing								Ψ_g [W/mK]	Dreischeiben-Verglasung / Triple glazing							
			U_g [W/m ² K]									U_g [W/m ² K]							
				1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9			0,9	0,8	0,7	0,6	0,5	
				U_w [W/m ² K]										U_w [W/m ² K]					
eco	Aluminium	0,110	1,9	1,9	1,8	1,7	1,6	1,5	1,5	1,4	0,110	1,5	1,4	1,3	1,2	1,2	1,1	1,0	
	Nirotec 015	0,062	1,9	1,8	1,7	1,6	1,5	1,4	1,4	1,3	0,058	1,4	1,3	1,2	1,2	1,1	1,0	0,9	
	Thermix	0,050	1,8	1,8	1,7	1,6	1,5	1,4	1,3	1,3	0,045	1,4	1,3	1,2	1,1	1,0	0,9	0,8	
	TPS	0,047	1,8	1,7	1,7	1,6	1,5	1,4	1,3	1,3	0,042	1,4	1,3	1,2	1,1	1,0	0,9	0,8	0,7
	Swisspacer V	0,039	1,8	1,7	1,7	1,6	1,5	1,4	1,3	1,2	0,034	1,3	1,3	1,2	1,1	1,0	0,9	0,8	0,7
	Panel o. RV	0,000	1,7	1,7	1,6	1,5	1,4	1,3	1,2	1,2	0,000	1,3	1,2	1,1	1,0	1,0	0,9	0,8	0,7



Schema MA1
Scheme MA1

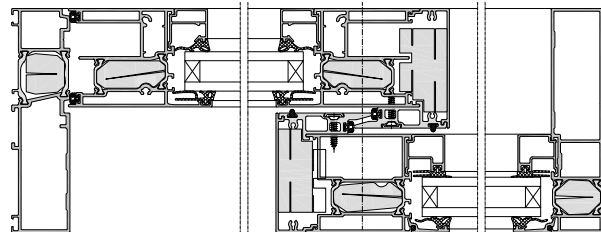
$U_f = 2,0 \text{ W/m}^2\text{K}$

$U_f = 1,9 \text{ W/m}^2\text{K}$



$U_f = 2,5 \text{ W/m}^2\text{K}$

$U_f = 2,3 \text{ W/m}^2\text{K}$



$U_f = 2,3 \text{ W/m}^2\text{K}$

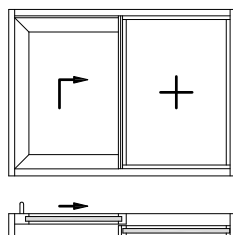
$U_f = 2,6 \text{ W/m}^2\text{K}$

$U_f = 2,4 \text{ W/m}^2\text{K}$

SCHEMA MA1
SCHEME MA1

Berücksichtigte Elementgröße 3500 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U_w ($\epsilon = 0,1$)
Unit size of 3500 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U_w ($\epsilon = 0,1$)

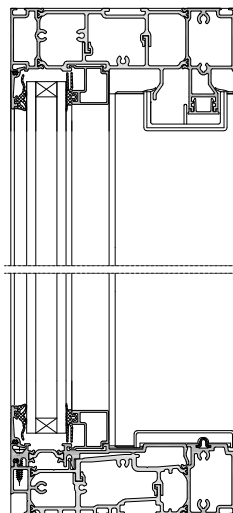
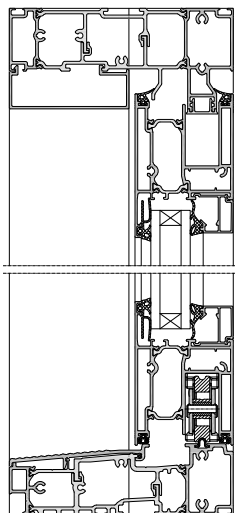
Variante Variant	Randverbund Glazing edge	Ψ_g [W/mK]	Zweischeiben-Verglasung / Double glazing								Ψ_g [W/mK]	Dreischeiben-Verglasung / Triple glazing				
			U_g [W/m²K]									U_g [W/m²K]				
			1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9		0,9	0,8	0,7	0,6	0,5
U_w [W/m²K]																
plus	Aluminium	0,110	1,9	1,8	1,8	1,7	1,6	1,5	1,4	1,4	0,110	1,4	1,3	1,2	1,1	1,0
	Nirotec 015	0,062	1,8	1,8	1,7	1,6	1,5	1,4	1,3	1,3	0,058	1,3	1,2	1,1	1,0	0,9
	Thermix	0,050	1,8	1,7	1,7	1,6	1,5	1,4	1,3	1,2	0,045	1,2	1,2	1,1	1,0	0,9
	TPS	0,047	1,8	1,7	1,6	1,6	1,5	1,4	1,3	1,2	0,042	1,2	1,1	1,1	1,0	0,9
	Swisspacer V	0,039	1,8	1,7	1,6	1,6	1,5	1,4	1,3	1,2	0,034	1,2	1,1	1,0	1,0	0,9
	Paneel o. RV	0,000	1,7	1,6	1,6	1,5	1,4	1,3	1,2	1,2	0,000	1,2	1,1	1,0	0,9	0,8



Schema MA1
Scheme MA1

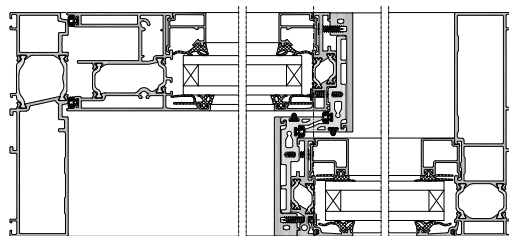
$U_f = 2,1 \text{ W/m}^2\text{K}$

$U_f = 1,9 \text{ W/m}^2\text{K}$



$U_f = 2,6 \text{ W/m}^2\text{K}$

$U_f = 2,3 \text{ W/m}^2\text{K}$



$U_f = 2,5 \text{ W/m}^2\text{K}$

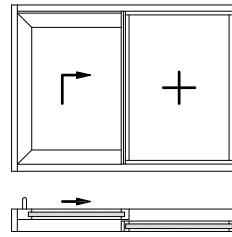
$U_f = 6,8 \text{ W/m}^2\text{K}$

$U_f = 2,6 \text{ W/m}^2\text{K}$

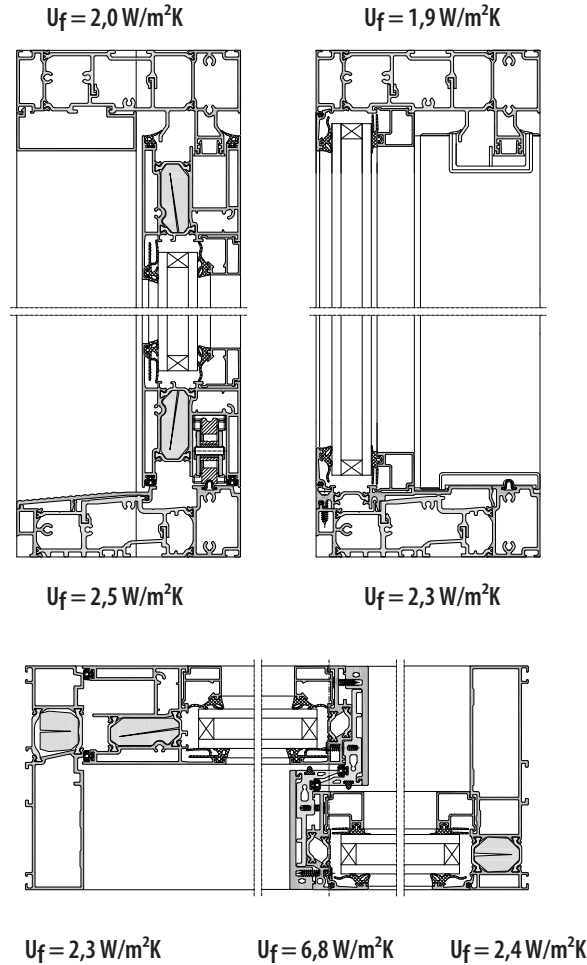
SCHEMA MA1
SCHEME MA1

Berücksichtigte Elementgröße 3500 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U_w ($\epsilon = 0,1$)
Unit size of 3500 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U_w ($\epsilon = 0,1$)

Variante Variant	Randverbund Glazing edge	Ψ_g [W/mK]	Zweischeiben-Verglasung / Double glazing								Ψ_g [W/mK]	Dreischeiben-Verglasung / Triple glazing						
			U_g [W/m ² K]									U_g [W/m ² K]						
				1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9	0,9	0,8	0,7	0,6	0,5		
				U_w [W/m ² K]										U_w [W/m ² K]				
eco	Aluminium	0,110	2,0	1,9	1,8	1,7	1,7	1,6	1,5	1,4	0,110	1,4	1,3	1,2	1,2	1,1		
	Nirotec 015	0,062	1,9	1,8	1,7	1,6	1,6	1,5	1,4	1,3	0,058	1,3	1,2	1,1	1,1	1,0		
	Thermix	0,050	1,9	1,8	1,7	1,6	1,5	1,5	1,4	1,3	0,045	1,3	1,2	1,1	1,0	1,0		
	TPS	0,047	1,9	1,8	1,7	1,6	1,5	1,5	1,4	1,3	0,042	1,3	1,2	1,1	1,0	0,9		
	Swisspacer V	0,039	1,9	1,8	1,7	1,6	1,5	1,4	1,4	1,3	0,034	1,3	1,2	1,1	1,0	0,9		
	Panel o. RV	0,000	1,8	1,7	1,6	1,5	1,4	1,4	1,3	1,2	0,000	1,2	1,1	1,0	1,0	0,9		



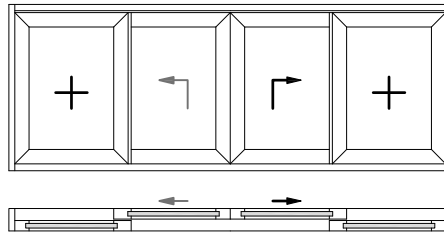
Schema MA1
Scheme MA1



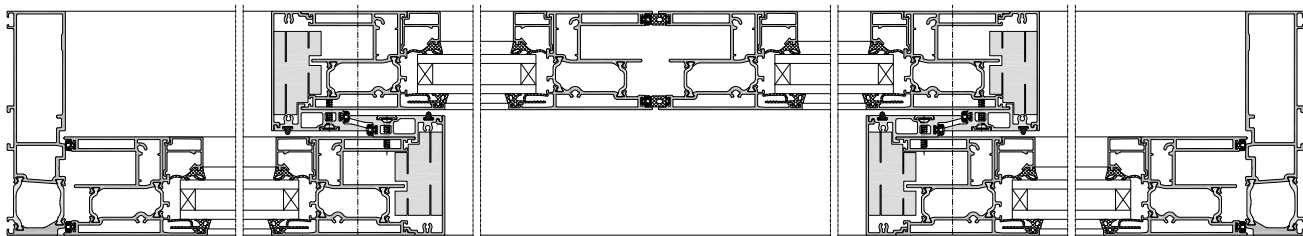
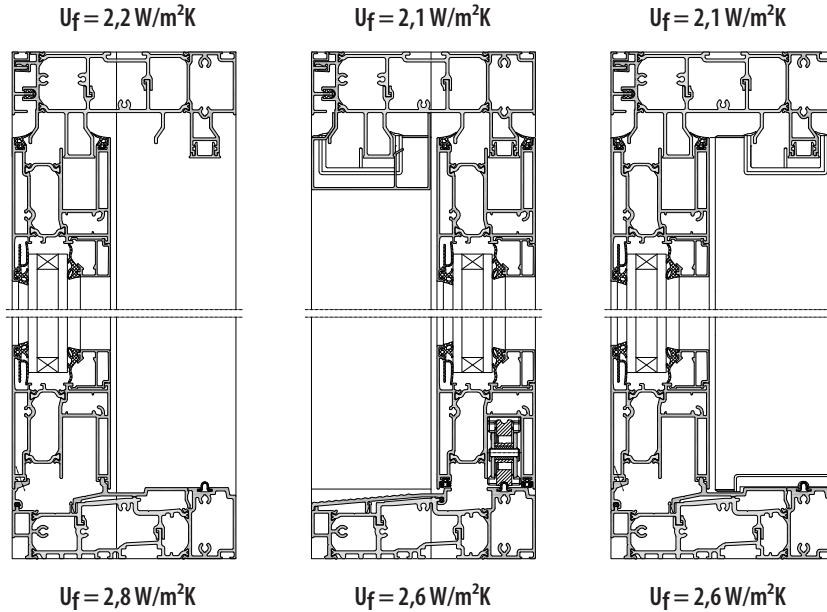
SCHEMA MA1
SCHEME MA1

Berücksichtigte Elementgröße 3500 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U_w ($\epsilon = 0,1$)
Unit size of 3500 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U_w ($\epsilon = 0,1$)

Variante Variant	Randverbund Glazing edge	Ψ_g [W/mK]	Zweiseiben-Verglasung / Double glazing								Ψ_g [W/mK]	Dreiseiben-Verglasung / Triple glazing								
			U_g [W/m ² K]									U_g [W/m ² K]								
			1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9	U_w [W/m ² K]					0,9	0,8	0,7	0,6	0,5
plus	Aluminium	0,110	2,0	1,9	1,8	1,7	1,6	1,6	1,5	1,4	U_w [W/m ² K]					1,4	1,3	1,2	1,1	1,1
	Nirotec 015	0,062	1,9	1,8	1,7	1,6	1,5	1,5	1,4	1,3	U_w [W/m ² K]					1,3	1,2	1,1	1,0	1,0
	Thermix	0,050	1,9	1,8	1,7	1,6	1,5	1,4	1,4	1,3	U_w [W/m ² K]					1,3	1,2	1,1	1,0	0,9
	TPS	0,047	1,9	1,8	1,7	1,6	1,5	1,4	1,4	1,3	U_w [W/m ² K]					1,3	1,2	1,1	1,0	0,9
	Swisspacer V	0,039	1,8	1,8	1,7	1,6	1,5	1,4	1,3	1,3	U_w [W/m ² K]					1,2	1,2	1,1	1,0	0,9
	Paneel o. RV	0,000	1,8	1,7	1,6	1,5	1,4	1,3	1,3	1,2	U_w [W/m ² K]					1,2	1,1	1,0	0,9	0,9



Schema C1
Scheme C1

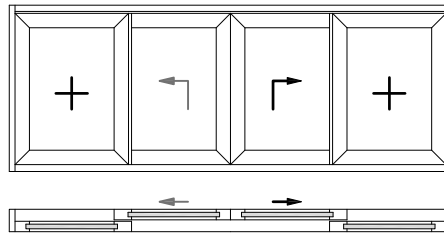


$U_f = 2,5 \text{ W/m}^2\text{K}$ $U_f = 2,6 \text{ W/m}^2\text{K}$ $U_f = 2,6 \text{ W/m}^2\text{K}$ $U_f = 2,6 \text{ W/m}^2\text{K}$ $U_f = 2,5 \text{ W/m}^2\text{K}$

SCHEMA C1
SCHEME C1

Berücksichtigte Elementgröße 4800 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U_w ($\epsilon = 0,1$)
Unit size of 4800 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U_w ($\epsilon = 0,1$)

Variante Variant	Randverbund Glazing edge	Ψ_g [W/mK]	Zweisciben-Verglasung / Double glazing								Dreisciben-Verglasung / Triple glazing					
			U_g [W/m²K]								Ψ_g [W/mK]	U_g [W/m²K]				
			1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9						
			U_w [W/m²K]								U_w [W/m²K]					
eco	Aluminium	0,110	2,1	2,0	1,9	1,8	1,8	1,7	1,6	1,6	0,110	1,6	1,5	1,4	1,3	1,3
	Nirotec 015	0,062	2,0	1,9	1,8	1,7	1,7	1,6	1,5	1,4	0,058	1,4	1,4	1,3	1,2	1,1
	Thermix	0,050	1,9	1,9	1,8	1,7	1,6	1,6	1,5	1,4	0,045	1,4	1,3	1,3	1,2	1,1
	TPS	0,047	1,9	1,9	1,8	1,7	1,6	1,6	1,5	1,4	0,042	1,4	1,3	1,3	1,2	1,1
	Swisspacer V	0,039	1,9	1,8	1,8	1,7	1,6	1,5	1,5	1,4	0,034	1,4	1,3	1,2	1,2	1,1
	Paneel o. RV	0,000	1,8	1,8	1,7	1,6	1,5	1,5	1,4	1,3	0,000	1,3	1,2	1,2	1,1	1,0

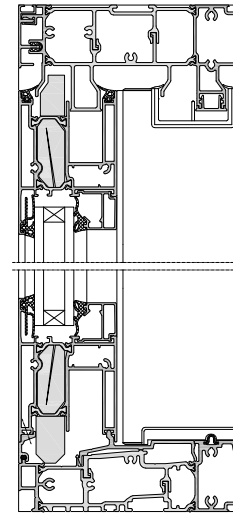
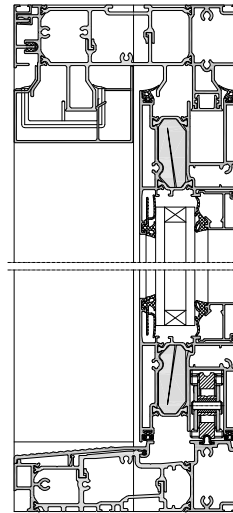
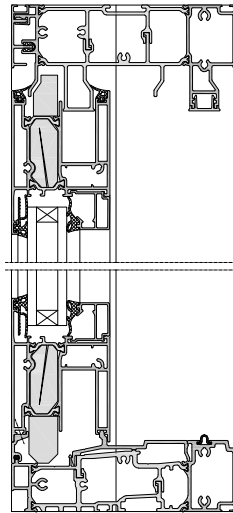


Schema C1
Scheme C1

$U_f = 1,8 \text{ W/m}^2\text{K}$

$U_f = 2,0 \text{ W/m}^2\text{K}$

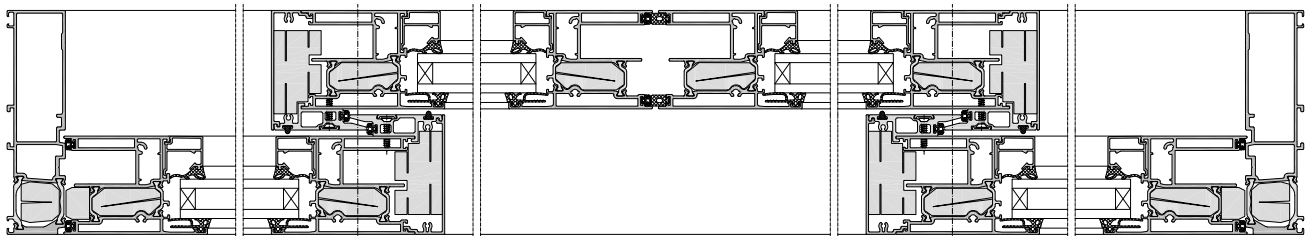
$U_f = 2,0 \text{ W/m}^2\text{K}$



$U_f = 2,0 \text{ W/m}^2\text{K}$

$U_f = 2,5 \text{ W/m}^2\text{K}$

$U_f = 2,5 \text{ W/m}^2\text{K}$



$U_f = 2,3 \text{ W/m}^2\text{K}$

$U_f = 2,5 \text{ W/m}^2\text{K}$

$U_f = 2,5 \text{ W/m}^2\text{K}$

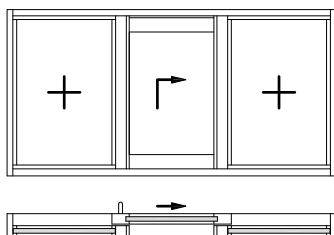
$U_f = 2,5 \text{ W/m}^2\text{K}$

$U_f = 1,9 \text{ W/m}^2\text{K}$

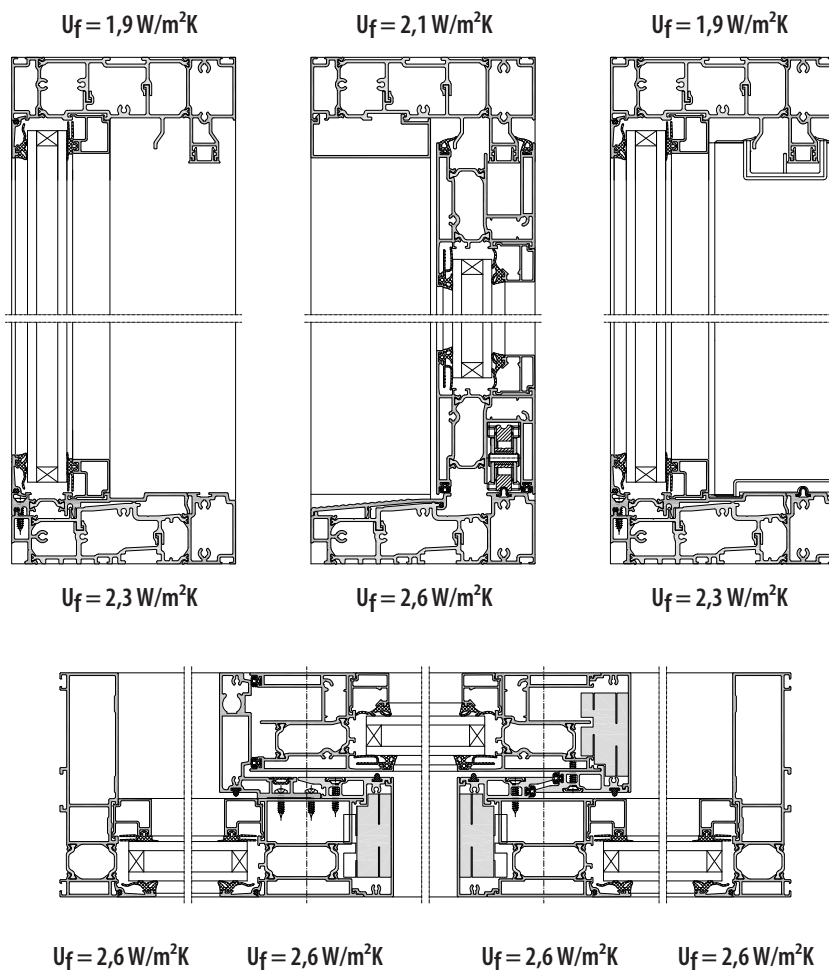
SCHEMA C1
SCHEME C1

Berücksichtigte Elementgröße 4800 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U_w ($\epsilon = 0,1$)
Unit size of 4800 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U_w ($\epsilon = 0,1$)

		Zweischeiben-Verglasung / Double glazing									Dreischeiben-Verglasung / Triple glazing								
Variante / Variant	Randverbund / Glazing edge	Ψ_g [W/mK]	U_g [W/m ² K]									Ψ_g [W/mK]	U_g [W/m ² K]						
				1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9			0,9	0,8	0,7	0,6	0,5	
				U_w [W/m ² K]											U_w [W/m ² K]				
plus	Aluminium	0,110	2,0	1,9	1,9	1,8	1,7	1,6	1,6	1,5	0,110	1,5	1,4	1,3	1,3	1,2			
	Nirotec 015	0,062	1,9	1,8	1,7	1,7	1,6	1,5	1,4	1,4	0,058	1,4	1,3	1,2	1,1	1,1			
	Thermix	0,050	1,9	1,8	1,7	1,6	1,6	1,5	1,4	1,3	0,045	1,3	1,3	1,2	1,1	1,0			
	TPS	0,047	1,9	1,8	1,7	1,6	1,6	1,5	1,4	1,3	0,042	1,3	1,3	1,2	1,1	1,0			
	Swisspacer V	0,039	1,8	1,8	1,7	1,6	1,5	1,5	1,4	1,3	0,034	1,3	1,2	1,2	1,1	1,0			
	Panel o. RV	0,000	1,8	1,7	1,6	1,5	1,5	1,4	1,3	1,2	0,000	1,2	1,2	1,1	1,0	0,9			



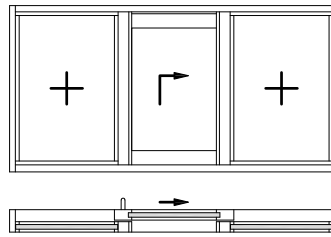
Schema MG1
Scheme MG1



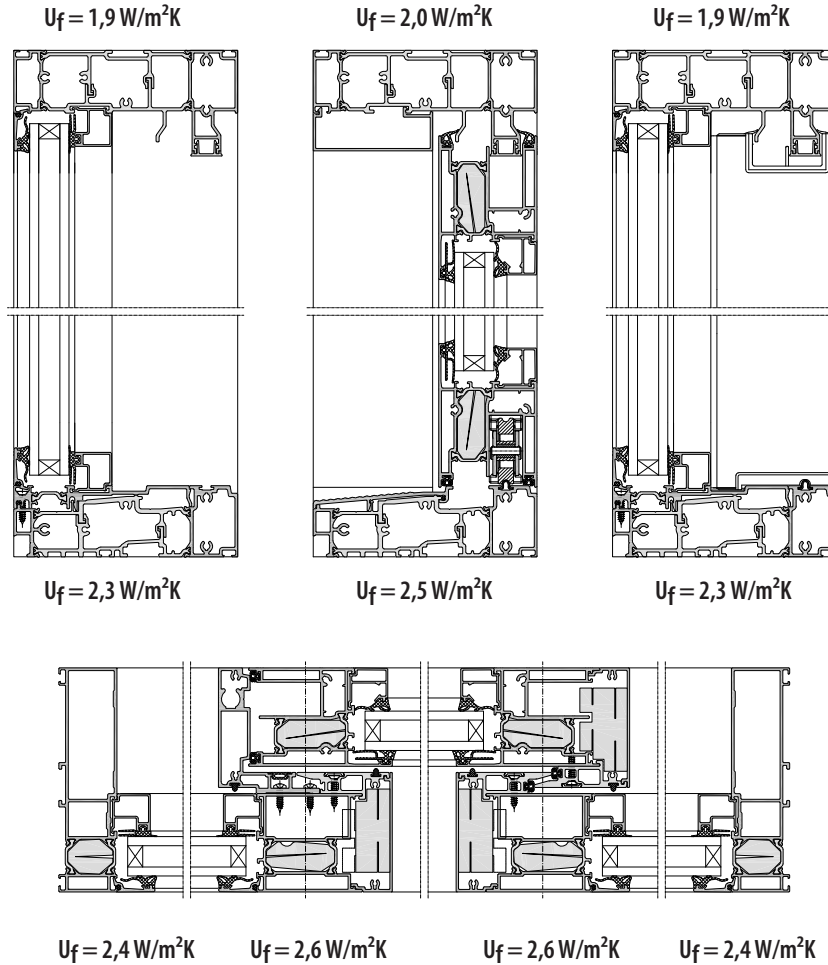
SCHEMA MG1
SCHEME MG1

Berücksichtigte Elementgröße 6000 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U_w ($\epsilon = 0,1$)
Unit size of 6000 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U_w ($\epsilon = 0,1$)

Variante Variant	Randverbund Glazing edge	Ψ_g [W/mK]	Zweischeiben-Verglasung / Double glazing								Ψ_g [W/mK]	Dreischeiben-Verglasung / Triple glazing						
			U_g [W/m ² K]									U_g [W/m ² K]						
				1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9	0,9	0,8	0,7	0,6	0,5		
				U_w [W/m ² K]										U_w [W/m ² K]				
eco	Aluminium	0,110	1,9	1,8	1,7	1,6	1,6	1,5	1,4	1,3	0,110	1,3	1,2	1,1	1,0	1,0		
	Nirotec 015	0,062	1,8	1,7	1,6	1,6	1,5	1,4	1,3	1,2	0,058	1,2	1,1	1,0	1,0	0,9		
	Thermix	0,050	1,8	1,7	1,6	1,5	1,5	1,4	1,3	1,2	0,045	1,2	1,1	1,0	0,9	0,8		
	TPS	0,047	1,8	1,7	1,6	1,5	1,4	1,4	1,3	1,2	0,042	1,2	1,1	1,0	0,9	0,8		
	Swisspacer V	0,039	1,8	1,7	1,6	1,5	1,4	1,3	1,3	1,2	0,034	1,2	1,1	1,0	0,9	0,8		
	Paneel o. RV	0,000	1,7	1,6	1,5	1,5	1,4	1,3	1,2	1,1	0,000	1,1	1,0	0,9	0,9	0,8		



Schema MG1
Scheme MG1



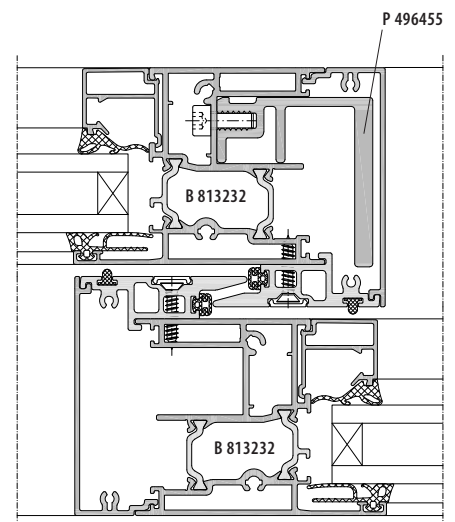
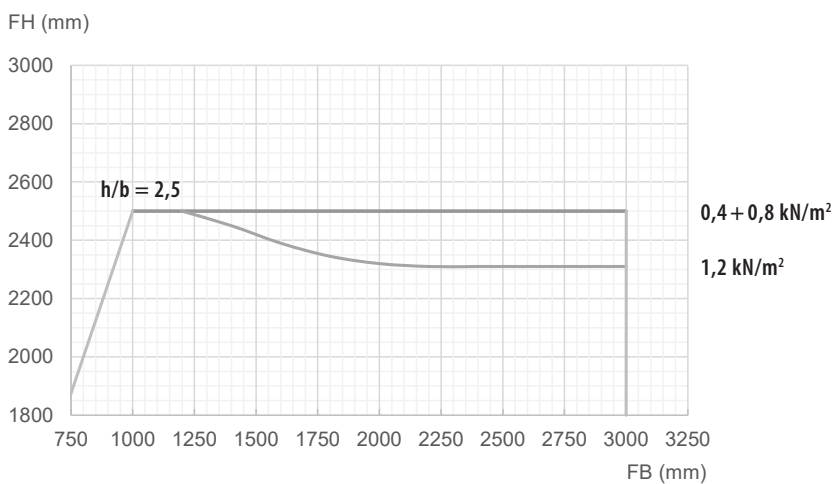
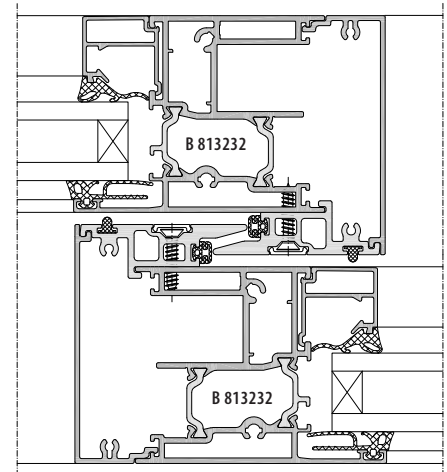
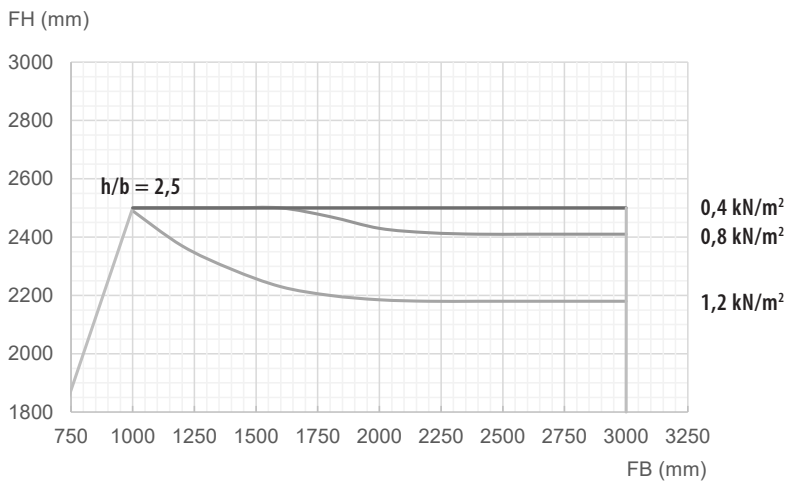
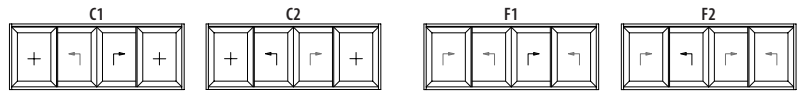
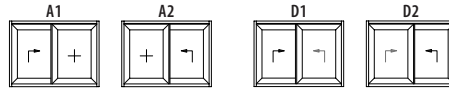
SCHEMA MG1
SCHEME MG1

Berücksichtigte Elementgröße 6000 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U_w ($\epsilon = 0,1$)
Unit size of 6000 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U_w ($\epsilon = 0,1$)

Variante Variant	Randverbund Glazing edge	Ψ_g [W/mK]	Zweischeiben-Verglasung / Double glazing								Dreischeiben-Verglasung / Triple glazing					
			U_g [W/m ² K]								Ψ_g [W/mK]	U_g [W/m ² K]				
			1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9		0,9	0,8	0,7	0,6	0,5
			U_w [W/m ² K]								U_w [W/m ² K]					
plus	Aluminium	0,110	1,9	1,8	1,7	1,6	1,6	1,5	1,4	1,3	0,110	1,3	1,2	1,1	1,0	1,0
	Nirotec 015	0,062	1,8	1,7	1,6	1,6	1,5	1,4	1,3	1,2	0,058	1,2	1,1	1,0	0,9	0,9
	Thermix	0,050	1,8	1,7	1,6	1,5	1,4	1,4	1,3	1,2	0,045	1,2	1,1	1,0	0,9	0,8
	TPS	0,047	1,8	1,7	1,6	1,5	1,4	1,4	1,3	1,2	0,042	1,2	1,1	1,0	0,9	0,8
	Swisspacer V	0,039	1,8	1,7	1,6	1,5	1,4	1,3	1,3	1,2	0,034	1,2	1,1	1,0	0,9	0,8
	Paneel o. RV	0,000	1,7	1,6	1,5	1,4	1,4	1,3	1,2	1,1	0,000	1,1	1,0	0,9	0,8	0,8

max. Flügelgewicht 250 kg
Durchbiegungsgrenze $l / 200$ max. 15 mm nach DIN 18008
ggf. abweichende Angaben der Isolierglashersteller beachten

max. Sash weight 250 kg
Deflection $l / 200$ max. 15 mm in accordance with DIN 18008
Please take note that the glass manufacturer may have different specifications



Flügelgröße / Sash size

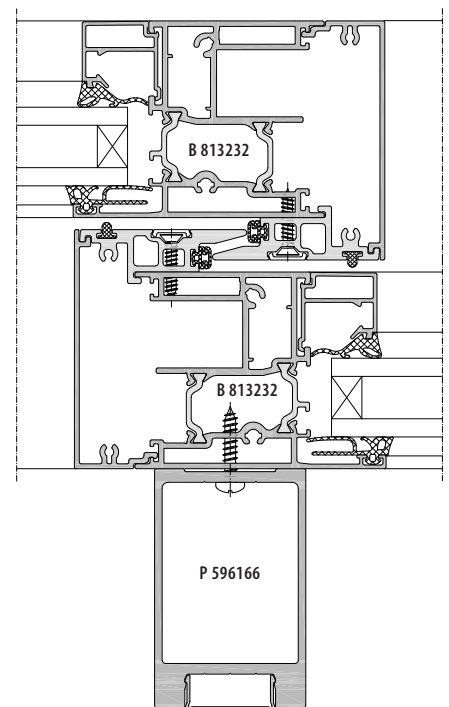
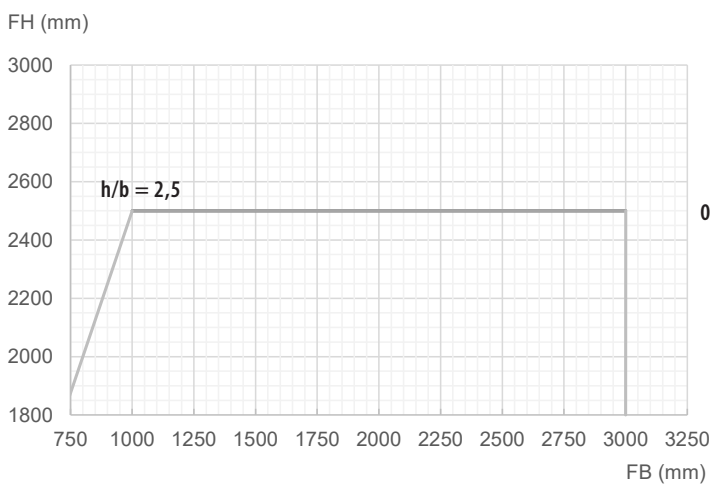
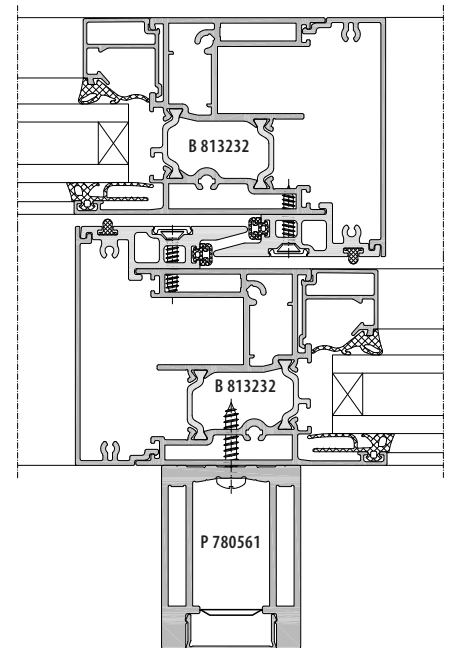
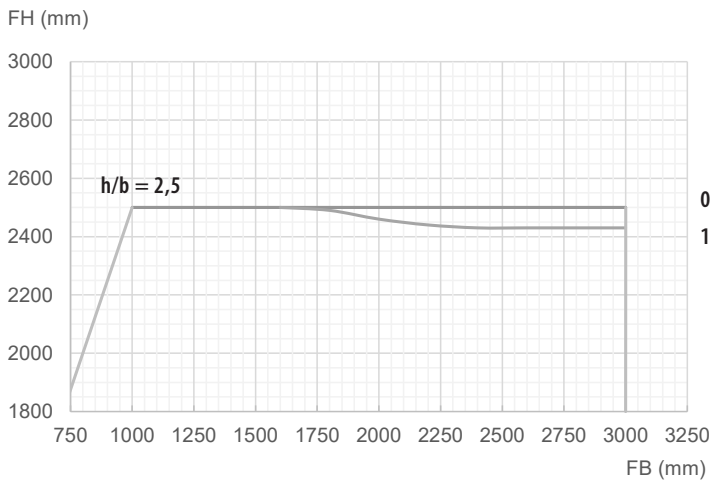
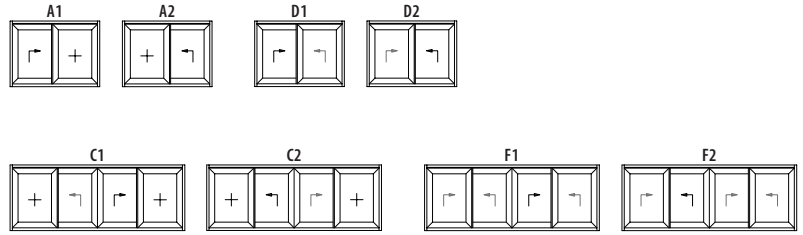
	Breite / Width	Höhe / Height
min.	720 mm	1800 mm
max.	3000 mm	2500 mm

i $h/b = 2,5 \triangleq$ Seitenverhältnis
0,4 kN/m² / 0,8 kN/m² / 1,2 kN/m² \triangleq Windlast

$h/b = 2,5 \triangleq$ Width-to-height ratio
0,4 kN/m² / 0,8 kN/m² / 1,2 kN/m² \triangleq Wind load

max. Flügelgewicht 250 kg
Durchbiegungsgrenze $l / 200$ max. 15 mm nach DIN 18008
ggf. abweichende Angaben der Isolierglashersteller beachten

max. Sash weight 250 kg
Deflection $l / 200$ max. 15 mm in accordance with DIN 18008
Please take note that the glass manufacturer may have different specifications



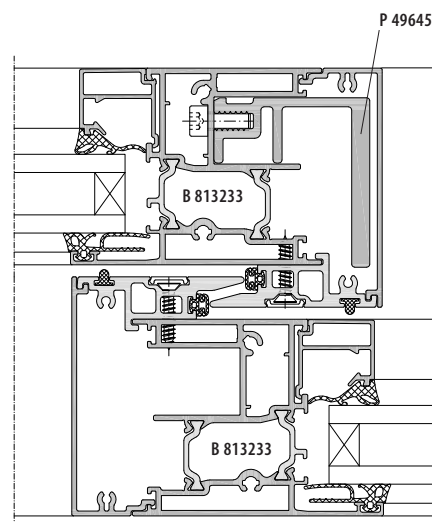
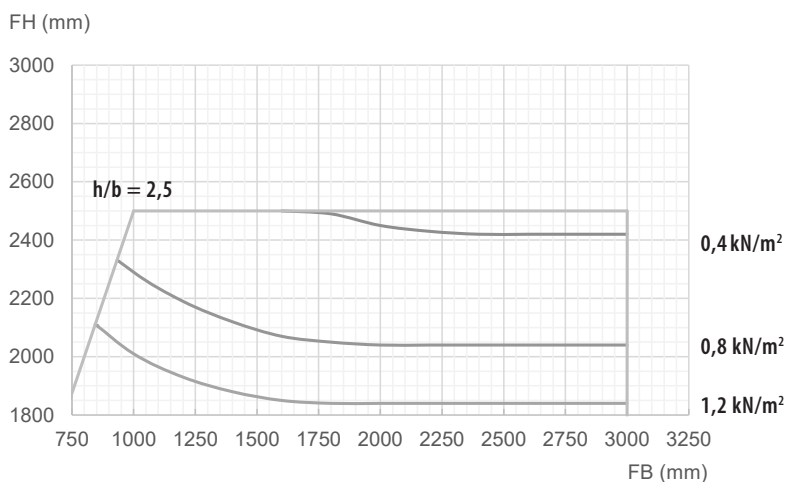
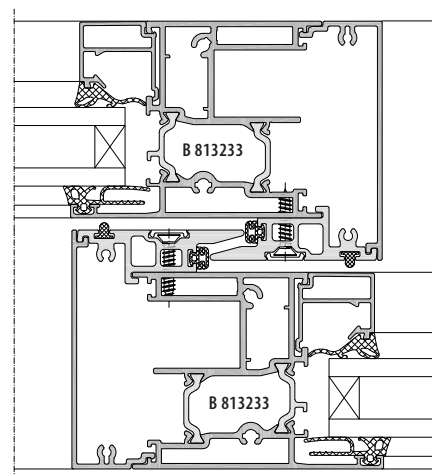
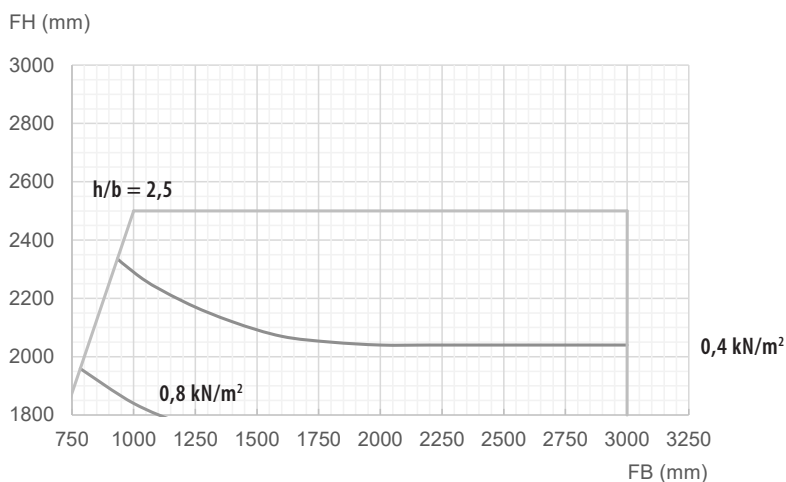
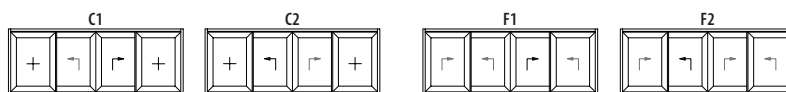
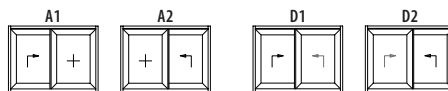
Flügelgröße / Sash size		
	Breite / Width	Höhe / Height
min.	720 mm	1800 mm
max.	3000 mm	2500 mm

i $h/b = 2,5 \triangleq$ Seitenverhältnis
0,4 kN/m² / 0,8 kN/m² / 1,2 kN/m² \triangleq Windlast

$h/b = 2,5 \triangleq$ Width-to-height ratio
0,4 kN/m² / 0,8 kN/m² / 1,2 kN/m² \triangleq Wind load

max. Flügelgewicht 250 kg
Durchbiegungsgrenze $l / 200$ max. 15 mm nach DIN 18008
ggf. abweichende Angaben der Isolierglashersteller beachten

max. Sash weight 250 kg
Deflection $l / 200$ max. 15 mm in accordance with DIN 18008
Please take note that the glass manufacturer may have different specifications



Flügelgröße / Sash size

	Breite / Width	Höhe / Height
min.	720 mm	1800 mm
max.	3000 mm	2500 mm

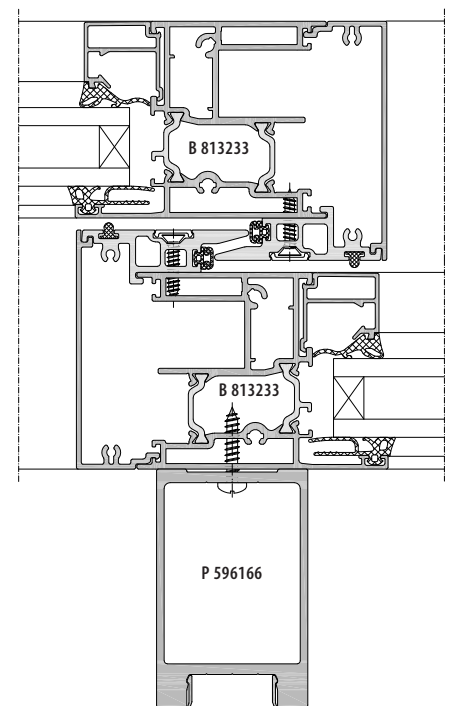
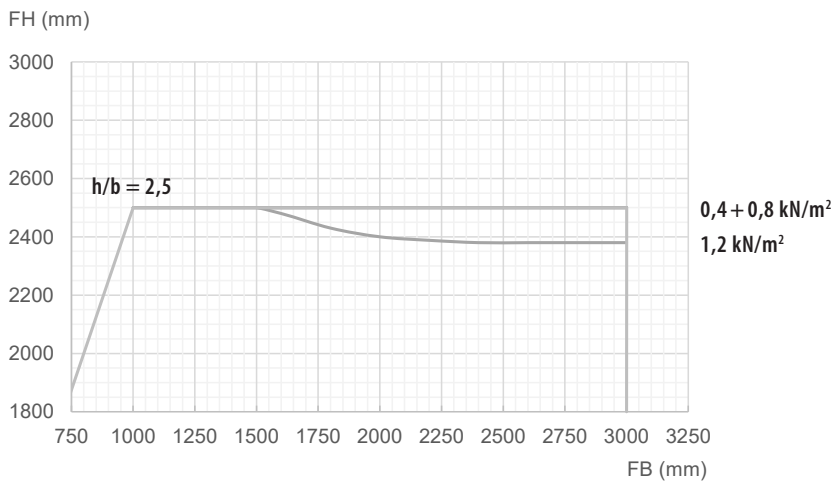
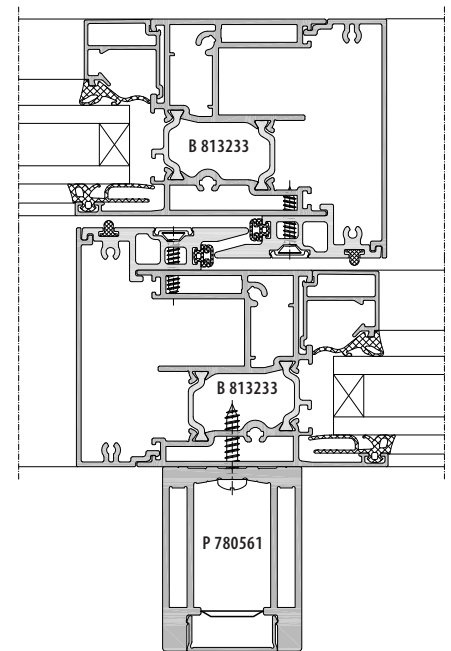
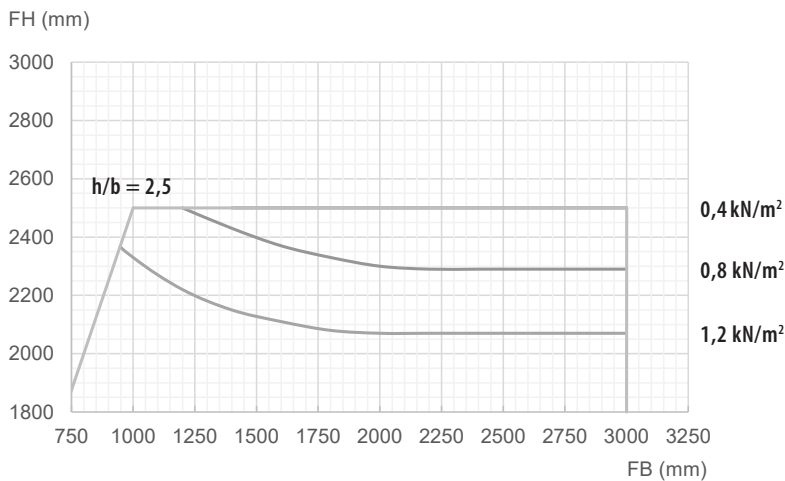
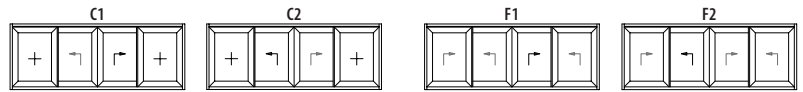
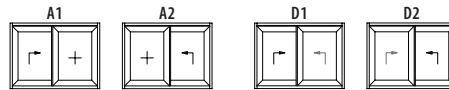


$h/b = 2,5 \triangleq$ Seitenverhältnis
 $0,4 \text{ kN/m}^2 / 0,8 \text{ kN/m}^2 / 1,2 \text{ kN/m}^2 \triangleq$ Windlast

$h/b = 2,5 \triangleq$ Width-to-height ratio
 $0,4 \text{ kN/m}^2 / 0,8 \text{ kN/m}^2 / 1,2 \text{ kN/m}^2 \triangleq$ Wind load

max. Flügelgewicht 250 kg
Durchbiegungsgrenze $l / 200$ max. 15 mm nach DIN 18008
ggf. abweichende Angaben der Isolierglashersteller beachten

max. Sash weight 250 kg
Deflection $l / 200$ max. 15 mm in accordance with DIN 18008
Please take note that the glass manufacturer may have different specifications



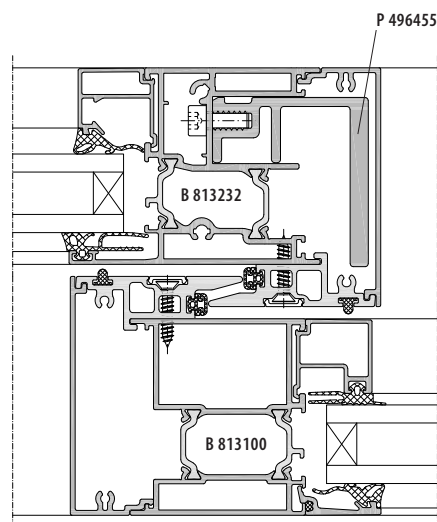
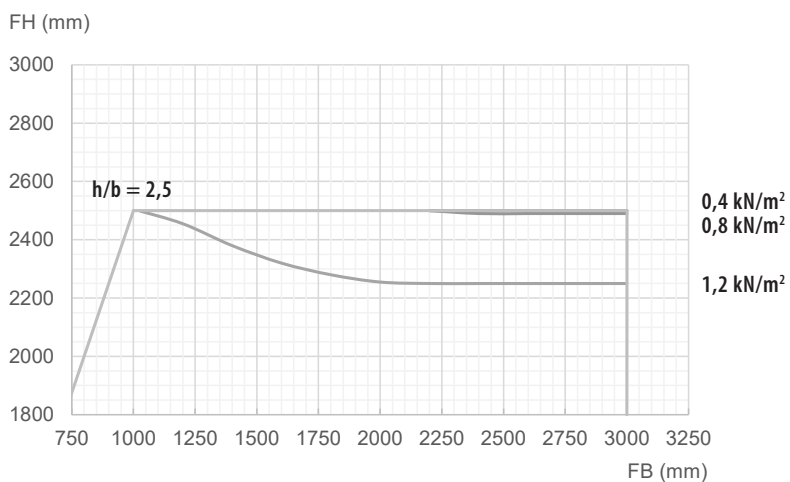
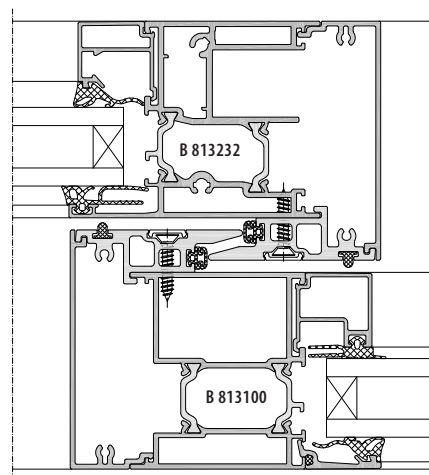
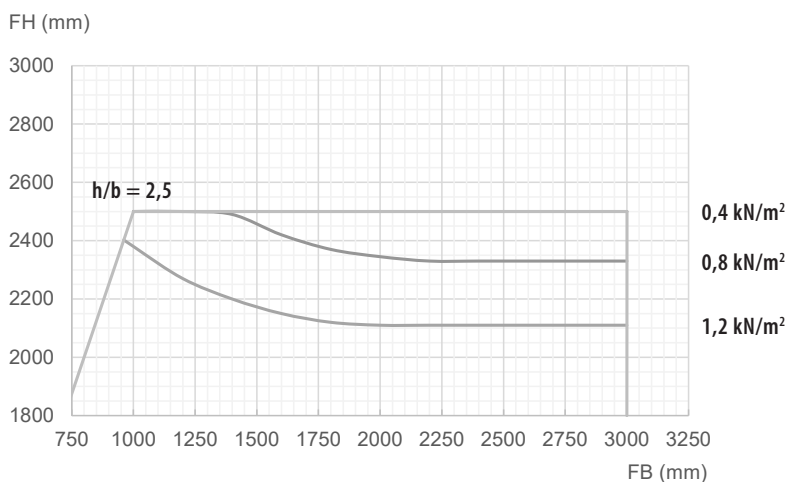
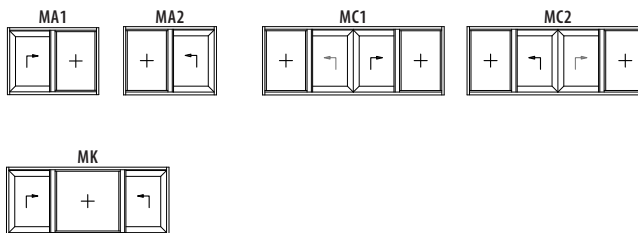
Flügelgröße / Sash size		
	Breite / Width	Höhe / Height
min.	720 mm	1800 mm
max.	3000 mm	2500 mm

i $h/b = 2,5 \triangleq$ Seitenverhältnis
0,4 kN/m² / 0,8 kN/m² / 1,2 kN/m² \triangleq Windlast

$h/b = 2,5 \triangleq$ Width-to-height ratio
0,4 kN/m² / 0,8 kN/m² / 1,2 kN/m² \triangleq Wind load

max. Flügelgewicht 250 kg
Durchbiegungsgrenze $l / 200$ max. 15 mm nach DIN 18008
ggf. abweichende Angaben der Isolierglashersteller beachten

max. Sash weight 250 kg
Deflection $l / 200$ max. 15 mm in accordance with DIN 18008
Please take note that the glass manufacturer may have different specifications



Flügelgröße / Sash size

	Breite / Width	Höhe / Height
min.	720 mm	1800 mm
max.	3000 mm	2500 mm

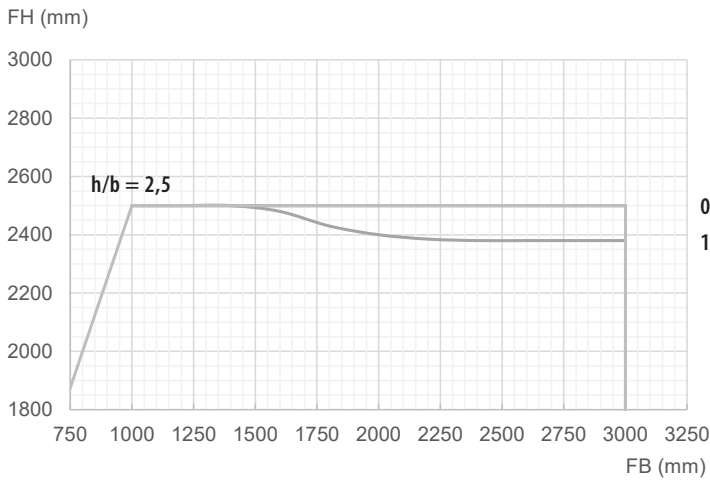
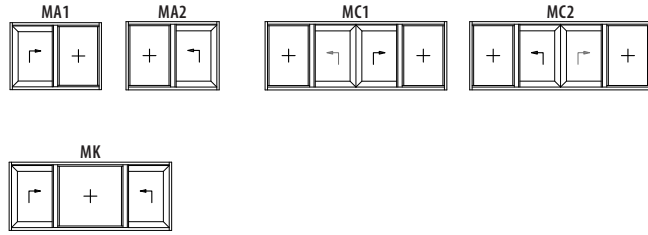


$h/b = 2,5 \triangleq$ Seitenverhältnis
0,4 kN/m² / 0,8 kN/m² / 1,2 kN/m² \triangleq Windlast

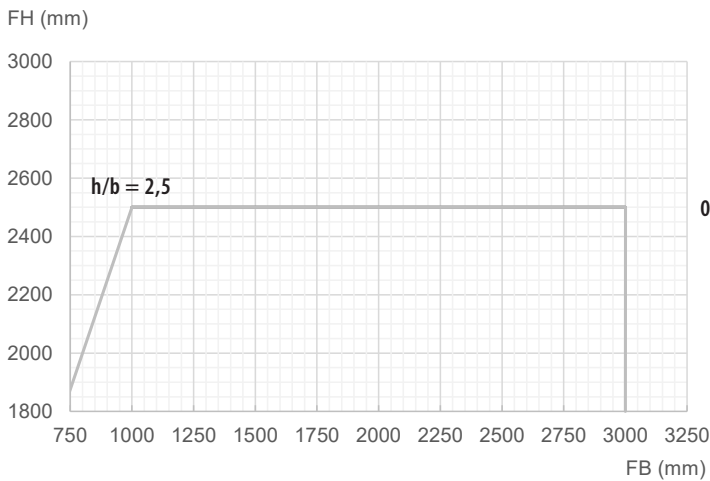
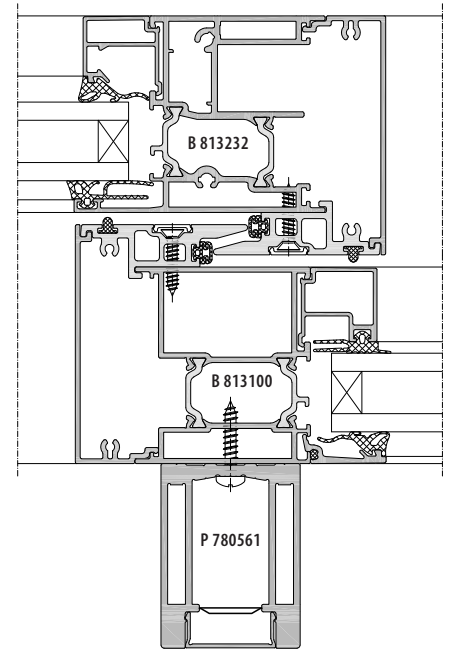
$h/b = 2,5 \triangleq$ Width-to-height ratio
0,4 kN/m² / 0,8 kN/m² / 1,2 kN/m² \triangleq Wind load

max. Flügelgewicht 250 kg
Durchbiegungsgrenze $l / 200$ max. 15 mm nach DIN 18008
ggf. abweichende Angaben der Isolierglashersteller beachten

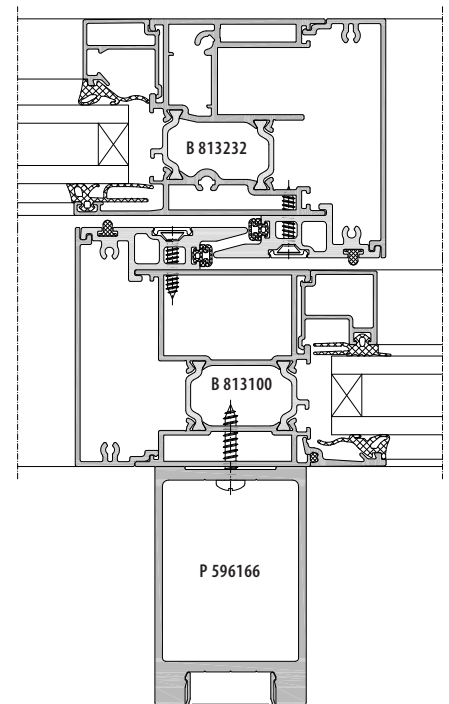
max. Sash weight 250 kg
Deflection $l / 200$ max. 15 mm in accordance with DIN 18008
Please take note that the glass manufacturer may have different specifications



$0,4 + 0,8 \text{ kN/m}^2$
 $1,2 \text{ kN/m}^2$



$0,4 + 0,8 + 1,2 \text{ kN/m}^2$



Flügelgröße / Sash size		
	Breite / Width	Höhe / Height
min.	720 mm	1800 mm
max.	3000 mm	2500 mm

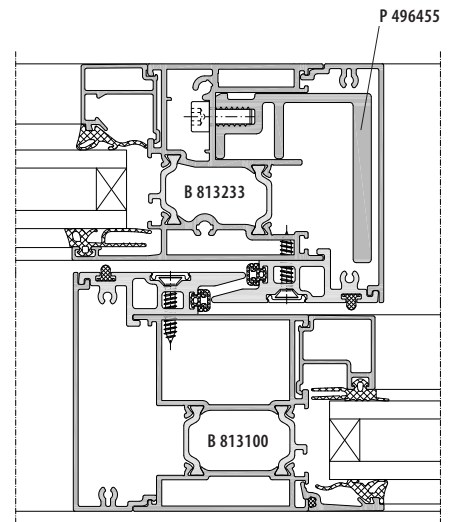
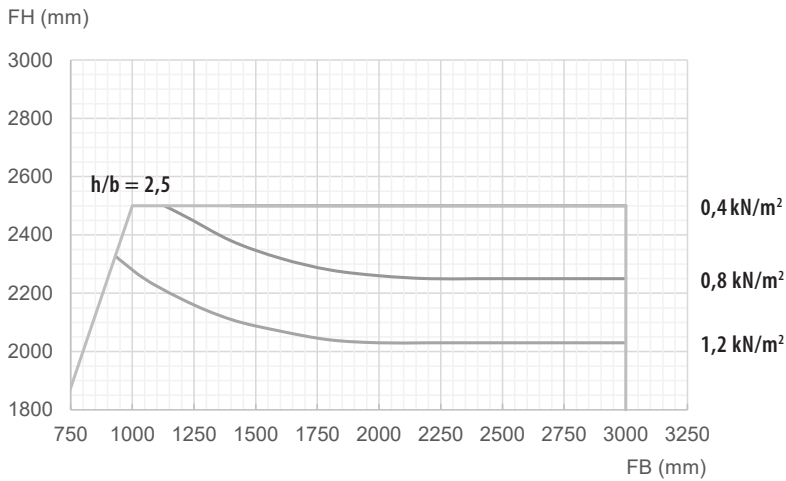
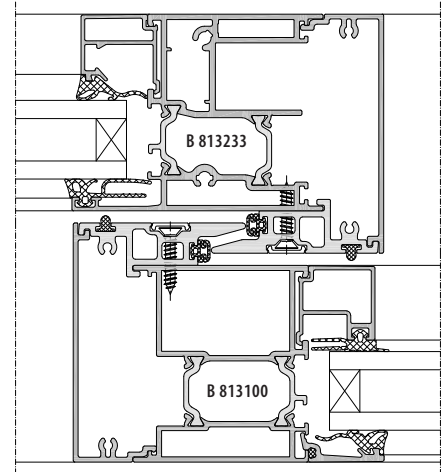
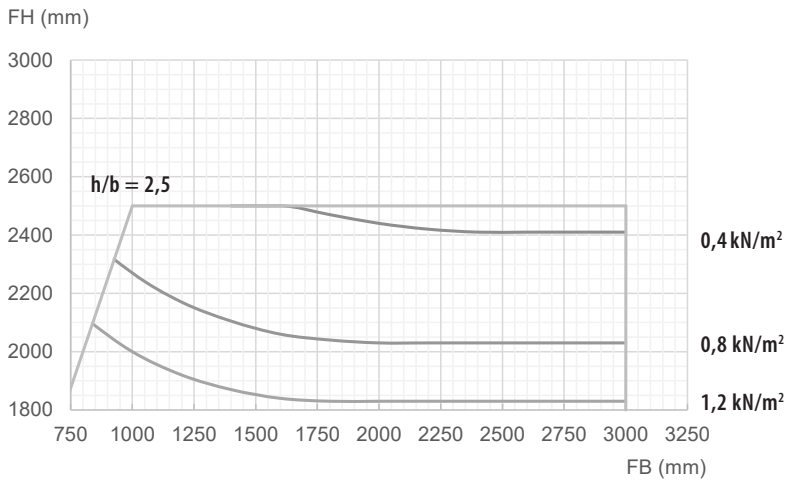
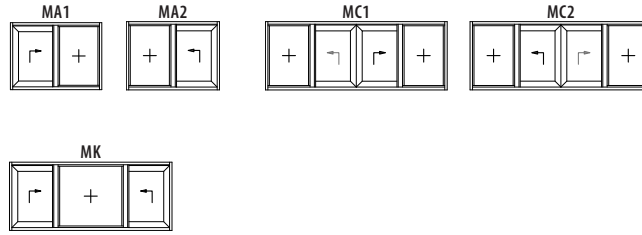


$h/b = 2,5 \triangleq$ Seitenverhältnis
 $0,4 \text{ kN/m}^2 / 0,8 \text{ kN/m}^2 / 1,2 \text{ kN/m}^2 \triangleq$ Windlast

$h/b = 2,5 \triangleq$ Width-to-height ratio
 $0,4 \text{ kN/m}^2 / 0,8 \text{ kN/m}^2 / 1,2 \text{ kN/m}^2 \triangleq$ Wind load

max. Flügelgewicht 250 kg
Durchbiegungsgrenze $l / 200$ max. 15 mm nach DIN 18008
ggf. abweichende Angaben der Isolierglashersteller beachten

max. Sash weight 250 kg
Deflection $l / 200$ max. 15 mm in accordance with DIN 18008
Please take note that the glass manufacturer may have different specifications



Flügelgröße / Sash size

	Breite / Width	Höhe / Height
min.	720 mm	1800 mm
max.	3000 mm	2500 mm

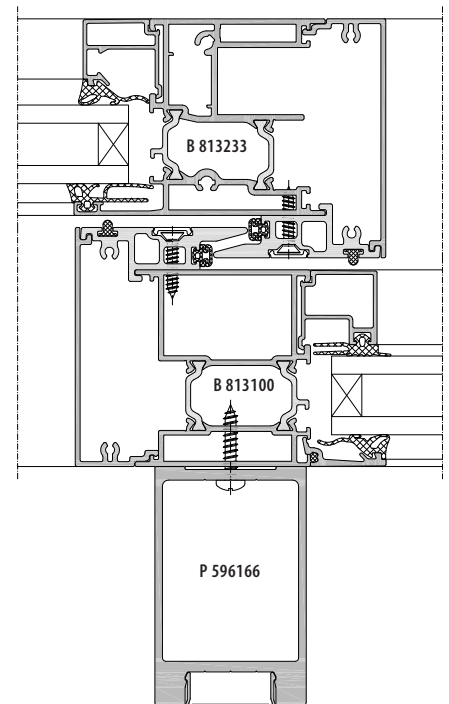
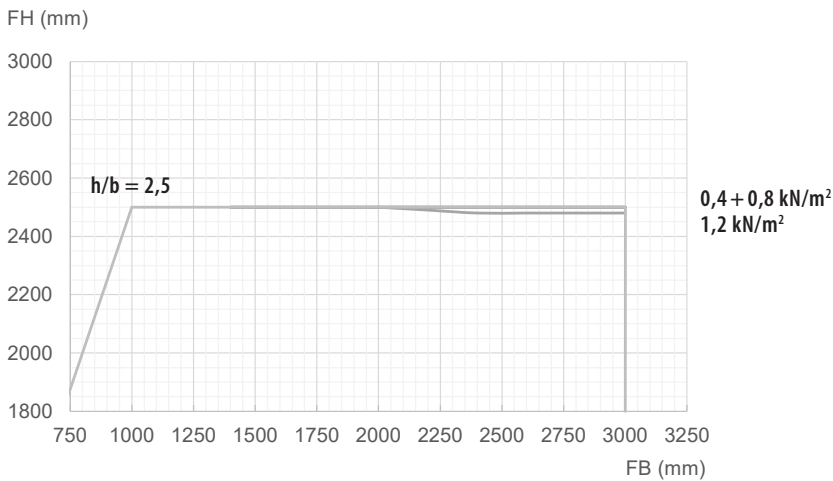
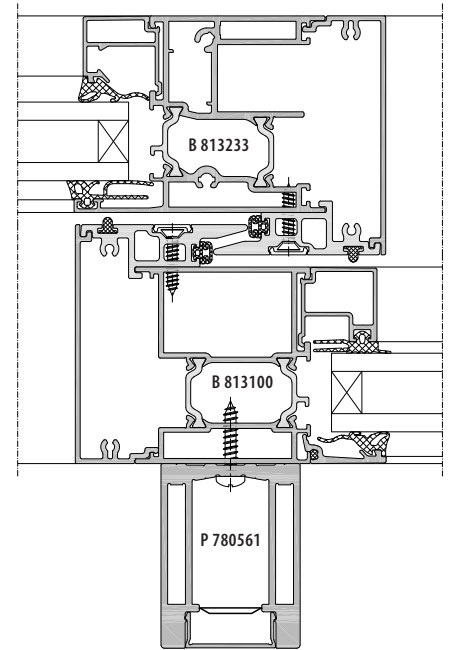
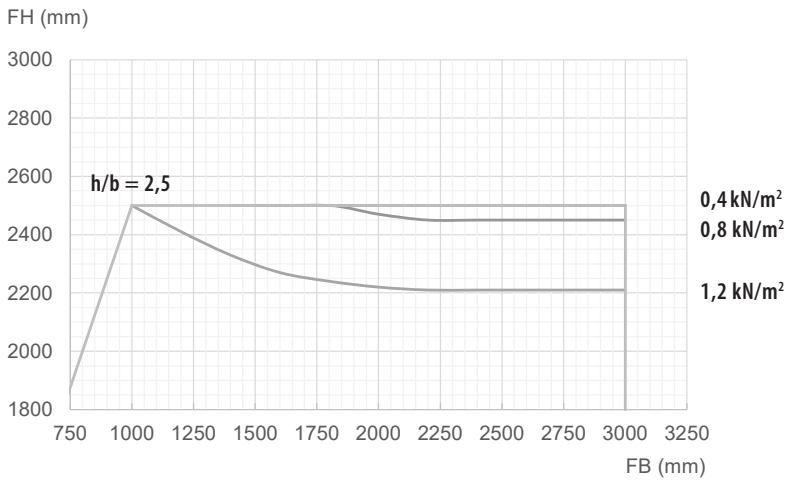
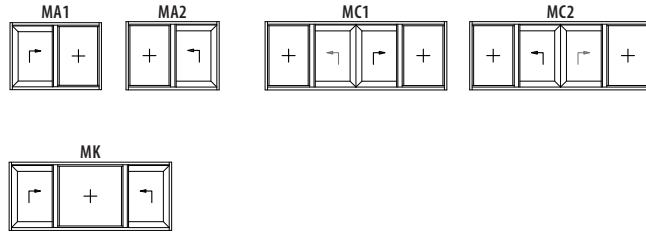


$h/b = 2,5 \triangleq$ Seitenverhältnis
 $0,4 \text{ kN/m}^2 / 0,8 \text{ kN/m}^2 / 1,2 \text{ kN/m}^2 \triangleq$ Windlast

$h/b = 2,5 \triangleq$ Width-to-height ratio
 $0,4 \text{ kN/m}^2 / 0,8 \text{ kN/m}^2 / 1,2 \text{ kN/m}^2 \triangleq$ Wind load

max. Flügelgewicht 250 kg
Durchbiegungsgrenze $l / 200$ max. 15 mm nach DIN 18008
ggf. abweichende Angaben der Isolierglashersteller beachten

max. Sash weight 250 kg
Deflection $l / 200$ max. 15 mm in accordance with DIN 18008
Please take note that the glass manufacturer may have different specifications



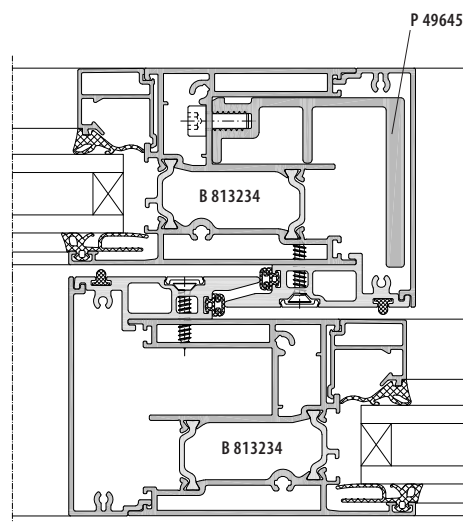
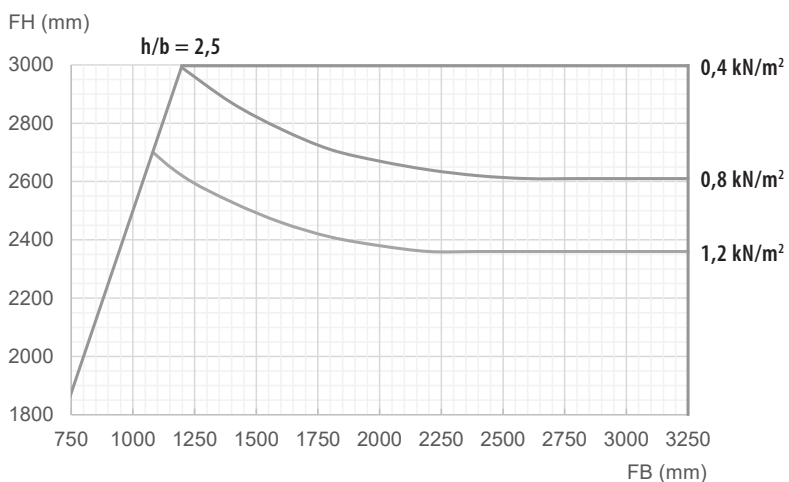
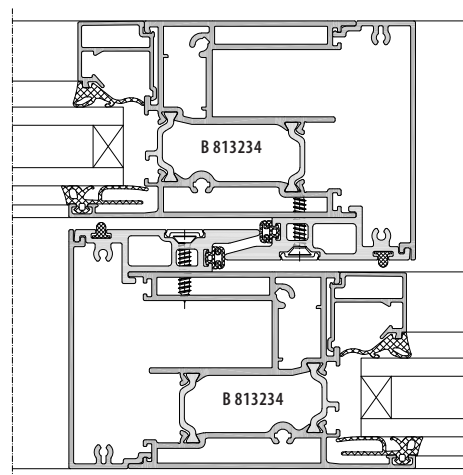
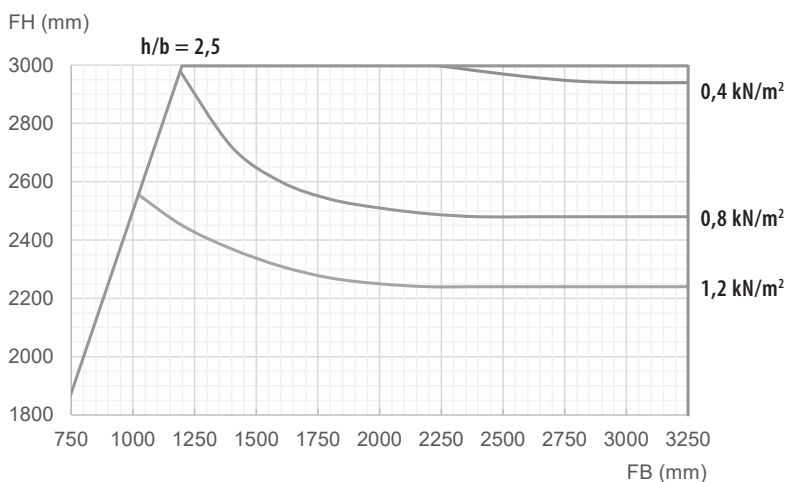
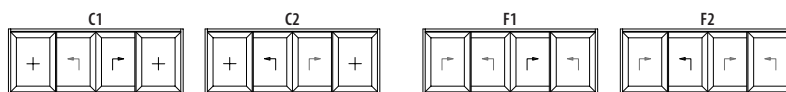
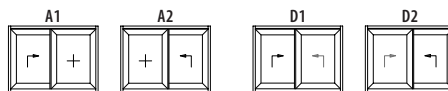
Flügelgröße / Sash size		
	Breite / Width	Höhe / Height
min.	720 mm	1800 mm
max.	3000 mm	2500 mm

i $h/b = 2,5 \triangleq$ Seitenverhältnis
0,4 kN/m² / 0,8 kN/m² / 1,2 kN/m² \triangleq Windlast

$h/b = 2,5 \triangleq$ Width-to-height ratio
0,4 kN/m² / 0,8 kN/m² / 1,2 kN/m² \triangleq Wind load

max. Flügelgewicht 330 kg / 440 kg
Durchbiegungsgrenze $l / 200$ max. 15 mm nach DIN 18008
ggf. abweichende Angaben der Isolierglashersteller beachten

max. Sash weight 330 kg / 440 kg
Deflection $l / 200$ max. 15 mm in accordance with DIN 18008
Please take note that the glass manufacturer may have different specifications



Flügelgröße / Sash size

	Breite / Width	Höhe / Height
min.	720 mm	1800 mm
max.	3250 mm	3000 mm

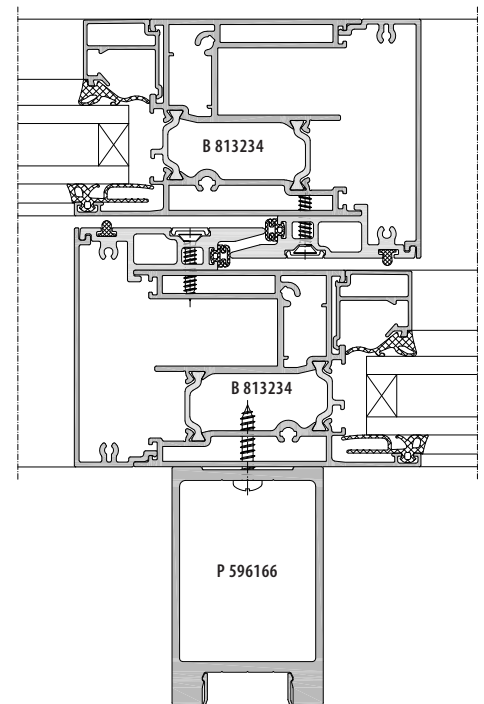
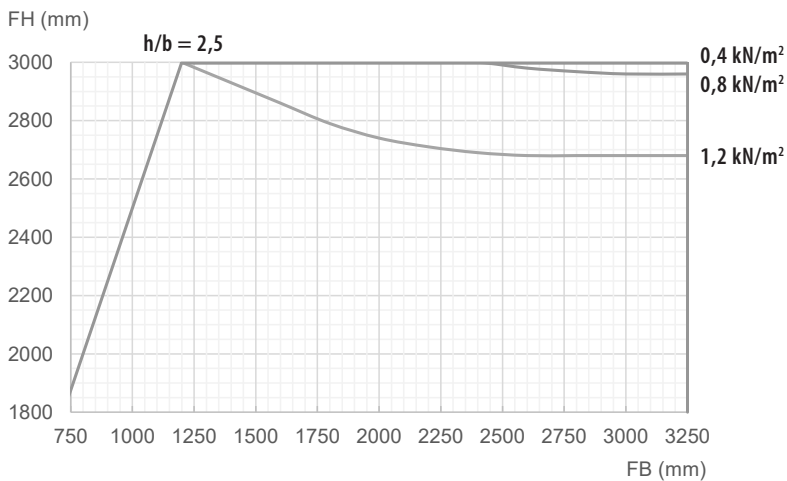
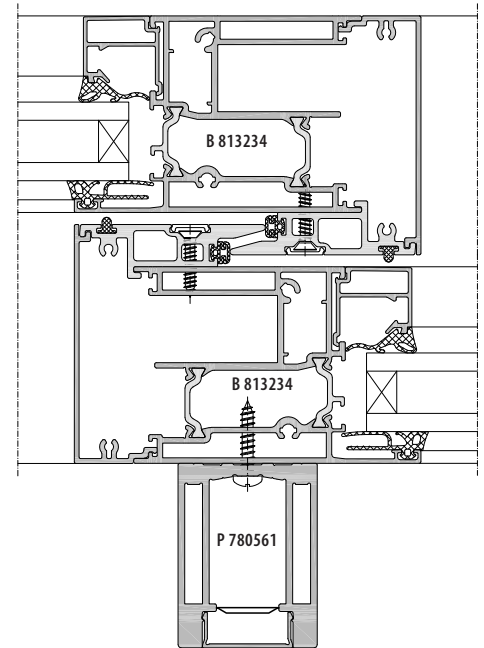
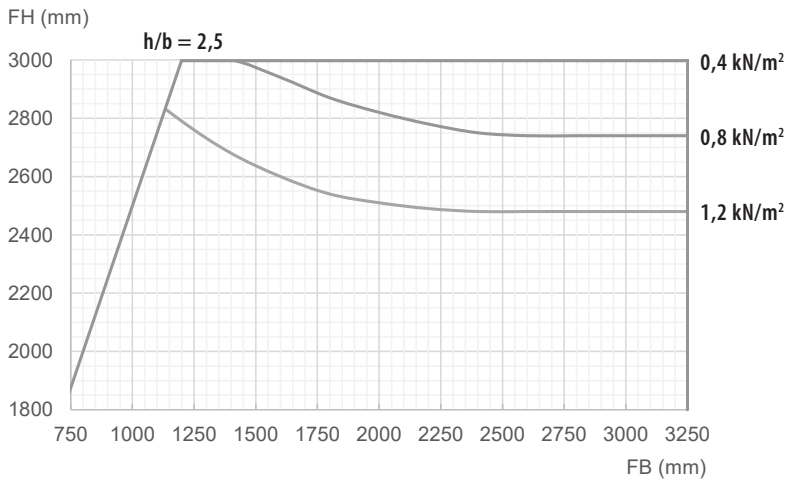
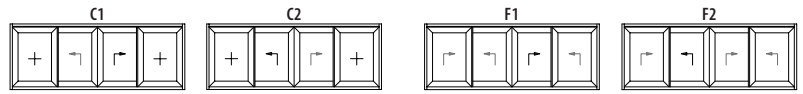
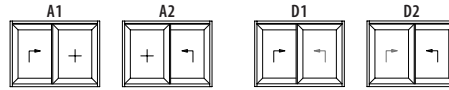


$h/b = 2,5 \triangleq$ Seitenverhältnis
0,4 kN/m² / 0,8 kN/m² / 1,2 kN/m² \triangleq Windlast

$h/b = 2,5 \triangleq$ Width-to-height ratio
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max. Flügelgewicht 330 kg / 440 kg
Durchbiegungsgrenze $l / 200$ max. 15 mm nach DIN 18008
ggf. abweichende Angaben der Isolierglashersteller beachten

max. Sash weight 330 kg / 440 kg
Deflection $l / 200$ max. 15 mm in accordance with DIN 18008
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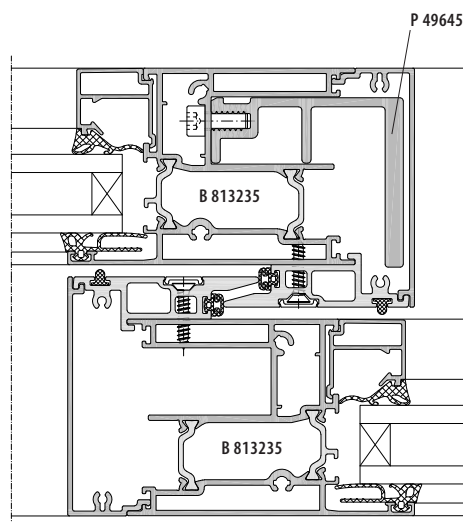
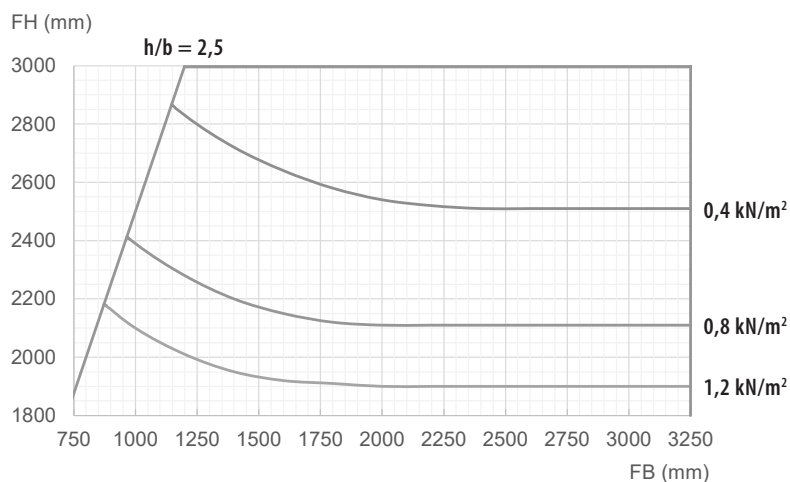
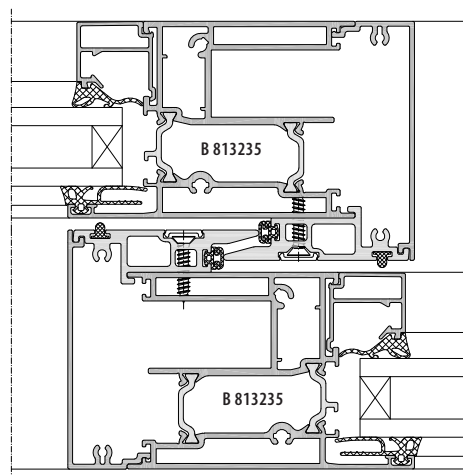
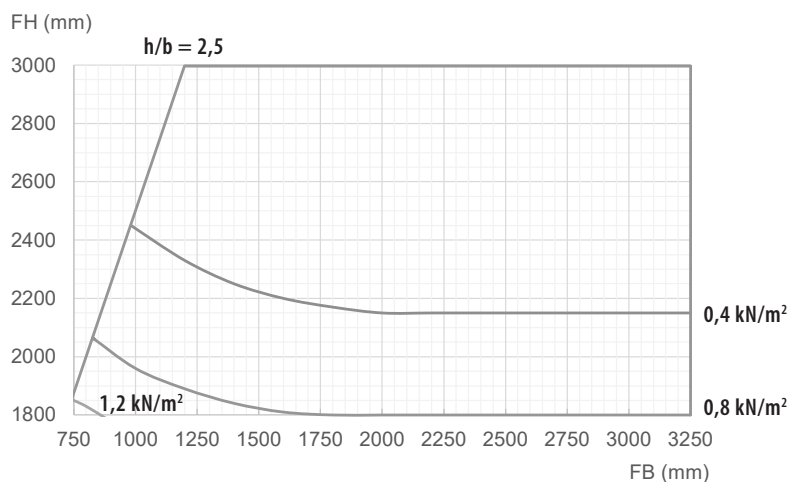
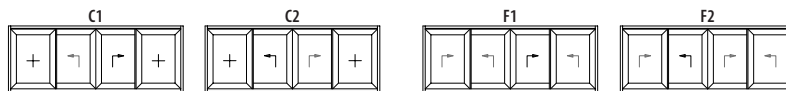
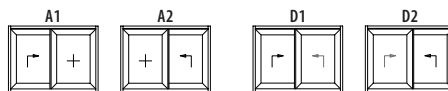
Flügelgröße / Sash size		
	Breite / Width	Höhe / Height
min.	720 mm	1800 mm
max.	3250 mm	3000 mm

i $h/b = 2,5 \triangleq$ Seitenverhältnis
 $0,4 \text{ kN/m}^2 / 0,8 \text{ kN/m}^2 / 1,2 \text{ kN/m}^2 \triangleq$ Windlast

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	Breite / Width	Höhe / Height
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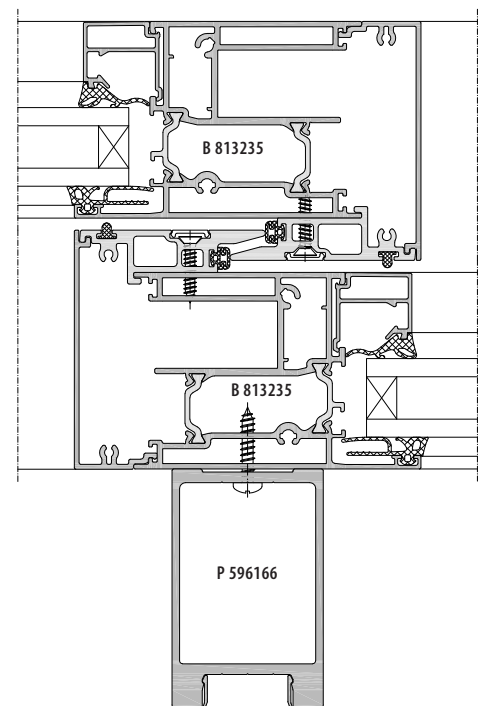
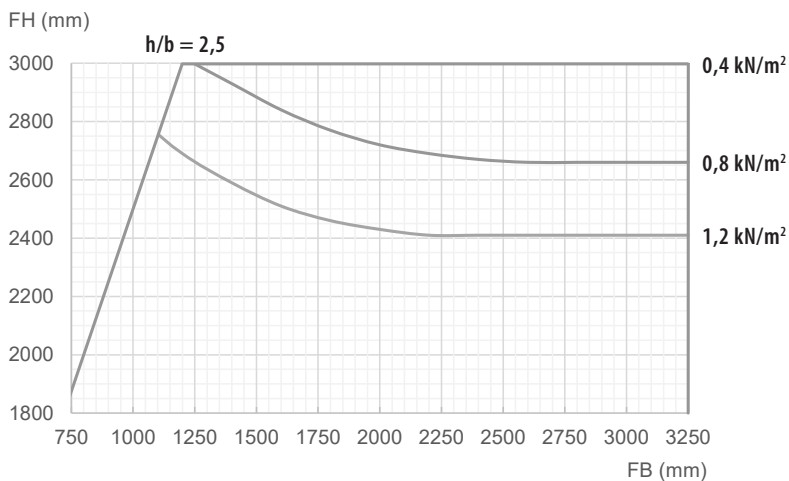
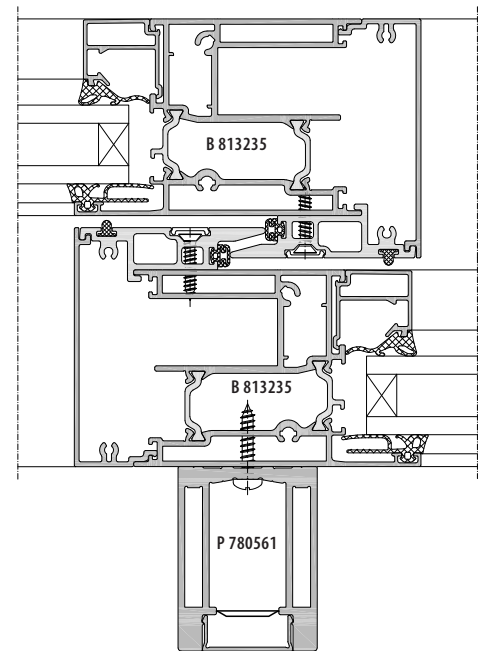
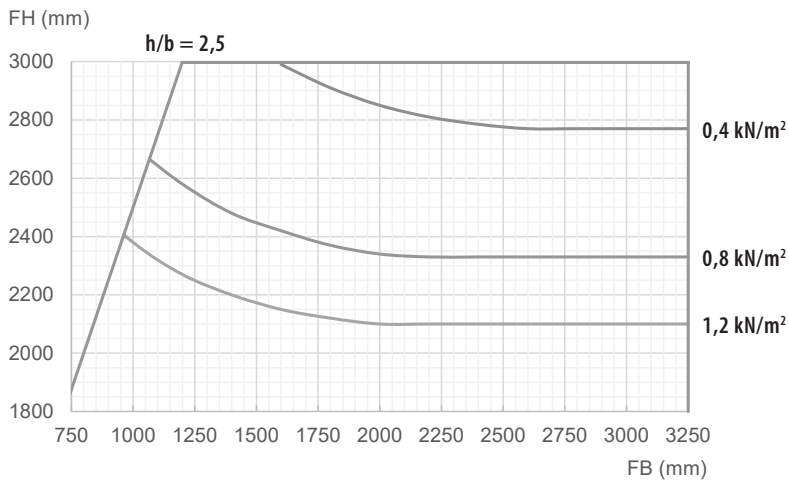
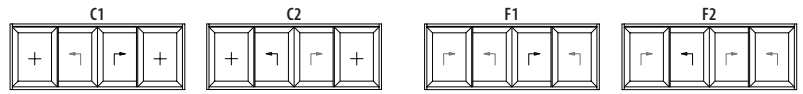
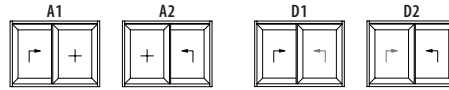


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$h/b = 2,5 \triangleq$ Width-to-height ratio
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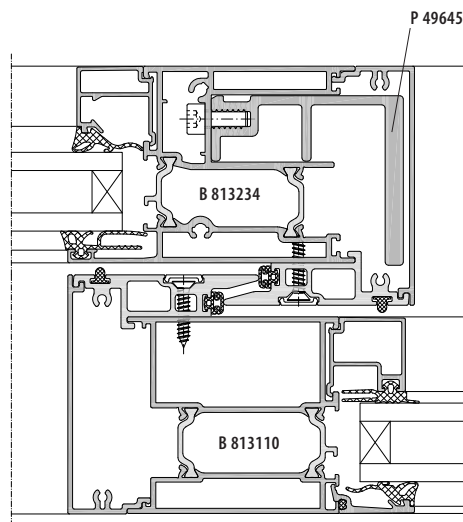
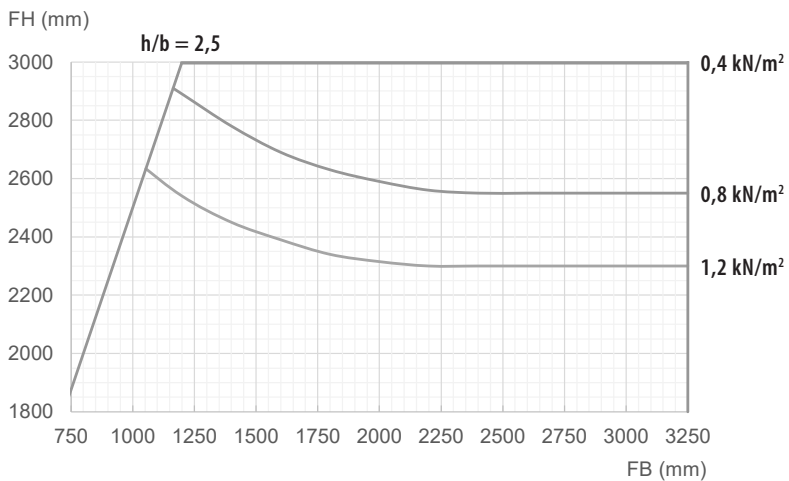
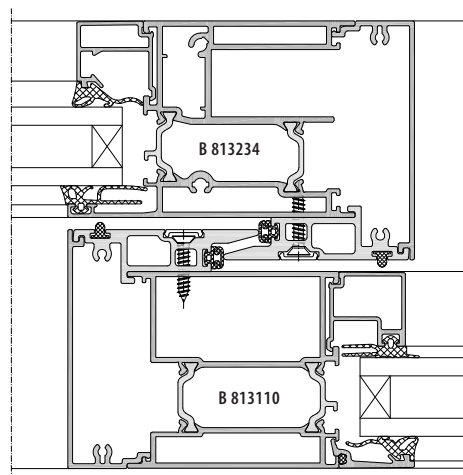
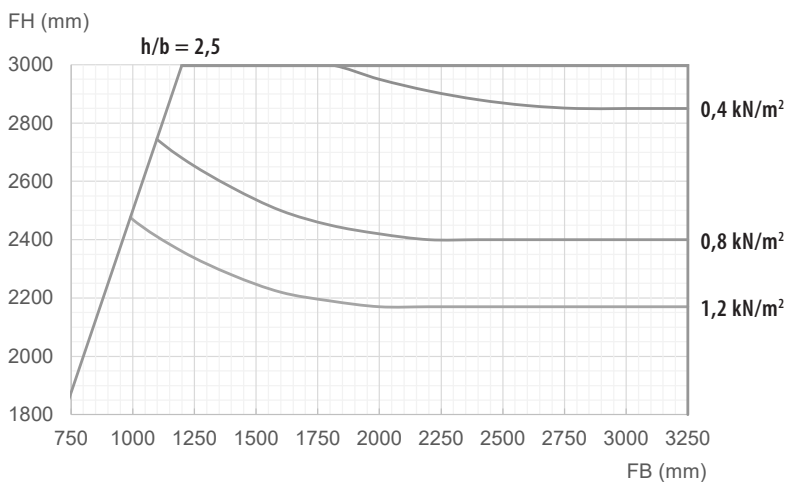
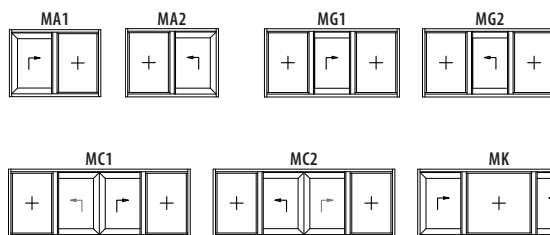
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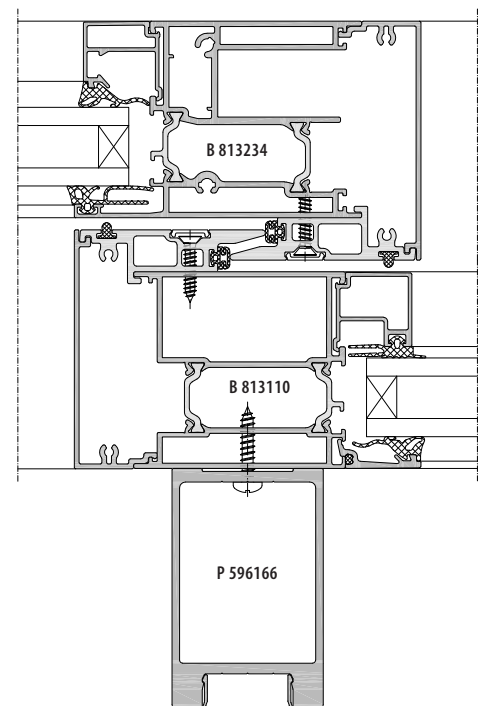
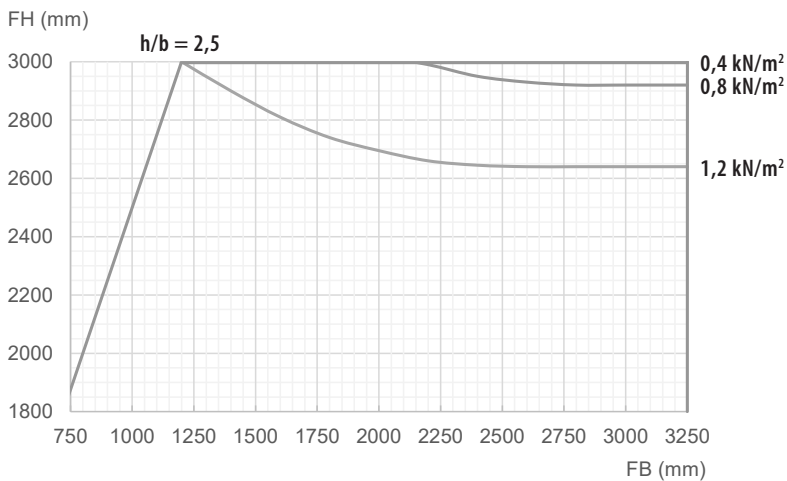
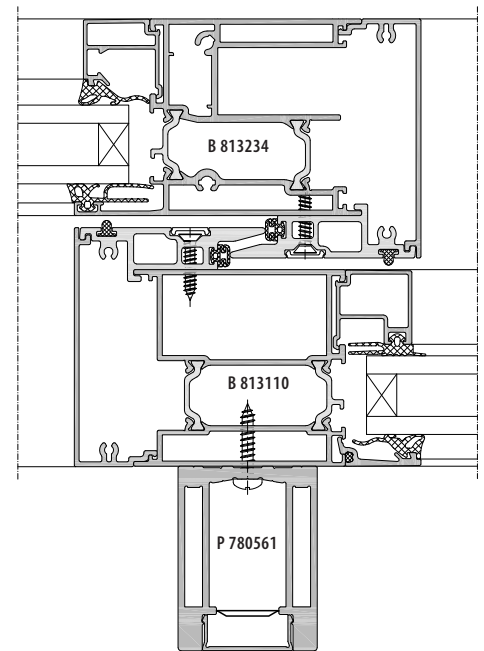
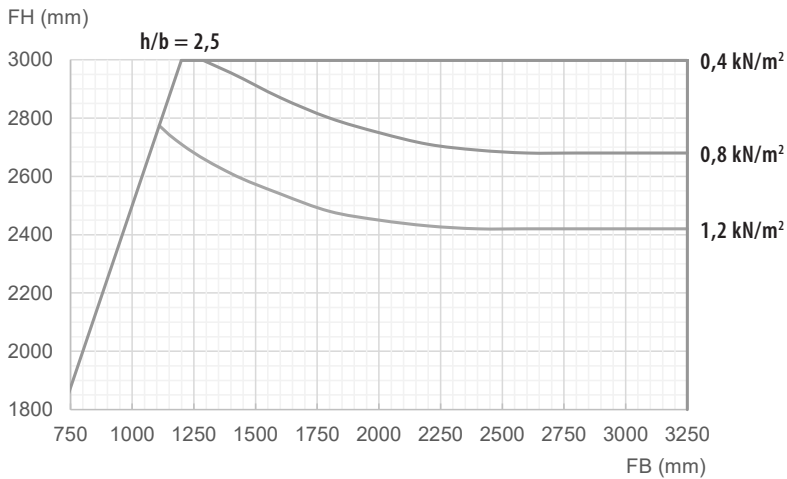
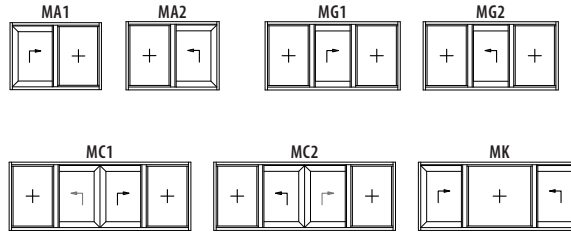


$h/b = 2,5 \triangleq$ Seitenverhältnis
0,4 kN/m² / 0,8 kN/m² / 1,2 kN/m² \triangleq Windlast

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Flügelgröße / Sash size

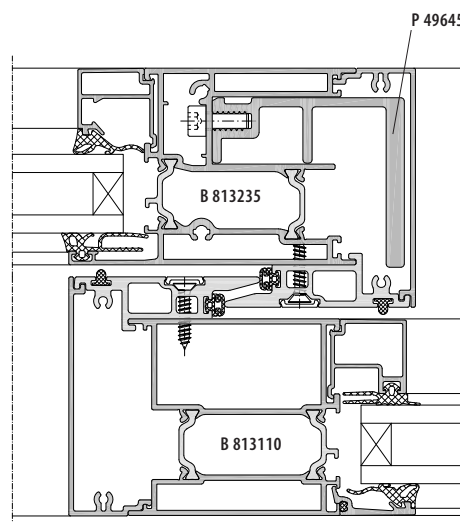
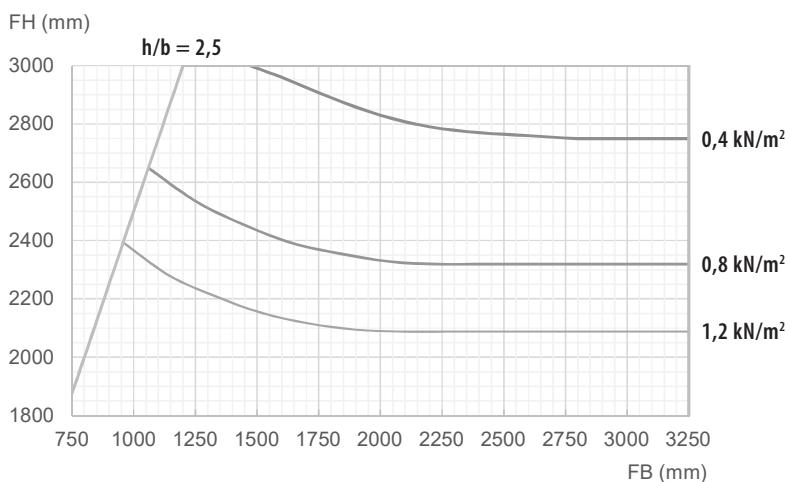
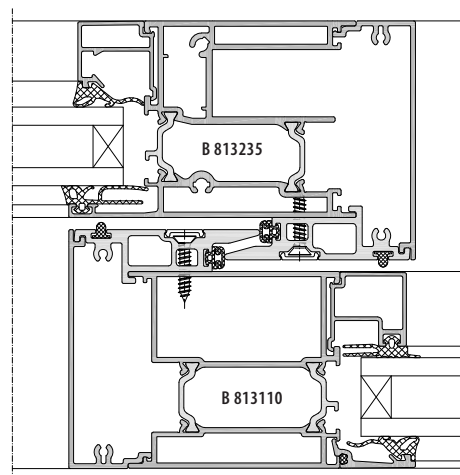
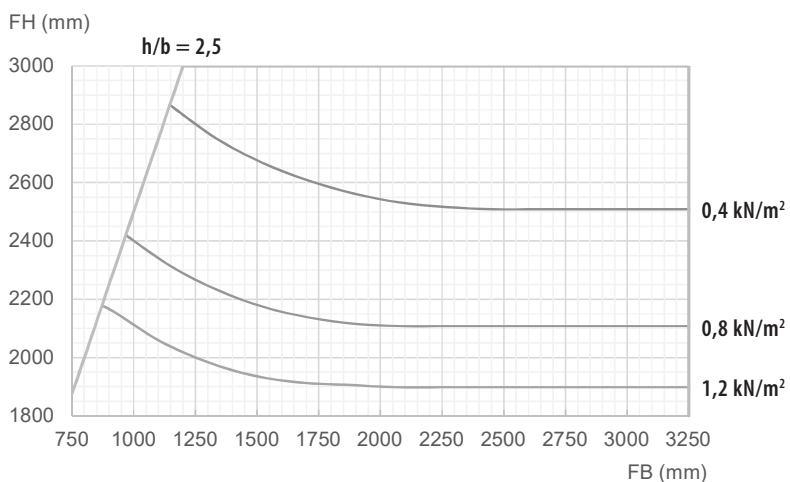
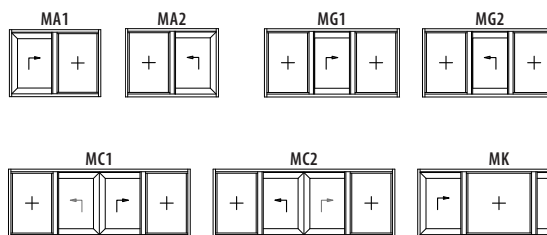
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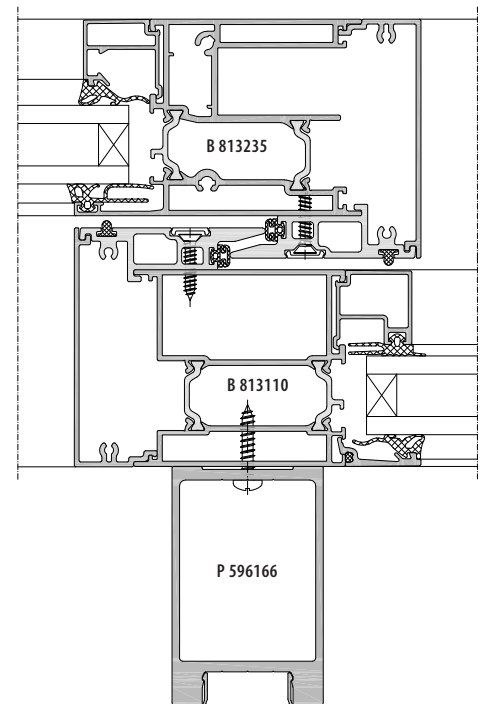
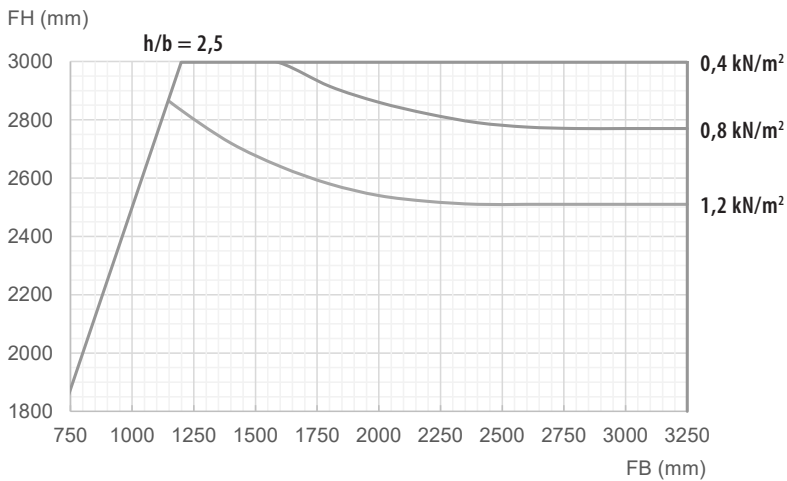
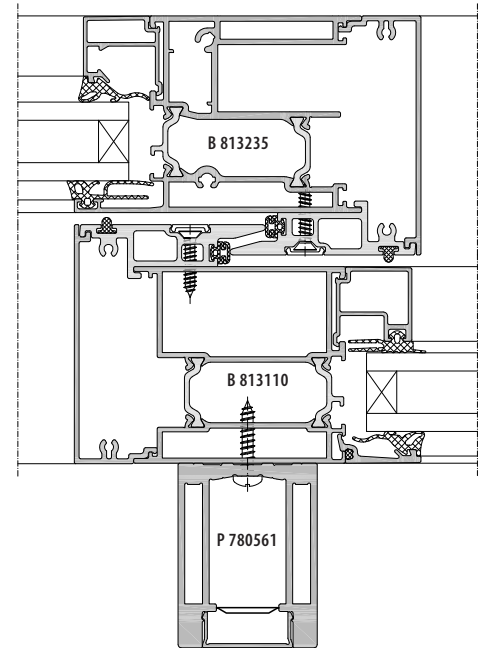
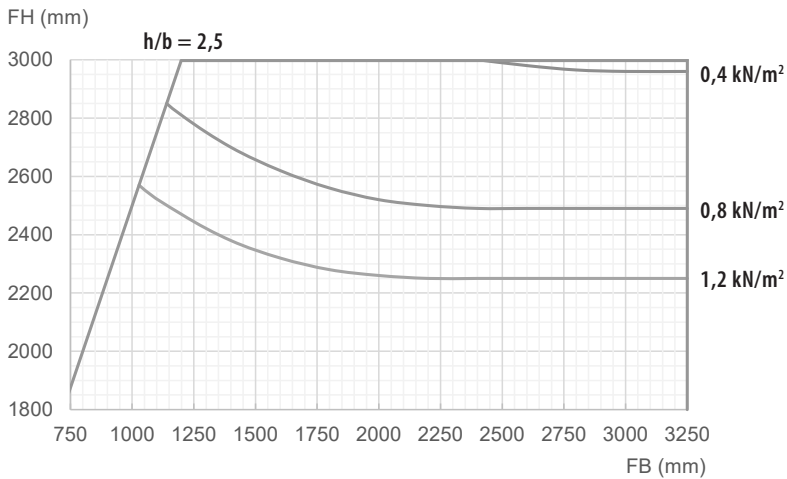
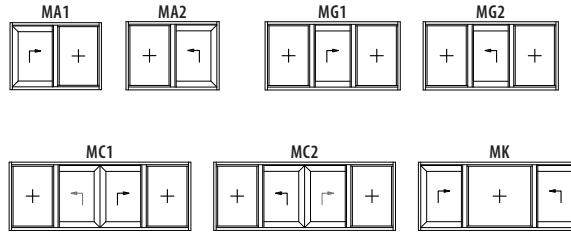


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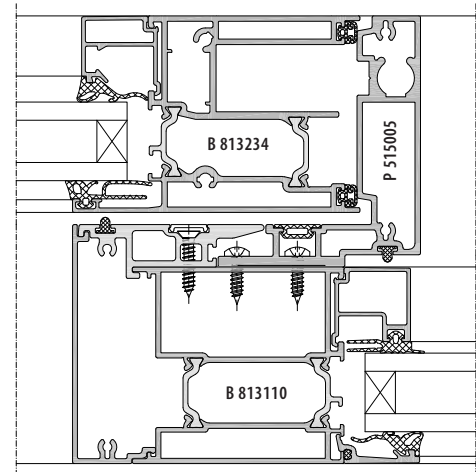
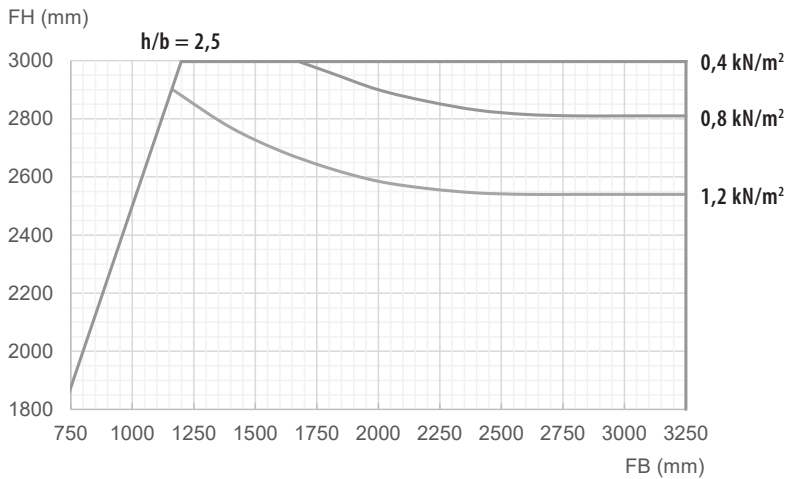
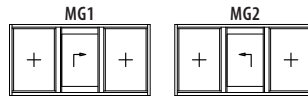


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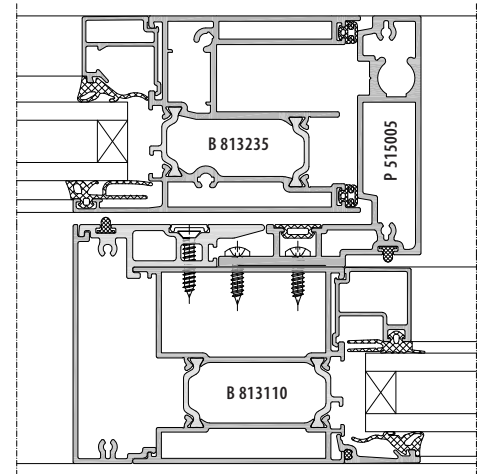
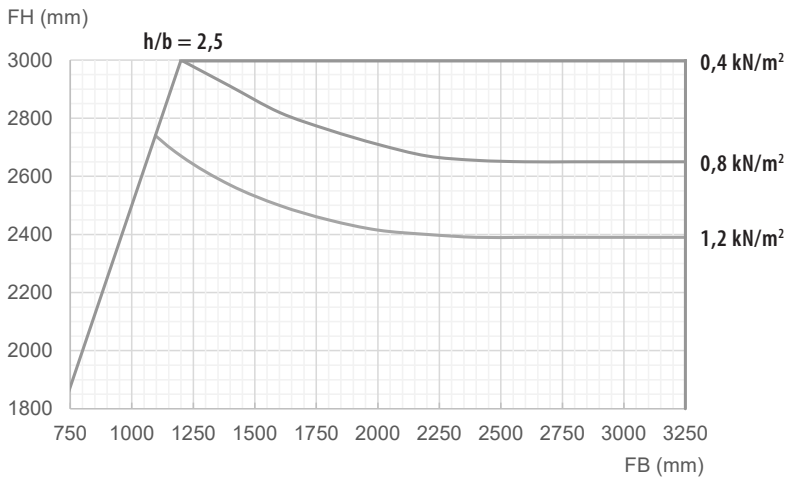
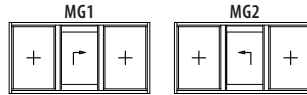


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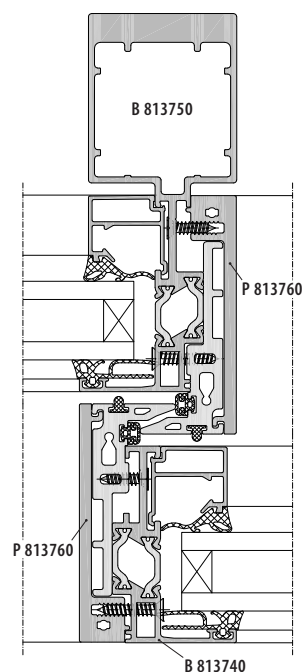
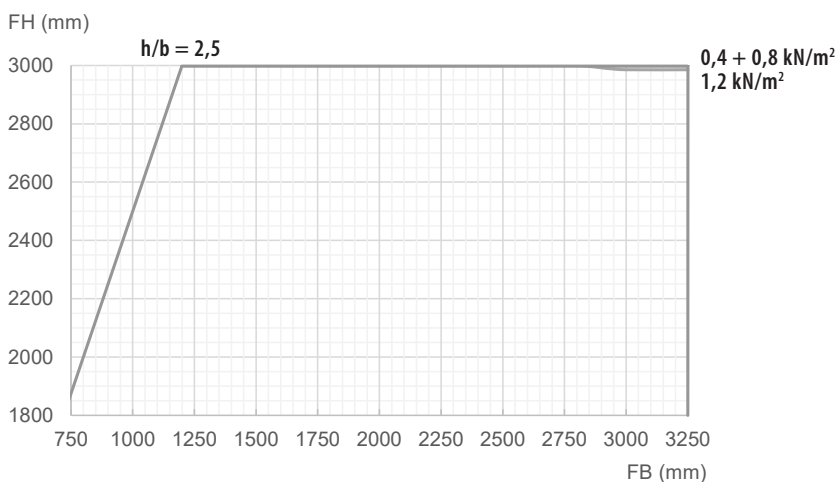
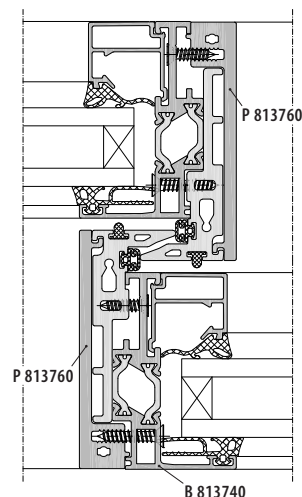
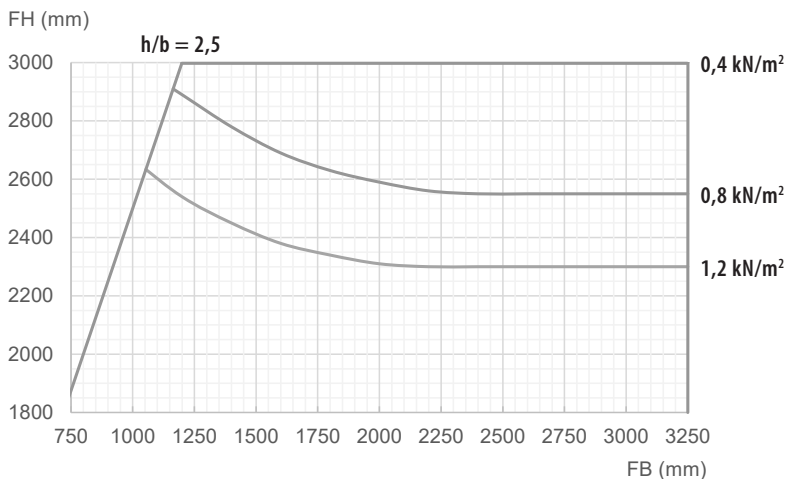
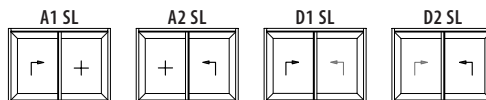
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SCHMALES LABYRINTH
NARROW LABYRINTH

STATIK
STATICS

max. Flügelgewicht 250 kg • B 813232/233
max. Flügelgewicht 330 kg / 440 kg • B 813234/235
Durchbiegungsgrenze l / 200 max. 15 mm nach DIN 18008
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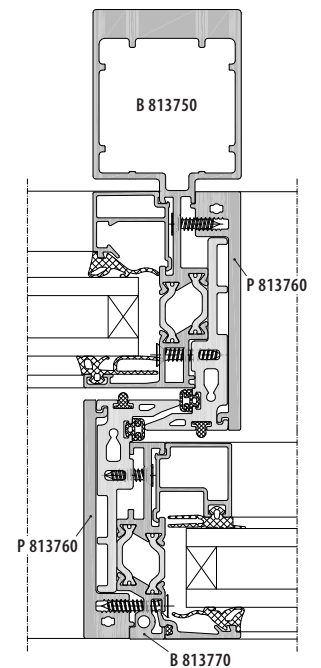
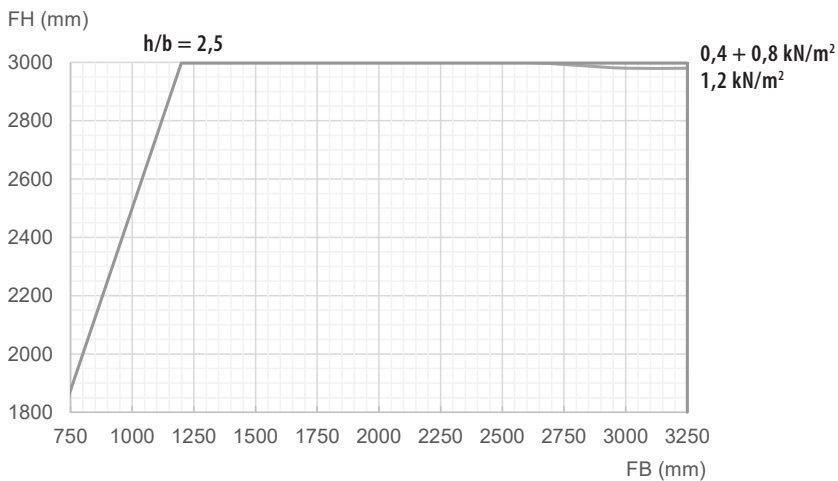
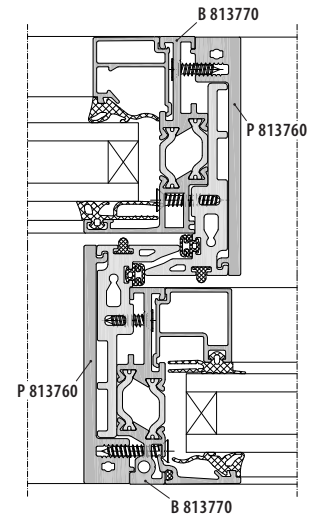
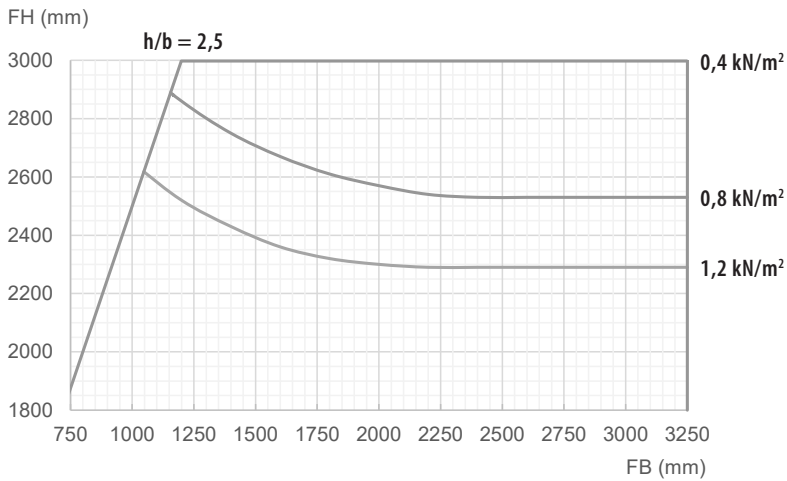
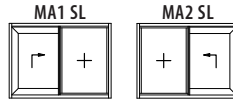


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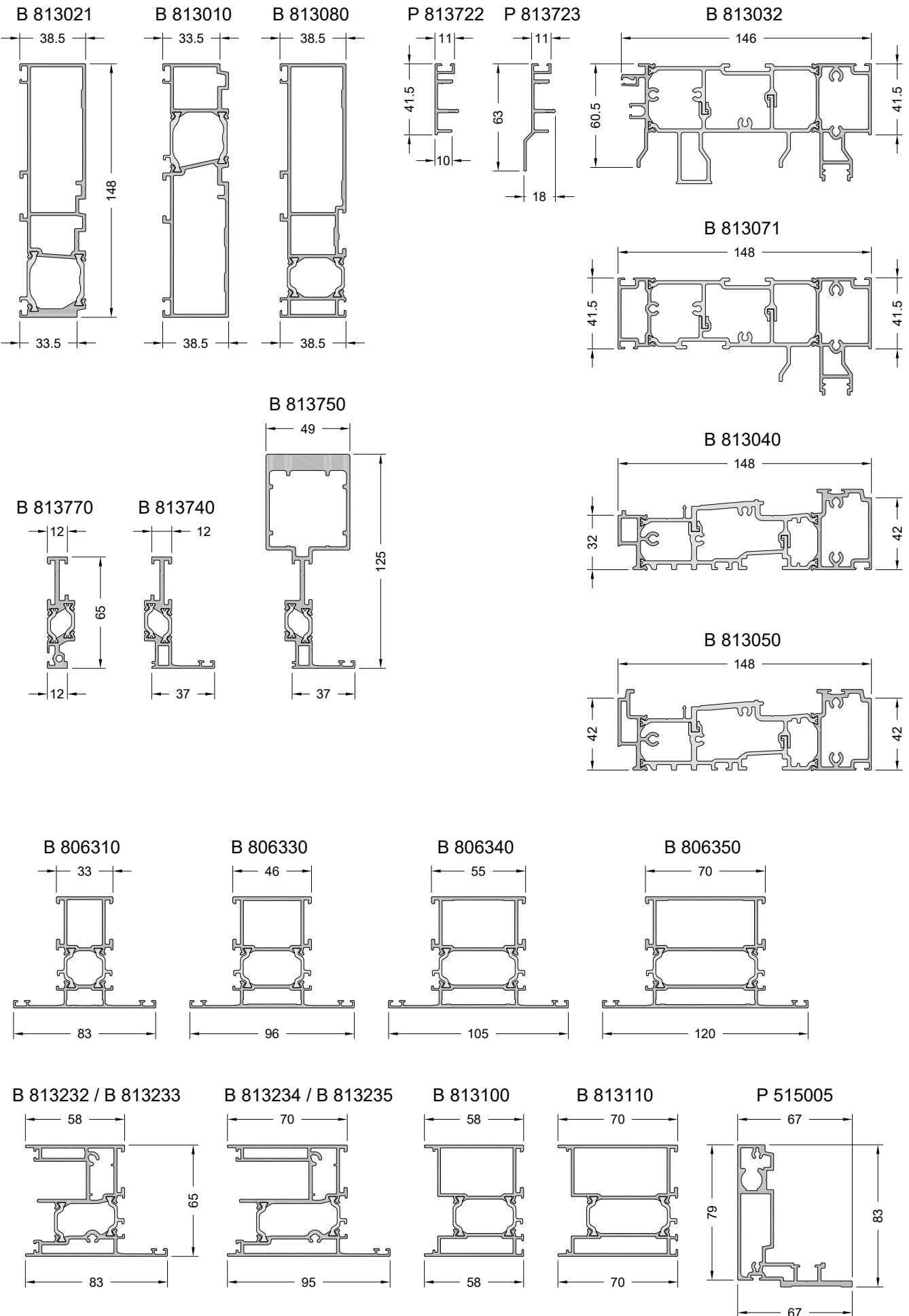
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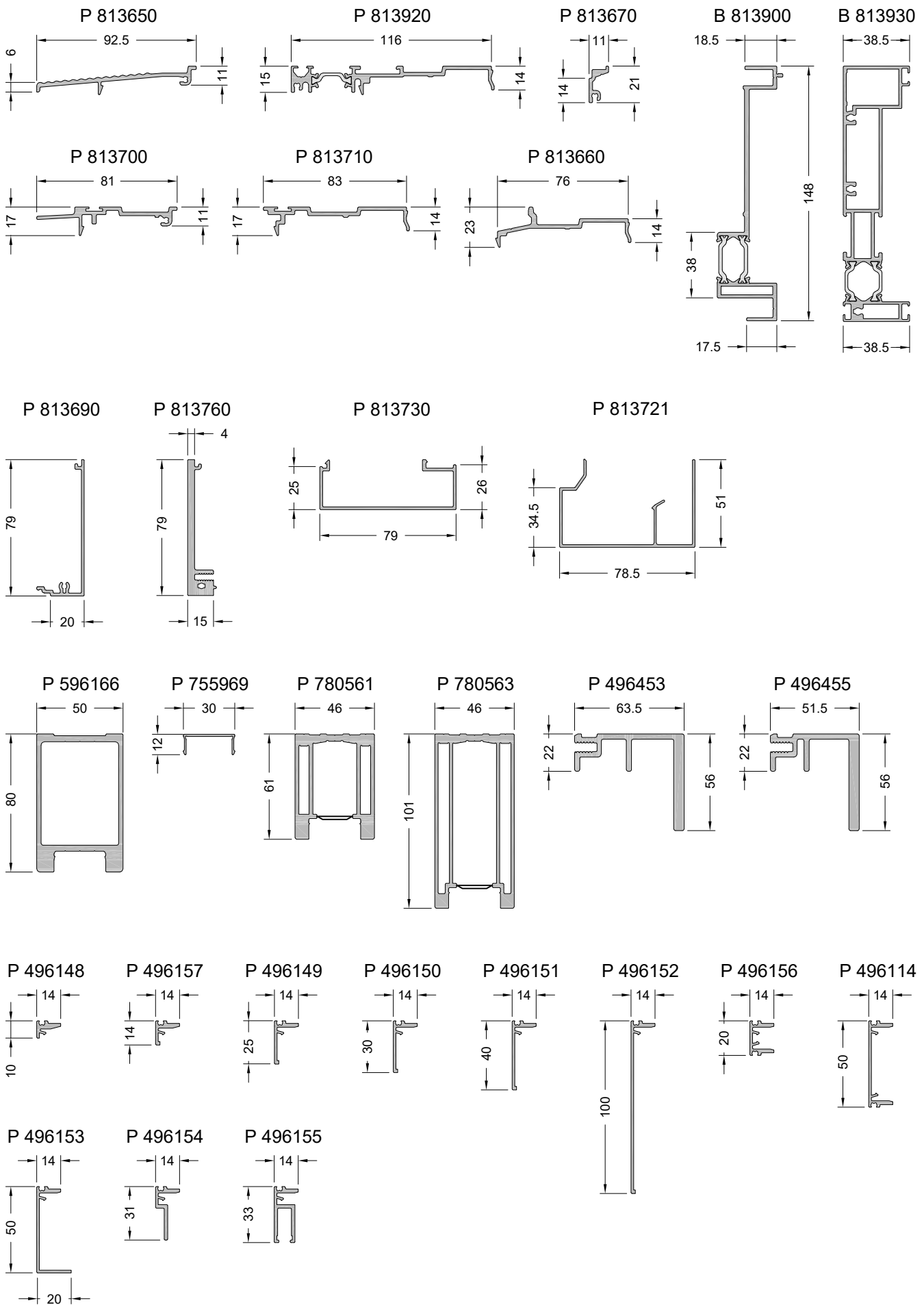


Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		$I_{x\text{eff}}(\text{cm}^4)$ effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category W					$I_y(\text{cm}^4)$ $I_y(\text{cm}^4)$	Seite Page
				umfld. total	mech. mech.	abhängig der Spannweite / depending on distance between supports L (cm)						
						L < 200	L ≥ 200	L > 250	L > 300	L > 400		
Maßstab / Scale 1:5												
BLENDRAHMEN / FIXED FRAMES												
	Blendrahmen seitlich 148/38.5/33.5 Fixed frame lateral 148/38.5/33.5	B 813021	6500	406	224	158	171	179	184	189	--	A2-11
	Blendrahmen seitlich 148/33.5/38.5 Fixed frame lateral 148/33.5/38.5	B 813010	6500	416	224	128	145	156	163	172	--	A2-11
	Blendrahmen seitlich 148/38.5/38.5 Fixed frame lateral 148/38.5/38.5	B 813080	6500	457	166	145	158	167	173	180	--	A2-12
	Blendrahmen oben 146/41.5/60.5 Fixed frame top 146/41.5/60.5	B 813032	6500	638	195	--	--	--	--	--	--	A2-12
	Blendrahmen oben 148/41.5/41.5 Fixed frame top 148/41.5/41.5	B 813071	6500	625	256	--	--	--	--	--	--	A2-13

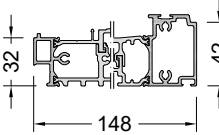
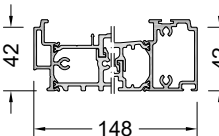
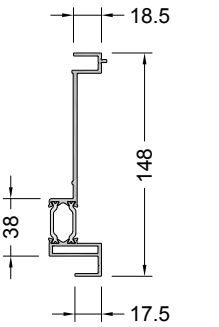
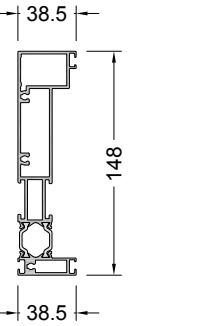
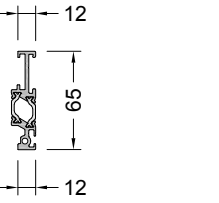
Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		$I_{x,ef}(cm^4)$ effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category W					$I_y(cm^4)$ $I_y(cm^4)$	Seite Page
				umfld. total	mech. mech.	abhängig der Spannweite / depending on distance between supports L (cm)						
						L < 200	L ≥ 200	L > 250	L > 300	L > 400		
BLENDRAHMEN / FIXED FRAMES												
	Blendrahmen unten 148/42/32 Fixed frame bottom 148/42/32	B 813040	6500	556	137	--	--	--	--	--	--	A2-13
	Blendrahmen unten 148/42/42 Fixed frame bottom 148/42/42	B 813050	6500	585	190	--	--	--	--	--	--	A2-14
KOPPLUNGSPROFIL / COUPLING PROFILE												
	Adapterprofil Fassade 148/18.5/17.5/38 Adapter profile facade 148/18.5/17.5/38	B 813900	6500	438	142	109	122	130	135	140	--	A2-14
	Adapterprofil 148/38.5/38.5 Adapter profile 148/38.5/38.5	B 813930	6500	472	165	155	172	183	191	201	--	A2-15
SPROSSEN / TRANSOM PROFILE												
	Sprosse SL 65/12/12 Transom profile SL 65/12/12	B 813770	6500	218	36	9	10	11	12	12	--	A2-15

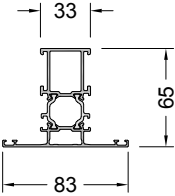
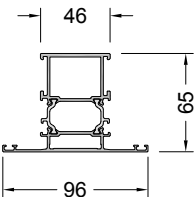
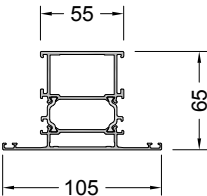
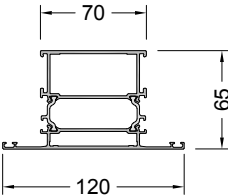
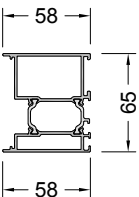
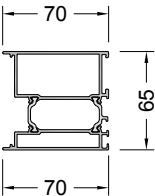
Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		$I_{x\text{eff}}$ (cm ⁴) effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category W					I_y (cm ⁴) I_y (cm ⁴)	Seite Page
				umfld. total	mech. mech.	abhängig der Spannweite / depending on distance between supports L (cm)						
						L < 200	L ≥ 200	L > 250	L > 300	L > 400		
Maßstab / Scale 1:5												
SPROSSEN / TRANSOM PROFILE												
	Sprosse 65/33/83 Transom profile 65/33/83	B 806310	6500	397	126	17	20	22	23	25	--	A2-16
	Sprosse 65/46/96 Transom profile 65/46/96	B 806330	6500	425	152	21	25	28	30	33	--	A2-16
	Sprosse 65/55/105 Transom profile 65/55/105	B 806340	6500	443	170	22	27	30	32	35	--	A2-17
	Sprosse 65/70/120 Transom profile 65/70/120	B 806350	6500	472	200	24	30	34	37	40	--	A2-17
	Sprosse Monorail 65/58/58 Transom profile monorail 65/58/58	B 813100	6500	315	120	18	21	24	25	27	17	A2-18
	Sprosse Monorail 65/70/70 Transom profile monorail 65/70/70	B 813110	6500	339	147	21	25	27	29	32	--	A2-18

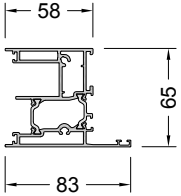
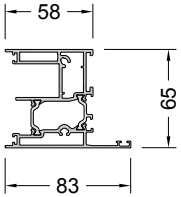
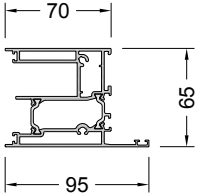
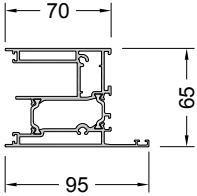
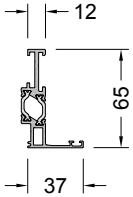
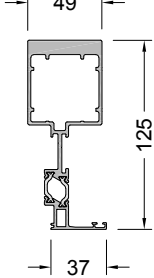
Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		$I_{x,ef}(cm^4)$ effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category W					$I_y(cm^4)$ $I_y(cm^4)$	Seite Page
				umfld. total	mech. mech.	abhängig der Spannweite / depending on distance between supports L (cm)						
						L < 200	L ≥ 200	L > 250	L > 300	L > 400		
Maßstab / Scale 1:5												
FLÜGELPROFILE / SASH PROFILE												
	Schiebeflügel 65/58/83 Sliding sash 65/58/83	B 813232	6500	448	146	24	29	32	35	38	--	A2-19
	Schiebeflügel 65/58/83 Sliding sash 65/58/83	B 813233	6500	448	146	8	8	8	8	8	--	A2-19
	Schiebeflügel 65/70/95 Sliding sash 65/70/95	B 813234	6500	496	170	26	32	36	39	43	--	A2-20
	Schiebeflügel 65/70/95 Sliding sash 65/70/95	B 813235	6500	496	170	10	10	10	10	10	--	A2-20
	Schiebeflügel SL 65/12/37 Sliding sash SL 65/12/37	B 813740	6500	265	59	10	12	13	13	14	--	A2-21
	Statik Schiebeflügel SL 65/49/37 Static sliding sash SL 65/49/37	B 813750	6500	453	252	133	149	160	167	177	--	A2-21

Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		I _x et (cm ⁴) effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category W					I _y (cm ⁴) I _y (cm ⁴)	Seite Page
				umfld. total	mech. mech.	abhängig der Spannweite / depending on distance between supports L (cm)						
						L < 200	L ≥ 200	L > 250	L > 300	L > 400		
Maßstab / Scale 1:5												
FENSTER-ANSCHLAGPROFIL / SASH STOP PROFILE												
	Anschlagprofil 79/67/16 Rebate profile 79/67/16	P 515005	6500	355	196	--	--	--	--	--	--	A2-22
BLENDRAHMEN ABDECKUNG / FIXED FRAME COVER PROFILE												
	Blendrahmen Abdeckung 41.5/11/10 Fixed frame cover profile 41.5/11/10	P 813722	6500	180	53	--	--	--	--	--	--	A2-22
	Blendrahmen Abdeckung 63/11/14.5 Fixed frame cover profile 63/11/14.5	P 813723	6500	226	100	--	--	--	--	--	--	A2-23
GLASANSCHLAG / GLASS STOPPER PROFILE												
	Schwellenprofil 92.5/11/6 Threshold profile 92.5/11/6	P 813650	6500	237	106	--	--	--	--	--	--	A2-23
	Schwellenprofil 116/14/15 Threshold profile 116/14/15	B 813920	6500	365	74	--	--	--	--	--	--	A2-24
	Schwellenprofil 81/11/17 Threshold profile 81/11/17	P 813700	6500	245	103	--	--	--	--	--	--	A2-24

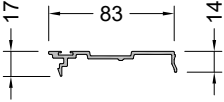
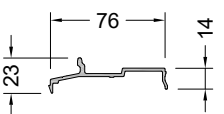
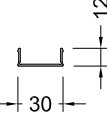
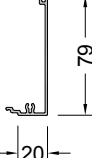
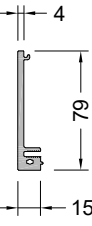
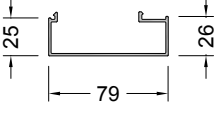
Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		$I_{x,ef}(cm^4)$ effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category W					$I_y(cm^4)$ $I_y(cm^4)$	Seite Page
				umfld. total	mech. mech.	abhängig der Spannweite / depending on distance between supports L (cm)						
						L < 200	L ≥ 200	L > 250	L > 300	L > 400		
GLASANSCHLAG / CLASS STOPPER PROFILE												
	Schwellenprofil 83/14/17 Threshold profile 83/14/17	P 813710	6500	248	101	--	--	--	--	--	--	A2-25
	Schwellenprofil 76/14/23 Threshold profile 76/14/23	P 813660	6500	221	73	--	--	--	--	--	--	A2-25
ABDECKPROFILE / COVER PROFILES												
	Abdeckprofil 30/12/-- Cover profile 30/12/--	P 755969	6000	105	30	--	--	--	--	--	--	A2-26
	Abdeckprofil 79/20/-- Cover profile 79/20/--	P 813690	6500	251	103	--	--	--	--	--	--	A2-26
	Abdeckprofil 79/4/15 Cover profile 79/4/15	P 813760	6500	228	96	27	27	27	27	27	--	A2-27
	Abdeckprofil 79/26/25 Cover profile 79/26/25	P 813730	6500	317	136	--	--	--	--	--	--	A2-27

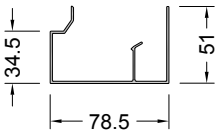
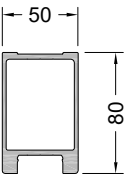
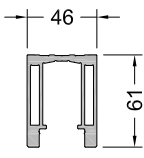
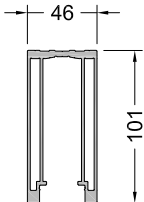
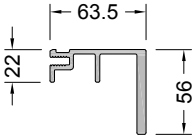
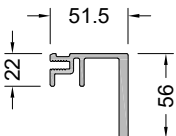
Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		I_x et (cm ⁴) effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category W					I_y (cm ⁴) I_y (cm ⁴)	Seite Page
				umfld. total	mech. mech.	abhängig der Spannweite / depending on distance between supports L (cm)						
						L < 200	L ≥ 200	L > 250	L > 300	L > 400		
Maßstab / Scale 1:5												
ABDECKPROFILE / COVER PROFILES												
	Abdeckprofil 78.5/51/34.5 Cover profile 78.5/51/34.5	P 813721	6500	433	197	--	--	--	--	--	--	A2-28
VERSTÄRKUNGSPROFILE / REINFORCEMENT PROFILES												
	Verstärkungsprofil 50/80/-- Reinforcement profile 50/80/--	P 596166	6500	283	160	76	76	76	76	76	34	A2-28
	Verstärkungsprofil 46/61/-- Reinforcement profile 46/61/--	P 780561	6000	338	122	36	36	36	36	36	26	A2-29
	Verstärkungsprofil 46/101/-- Reinforcement profile 46/101/--	P 780563	6000	498	202	123	123	123	123	123	32	A2-29
	Verstärkungsprofil 63.5/56/22 Reinforcement profile 63.5/56/22	P 496453	6500	345	--	32	32	32	32	32	18	A2-30
	Verstärkungsprofil 51.5/56/22 Reinforcement profile 51.5/56/22	P 496455	6500	321	--	20	20	20	20	20	17	A2-30

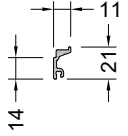
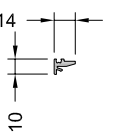
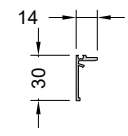
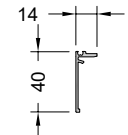
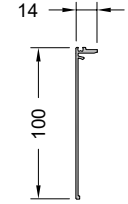
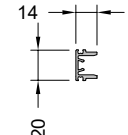
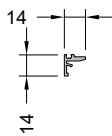
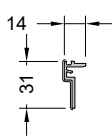
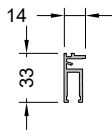
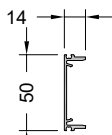
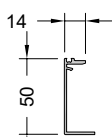

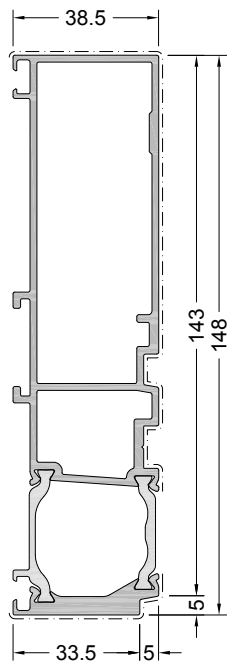

Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		I _{xef} (cm ⁴) effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category W					I _y (cm ⁴) I _y (cm ⁴)	Seite Page
				umld. total	mech. mech.	abhängig der Spannweite / depending on distance between supports L (cm)						
						L < 200	L ≥ 200	L > 250	L > 300	L > 400		
ZUSATZPROFIL / SUPPLEMENTARY PROFILES												
	Zusatzprofil 14/11/21 Accessory profile 14/11/21	P 813670	6500	76	18	--	--	--	--	--	--	A2-31
	Wandanschlussprofil 10/14/-- Wall attachment profile 10/14/--	P 496148	6500	57	10	--	--	--	--	--	--	A2-31
	Wandanschlussprofil 30/14/-- Wall attachment profile 30/14/--	P 496150	6500	101	30	--	--	--	--	--	--	A2-32
	Wandanschlussprofil 40/14/-- Wall attachment profile 40/14/--	P 496151	6500	121	40	--	--	--	--	--	--	A2-32
	Wandanschlussprofil 100/14/-- Wall attachment profile 100/14/--	P 496152	6500	241	100	--	--	--	--	--	--	A2-33
	Verbindungsprofil 20/14/-- Connecting profile 20/14/--	P 496156	6500	115	20	--	--	--	--	--	--	A2-33

Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		I_x et (cm ⁴) effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category W					I_y (cm ⁴) I_y (cm ⁴)	Seite Page
				umfld. total	mech. mech.	abhängig der Spannweite / depending on distance between supports L (cm)						
						L < 200	L ≥ 200	L > 250	L > 300	L > 400		
Maßstab / Scale 1:5												
ZUSATZPROFILE / SUPPLEMENTARY PROFILES												
	Wandanschlussprofil 14/14/-- Wall attachment profile 14/14/--	P 496157	6500	68	14	--	--	--	--	--	--	A2-34
	Wandanschlussprofil 31/14/5 Wall attachment profile 31/14/5	P 496154	6500	111	36	--	--	--	--	--	--	A2-34
	Wandanschlussprofil 33/14/12 Wall attachment profile 33/14/12	P 496155	6500	168	33	--	--	--	--	--	--	A2-35
	Verbindungsprofil 50/14/14 Connection profile 50/14/14	P 496114	6500	175	50	--	--	--	--	--	--	A2-35
	Wandanschlussprofil 50/14/20 Wall attachment profile 50/14/20	P 496153	6500	176	70	--	--	--	--	--	--	A2-36














Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfd. / total	mech. / mech.
 BLENDRAHMEN SEITLICH 148/38.5/33.5 FIXED FRAME LATERAL 148/38.5/33.5	B 813021	6500	406	224


Maßstab / Scale 1:2



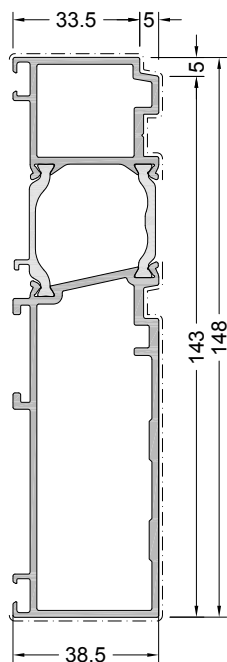
 Alternativ auch in Profillänge 3200 mm lieferbar
Also available in length of 3200 mm

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder / Corner cleat	--	--	--
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Aussteifungswinkel Corner strengthening piece	--	--	--
 T-Verbinder / T-cleat	--	--	--
 T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Formteil links / Shaped piece left	--	--	--
 Formteil rechts / Shaped piece right	--	--	--
 Dichtkissen / Sealing pad	--	--	--
 Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	78	K 920255	
 Klotzbrücke Glazing bridge	--	--	--














Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfd. / total	mech. / mech.
 BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	B 813010	6500	416	224


Maßstab / Scale 1:2



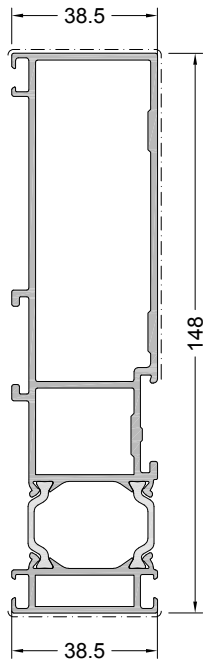
 Alternativ auch in Profillänge 3200 mm lieferbar
Also available in length of 3200 mm


PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder / Corner cleat	--	--	--
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Aussteifungswinkel Corner strengthening piece	--	--	--
 T-Verbinder / T-cleat	--	--	--
 T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Formteil links / Shaped piece left	--	--	--
 Formteil rechts / Shaped piece right	--	--	--
 Dichtkissen / Sealing pad	--	--	--
 Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	78	K 920255	
 Klotzbrücke Glazing bridge	--	--	--














Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN SEITLICH 148/38.5/38.5 FIXED FRAME LATERAL 148/38.5/38.5	B 813080	6500	457	166


Maßstab / Scale 1:2



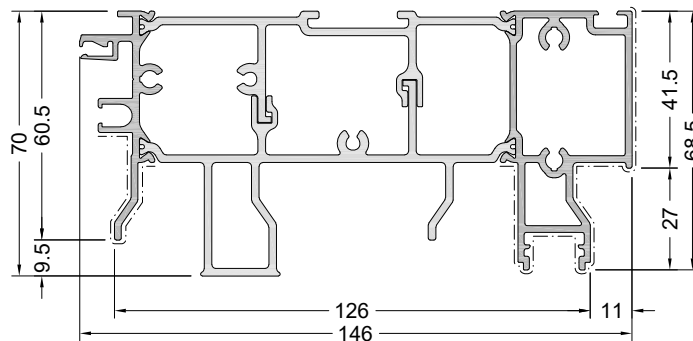
 **Alternativ auch in Profillänge 3200 mm lieferbar**
Also available in length of 3200 mm

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder / Corner cleat	--	--	--
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Aussteifungswinkel Corner strengthening piece	--	--	--
 T-Verbinder / T-cleat	--	--	--
 T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Formteil links / Shaped piece left	--	--	--
 Formteil rechts / Shaped piece right	--	--	--
 Dichtkissen / Sealing pad	--	--	--
 Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	110	K 920372	
 Klotzbrücke Glazing bridge	--	--	--


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN OBEN 146/41.5/60.5 FIXED FRAME TOP 146/41.5/60.5	B 813032	6500	638	195

Maßstab / Scale 1:2

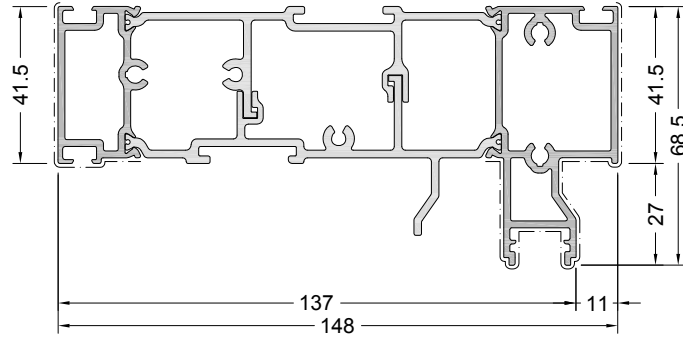


 **Alternativ auch in Profillänge 4000 mm lieferbar**

Also available in length of 4000 mm


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN OBEN 148/41.5/41.5 FIXED FRAME TOP 148/41.5/41.5	B 813071	6500	625	256

Maßstab / Scale 1:2

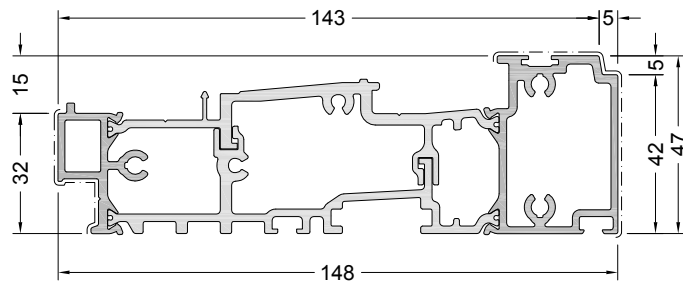


Alternativ auch in Profillänge 4000 mm lieferbar

Also available in length of 4000 mm


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	B 813040	6500	556	137

Maßstab / Scale 1:2

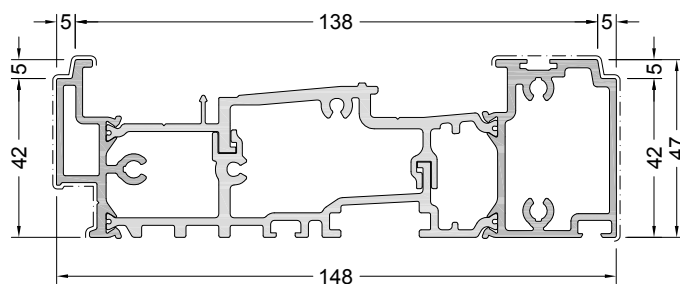


Alternativ auch in Profillänge 4000 mm lieferbar

Also available in length of 4000 mm


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umlfd. / total	mech. / mech.	
 BLENDRAHMEN UNTEN 148/42/42 FIXED FRAME BOTTOM 148/42/42	B 813050	6500	585	190	

Maßstab / Scale 1:2

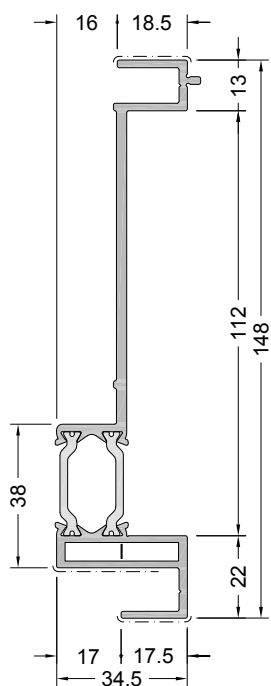



 Alternativ auch in 4000 mm Profillänge lieferbar

Also available in length of 4000 mm










Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umlfd. / total	mech. / mech.	
 ADAPTERPROFIL FASSADE 148/18,5/17,5/38 ADAPTER PROFILE FACADE 148/18,5/17,5/38	B 813900	6500	438	142	


Maßstab / Scale 1:2



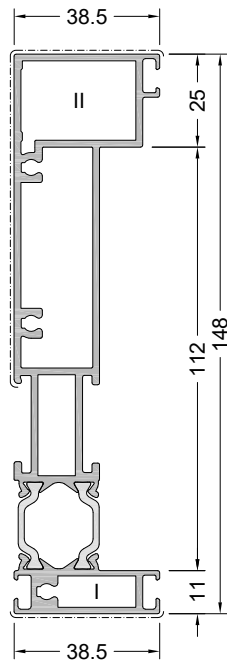
 Alternativ auch in Profillänge 3200 mm lieferbar
Also available in length of 3200 mm

PROFILZUBEHÖR / PROFILE ACCESSORIES














Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder / Corner cleat	--	Z 917637	--
Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Aussteifungswinkel Corner strengthening piece	--	--	--
 T-Verbinder / T-cleat	--	--	--
T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Formteil links / Shaped piece left	--	--	--
Formteil rechts / Shaped piece right	--	--	--
 Dichtkissen / Sealing pad	--	--	--
Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	20	K 920284	
 Klotzbrücke Glazing bridge	--	--	--


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 ADAPTERPROFIL 148/38.5/38.5 ADAPTER PROFILE 148/38.5/38.5	B 813930	6500	472	165

Maßstab / Scale 1:2

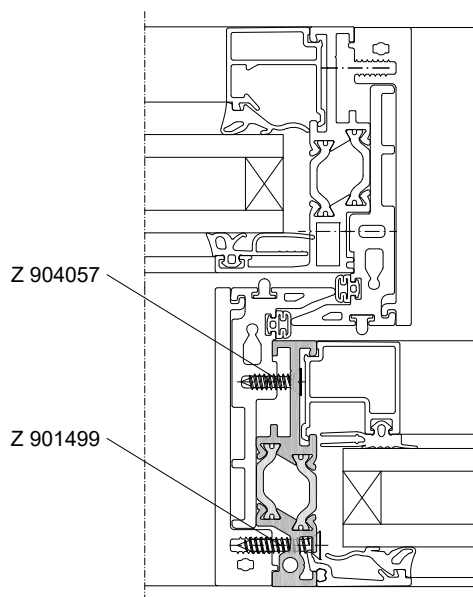
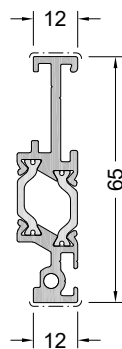



PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder / Corner cleat	20	Z 923130	Z 923129 Z 923128
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911049	Z 911513
 Aussteifungswinkel Corner strengthening piece	--	--	--
 T-Verbinder / T-cleat	--	--	--
 T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Formteil links / Shaped piece left	--	--	--
 Formteil rechts / Shaped piece right	--	--	--
 Dichtkissen / Sealing pad	--	--	--
 Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	20	K 920284	
 Klotzbrücke Glazing bridge	--	--	--

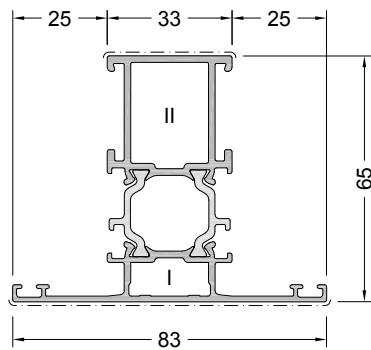
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 SPROSSE SL 65/12/12 TRANSOM PROFILE SL 65/12/12	B 813770	6500	218	36

Maßstab / Scale 1:2

















Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 SPROSSE 65/33/83 TRANSOM PROFILE 65/33/83	B 806310	6500	397	126

Maßstab / Scale 1:2

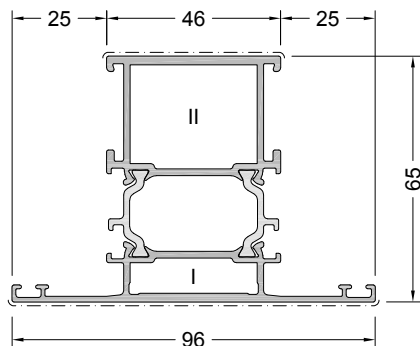


PROFILZUBEHÖR / PROFILE ACCESSORIES














Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder / Corner cleat	20	Z 914295	Z 911956
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911049	Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 T-Verbinder / T-cleat	20	Z 914374	Z 914383
 T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	100	Z 911513	Z 914351
 Formteil links / Shaped piece left	100	Z 914234	--
 Formteil rechts / Shaped piece right	100	Z 914235	--
 Dichtkissen / Sealing pad	20	Z 917306	--
 Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	--	--	--
 Klotzbrücke Glazing bridge	--	--	--


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 SPROSSE 65/46/96 TRANSOM PROFILE 65/46/96	B 806330	6500	425	152

Maßstab / Scale 1:2

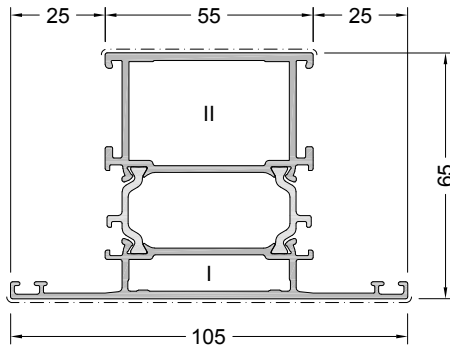


PROFILZUBEHÖR / PROFILE ACCESSORIES














Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder / Corner cleat	20	Z 914297	Z 911120
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911049	Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 T-Verbinder / T-cleat	20	Z 914376	Z 914385
 T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	100	Z 911513	Z 914351
 Formteil links / Shaped piece left	100	Z 914234	--
 Formteil rechts / Shaped piece right	100	Z 914235	--
 Dichtkissen / Sealing pad	20	Z 917308	--
 Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	--	--	--
 Klotzbrücke Glazing bridge	--	--	--


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 SPROSSE 65/55/105 TRANSOM PROFILE 65/55/105	B 806340	6500	443	170

Maßstab / Scale 1:2

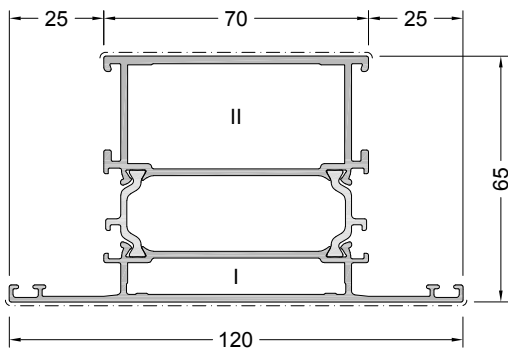


PROFILZUBEHÖR / PROFILE ACCESSORIES













Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder / Corner cleat	20	Z 914298	Z 914423
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911049	Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 T-Verbinder / T-cleat	20	Z 914377	Z 914386
 T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	100	Z 911513	Z 914351
 Formteil links / Shaped piece left	100	Z 914234	--
 Formteil rechts / Shaped piece right	100	Z 914235	--
 Dichtkissen / Sealing pad	20	Z 914352	--
 Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	--	--	--
 Klotzbrücke Glazing bridge	--	--	--

Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 SPROSSE 65/70/120 TRANSOM PROFILE 65/70/120	B 806350	6500	472	200

Maßstab / Scale 1:2

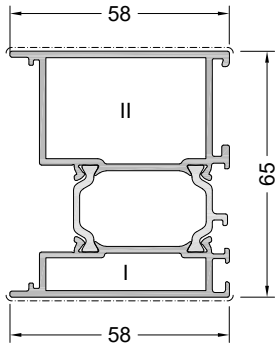


PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder / Corner cleat	20	Z 914299	Z 914425
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911049	Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 T-Verbinder / T-cleat	20	Z 914378	Z 914387
 T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	100	Z 911513	Z 914351
 Formteil links / Shaped piece left	100	Z 914234	--
 Formteil rechts / Shaped piece right	100	Z 914235	--
 Dichtkissen / Sealing pad	20	Z 914352	--
 Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	--	--	--
Klotzbrücke Glazing bridge	--	--	--

Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
SPROSSE MONORAIL 65/58/58 TRANSOM PROFILE MONORAIL 65/58/58	B 813100	6500	315	120

Maßstab / Scale 1:2



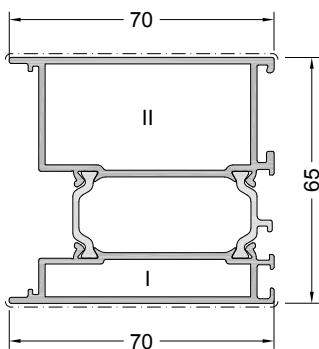
i Alternativ auch in Profillänge 3200 mm lieferbar
Also available in length of 3200 mm

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
Eckverbinder / Corner cleat	--	--	--
Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
Stift Nail	--	--	--
Aussteifungswinkel Corner strengthening piece	--	--	--
T-Verbinder / T-cleat	20	Z 917792	Z 918126
T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
Stift Nail	100	Z 911513	Z 914351
Formteil links / Shaped piece left	--	--	--
Formteil rechts / Shaped piece right	--	--	--
Dichtkissen / Sealing pad	20	Z 914352	--
Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
Dämmkern Insulating core	--	--	--
Klotzbrücke Glazing bridge	--	--	--

Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
SPROSSE MONORAIL 65/70/70 TRANSOM PROFILE MONORAIL 65/70/70	B 813110	6500	339	147


Maßstab / Scale 1:2



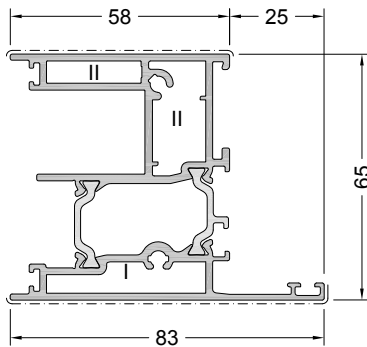
i Alternativ auch in Profillänge 3200 mm lieferbar
Also available in length of 3200 mm

PROFILZUBEHÖR / PROFILE ACCESSORIES














Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
Eckverbinder / Corner cleat	--	--	--
Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
Stift Nail	--	--	--
Aussteifungswinkel Corner strengthening piece	--	--	--
T-Verbinder / T-cleat	20	Z 918127	Z 918128
T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
Stift Nail	100	Z 911513	Z 914351
Formteil links / Shaped piece left	--	--	--
Formteil rechts / Shaped piece right	--	--	--
Dichtkissen / Sealing pad	20	Z 914352	--
Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
Dämmkern Insulating core	--	--	--
Klotzbrücke Glazing bridge	--	--	--


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfd. / total	mech. / mech.
 SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	B 813232	6500	448	146

Maßstab / Scale 1:2

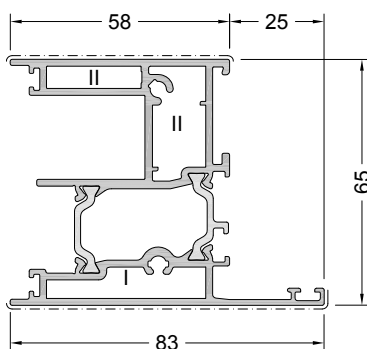


PROFILZUBEHÖR / PROFILE ACCESSORIES













Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder / Corner cleat	20	Z 917259	Z 917258 Z 918817
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911049	Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 T-Verbinder / T-cleat	--	--	--
 T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Formteil links / Shaped piece left	--	--	--
 Formteil rechts / Shaped piece right	--	--	--
 Dichtkissen / Sealing pad	--	--	--
 Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	137	K 920326	
 Klotzbrücke Glazing bridge	50	Z 914357 Z 914358	

Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfd. / total	mech. / mech.
 SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	B 813233	6500	448	146


Maßstab / Scale 1:2



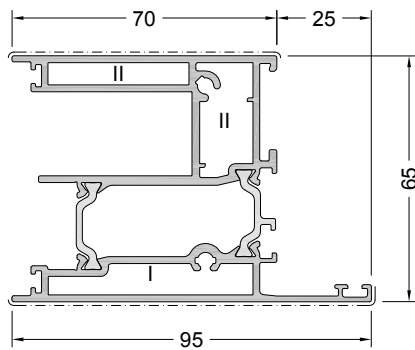
PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder / Corner cleat	20	Z 917259	Z 917258 Z 918817
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911049	Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 T-Verbinder / T-cleat	--	--	--
 T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Formteil links / Shaped piece left	--	--	--
 Formteil rechts / Shaped piece right	--	--	--
 Dichtkissen / Sealing pad	--	--	--
 Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	137	K 920326	
Klotzbrücke Glazing bridge	50	Z 914357 Z 914358	














 Schubweicher Delta-T-Verbund
Flexible Delta-T-compound


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	B 813234	6500	496	170

Maßstab / Scale 1:2

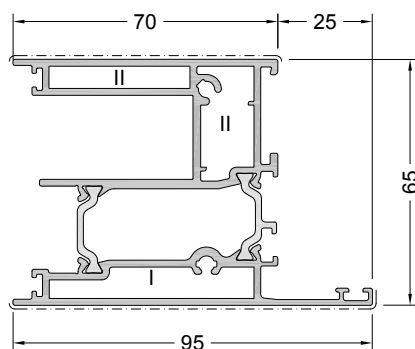


PROFILZUBEHÖR / PROFILE ACCESSORIES














Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder / Corner cleat	20	Z 917257	Z 917256 Z 918817
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911049	Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 T-Verbinder / T-cleat	--	--	--
 T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Formteil links / Shaped piece left	--	--	--
 Formteil rechts / Shaped piece right	--	--	--
 Dichtkissen / Sealing pad	--	--	--
 Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	98	K 920324	
 Klotzbrücke Glazing bridge	50	Z 914357 Z 914358	

Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	B 813235	6500	496	170


Maßstab / Scale 1:2



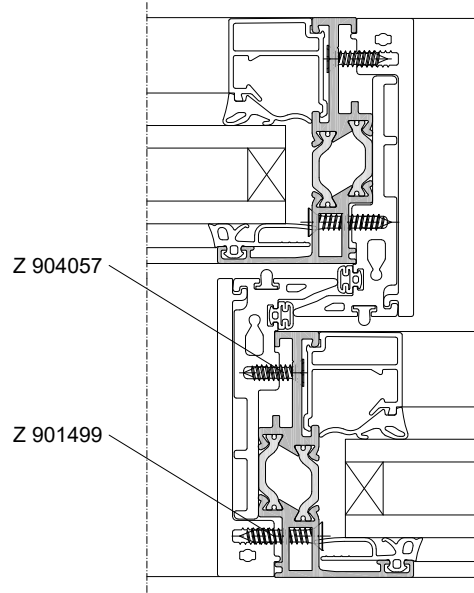
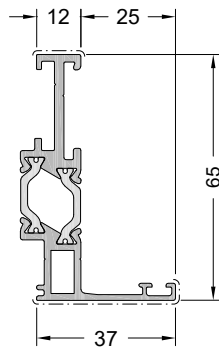
PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder / Corner cleat	20	Z 917257	Z 917256 Z 918817
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911049	Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 T-Verbinder / T-cleat	--	--	--
 T-Verbinder, verstellbar T-cleat, adjustable	--	--	--
 Stift Nail	--	--	--
 Formteil links / Shaped piece left	--	--	--
 Formteil rechts / Shaped piece right	--	--	--
 Dichtkissen / Sealing pad	--	--	--
 Dichtkissenabdeckung PA Zone Sealing pad cover insulation area	--	--	--
 Dämmkern Insulating core	98	K 920324	
 Klotzbrücke Glazing bridge	50	Z 914357 Z 914358	

 Schubweicher Delta-T-Verbund
Flexible Delta-T-compound

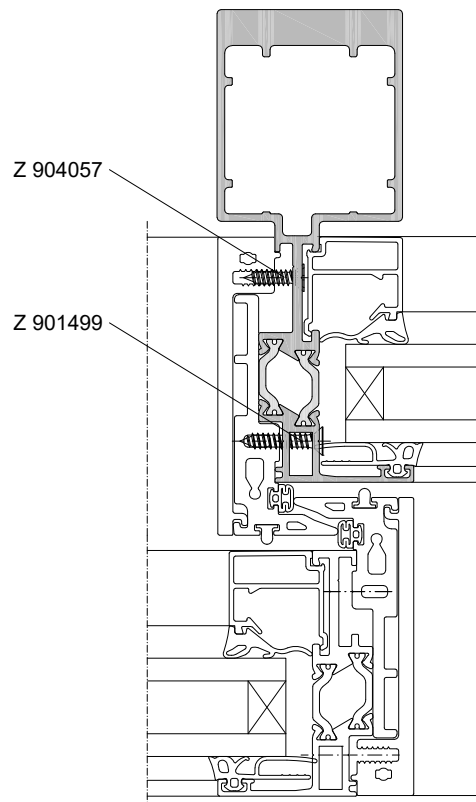
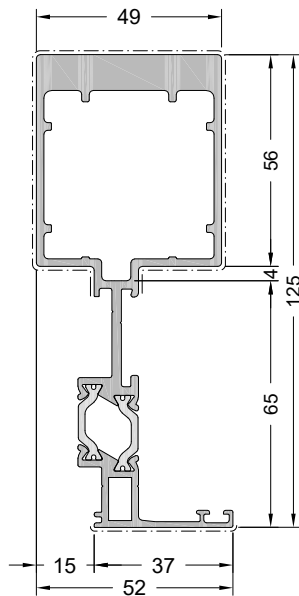
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umlfd. / total	mech. / mech.
 SCHIEBEFLÜGEL SL 65/12/37 SLIDING SASH SL 65/12/37	B 813740	6500	265	59


Maßstab / Scale 1:2



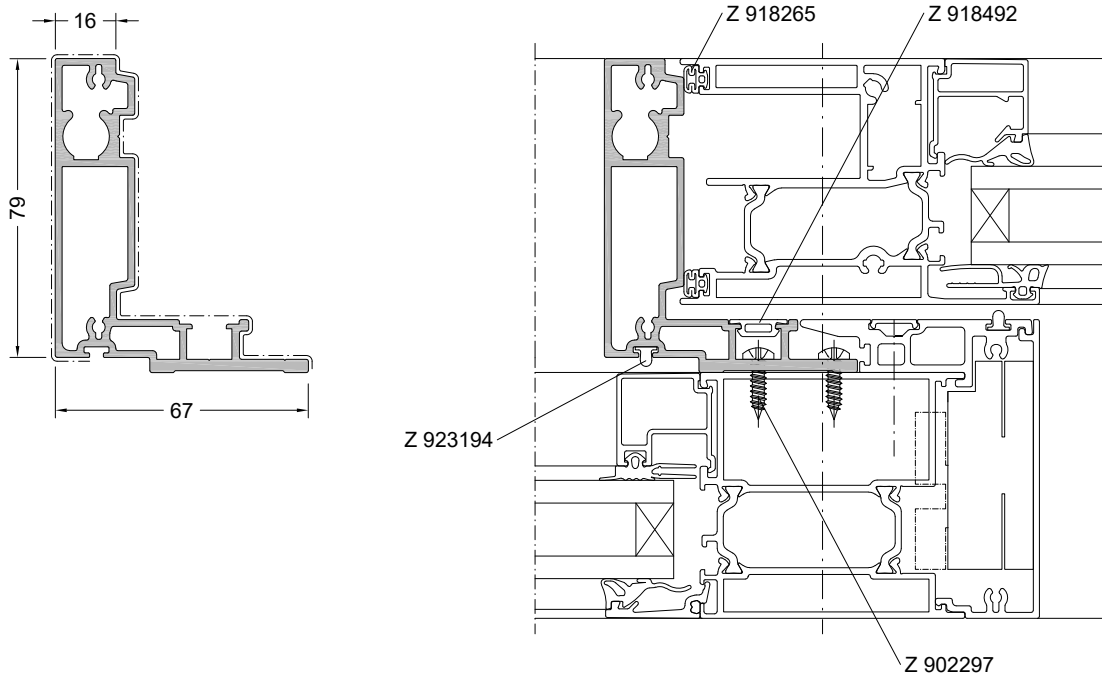
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umlfd. / total	mech. / mech.
 STATIK SCHIEBEFLÜGEL SL 65/49/37 STATIC SLIDING SASH SL 65/49/37	B 813750	6500	453	252


Maßstab / Scale 1:2



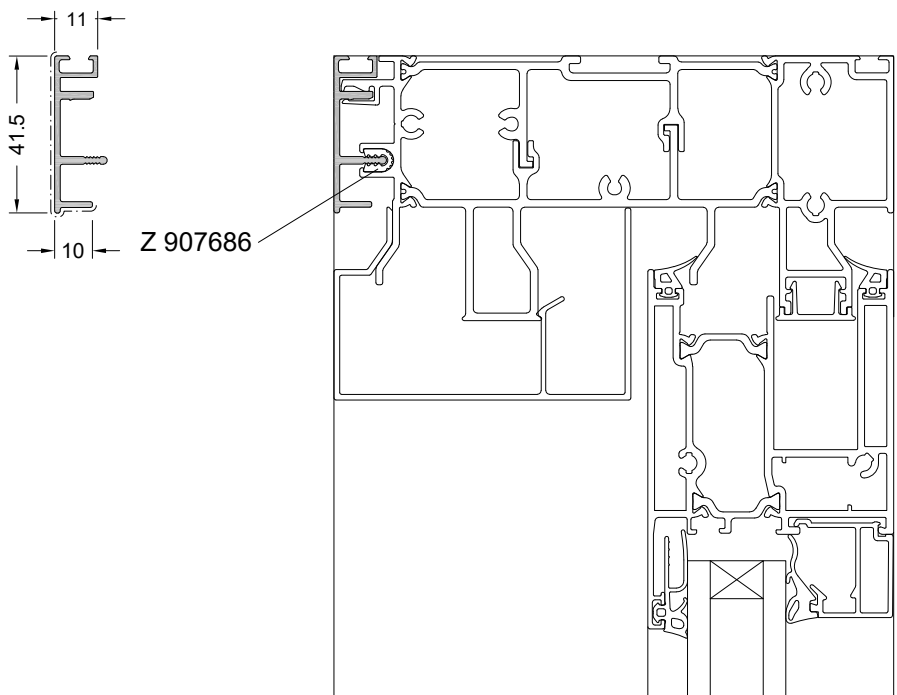
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 ANSCHLAGPROFIL 79/67/16 REBATE PROFILE 79/67/16	P 515005	6500	355	196

Maßstab / Scale 1:2




Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN ABDECKUNG 41.5/11/10 FIXED FRAME COVER PROFILE 41.5/11/10	P 813722	6500	180	53

Maßstab / Scale 1:2

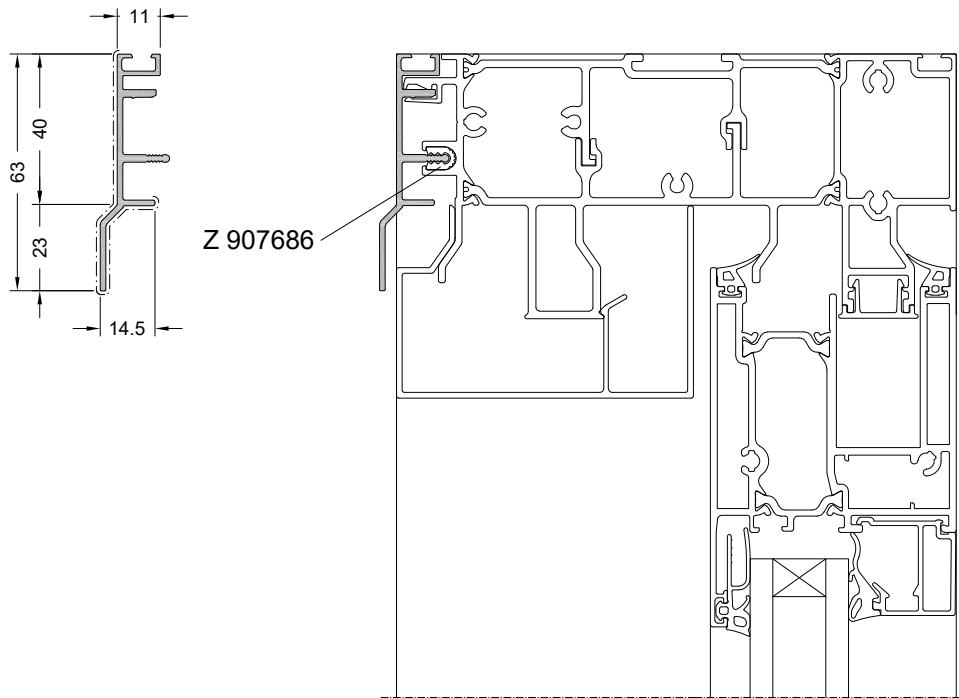


Alternativ auch in Profillänge 4000 mm lieferbar


Also available in length of 4000 mm


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN ABDECKUNG 63/11/14,5 FIXED FRAME COVER PROFILE 63/11/14,5	P 813723	6500	226	100

Maßstab / Scale 1:2

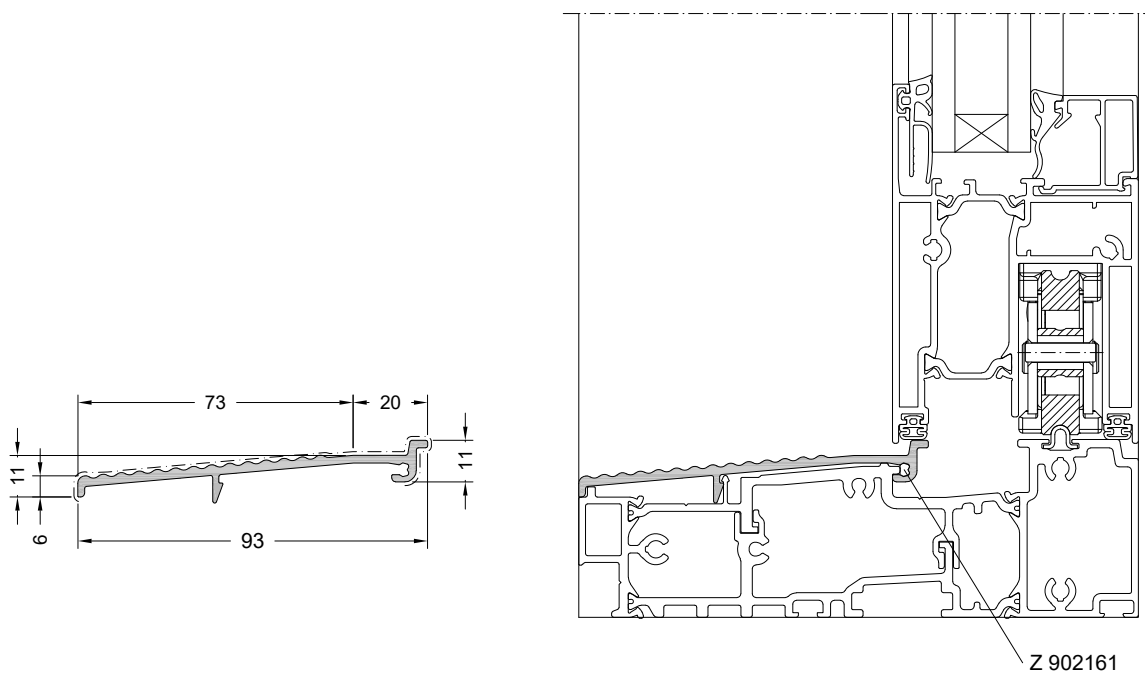


Profile
Profiles
A2

 Alternativ auch in Profillänge 4000 mm lieferbar Also available in length of 4000 mm

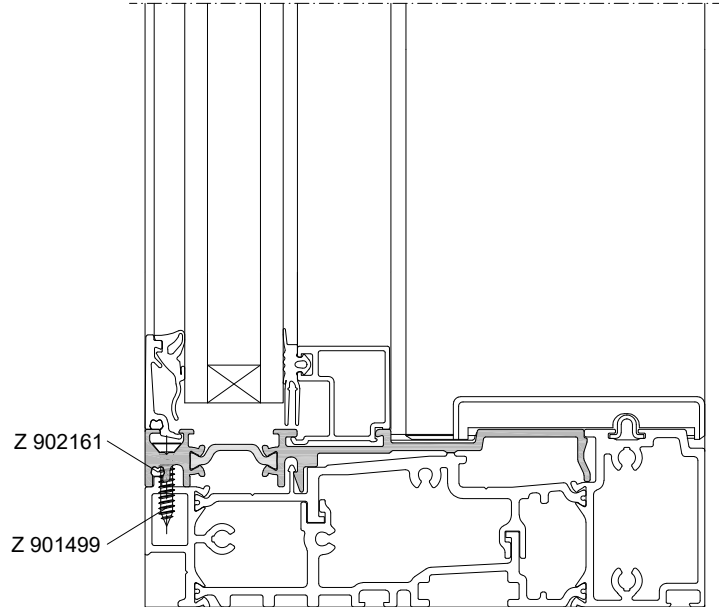
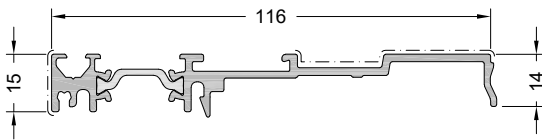
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 SCHWELLENPROFIL 92,5/11/6 THRESHOLD PROFILE 92,5/11/6	P 813650	6500	237	106

Maßstab / Scale 1:2



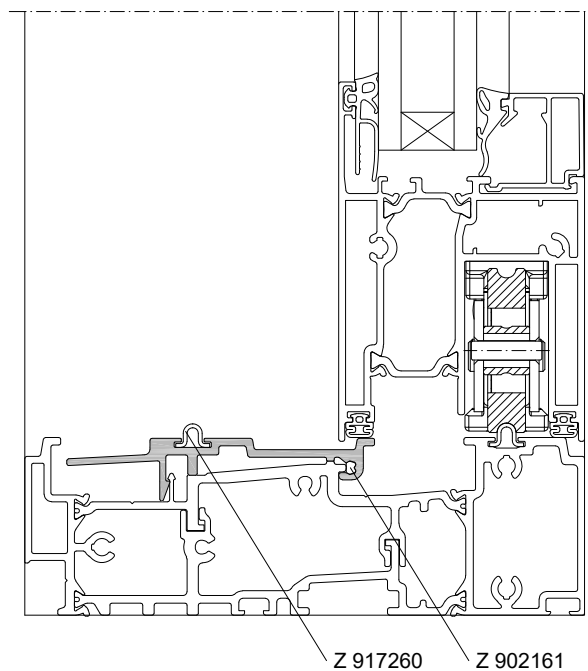
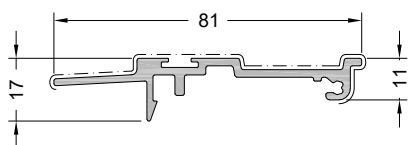
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
SCHWELLENPROFIL 116/14/15 THRESHOLD PROFILE 116/14/15	B 813920	6500	365	74

Maßstab / Scale 1:2



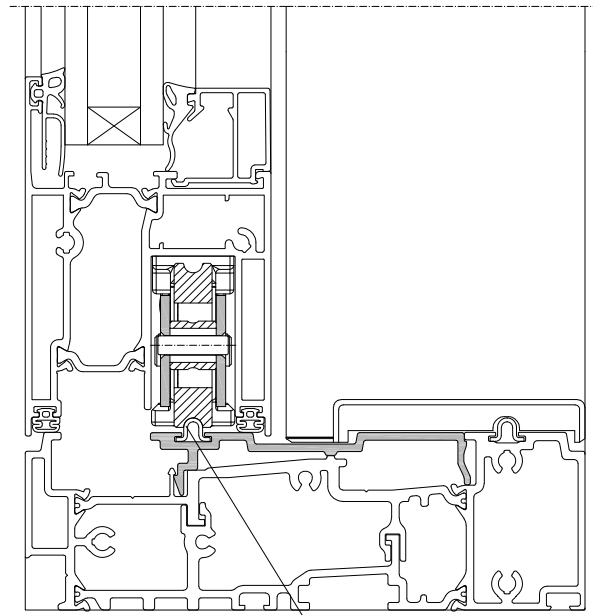
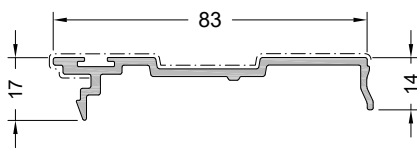
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
SCHWELLENPROFIL 81/11/17 THRESHOLD PROFILE 81/11/17	P 813700	6500	245	103

Maßstab / Scale 1:2



Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
SCHWELLENPROFIL 83/14/17 THRESHOLD PROFILE 83/14/17	P 813710	6500	248	101

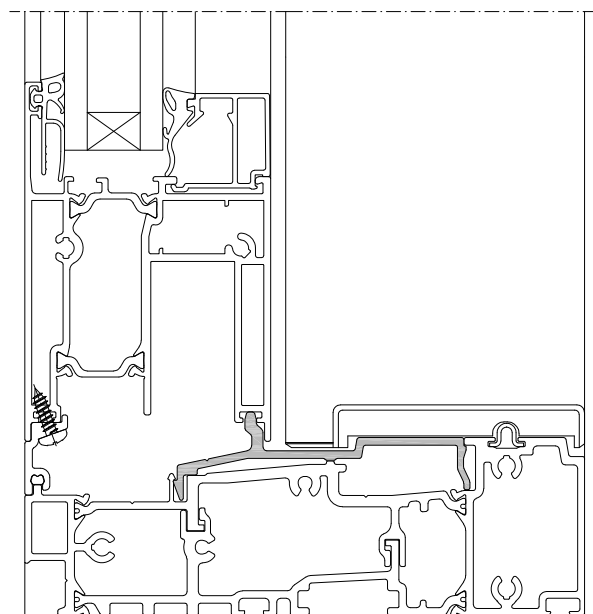
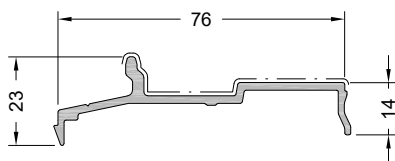
Maßstab / Scale 1:2




Z 917260

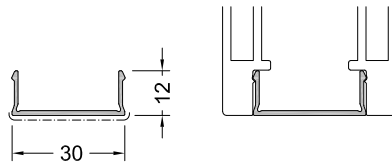
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
SCHWELLENPROFIL 76/14/23 THRESHOLD PROFILE 76/14/23	P 813660	6500	221	73


Maßstab / Scale 1:2



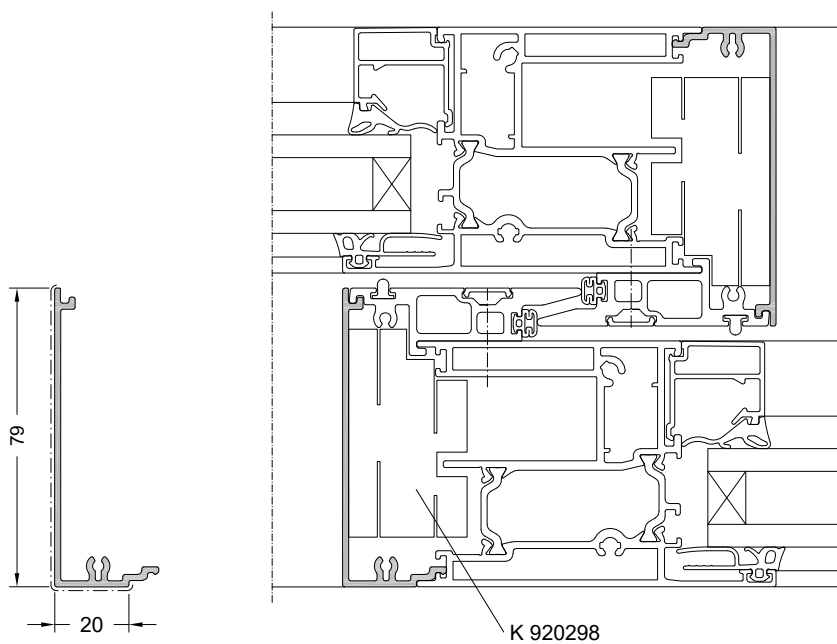
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfd. / total	mech. / mech.
 ABDECKPROFIL 30/12/-- COVER PROFILE 30/12/--	P 75596900.0001	6000	105	30


Maßstab / Scale 1:2



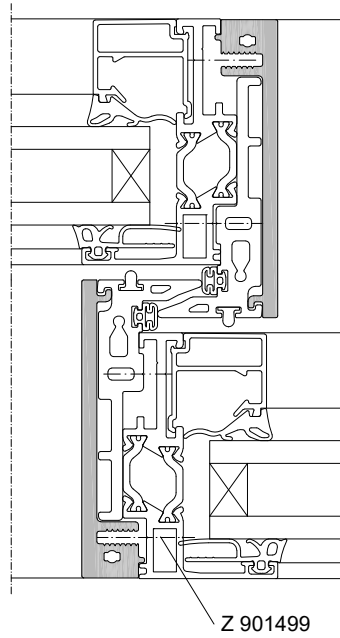
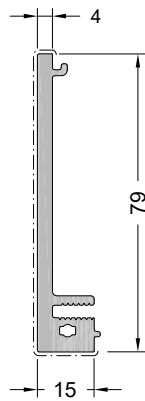
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
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 ABDECKPROFIL 79/20/-- COVER PROFILE 79/20/--	P 813690	6500	251	103


Maßstab / Scale 1:2



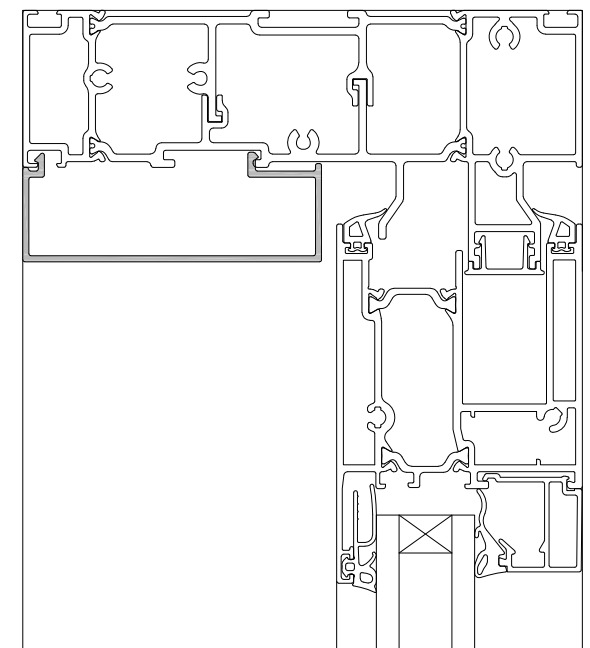
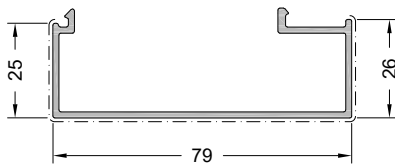
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
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 ABDECKPROFIL 79/4/15 COVER PROFILE 79/4/15	P 813760	6500	228	96


Maßstab / Scale 1:2



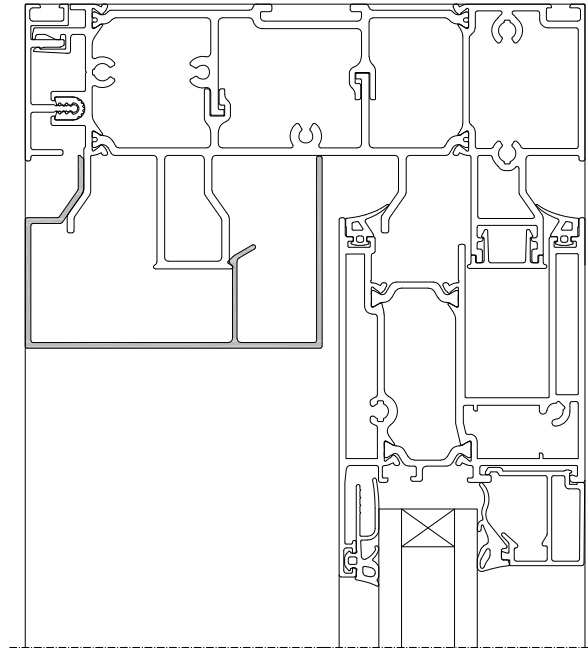
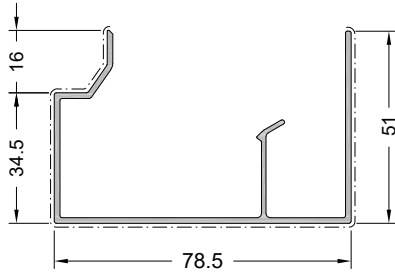
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 ABDECKPROFIL 79/26/25 COVER PROFILE 79/26/25	P 813730	6500	317	136


Maßstab / Scale 1:2



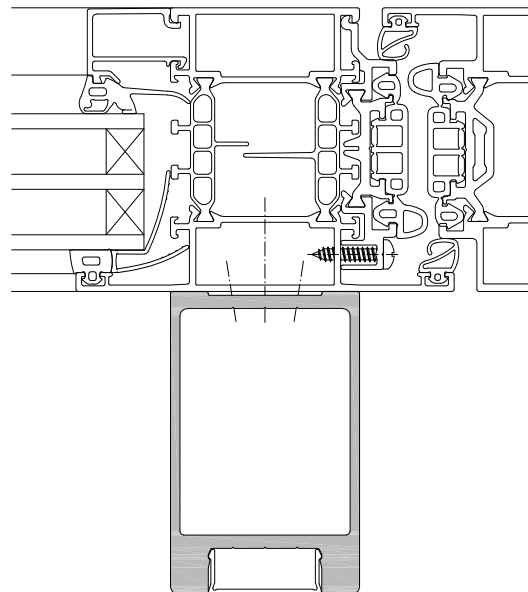
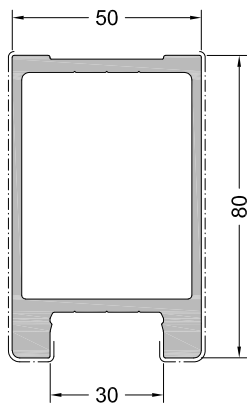
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfd. / total	mech. / mech.	
 ABDECKPROFIL 78.5/51/34.5 COVER PROFILE 78.5/51/34.5	P 813721	6500	433	197	

Maßstab / Scale 1:2




Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfd. / total	mech. / mech.	
 VERSTÄRKUNGSPROFIL 50/80/-- REINFORCEMENT PROFILE 50/80/--	P 596166	6500	283	160	

Maßstab / Scale 1:2

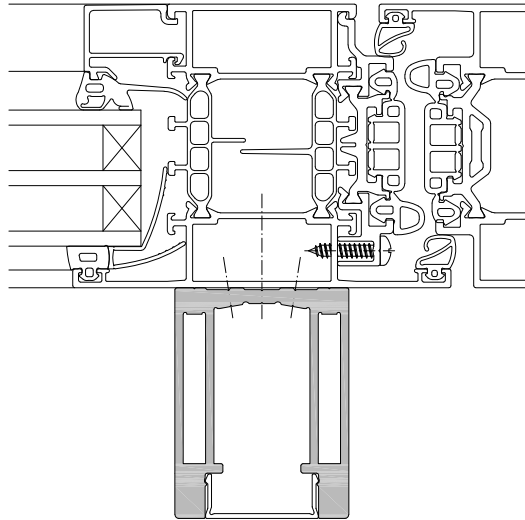
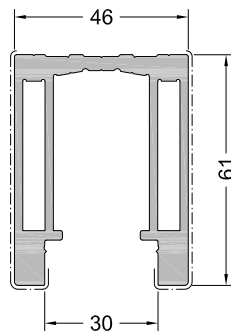


 Befestigung nach statischen Erfordernissen.

Fixing conform to static requirements.


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 VERSTÄRKUNGSPROFIL 46/61/-- REINFORCEMENT PROFILE 46/61/--	P 780561	6000	338	122

Maßstab / Scale 1:2

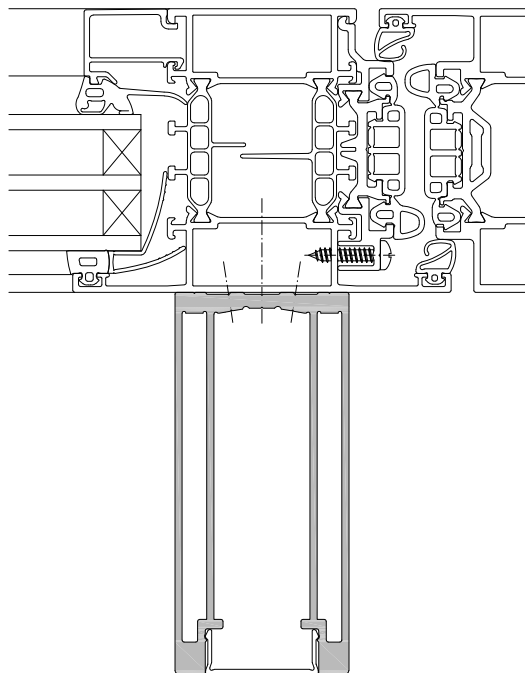
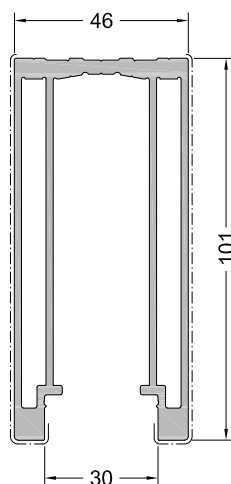


Befestigung nach statischen Erfordernissen.

Fixing conform to static requirements.

Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 VERSTÄRKUNGSPROFIL 46/101/-- REINFORCEMENT PROFILE 46/101/--	P 780563	6000	498	202

Maßstab / Scale 1:2

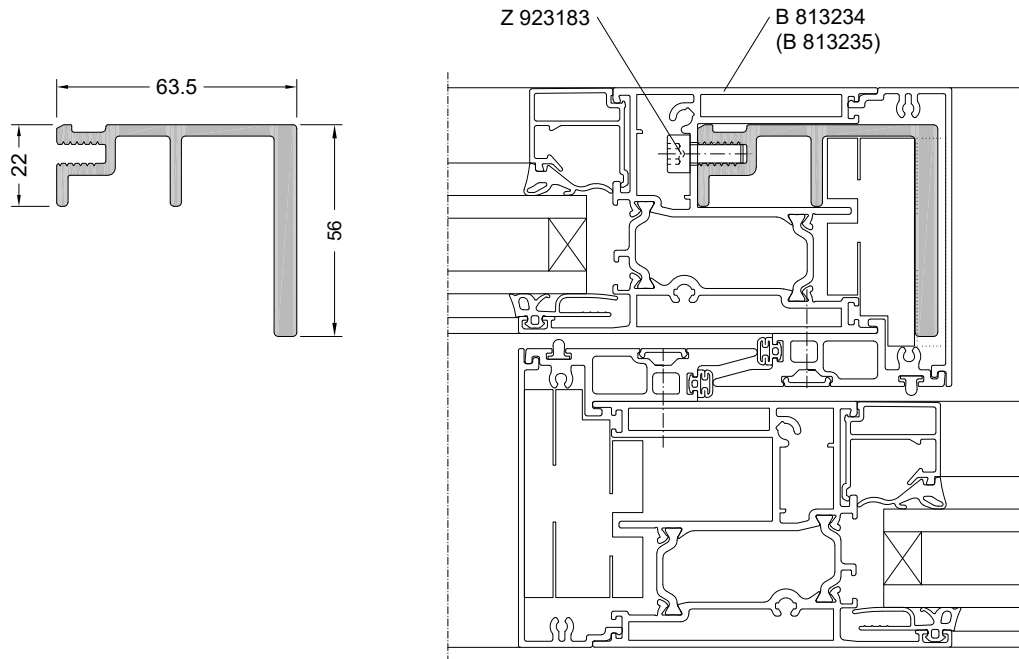


Befestigung nach statischen Erfordernissen.

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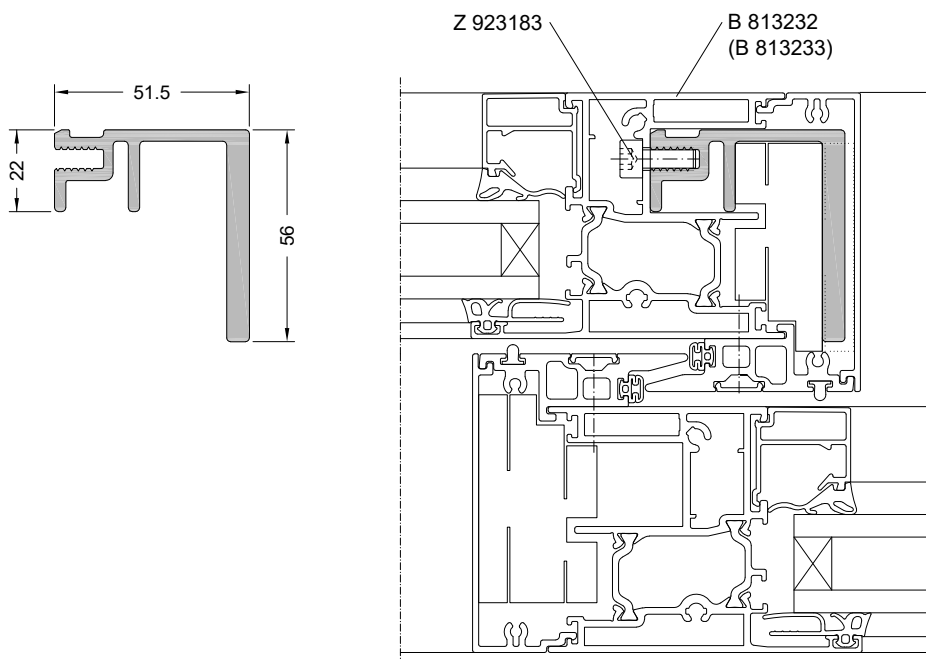
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VERSTÄRKUNGSPROFIL 63.5/56/22 REINFORCEMENT PROFILE 63.5/56/22	P 496453	6500	345	--

Maßstab / Scale 1:2



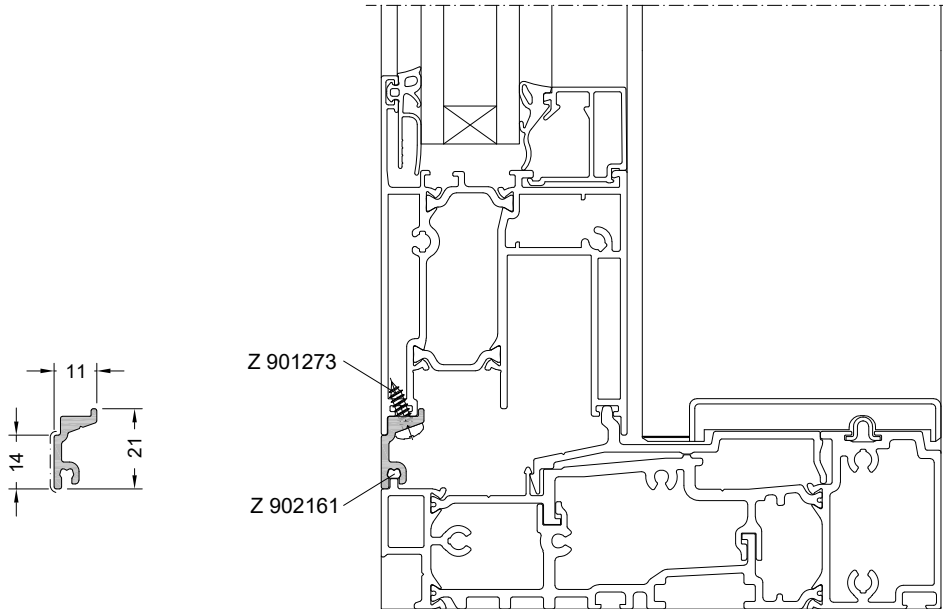
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VERSTÄRKUNGSPROFIL 51.5/56/22 REINFORCEMENT PROFILE 51.5/56/22	P 496455	6500	321	--

Maßstab / Scale 1:2



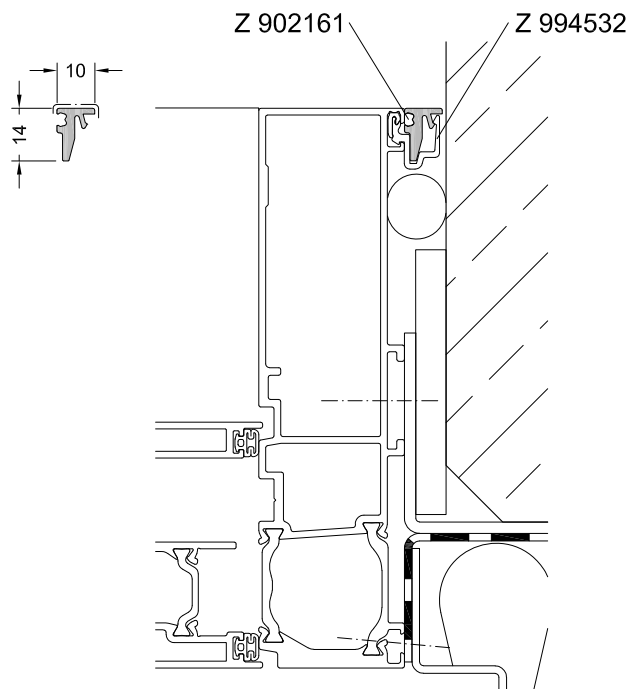
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ZUSATZPROFIL 14/11/21 ACCESSORY PROFILE 14/11/21	P 813670	6500	76	18


Maßstab / Scale 1:2



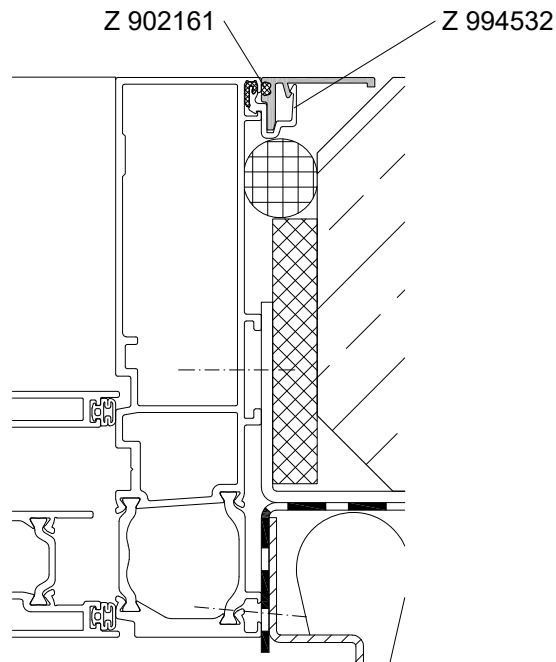
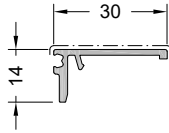
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WANDANSCHLUSSPROFIL 10/14/-- WALL ATTACHMENT PROFILE 10/14/--	P 496148	6500	57	10


Maßstab / Scale 1:2



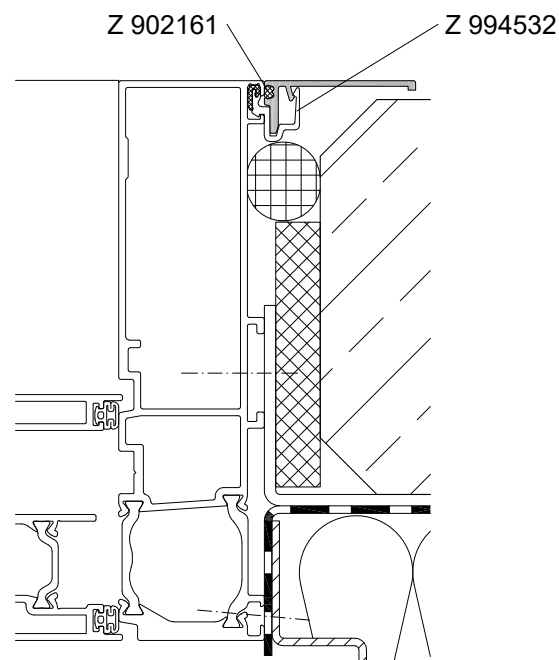
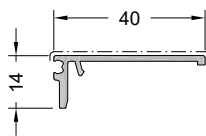
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfd. / total	mech. / mech.	
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Maßstab / Scale 1:2



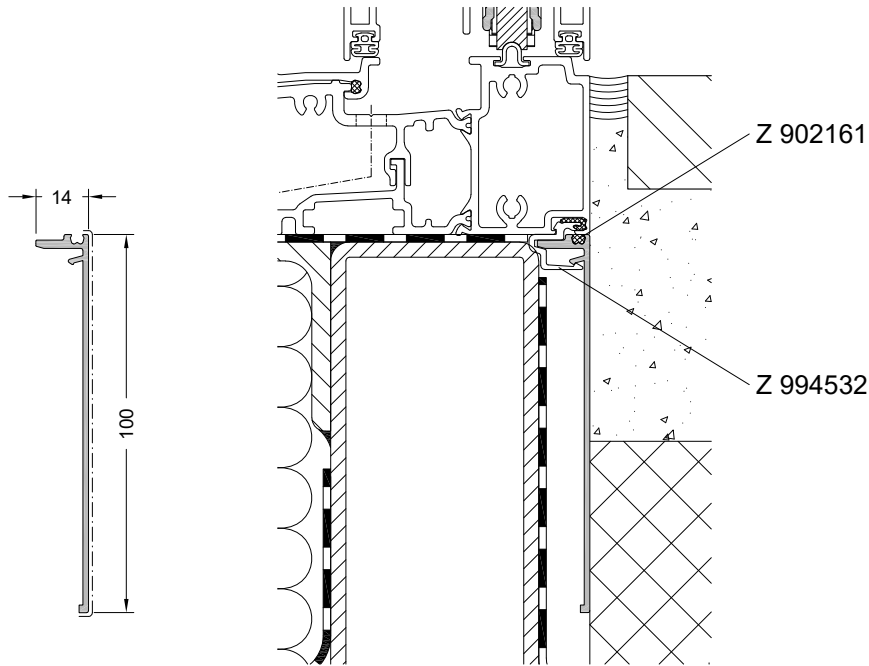
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 WANDANSCHLUSSPROFIL 40/14/-- WALL ATTACHMENT PROFILE 40/14/--	P 496151	6500	121	40	


Maßstab / Scale 1:2



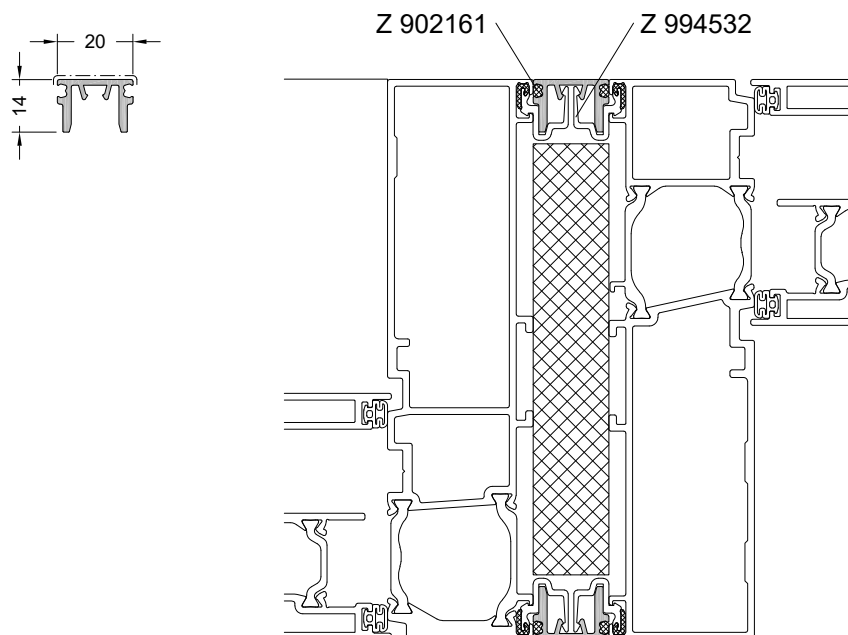
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			umlfd. / total	mech. / mech.
 WANDANSCHLUSSPROFIL 100/14/-- WALL ATTACHMENT PROFILE 100/14/--	P 496152	6500	241	100


Maßstab / Scale 1:2



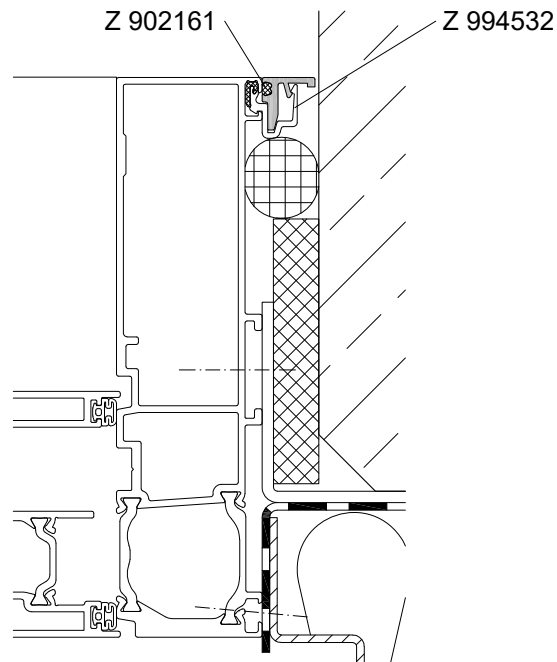
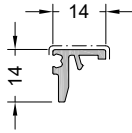
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			umlfd. / total	mech. / mech.
 VERBINDUNGSPROFIL 20/14/-- CONNECTING PROFILE 20/14/--	P 496156	6500	115	20


Maßstab / Scale 1:2



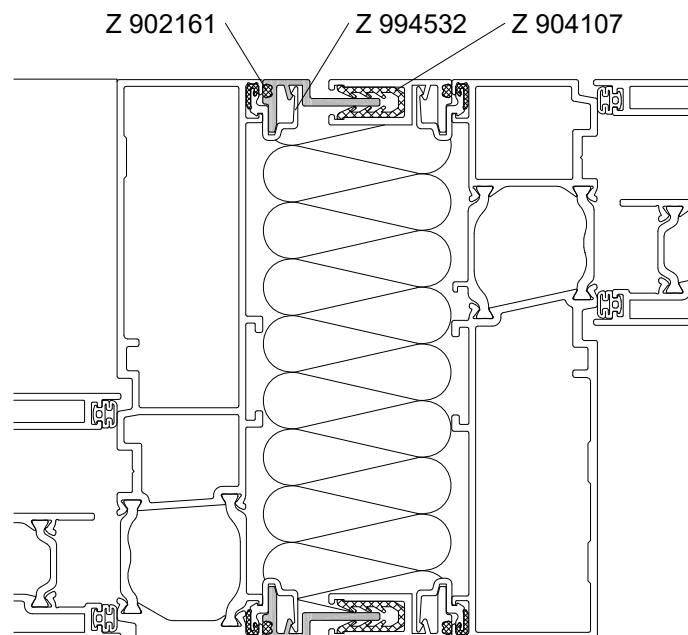
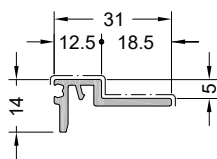
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			umfld. / total	mech. / mech.
 WANDANSCHLUSSPROFIL 14/14/-- WALL ATTACHMENT PROFILE 14/14/--	P 496157	6500	68	14


Maßstab / Scale 1:2



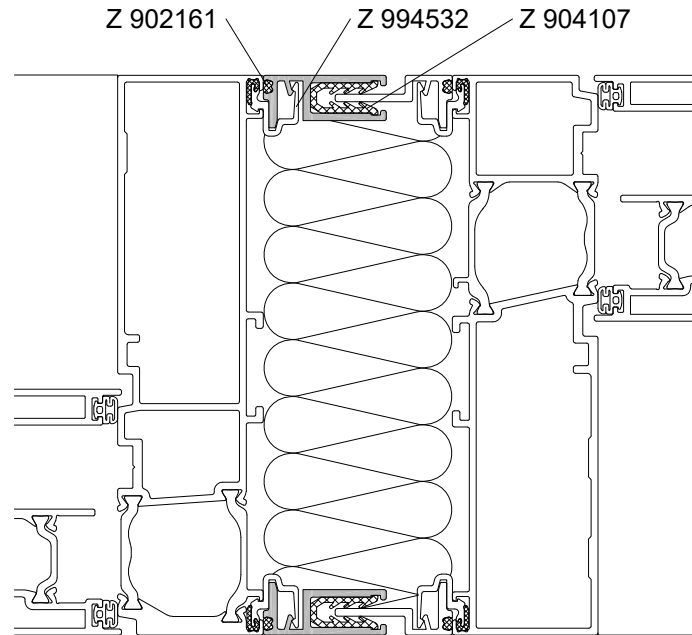
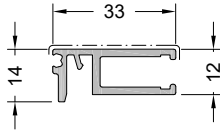
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
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 WANDANSCHLUSSPROFIL 31/14/5 WALL ATTACHMENT PROFILE 31/14/5	P 496154	6500	111	36


Maßstab / Scale 1:2



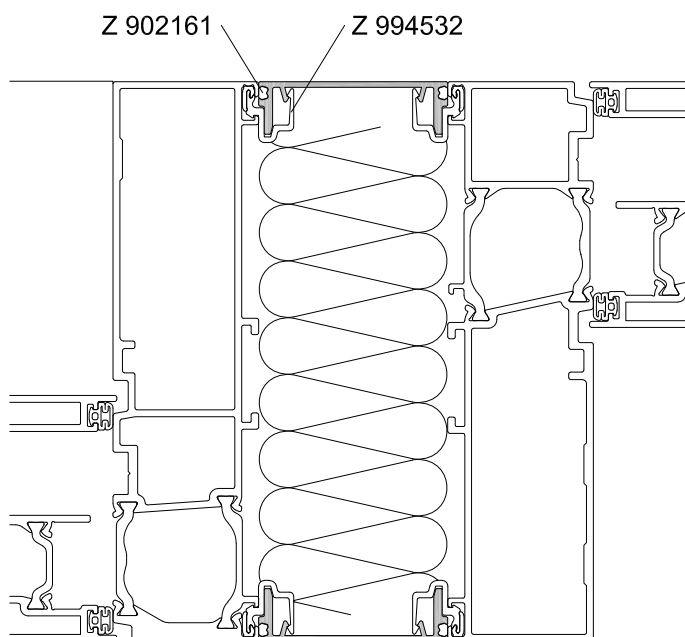
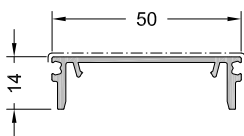
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
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 WANDANSCHLUSSPROFIL 33/14/12 WALL ATTACHMENT PROFILE 33/14/12	P 496155	6500	168	33


Maßstab / Scale 1:2



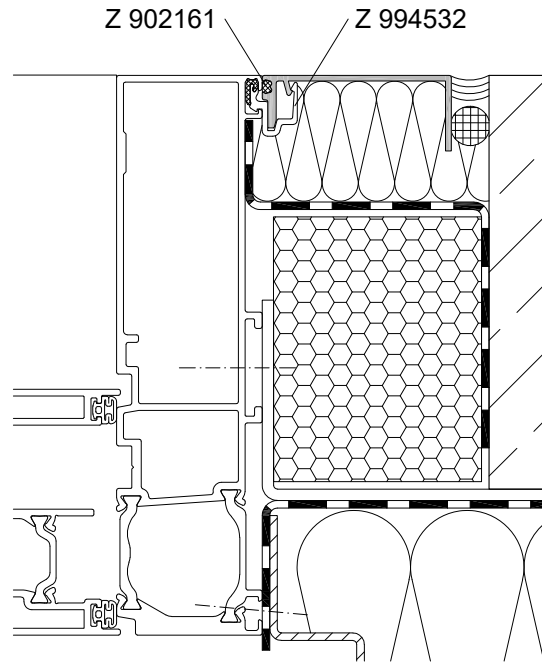
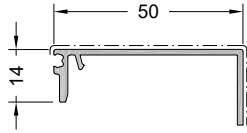
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 VERBINDUNGSPROFIL 50/14/14 CONNECTION PROFILE 50/14/14	P 496114	6500	175	50

Maßstab / Scale 1:2

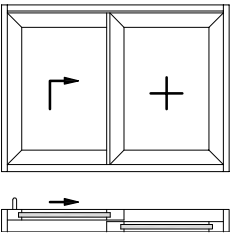
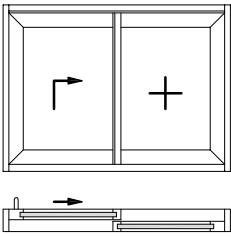
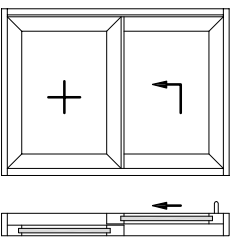
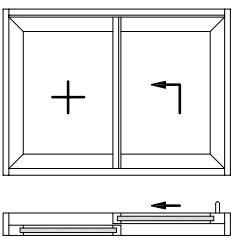
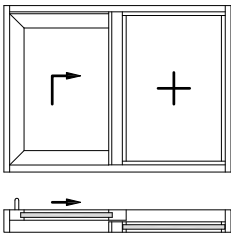
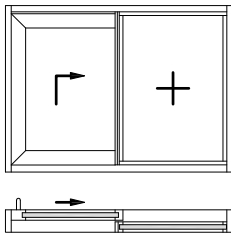
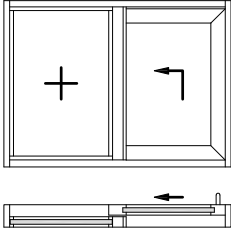
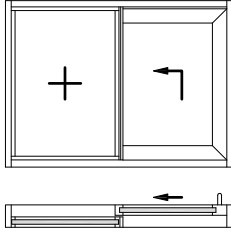
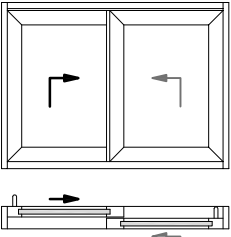
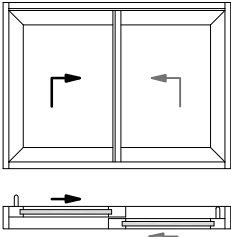
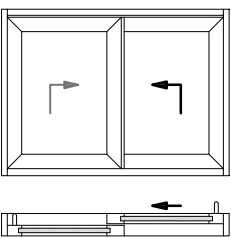
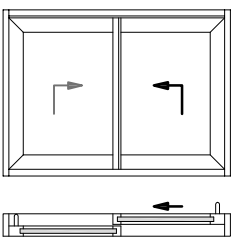


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
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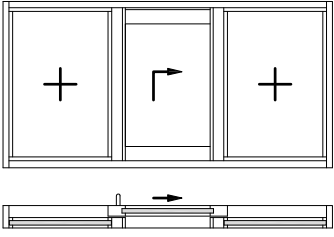
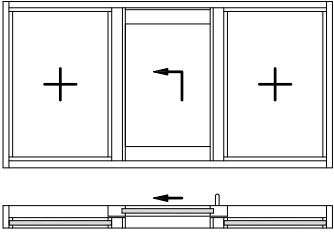
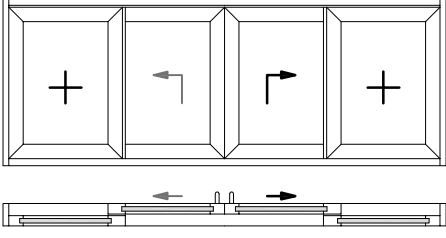
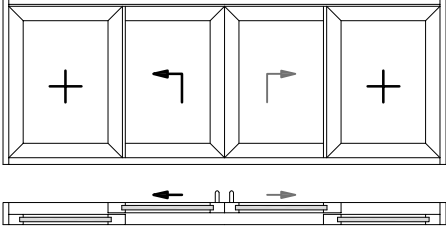
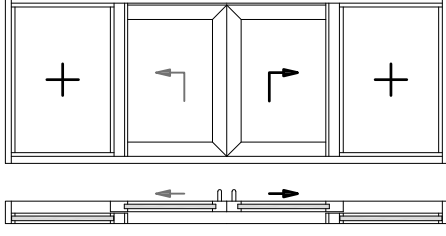
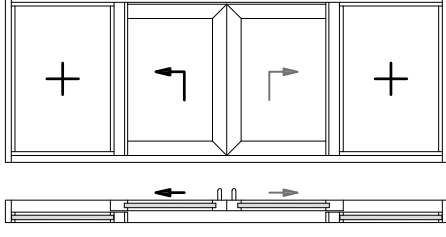
Maßstab / Scale 1:2



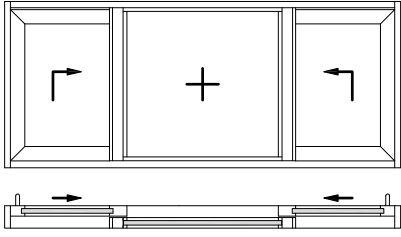
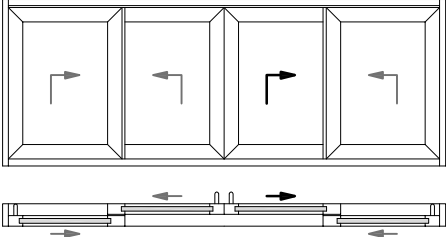
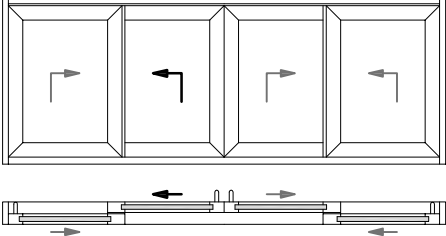
SCHEMA-ÜBERSICHT (ANSICHT VON AUSSEN)
OVERVIEW OF SCHEMES (VIEW FROM THE OUTSIDE)

Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description	Schnitte / Sections ab / from bis / to	
A1			2-spurige Anlage mit 2 Feldern Schiebeflügel links, Festflügel rechts Primärer Flügel nach links öffnend Double-tracked system with 2 fields Sliding sash left, fixed sash right Primary sash sliding to the left	A3-6	A3-13
A2			2-spurige Anlage mit 2 Feldern Schiebeflügel rechts, Festflügel links Primärer Flügel nach rechts öffnend Double-tracked system with 2 fields Sliding sash right, fixed sash left Primary sash sliding to the right	A3-14	A3-21
MA1			Monorail mit 2 Feldern Schiebeflügel links, Festfeld rechts Primärer Flügel nach links öffnend Monorail with 2 fields Sliding sash left, fixed field right Primary sash sliding to the left	A3-22	A3-31
MA2			Monorail mit 2 Feldern Schiebeflügel rechts, Festfeld links Primärer Flügel nach rechts öffnend Monorail with 2 fields Sliding sash right, fixed field left Primary sash sliding to the right	A3-32	A3-41
D1			2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach links öffnend Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the left	A3-42	A3-49
D2			2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach rechts öffnend Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the right	A3-50	A3-57

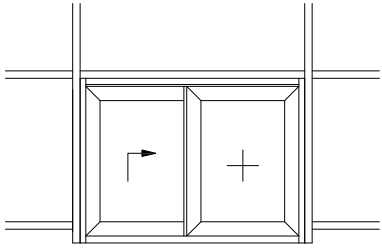
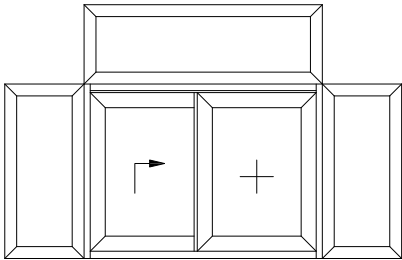
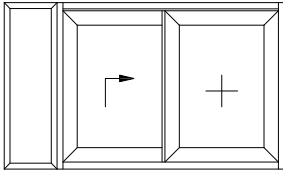
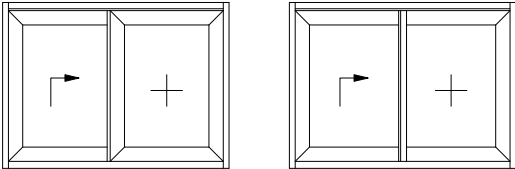
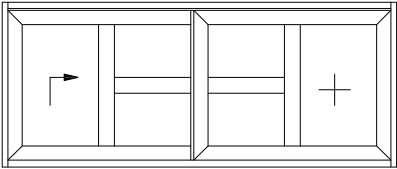
SCHEMA-ÜBERSICHT (ANSICHT VON AUSSEN)
OVERVIEW OF SCHEMES (VIEW FROM THE OUTSIDE)

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	Schnitte / Sections ab / from bis / to	
MG1		Monorail mit 3 Feldern Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach links öffnend Monorail with 3 fields Sliding sash in the middle 1 fixed field left and right each Primary sash sliding to the left	A3-58	A3-65
MG2		Monorail mit 3 Feldern Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach rechts öffnend Monorail with 3 fields Sliding sash in the middle 1 fixed field left and right each Primary sash sliding to the right	A3-66	A3-73
C1		2-spurige Anlage mit 4 Feldern 2 Schiebeflügel mittig je 1 Festflügel links und rechts Primärer Flügel nach links öffnend Double-tracked system with 4 fields 2 sliding sashes in the middle 1 fixed sash left and right each Primary sash sliding to the left	A3-74	A3-83
C2		2-spurige Anlage mit 4 Feldern 2 Schiebeflügel mittig je 1 Festflügel links und rechts Primärer Flügel nach rechts öffnend Double-tracked system with 4 fields 2 sliding sashes in the middle 1 fixed sash left and right each Primary sash sliding to the right	A3-74	A3-83
MC1		Monorail mit 4 Feldern 2 Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach links öffnend Monorail with 4 fields 2 sliding sashes in the middle 1 fixed field left and right each Primary sash sliding to the left	A3-84	A3-94
MC2		Monorail mit 4 Feldern 2 Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach rechts öffnend Monorail with 4 fields 2 sliding sashes in the middle 1 fixed field left and right each Primary sash sliding to the right	A3-84	A3-94

SCHEMA-ÜBERSICHT (ANSICHT VON AUSSEN)
 OVERVIEW OF SCHEMES (VIEW FROM THE OUTSIDE)

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	Schnitte / Sections ab / from bis / to	
MK		<p>Monorail mit 3 Feldern Schiebeflügel links und rechts Festfeld mittig Primärer Flügel nach links und rechts öffnend</p> <p>Monorail with 3 fields Sliding sashes left and right Fixed field in the middle Primary sash sliding to the left and right</p>	A3-96	A3-104
F1		<p>2-spurige Anlage mit 4 Feldern 4 Schiebeflügel Primärer Flügel mittig nach links öffnend</p> <p>Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the left</p>	A3-106	A3-115
F2		<p>2-spurige Anlage mit 4 Feldern 4 Schiebeflügel Primärer Flügel mittig nach rechts öffnend</p> <p>Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the right</p>	A3-106	A3-115

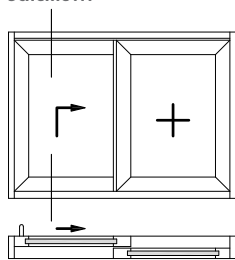
SONDERSCHNITTE
SPECIAL SECTIONS

Schema Scheme	Piktogramm Pictogram	Schnittbereiche Section areas	Schnitte / Sections ab / from bis / to	
Alle All		Fassadenanschluss Fascade connection	A3-116	A3-124
Alle All		Fensteranschluss Lambda WS 075 Window connection Lambda WS 075	A3-126	A3-130
Alle All		Seitenteil mit umlaufendem Adapterprofil Sideframe with circumferential adapter profile	A3-132	A3-133
Alle All		Statische Verstärkung Statcal reinforcement	A3-134	A3-139
Alle All		Sprosse Transom	A3-140	A3-141

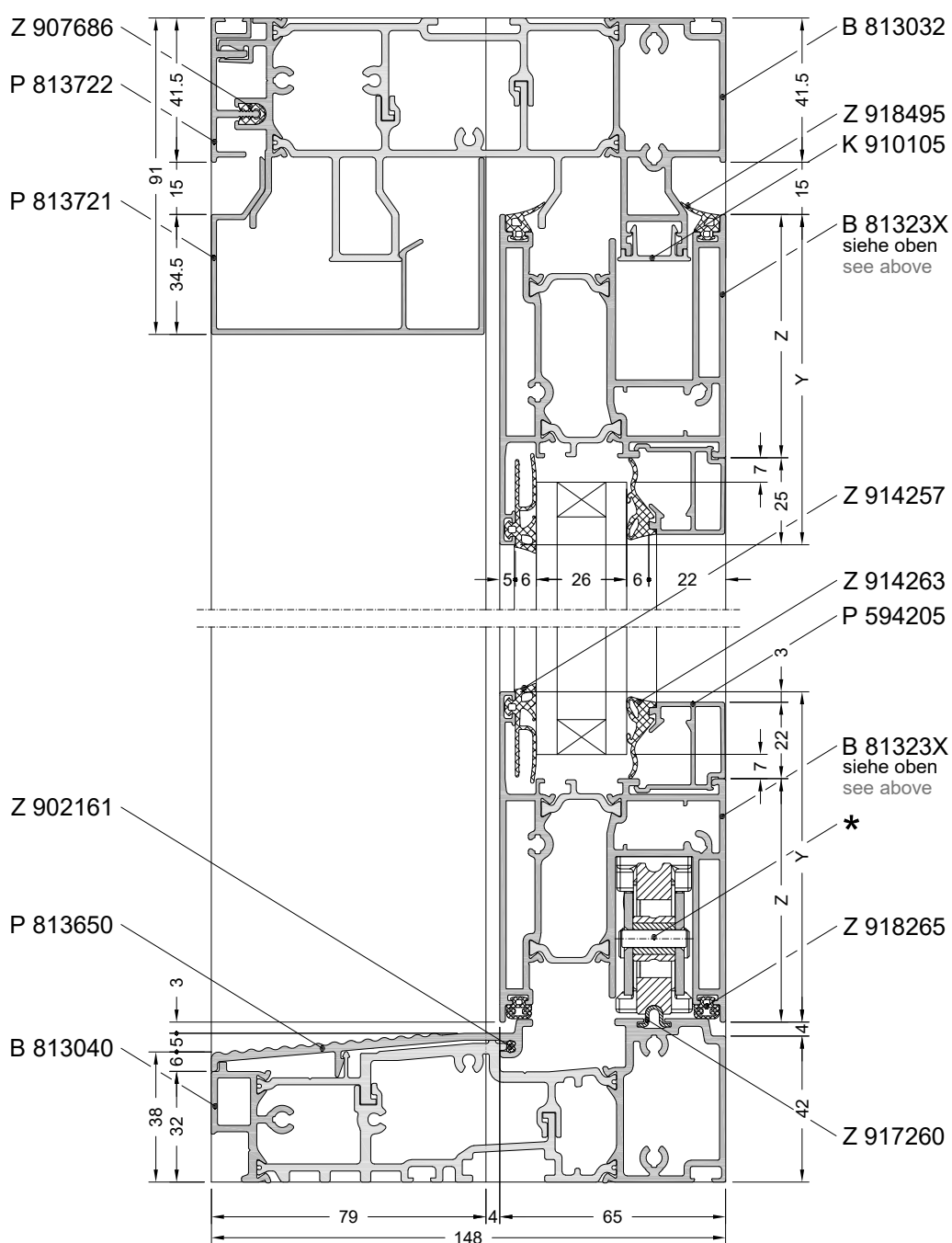
SCHEMA A1 - VERTIKALSCHNITT
SCHEME A1 - VERTICAL SECTION

Schema A1
Scheme A1

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓

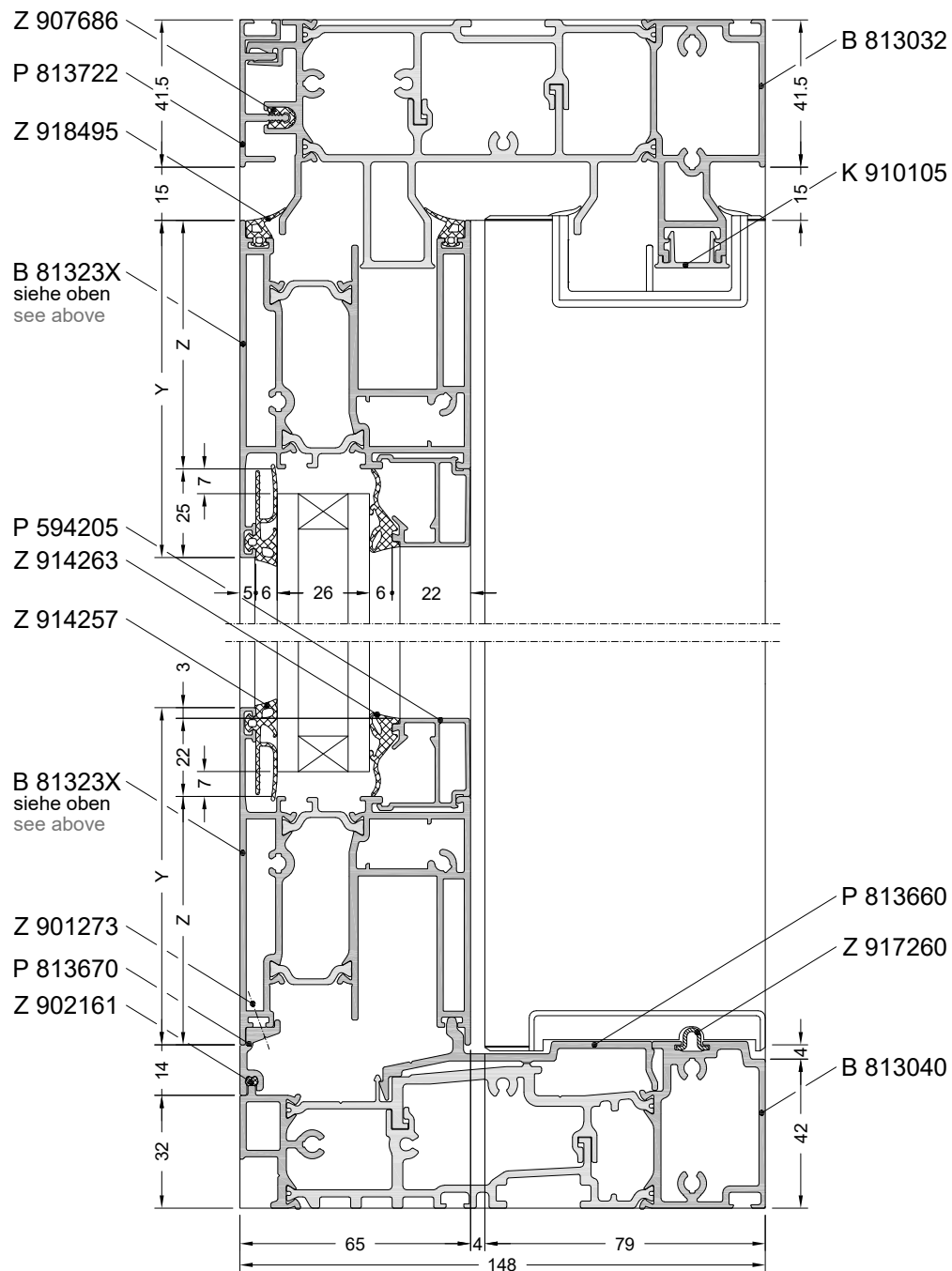
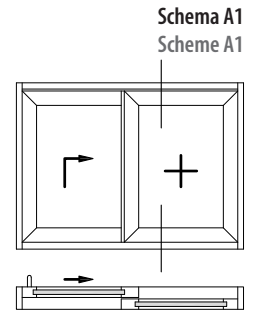


Artikel- und Systemzubehörtabellen siehe Seite A3-12 - A3-13
Article- and system accessories tables see page A3-12 - A3-13

SCHEMA A1 - VERTIKALSCHNITT
SCHEMA A1 - VERTICAL SECTION

Maßstab/Scale 1:2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible

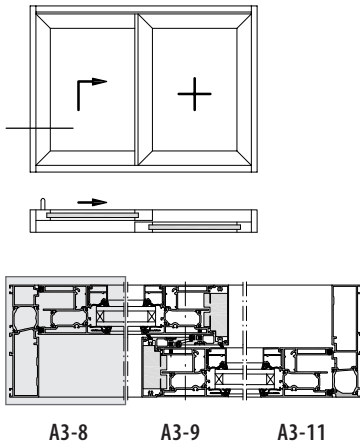


Artikel- und Systemzubehörtabellen siehe Seite A3-12 - A3-13
Article- and system accessories tables see page A3-12 - A3-13

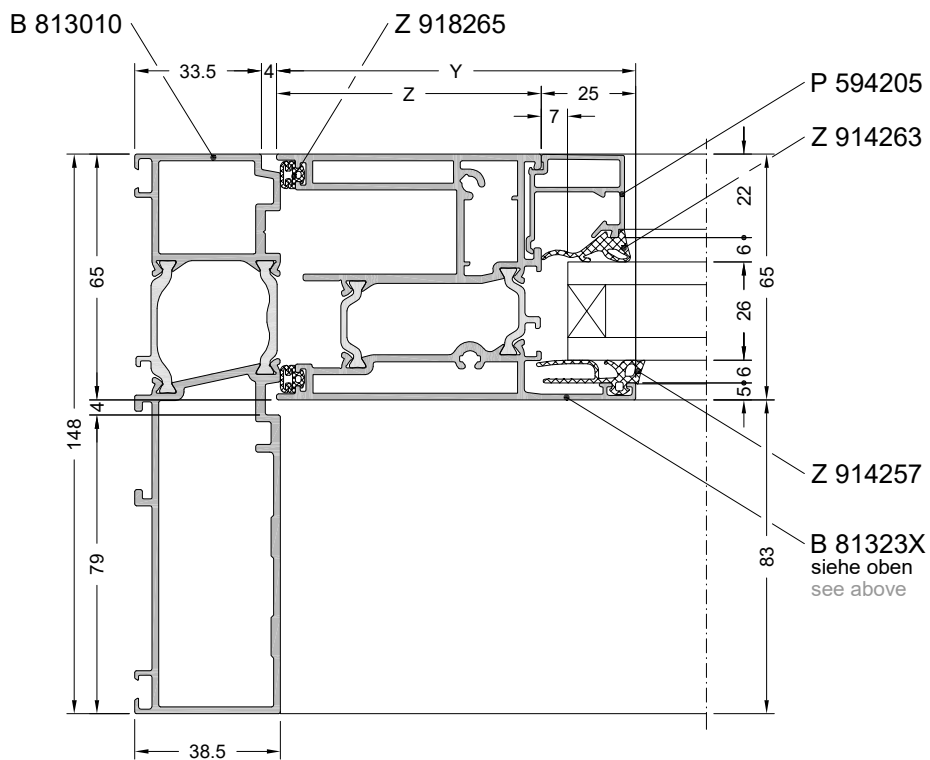
SCHEMA A1 - HORIZONTALSCHNITT
SCHEME A1 - HORIZONTAL SECTION

Schema A1
Scheme A1

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



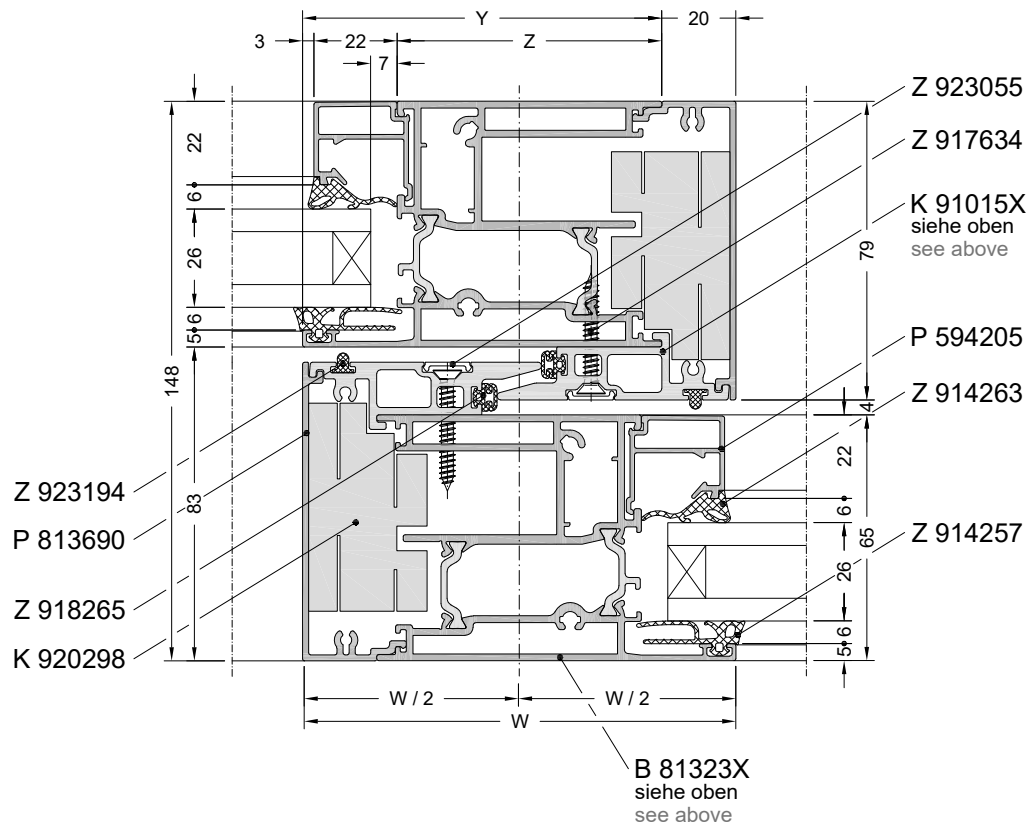
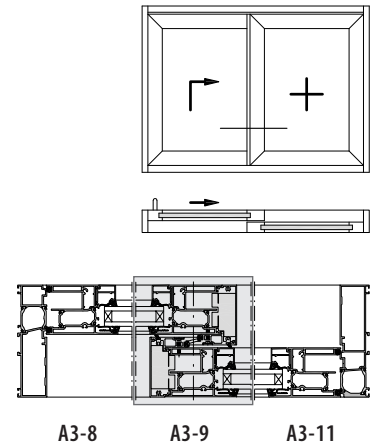
Artikel- und Systemzubehörtabellen siehe Seite A3-12 - A3-13
Article- and system accessories tables see page A3-12 - A3-13

SCHEMA A1 - HORIZONTALSCHNITT - BREITES LABYRINTH
SCHEMA A1 - HORIZONTAL SECTION - WIDE LABYRINTH

Maßstab / Scale 1:2

Schema A1
Scheme A1

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58	schubweich flexible	103	51,5	K 910153
B 813234	95	70	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70	schubweich flexible	115	57,5	K 910154

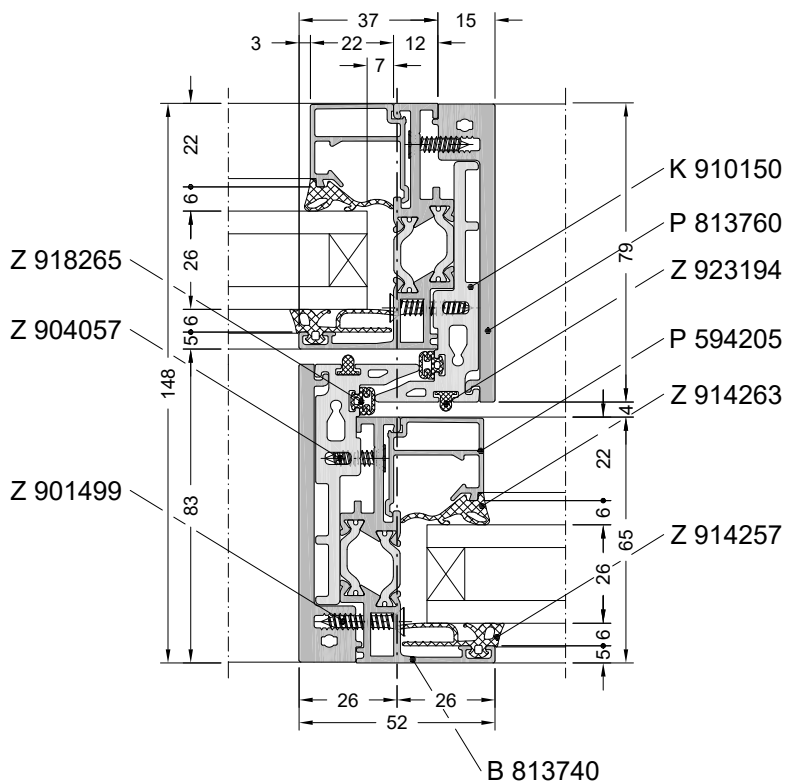
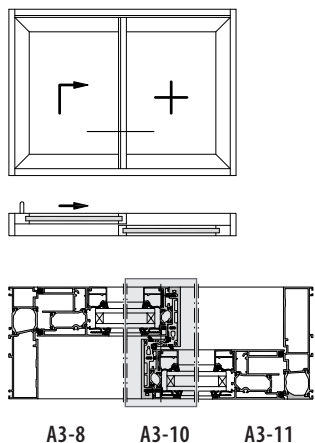


Artikel- und Systemzubehörtabellen siehe Seite A3-12
Article- and system accessories tables see page A3-12

SCHEMA A1 - HORIZONTALSCHNITT - SCHMALES LABYRINTH
SCHEME A1 - HORIZONTAL SECTION - NARROW LABYRINTH

Schema A1
Scheme A1

Maßstab / Scale 1:2



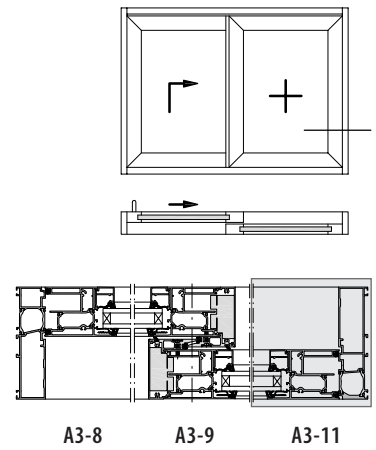
Artikel- und Systemzubehörtabellen siehe Seite A3-13
Article- and system accessories tables see page A3-13

SCHEMA A1 - HORIZONTALSCHNITT
SCHEMA A1 - HORIZONTAL SECTION

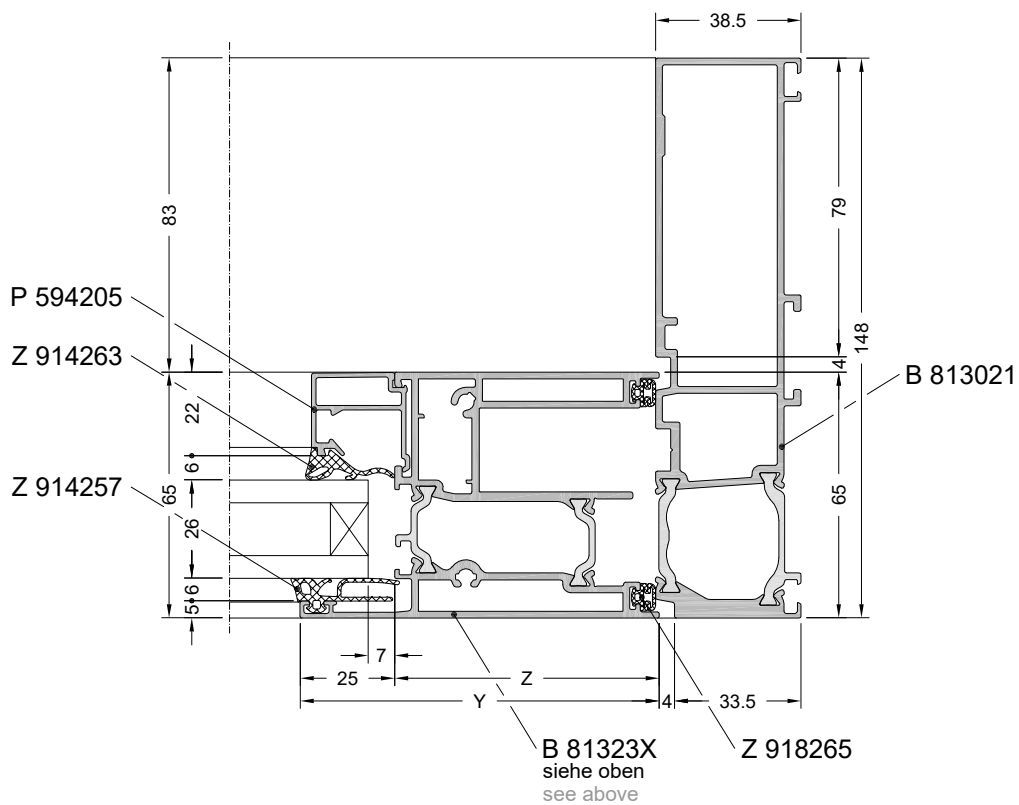
Maßstab / Scale 1:2

Schema A1
Scheme A1

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



A3
Profilschnitte
Profile sections




Artikel- und Systemzubehörtabellen siehe Seite A3-12 - A3-13
Article- and system accessories tables see page A3-12 - A3-13

SCHEMA A1 - TABELLEN - BREITES LABYRINTH
SCHEME A1 - TABLES - WIDE LABYRINTH

	BLENDRAHMEN OBEN 146/41.5/60.5 FIXED FRAME TOP 146/41.5/60.5	Art. Nr. / Art. no. B 813032
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	in Kombi in Combination	10x Z 923094


	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES





Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	in Kombi in Combination	10x Z 923094


	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500

	BLENDRAHMEN SEITLICH 148/38.5/33.5 FIXED FRAME LATERAL 148/38.5/33.5	Art. Nr. / Art. no. B 813021
Lieferlänge (mm) / Stock length (mm)		6500





	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	

	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910153
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 22 mm Glazing bead 22 mm	Lieferlänge / Stock length 6500 mm	P 594205
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813660
Zusatzprofil Supplementary profile	Lieferlänge / Stock length 6500 mm	P 813670
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813721
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813722
Schraube 3.9 x 13 Screw 3.9 x 13	in Kombi in Combi.	Z 901273
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Klemmdichtung Clamp gasket	100 m	Z 907686
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194


Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

SCHEMA A1 - TABELLEN - SCHMALES LABYRINTH
SCHEME A1 - TABLES - NARROW LABYRINTH

	BLENDRAHMEN OBEN 146/41.5/60.5 FIXED FRAME TOP 146/41.5/60.5	Art. Nr. / Art. no. B 813032
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	in Kombi in Combination	10x Z 923094


	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES





Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	in Kombi in Combination	10x Z 923094


	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500

	BLENDRAHMEN SEITLICH 148/38.5/33.5 FIXED FRAME LATERAL 148/38.5/33.5	Art. Nr. / Art. no. B 813021
Lieferlänge (mm) / Stock length (mm)		6500





	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	

	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

	SCHIEBEFLÜGEL 65/12/37 SLIDING SASH 65/12/37	Art. Nr. / Art. no. B 813740
Lieferlänge (mm) / Stock length (mm)		6500

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

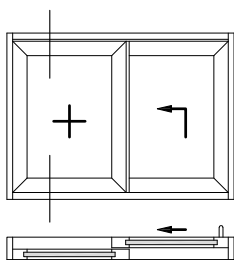
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Labyrinth profile, plastic	Lieferlänge / Stock length 6500 mm	K 910150
Glasleiste 22 mm Glazing bead 22 mm	Lieferlänge / Stock length 6500 mm	P 594205
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813660
Zusatzprofil Supplementary profile	Lieferlänge / Stock length 6500 mm	P 813670
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813721
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813722
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813760
Schraube 3.9 x 13 Screw 3.9 x 13	in Kombi in Combi.	Z 901273
Schraube 4.2 x 22 Screw 4.2 x 22	in Kombi in Combi.	Z 901499
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Schraube 4.2 x 16 Screw 4.2 x 16	in Kombi in Combi.	Z 904057
Klemmdichtung Clamp gasket	100 m	Z 907686
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

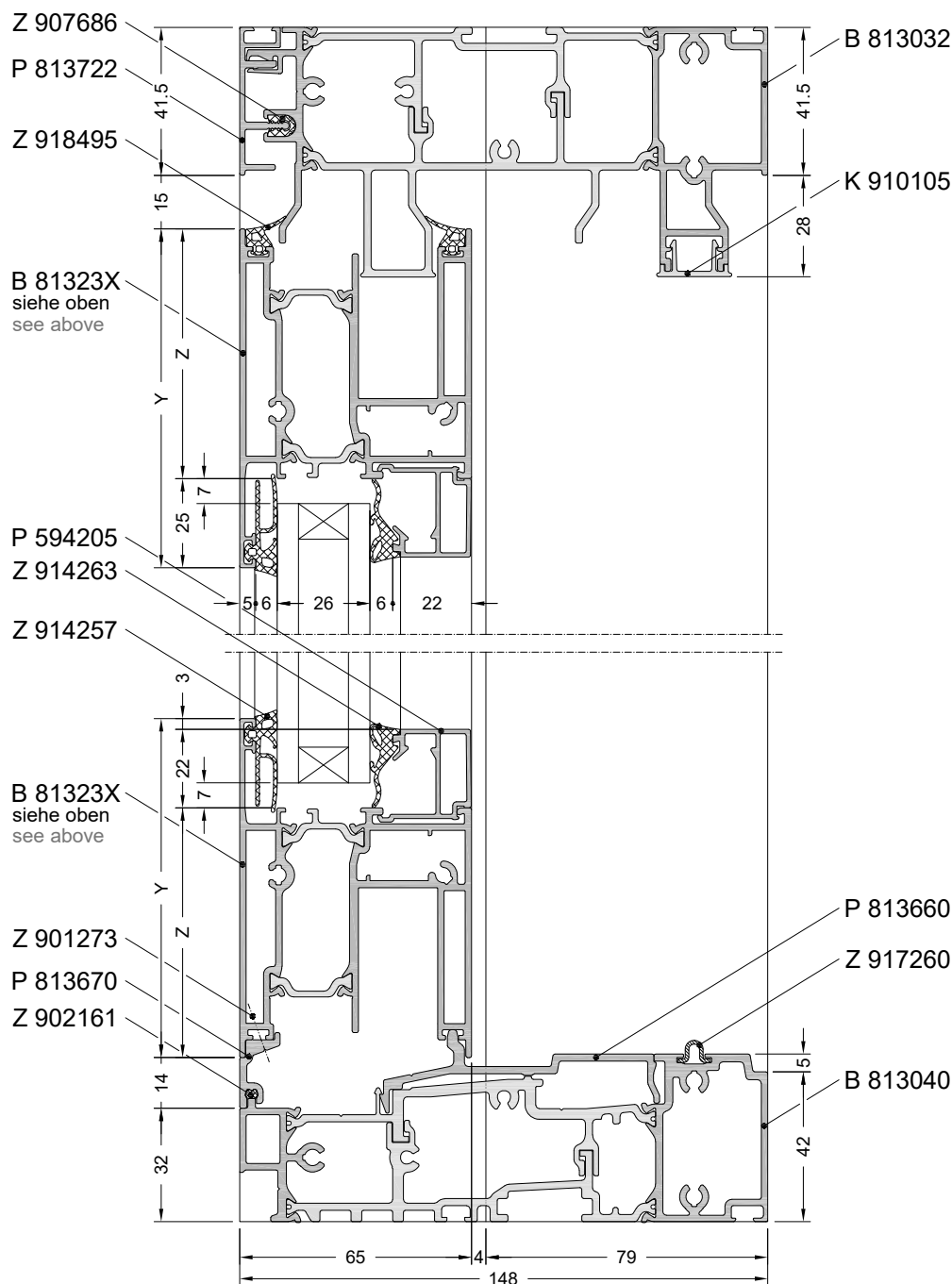
SCHEMA A2 - VERTIKALSCHNITT
SCHEME A2 - VERTICAL SECTION

Schema A2
Scheme A2

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible

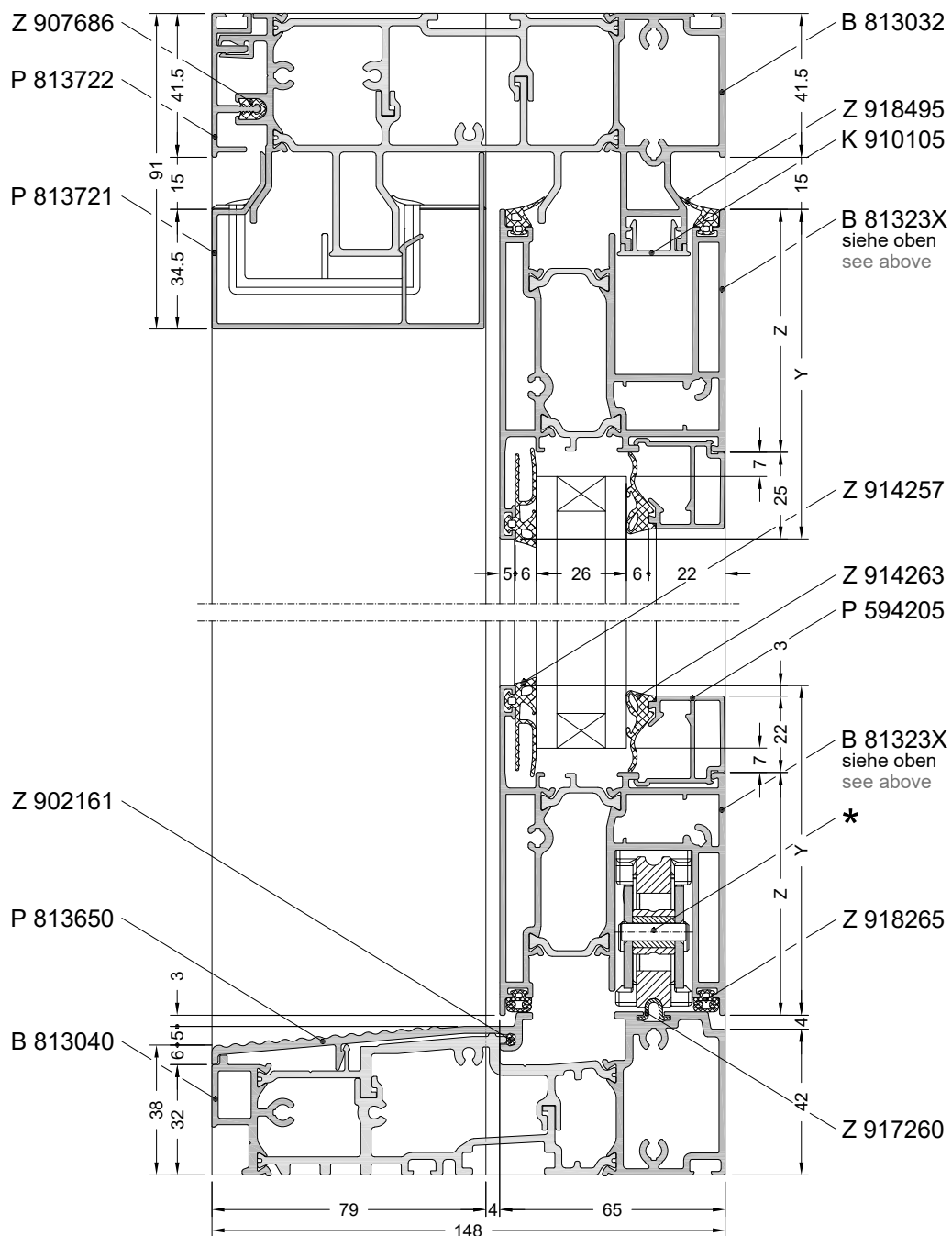
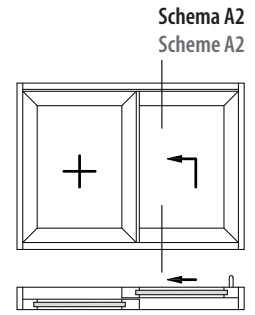


Artikel- und Systemzubehörtabellen siehe Seite A3-20 - A3-21
Article- and system accessories tables see page A3-20- A3-21

SCHEMA A2 - VERTIKALSCHNITT
SCHEMA A2 - VERTICAL SECTION

Maßstab/Scale 1:2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓

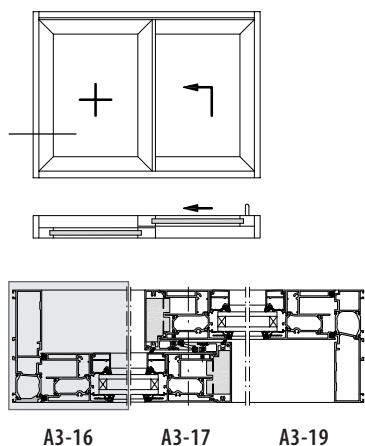


Artikel- und Systemzubehörtabellen siehe Seite A3-20 - A3-21
Article- and system accessories tables see page A3-20 - A3-21

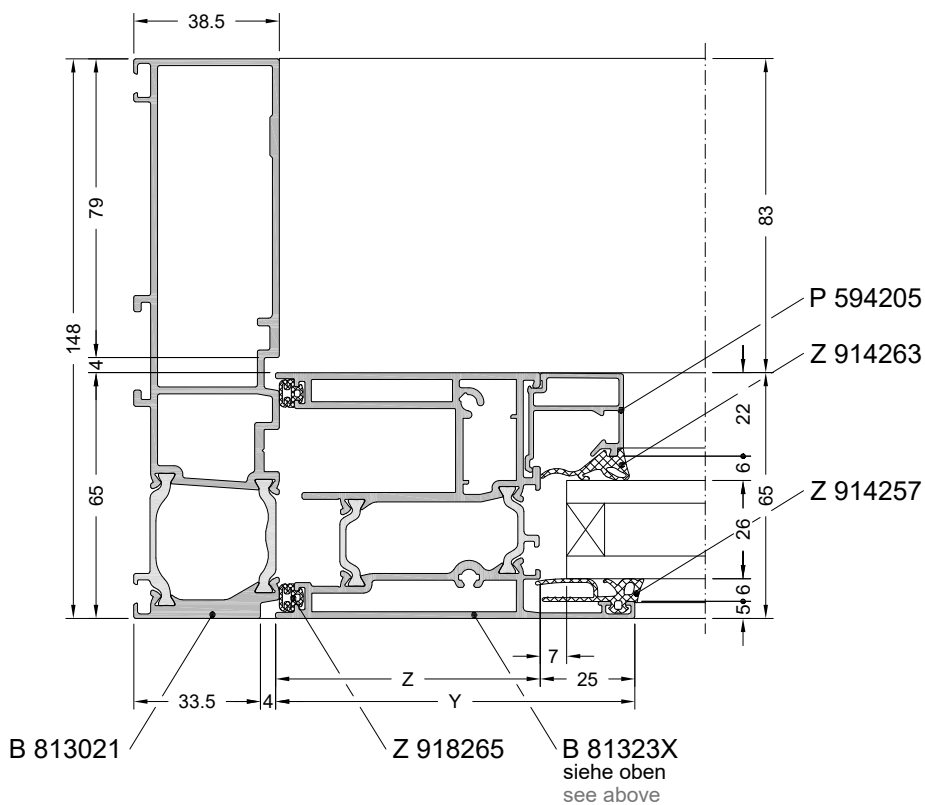
SCHEMA A2 - HORIZONTALSCHNITT 1
SCHEME A2 - HORIZONTAL SECTION 1

Schema A2
Scheme A2

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



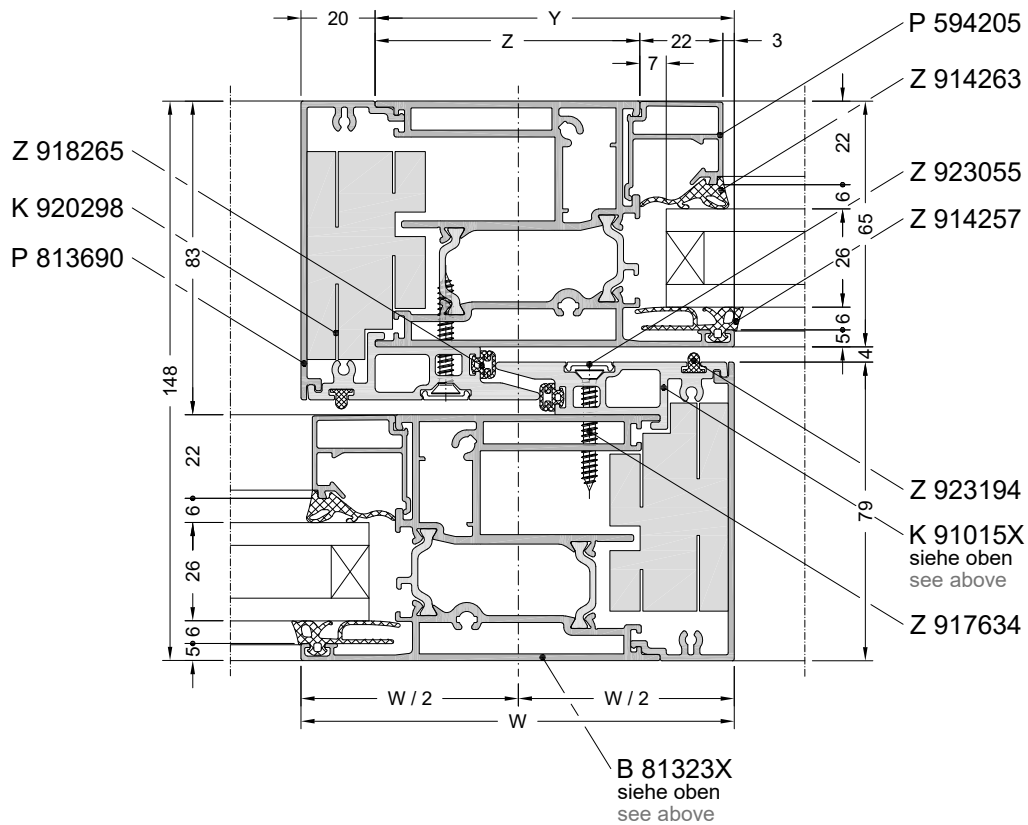
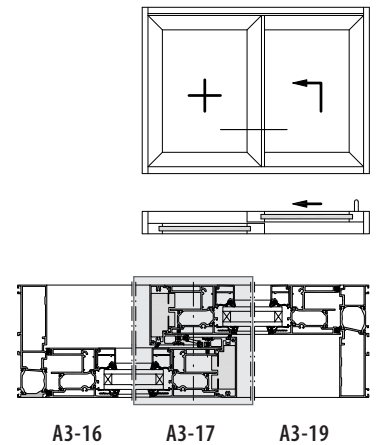
Artikel- und Systemzubehörtabellen siehe Seite A3-20 - A3-21
Article- and system accessories tables see page A3-20- A3-21

SCHEMA A2 - HORIZONTALSCHNITT 2 - BREITES LABYRINTH
SCHEME A2 - HORIZONTAL SECTION 2 - WIDE LABYRINTH

Maßstab / Scale 1:2

Schema A2
Scheme A2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58	schubweich flexible	103	51,5	K 910153
B 813234	95	70	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70	schubweich flexible	115	57,5	K 910154

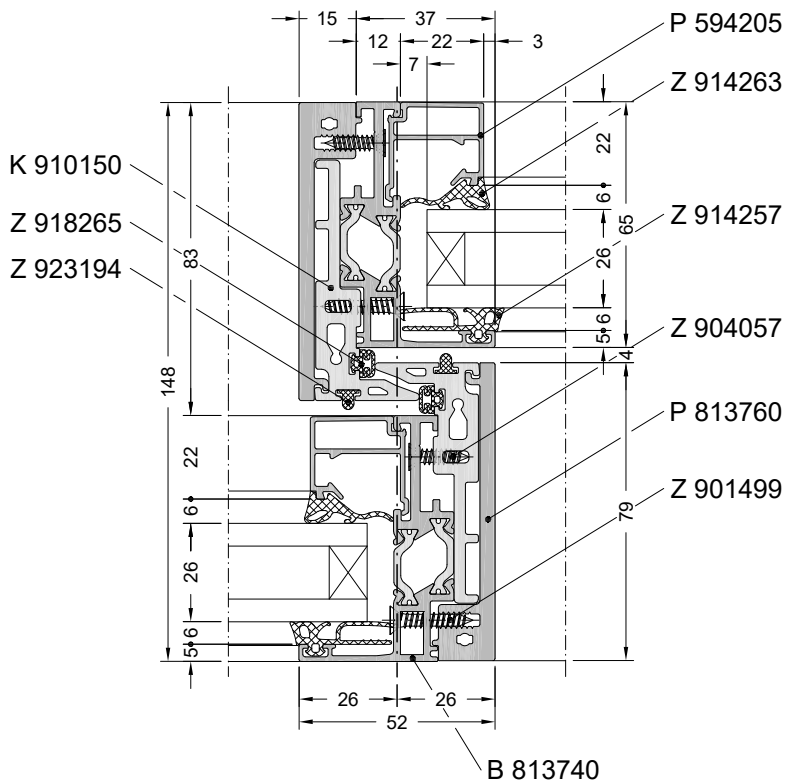
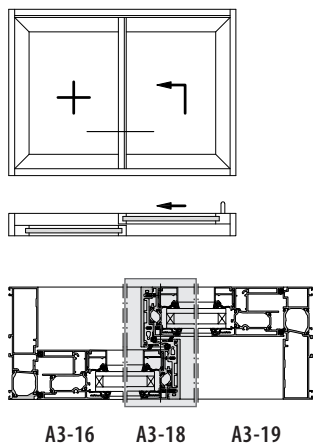


Artikel- und Systemzubehörtabellen siehe Seite A3-20
Article- and system accessories tables see page A3-20

SCHEMA A2 - HORIZONTALSCHNITT 2 - SCHMALES LABYRINTH
SCHEME A2 - HORIZONTAL SECTION 2 - NARROW LABYRINTH

Schema A2
Scheme A2

Maßstab / Scale 1:2



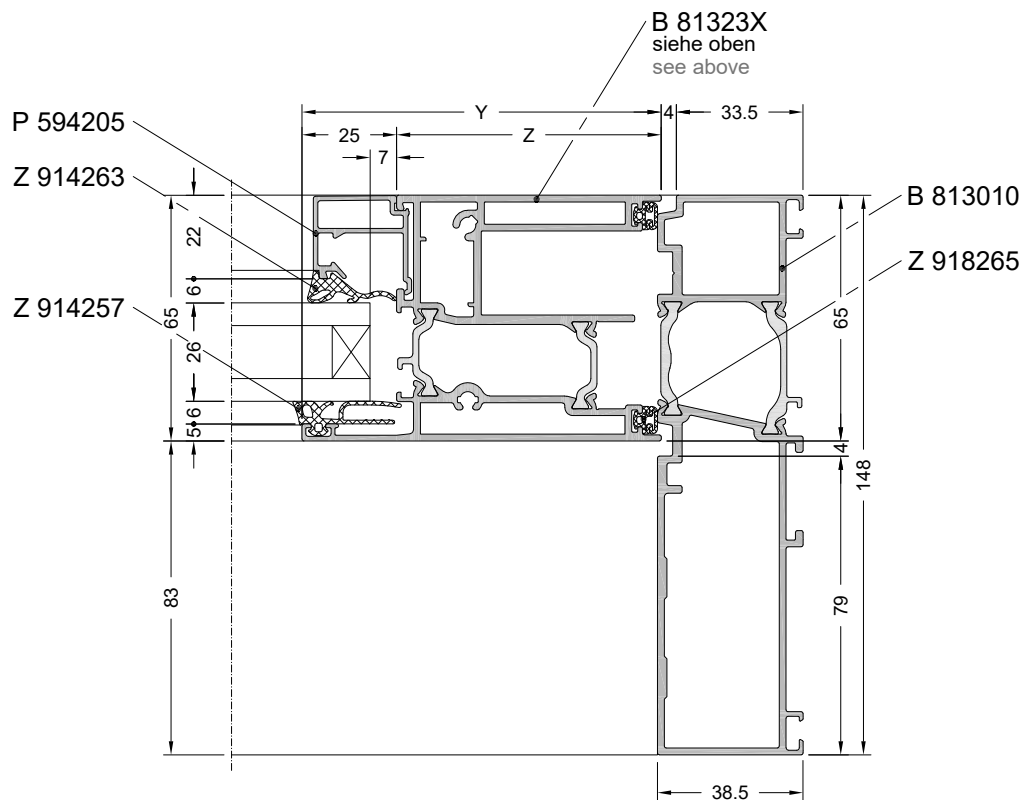
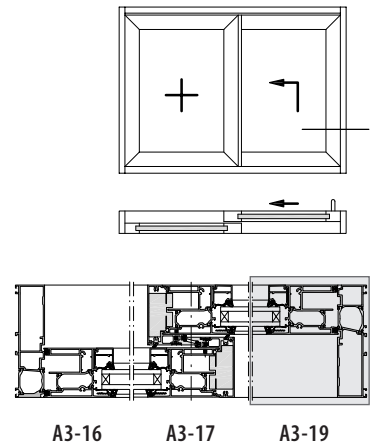
Artikel- und Systemzubehörtabellen siehe Seite A3-21
Article- and system accessories tables see page A3-21

SCHEMA A2 - HORIZONTALSCHNITT 3
SCHEMA A2 - HORIZONTAL SECTION 3

Maßstab / Scale 1:2

Schema A2
Scheme A2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible




Artikel- und Systemzubehörtabellen siehe Seite A3-20 - A3-21
Article- and system accessories tables see page A3-20 - A3-21


SCHEMA A2 - TABELLEN - BREITES LABYRINTH
SCHEMA A2 - TABLES - WIDE LABYRINTH


	BLENDRAHMEN OBEN 146/41.5/60.5 FIXED FRAME TOP 146/41.5/60.5	Art. Nr. / Art. no. B 813032
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	in Kombi in Combination	10x Z 923094





	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	in Kombi in Combination	10x Z 923094





	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500

	BLENDRAHMEN SEITLICH 148/38.5/33.5 FIXED FRAME LATERAL 148/38.5/33.5	Art. Nr. / Art. no. B 813021
Lieferlänge (mm) / Stock length (mm)		6500

	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	

	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910153
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 22 mm Glazing bead 22 mm	Lieferlänge / Stock length 6500 mm	P 594205
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813660
Zusatzprofil Supplementary profile	Lieferlänge / Stock length 6500 mm	P 813670
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813721
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813722
Schraube 3.9 x 13 Screw 3.9 x 13	in Kombi in Combi.	Z 901273
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Klemmdichtung Clamp gasket	100 m	Z 907686
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194


Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

SCHEMA A2 - TABELLEN - SCHMALES LABYRINTH
SCHEME A2 - TABLES - NARROW LABYRINTH

	BLENDRAHMEN OBEN 146/41.5/60.5 FIXED FRAME TOP 146/41.5/60.5	Art. Nr. / Art. no. B 813032
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	in Kombi in Combination	10x Z 923094


	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES





Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	in Kombi in Combination	10x Z 923094


	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500

	BLENDRAHMEN SEITLICH 148/38.5/33.5 FIXED FRAME LATERAL 148/38.5/33.5	Art. Nr. / Art. no. B 813021
Lieferlänge (mm) / Stock length (mm)		6500





	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	

	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

	SCHIEBEFLÜGEL 65/12/37 SLIDING SASH 65/12/37	Art. Nr. / Art. no. B 813740
Lieferlänge (mm) / Stock length (mm)		6500

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

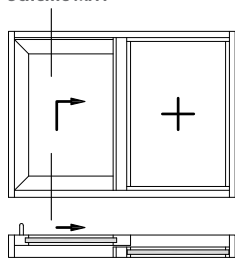
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Labyrinth profile, plastic	Lieferlänge / Stock length 6500 mm	K 910150
Glasleiste 22 mm Glazing bead 22 mm	Lieferlänge / Stock length 6500 mm	P 594205
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813660
Zusatzprofil Supplementary profile	Lieferlänge / Stock length 6500 mm	P 813670
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813721
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813722
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813760
Schraube 3.9 x 13 Screw 3.9 x 13	in Kombi in Combi.	Z 901273
Schraube 4.2 x 22 Screw 4.2 x 22	in Kombi in Combi.	Z 901499
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Schraube 4.2 x 16 Screw 4.2 x 16	in Kombi in Combi.	Z 904057
Klemmdichtung Clamp gasket	100 m	Z 907686
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

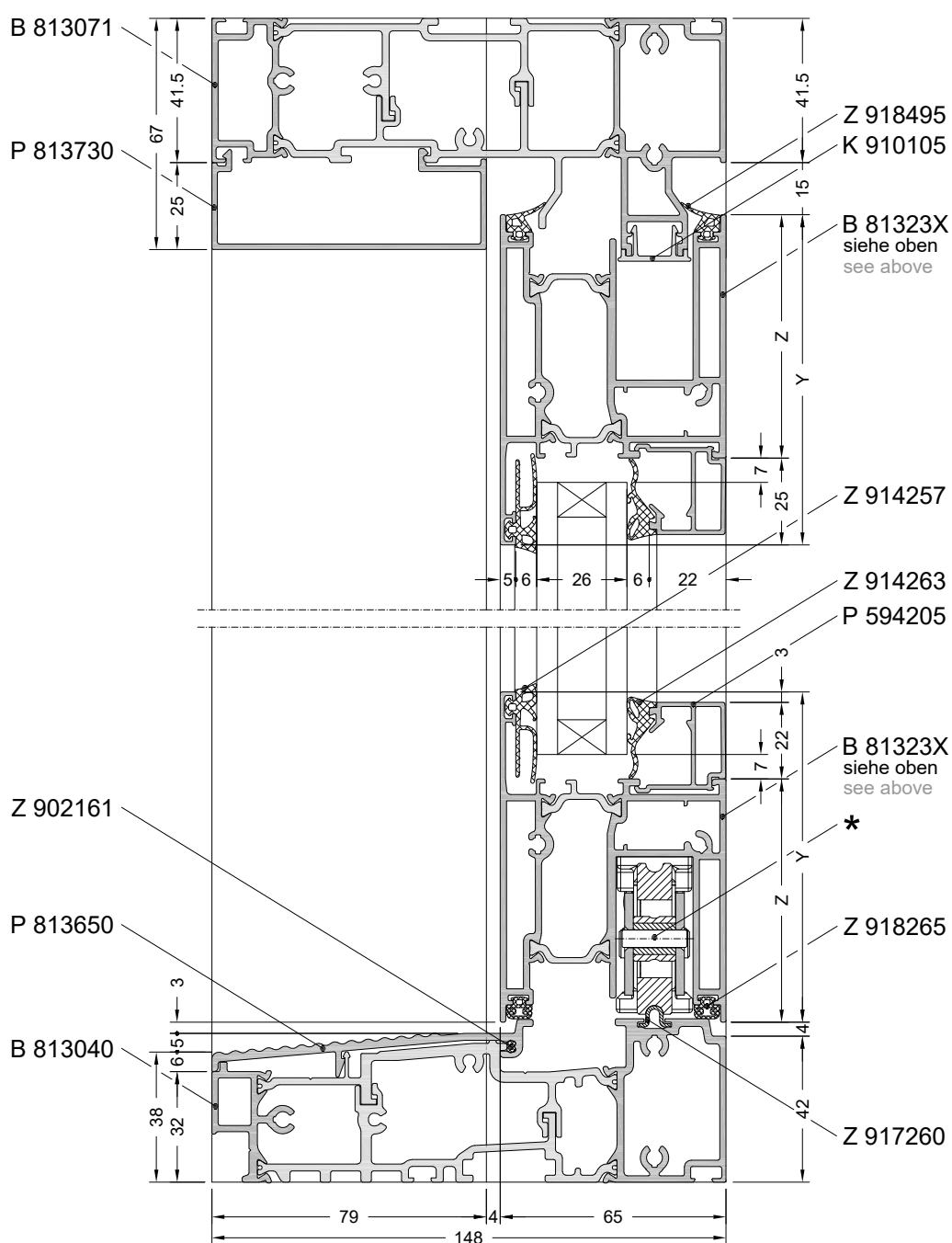
SCHEMA MA1 - VERTIKALSCHNITT
SCHEME MA1 - VERTICAL SECTION

Schema MA1
Scheme MA1

Maßstab/Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓

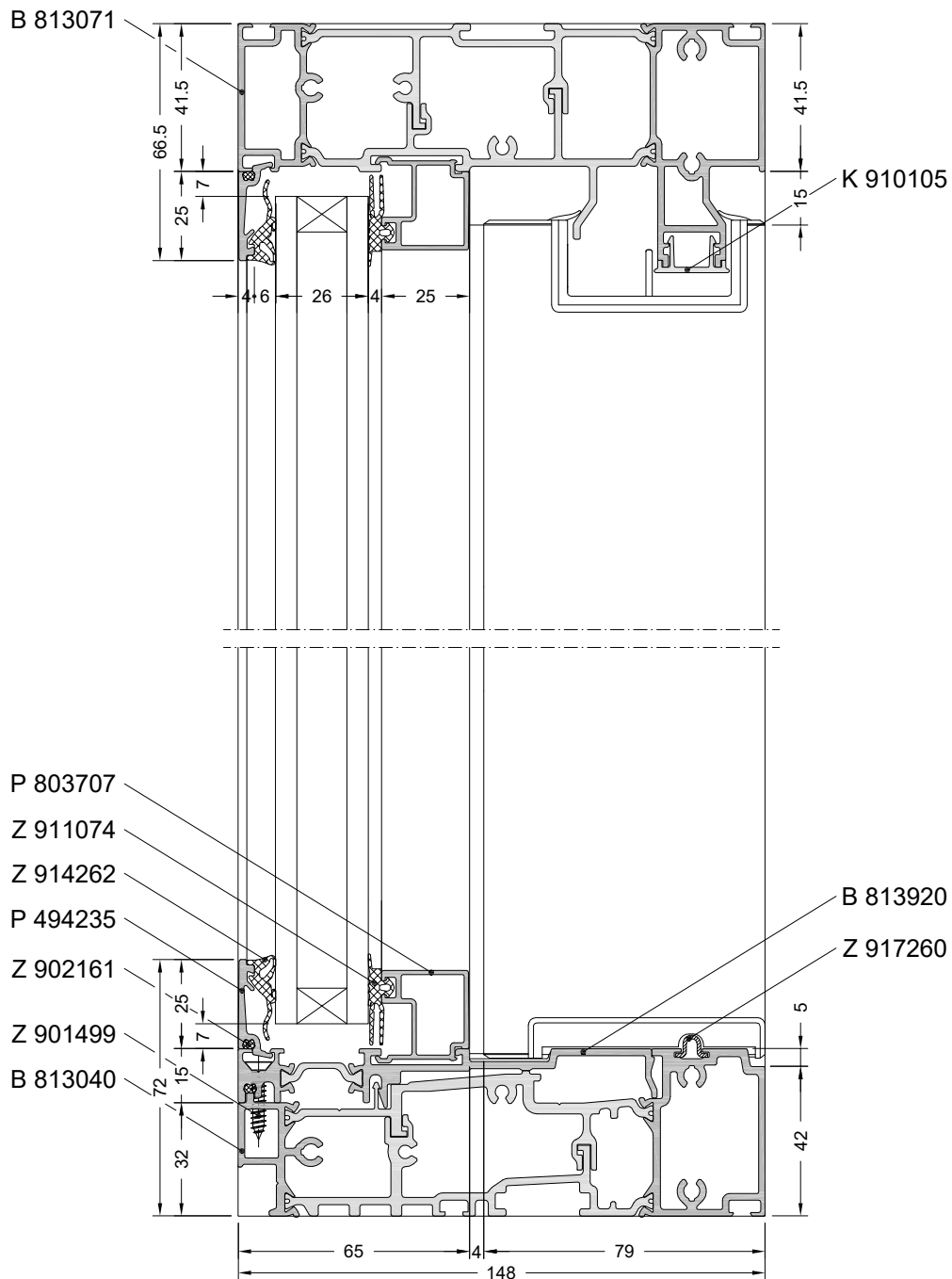
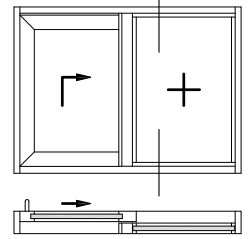


Artikel- und Systemzubehörtabellen siehe Seite A3-28/29 - A3-30/31
Article- and sytem accessories tables see page A3-28/29 - A3-30/31

SCHEMA MA1 - VERTIKALSCHNITT
SCHEME MA1 - VERTICAL SECTION

Maßstab/Scale 1:2

Schema MA1
Scheme MA1

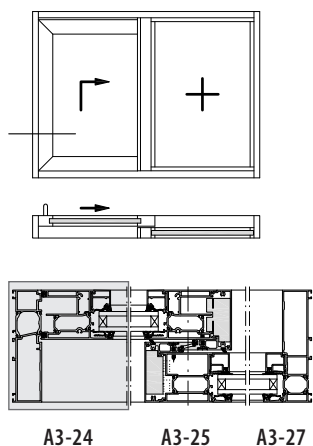


Artikel- und Systemzubehörtabellen siehe Seite A3-28/29 - A3-30/31
Article- and system accessories tables see page A3-28/29 - A3-30/31

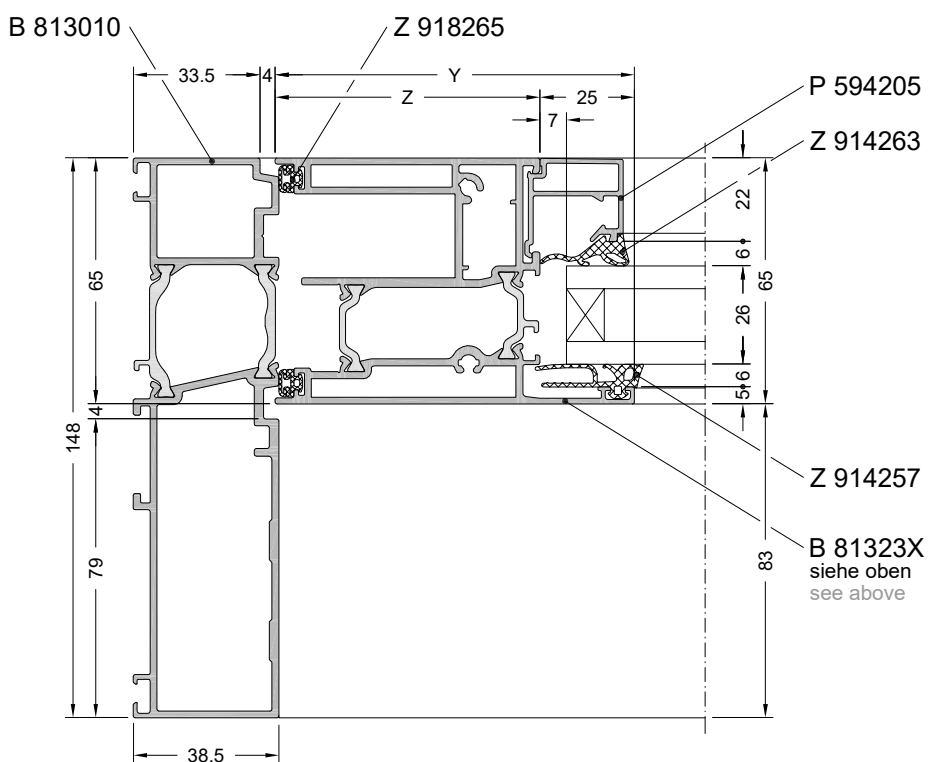
SCHEMA MA1 - HORIZONTALSCHNITT
SCHEME MA1 - HORIZONTAL SECTION

Schema MA1
Scheme MA1

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



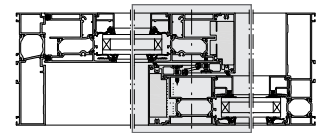
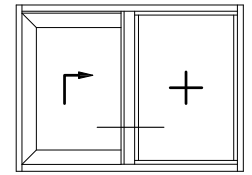
Artikel- und Systemzubehörtabellen siehe Seite A3-28/29 - A3-30/31
Article- and system accessories tables see page A3-28/29 - A3-30/31

SCHEMA MA1 - HORIZONTALSCHNITT - BREITES LABYRINTH
SCHEME MA1 - HORIZONTAL SECTION - WIDE LABYRINTH

Maßstab / Scale 1:2

Schema MA1
Scheme MA1

Schiebeflügel Sliding sash	Y	Z	Pfosten Mullion profile	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	B 813100	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58		schubweich flexible	103	51,5	K 910153
B 813234	95	70	B 813110	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70		schubweich flexible	115	57,5	K 910154



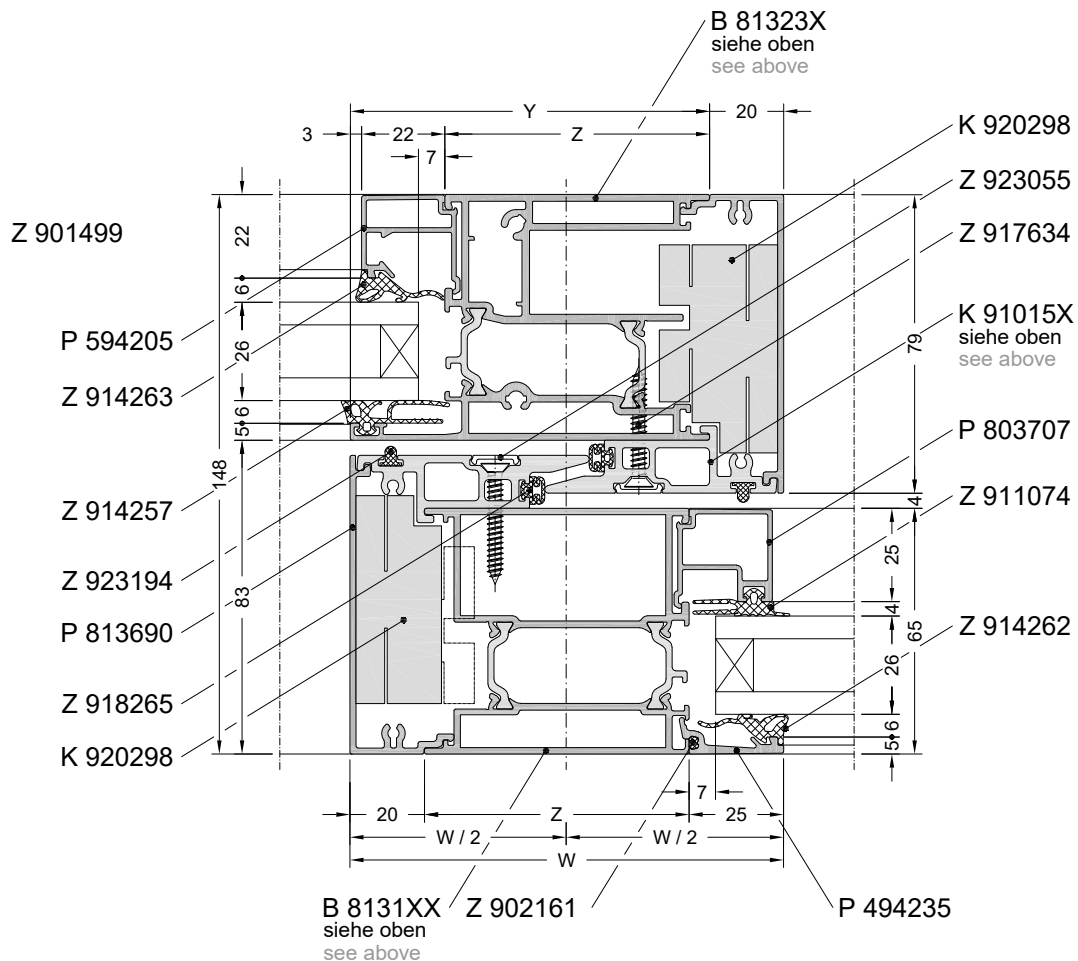
A3-24

A3-25

A3-27

Profilschnitte
Profile sections

A3

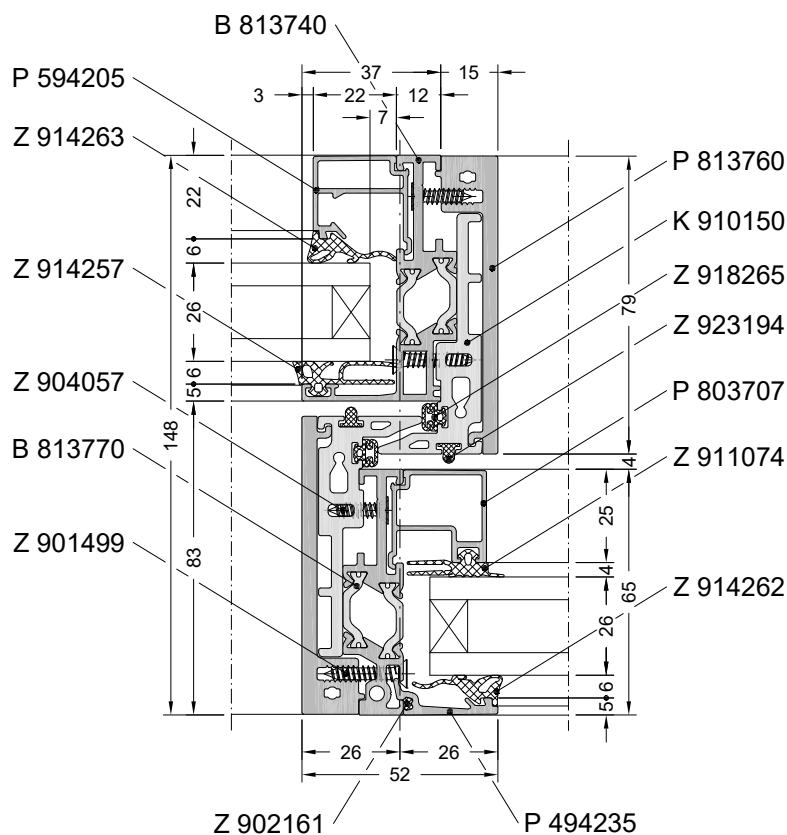
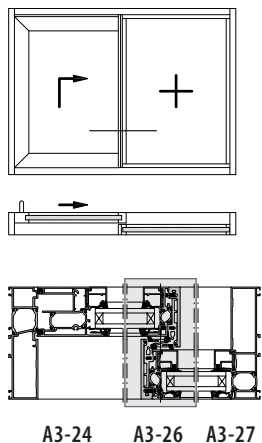


Artikel- und Systemzubehörtabellen siehe Seite A3-28/29
Article- and system accessories tables see page A3-28/29

SCHEMA MA1 - HORIZONTALSCHNITT - SCHMALES LABYRINTH
SCHEME MA1 - HORIZONTAL SECTION - NARROW LABYRINTH

Schema MA1
Scheme MA1

Maßstab / Scale 1:2

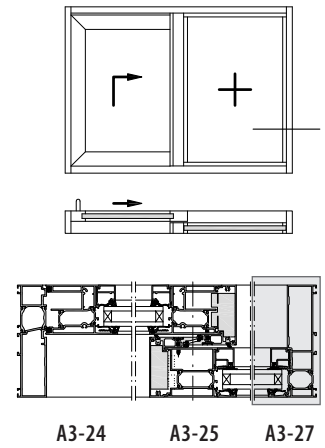


Artikel- und Systemzubehörtabellen siehe Seite A3-30/31
Article- and sytem accessories tables see page A3-30/31

SCHEMA MA1 - HORIZONTALSCHNITT
 SCHEME MA1 - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema MA1
 Scheme MA1

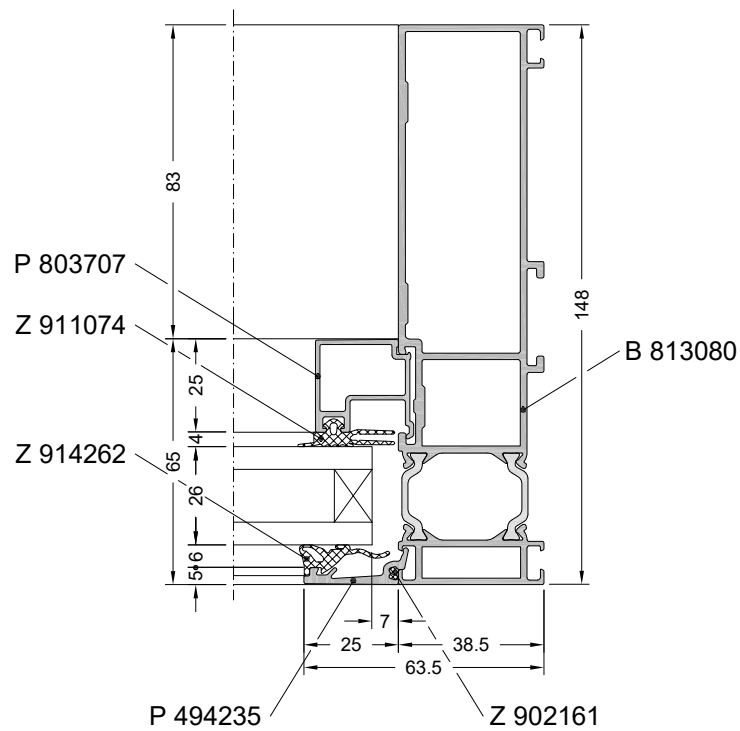


A3-24

A3-25


A3-27

A3 Profilschnitte
 Profile sections




Artikel- und Systemzubehörtabellen siehe Seite A3-28/29 - A3-30/31
 Article- and system accessories tables see page A3-28/29 - A3-30/31


SCHEMA MA1 - TABELLEN - BREITES LABYRINTH
SCHEME MA1 - TABLES - WIDE LABYRINTH


	BLENDRAHMEN OBEN 148/41.5/41.5 FIXED FRAME TOP 148/41.5/41.5	Art. Nr. / Art. no. B 813071
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	in Kombi in Combination	10x Z 923094

	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500





PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	in Kombi in Combination	10x Z 923094

	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500





	BLENDRAHMEN SEITLICH 148/38.5/38.5 FIXED FRAME LATERAL 148/38.5/38.5	Art. Nr. / Art. no. B 813080
Lieferlänge (mm) / Stock length (mm)		6500


	SCHWELLENPROFIL 116/14/15 THRESHOLD PROFILE 116/14/15	Art. Nr. / Art. no. B 813920
Lieferlänge (mm) / Stock length (mm)		6500




	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	




	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

	SPROSSE MONORAIL 65/58/58 TRANSOM PROFILE MONORAIL 65/58/58	Art. Nr. / Art. no. B 813100
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20 --	Z 917792 --	Z 918126 --
 Stift Nail	100	Z 911513	Z 914351
 Dichtkissen Sealing pad	20	2x Z 914352	--

	SPROSSE MONORAIL 65/70/70 TRANSOM PROFILE MONORAIL 65/70/70	Art. Nr. / Art. no. B 813110
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20 --	Z 918127 --	Z 918128 --
 Stift Nail	100	Z 911513	Z 914351
 Dichtkissen Sealing pad	20	2x Z 914352	--

SCHEMA MA1 - TABELLEN - BREITES LABYRINTH
SCHEME MA1 - TABLES - WIDE LABYRINTH

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910153
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 25 mm, aussen Glazing bead 25 mm, external	Lieferlänge / Stock length 6500 mm	P 494235
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Glasleiste 25 mm, innen Glazing bead 25 mm, internal	Lieferlänge / Stock length 6500 mm	P 803707
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813730
Schraube 4.2 x 22 Screw 4.2 x 22	in Kombi in Combi.	Z 901499
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 911074
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914262
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194


Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

SCHEMA MA1 - TABELLEN - SCHMALES LABYRINTH
SCHEME MA1 - TABLES - NARROW LABYRINTH

	BLENDRAHMEN OBEN 148/41.5/41.5 FIXED FRAME TOP 148/41.5/41.5	Art. Nr. / Art. no. B 813071
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	in Kombi in Combination	10x Z 923094


	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES





Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	in Kombi in Combination	10x Z 923094


	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500

	BLENDRAHMEN SEITLICH 148/38.5/38.5 FIXED FRAME LATERAL 148/38.5/38.5	Art. Nr. / Art. no. B 813080
Lieferlänge (mm) / Stock length (mm)		6500





	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	

	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

SCHEMA MA1 - TABELLEN - SCHMALES LABYRINTH
SCHEME MA1 - TABLES - NARROW LABYRINTH

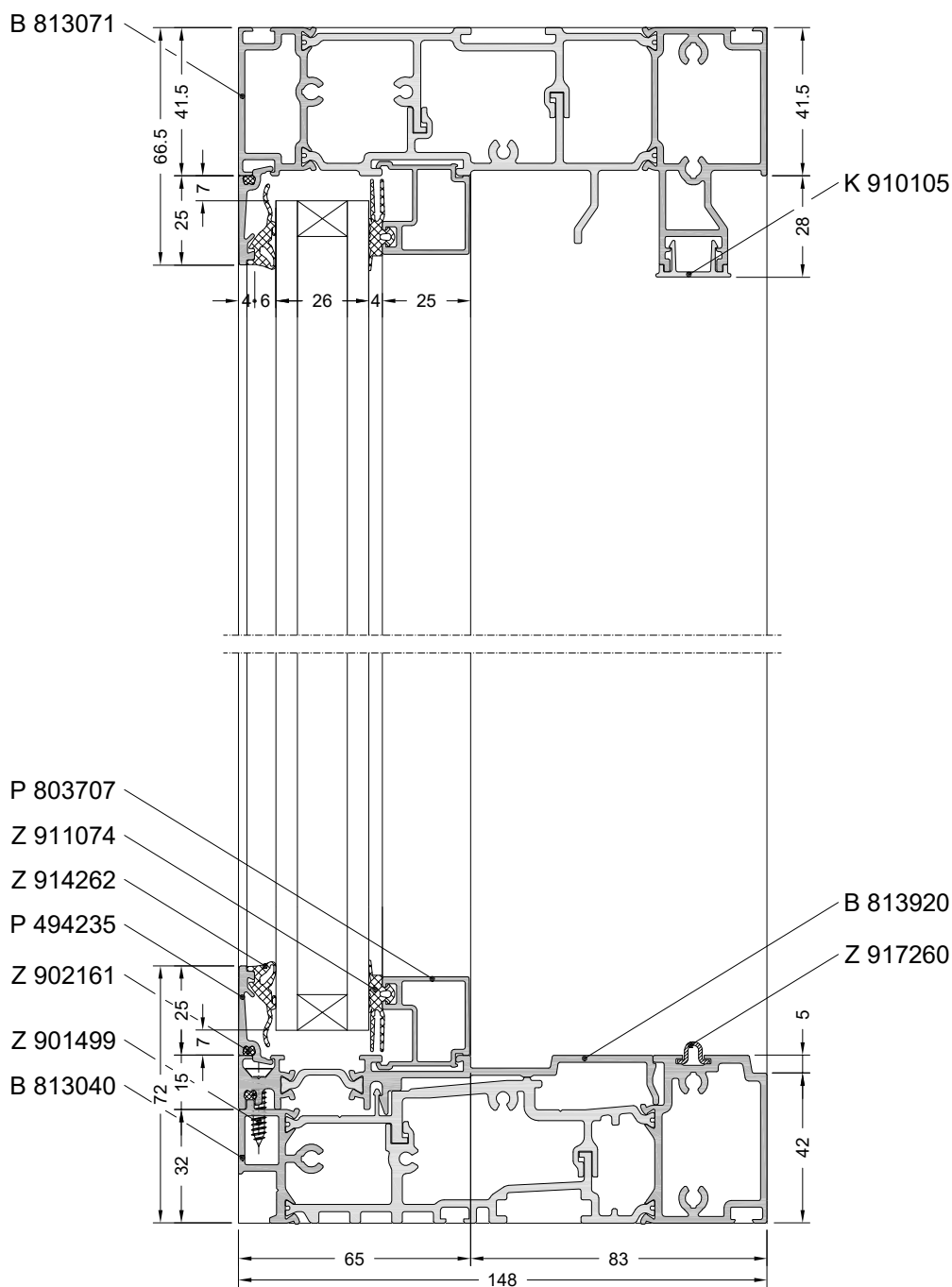
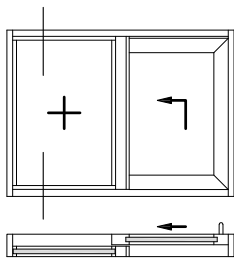
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Labyrinth profile, plastic	Lieferlänge / Stock length 6500 mm	K 910150
Glasleiste 25 mm, aussen Glazing bead 25 mm, external	Lieferlänge / Stock length 6500 mm	P 494235
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Glasleiste 25 mm, innen Glazing bead 25 mm, internal	Lieferlänge / Stock length 6500 mm	P 803707
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813730
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813760
Schraube 4.2 x 22 Screw 4.2 x 22	in Kombi in Combi.	Z 901499
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Schraube 4.2 x 16 Screw 4.2 x 16	in Kombi in Combi.	Z 904057
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 911074
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914262
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

SCHEMA MA2 - VERTIKALSCHNITT
SCHEME MA2 - VERTICAL SECTION

Schema MA2
Scheme MA2

Maßstab / Scale 1:2

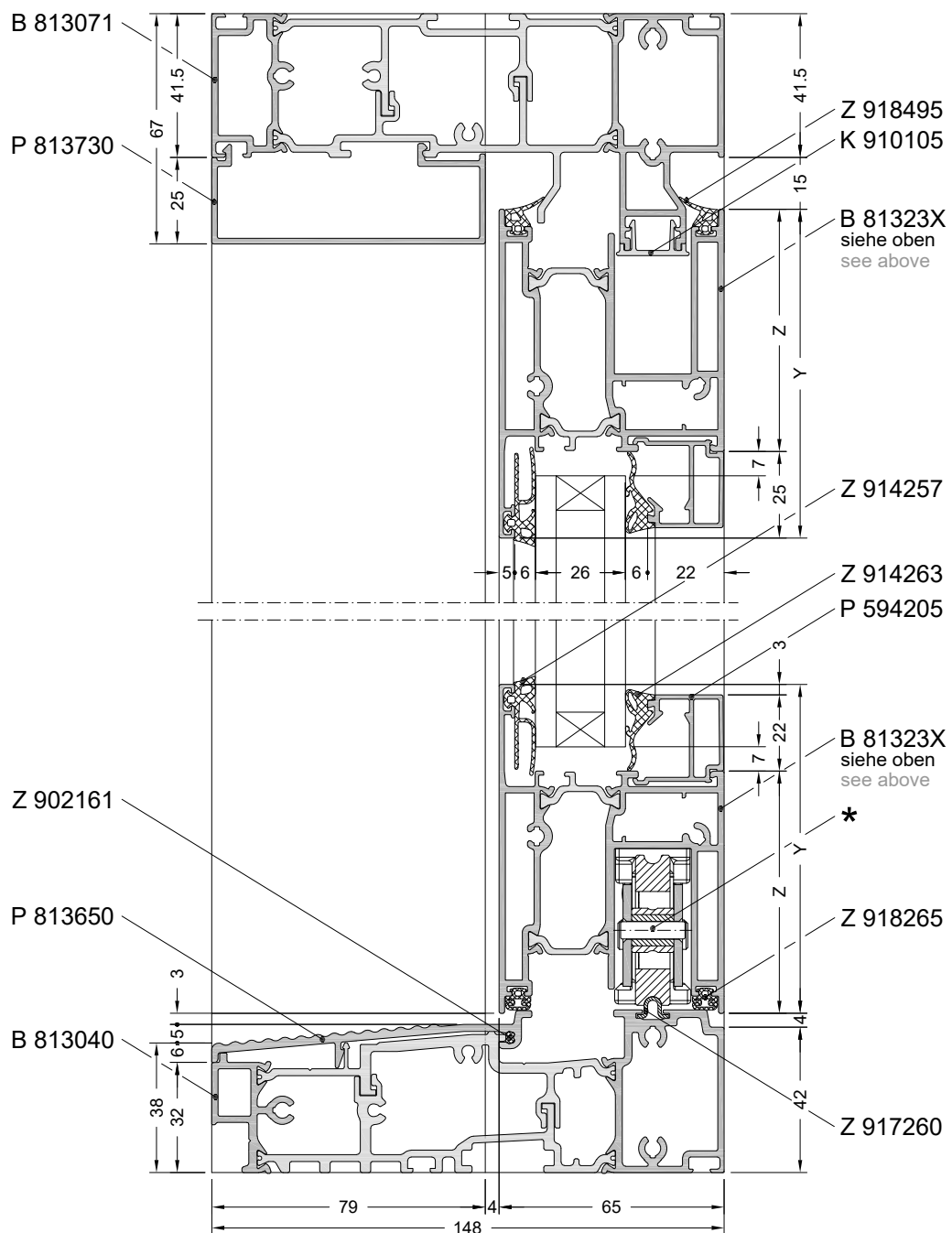
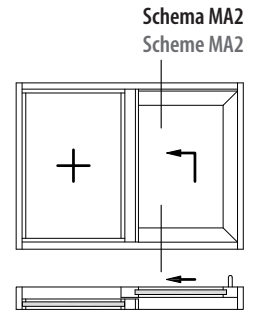


Artikel- und Systemzubehörtabellen siehe Seite A3-38/39 - A3-40/41
Article- and sytem accessories tables see page A3-38/39 - A3-40/41

SCHEMA MA2 - VERTIKALSCHNITT
SCHEME MA2 - VERTICAL SECTION

Maßstab/Scale 1:2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓

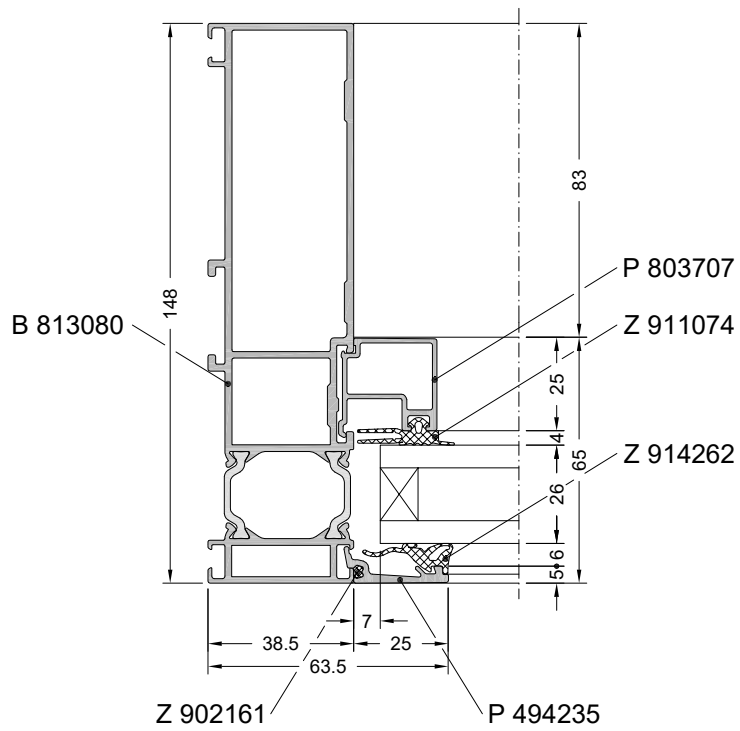
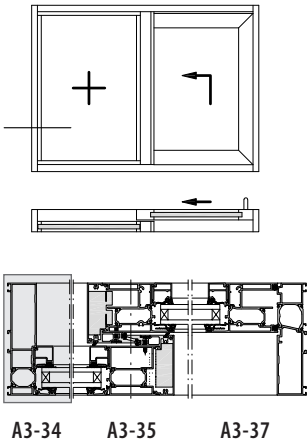


Artikel- und Systemzubehörtabellen siehe Seite A3-38/39 - A3-40/41
Article- and system accessories tables see page A3-38/39 - A3-40/41

SCHEMA MA2 - HORIZONTALSCHNITT
SCHEME MA2 - HORIZONTAL SECTION

Schema MA2
Scheme MA2

Maßstab/Scale 1:2



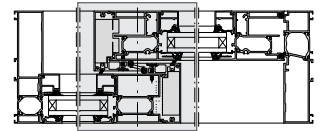
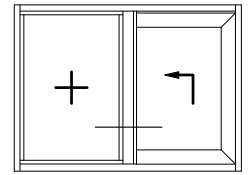
Artikel- und Systemzubehörtabellen siehe Seite A3-38/39 - A3-40/41
Article- and sytem accessories tables see page A3-38/39 - A3-40/41

SCHEMA MA2 - HORIZONTALSCHNITT - BREITES LABYRINTH
SCHEME MA2 - HORIZONTAL SECTION - WIDE LABYRINTH

Maßstab / Scale 1:2

Schema MA2
Scheme MA2

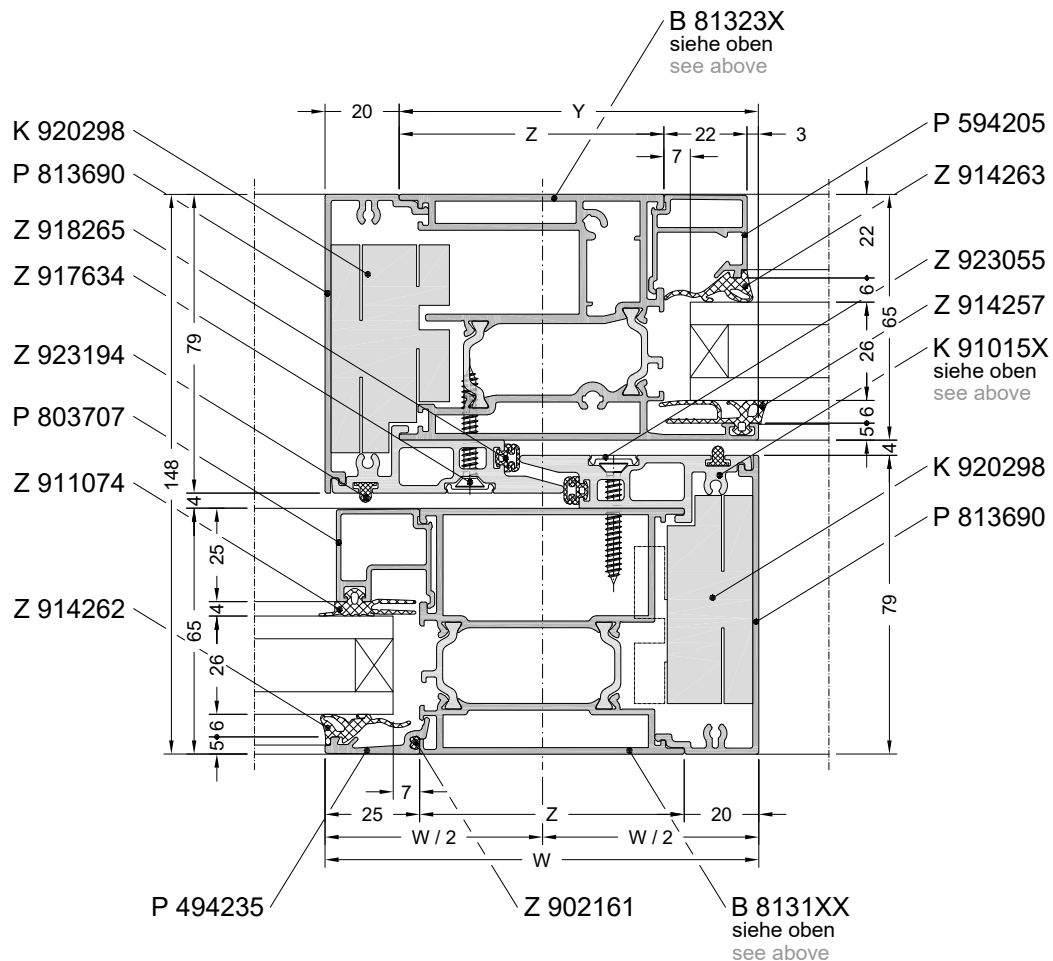
Schiebeflügel Sliding sash	Y	Z	Pfosten Mullion profile	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	B 813100	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58		schubweich flexible	103	51,5	K 910153
B 813234	95	70	B 813110	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70		schubweich flexible	115	57,5	K 910154



A3-34 A3-35 A3-37

Profilschnitte
Profile sections

A3

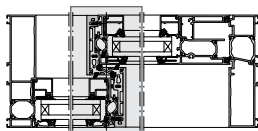
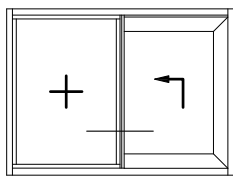


Artikel- und Systemzubehörtabellen siehe Seite A3-38/39
Article- and system accessories tables see page A3-38/39

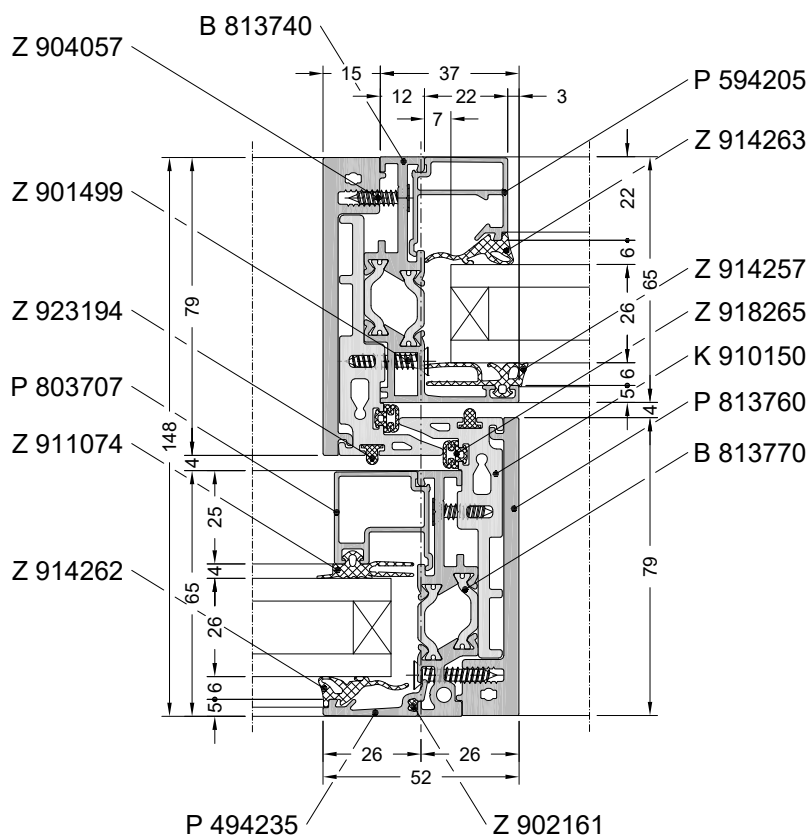
SCHEMA MA2 - HORIZONTALSCHNITT - SCHMALES LABYRINTH
SCHEME MA2 - HORIZONTAL SECTION - NARROW LABYRINTH

Schema MA2
Scheme MA2

Maßstab / Scale 1:2



A3-34 A3-36 A3-37



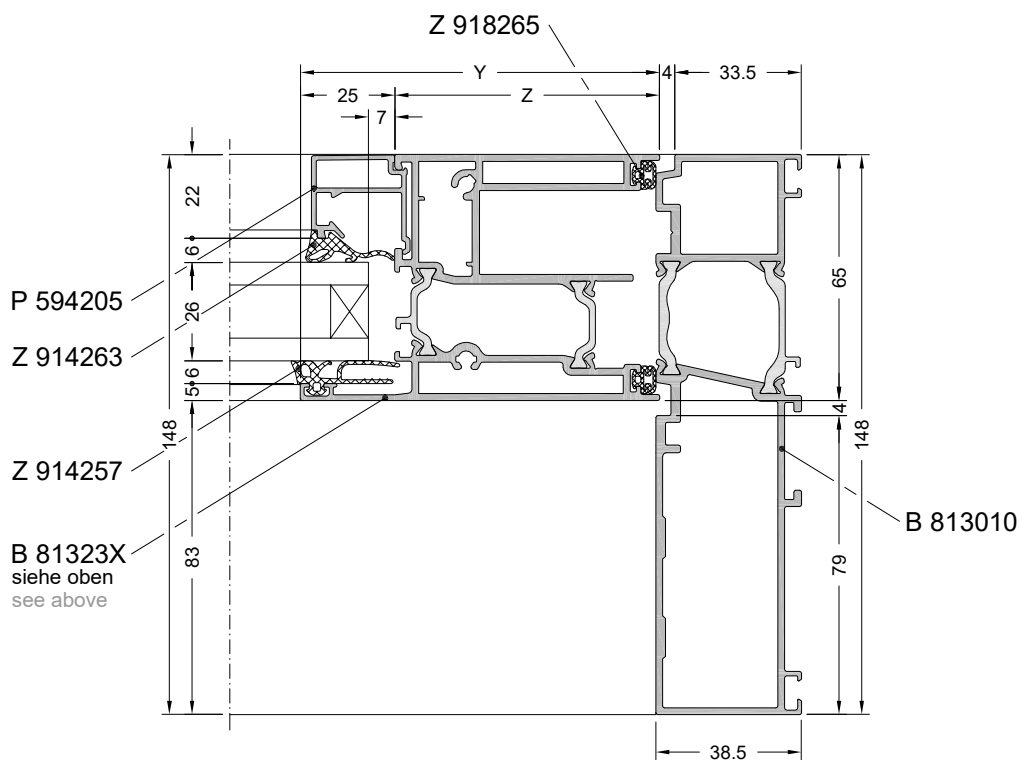
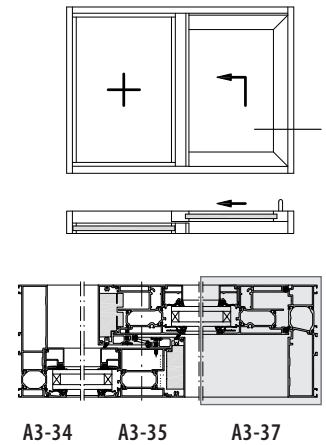
Artikel- und Systemzubehörtabellen siehe Seite A3-40/41
Article- and sytem accessories tables see page A3-40/41

SCHEMA MA2 - HORIZONTALSCHNITT
SCHEMA MA2 - HORIZONTAL SECTION

Maßstab / Scale 1:2


Schema MA2
Scheme MA2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible




Artikel- und Systemzubehörtabellen siehe Seite A3-38/39 - A3-40/41
Article- and system accessories tables see page A3-38/39 - A3-40/41


SCHEMA MA2 - TABELLEN - BREITES LABYRINTH
SCHEME MA2 - TABLES - WIDE LABYRINTH


	BLENDRAHMEN OBEN 148/41.5/41.5 FIXED FRAME TOP 148/41.5/41.5	Art. Nr. / Art. no. B 813071
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500





PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500





	BLENDRAHMEN SEITLICH 148/38.5/38.5 FIXED FRAME LATERAL 148/38.5/38.5	Art. Nr. / Art. no. B 813080
Lieferlänge (mm) / Stock length (mm)		6500


	SCHWELLENPROFIL 116/14/15 THRESHOLD PROFILE 116/14/15	Art. Nr. / Art. no. B 813920
Lieferlänge (mm) / Stock length (mm)		6500




	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	




	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

	SPROSSE MONORAIL 65/58/58 TRANSOM PROFILE MONORAIL 65/58/58	Art. Nr. / Art. no. B 813100
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20 --	Z 917792 --	Z 918126 --
 Stift Nail	100	Z 911513	Z 914351
 Dichtkissen Sealing pad	20	2x Z 914352	--

	SPROSSE MONORAIL 65/70/70 TRANSOM PROFILE MONORAIL 65/70/70	Art. Nr. / Art. no. B 813110
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20 --	Z 918127 --	Z 918128 --
 Stift Nail	100	Z 911513	Z 914351
 Dichtkissen Sealing pad	20	2x Z 914352	--

SCHEMA MA2 - TABELLEN - BREITES LABYRINTH
SCHEME MA2 - TABLES - WIDE LABYRINTH

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910153
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 25 mm, aussen Glazing bead 25 mm, external	Lieferlänge / Stock length 6500 mm	P 494235
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Glasleiste 25 mm, innen Glazing bead 25 mm, internal	Lieferlänge / Stock length 6500 mm	P 803707
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813730
Schraube 4.2 x 22 Screw 4.2 x 22	in Kombi in Combi.	Z 901499
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 911074
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914262
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194


Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

SCHEMA MA2 - TABELLEN - SCHMALES LABYRINTH
SCHEME MA2 - TABLES - NARROW LABYRINTH

	BLENDRAHMEN OBEN 148/41.5/41.5 FIXED FRAME TOP 148/41.5/41.5	Art. Nr. / Art. no. B 813071
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschaube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES





Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschaube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500

	BLENDRAHMEN SEITLICH 148/38.5/38.5 FIXED FRAME LATERAL 148/38.5/38.5	Art. Nr. / Art. no. B 813080
Lieferlänge (mm) / Stock length (mm)		6500





	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	

	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

SCHEMA MA2 - TABELLEN - SCHMALES LABYRINTH
SCHEME MA2 - TABLES - NARROW LABYRINTH

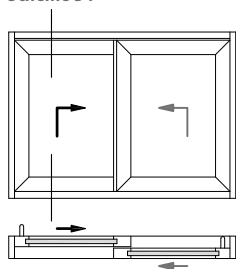
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Labyrinth profile, plastic	Lieferlänge / Stock length 6500 mm	K 910150
Glasleiste 25 mm, aussen Glazing bead 25 mm, external	Lieferlänge / Stock length 6500 mm	P 494235
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Glasleiste 25 mm, innen Glazing bead 25 mm, internal	Lieferlänge / Stock length 6500 mm	P 803707
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813730
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813760
Schraube 4.2 x 22 Screw 4.2 x 22	in Kombi in Combi.	Z 901499
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Schraube 4.2 x 16 Screw 4.2 x 16	in Kombi in Combi.	Z 904057
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 911074
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914262
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

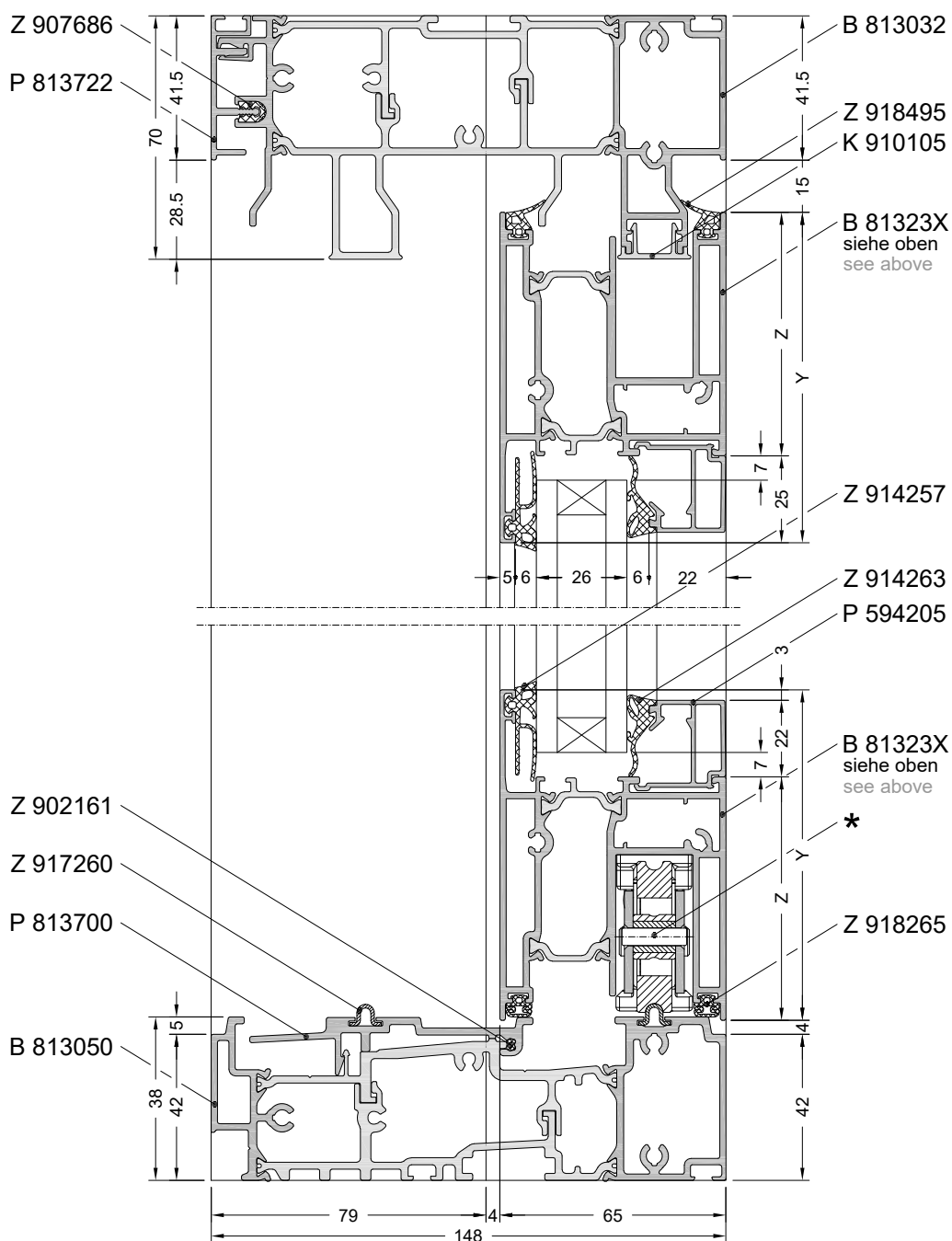
SCHEMA D1 - VERTIKALSCHNITT
SCHEME D1 - VERTICAL SECTION

Schema D1
Scheme D1

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓

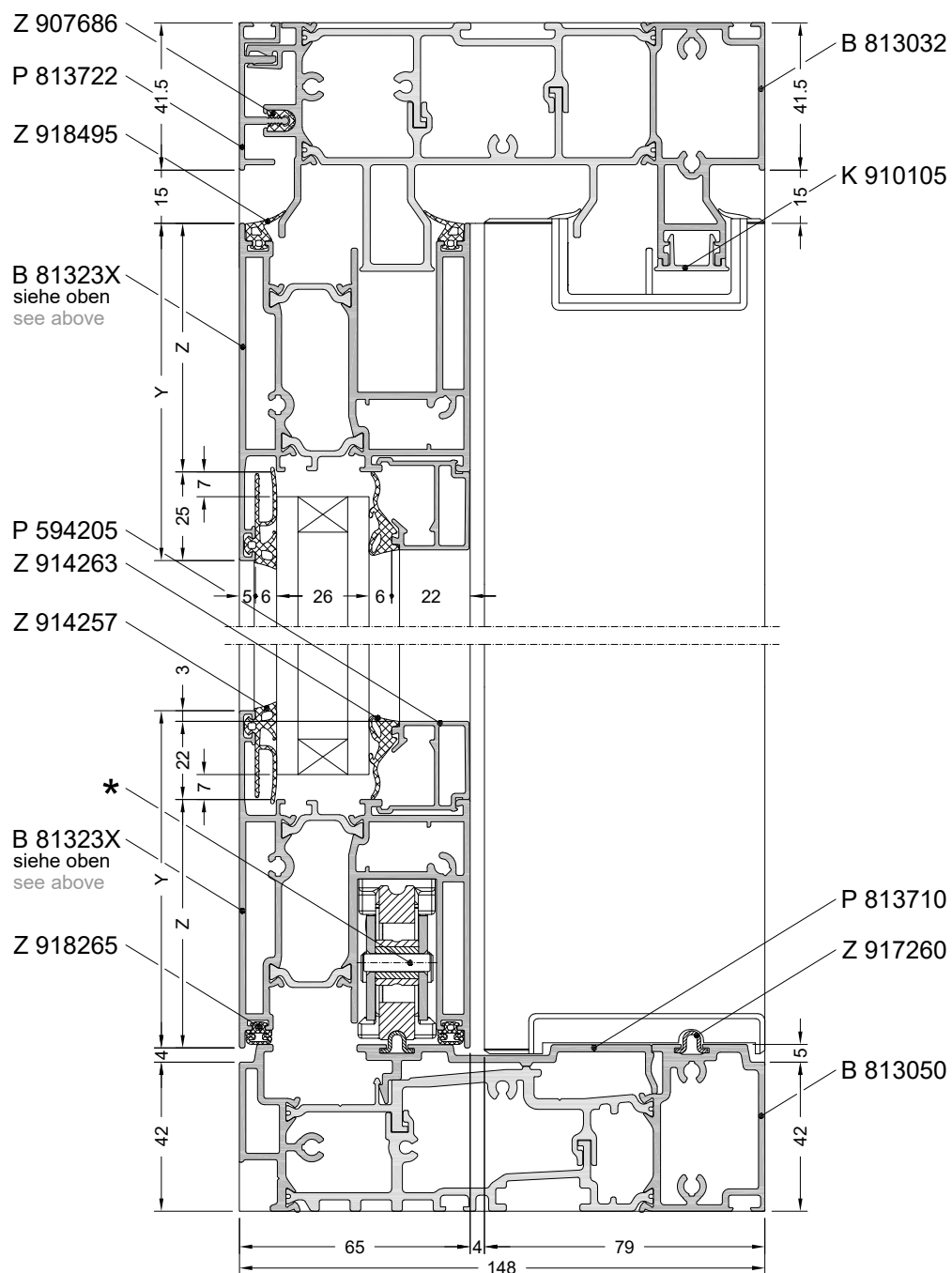
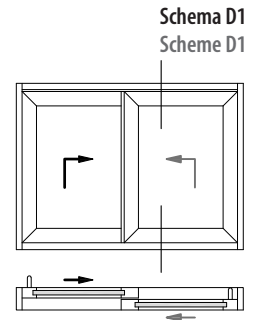


Artikel- und Systemzubehörtabelle siehe Seite A3-48 - A3-49
Article- and system accessories tables see page A3-48 - A3-49

SCHEMA D1 - VERTIKALSCHNITT
SCHEME D1 - VERTICAL SECTION

Maßstab/Scale 1:2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
				✓	--	--
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓

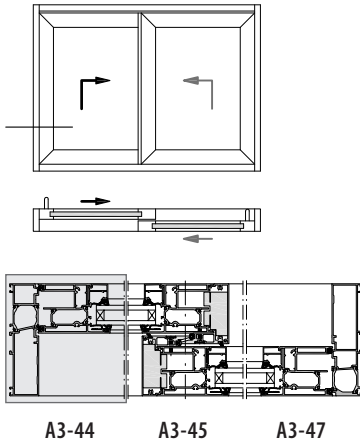


Artikel- und Systemzubehörtabellen siehe Seite A3-48 - A3-49
Article- and system accessories tables see page A3-48 - A3-49

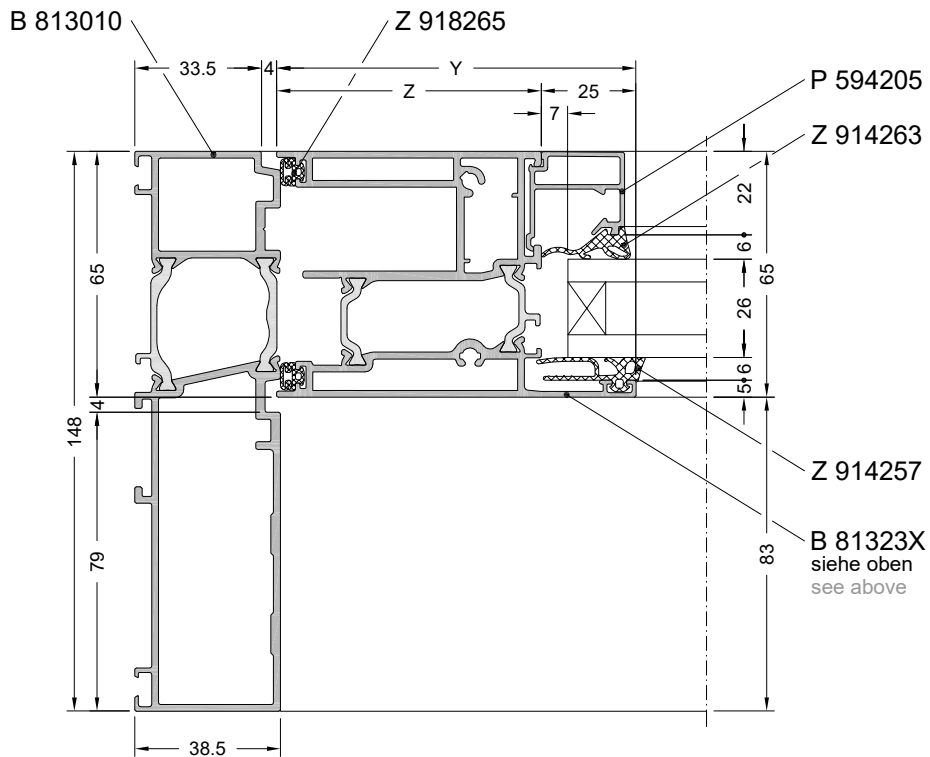
SCHEMA D1 - HORIZONTALSCHNITT
SCHEME D1 - HORIZONTAL SECTION

Schema D1
Scheme D1

Maßstab/Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



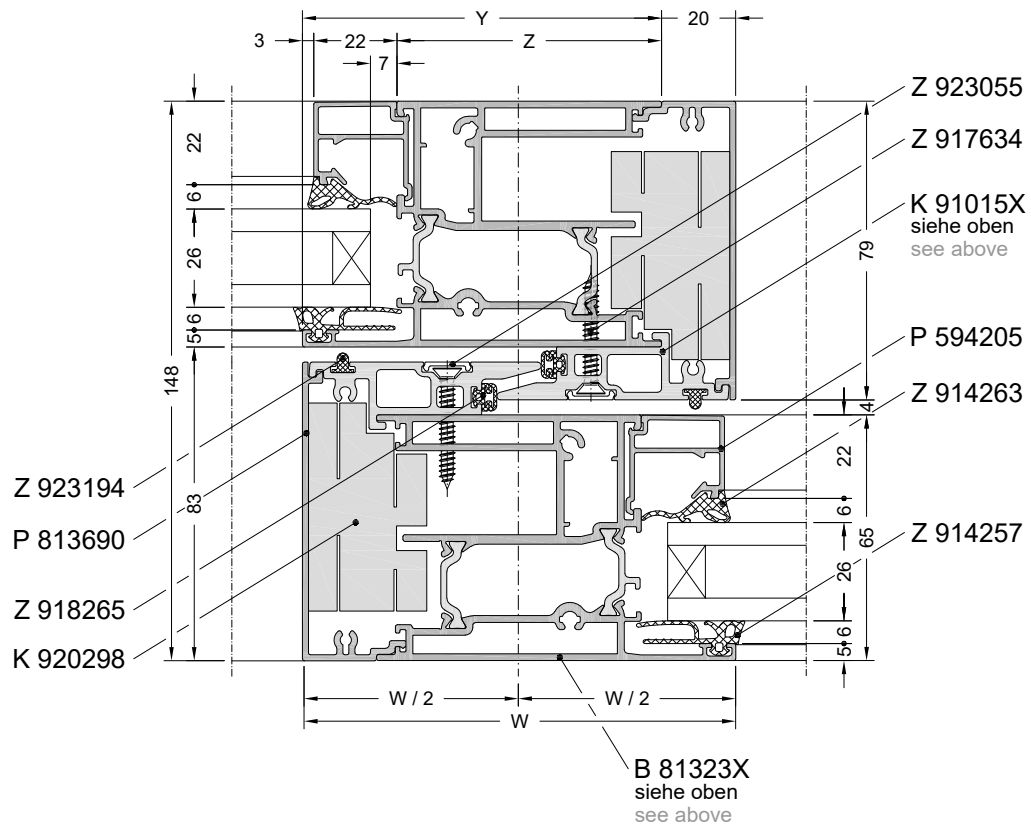
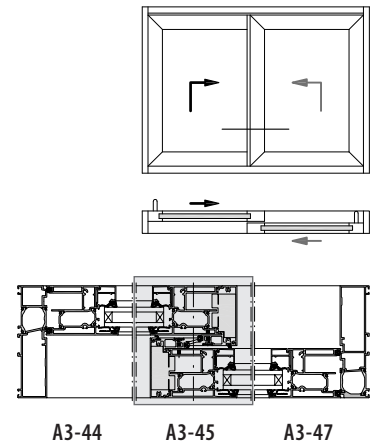
Artikel- und Systemzubehörtabellen siehe Seite A3-48 - A3-49
Article- and system accessories tables see page A3-48 - A3-49

SCHEMA D1 - HORIZONTALSCHNITT - BREITES LABYRINTH
SCHEME D1 - HORIZONTAL SECTION - WIDE LABYRINTH

Maßstab / Scale 1:2

Schema D1
Scheme D1

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58	schubweich flexible	103	51,5	K 910153
B 813234	95	70	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70	schubweich flexible	115	57,5	K 910154

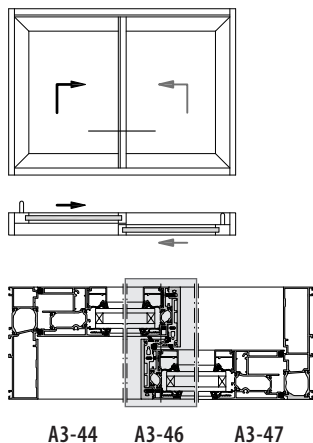


Artikel- und Systemzubehörtabellen siehe Seite A3-48
Article- and system accessories tables see page A3-48

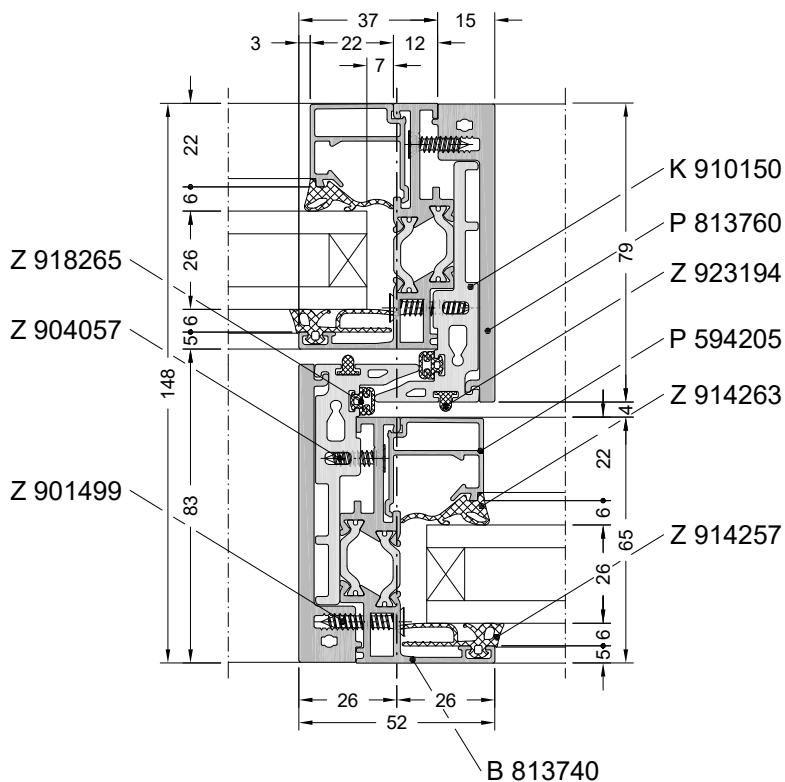
SCHEMA D1 - HORIZONTALSCHNITT - SCHMALES LABYRINTH
SCHEME D1 - HORIZONTAL SECTION - NARROW LABYRINTH

Schema D1
Scheme D1

Maßstab / Scale 1:2



A3-44 A3-46 A3-47



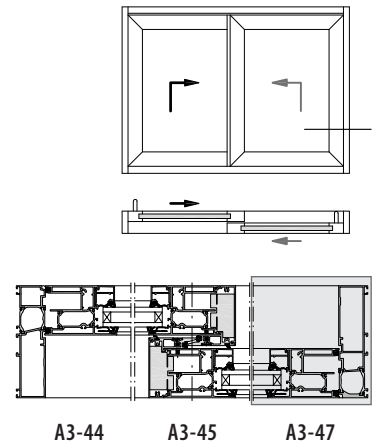
Artikel- und Systemzubehörtabelle siehe Seite A3-49
Article- and system accessories tables see page A3-49

SCHEMA D1 - HORIZONTALSCHNITT
SCHEME D1 - HORIZONTAL SECTION

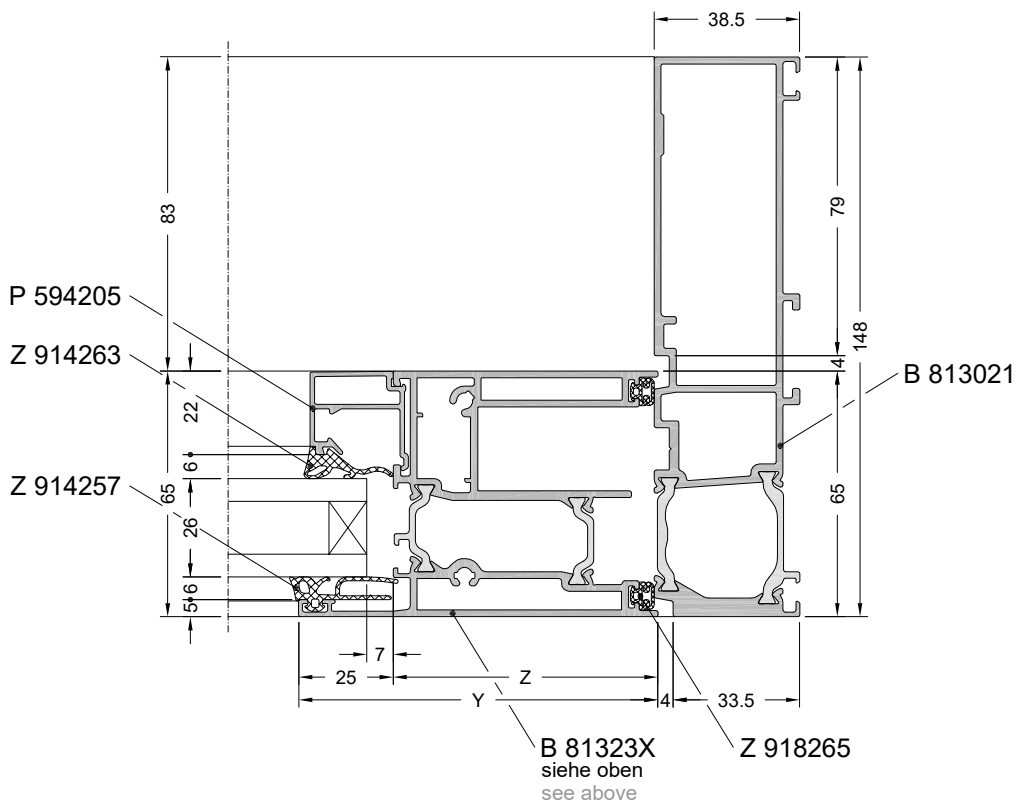
Maßstab / Scale 1:2

Schema D1
Scheme D1

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



A3
Profilschnitte
Profile sections




Artikel- und Systemzubehörtabellen siehe Seite A3-48 - A3-49
Article- and system accessories tables see page A3-48 - A3-49


SCHEMA D1 - TABELLEN - BREITES LABYRINTH
SCHEME D1 - TABLES - WIDE LABYRINTH


	BLENDRAHMEN OBEN 146/41.5/60.5 FIXED FRAME TOP 146/41.5/60.5	Art. Nr. / Art. no. B 813032
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094





	BLENDRAHMEN UNTEN 148/47/47 FIXED FRAME BOTTOM 148/47/47	Art. Nr. / Art. no. B 813050
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094





	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500

	BLENDRAHMEN SEITLICH 148/38.5/33.5 FIXED FRAME LATERAL 148/38.5/33.5	Art. Nr. / Art. no. B 813021
Lieferlänge (mm) / Stock length (mm)		6500

	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	


	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910153
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813700
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813710
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813722
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Klemmdichtung Clamp gasket	100 m	Z 907686
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194


Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

SCHEMA D1 - TABELLEN - SCHMALES LABYRINTH
SCHEME D1 - TABLES - NARROW LABYRINTH

	BLENDRAHMEN OBEN 146/41.5/60.5 FIXED FRAME TOP 146/41.5/60.5	Art. Nr. / Art. no. B 813032
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN UNTEN 148/47/47 FIXED FRAME BOTTOM 148/47/47	Art. Nr. / Art. no. B 813050
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES





Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500

	BLENDRAHMEN SEITLICH 148/38.5/33.5 FIXED FRAME LATERAL 148/38.5/33.5	Art. Nr. / Art. no. B 813021
Lieferlänge (mm) / Stock length (mm)		6500





	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	

	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

	SCHIEBEFLÜGEL 65/12/37 SLIDING SASH 65/12/37	Art. Nr. / Art. no. B 813740
Lieferlänge (mm) / Stock length (mm)		6500

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

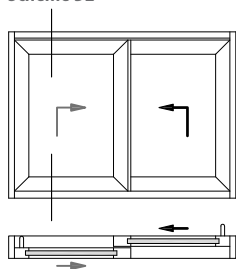
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910150
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813700
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813710
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813722
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813760
Schraube 4.2 x 22 Screw 4.2 x 22	in Kombi in Combi.	Z 901499
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Schraube 4.2 x 16 Screw 4.2 x 16	in Kombi in Combi.	Z 904057
Klemmdichtung Clamp gasket	100 m	Z 907686
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

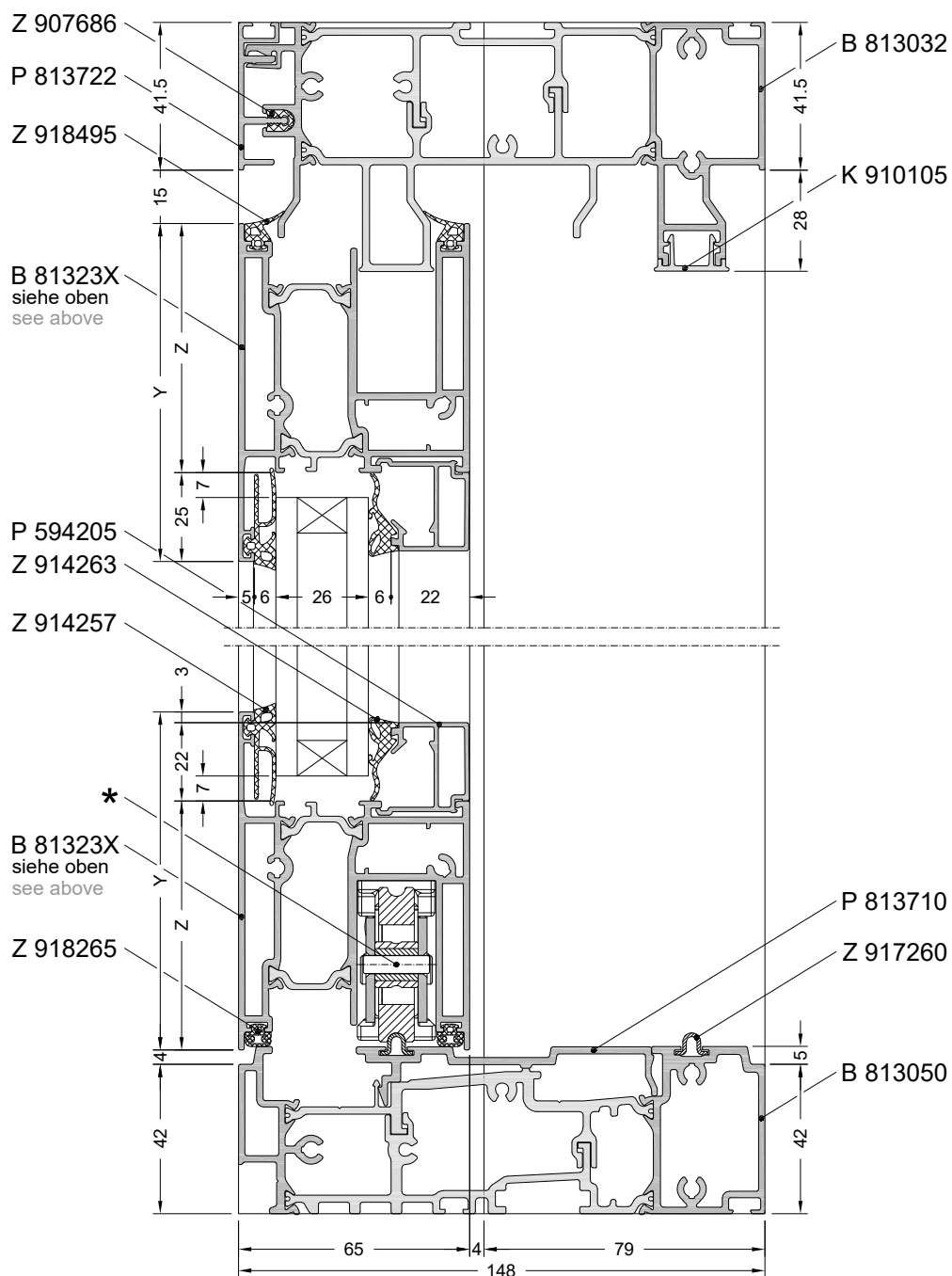
SCHEMA D2 - VERTIKALSCHNITT
SCHEME D2 - VERTICAL SECTION

Schema D2
Scheme D2

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓

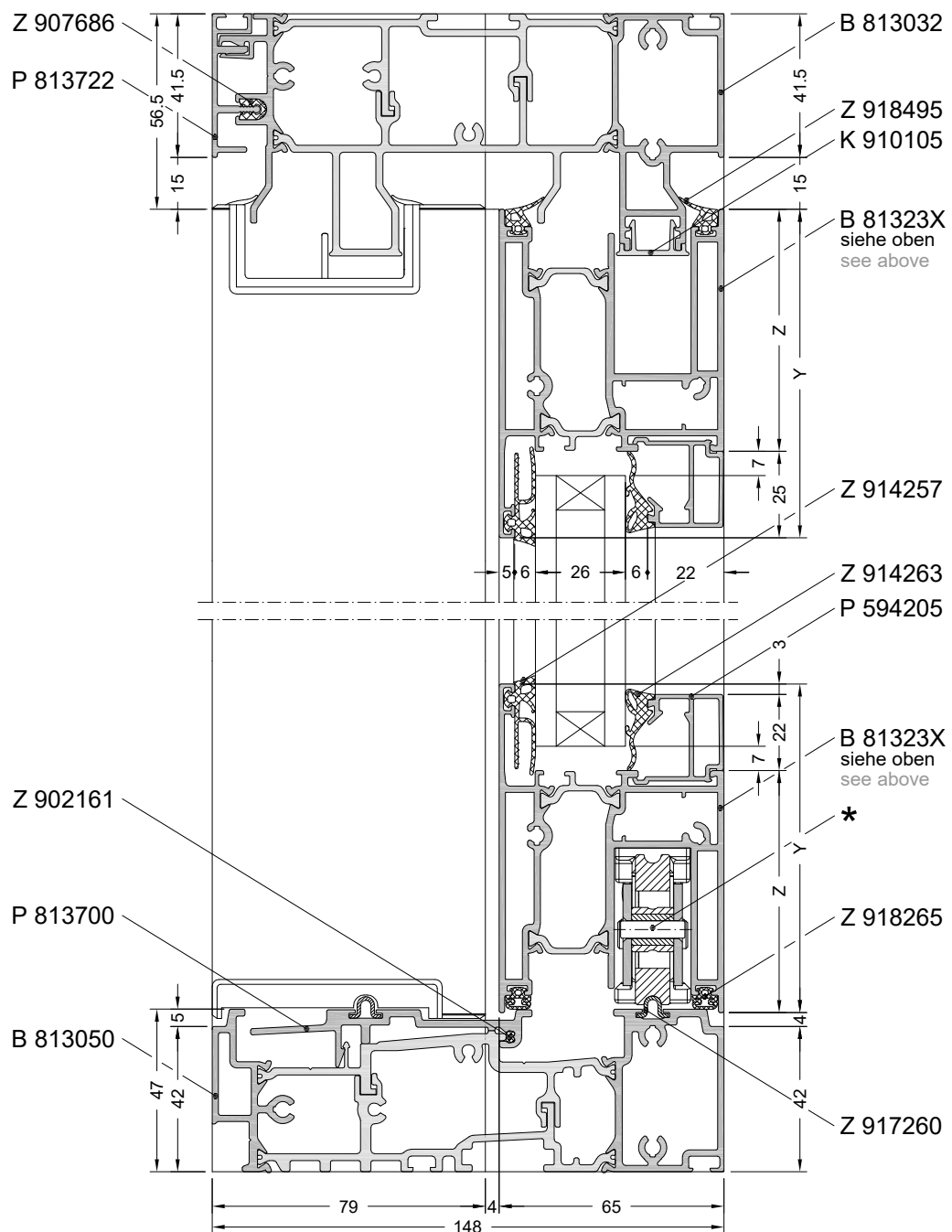
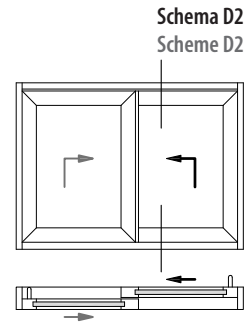


Artikel- und Systemzubehörtabellen siehe Seite A3-56 - A3-57
Article- and system accessories tables see page A3-56 - A3-57

SCHEMA D2 - VERTIKALSCHNITT
SCHEME D2 - VERTICAL SECTION

Maßstab / Scale 1:2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓

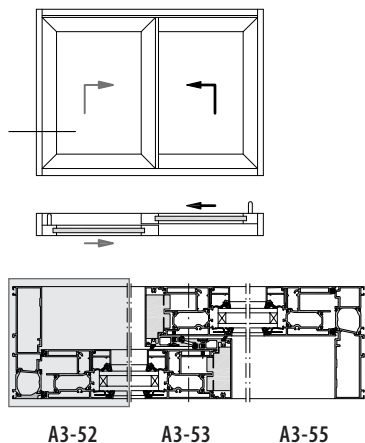


Artikel- und Systemzubehörtabellen siehe Seite A3-56 - A3-57
Article- and system accessories tables see page A3-56 - A3-57

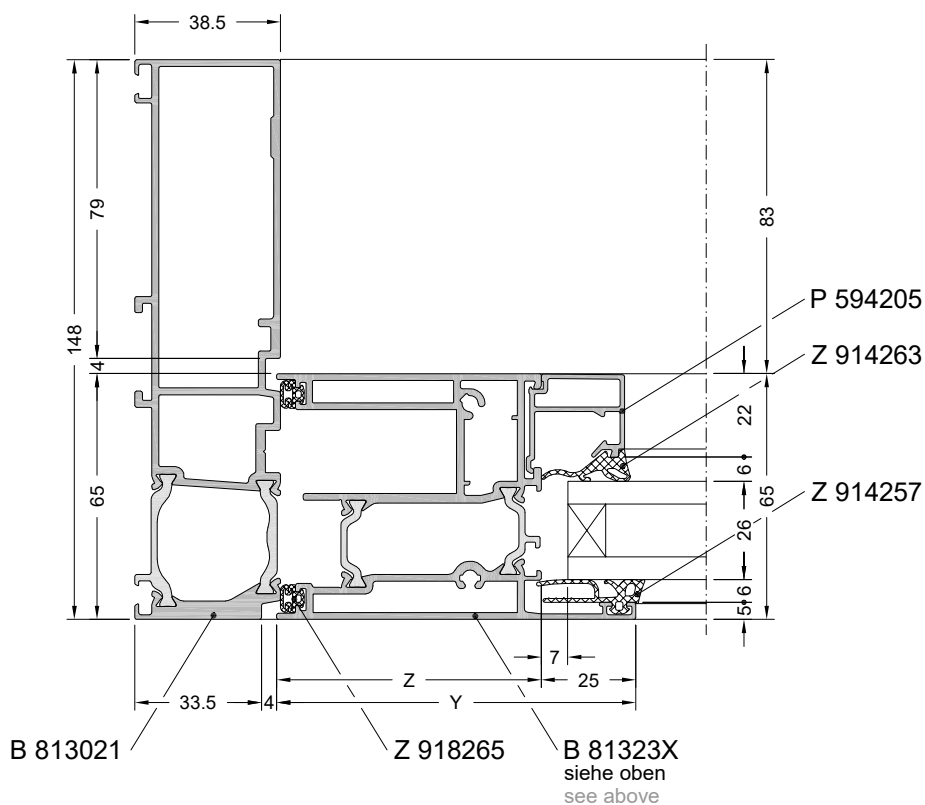
SCHEMA D2 - HORIZONTALSCHNITT
SCHEME D2 - HORIZONTAL SECTION

Schema D2
Scheme D2

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



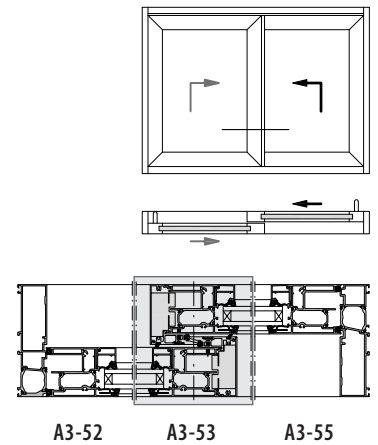
Artikel- und Systemzubehörtabelle siehe Seite A3-56 - A3-57
Article- and system accessories tables see page A3-56 - A3-57

SCHEMA D2 - HORIZONTALSCHNITT - BREITES LABYRINTH
SCHEME D2 - HORIZONTAL SECTION - WIDE LABYRINTH

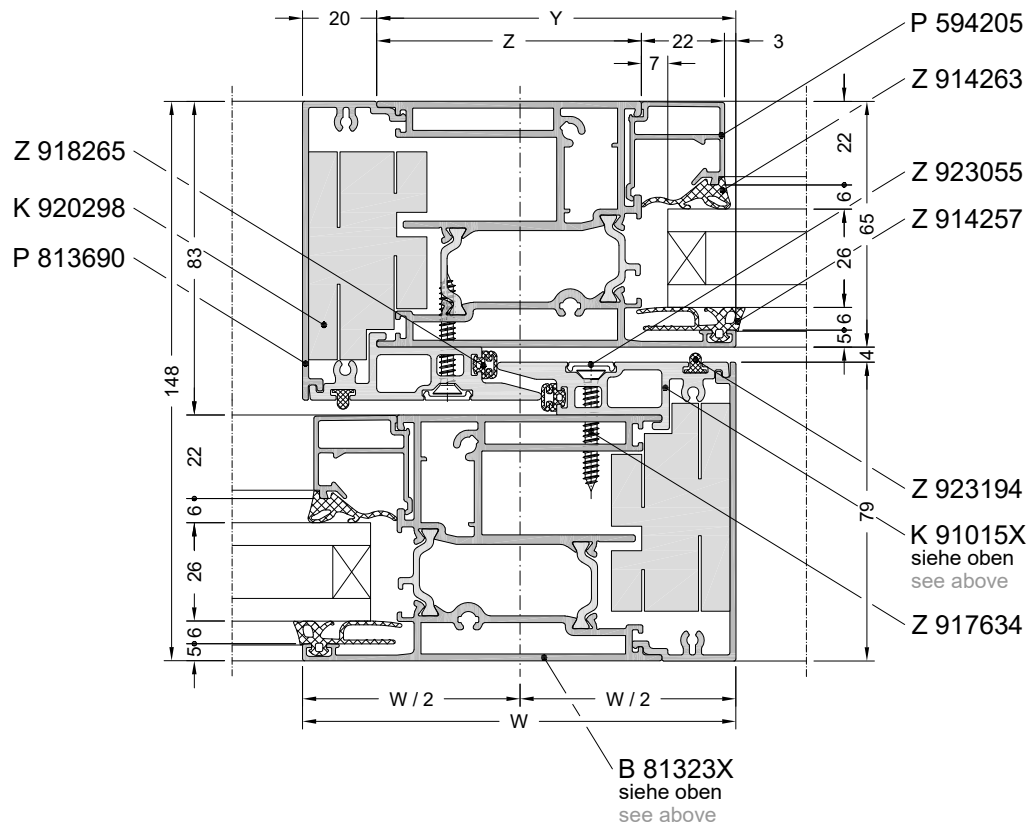
Maßstab / Scale 1:2

Schema D2
Scheme D2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58	schubweich flexible	103	51,5	K 910153
B 813234	95	70	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70	schubweich flexible	115	57,5	K 910154



A3
Profilschnitte
Profile sections

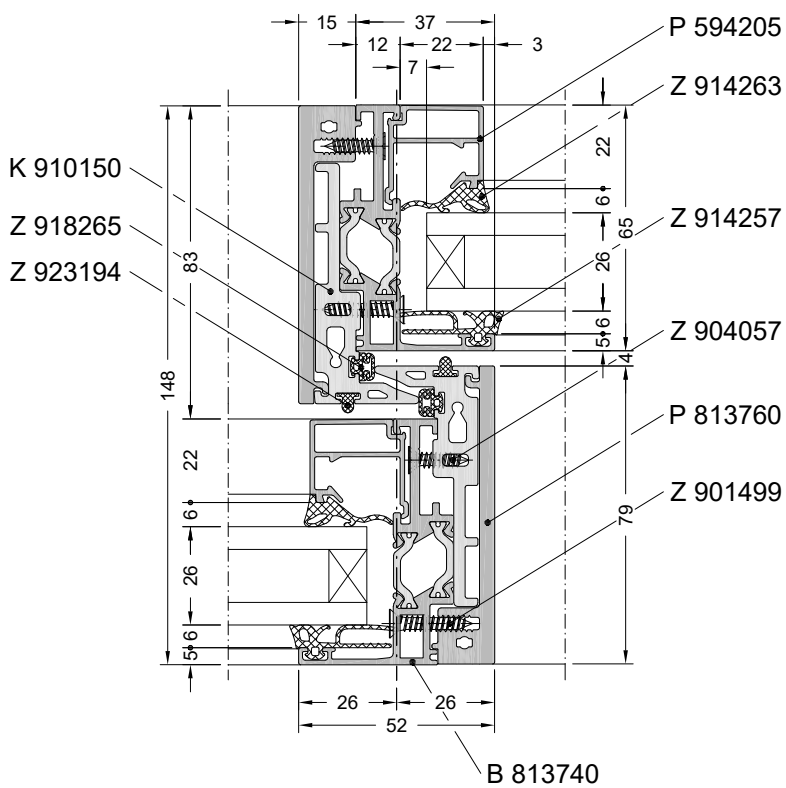
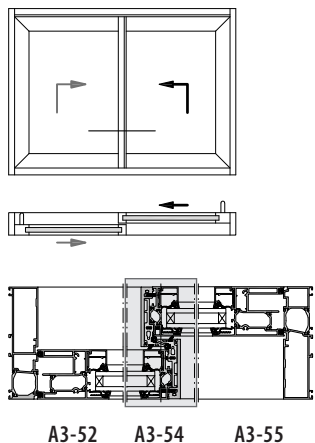


Artikel- und Systemzubehörtabellen siehe Seite A3-56
Article- and system accessories tables see page A3-56

SCHEMA D2 - HORIZONTALSCHNITT - SCHMALES LABYRINTH
SCHEME D2 - HORIZONTAL SECTION - NARROW LABYRINTH

Schema D2
Scheme D2

Maßstab / Scale 1:2



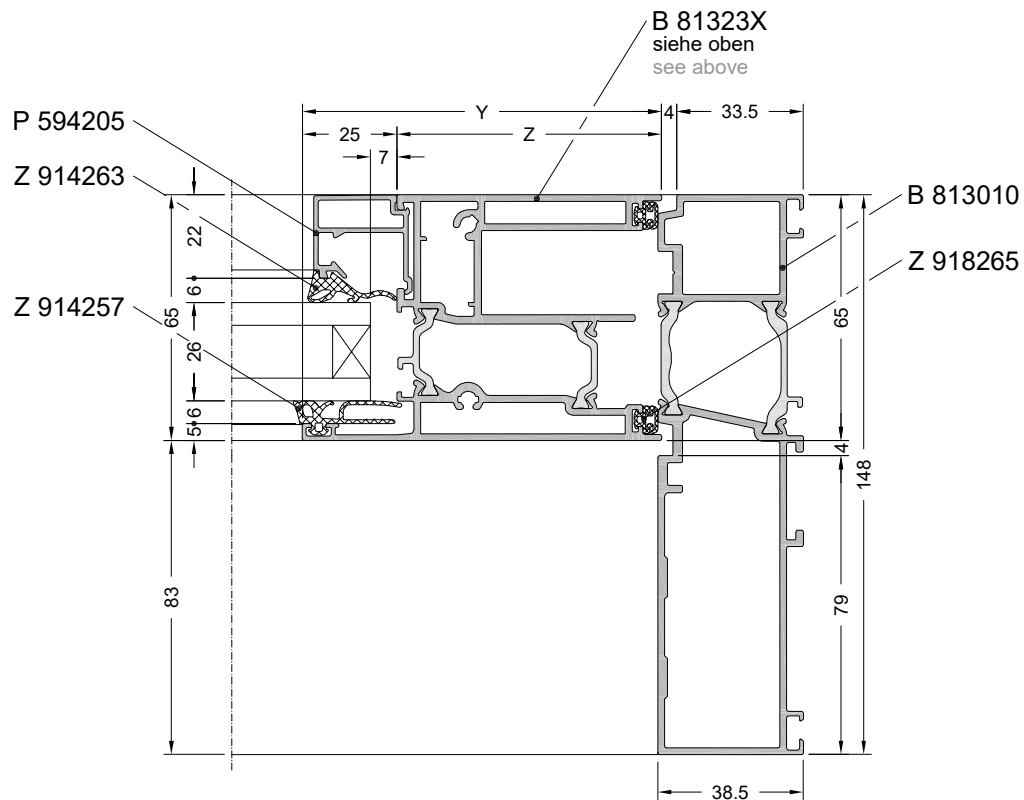
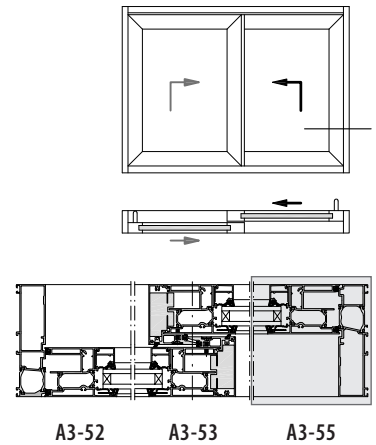
Artikel- und Systemzubehörtabellen siehe Seite A3-57
Article- and system accessories tables see page A3-57

SCHEMA D2 - HORIZONTALSCHNITT
SCHEME D2 - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema D2
Scheme D2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible




Artikel- und Systemzubehörtabellen siehe Seite A3-56 - A3-57
Article- and system accessories tables see page A3-56 - A3-57


SCHEMA D2 - TABELLEN - BREITES LABYRINTH
SCHEME D2 - TABLES - WIDE LABYRINTH


	BLENDRAHMEN OBEN 146/41.5/60.5 FIXED FRAME TOP 146/41.5/60.5	Art. Nr. / Art. no. B 813032
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094





	BLENDRAHMEN UNTEN 148/47/47 FIXED FRAME BOTTOM 148/47/47	Art. Nr. / Art. no. B 813050
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094





	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500

	BLENDRAHMEN SEITLICH 148/38.5/33.5 FIXED FRAME LATERAL 148/38.5/33.5	Art. Nr. / Art. no. B 813021
Lieferlänge (mm) / Stock length (mm)		6500

	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	


	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910153
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813700
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813710
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813722
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Klemmdichtung Clamp gasket	100 m	Z 907686
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194


Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

SCHEMA D2 - TABELLEN - SCHMALES LABYRINTH
SCHEME D2 - TABLES - NARROW LABYRINTH

	BLENDRAHMEN OBEN 146/41.5/60.5 FIXED FRAME TOP 146/41.5/60.5	Art. Nr. / Art. no. B 813032
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN UNTEN 148/47/47 FIXED FRAME BOTTOM 148/47/47	Art. Nr. / Art. no. B 813050
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES





Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500

	BLENDRAHMEN SEITLICH 148/38.5/33.5 FIXED FRAME LATERAL 148/38.5/33.5	Art. Nr. / Art. no. B 813021
Lieferlänge (mm) / Stock length (mm)		6500





	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	

	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

	SCHIEBEFLÜGEL 65/12/37 SLIDING SASH 65/12/37	Art. Nr. / Art. no. B 813740
Lieferlänge (mm) / Stock length (mm)		6500

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

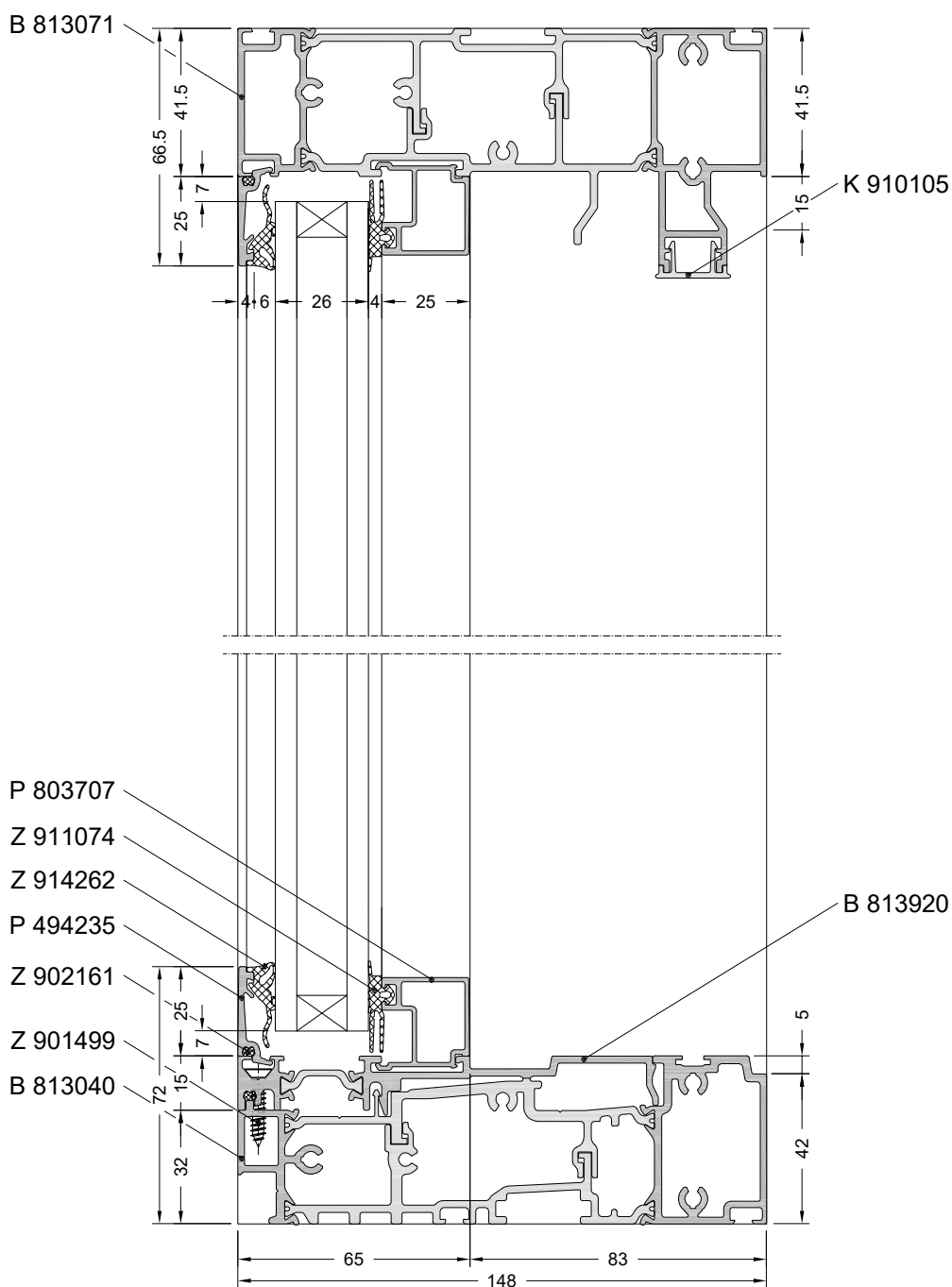
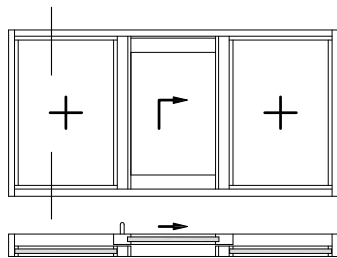
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910150
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813700
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813710
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813722
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813760
Schraube 4.2 x 22 Screw 4.2 x 22	in Kombi in Combi.	Z 901499
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Schraube 4.2 x 16 Screw 4.2 x 16	in Kombi in Combi.	Z 904057
Klemmdichtung Clamp gasket	100 m	Z 907686
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

SCHEMA MG1 - VERTIKALSCHNITT
SCHEME MG1 - VERTICAL SECTION

Schema MG1
Scheme MG1

Maßstab / Scale 1:2



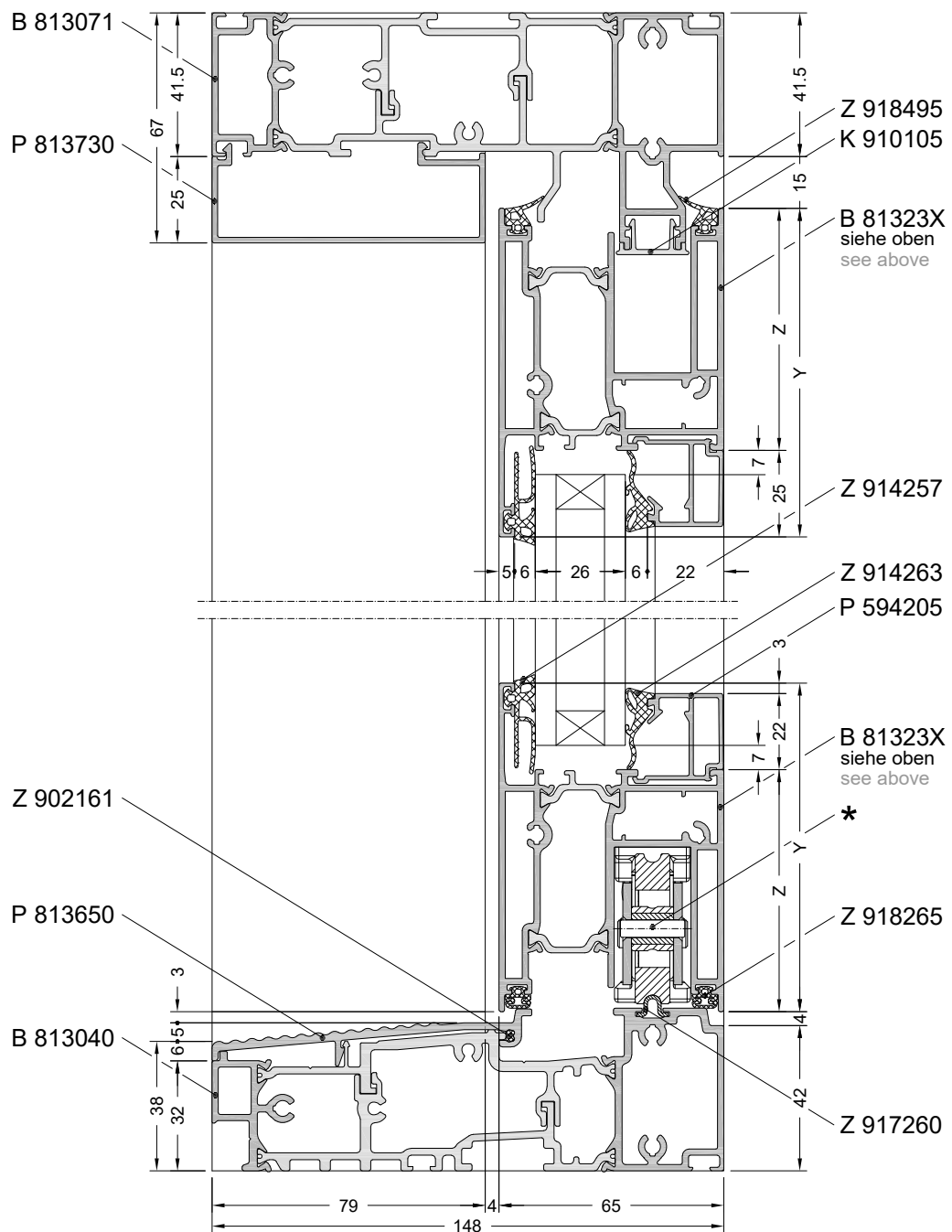
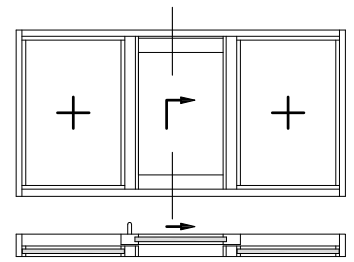
Artikel- und Systemzubehörtabellen siehe Seite A3-65
Article- and system accessories tables see page A3-65

SCHEMA MG1 - VERTIKALSCHNITT
SCHEMA MG1 - VERTICAL SECTION

Maßstab / Scale 1:2

Schema MG1
Scheme MG1

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting	
				bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813234	95	70	schubfest shear-proof	✓	✓
B 813235	95	70	schubweich flexible	✓	✓

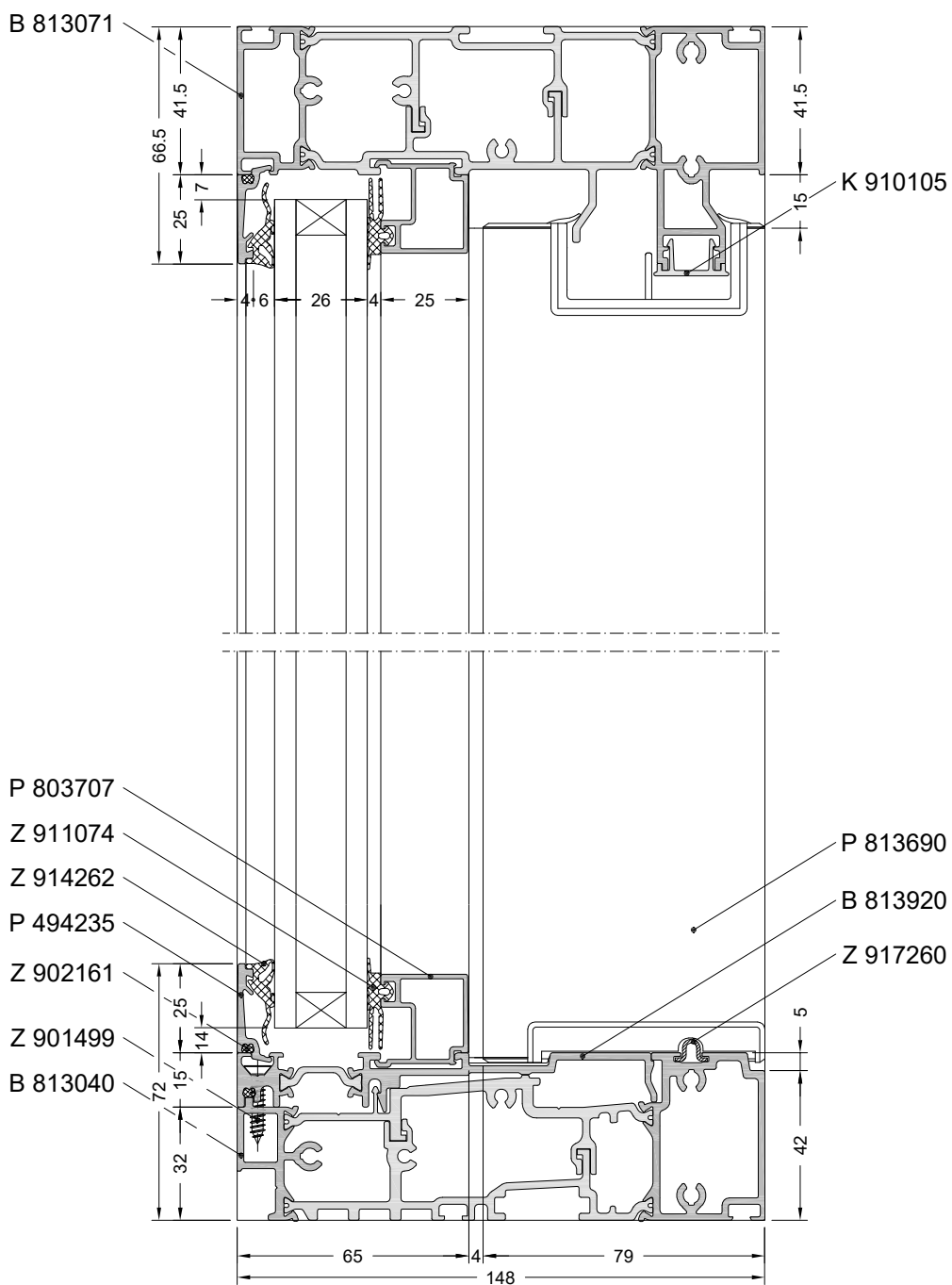
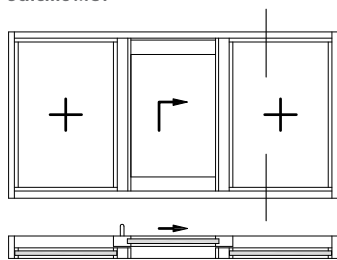


Artikel- und Systemzubehörtabellen siehe Seite A3-65
Article- and system accessories tables see page A3-65

SCHEMA MG1 - VERTIKALSCHNITT
SCHEME MG1 - VERTICAL SECTION

Schema MG1
Scheme MG1

Maßstab / Scale 1:2

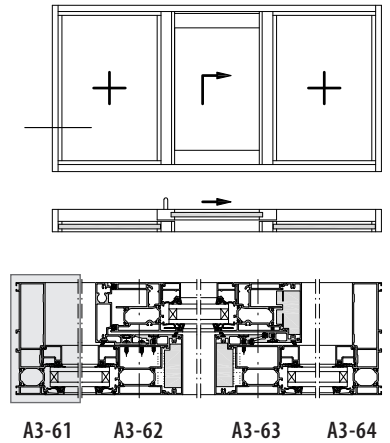


Artikel- und Systemzubehörtabellen siehe Seite A3-65
Article- and system accessories tables see page A3-65

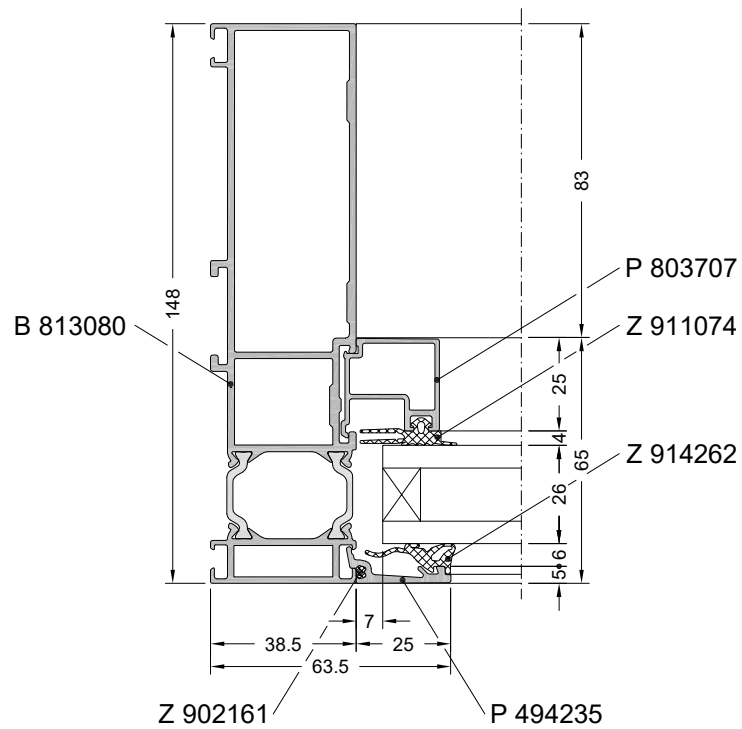
SCHEMA MG1 - HORIZONTALSCHNITT
 SCHEME MG1 - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema MG1
 Scheme MG1



A3 Profilschnitte
 Profile sections

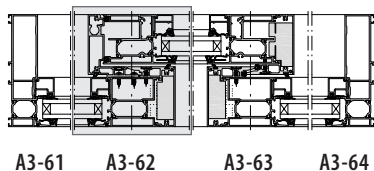
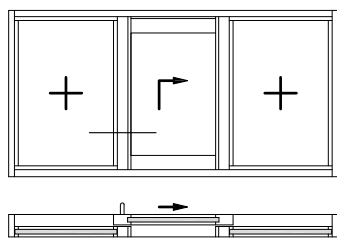


Artikel- und Systemzubehörtabellen siehe Seite A3-65
 Article- and system accessories tables see page A3-65

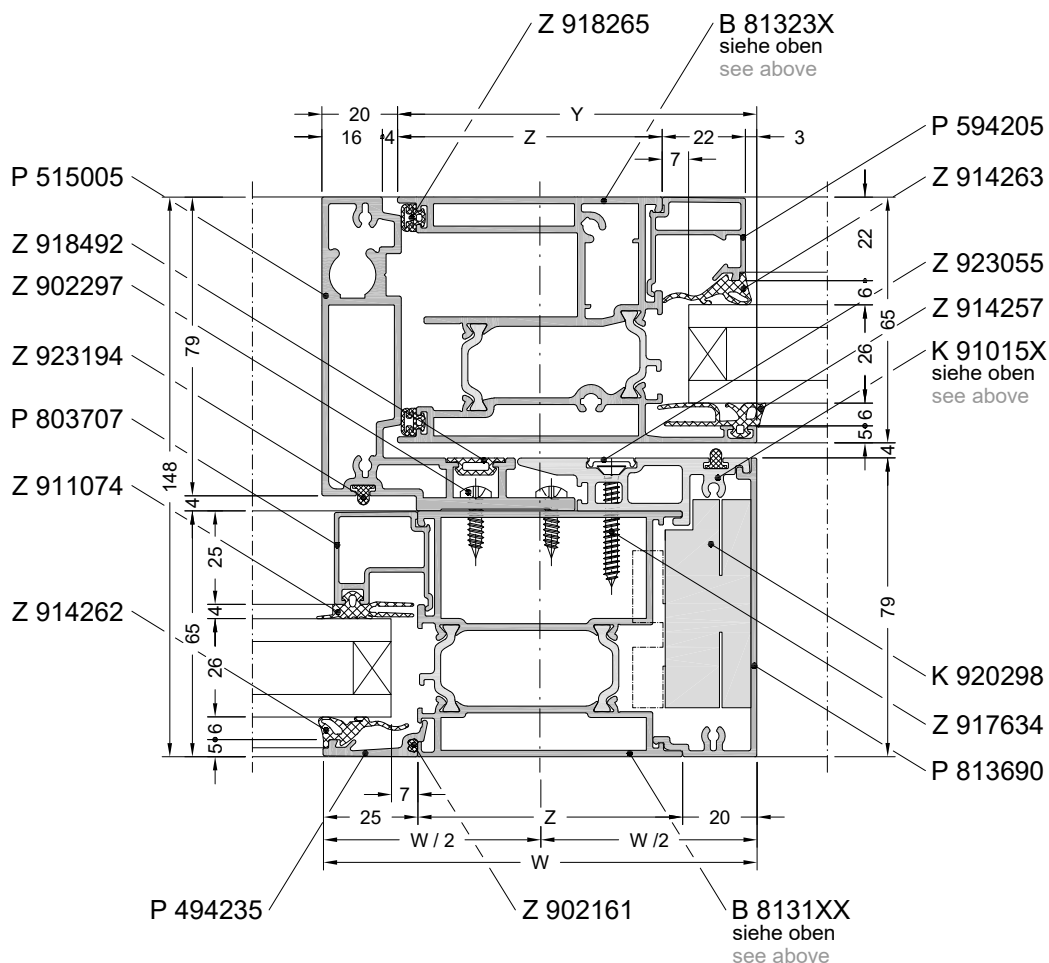
SCHEMA MG1 - HORIZONTALSCHNITT
SCHEME MG1 - HORIZONTAL SECTION

Schema MG1
Scheme MG1

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Pfosten Mullion profile	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813234	95	70	B 813110	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70		schubweich flexible	115	57,5	K 910154



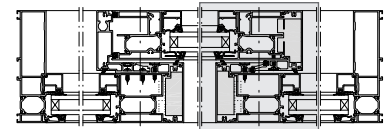
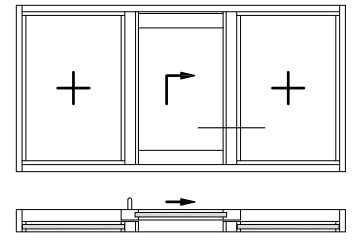
Artikel- und Systemzubehörtabellen siehe Seite A3-65
Article- and system accessories tables see page A3-65

SCHEMA MG1 - HORIZONTALSCHNITT
SCHEME MG1 - HORIZONTAL SECTION

Maßstab / Scale 1:2

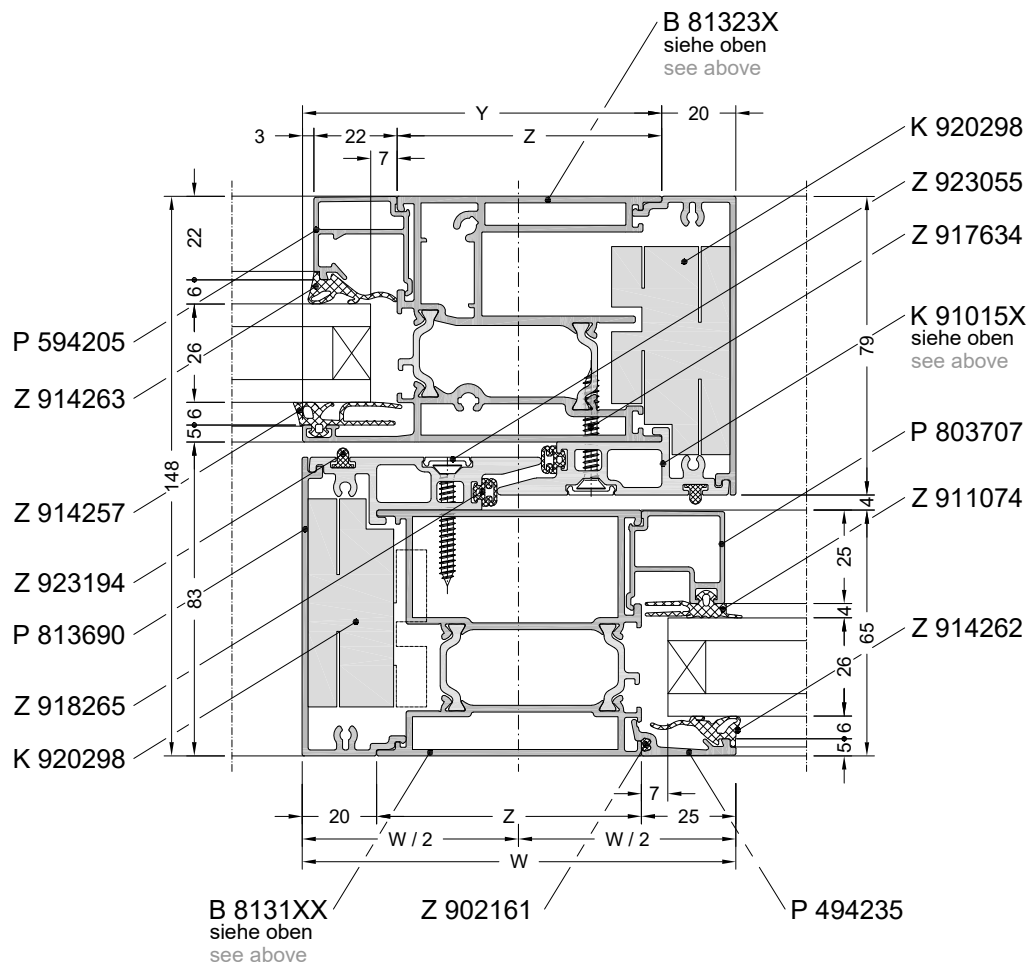
Schema MG1
Scheme MG1

Schiebeflügel Sliding sash	Y	Z	Pfosten Mullion profile	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813234	95	70	B 813110	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70		schubweich flexible	115	57,5	K 910154



Profilschnitte
Profile sections

A3

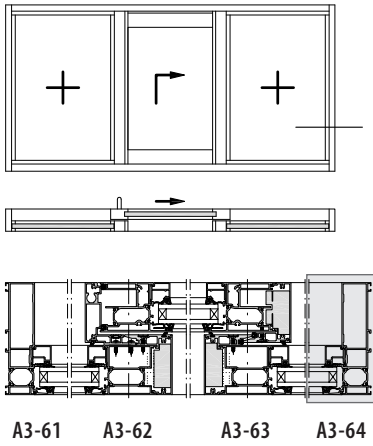


Artikel- und Systemzubehörtabellen siehe Seite A3-65
Article- and system accessories tables see page A3-65

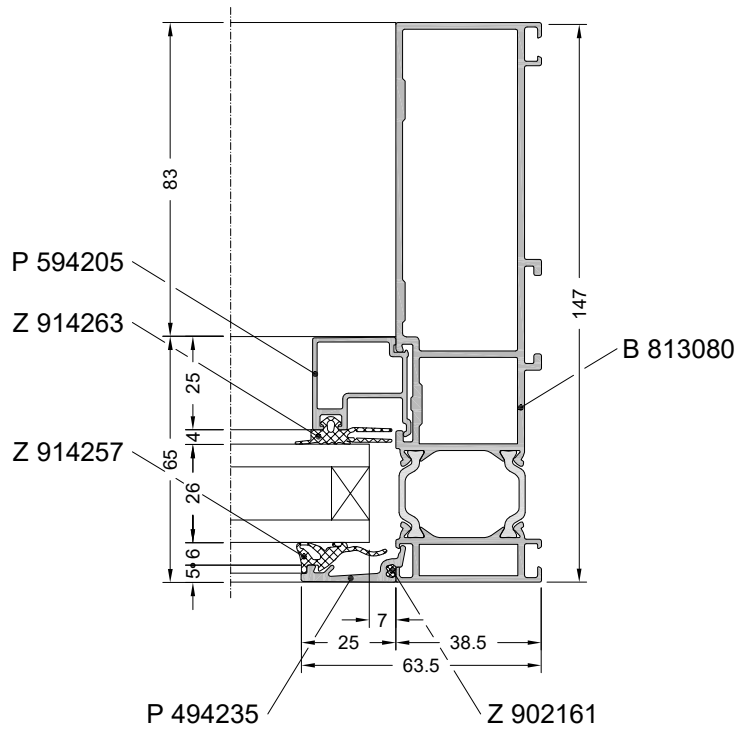
SCHEMA MG1 - HORIZONTALSCHNITT
SCHEME MG1 - HORIZONTAL SECTION

Schema MG1
Scheme MG1

Maßstab / Scale 1:2




A3-61 A3-62 A3-63 A3-64




Artikel- und Systemzubehörtabellen siehe Seite A3-65
Article- and system accessories tables see page A3-65

SCHEMA MG1 - TABELLEN
SCHEME MG1 - TABLES

	BLENDRAHMEN OBEN 148/41.5/41.5 FIXED FRAME TOP 148/41.5/41.5	Art. Nr. / Art. no. B 813071
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES





Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN SEITLICH 148/38.5/38.5 FIXED FRAME LATERAL 148/38.5/38.5	Art. Nr. / Art. no. B 813080
Lieferlänge (mm) / Stock length (mm)		6500

	SCHWELLENPROFIL 116/14/15 THRESHOLD PROFILE 116/14/15	Art. Nr. / Art. no. B 813920
Lieferlänge (mm) / Stock length (mm)		6500




	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

	SPROSSE MONORAIL 65/70/70 TRANSOM PROFILE MONORAIL 65/70/70	Art. Nr. / Art. no. B 813110
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20	Z 918127	Z 918128
 Stift Nail	100	Z 911513	Z 914351
 Dichtkissen Sealing pad	20	2x Z 914352	--

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

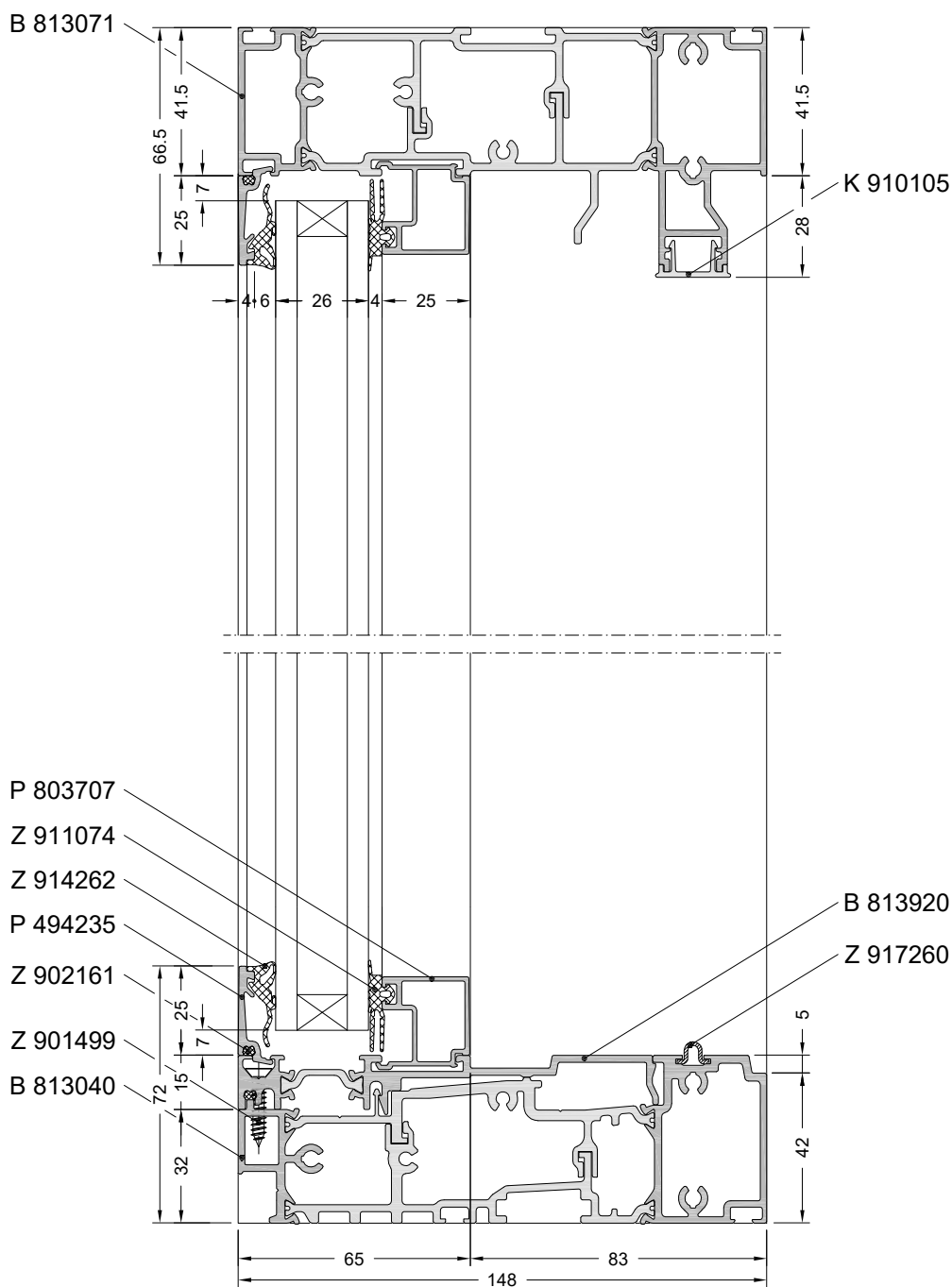
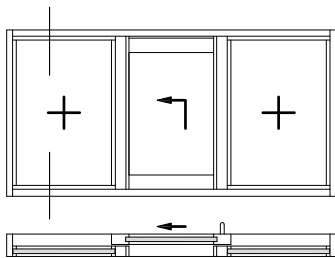
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 25 mm, aussen Glazing bead 25 mm, external	Lieferlänge / Stock length 6500 mm	P 494235
Anschlagprofil Rebate profile	Lieferlänge / Stock length 6500 mm	P 515005
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Glasleiste 25 mm, innen Glazing bead 25 mm, internal	Lieferlänge / Stock length 6500 mm	P 803707
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813730
Schraube 4.2 x 22 Screw 4.2 x 22	in Kombi in Combi.	Z 901499
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Schraube 4.2 x 16 Screw 4.2 x 16	100	Z 902297
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 911074
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914262
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Abdeckdichtung Cover gasket	50 m	Z 918492
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

SCHEMA MG2 - VERTIKALSCHNITT
SCHEME MG2 - VERTICAL SECTION

Schema MG2
Scheme MG2

Maßstab / Scale 1:2



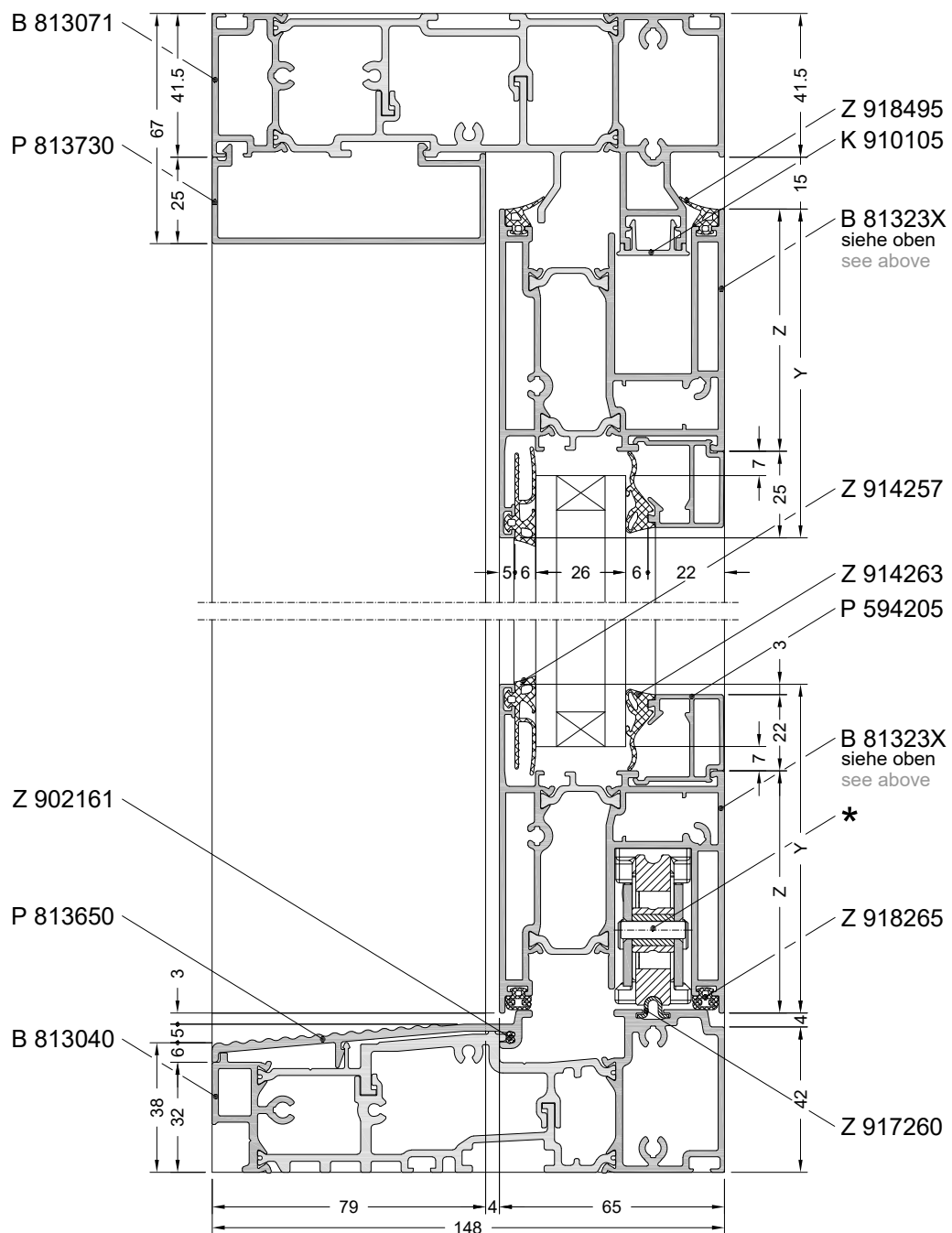
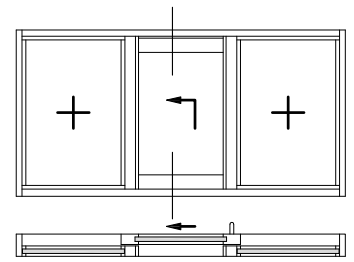
Artikel- und Systemzubehörtabellen siehe Seite A3-73
Article- and system accessories tables see page A3-73

SCHEMA MG2 - VERTIKALSCHNITT
SCHEMA MG2 - VERTICAL SECTION

Maßstab/Scale 1:2

Schema MG2
Scheme MG2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting	
				bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813234	95	70	schubfest shear-proof	✓	✓
B 813235	95	70	schubweich flexible	✓	✓

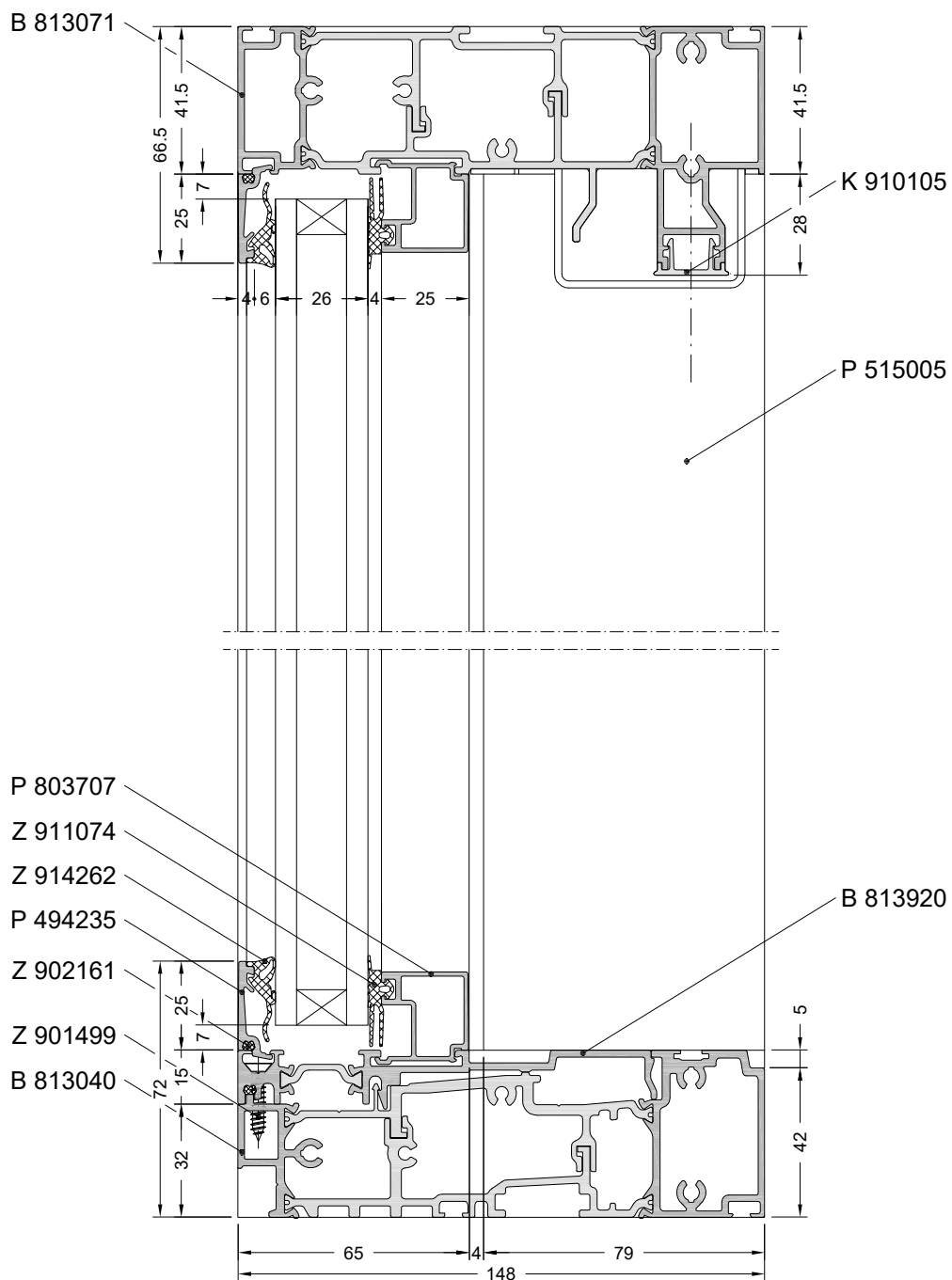
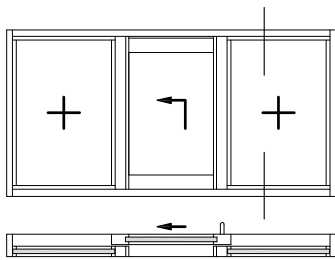


Artikel- und Systemzubehörtabellen siehe Seite A3-73
Article- and system accessories tables see page A3-73

SCHEMA MG2 - VERTIKALSCHNITT
SCHEME MG2 - VERTICAL SECTION

Schema MG2
Scheme MG2

Maßstab / Scale 1:2

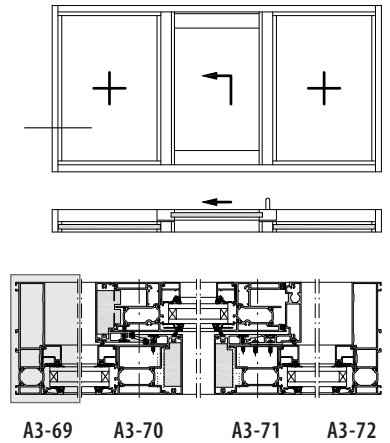


Artikel- und Systemzubehörtabellen siehe Seite A3-73
Article- and system accessories tables see page A3-73

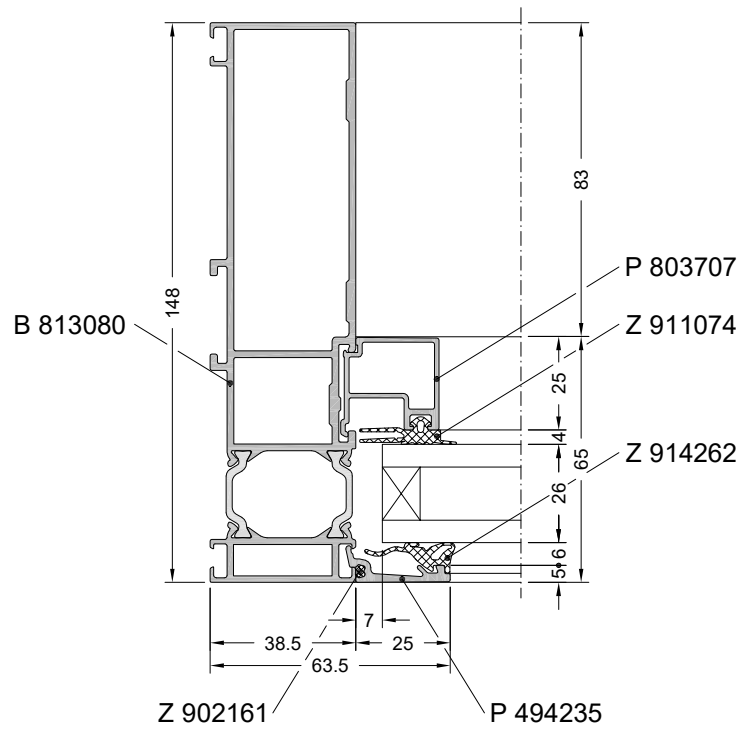
SCHEMA MG2 - HORIZONTALSCHNITT
 SCHEME MG2 - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema MG2
 Scheme MG2



A3
 Profilschnitte
 Profile sections

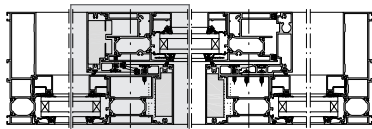
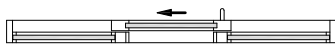
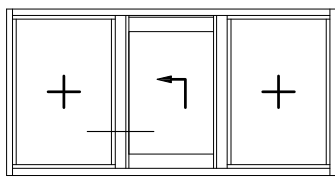


Artikel- und Systemzubehörtabellen siehe Seite A3-73
 Article- and system accessories tables see page A3-73

SCHEMA MG2 - HORIZONTALSCHNITT
SCHEME MG2 - HORIZONTAL SECTION

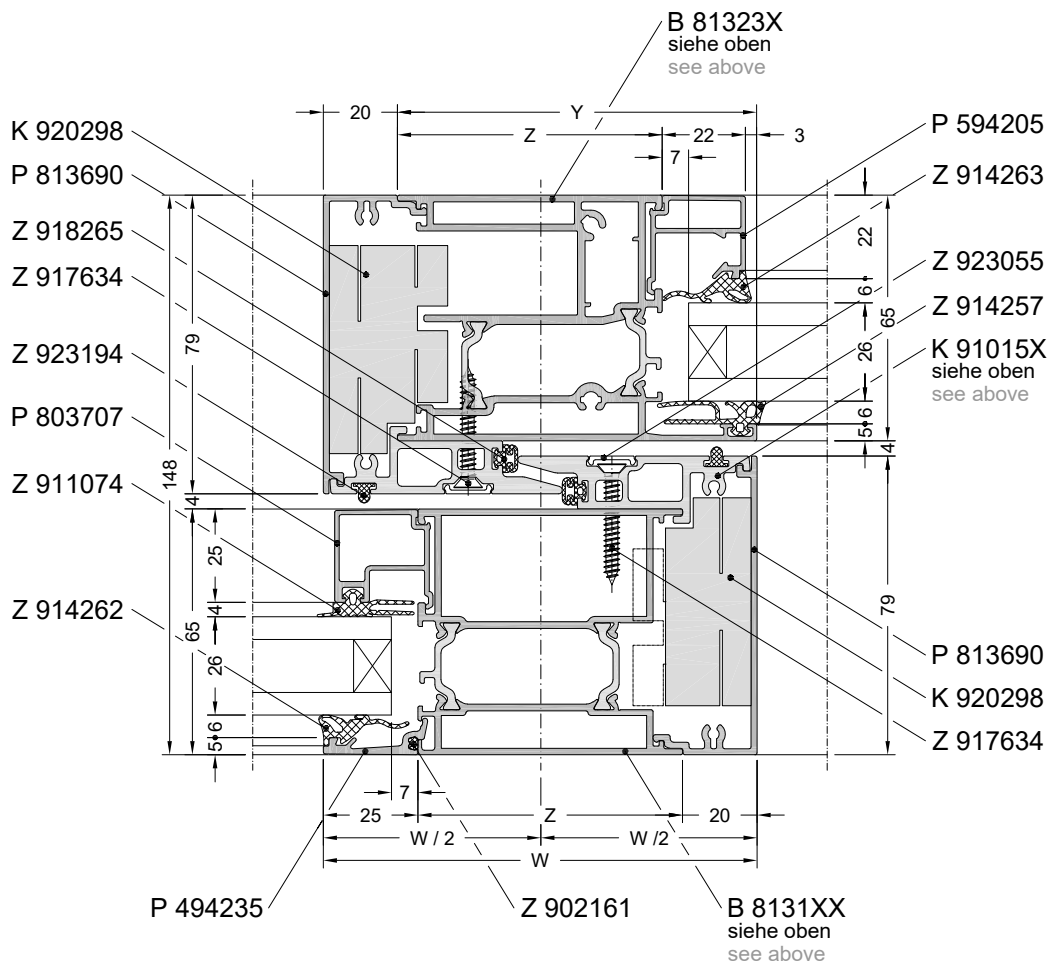
Schema MG2
Scheme MG2

Maßstab / Scale 1:2



A3-69 A3-70 A3-71 A3-72

Schiebeflügel Sliding sash	Y	Z	Pfosten Mullion profile	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813234	95	70	B 813110	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70		schubweich flexible	115	57,5	K 910154



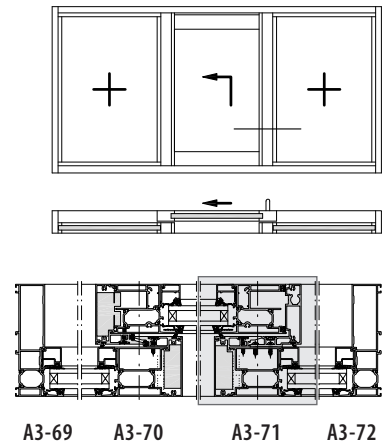
Artikel- und Systemzubehörtabellen siehe Seite A3-73
Article- and system accessories tables see page A3-73

SCHEMA MG2 - HORIZONTALSCHNITT
SCHEMA MG2 - HORIZONTAL SECTION

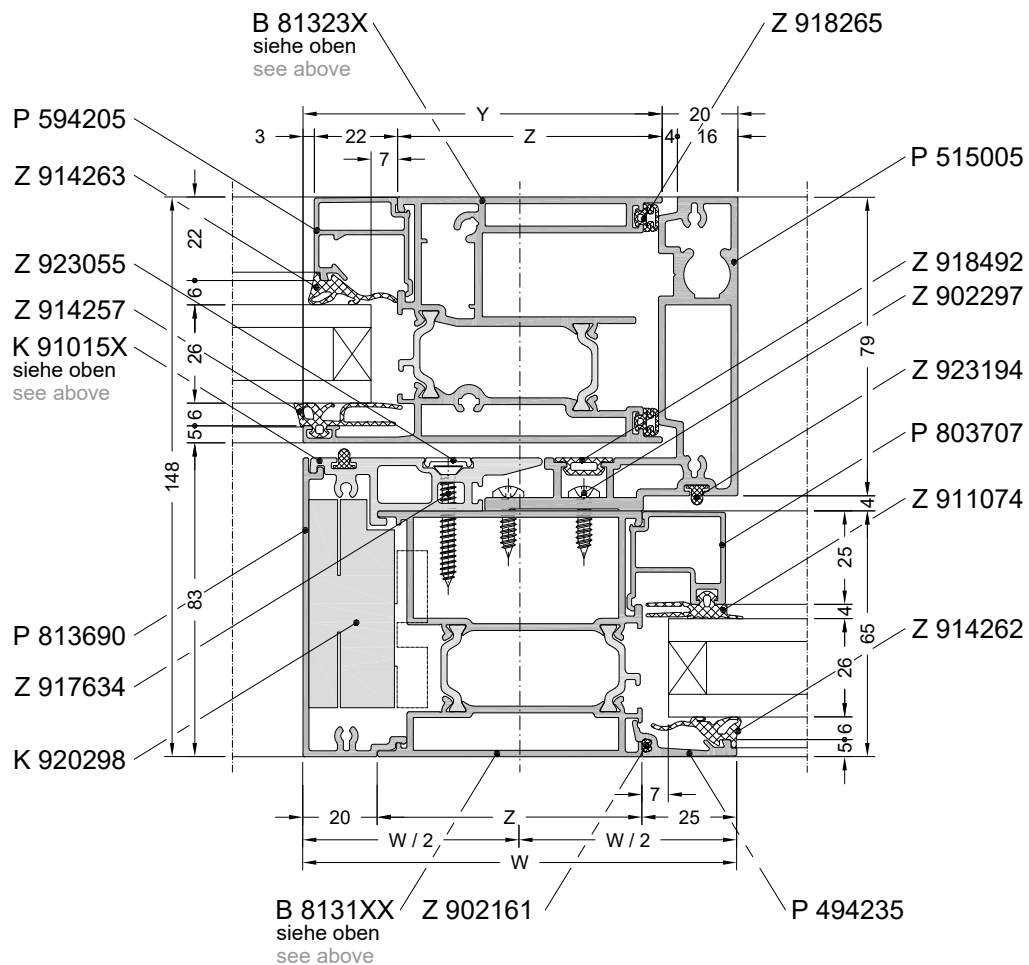
Maßstab / Scale 1:2

Schema MG2
Scheme MG2

Schiebeflügel Sliding sash	Y	Z	Pfosten Mullion profile	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813234	95	70	B 813110	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70		schubweich flexible	115	57,5	K 910154



A3
Profilschnitte
Profile sections

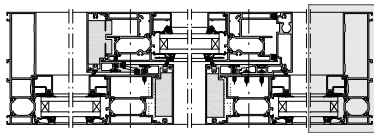
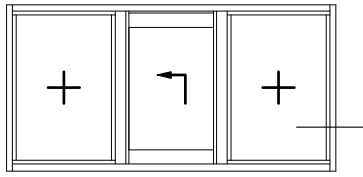


Artikel- und Systemzubehörtabellen siehe Seite A3-73
Article- and system accessories tables see page A3-73

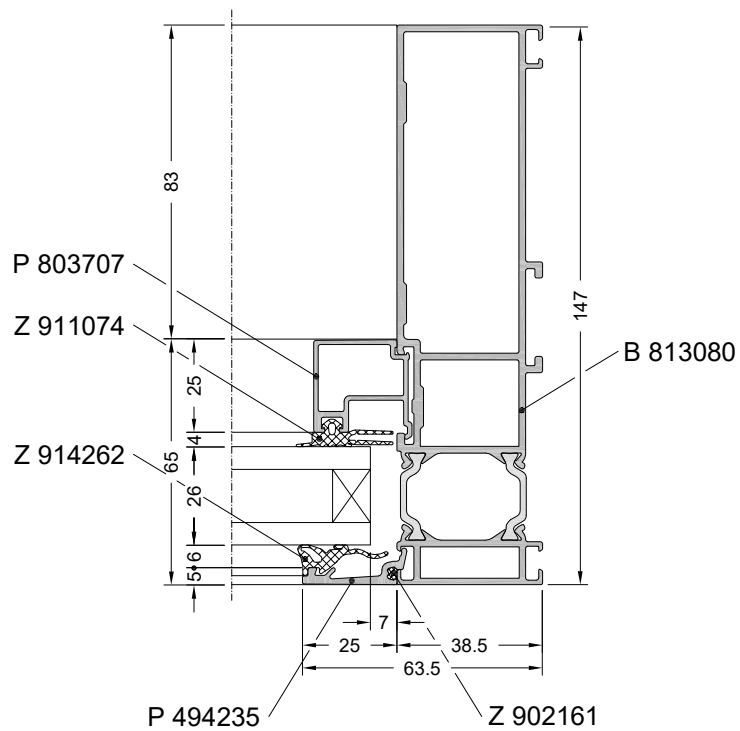
SCHEMA MG2 - HORIZONTALSCHNITT
SCHEME MG2 - HORIZONTAL SECTION

Schema MG2
Scheme MG2

Maßstab / Scale 1:2




A3-69 A3-70 A3-71 A3-72




Artikel- und Systemzubehörtabellen siehe Seite A3-73
Article- and system accessories tables see page A3-73


SCHEMA MG2 - TABELLEN
SCHEME MG2 - TABLES


	BLENDRAHMEN OBEN 148/41.5/41.5 FIXED FRAME TOP 148/41.5/41.5	Art. Nr. / Art. no. B 813071
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094





	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094




	BLENDRAHMEN SEITLICH 148/38.5/38.5 FIXED FRAME LATERAL 148/38.5/38.5	Art. Nr. / Art. no. B 813080
Lieferlänge (mm) / Stock length (mm)		6500

	SCHWELLENPROFIL 116/14/15 THRESHOLD PROFILE 116/14/15	Art. Nr. / Art. no. B 813920
Lieferlänge (mm) / Stock length (mm)		6500

	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	200	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

	SPROSSE MONORAIL 65/70/70 TRANSOM PROFILE MONORAIL 65/70/70	Art. Nr. / Art. no. B 813110
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20	Z 918127	Z 918128
 Stift Nail	100	Z 911513	Z 914351
 Dichtkissen Sealing pad	20	2x Z 914352	--

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

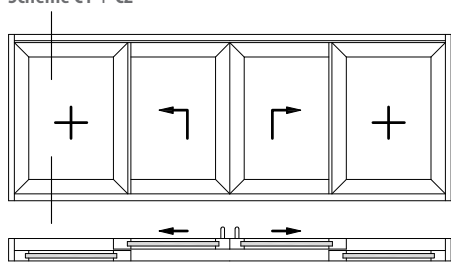
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 25 mm, aussen Glazing bead 25 mm, external	Lieferlänge / Stock length 6500 mm	P 494235
Anschlagprofil Rebate profile	Lieferlänge / Stock length 6500 mm	P 515005
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Glasleiste 25 mm, innen Glazing bead 25 mm, internal	Lieferlänge / Stock length 6500 mm	P 803707
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813730
Schraube 4.2 x 22 Screw 4.2 x 22	in Kombi in Combi.	Z 901499
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Schraube 4.2 x 16 Screw 4.2 x 16	100	Z 902297
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 911074
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914262
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Abdeckdichtung Cover gasket	50 m	Z 918492
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

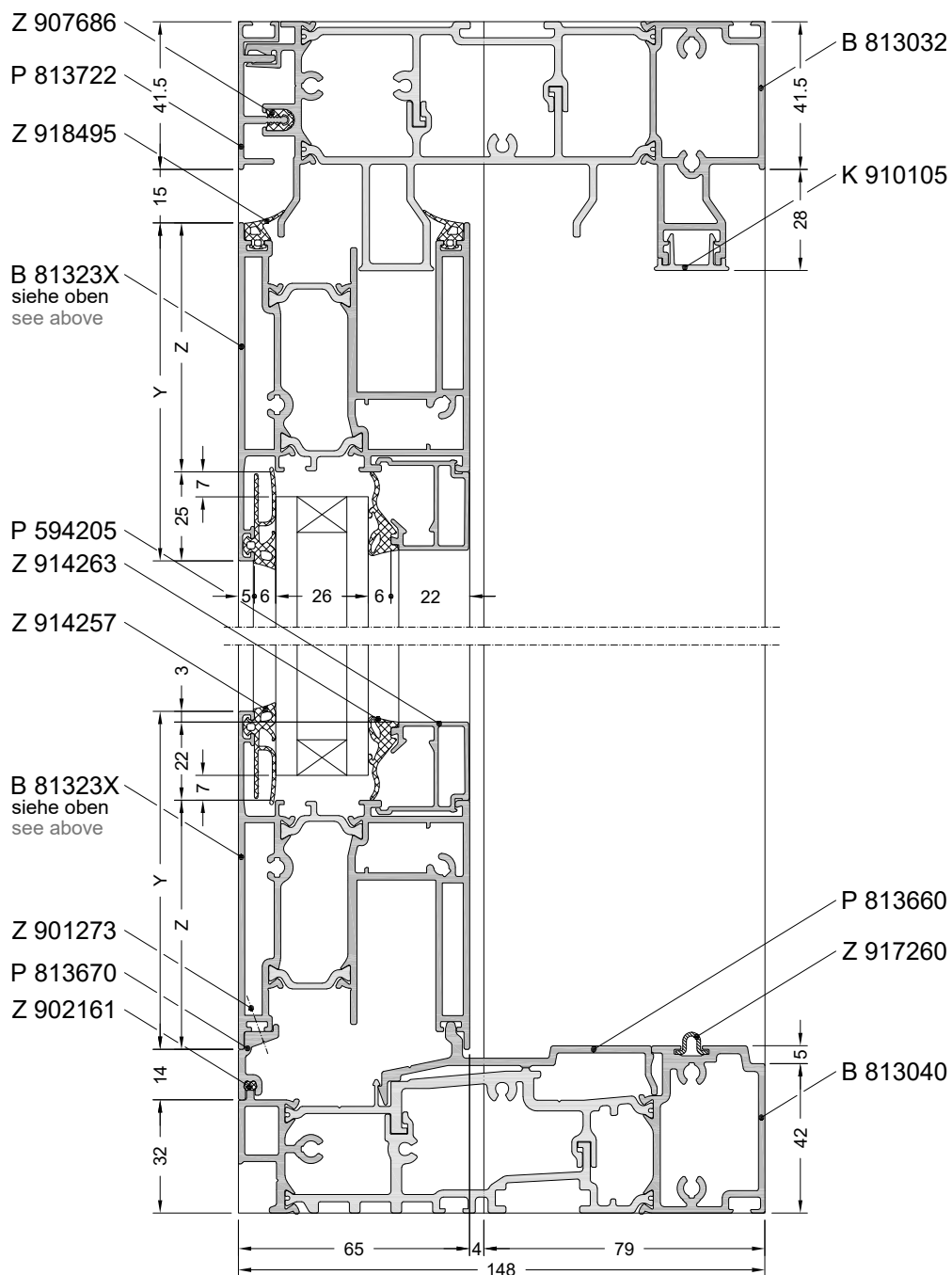
SCHEMA C1 + C2 - VERTIKALSCHNITT
SCHEME C1 + C2 - VERTICAL SECTION

Schema C1 + C2
Scheme C1 + C2

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



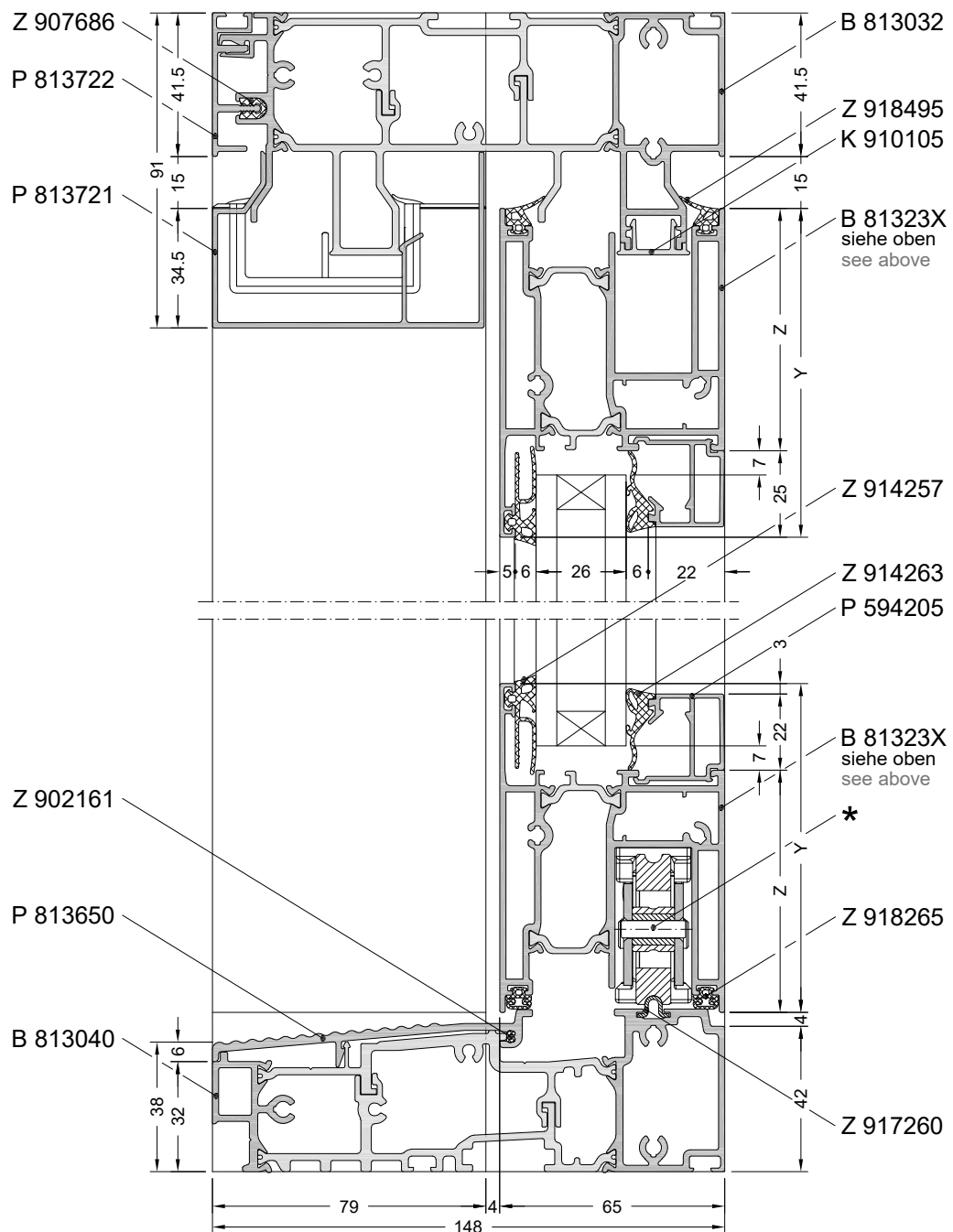
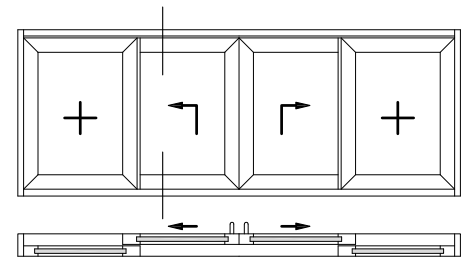
Artikel- und Systemzubehörtabelle siehe Seite A3-83
Article- and system accessories tables see page A3-83

SCHEMA C1 + C2 - VERTIKALSCHNITT
SCHEME C1 + C2 - VERTICAL SECTION

Maßstab / Scale 1:2

Schema C1 + C2
Scheme C1 + C2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓

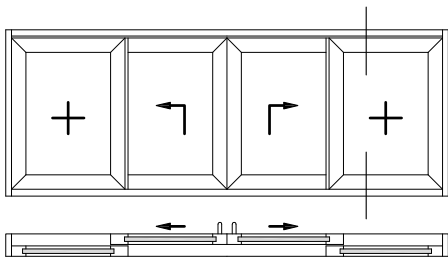


Artikel- und Systemzubehörtabellen siehe Seite A3-83
Article- and system accessories tables see page A3-83

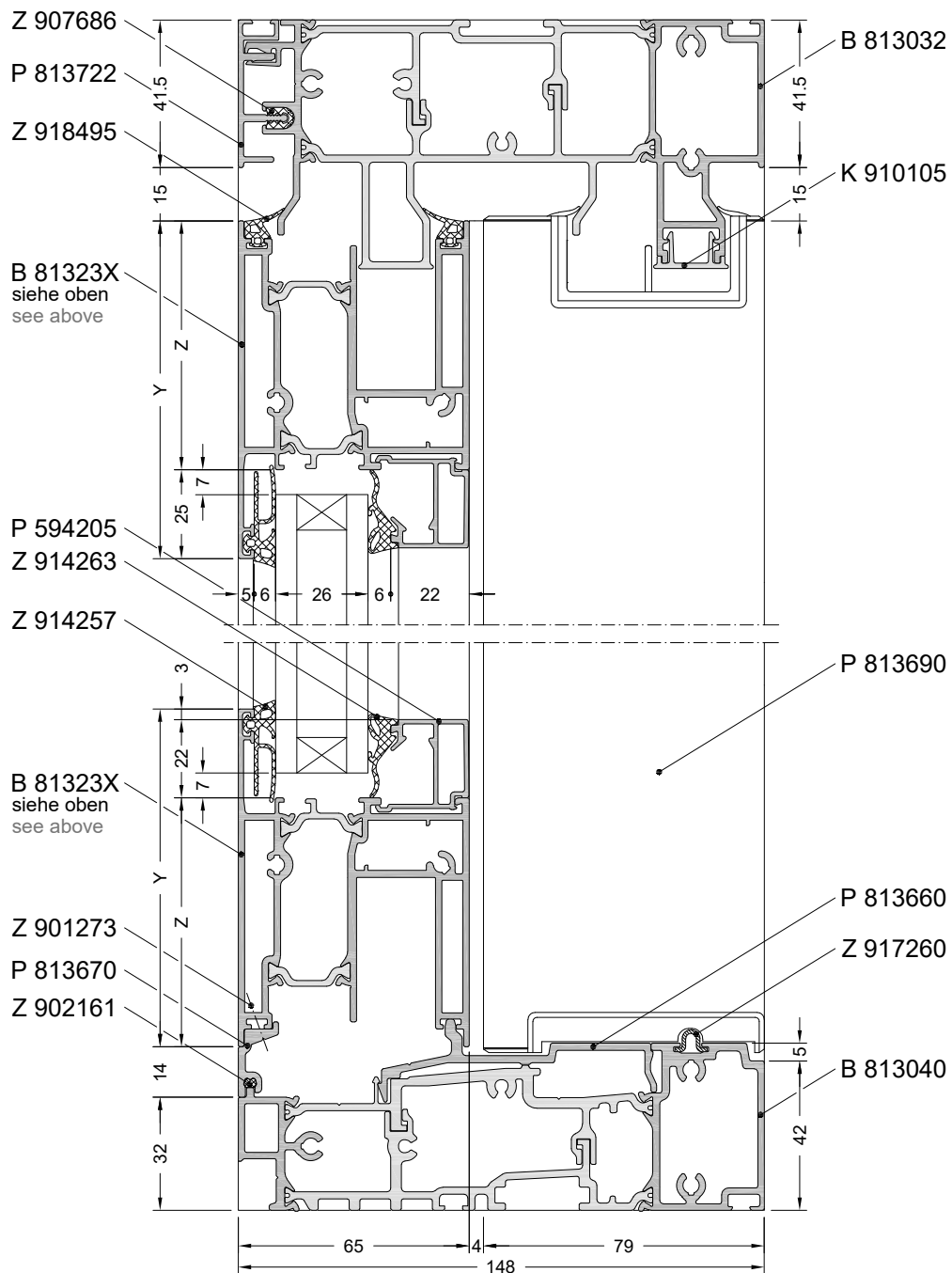
SCHEMA C1 + C2 - VERTIKALSCHNITT
SCHEME C1 + C2 - VERTICAL SECTION

Schema C1 + C2
Scheme C1 + C2

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



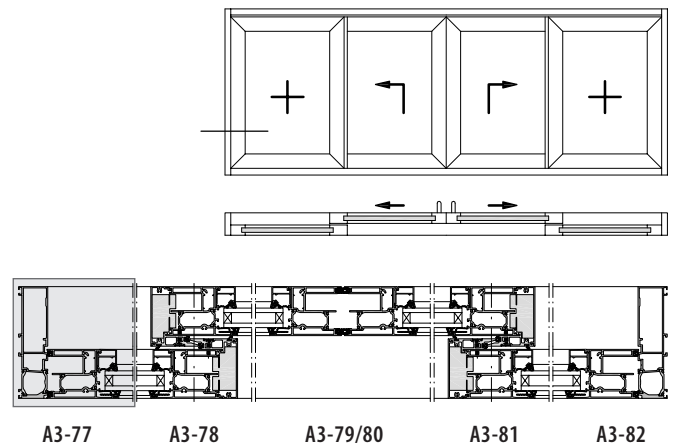
Artikel- und Systemzubehörtabellen siehe Seite A3-83
Article- and system accessories tables see page A3-83

SCHEMA C1 + C2 - HORIZONTALSCHNITT
SCHEME C1 + C2 - HORIZONTAL SECTION

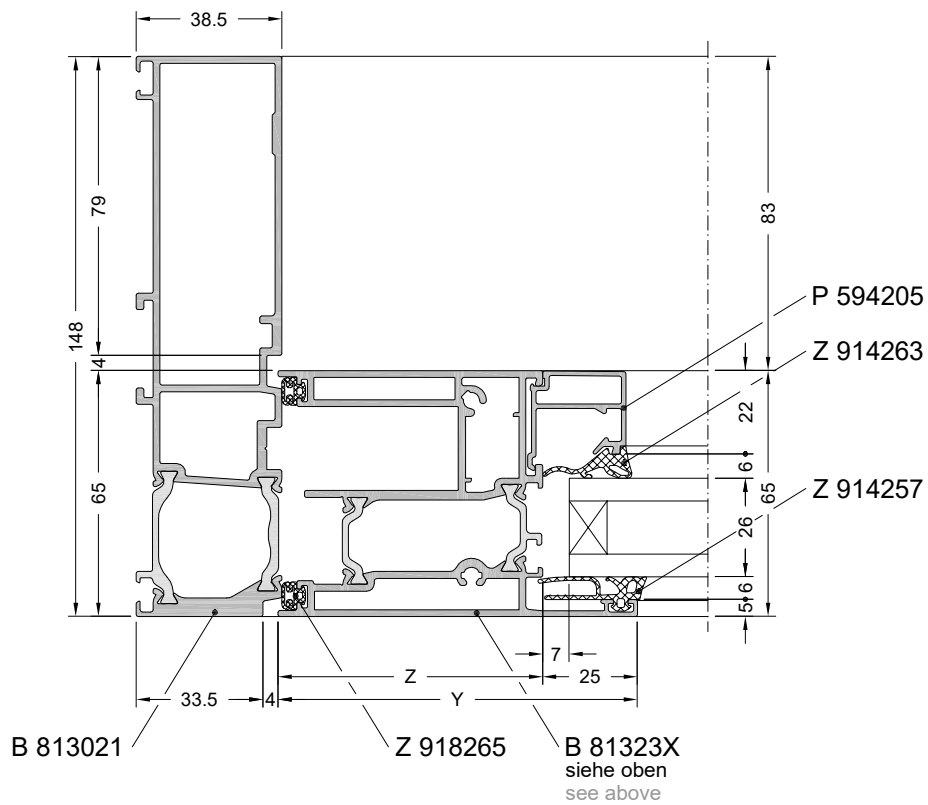
Maßstab / Scale 1:2

Schema C1 + C2
Scheme C1 + C2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



A3
Profilschnitte
Profile sections

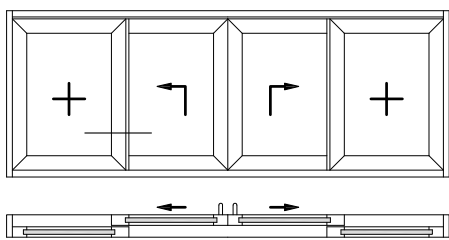


Artikel- und Systemzubehörtabellen siehe Seite A3-83
Article- and system accessories tables see page A3-83

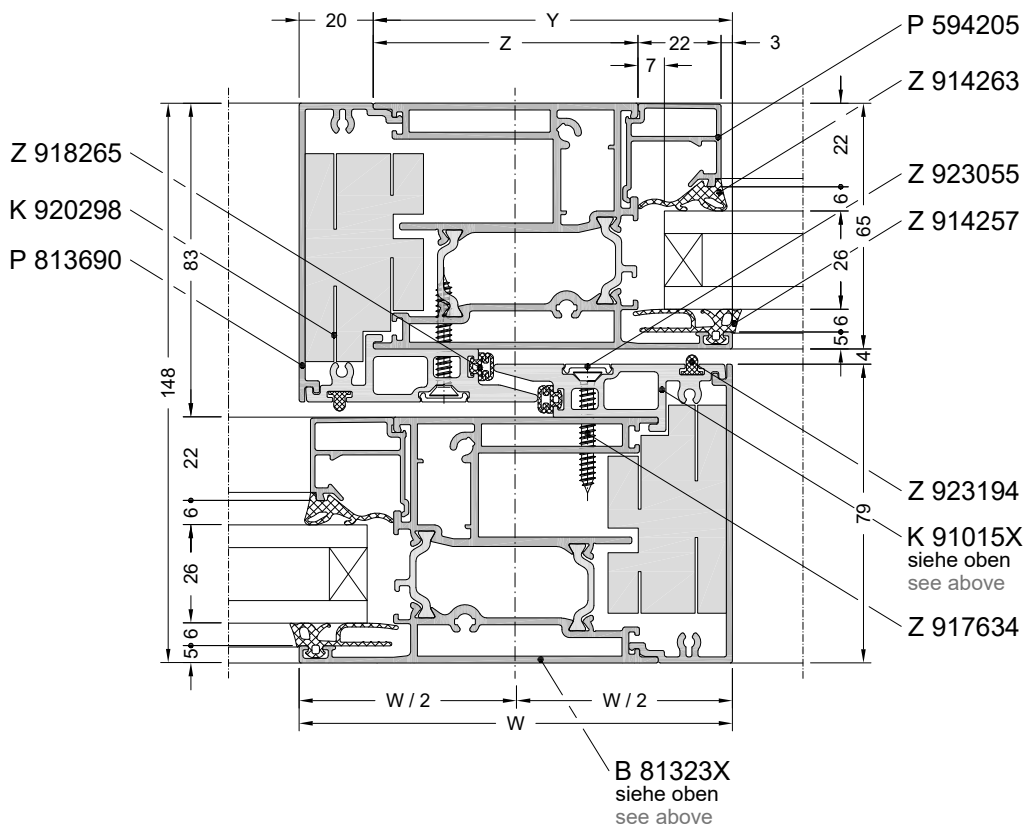
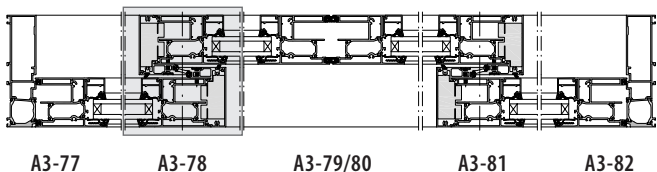
SCHEMA C1 + C2 - HORIZONTALSCHNITT
SCHEME C1 + C2 - HORIZONTAL SECTION

Schema C1 + C2
Scheme C1 + C2

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58	schubweich flexible	103	51,5	K 910153
B 813234	95	70	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70	schubweich flexible	115	57,5	K 910154



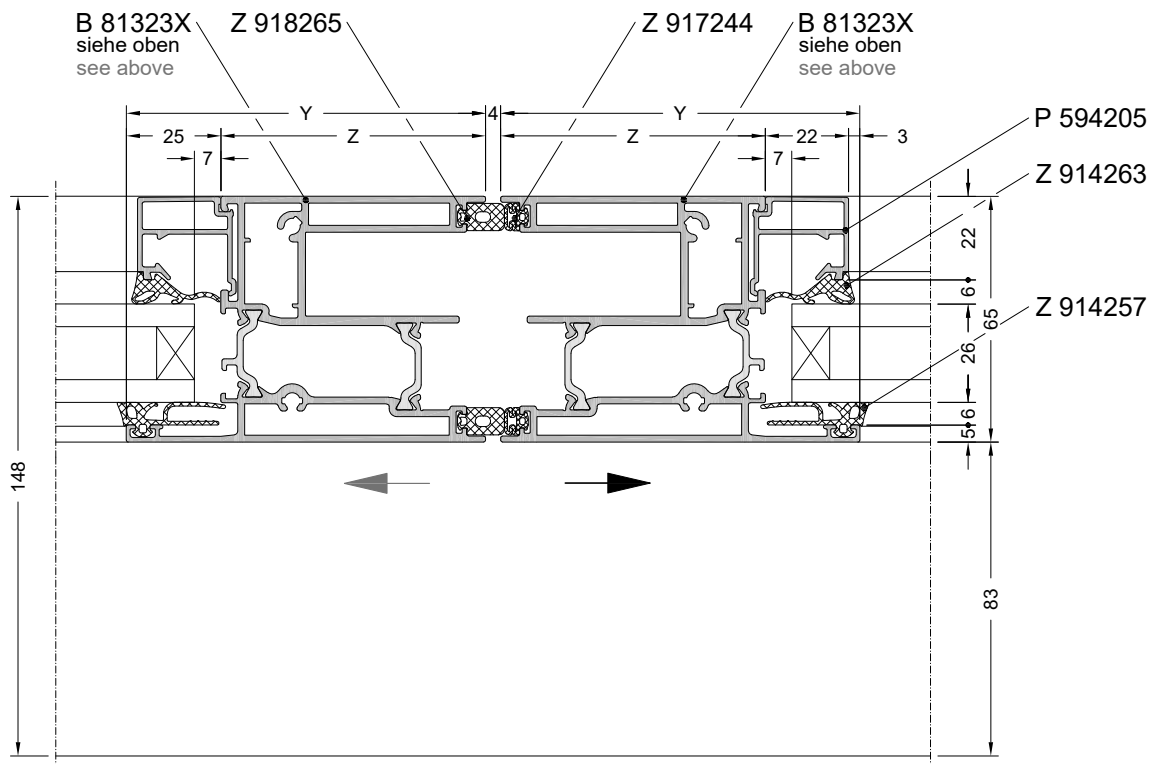
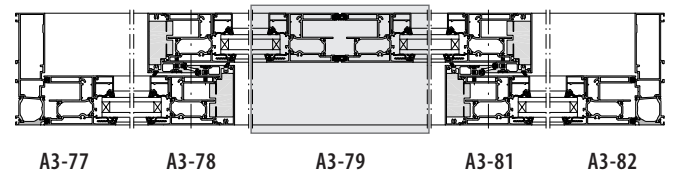
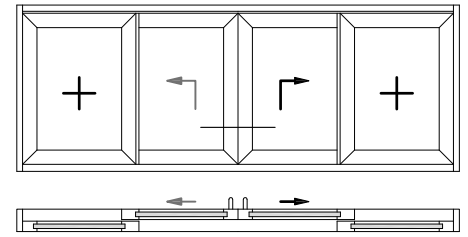
Artikel- und Systemzubehörtabellen siehe Seite A3-83
Article- and system accessories tables see page A3-83

SCHEMA C1 - HORIZONTALSCHNITT
SCHEME C1 - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema C1
Scheme C1

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible

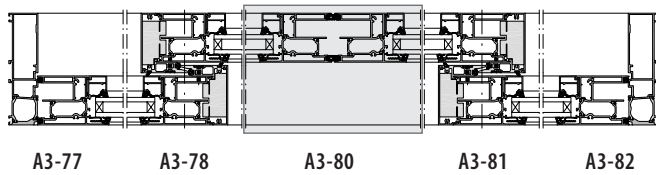
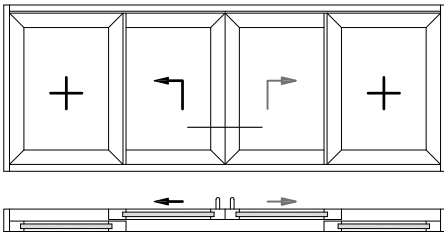


Artikel- und Systemzubehörtabellen siehe Seite A3-83
Article- and system accessories tables see page A3-83

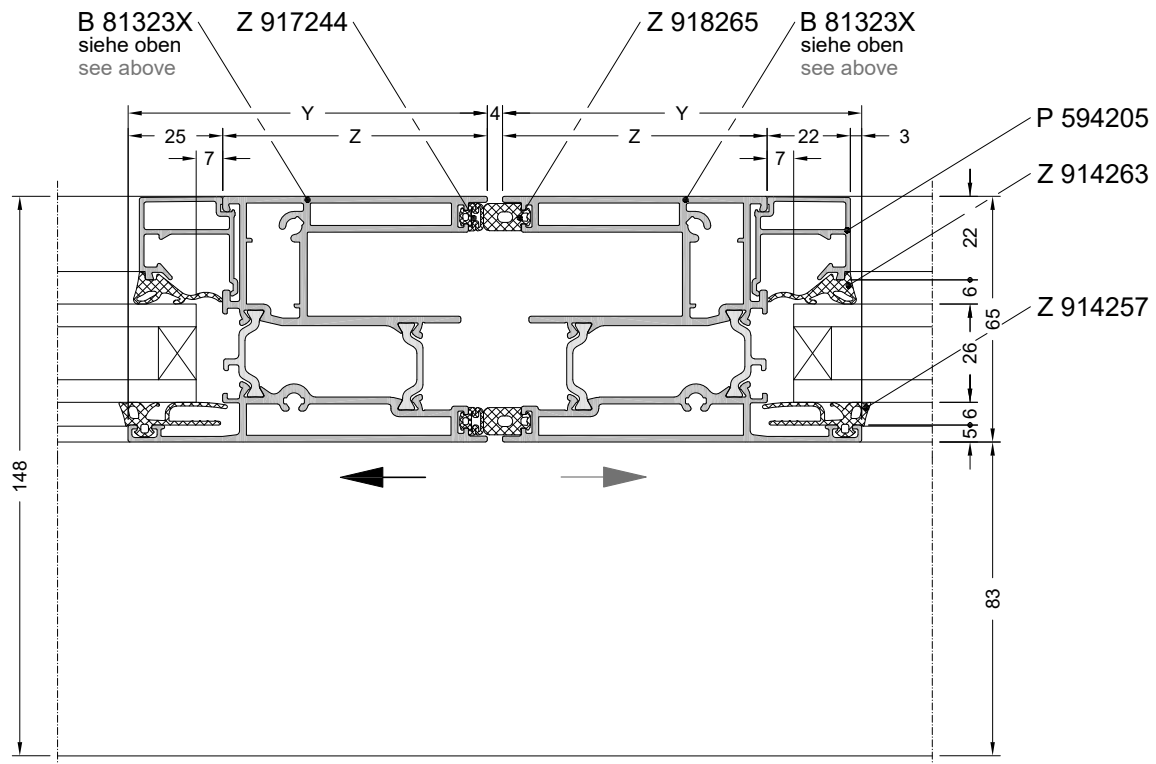
SCHEMA C2 - HORIZONTALSCHNITT
SCHEME C2 - HORIZONTAL SECTION

Schema C2
Scheme C2

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



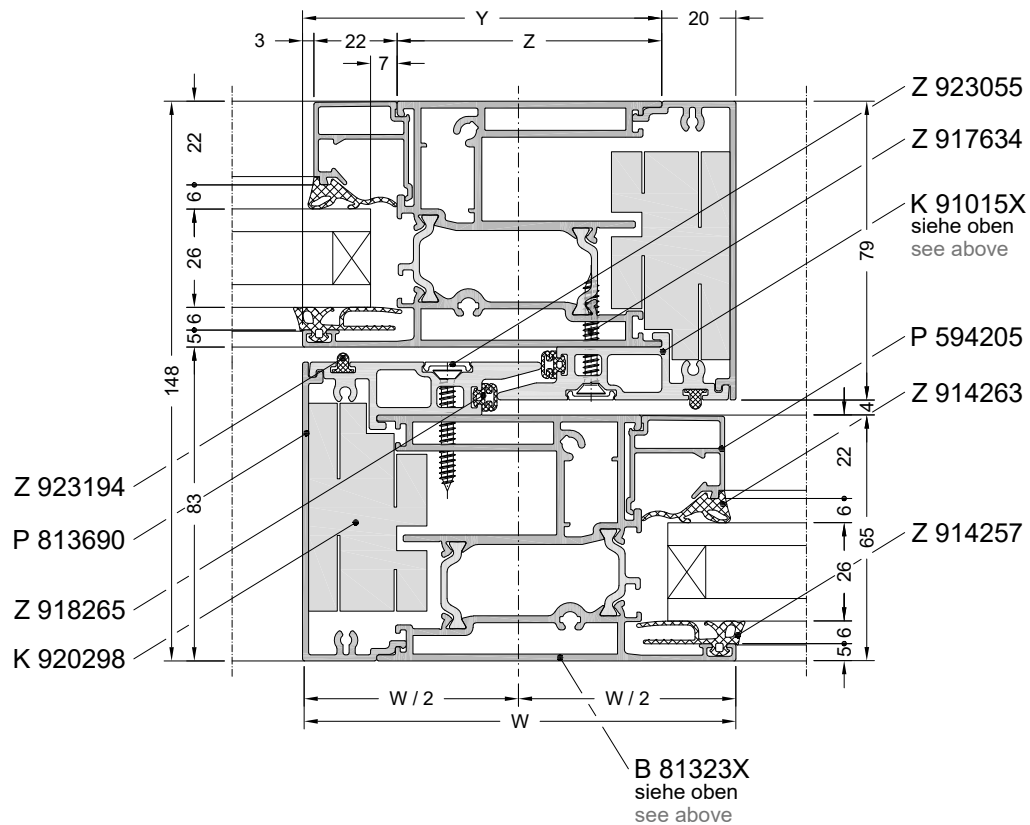
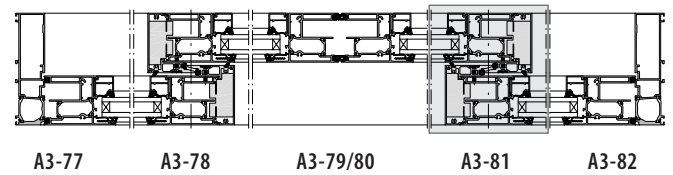
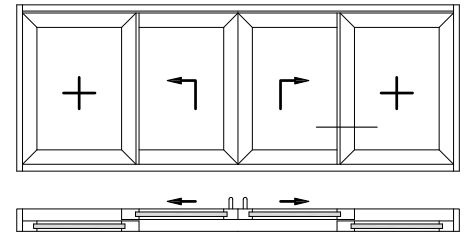
Artikel- und Systemzubehörtabellen siehe Seite A3-83
Article- and system accessories tables see page A3-83

SCHEMA C1 + C2 - HORIZONTALSCHNITT
SCHEME C1 + C2 - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema C1 + C2
Scheme C1 + C2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58	schubweich flexible	103	51,5	K 910153
B 813234	95	70	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70	schubweich flexible	115	57,5	K 910154

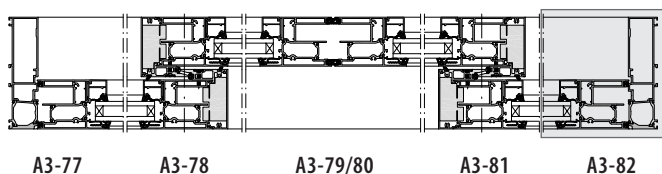
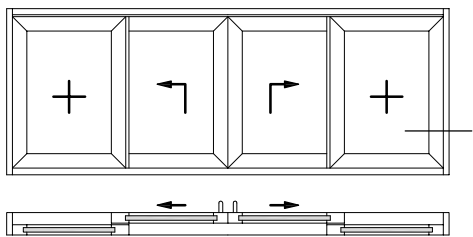


Artikel- und Systemzubehörtabellen siehe Seite A3-83
Article- and system accessories tables see page A3-83

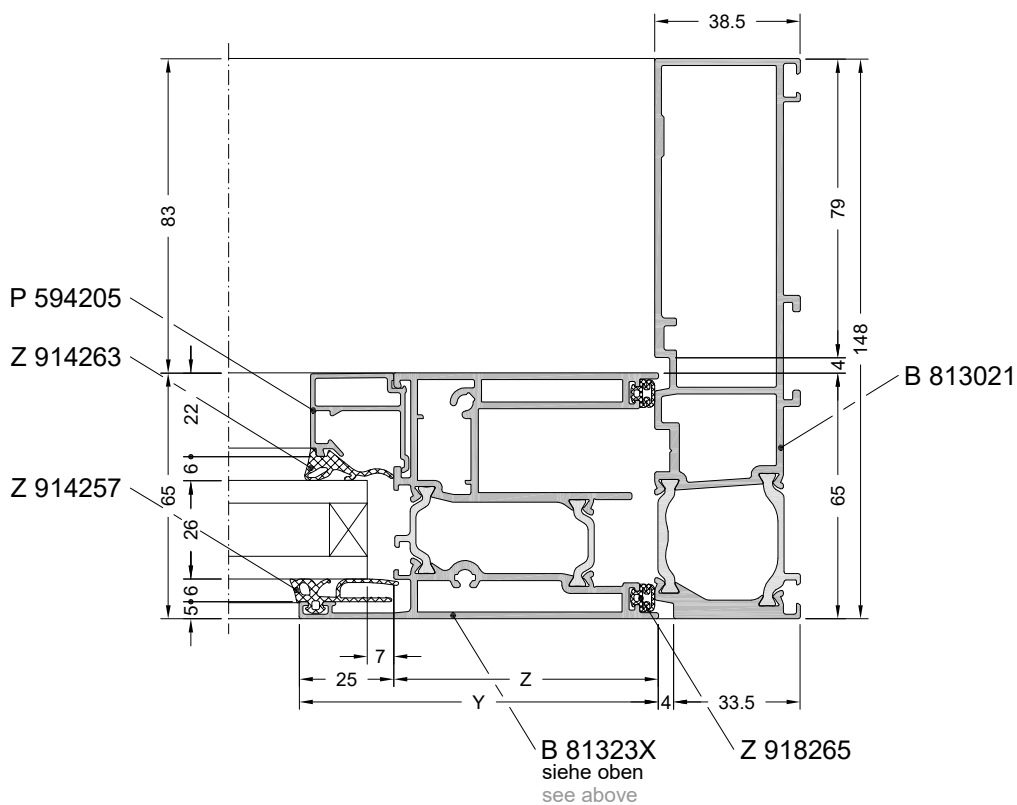
SCHEMA C1 + C2 - HORIZONTALSCHNITT
SCHEME C1 + C2 - HORIZONTAL SECTION

Schema C1 + C2
Scheme C1 + C2

Maßstab / Scale 1:2




Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible




Artikel- und Systemzubehörtabellen siehe Seite A3-83
Article- and system accessories tables see page A3-83


SCHEMA C1 + C2 - TABELLEN
SCHEME C1 + C2 - TABLES


	BLENDRAHMEN OBEN 146/41.5/60.5 FIXED FRAME TOP 146/41.5/60.5	Art. Nr. / Art. no. B 813032
Lieferlänge (mm) / Stock length (mm)		6500





PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500





PROFILZUBEHÖR / PROFILE ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094

	BLENDRAHMEN SEITLICH 148/38.5/33.5 FIXED FRAME LATERAL 148/38.5/33.5	Art. Nr. / Art. no. B 813021
Lieferlänge (mm) / Stock length (mm)		6500

	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES				
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.		
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal	
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258	
 Stift Nail	100	2x Z 911049	2x Z 900023	
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--	
 Dämmkern Insulating core	137	K 920326		

	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES				
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.		
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal	
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256	
 Stift Nail	100	2x Z 911049	2x Z 900023	
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--	
 Dämmkern Insulating core	98	K 920324		

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

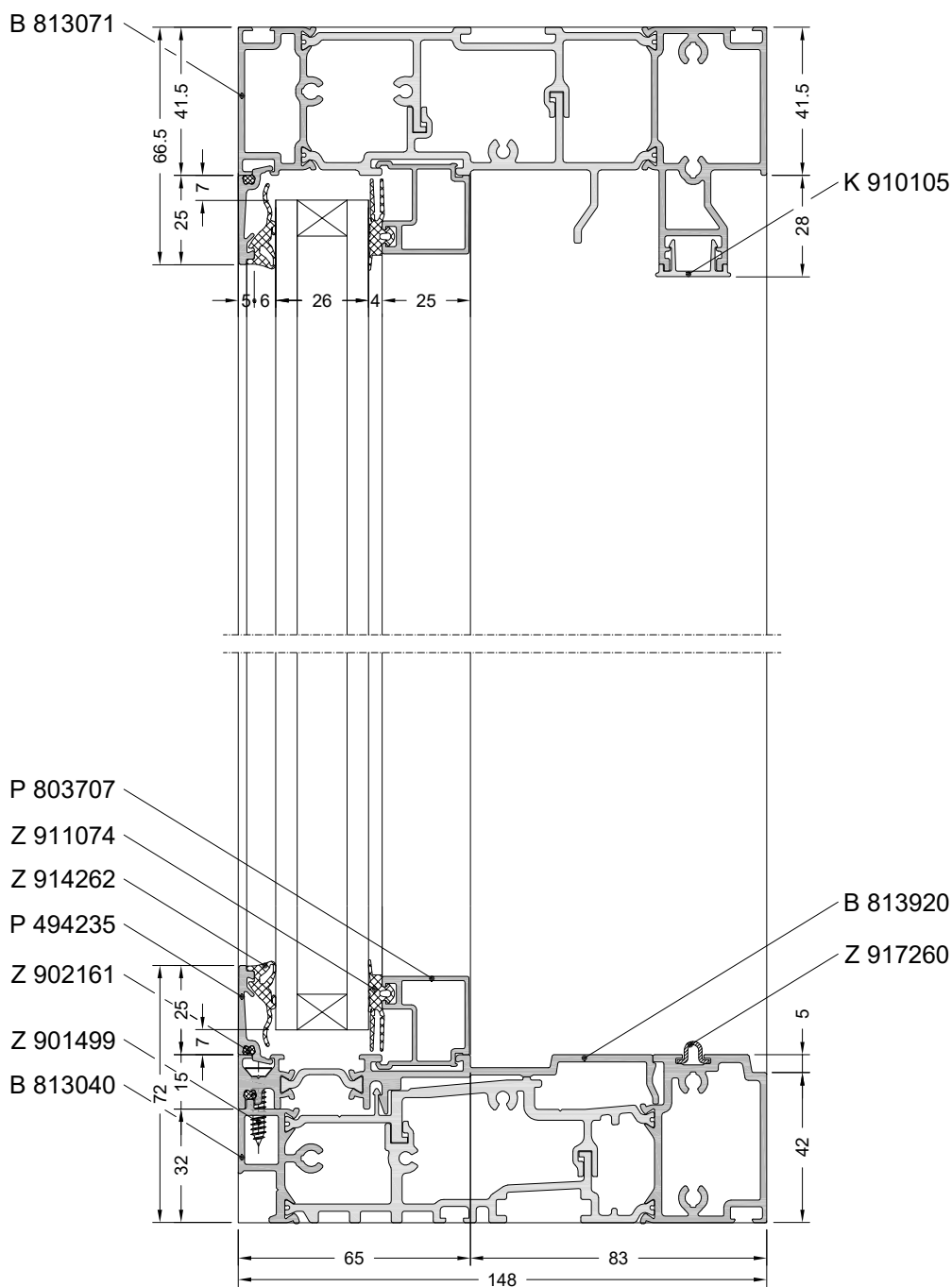
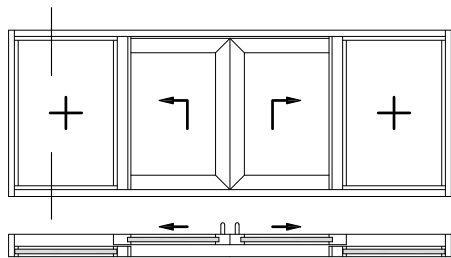
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910153
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813660
Zusatzprofil Supplementary profile	Lieferlänge / Stock length 6500 mm	P 813670
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813721
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813722
Schraube 3.9 x 13 Screw 3.9 x 13	in Kombi in Combi.	Z 901273
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Klemmdichtung Clamp gasket	100 m	Z 907686
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Anschlagdichtung, Flügelstoß Rebate gasket, sash joint	25 m	Z 917244
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

SCHEMA MC1 + MC2 - VERTIKALSCHNITT
SCHEME MC1 + MC2 - VERTICAL SECTION

Schema MC1 + MC2
Scheme MC1 + MC2

Maßstab / Scale 1:2



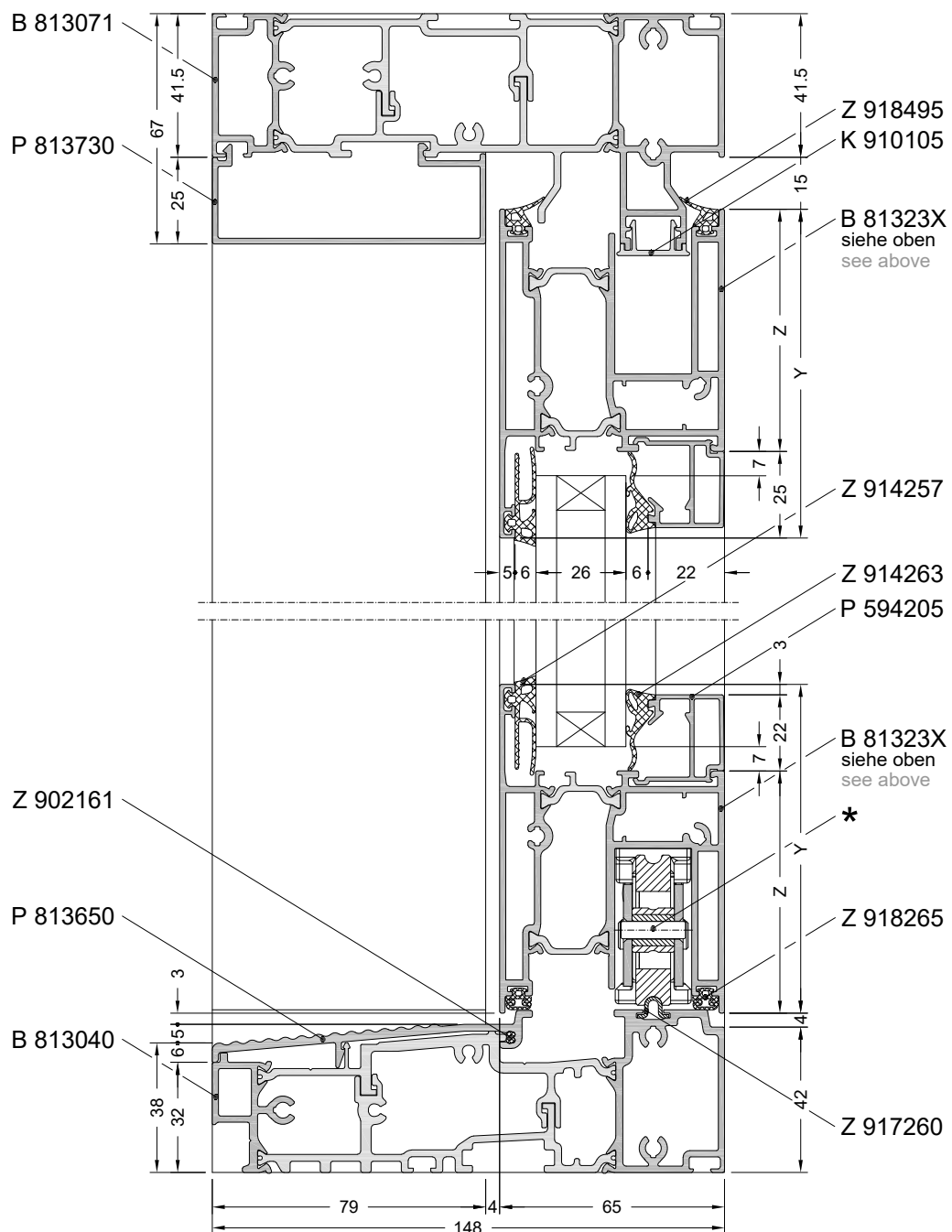
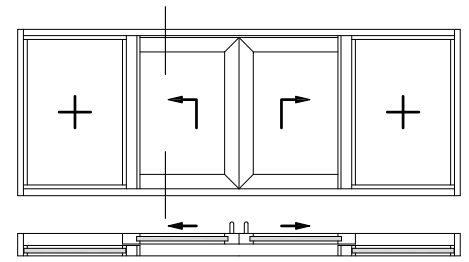
Artikel- und Systemzubehörtabellen siehe Seite A3-93/94
Article- and sytem accessories tables see page A3-93/94

SCHEMA MC1 + MC2 - VERTIKALSCHNITT
SCHEME MC1 + MC2 - VERTICAL SECTION

Maßstab/Scale 1:2

Schema MC1 + MC2
Scheme MC1 + MC2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓

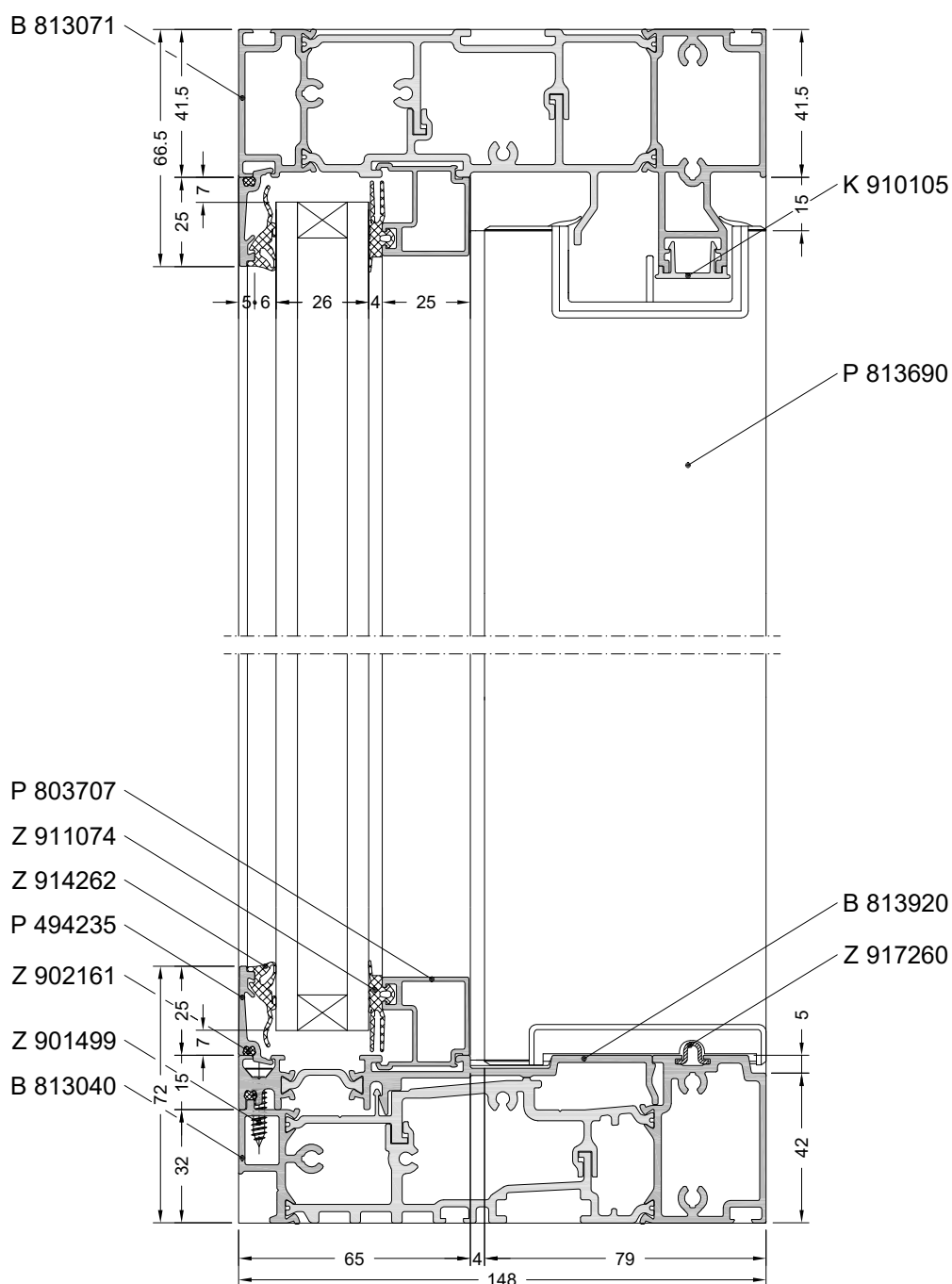
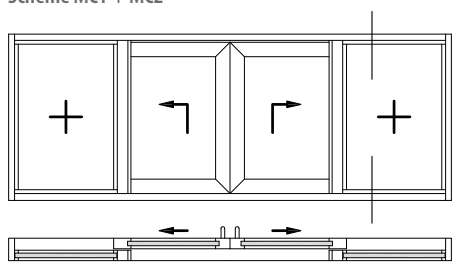


Artikel- und Systemzubehörtabellen siehe Seite A3-93/94
Article- and system accessories tables see page A3-93/94

SCHEMA MC1 + MC2 - VERTIKALSCHNITT
SCHEME MC1 + MC2 - VERTICAL SECTION 3

Schema MC1 + MC2
Scheme MC1 + MC2

Maßstab / Scale 1:2

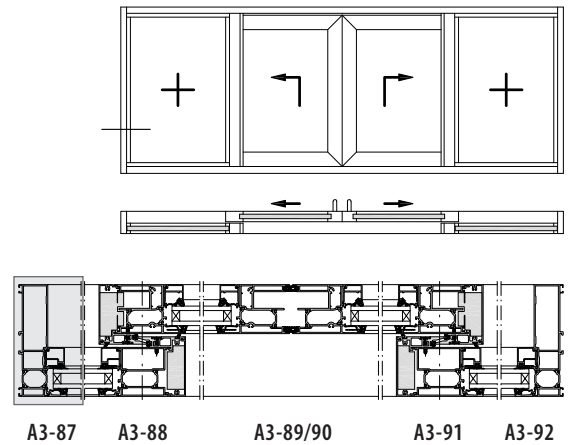


Artikel- und Systemzubehörtabellen siehe Seite A3-93/94
Article- and system accessories tables see page A3-93/94

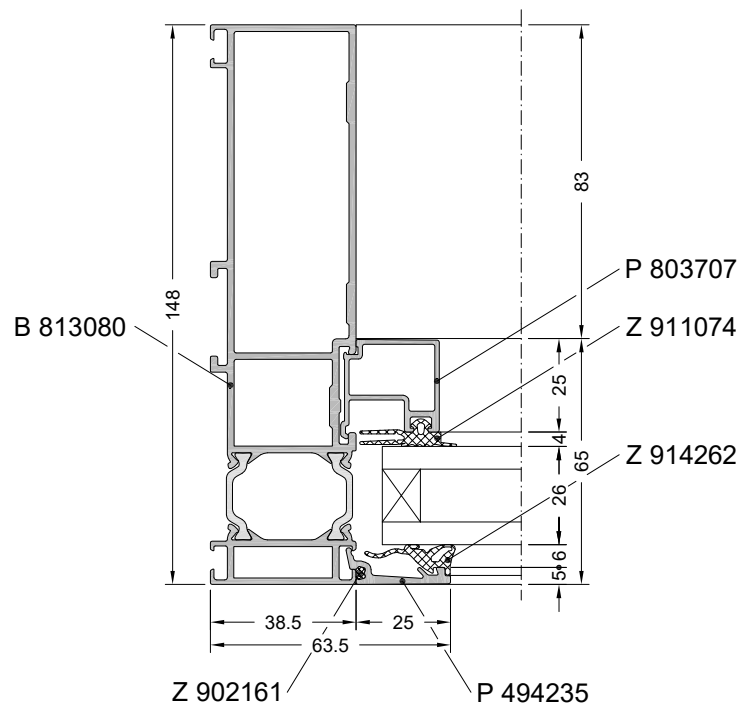
SCHEMA MC1 + MC2 - HORIZONTALSCHNITT
 SCHEME MC1 + MC2 - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema MC1 + MC2
 Scheme MC1 + MC2



A3
 Profilschnitte
 Profile sections

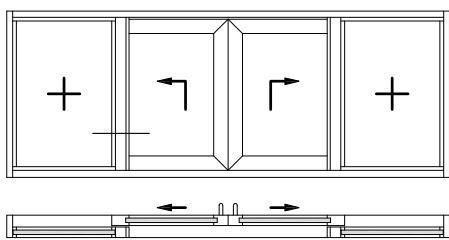


Artikel- und Systemzubehörtabellen siehe Seite A3-93/94
 Article- and system accessories tables see page A3-93/94

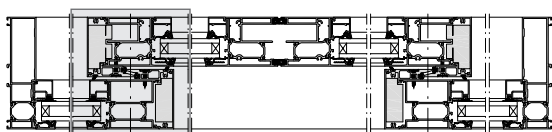
SCHEMA MC1 + MC2 - HORIZONTALSCHNITT
SCHEME MC1 + MC2 - HORIZONTAL SECTION

Schema MC1 + MC2
Scheme MC1 + MC2

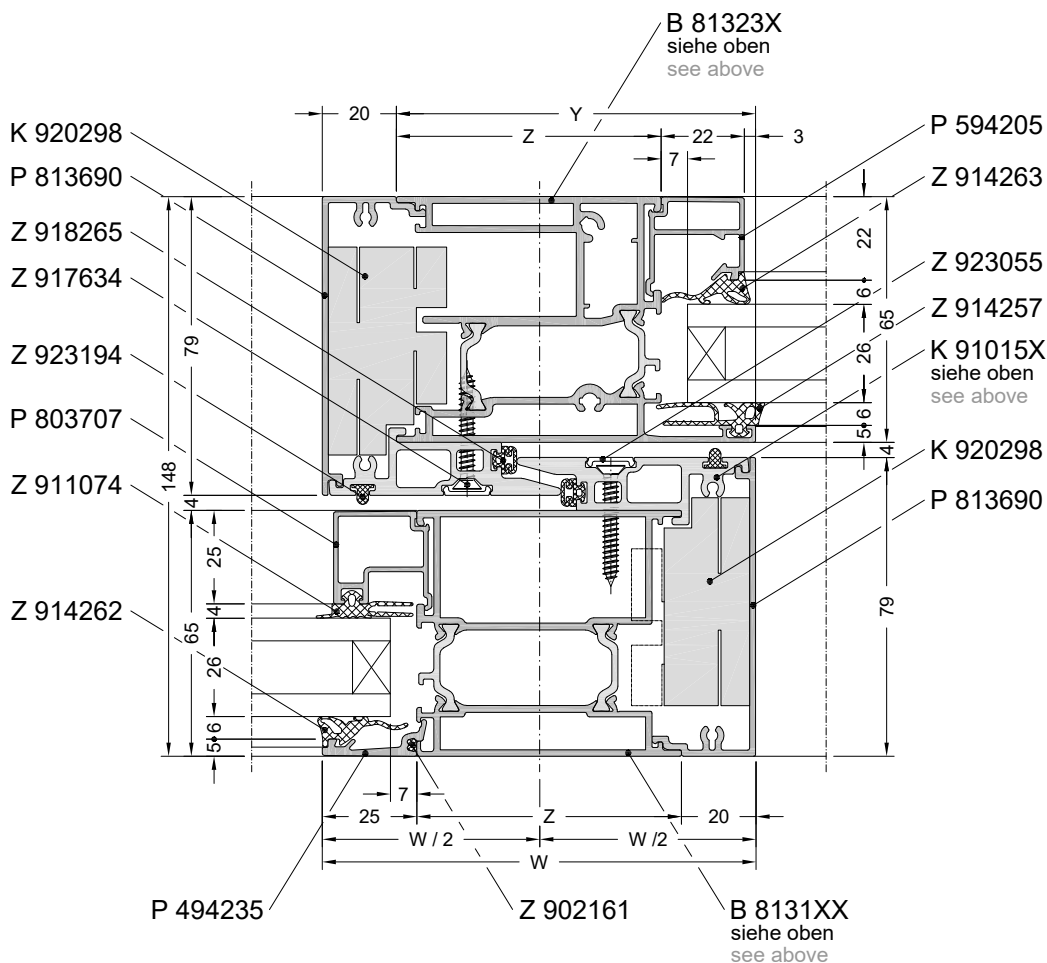
Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Pfosten Mullion profile	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	B 813100	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58		schubweich flexible	103	51,5	K 910153
B 813234	95	70	B 813110	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70		schubweich flexible	115	57,5	K 910154



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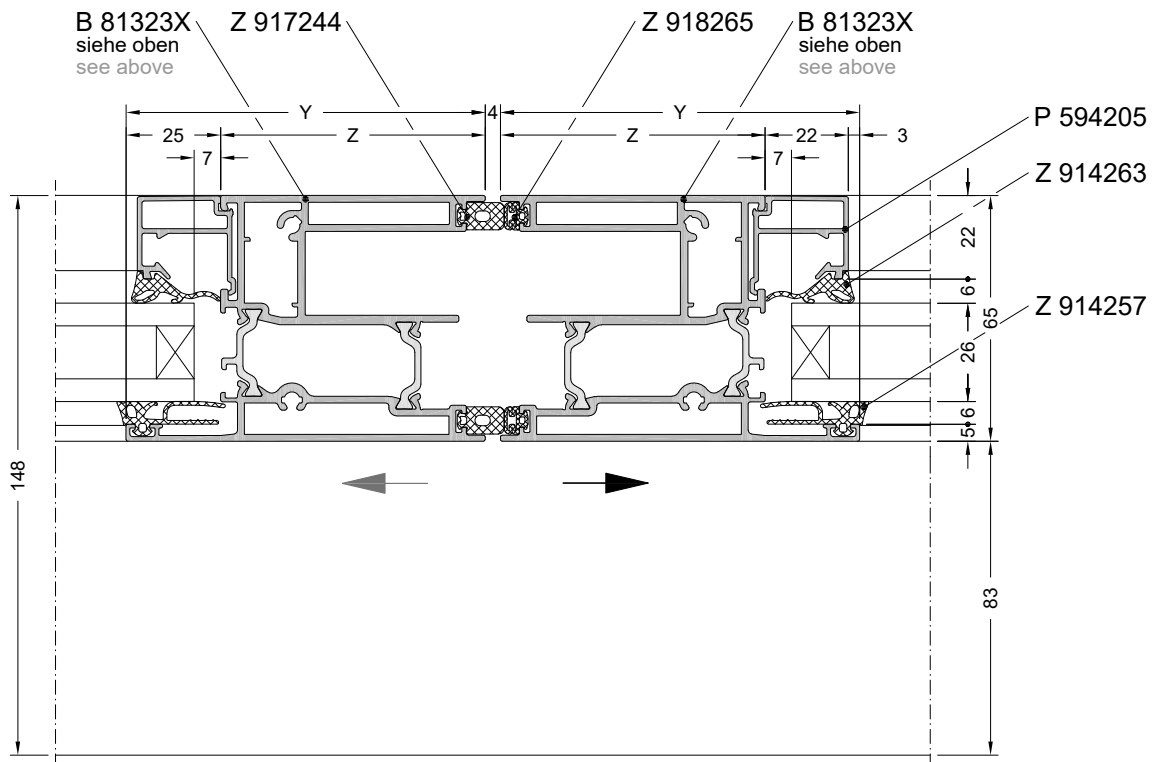
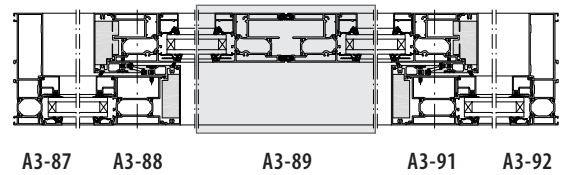
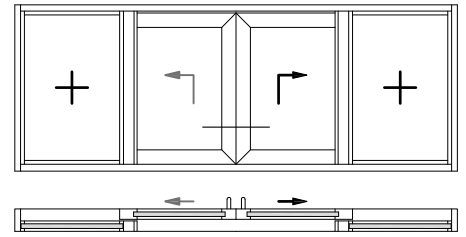
Artikel- und Systemzubehörtabellen siehe Seite A3-93/94
Article- and system accessories tables see page A3-93/94

SCHEMA MC1 - HORIZONTALSCHNITT
SCHEME MC1 - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema MC1
Scheme MC1

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible

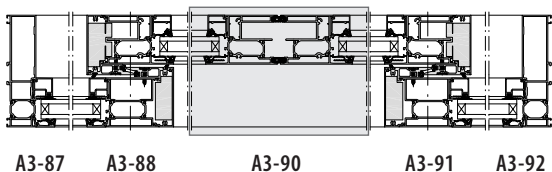
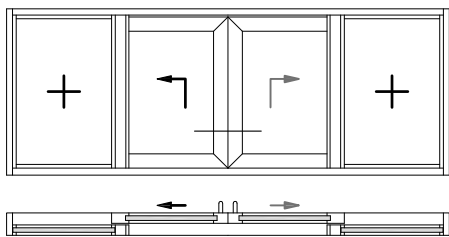


Artikel- und Systemzubehörtabellen siehe Seite A3-93/94
Article- and system accessories tables see page A3-93/94

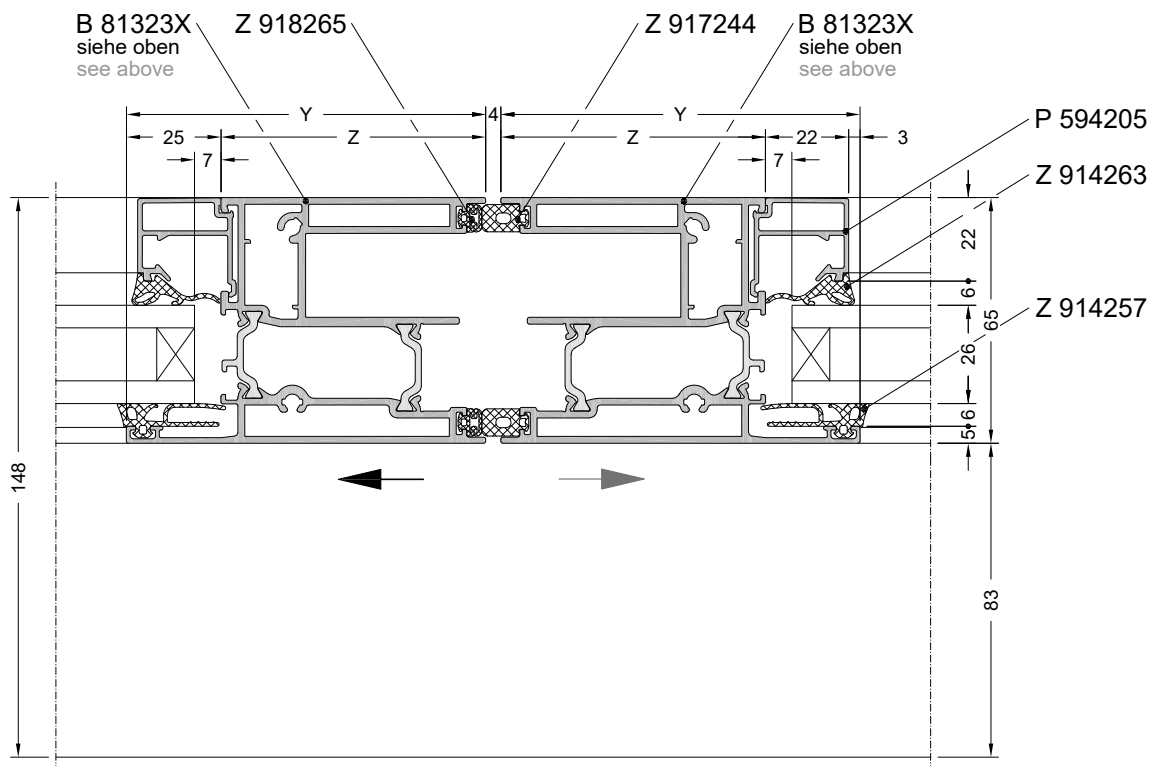
SCHEMA MC2 - HORIZONTALSCHNITT
SCHEME MC2 - HORIZONTAL SECTION

Schema MC2
Scheme MC2

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



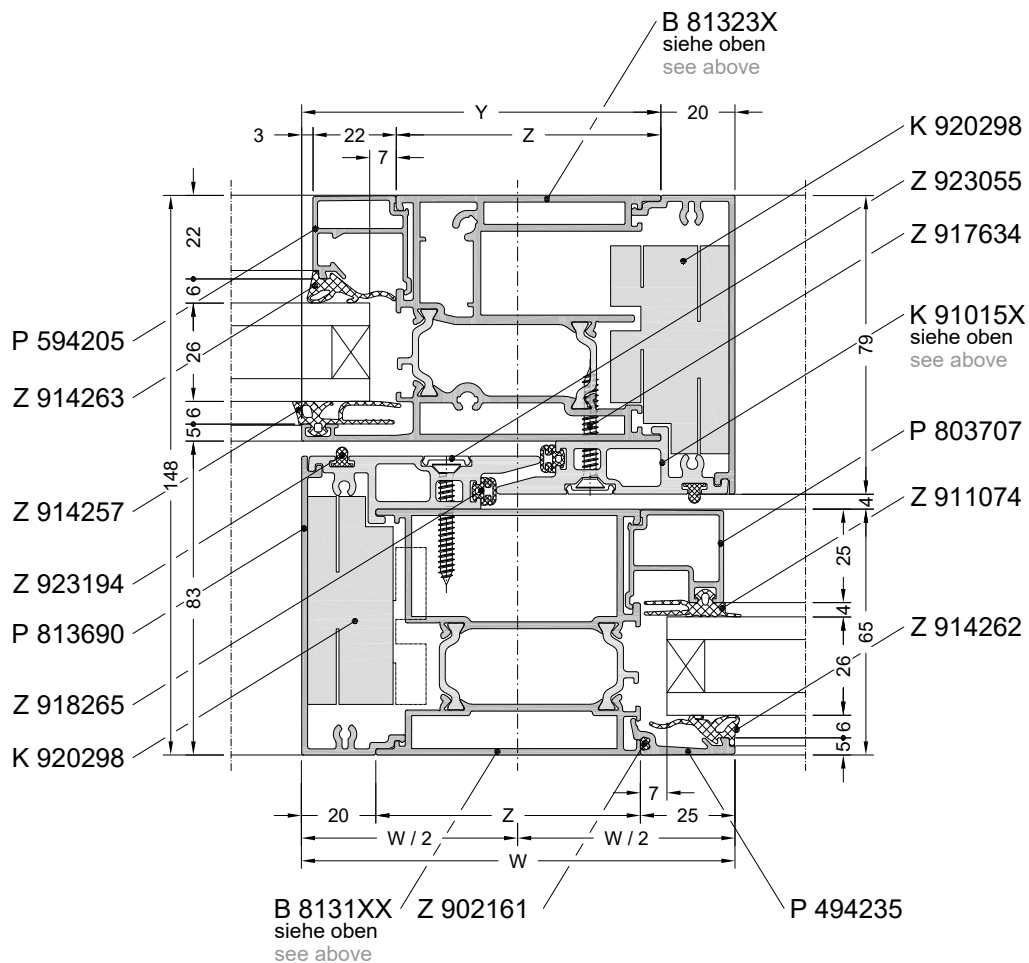
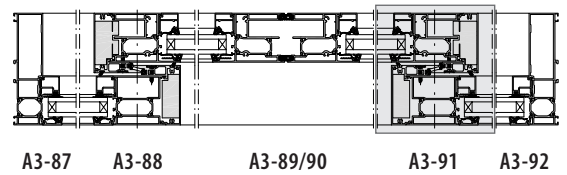
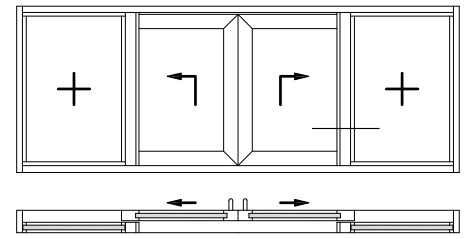
Artikel- und Systemzubehörtabellen siehe Seite A3-93/94
Article- and sytem accessories tables see page A3-93/94

SCHEMA MC1 + MC2 - HORIZONTALSCHNITT
SCHEME MC1 + MC2 - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema MC1 + MC2
Scheme MC1 + MC2

Schiebeflügel Sliding sash	Y	Z	Pfosten Mullion profile	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	B 813100	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58		schubweich flexible	103	51,5	K 910153
B 813234	95	70	B 813110	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70		schubweich flexible	115	57,5	K 910154

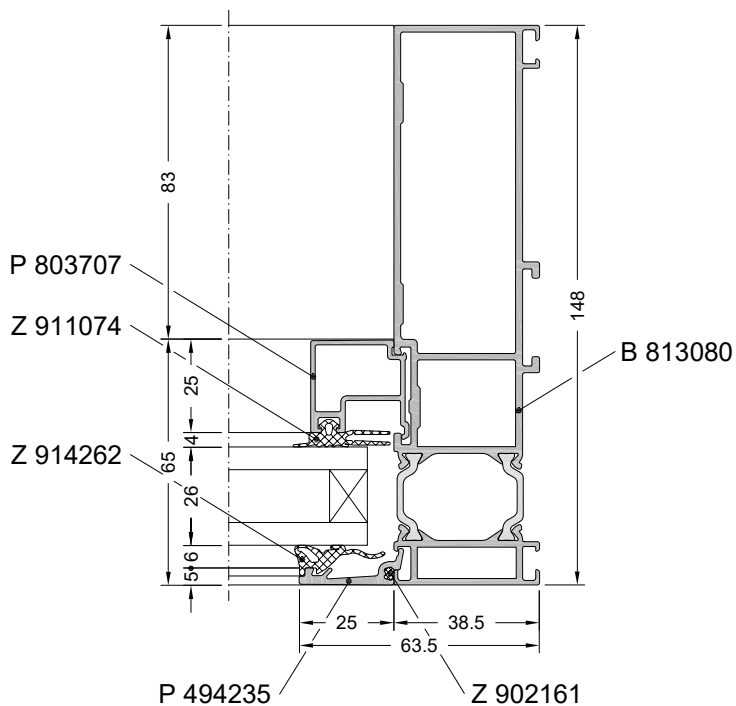
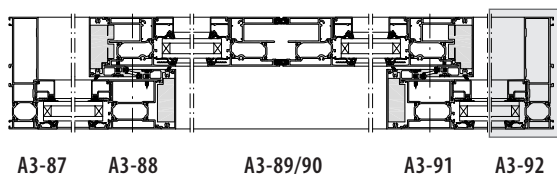
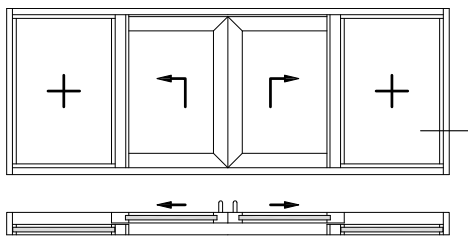


Artikel- und Systemzubehörtabellen siehe Seite A3-93/94
Article- and system accessories tables see page A3-93/94

SCHEMA MC1 + MC2 - HORIZONTALSCHNITT
SCHEME MC1 + MC2 - HORIZONTAL SECTION


Schema MC1 + MC2
Scheme MC1 + MC2

Maßstab / Scale 1:2




Artikel- und Systemzubehörtabellen siehe Seite A3-93/94
Article- and sytem accessories tables see page A3-93/94

SCHEMA MC1 + MC2 - TABELLEN
SCHEME MC1 + MC2 - TABLES

	BLENDRAHMEN OBEN 148/41.5/41.5 FIXED FRAME TOP 148/41.5/41.5	Art. Nr. / Art. no. B 813071
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES





Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN SEITLICH 148/38.5/38.5 FIXED FRAME LATERAL 148/38.5/38.5	Art. Nr. / Art. no. B 813080
Lieferlänge (mm) / Stock length (mm)		6500

	SCHWELLENPROFIL 116/14/15 THRESHOLD PROFILE 116/14/15	Art. Nr. / Art. no. B 813920
Lieferlänge (mm) / Stock length (mm)		6500





	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	




	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	




	SPROSSE MONORAIL 65/58/58 TRANSOM PROFILE MONORAIL 65/58/58	Art. Nr. / Art. no. B 813100
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20 --	Z 917792 --	Z 918126 --
 Stift Nail	100	Z 911513	Z 914351
 Dichtkissen Sealing pad	20	2x Z 914352	--

	SPROSSE MONORAIL 65/70/70 TRANSOM PROFILE MONORAIL 65/70/70	Art. Nr. / Art. no. B 813110
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20 --	Z 918127 --	Z 918128 --
 Stift Nail	100	Z 911513	Z 914351
 Dichtkissen Sealing pad	20	2x Z 914352	--

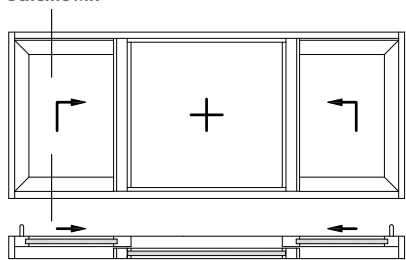
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910153
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 25 mm, aussen Glazing bead 25 mm, external	Lieferlänge / Stock length 6500 mm	P 494235
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Glasleiste 25 mm, innen Glazing bead 25 mm, internal	Lieferlänge / Stock length 6500 mm	P 803707
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813730
Schraube 4.2 x 22 Screw 4.2 x 22	in Kombi in Combi.	Z 901499
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 911074
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914262
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Anschlagdichtung, Flügelstoß Rebate gasket, sash joint	25 m	Z 917244
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

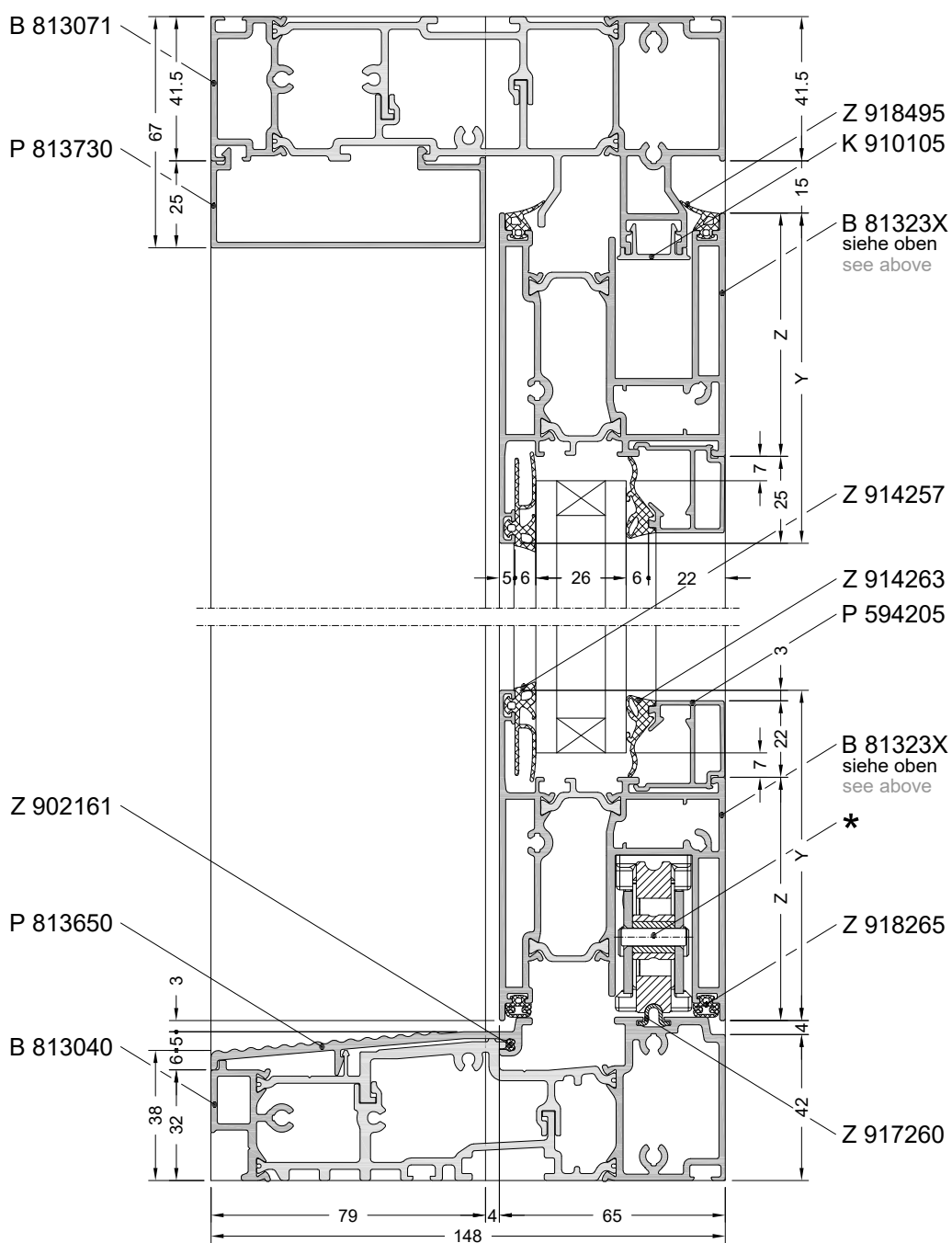
SCHEMA MK - VERTIKALSCHNITT
SCHEME MK - VERTICAL SECTION

Schema MK
Scheme MK

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓

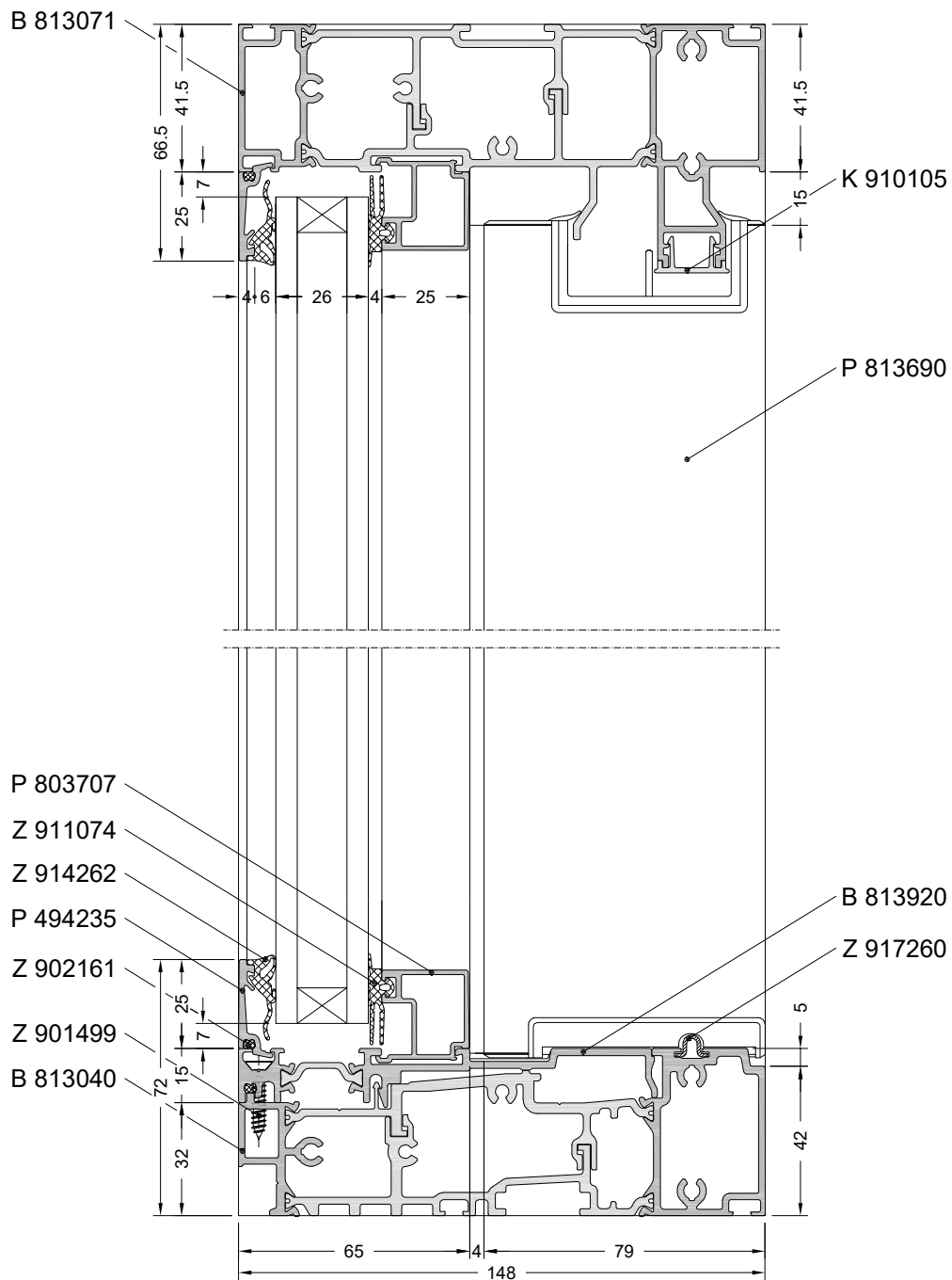
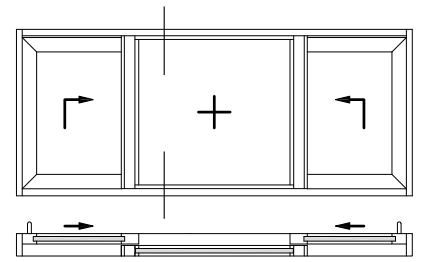


Artikel- und Systemzubehörtabellen siehe Seite A3-103/104
Article- and system accessories tables see page A3-103/104

SCHEMA MK - VERTIKALSCHNITT
 SCHEMA MK - VERTICAL SECTION

Maßstab / Scale 1:2

Schema MK
 Scheme MK

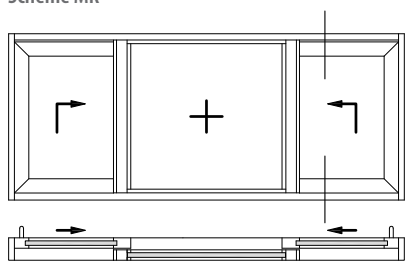


Artikel- und Systemzubehörtabellen siehe Seite A3-103/104
 Article- and sytem accessories tables see page A3-103/104

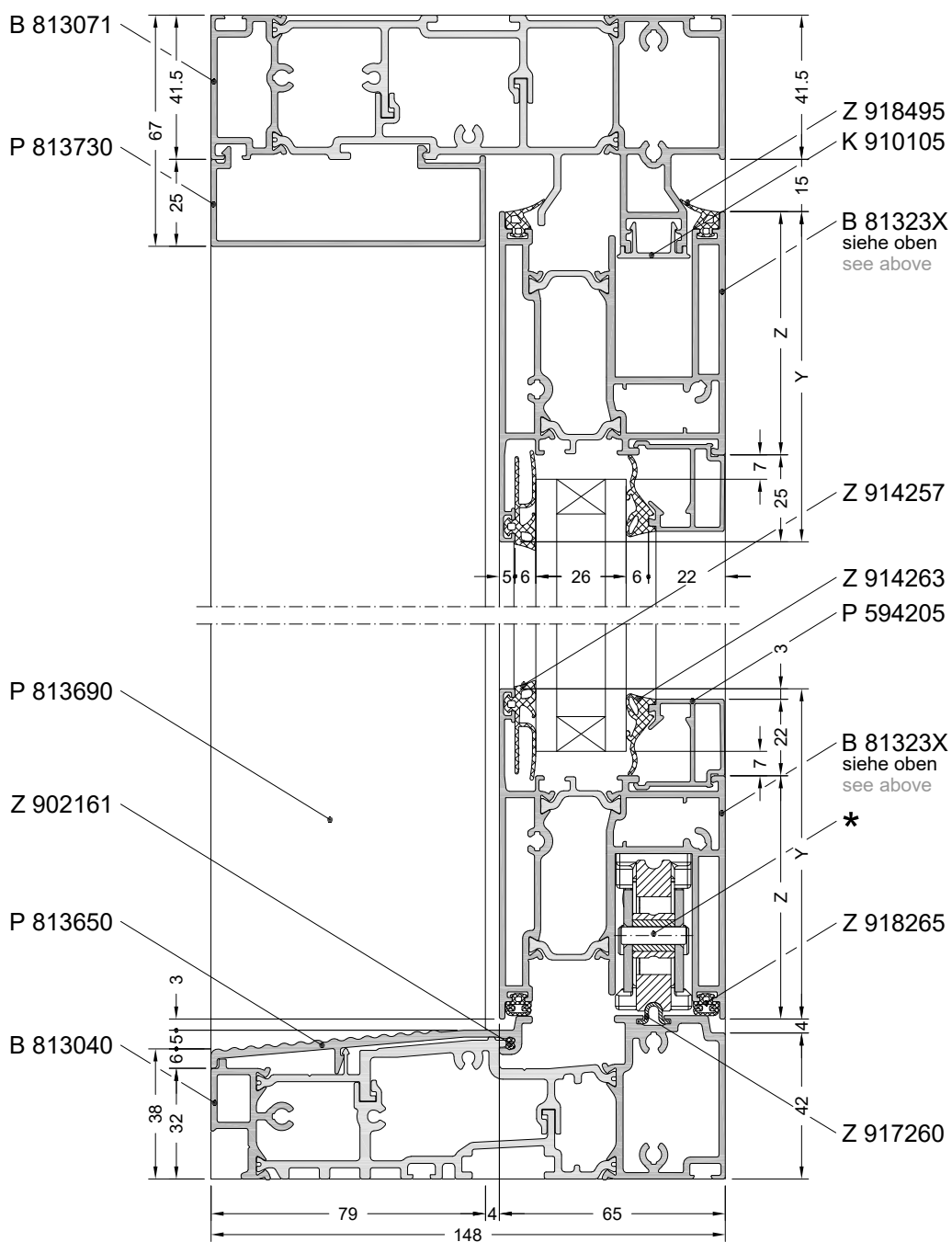
SCHEMA MK - VERTIKALSCHNITT 3
SCHEME MK - VERTICAL SECTION 3

Schema MK
Scheme MK

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓



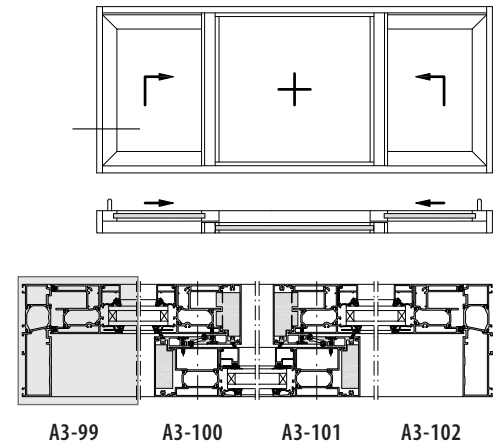
Artikel- und Systemzubehörtabellen siehe Seite A3-103/104
Article- and system accessories tables see page A3-103/104

SCHEMA MK - HORIZONTALSCHNITT 1
SCHEME MK - HORIZONTAL SECTION 1

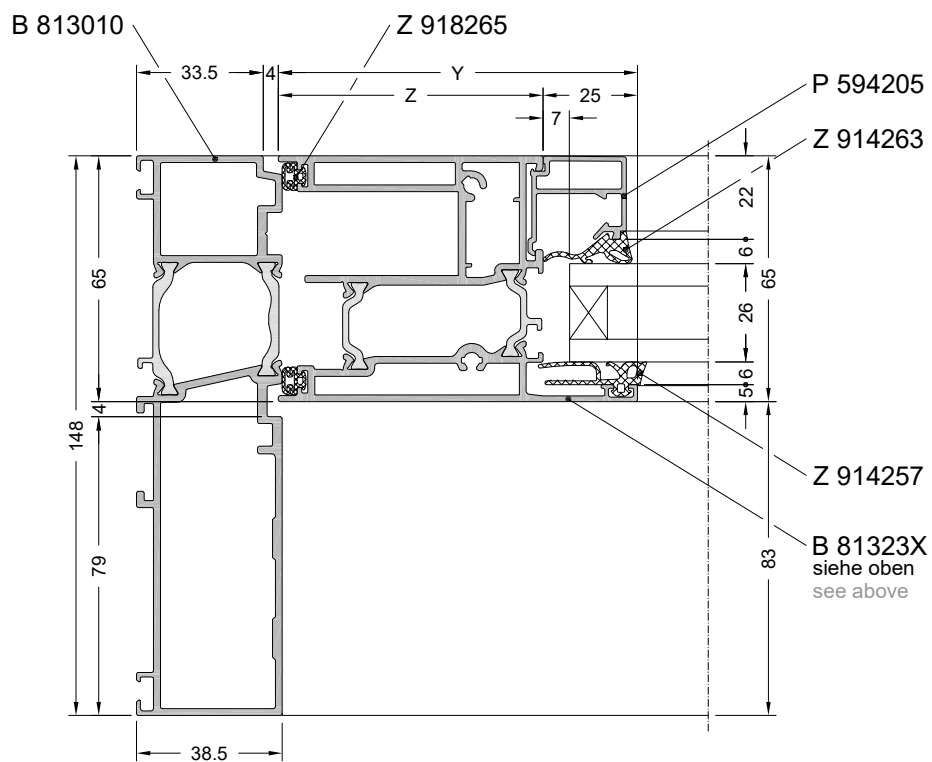
Maßstab / Scale 1:2

Schema MK
Scheme MK

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



A3
Profilschnitte
Profile sections

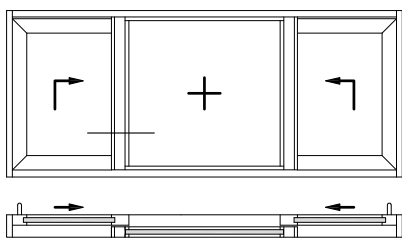


Artikel- und Systemzubehörtabellen siehe Seite A3-103/104
Article- and system accessories tables see page A3-103/104

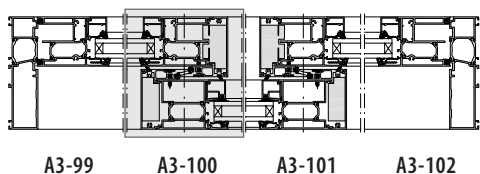
SCHEMA MK - HORIZONTALSCHNITT 2
SCHEME MK - HORIZONTAL SECTION 2

Schema MK
Scheme MK

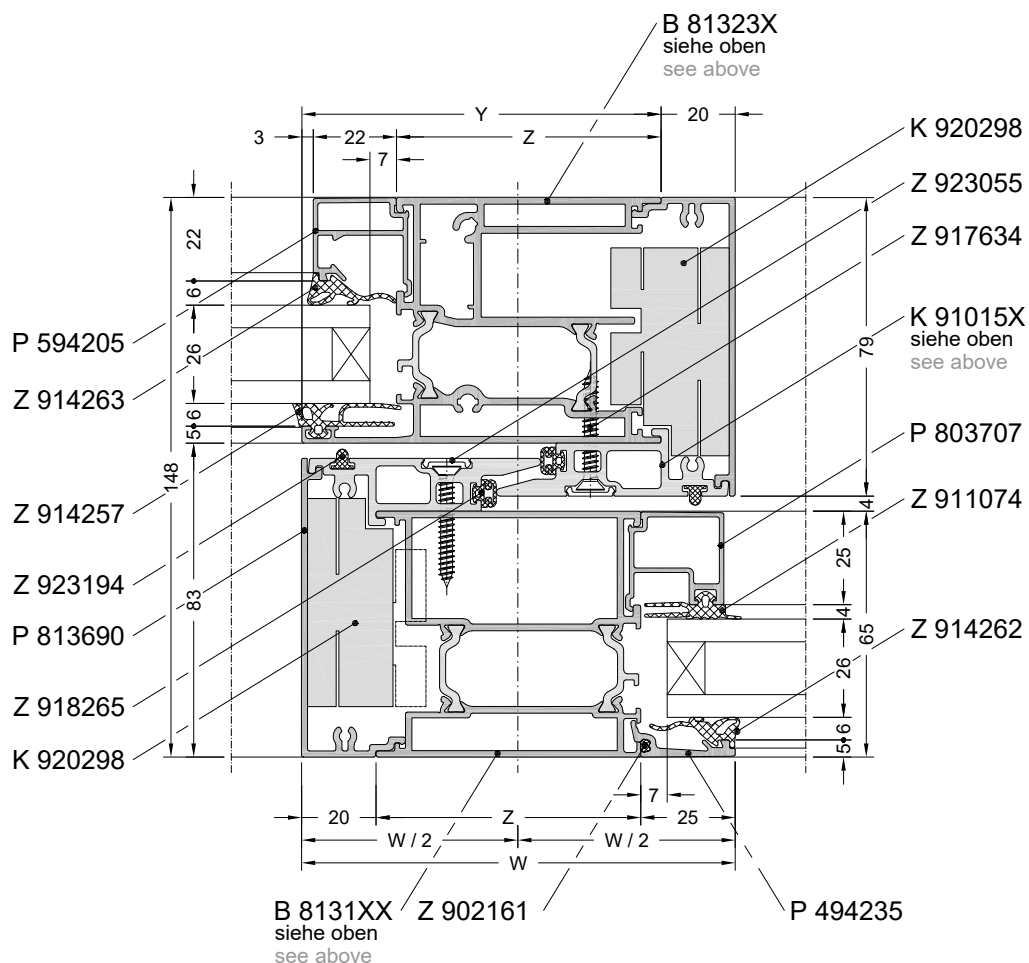
Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Pfosten Mullion profile	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	B 813100	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58		schubweich flexible	103	51,5	K 910153
B 813234	95	70	B 813110	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70		schubweich flexible	115	57,5	K 910154



A3-99 A3-100 A3-101 A3-102



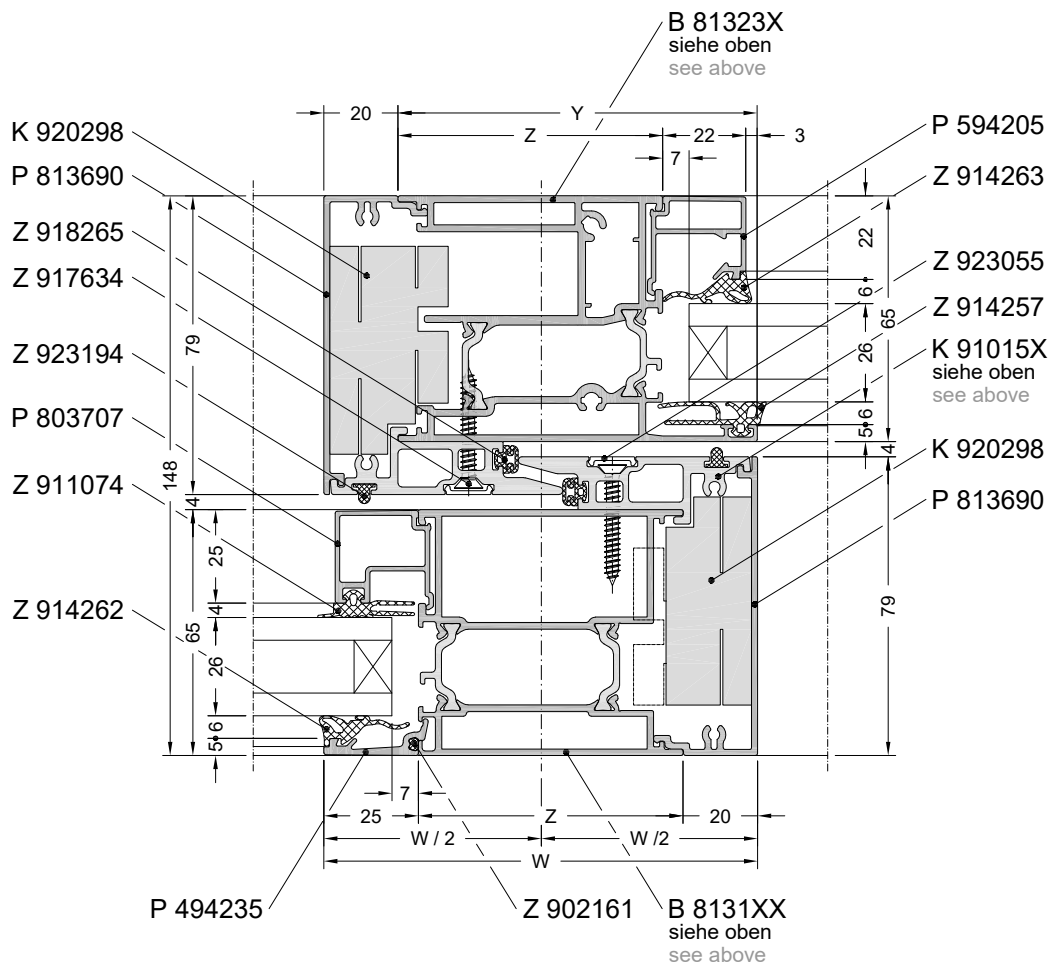
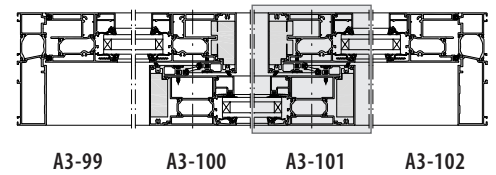
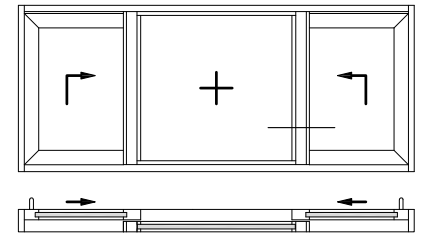
Artikel- und Systemzubehörtabelle siehe Seite A3-103/104
Article- and system accessories tables see page A3-103/104

SCHEMA MK - HORIZONTALSCHNITT 3
SCHEMA MK - HORIZONTAL SECTION 3

Maßstab / Scale 1:2

Schema MK
Scheme MK

Schiebeflügel Sliding sash	Y	Z	Pfosten Mullion profile	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	B 813100	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58		schubweich flexible	103	51,5	K 910153
B 813234	95	70	B 813110	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70		schubweich flexible	115	57,5	K 910154

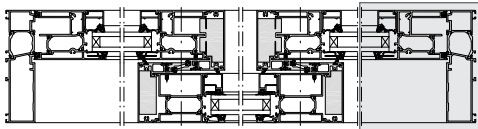
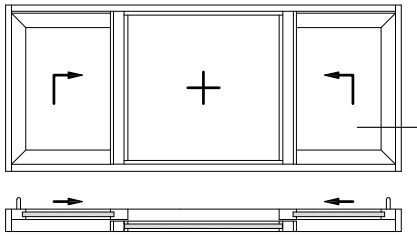


Artikel- und Systemzubehörtabellen siehe Seite A3-103/104
Article- and system accessories tables see page A3-103/104

SCHEMA MK - HORIZONTALSCHNITT 4
SCHEME MK - HORIZONTAL SECTION 4

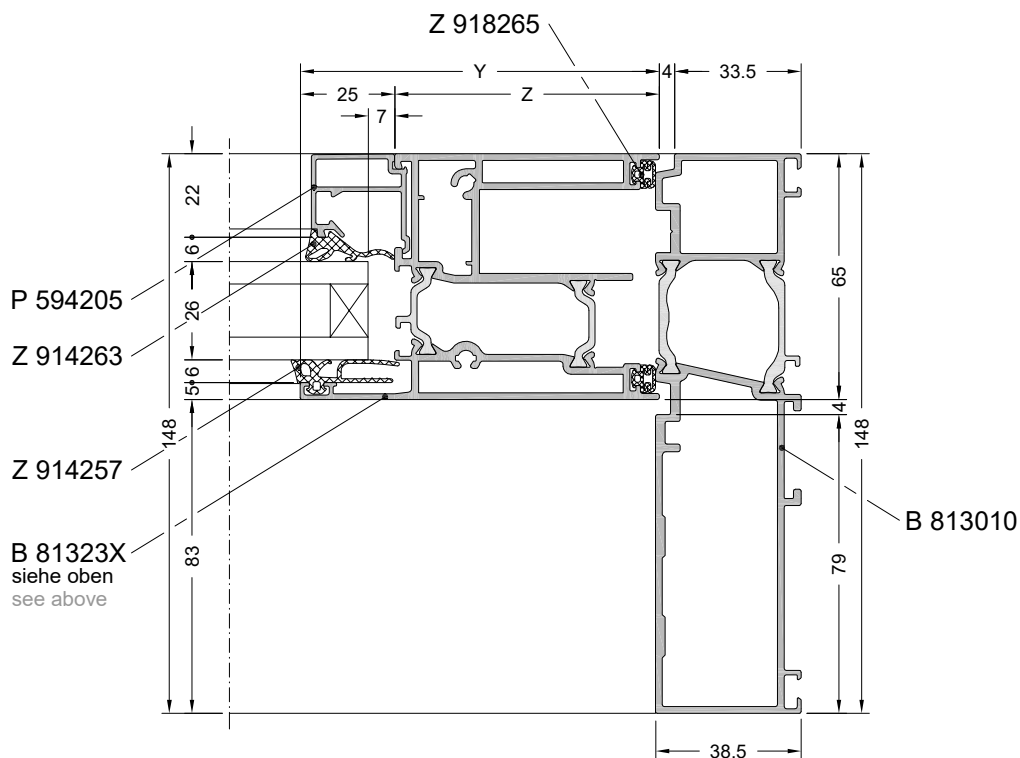
Schema MK
Scheme MK

Maßstab / Scale 1:2



A3-99 A3-100 A3-101 A3-102

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible




Artikel- und Systemzubehörtabeln siehe Seite A3-103/104
Article- and sytem accessories tables see page A3-103/104

SCHEMA MK - TABELLEN
SCHEME MK - TABLES

	BLENDRAHMEN OBEN 148/41.5/41.5 FIXED FRAME TOP 148/41.5/41.5	Art. Nr. / Art. no. B 813071
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094


	BLENDRAHMEN UNTEN 148/42/32 FIXED FRAME BOTTOM 148/42/32	Art. Nr. / Art. no. B 813040
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES





Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094

	BLENDRAHMEN SEITLICH 148/33.5/38.5 FIXED FRAME LATERAL 148/33.5/38.5	Art. Nr. / Art. no. B 813010
Lieferlänge (mm) / Stock length (mm)		6500

	SCHWELLENPROFIL 116/14/15 THRESHOLD PROFILE 116/14/15	Art. Nr. / Art. no. B 813920
Lieferlänge (mm) / Stock length (mm)		6500





	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	




	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	




	SPROSSE MONORAIL 65/58/58 TRANSOM PROFILE MONORAIL 65/58/58	Art. Nr. / Art. no. B 813100
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20 --	Z 917792 --	Z 918126 --
 Stift Nail	100	Z 911513	Z 914351
 Dichtkissen Sealing pad	20	2x Z 914352	--

	SPROSSE MONORAIL 65/70/70 TRANSOM PROFILE MONORAIL 65/70/70	Art. Nr. / Art. no. B 813110
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer (I) aussen (I) external	Profilkammer (II) innen (II) internal
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20 --	Z 918127 --	Z 918128 --
 Stift Nail	100	Z 911513	Z 914351
 Dichtkissen Sealing pad	20	2x Z 914352	--

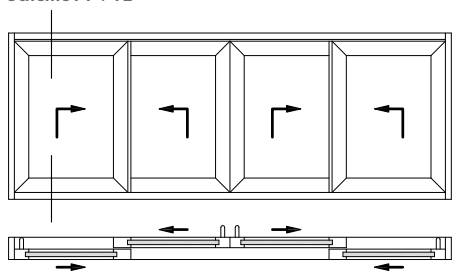
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910153
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 25 mm, aussen Glazing bead 25 mm, external	Lieferlänge / Stock length 6500 mm	P 494235
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Glasleiste 25 mm, innen Glazing bead 25 mm, internal	Lieferlänge / Stock length 6500 mm	P 803707
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813650
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813730
Schraube 4.2 x 22 Screw 4.2 x 22	in Kombi in Combi.	Z 901499
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 911074
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914262
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

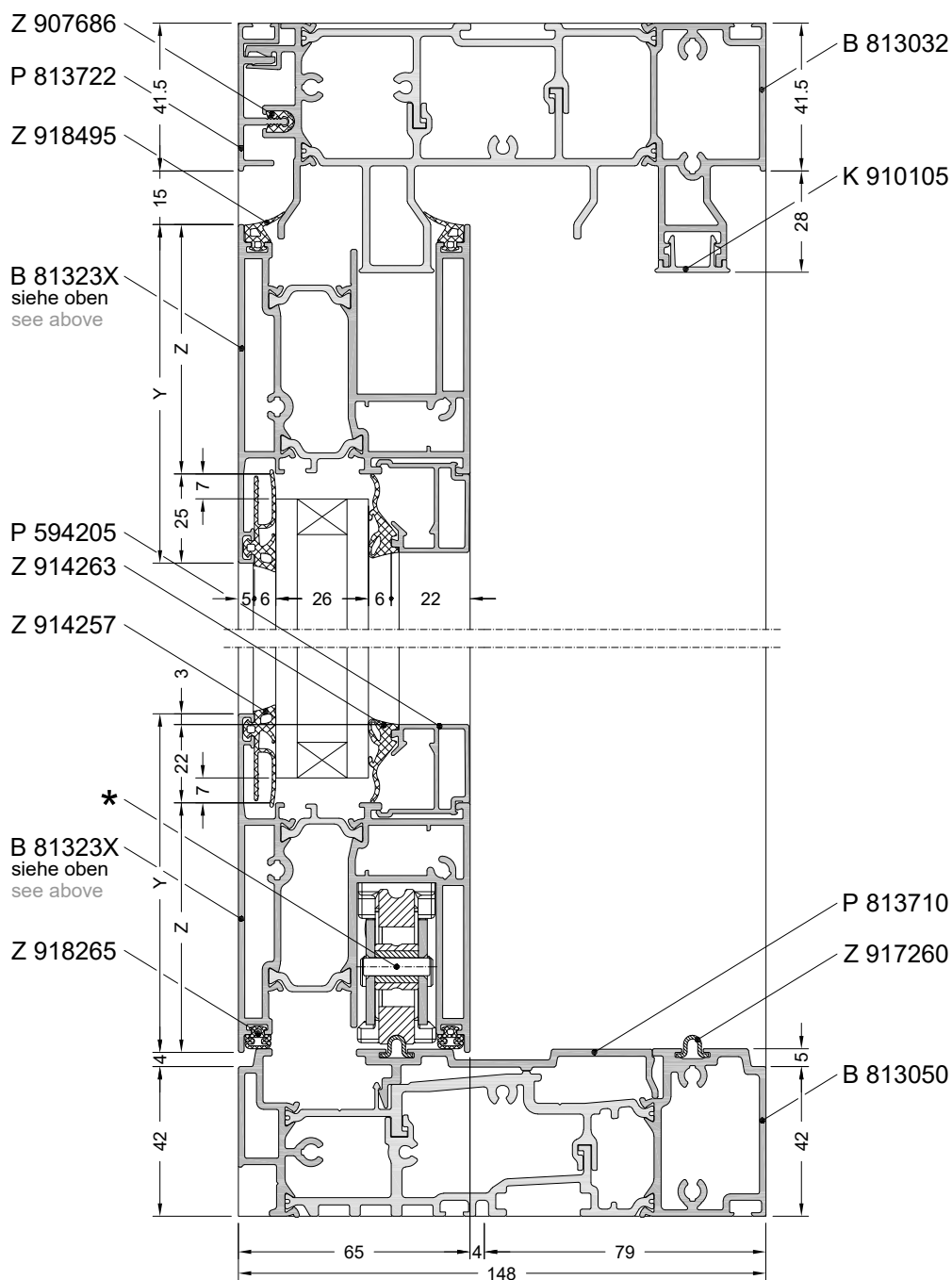
SCHEMA F1 + F2 - VERTIKALSCHNITT
SCHEME F1 + F2 - VERTICAL SECTION

Schema F1 + F2
Scheme F1 + F2

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓



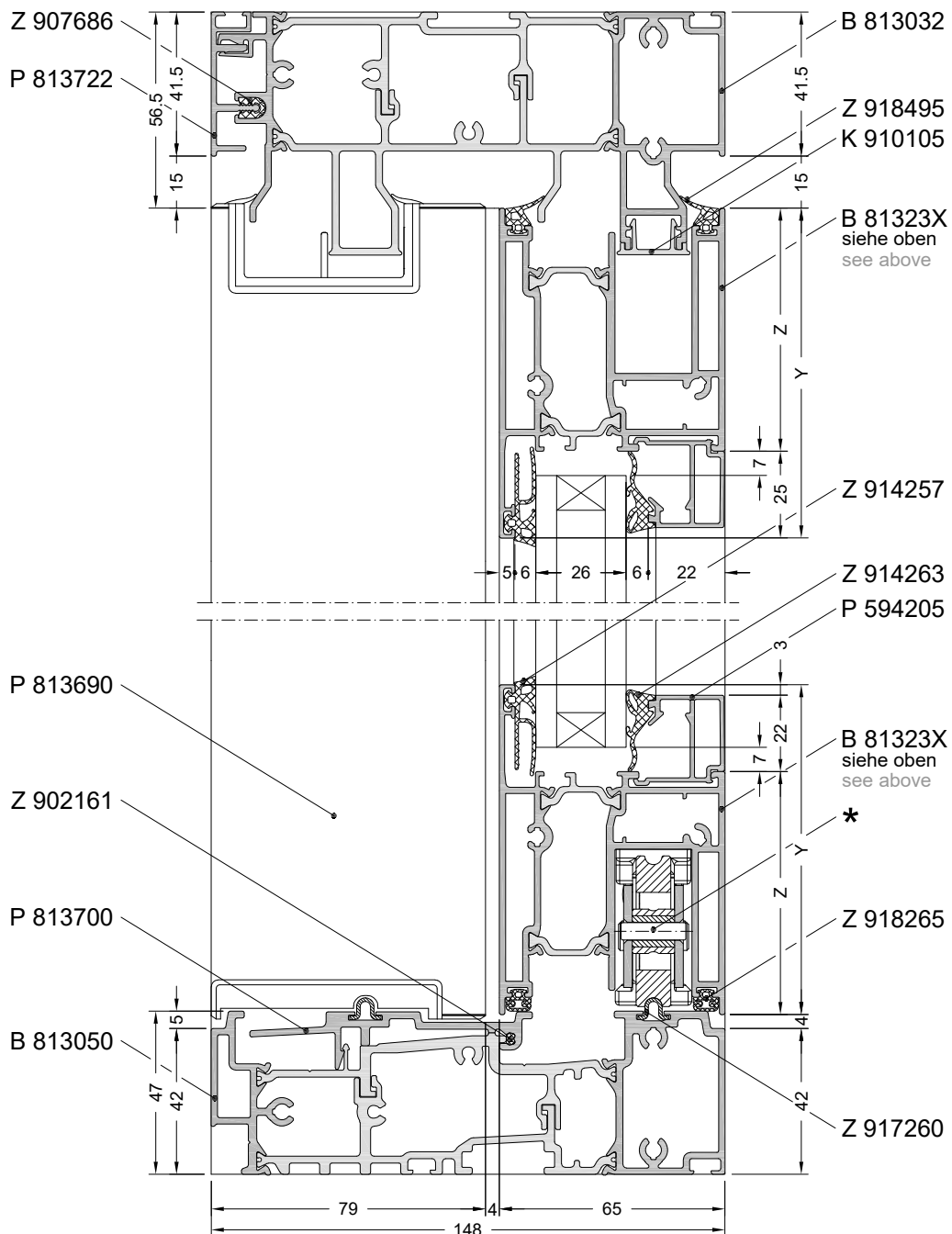
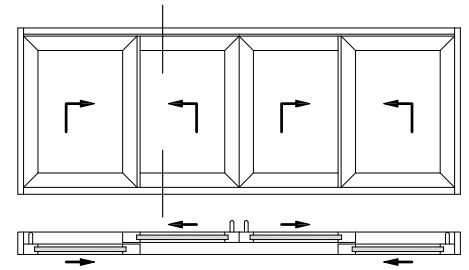
Artikel- und Systemzubehörtabellen siehe Seite A3-115
Article- and system accessories tables see page A3-115

SCHEMA F1 + F2 - VERTIKALSCHNITT
SCHEME F1 + F2 - VERTICAL SECTION

Maßstab / Scale 1:2

Schema F1 + F2
Scheme F1 + F2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓

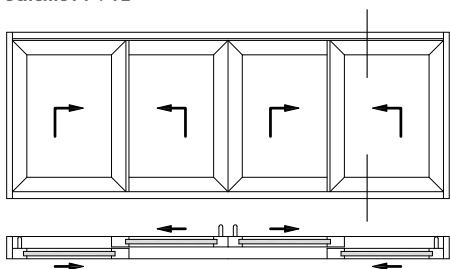


Artikel- und Systemzubehörtabellen siehe Seite A3-115
Article- and system accessories tables see page A3-115

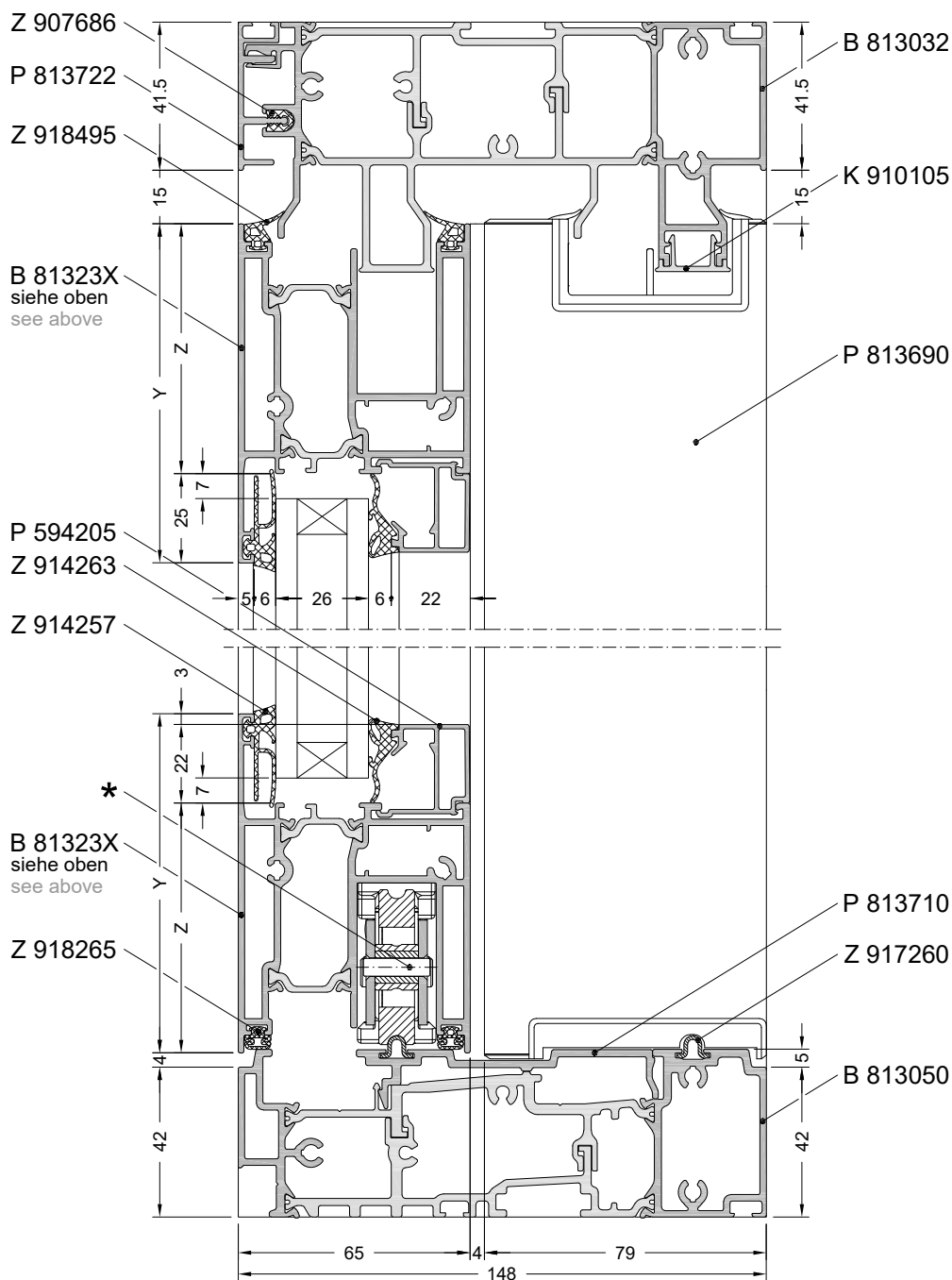
SCHEMA F1 + F2 - VERTIKALSCHNITT
SCHEME F2 + F2 - VERTICAL SECTION

Schema F1 + F2
Scheme F1 + F2

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite	* Hebe-Schiebe Beschlag * Lift- and slide fitting		
				bis 250 kg up to 250 kg	bis 330 kg up to 330 kg	bis 440 kg up to 440 kg
B 813232	83	58	schubfest shear-proof	✓	--	--
B 813233	83	58	schubweich flexible	✓	--	--
B 813234	95	70	schubfest shear-proof	--	✓	✓
B 813235	95	70	schubweich flexible	--	✓	✓



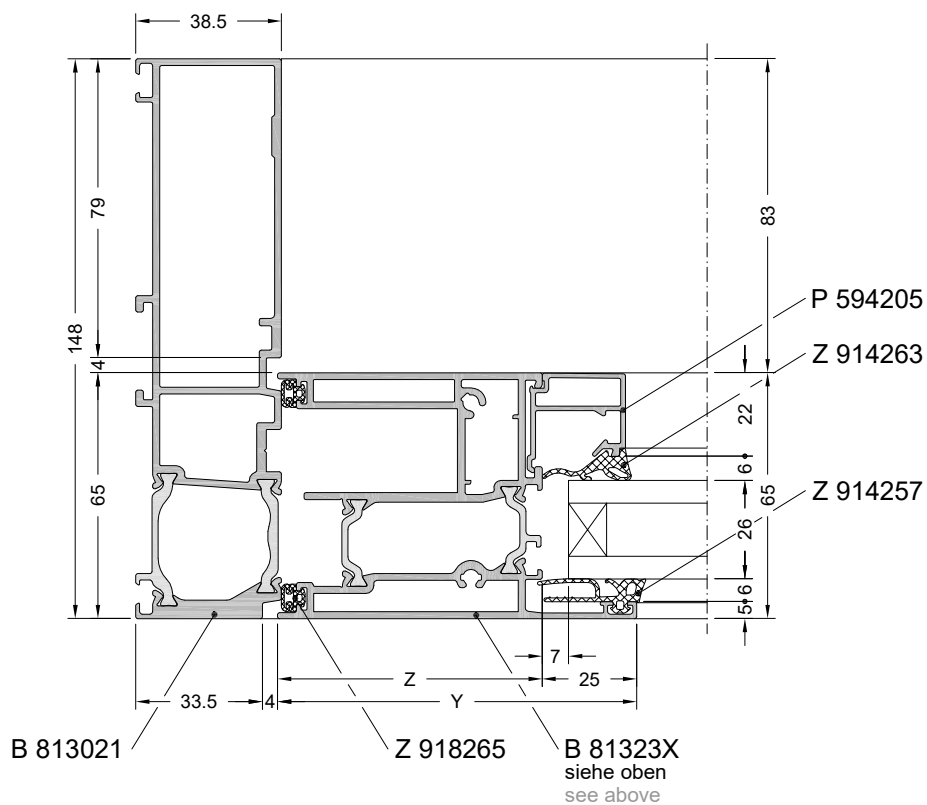
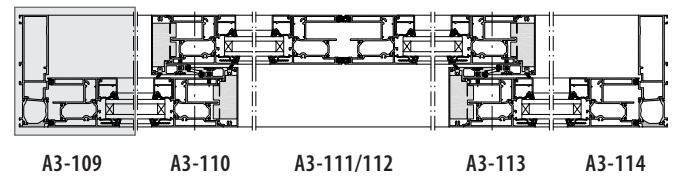
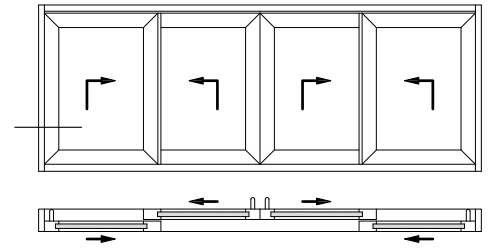
Artikel- und Systemzubehörtabellen siehe Seite A3-115
Article- and system accessories tables see page A3-115

SCHEMA F1 + F2 - HORIZONTALSCHNITT
SCHEME F1 + F2 - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema F1 + F2
Scheme F1 + F2

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible

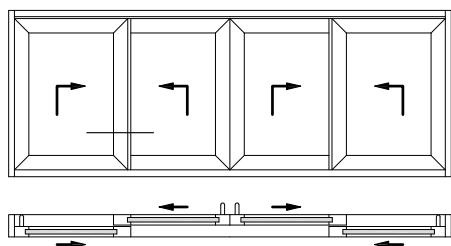


Artikel- und Systemzubehörtabellen siehe Seite A3-115
Article- and system accessories tables see page A3-115

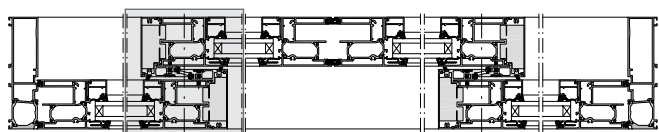
SCHEMA F1 + F2 - HORIZONTALSCHNITT
SCHEME F1 + F2 - HORIZONTAL SECTION

Schema F1 + F2
Scheme F1 + F2

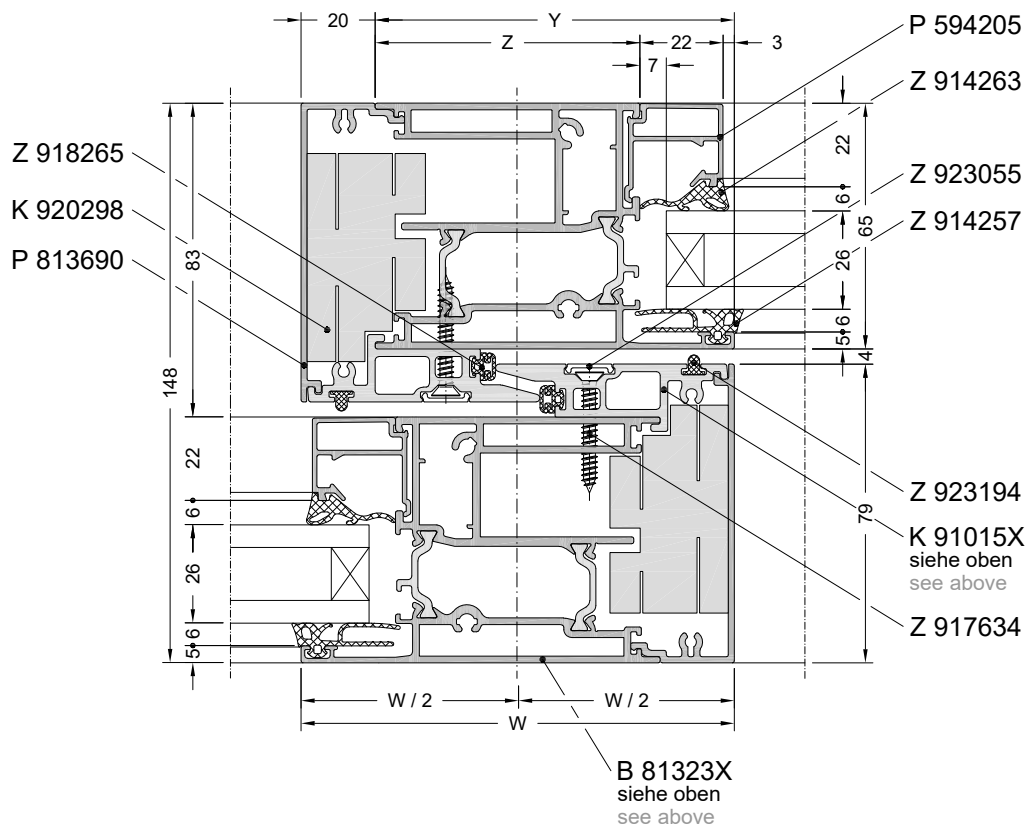
Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58	schubweich flexible	103	51,5	K 910153
B 813234	95	70	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70	schubweich flexible	115	57,5	K 910154



A3-109 A3-110 A3-111/112 A3-113 A3-114



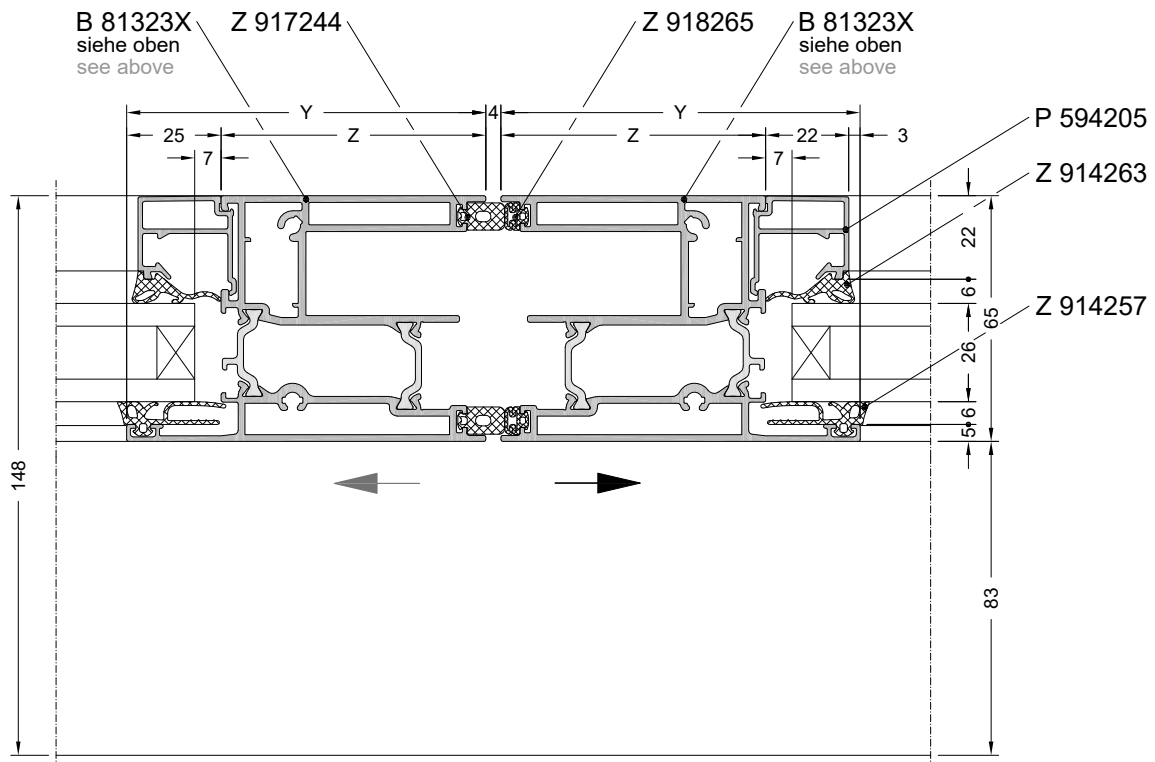
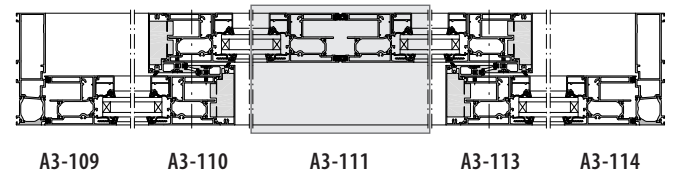
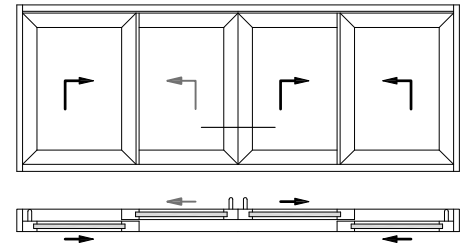
Artikel- und Systemzubehörtabellen siehe Seite A3-115
Article- and system accessories tables see page A3-115

SCHEMA F1 - HORIZONTALSCHNITT
SCHEMA F1 - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema F1
Scheme F1

Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible

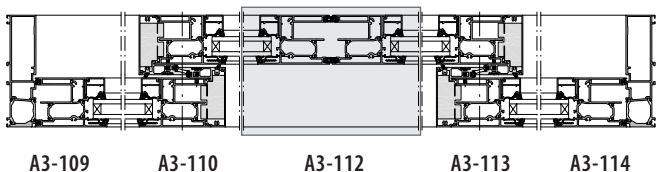
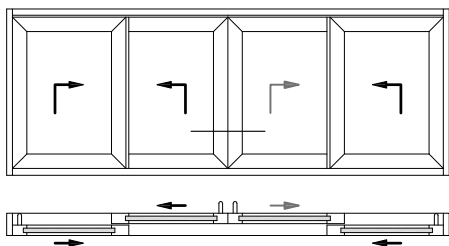


Artikel- und Systemzubehörtabellen siehe Seite A3-115
Article- and system accessories tables see page A3-115

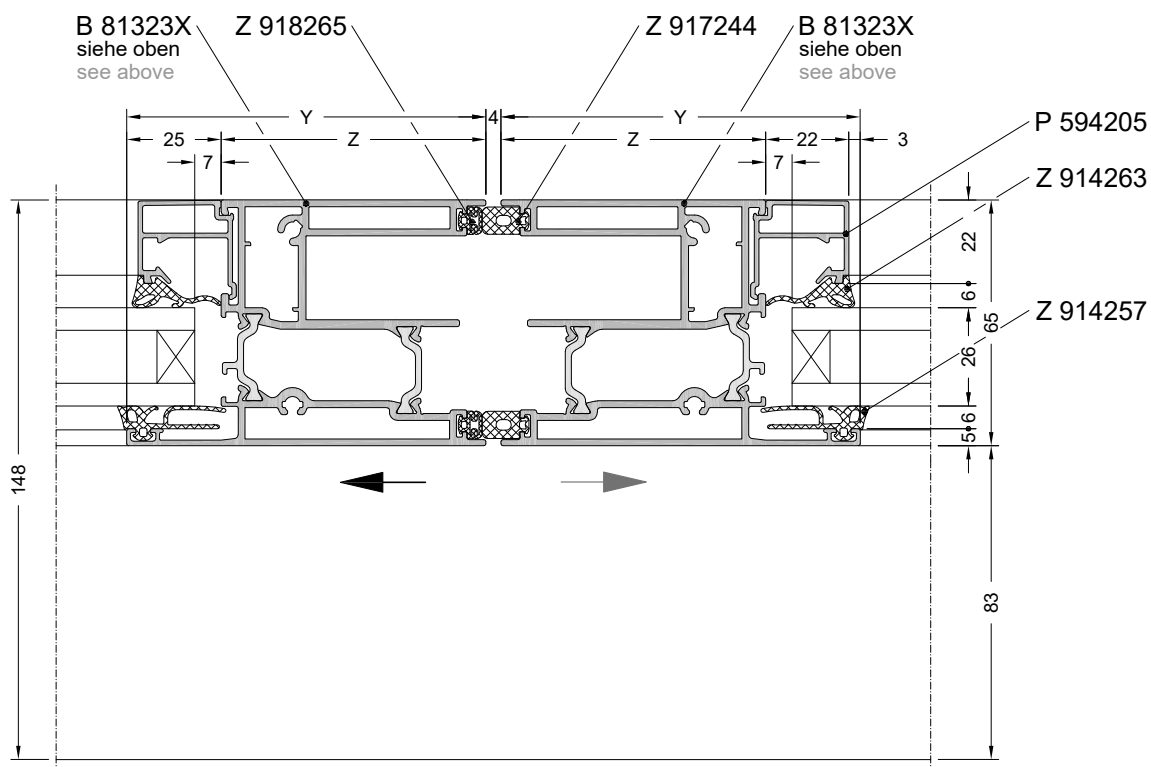
SCHEMA F2 - HORIZONTALSCHNITT
SCHEME F2 - HORIZONTAL SECTION

Schema F2
Scheme F2

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible



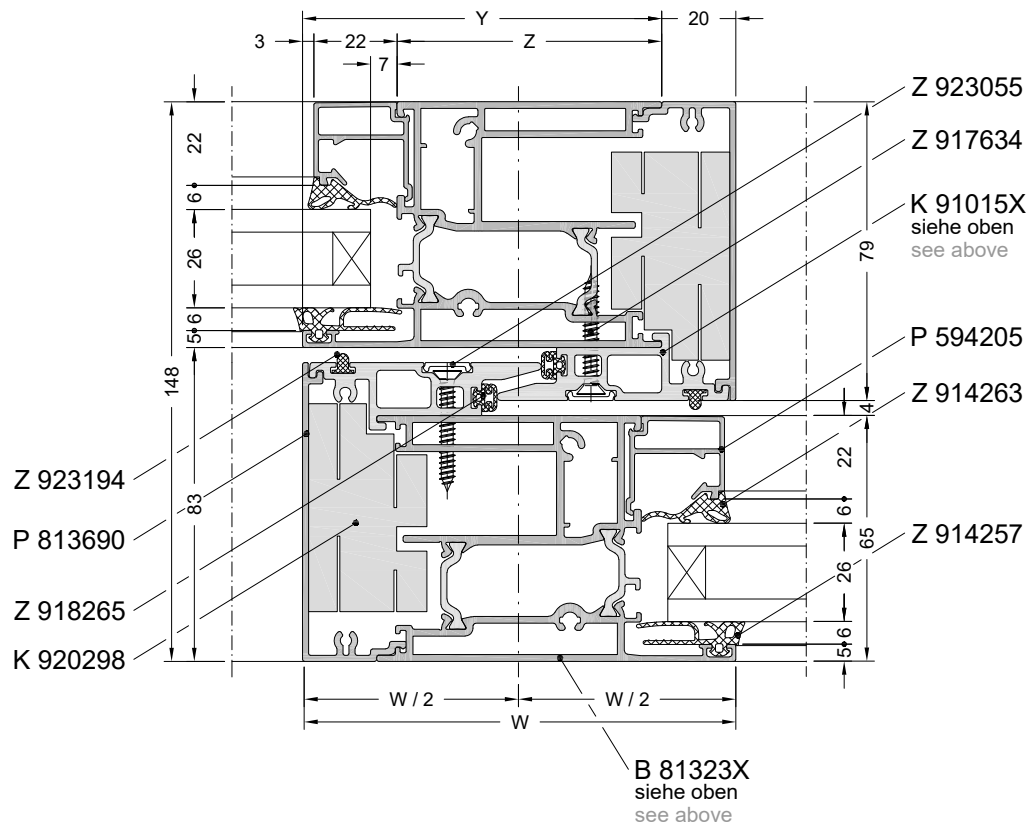
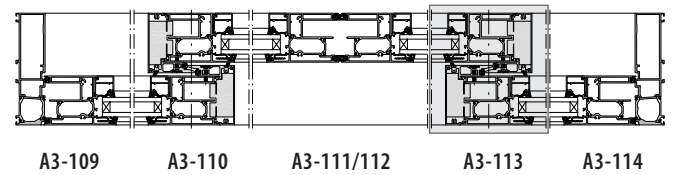
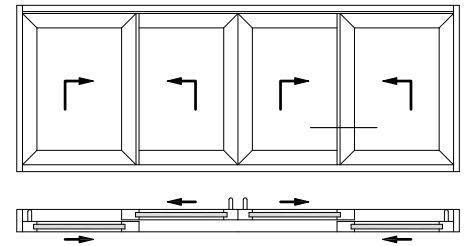
Artikel- und Systemzubehörtabellen siehe Seite A3-115
Article- and system accessories tables see page A3-115

SCHEMA F1 + F2 - HORIZONTALSCHNITT
SCHEME F1 + F2 - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema F1 + F2
Scheme F1 + F2

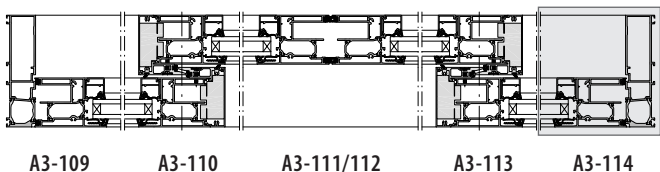
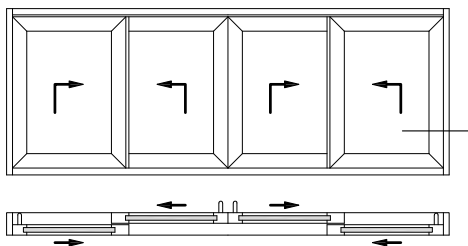
Schiebeflügel Sliding sash	Y	Z	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58	schubweich flexible	103	51,5	K 910153
B 813234	95	70	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70	schubweich flexible	115	57,5	K 910154



Artikel- und Systemzubehörtabellen siehe Seite A3-115
Article- and system accessories tables see page A3-115

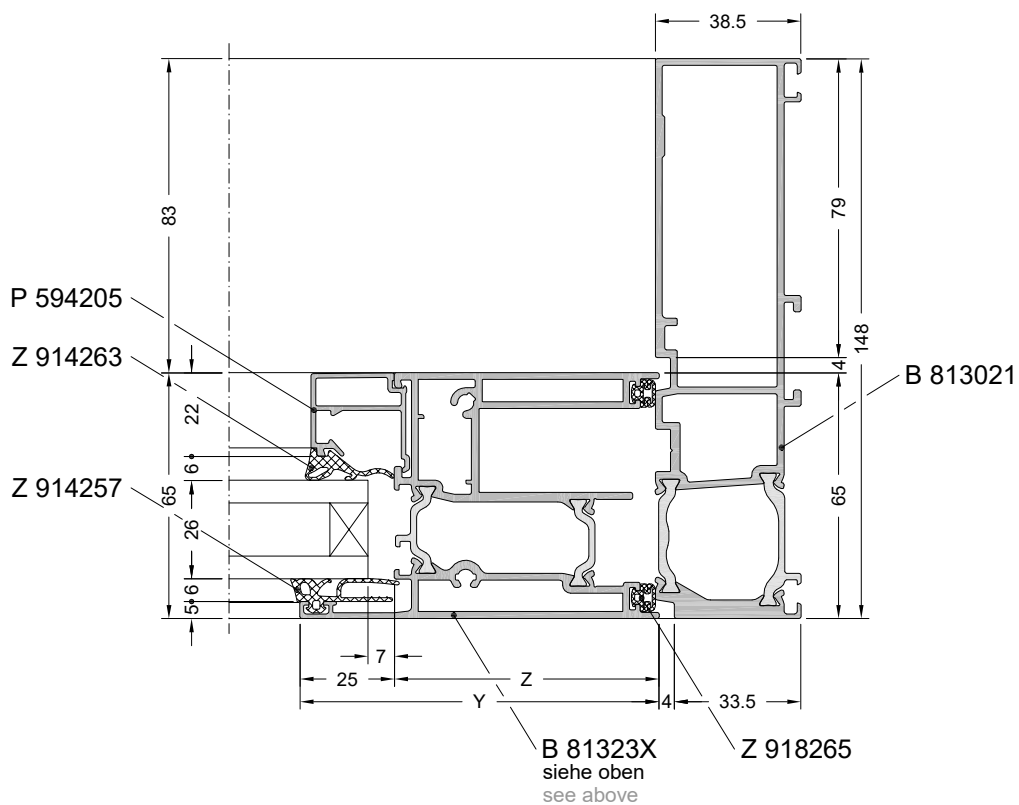
SCHEMA F1 + F2 - HORIZONTALSCHNITT
SCHEME F1 + F2 - HORIZONTAL SECTION

Schema F1 + F2
Scheme F1 + F2



Schiebeflügel Sliding sash	Y	Z	Verbund Composite
B 813232	83	58	schubfest shear-proof
B 813233	83	58	schubweich flexible
B 813234	95	70	schubfest shear-proof
B 813235	95	70	schubweich flexible

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Artikel- und Systemzubehörtabellen siehe Seite A3-115
Article- and system accessories tables see page A3-115

SCHEMA F1 + F2 - TABELLEN
SCHEME F1 + F2 - TABLES

	BLENDRAHMEN OBEN 148/41.5/41.5 FIXED FRAME TOP 148/41.5/41.5	Art. Nr. / Art. no. B 813032
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094

	BLENDRAHMEN UNTEN 148/47/47 FIXED FRAME BOTTOM 148/47/47	Art. Nr. / Art. no. B 813050
Lieferlänge (mm) / Stock length (mm)		6500





PROFILZUBEHÖR / PROFILE ACCESSORIES


Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.
Linsenblechschraube 5 x 50 Torx Lens-shaft metal screw 5 x 50 Torx	100	10x Z 923094

	BLENDRAHMEN SEITLICH 148/38.5/33.5 FIXED FRAME LATERAL 148/38.5/33.5	Art. Nr. / Art. no. B 813021
Lieferlänge (mm) / Stock length (mm)		6500





	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	

	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

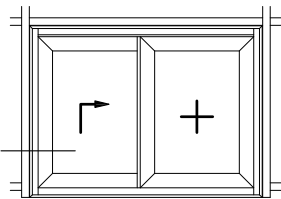
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Abdeckprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910105
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910153
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813700
Schwellenprofil Threshold profile	Lieferlänge / Stock length 6500 mm	P 813710
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Anschlagdichtung, Flügelstoß Rebate gasket, sash joint	25 m	Z 917244
Laufschiene, Edelstahl Roller rail	Lieferlänge / Stock length 6500 mm	Z 917260
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, oben Rebate gasket, top	50 m	Z 918495
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055

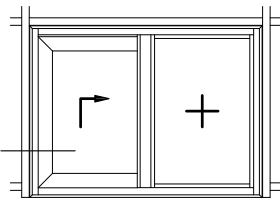
Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

SONDERSCHNITTE - FASSADENANSCHLUSS
SPECIAL SECTION - FAÇADE CONNECTION

Schema / Scheme A1

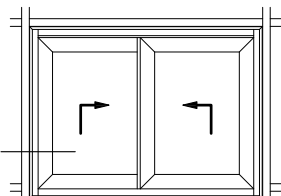


Schema / Scheme MA1

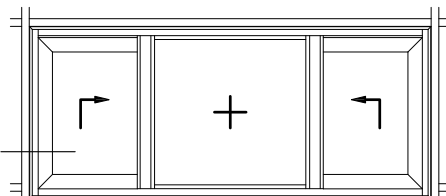


Maßstab / Scale 1:2

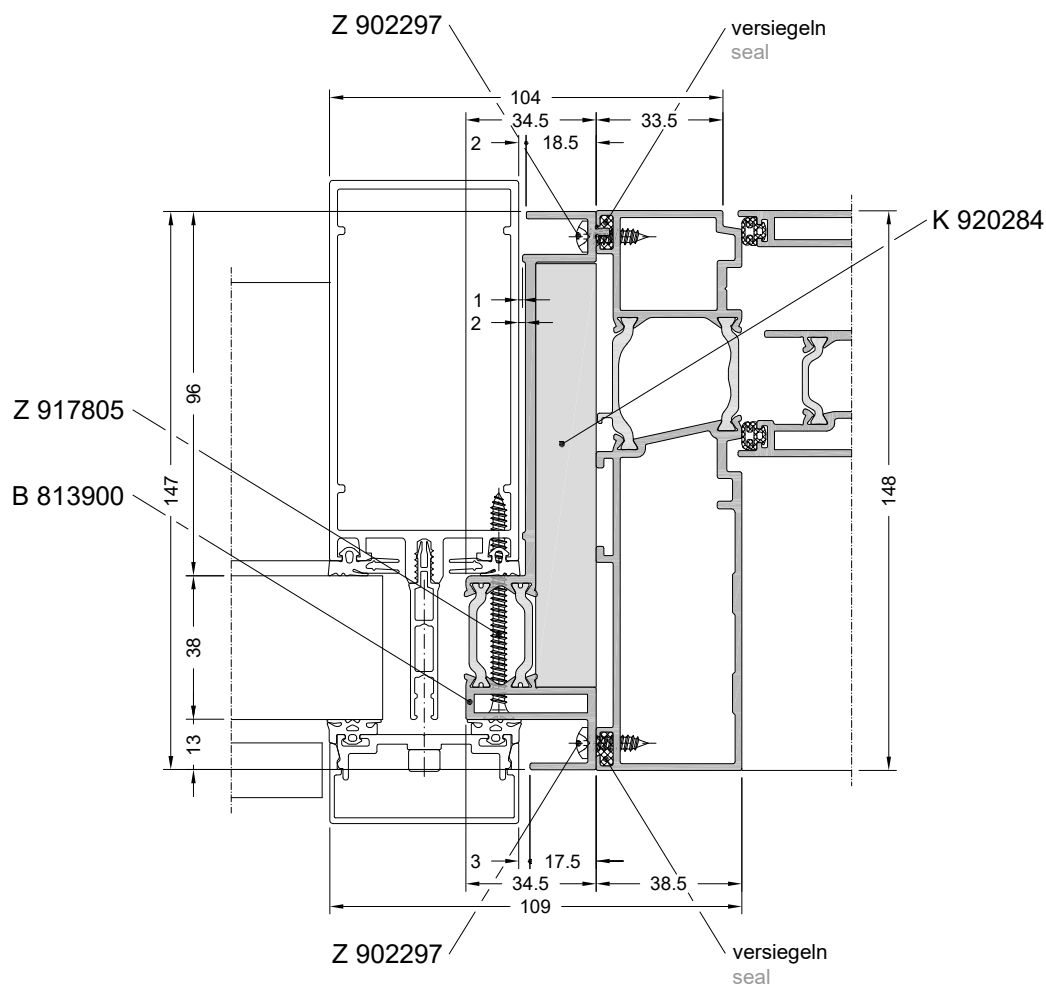
Schema / Scheme D1



Schema / Scheme MK



Der hier gezeigte Detailpunkt ist für die Schemata A1 / MA1 / D1 / MK anwendbar
The detail section shown below is applicable with scheme A1 / MA1 / D1 / MK

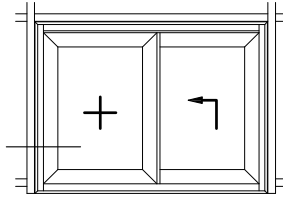


Artikel- und Systemzubehörtabellen siehe Seite A3-124
Article- and system accessories tables see page A3-124

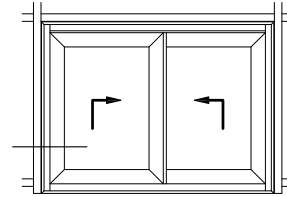
SONDERSCHNITTE - FASSADENANSCHLUSS
SPECIAL SECTION - FAÇADE CONNECTION

Maßstab / Scale 1:2

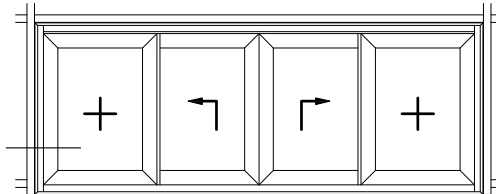
Schema / Scheme A2



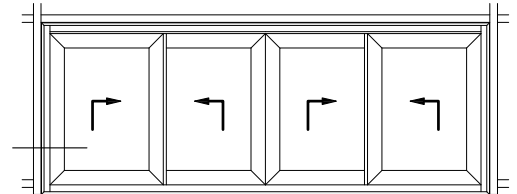
Schema / Scheme D2



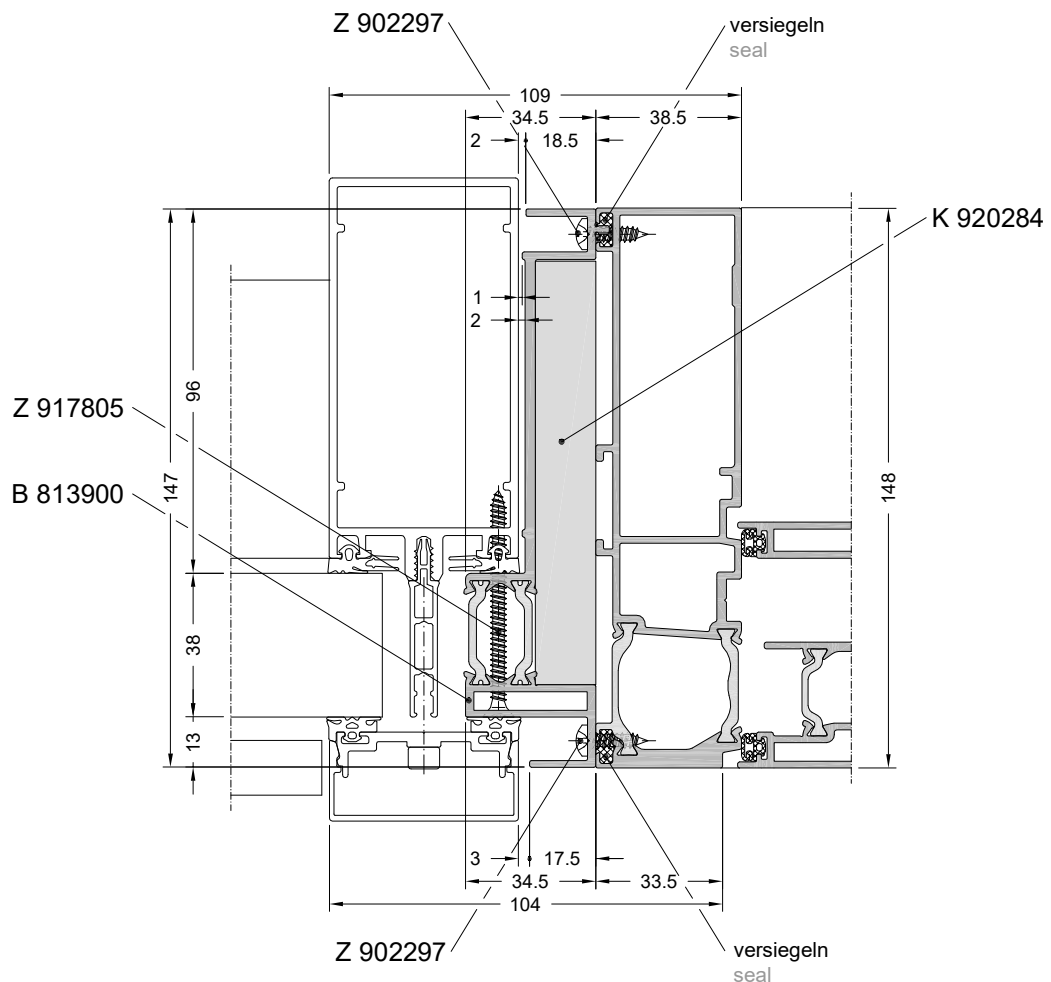
Schema / Scheme C1 + C2



Schema / Scheme F1 + F2

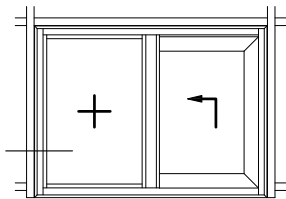


Der hier gezeigte Detailpunkt ist für die Schemata A2 / D2 / C1 + C2 / F1 + F2 anwendbar
The detail section shown below is applicable with scheme A2 / D2 / C1 + C2 / F1 + F2

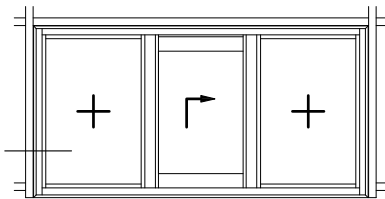


Artikel- und Systemzubehörtabellen siehe Seite A3-124
Article- and system accessories tables see page A3-124

Schema / Scheme MA2

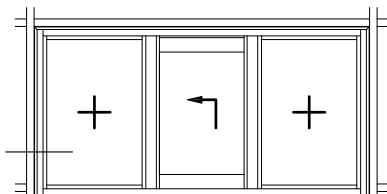


Schema / Scheme MG1

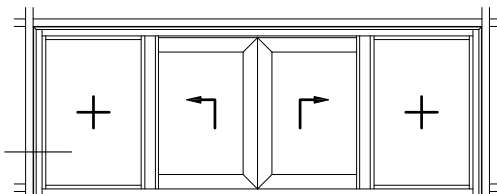


Maßstab / Scale 1:2

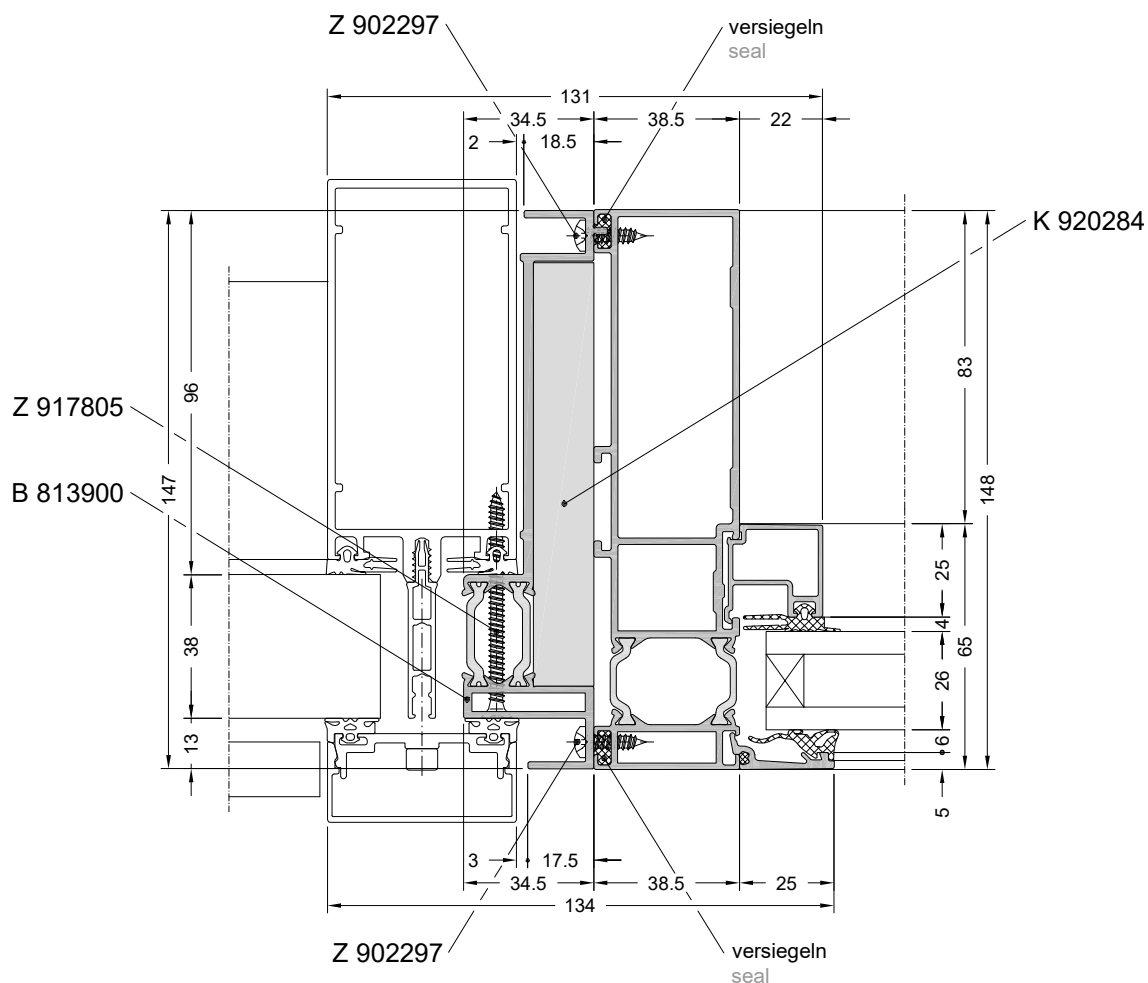
Schema / Scheme MG2



Schema / Scheme MC1 + MC2



Der hier gezeigte Detailpunkt ist für die Schemata MA2 / MG1 / MG2 / MC1 + MC2 anwendbar
The detail section shown below is applicable with scheme MA2 / MG1 / MG2 / MC1 + MC2

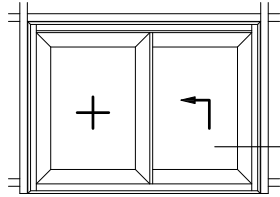


Artikel- und Systemzubehörtabellen siehe Seite A3-124
Article- and system accessories tables see page A3-124

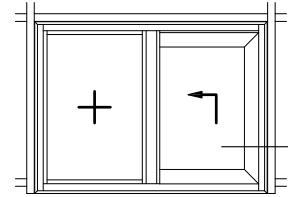
SONDERSCHNITTE - FASSADENANSCHLUSS
SPECIAL SECTION - FAÇADE CONNECTION

Maßstab / Scale 1:2

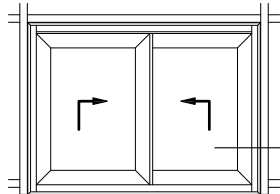
Schema / Scheme A2



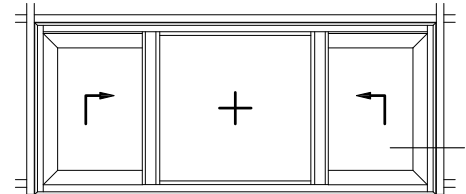
Schema / Scheme MA2



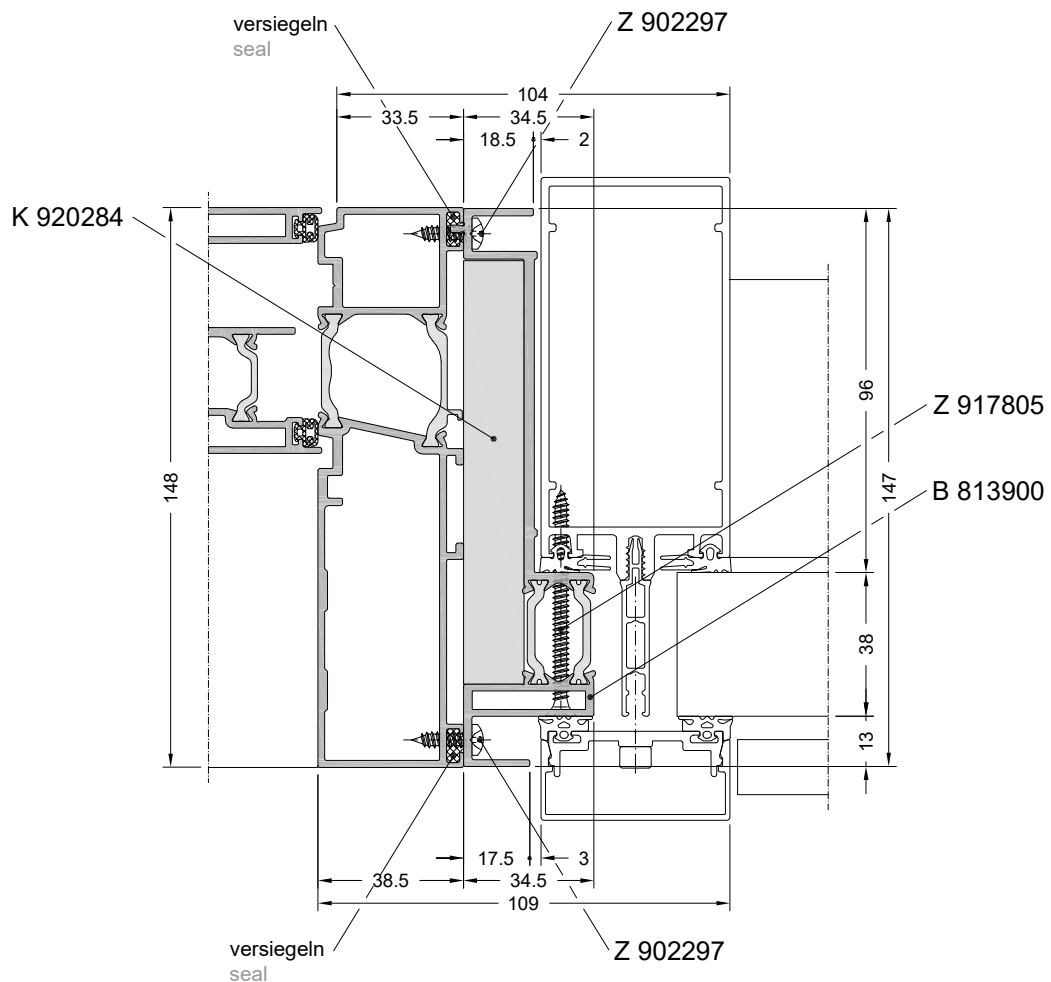
Schema / Scheme D2



Schema / Scheme MK

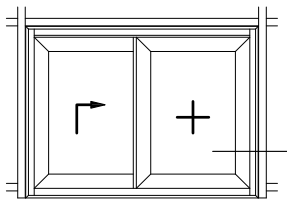


Der hier gezeigte Detailpunkt ist für die Schemata A2 / MA2 / D2 / MK anwendbar
The detail section shown below is applicable with scheme A2 / MA2 / D2 / MK

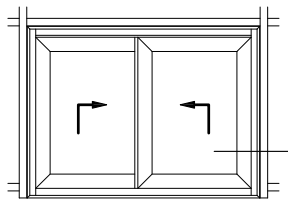


Artikel- und Systemzubehörtabellen siehe Seite A3-124
Article- and system accessories tables see page A3-124

Schema / Scheme A1

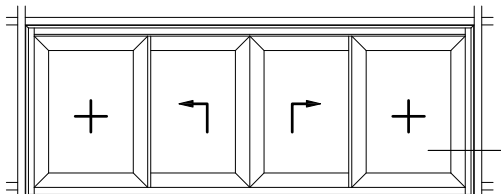


Schema / Scheme D1

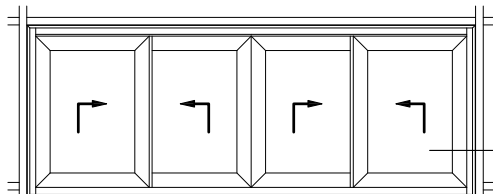


Maßstab / Scale 1:2

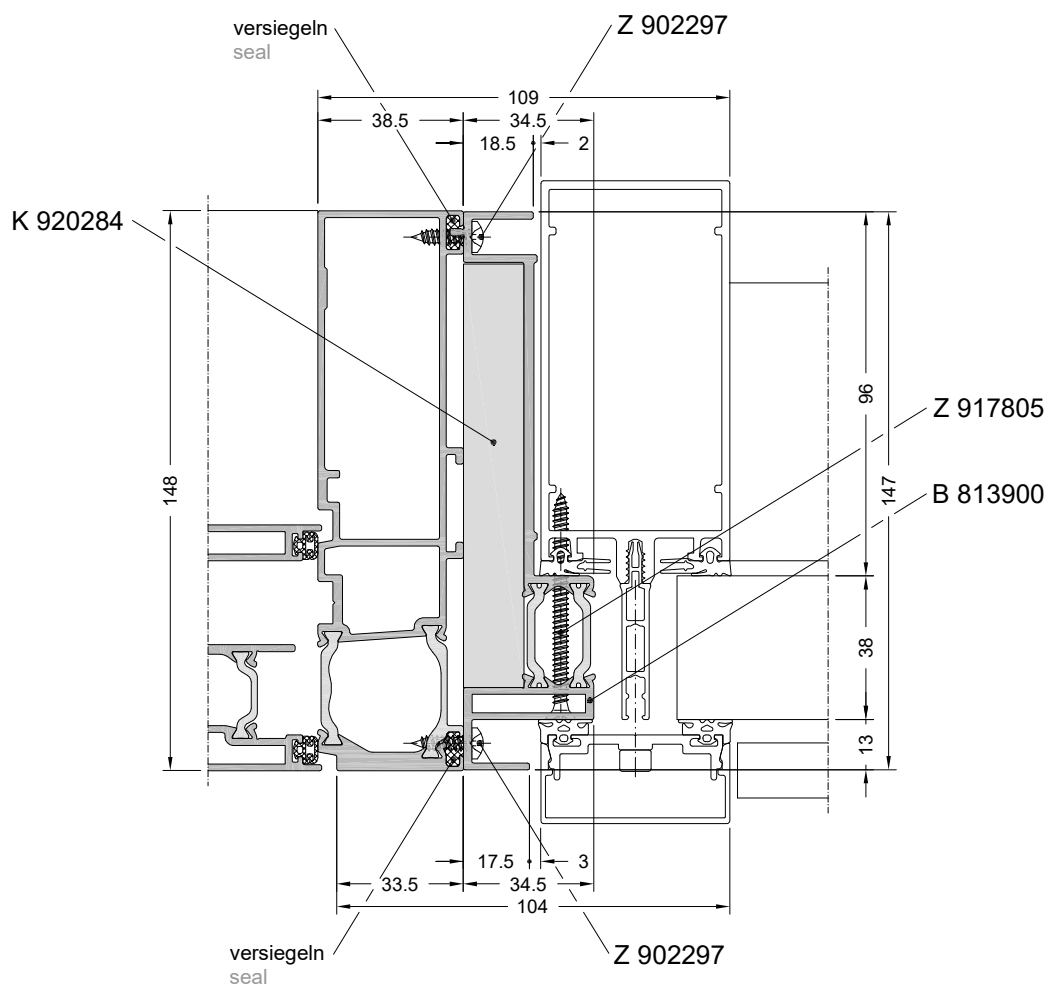
Schema / Scheme C1 + C2



Schema / Scheme F1 + F2



Der hier gezeigte Detailpunkt ist für die Schemata A1 / D1 / C1 + C2 / F1 + F2 anwendbar
The detail section shown below is applicable with scheme A1 / D1 / C1 + C2 / F1 + F2

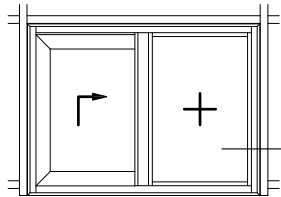


Artikel- und Systemzubehörtabellen siehe Seite A3-124
Article- and system accessories tables see page A3-124

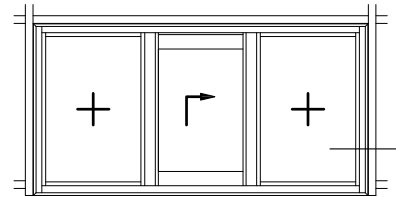
SONDERSCHNITTE - FASSADENANSCHLUSS
SPECIAL SECTION - FAÇADE CONNECTION

Maßstab / Scale 1:2

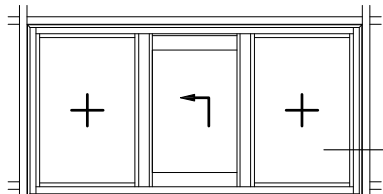
Schema / Scheme MA1



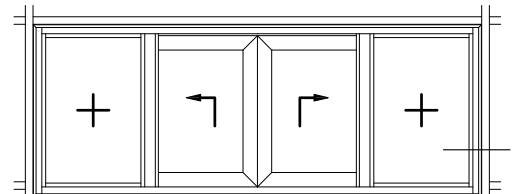
Schema / Scheme MG1



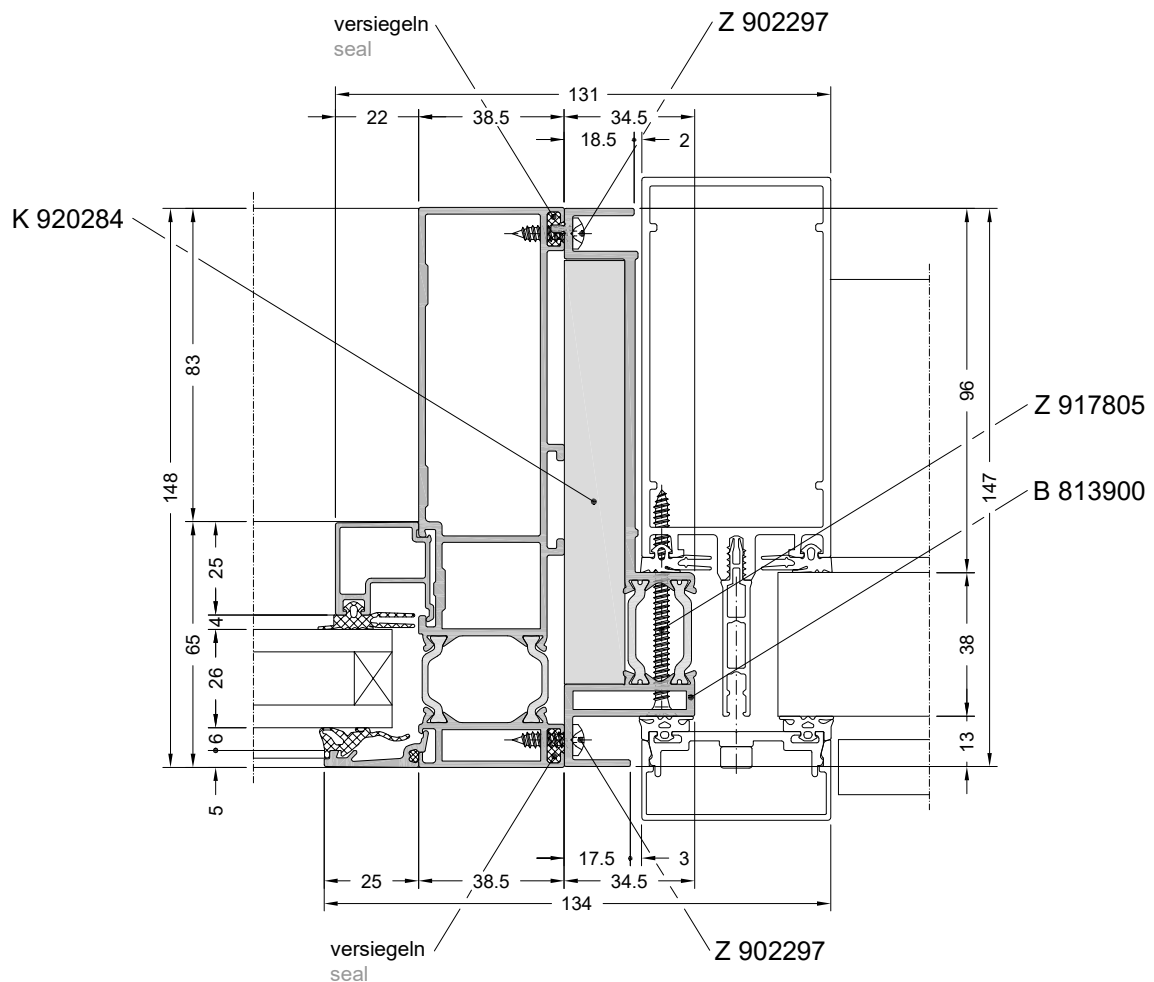
Schema / Scheme MG2



Schema / Scheme MC1 + MC2



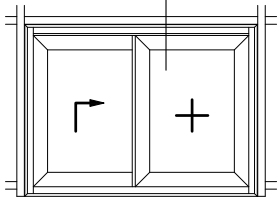
Der hier gezeigte Detailpunkt ist für die Schemata MA1 / MG1 / MG2 / MC1 + MC2 anwendbar
The detail section shown below is applicable with scheme MA1 / MG1 / MG2 / MC1 + MC2



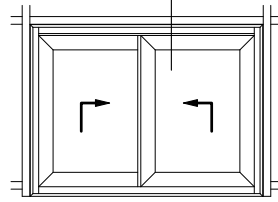
Artikel- und Systemzubehörtabellen siehe Seite A3-124
Article- and system accessories tables see page A3-124

SONDERSCHNITTE - FASSADENANSCHLUSS
SPECIAL SECTION - FAÇADE CONNECTION

Schema / Scheme A1

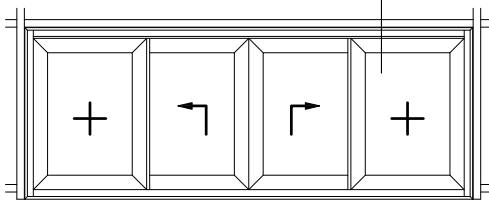


Schema / Scheme D1

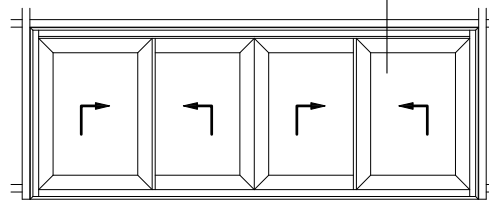


Maßstab / Scale 1:2

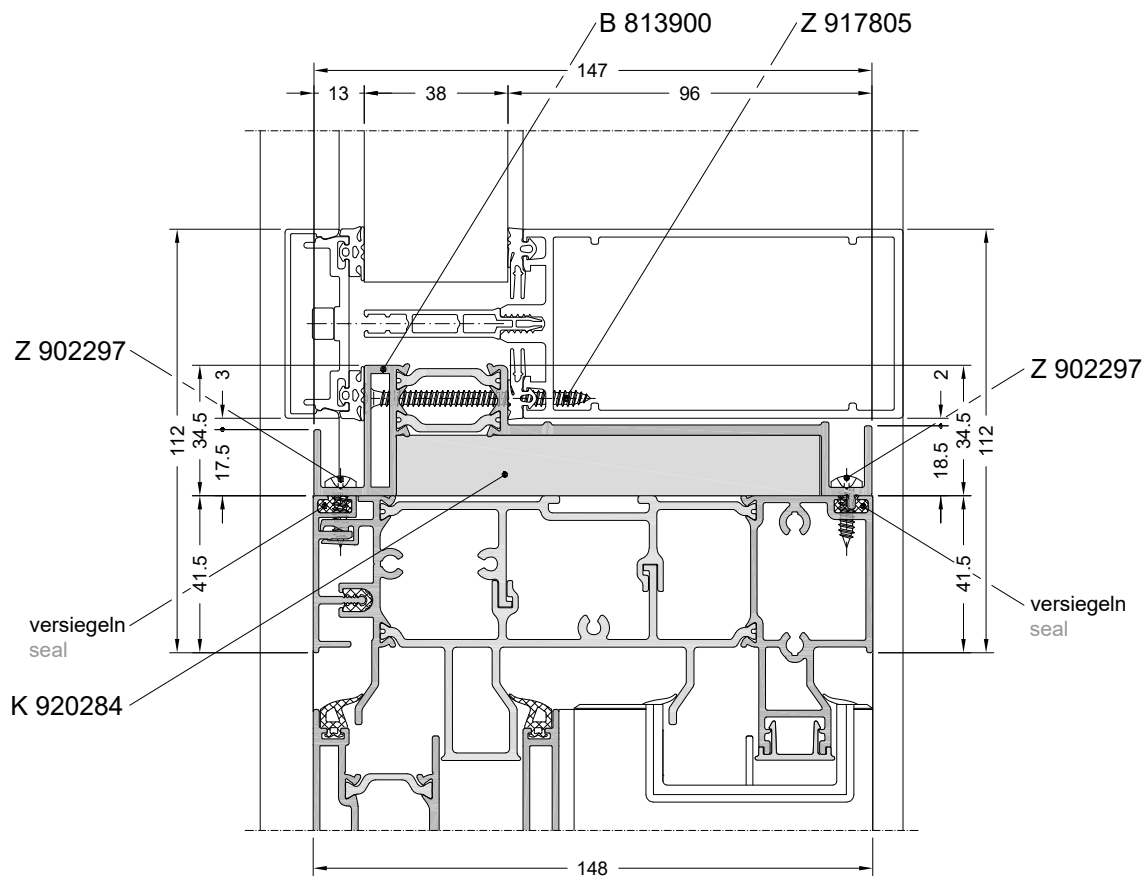
Schema / Scheme C1 + C2



Schema / Scheme F1 + F2



Der hier gezeigte Detailpunkt ist für die Schemata A1 / D1 / C1 + C2 / F1 + F2 anwendbar
The detail section shown below is applicable with scheme A1 / D1 / C1 + C2 / F1 + F2

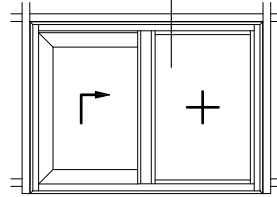


Artikel- und Systemzubehörtabellen siehe Seite A3-124
Article- and system accessories tables see page A3-124

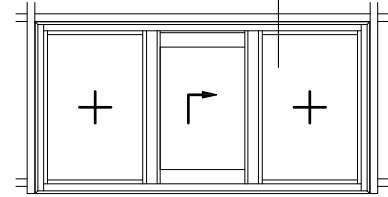
SONDERSCHNITTE - FASSADENANSCHLUSS
SPECIAL SECTION - FAÇADE CONNECTION

Maßstab / Scale 1:2

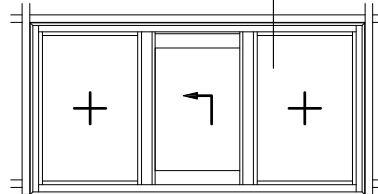
Schema / Scheme MA1



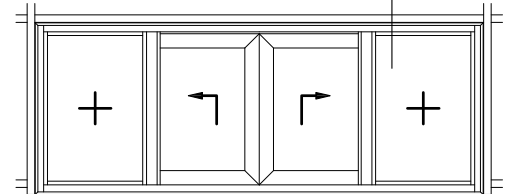
Schema / Scheme MG1



Schema / Scheme MG2



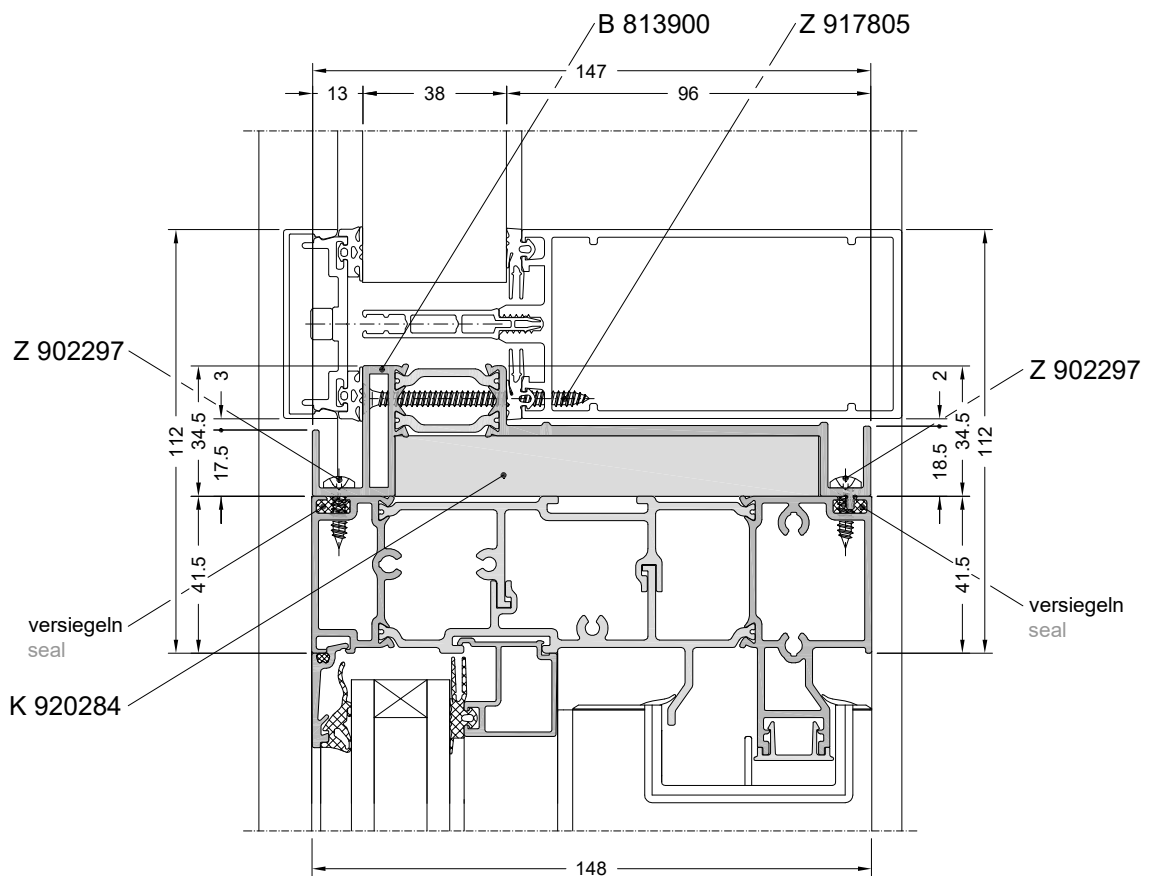
Schema / Scheme MC1 + MC2



A3 Profilschnitte
Profile sections





Der hier gezeigte Detailpunkt ist für die Schemata MA1 / MG1 / MG2 / MC1 + MC2 anwendbar
The detail section shown below is applicable with scheme MA1 / MG1 / MG2 / MC1 + MC2



Artikel- und Systemzubehörtabellen siehe Seite A3-124
Article- and system accessories tables see page A3-124

SONDERSCHNITTE - FASSADENANSCHLUSS - TABELLEN
SPECIAL SECTION - FAÇADE CONNECTION - TABLES

	ADAPTERPROFIL FASSADE 148/19/18/38 ADAPTER PROFILE FACADE 148/19/18/38	Art. Nr. / Art. no. B 813900
	Lieferlänge (mm) / Stock length (mm)	6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	--
 Dämmkern Insulating core	20	K 920284	

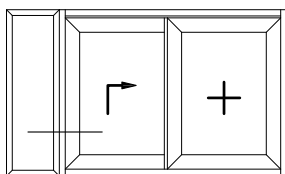
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Schraube 4.2 x 16 DIN 7981 Screw 4.2 x 16 DIN 7981	100	Z 902297
Schraube 4.2 x 60 DIN 7982 Screw 4.2 x 60 DIN 7982	100	Z 917805

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

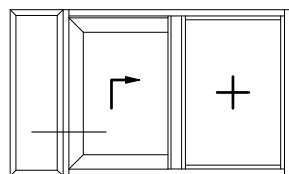


Weitere Tabellen sind den Systemschnitten zu entnehmen!
Other tables can be taken from the system sections!

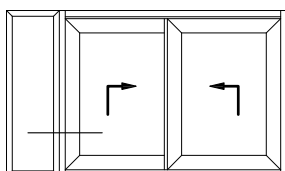
Schema / Scheme A1



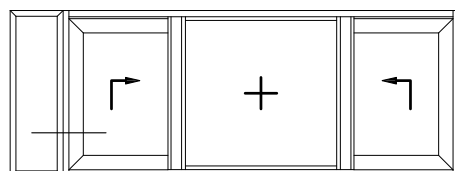
Schema / Scheme MA1



Schema / Scheme D1



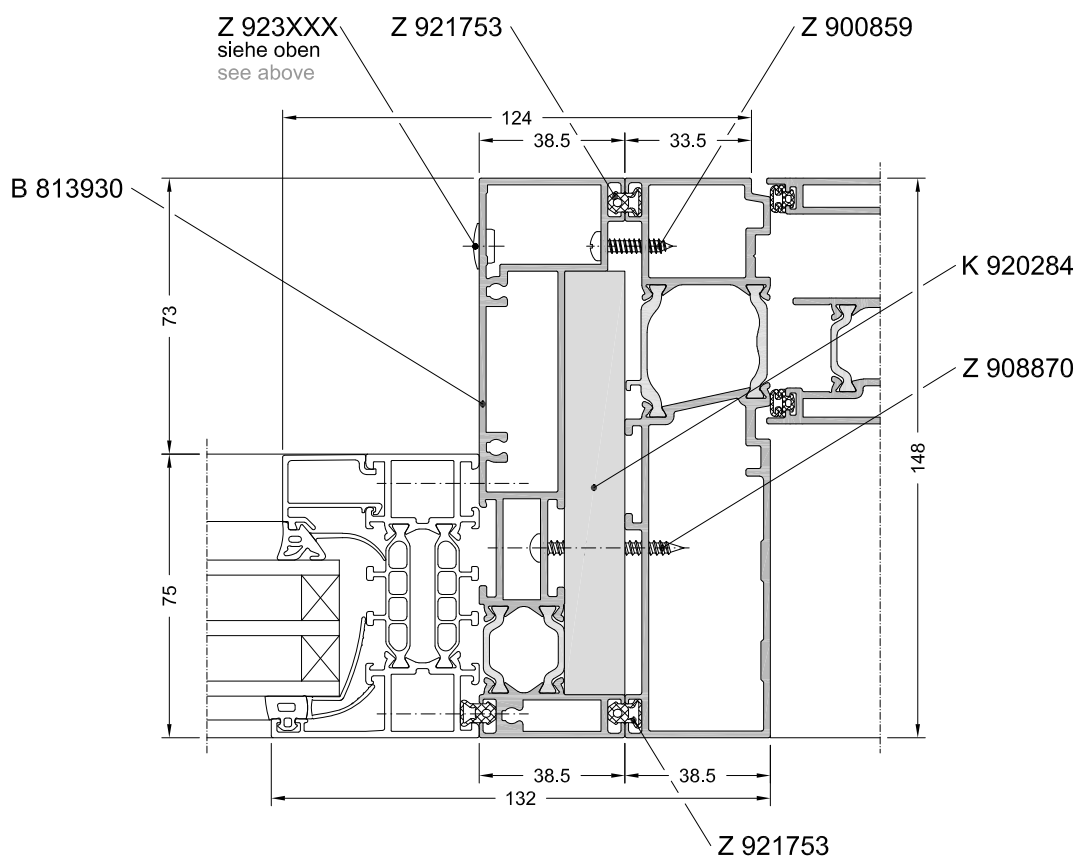
Schema / Scheme MK



KS-Stopfen Plastic plug	Farbe Color
Z 923198	weiß white
Z 923199	schwarz black
Z 923200	grau grey



Der hier gezeigte Detailpunkt ist für die Schemata A1 / MA1 / D1 / MK anwendbar
The detail section shown below is applicable with scheme A1 / MA1 / D1 / MK



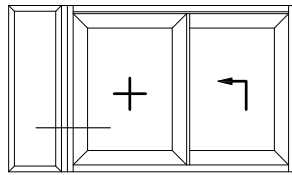
Artikel- und Systemzubehörtabellen siehe Seite A3-130
Article- and system accessories tables see page A3-130

SONDERSCHNITTE - FENSTERANSCHLUSS LAMBDA WS 075
SPECIAL SECTION - WINDOW CONNECTION LAMBDA WS 075

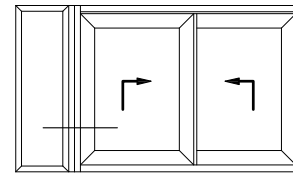
Maßstab / Scale 1:2

KS-Stopfen Plastic plug	Farbe Color
Z 923198	weiß white
Z 923199	schwarz black
Z 923200	grau grey

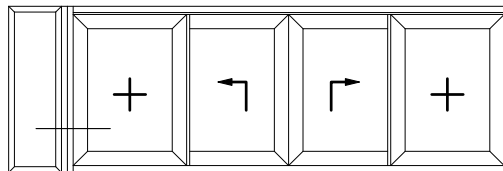
Schema / Scheme A2



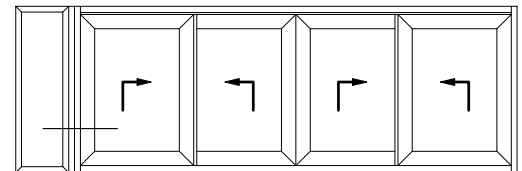
Schema / Scheme D2



Schema / Scheme C1 + C2



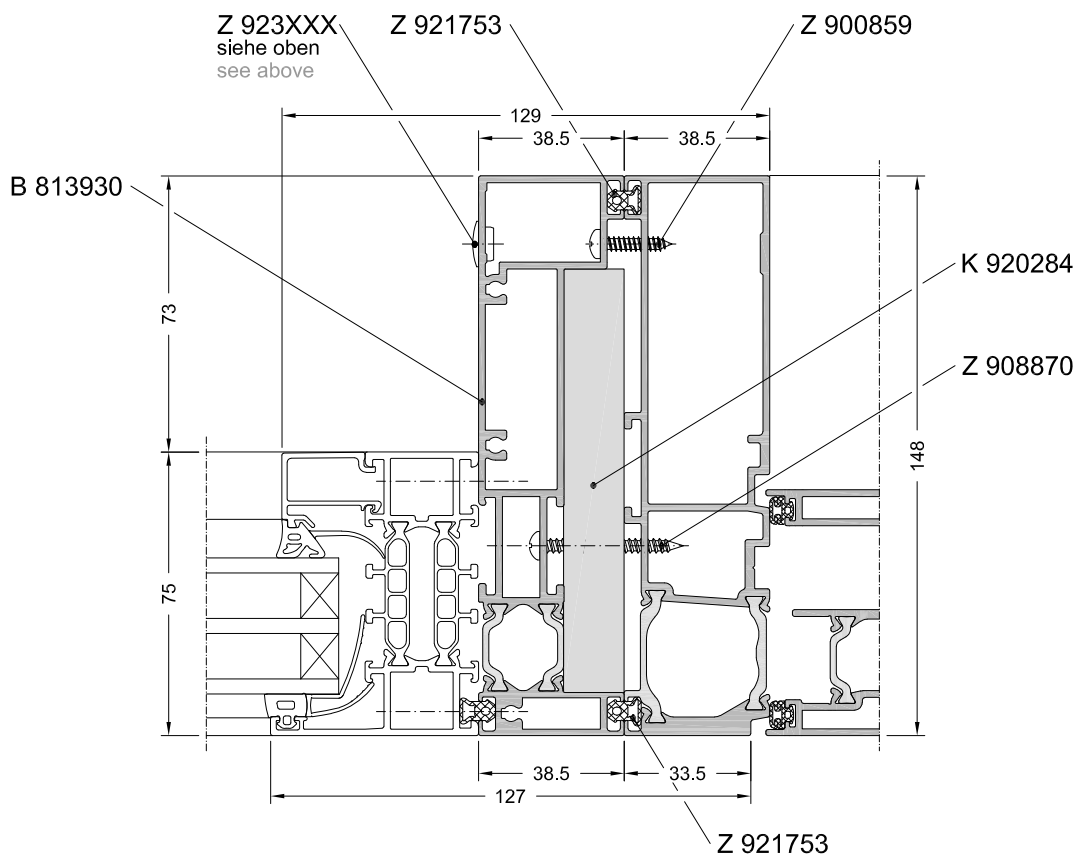
Schema / Scheme F1 + F2



A3 Profilschnitte
Profile sections

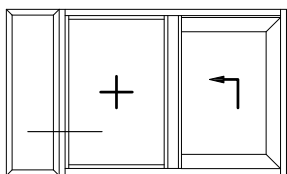


Der hier gezeigte Detailpunkt ist für die Schemata A2 / D2 / C1 + C2 / F1 + F2 anwendbar
The detail section shown below is applicable with scheme A2 / D2 / C1 + C2 / F1 + F2

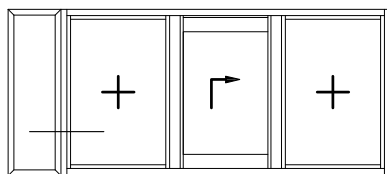


Artikel- und Systemzubehörtabellen siehe Seite A3-130
Article- and system accessories tables see page A3-130

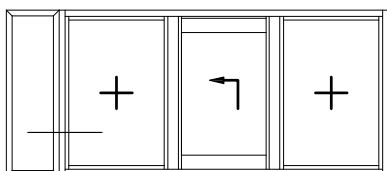
Schema / Scheme MA2



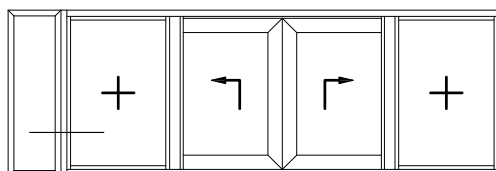
Schema / Scheme MG1



Schema / Scheme MG2



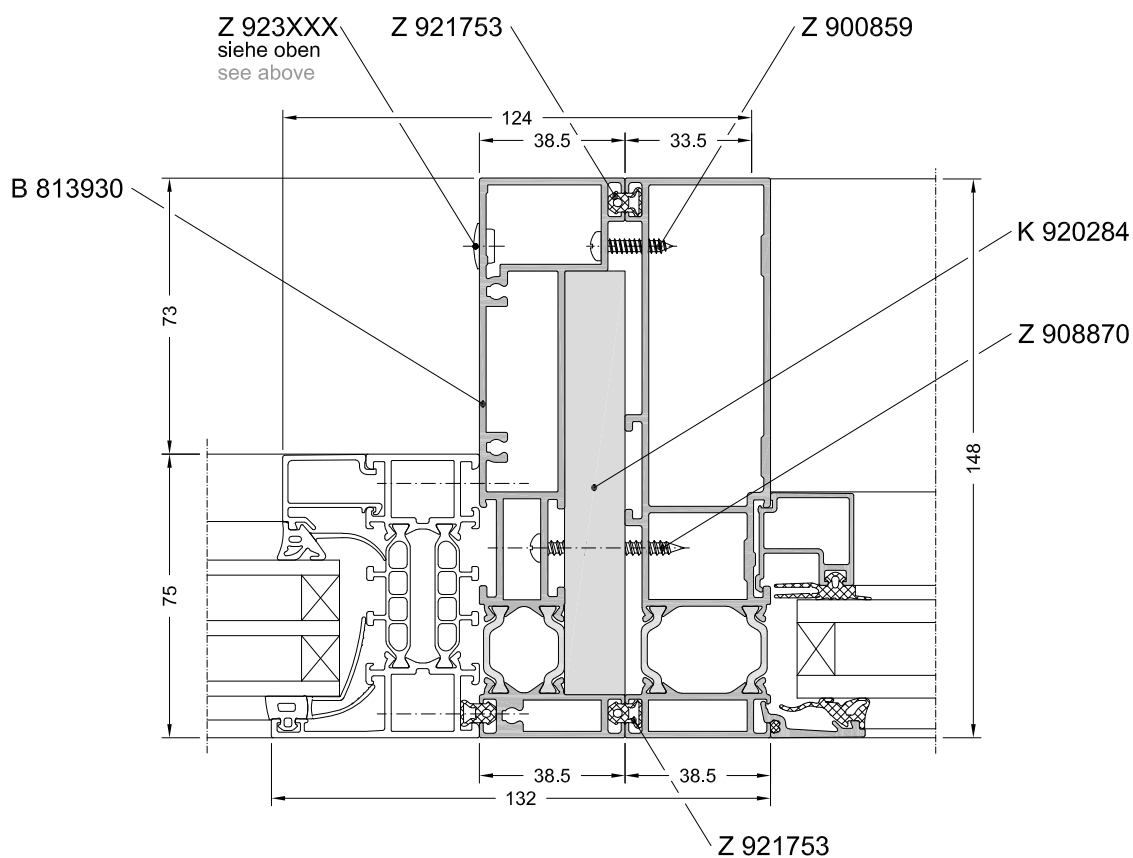
Schema / Scheme MC1 + MC2



KS-Stopfen Plastic plug	Farbe Color
Z 923198	weiß white
Z 923199	schwarz black
Z 923200	grau grey



Der hier gezeigte Detailpunkt ist für die Schemata MA2 / MG1 / MG2 / MC1 + MC2 anwendbar
The detail section shown below is applicable with scheme MA2 / MG1 / MG2 / MC1 + MC2



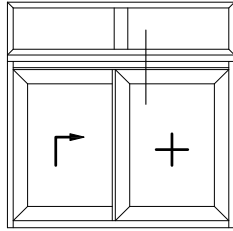
Artikel- und Systemzubehörtabellen siehe Seite A3-130
Article- and system accessories tables see page A3-130

SONDERSCHNITTE - FENSTERANSCHLUSS LAMBDA WS 075
SPECIAL SECTION - WINDOW CONNECTION LAMBDA WS 075

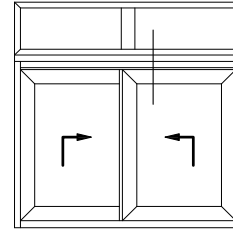
Maßstab / Scale 1:2

KS-Stopfen Plastic plug	Farbe Color
Z 923198	weiß white
Z 923199	schwarz black
Z 923200	grau grey

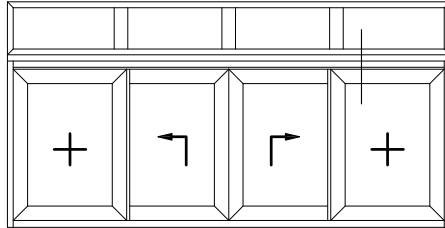
Schema / Scheme A1



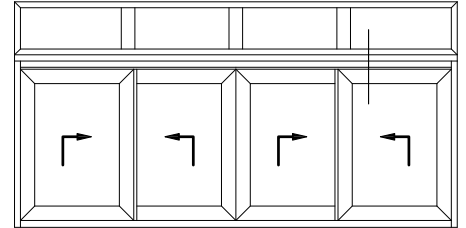
Schema / Scheme D1



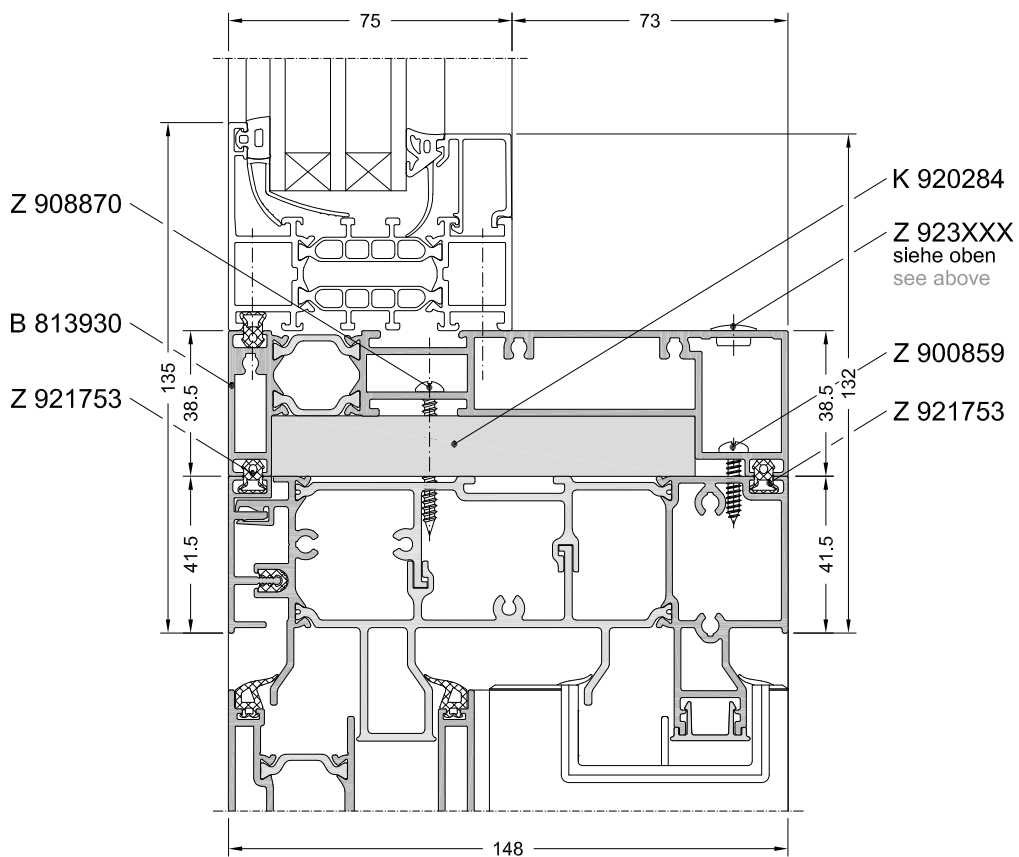
Schema / Scheme MC1 + MC2



Schema / Scheme F1 + F2







Der hier gezeigte Detailpunkt ist für die Schemata A1 / D1 / MC1 + MC2 / F1 + F2 anwendbar
The detail section shown below is applicable with scheme A1 / D1 / MC1 + MC2 / F1 + F2



Artikel- und Systemzubehörtabeln siehe Seite A3-130
Article- and sytem accessories tables see page A3-130

SONDERSCHNITTE - FENSTERANSCHLUSS LAMBDA WS 075 - TABELLEN
SPECIAL SECTION - WINDOW CONNECTION LAMBDA WS 075 - TABLES

	ADAPTERPROFIL FASSADE 148/38.5/38.5 ADAPTER PROFILE FACADE 148/38.5/38.5	Art. Nr. / Art. no. B 813930
	Lieferlänge (mm) / Stock length (mm)	6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / (I) aussen (I) external	Profile chamber (II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 923130	Z 923129 + Z 923128
 Stift Nail	100	2x Z 911049	2x Z 911513 + 2x Z 911049
 Dämmkern Insulating core	20	K 920284	

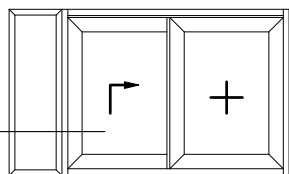
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Schraube 4.2 x 16 DIN 7981 Screw 4.2 x 16 DIN 7981	100	Z 902297
Schraube 4.2 x 60 DIN 7982 Screw 4.2 x 60 DIN 7982	100	Z 917805
Stoßdichtung Joint gasket	100 m	Z 921753
KS-Stopfen, weiß Plastic plug, white	100	Z 923198
KS-Stopfen, schwarz Plastic plug, black	100	Z 923199
KS-Stopfen, grau Plastic plug, grey	100	Z 923200

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

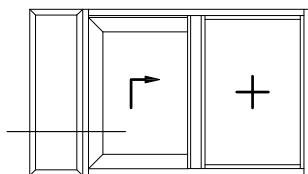
SONDERSCHNITTE - SEITENTEIL MIT UMLAUFENDEM ADAPTERPROFIL
SPECIAL SECTION - SIDEFRAME WITH CIRCUMFERENTIAL ADAPTER PROFILE

Maßstab / Scale 1:2

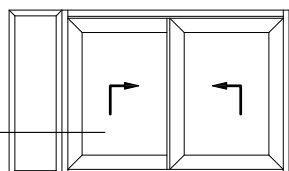
Schema / Scheme A1



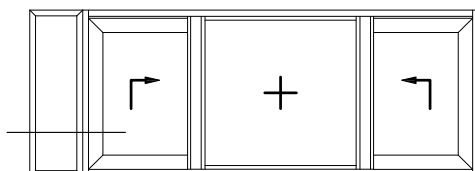
Schema / Scheme MA1



Schema / Scheme D1



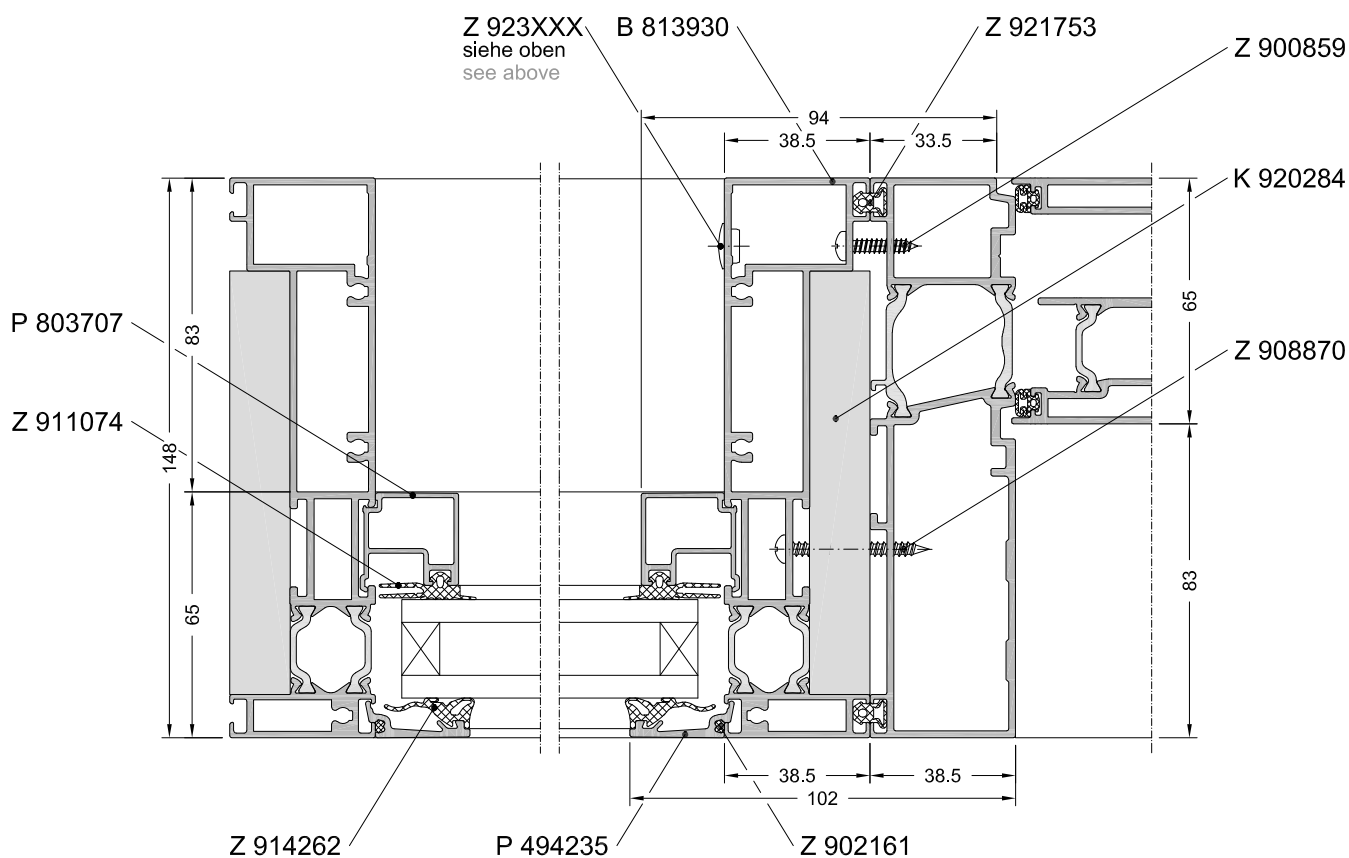
Schema / Scheme MK




KS-Stopfen Plastic plug	Farbe Color
Z 923198	weiß white
Z 923199	schwarz black
Z 923200	grau grey






Der hier gezeigte Detailpunkt ist für die Schemata A1 / MA1 / D1 / MK anwendbar
The detail section shown below is applicable with scheme A1 / MA1 / D1 / MK



SONDERSCHNITTE - SEITENTEIL MIT UMLAUFENDEM ADAPTERPROFIL
SPECIAL SECTION - SIDEFAME WITH CIRCUMFERENTIAL ADAPTER PROFILE

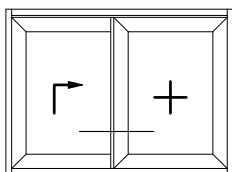
	ADAPTERPROFIL FASSADE 148/38.5/38.5	Art. Nr. / Art. no.
	ADAPTER PROFILE FACADE 148/38.5/38.5	B 813930
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 923130	Z 923129 + Z 923128
 Stift Nail	100	2x Z 911049	2x Z 911513 + 2x Z 911049
 Dämmkern Insulating core	20	K 920284	

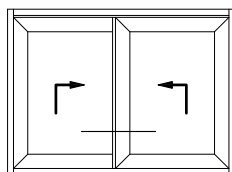
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Schraube 4.2 x 16 DIN 7981 Screw 4.2 x 16 DIN 7981	100	Z 902297
Schraube 4.2 x 60 DIN 7982 Screw 4.2 x 60 DIN 7982	100	Z 917805
Stoßdichtung Joint gasket	100 m	Z 921753
KS-Stopfen, weiß Plastic plug, white	100	Z 923198
KS-Stopfen, schwarz Plastic plug, black	100	Z 923199
KS-Stopfen, grau Plastic plug, grey	100	Z 923200

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

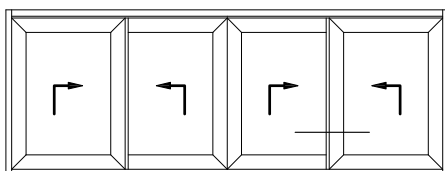
Schema / Scheme A1



Schema / Scheme D1



Schema / Scheme F1 + F2

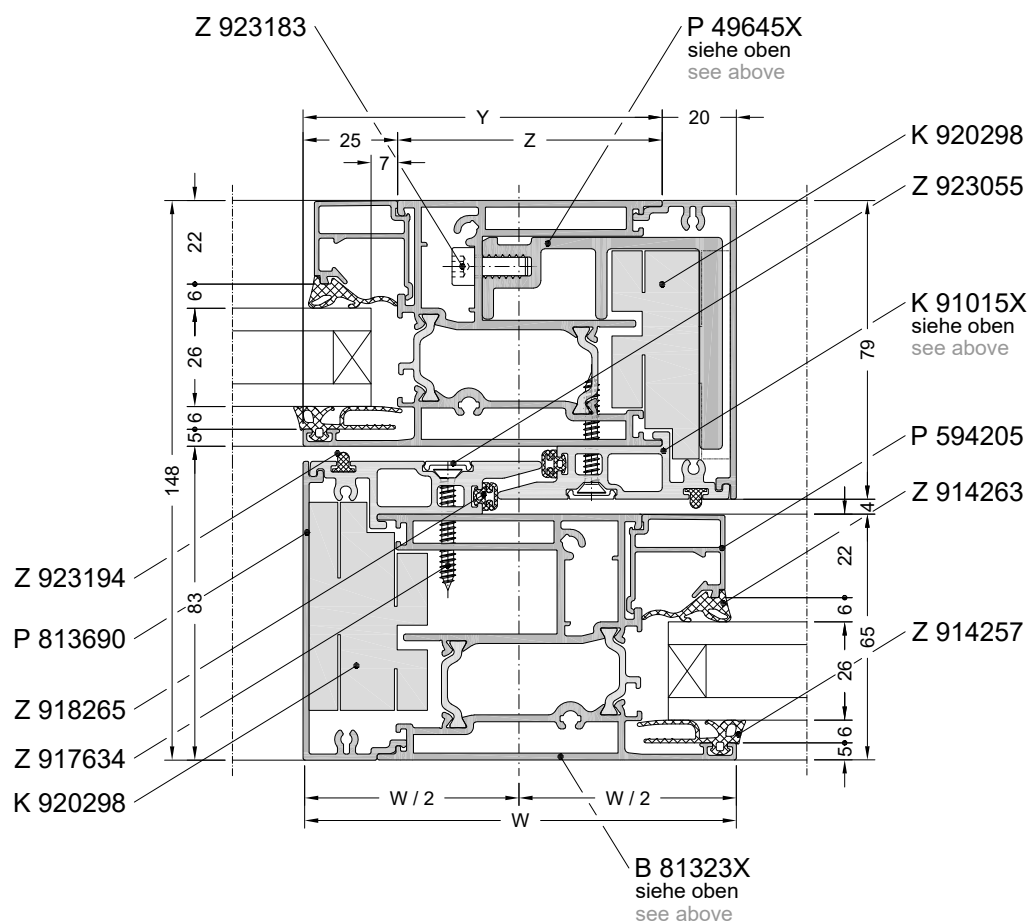


Schiebeflügel Sliding sash	Y	Z	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile	Statikprofil Static profile
B 813232	83	58	schubfest shear-proof	103	51,5	K 910153	P 496455
B 813233	83	58	schubweich flexible	103	51,5	K 910153	P 496455
B 813234	95	70	schubfest shear-proof	115	57,5	K 910154	P 496453
B 813235	95	70	schubweich flexible	115	57,5	K 910154	P 496453








Der hier gezeigte Detailpunkt ist für die Schemata A1 / D1 / F1 + F2 anwendbar


The detail section shown below is applicable with scheme A1 / D1 / F1 + F2







SONDERSCHNITTE - STATISCHE VERSTÄRKUNG - TABELLEN
SPECIAL SECTION - STATICAL REINFORCEMENT - TABLES

	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	

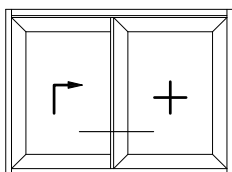
	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

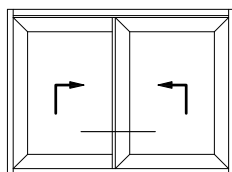
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910153
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Statikprofil Static profile	Lieferlänge / Stock length 6500 mm	P 496453
Statikprofil Static profile	Lieferlänge / Stock length 6500 mm	P 496455
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194
Schraube M6 x 14 DIN 912 Screw M6 x 14 DIN 912	100	Z 923183

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

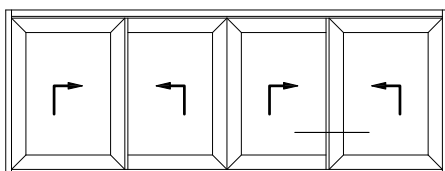
Schema / Scheme A1



Schema / Scheme D1



Schema / Scheme F1 + F2

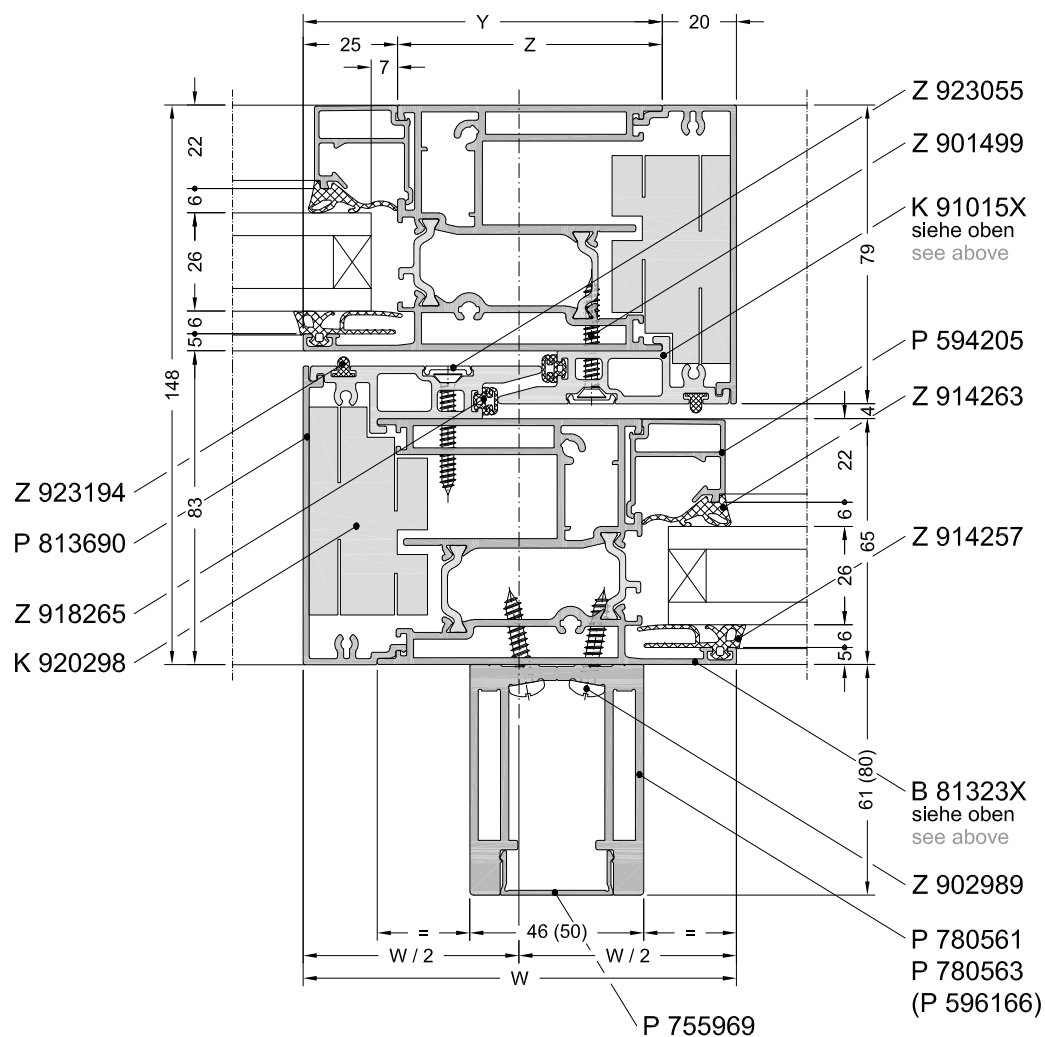


Schiebeflügel Sliding sash	Y	Z	Verbund Composite	W	W / 2	Labyrinthprofil Labyrinth profile
B 813232	83	58	schubfest shear-proof	103	51,5	K 910153
B 813233	83	58	schubweich flexible	103	51,5	K 910153
B 813234	95	70	schubfest shear-proof	115	57,5	K 910154
B 813235	95	70	schubweich flexible	115	57,5	K 910154



Der hier gezeigte Detailpunkt ist für die Schemata A1 / D1 / F1 + F2 anwendbar


The detail section shown below is applicable with scheme A1 / D1 / F1 + F2








Die Dimensionierung der Verstärkungsprofile erfolgt nach statischen Anforderungen !





The dimensioning of the reinforcement profile depends on static requirements !

SONDERSCHNITTE - STATISCHE VERSTÄRKUNG - TABELLEN
SPECIAL SECTION - STATICAL REINFORCEMENT - TABLES

	SCHIEBEFLÜGEL 65/58/83 SLIDING SASH 65/58/83	Art. Nr. / Art. no. B 813232 / B 813233
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917259	Z 918817 + Z 917258
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	137	K 920326	

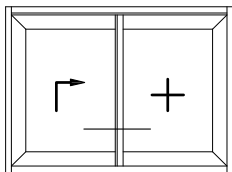
	SCHIEBEFLÜGEL 65/70/95 SLIDING SASH 65/70/95	Art. Nr. / Art. no. B 813234 / B 813235
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES			
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder Corner cleat	20	Z 917257	Z 918817 + Z 917256
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 Dämmkern Insulating core	98	K 920324	

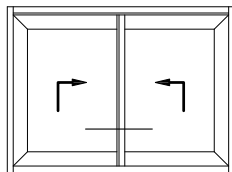
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910153
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910154
Dämmkern Insulating core	Lieferlänge / Stock length 6500 mm	K 920298
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Verstärkungsprofil Reinforcement profile	Lieferlänge / Stock length 6500 mm	P 596166
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 755969
Verstärkungsprofil Reinforcement profile	Lieferlänge / Stock length 6500 mm	P 780561
Verstärkungsprofil Reinforcement profile	Lieferlänge / Stock length 6500 mm	P 780563
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813690
Schraube 4.8 x 32 Screw 4.8 x 32	100	Z 901961
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Schraube 4.2 x 32 Screw 4.2 x 32	in Kombi in Combi.	Z 917634
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Abdeckprofil, EPDM, schwarz Cover profile, EPDM, black	Lieferlänge / Stock length 6500 mm	Z 923055
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

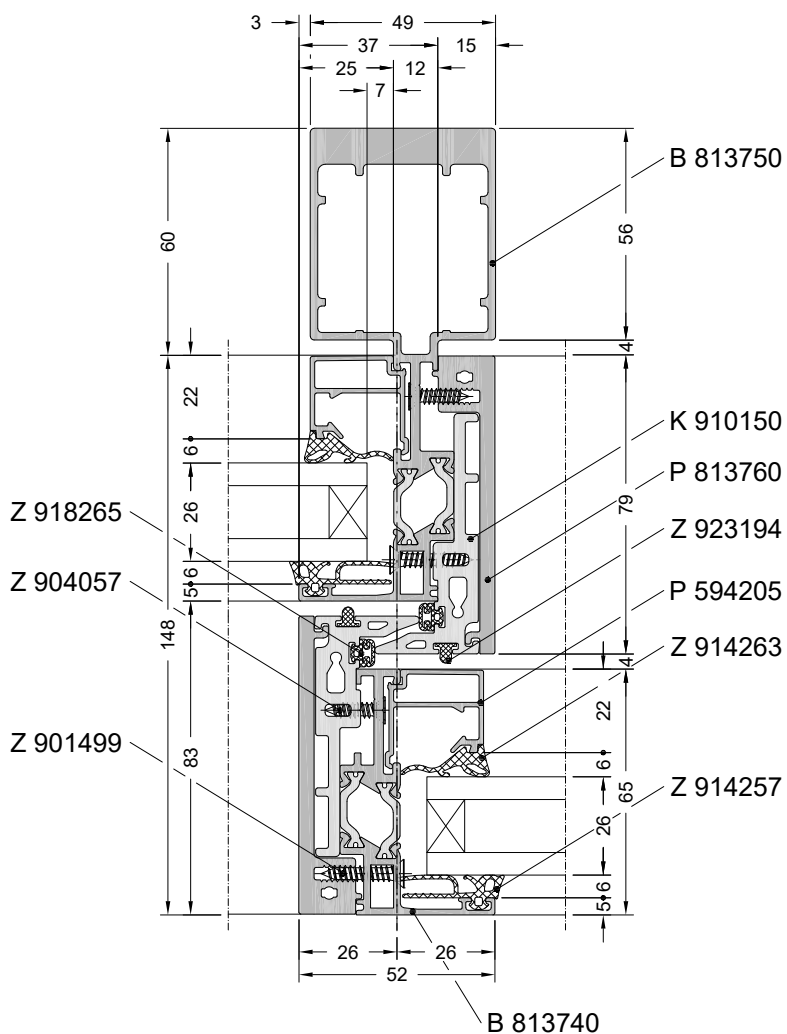
Schema / Scheme A1




Schema / Scheme D1



Der hier gezeigte Detailpunkt ist für die Schemata A1 / D1 anwendbar
The detail section shown below is applicable with scheme A1 / D1



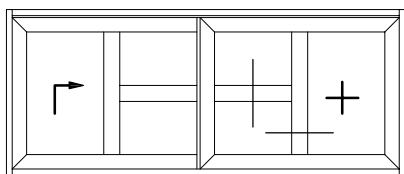
SONDERSCHNITTE - STATISCHE VERSTÄRKUNG - TABELLEN
SPECIAL SECTION - STATICAL REINFORCEMENT - TABLES

	SCHIEBEFLÜGEL 65/12/37 SLIDING SASH 65/12/37	Art. Nr. / Art. no. B 813740
	Lieferlänge (mm) / Stock length (mm)	6500

	SCHIEBEFLÜGEL MIT VERSTÄRKUNG 125/49/37 SLIDING SASH W. REINFORCEMENT 125/49/37	Art. Nr. / Art. no. B 813750
	Lieferlänge (mm) / Stock length (mm)	6500

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Labyrinthprofil, Kunststoff Labyrinth profile, plastic	Lieferlänge / Stock length 6500 mm	K 910150
Glasleiste 22 mm Glazing bead 22 mm	Lieferlänge / Stock length 6500 mm	P 594205
Abdeckprofil Cover profile	Lieferlänge / Stock length 6500 mm	P 813760
Schraube 4.2 x 22 DIN 7982 Screw 4.2 x 22 DIN 7982	100	Z 901499
Schraube 4.2 x 16 DIN 7982 Screw 4.2 x 16 DIN 7982	100	Z 904057
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263
Anschlagdichtung, unten / seitlich Rebate gasket, bottom / lateral	100 m	Z 918265
Lippendichtung Q-Lon Lip seal Q-Lon	50 m	Z 923194

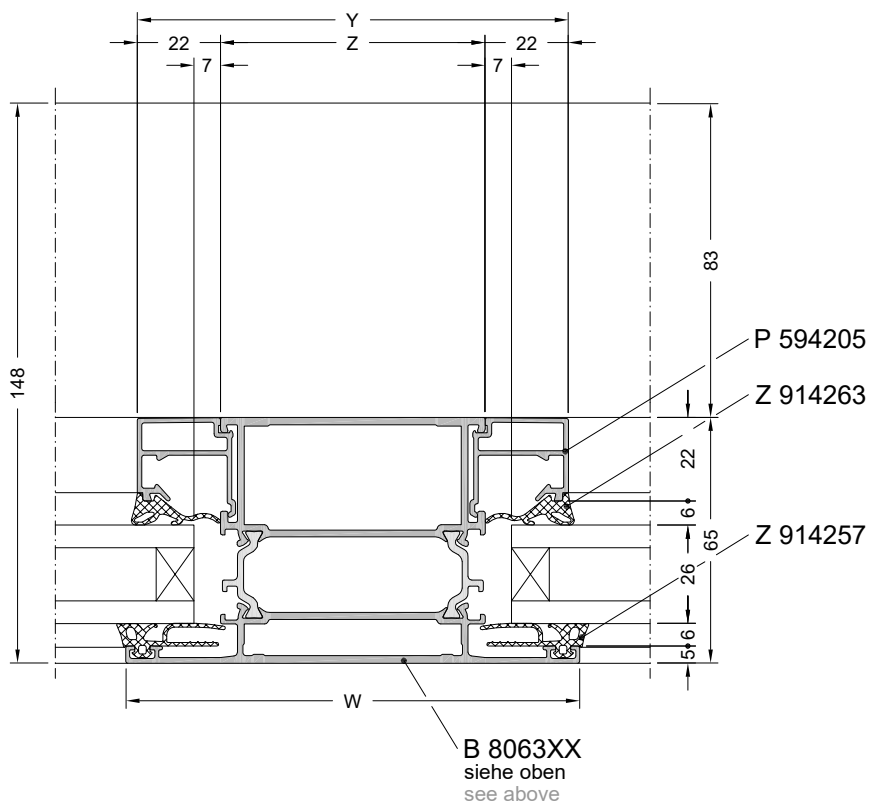
Systemzubehör entsprechend Profilschnitten
System accessories according profile sections




Sprosse Transom profile	W	Y	Z
B 806310	83	77	33
B 806330	96	90	46
B 806340	105	99	55
B 806350	120	114	70











Die Sprossenprofile sind horizontal und vertikal einsetzbar!
The transom profiles can be used horizontal and vertical!




SONDERSCHNITTE - SPROSSE - TABELLEN
SPECIAL SECTION - TRANSOM - TABLES









	SPROSSE 65/33/83 TRANSOM PROFILE 65/33/83	Art. Nr. / Art. no. B 806310
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder / Corner cleat Eckverbinder, verstellbar Corner cleat, adjustable	20 --	Z 914295 --	Z 911956 --
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20 --	Z 914374 --	Z 914383 --
 Stift Nail	100	2x Z 911513	2x Z 914351
 Formteil links / Shaped piece left	100	Z 914234	--
 Formteil rechts / Shaped piece right	100	Z 914235	--
 Dichtkissen / Sealing pad	20	Z 917306	--









	SPROSSE 65/46/96 TRANSOM PROFILE 65/46/96	Art. Nr. / Art. no. B 806330
Lieferlänge (mm) / Stock length (mm)		6500


PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder / Corner cleat Eckverbinder, verstellbar Corner cleat, adjustable	20 --	Z 914297 --	Z 911120 --
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20 --	Z 914376 --	Z 914385 --
 Stift Nail	100	2x Z 911513	2x Z 914351
 Formteil links / Shaped piece left	100	Z 914234	--
 Formteil rechts / Shaped piece right	100	Z 914235	--
 Dichtkissen / Sealing pad	20	Z 917308	--









	SPROSSE 65/55/105 TRANSOM PROFILE 65/55/105	Art. Nr. / Art. no. B 806340
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder / Corner cleat Eckverbinder, verstellbar Corner cleat, adjustable	20 --	Z 914298 --	Z 914423 --
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20 --	Z 914377 --	Z 914386 --
 Stift Nail	100	2x Z 911513	2x Z 914351
 Formteil links / Shaped piece left	100	Z 914234	--
 Formteil rechts / Shaped piece right	100	Z 914235	--
 Dichtkissen / Sealing pad	20	2x Z 914352	--

	SPROSSE 65/70/120 TRANSOM PROFILE 65/70/120	Art. Nr. / Art. no. B 806350
Lieferlänge (mm) / Stock length (mm)		6500

PROFILZUBEHÖR / PROFILE ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. / Art. no.	
		Profilkammer / Profile chamber (I) aussen (I) external	(II) innen (II) internal
 Eckverbinder / Corner cleat Eckverbinder, verstellbar Corner cleat, adjustable	20 --	Z 914299 --	Z 914425 --
 Stift Nail	100	2x Z 911049	2x Z 900023
 Aussteifungswinkel Corner strengthening piece	100	Z 914240	--
 T-Verbinder / T-cleat T-Verbinder, verstellbar T-cleat, adjustable	20 --	Z 914378 --	Z 914387 --
 Stift Nail	100	2x Z 911513	2x Z 914351
 Formteil links / Shaped piece left	100	Z 914234	--
 Formteil rechts / Shaped piece right	100	Z 914235	--
 Dichtkissen / Sealing pad	20	2x Z 914352	--

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Glasleiste 22 mm, innen Glazing bead 22 mm, internal	Lieferlänge / Stock length 6500 mm	P 594205
Verglasungsdichtung, aussen Glazing gasket, external	50 m	Z 914257
Verglasungsdichtung, innen Glazing gasket, internal	100 m	Z 914263

Systemzubehör entsprechend Profilschnitten
System accessories according profile sections

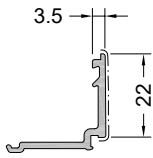
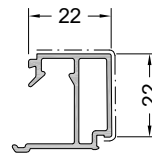
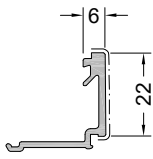
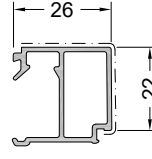
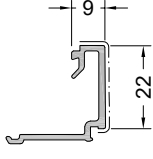
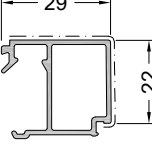
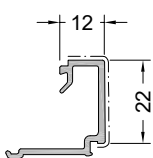
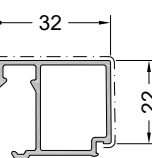
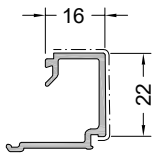
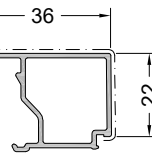
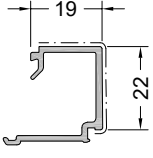
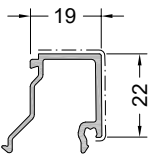
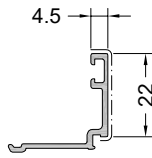
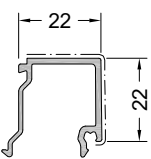
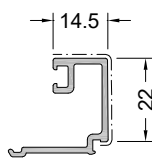
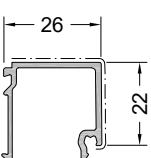
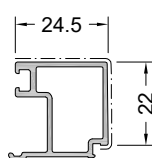
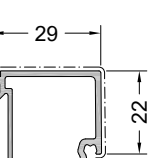
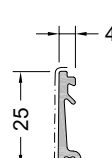
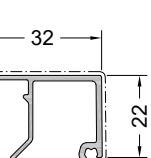
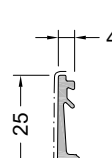
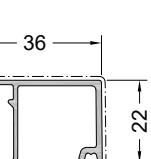
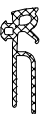




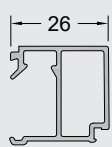
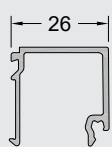
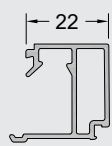
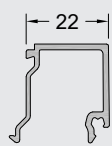
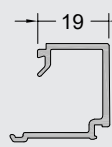
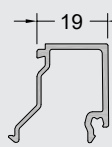
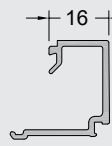
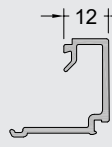
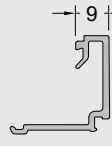
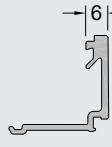
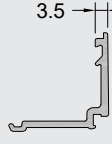
Abbildung Illustration	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		Abbildung Illustration	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)	
			umfld. total	mech. mech.				umfld. total	mech. mech.
Maßstab / Scale 1:2									
GLASLEISTEN 22 mm GLAZING BEADS 22 mm									
	P 494233	6500	110	25		P 594205	6500	148	44
	P 494200	6500	119	28		P 594206	6500	148	48
	P 494201	6500	134	31		P 594210	6500	148	51
	P 494202	6500	140	34		P 594211	6500	148	54
	P 494203	6500	148	38		P 594207	6500	154	58
	P 494204	6500	154	41					

Abbildung Illustration	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		Abbildung Illustration	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)	
			umfld. total	mech. mech.				umfld. total	mech. mech.
Maßstab / Scale 1:2					Maßstab / Scale 1:2				
GLASLEISTEN 22 mm ZUM EINKLIPSEN GLAZING BEADS 22 mm TO CLIP IN					GLASLEISTEN FÜR FESTFELDVERGLASUNG GLAZING BEADS FOR FIXED FIELD GLAZING				
	P 494300	6500	159	41		P 803710	6500	121	27
	P 494301	6500	163	44		P 803706	6500	155	37
	P 494302	6500	169	48		P 803707	6500	133	47
	P 494303	6500	183	51		P 494235	6500	85	30
	P 494304	6500	201	54		P 494238	6500	85	30
	P 494305	6500	206	58	Nur für Strukturlack! Only for structure finish!				

VERGLASUNG IM FLÜGELRAHMEN
GLAZING IN THE SASH FRAME

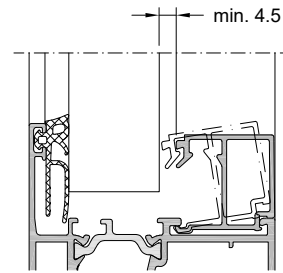
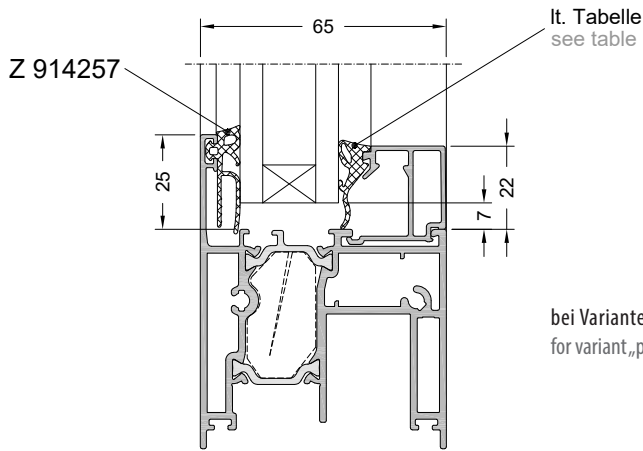
VARIANTE „ECO“ / „PLUS“
VARIANT „ECO“ / „PLUS“

Glasstärke (mm) Glass thickness (mm)	Verglasungsdichtungen, außen Glazing gaskets, external	Verglasungsdichtungen, innen Glazing gaskets, internal			Die angegebenen Glasstärken sind Nennmaße. Bei der Auswahl der Verglasungsdichtung innen sind die Glas- und Profiltoleranzen zu berücksichtigen. Eventuell ist die nächst kleinere/größere Dichtung einzuplanen. The specified glass thicknesses are nominal dimensions. When selecting the internal glazing gaskets, glass and profile tolerances must be regarded. Possibly the next smaller or bigger gasket should be included.		Lagerlänge / Stock length		
					 Alternativ als Ausgleich extremer Toleranzen einsetzbar Alternatively as compensation of extreme tolerances insertable Z 917979	Glasleisten 22 mm Glazing beads 22 mm		Glasleisten 22 mm zum Einklippen Glazing beads 22 mm to dip in	
	VE / PU = 50 m	VE / PU = 50 m							
	Spaltmaß (mm) Gap dimension (mm)	Spaltmaße (mm) Gap dimensions (mm)							
	6	4.5 – 7.0	5.5 – 8.0	6.5 – 9.5					
Art.-Nr. / Art. no.	Art.-Nr. / Art. no.								
Z 914257	Z 914262	Z 914263	Z 914264	Art.-Nr. / Art. no.	Art.-Nr. / Art. no.				
22	•		•		P 594206		P 494302		6500 mm
23		•							
24				•	P 594205		P 494301		6500 mm
25	•			•					
26			•						
27		•							
28	•			•	P 494204		P 494300		6500 mm
29			•						
30		•							
31	•			•	P 494203				6500 mm
32			•						
33		•							
34				•	P 494202				6500 mm
35	•			•					
36			•						
37		•							
38	•			•	P 494201				6500 mm
39			•						
40		•							
41	•			•	P 494200				6500 mm
42			•						
43		•							
44	•			•	P 494233				6500 mm
45		•							
46		•							

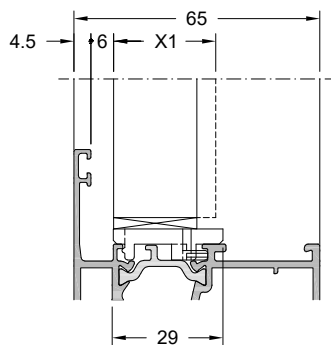
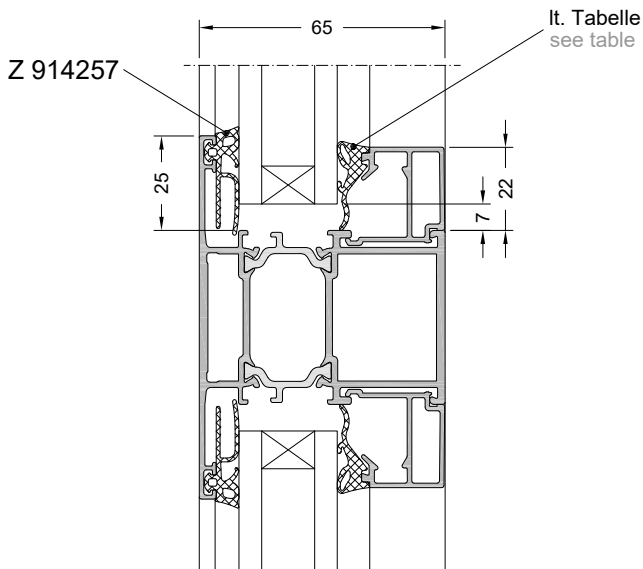
VERGLASUNG IM FLÜGELRAHMEN
GLAZING IN THE SASH FRAME

VARIANTE „ECO“ / „PLUS“
VARIANT „ECO“ / „PLUS“

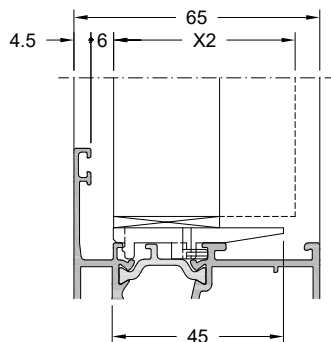
„eco“ / „plus“
„eco“ / „plus“




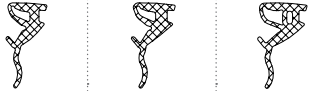

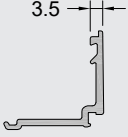
bei Variante „plus“ Dämmkern einsetzen
for variant „plus“ insert insulating core



	Füllungsdicke Filling material	Klotzbrücke Glazing bridge
X1	22 - 27 mm	Z 914358



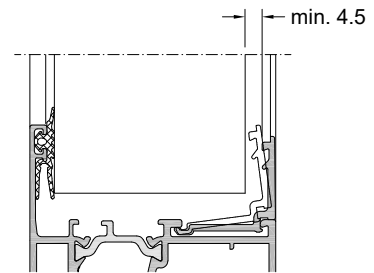
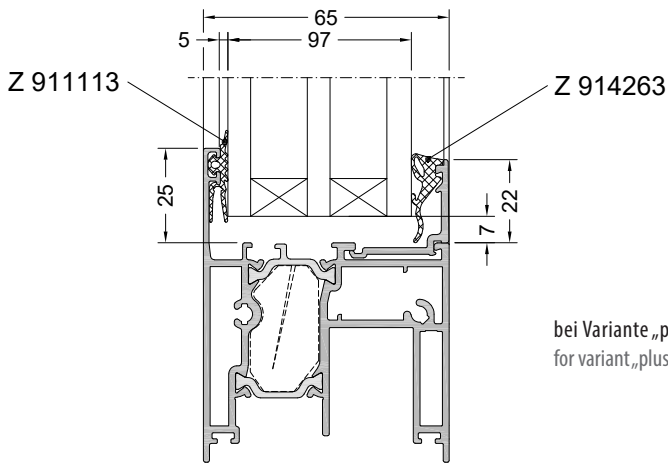
	Füllungsdicke Filling material	Klotzbrücke Glazing bridge
X2	28 - 46 mm	Z 914357

VERGLASUNG IM FLÜGELRAHMEN GLAZING IN THE SASH FRAME				VARIANTE „ECO“ / „PLUS“ VARIANT „ECO“ / „PLUS“		
Glasstärke (mm) Glass thickness (mm)	Verglasungsdichtungen, außen Glazing gaskets, external 	Verglasungsdichtungen, innen Glazing gaskets, internal 			Die angegebenen Glasstärken sind Nennmaße. Bei der Auswahl der Verglasungsdichtung innen sind die Glas- und Profiltoleranzen zu berücksichtigen. Eventuell ist die nächst kleinere/größere Dichtung einzuplanen. The specified glass thicknesses are nominal dimensions. When selecting the internal glazing gaskets, glass and profile tolerances must be regarded. Possibly the next smaller or bigger gasket should be included.	
	VE / PU = 50 m	VE / PU = 50 m			 Alternativ als Ausgleich extremer Toleranzen einsetzbar Alternatively as compensation of extreme tolerances insertable	
	Spaltmaß (mm) Gap dimension (mm)	Spaltmaße (mm) Gap dimensions (mm)			3.0 - 4.5 Z 917979	
	2	4.5 – 7.0	5.5 – 8.0	6.5 – 9.5	Glasleisten 22 mm Glazing beads 22 mm	Lagerlänge / Stock length
	Art.-Nr. / Art. no.	Art.-Nr. / Art. no.			Art.-Nr. / Art. no.	
Z 911113	Z 914262	Z 914263	Z 914264			
48	●	●		3.5  P 494233	6500 mm	

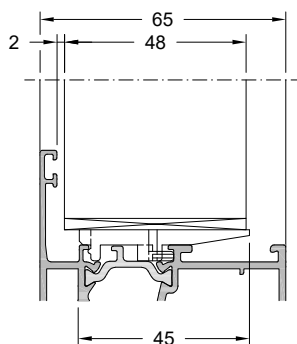
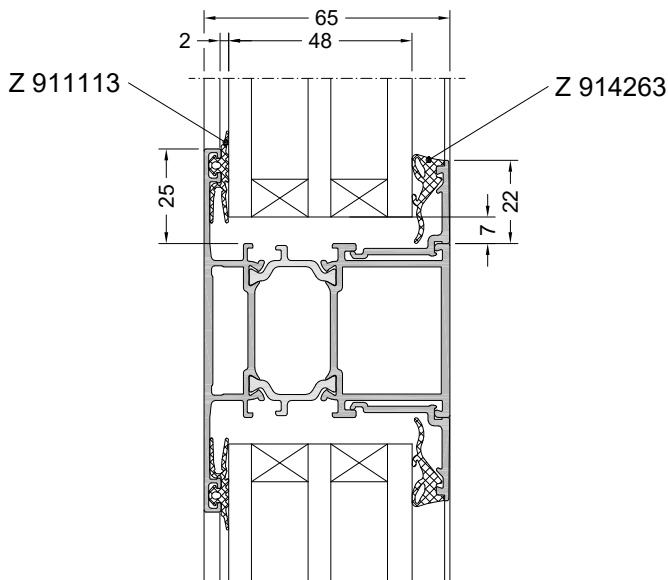
VERGLASUNG IM FLÜGELRAHMEN
 GLAZING IN THE SASH FRAME

VARIANTE „ECO“ / „PLUS“
 VARIANT „ECO“ / „PLUS“

„eco“ / „plus“
 „eco“ / „plus“





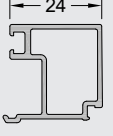

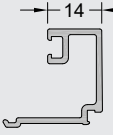

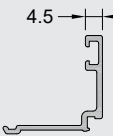
bei Variante „plus“ Dämmkern einsetzen
 for variant „plus“ insert insulating core



Füllungsdicke Filling material	Klotzbrücke Glazing bridge
48 mm	Z 914357

VERGLASUNG IM BLENDRAHMEN (MONORAIL)
GLAZING IN THE FIXED FRAME (MONORAIL)

VARIANTE „ECO“ / „PLUS“
VARIANT „ECO“ / „PLUS“

Glasstärke (mm) Glass thickness (mm)	Verglasungsdichtungen, außen Glazing gaskets, external	Verglasungsdichtungen, innen Glazing gaskets, internal					<p>Die angegebenen Glasstärken sind Nennmaße. Bei der Auswahl der Verglasungsdichtung innen sind die Glas- und Profiltoleranzen zu berücksichtigen. Eventuell ist die nächst kleinere/größere Dichtung einzuplanen.</p> <p>The specified glass thicknesses are nominal dimensions. When selecting the internal glazing gaskets, glass and profile tolerances must be regarded. Possibly the next smaller or bigger gasket should be included.</p>  <p>Alternativ als Ausgleich extremer Toleranzen einsetzbar Alternatively as compensation of extreme tolerances insertable</p> <p>3.0 - 4.5 Z 917979</p>	Glasleisten 25 mm Glazing beads 25 mm		Glasleisten 22 mm Glazing beads 22 mm	Lagerlänge / Stock length
	VE / PU = 50 m	VE / PU = 50 m						Art.-Nr. / Art. no.	Art.-Nr. / Art. no.	Art.-Nr. / Art. no.	
	Spaltmaß (mm) Gap dimension (mm)	Spaltmaße (mm) Gap dimensions (mm)									
	6	4	6	8	10	12		Art.-Nr. / Art. no.	Art.-Nr. / Art. no.	Art.-Nr. / Art. no.	
	Art.-Nr. / Art. no.	Art.-Nr. / Art. no.									
Z 914259	Z 911074	Z 911054	Z 911075	Z 911076	Z 911077	Art.-Nr. / Art. no.	Art.-Nr. / Art. no.	Art.-Nr. / Art. no.			
22	•			•			 P 494235 (P 494238*)	 P 803707	6500 mm		
24		•									
26	•										
28					•		 P 494235 (P 494238*)	 P 803706	6500 mm		
30				•							
32	•		•								
34		•									
36	•										
38					•		 P 494235 (P 494238*)	 P 803710	6500 mm		
40				•							
42	•		•								
44		•									
46	•**										

** Z 911113 Alternativ als Ausgleich extremer Toleranzen einsetzbar

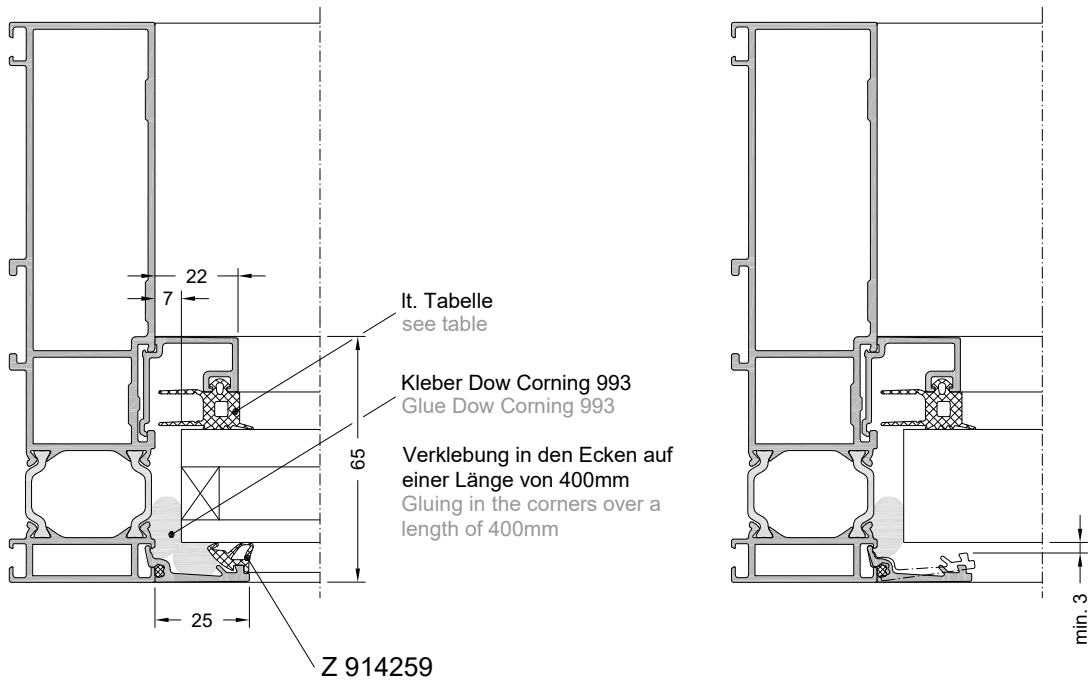
** Z 911113 Alternatively as compensation of extreme tolerances insertable

* Nur für Strukturlack!
* Only for structure finish!

VERGLASUNG IM BLENDRAHMEN (MONORAIL)
 GLAZING IN THE FIXED FRAME (MONORAIL)


VARIANTE „ECO“ / „PLUS“
 VARIANT „ECO“ / „PLUS“

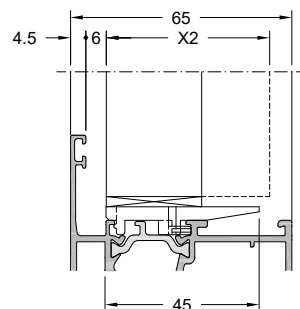
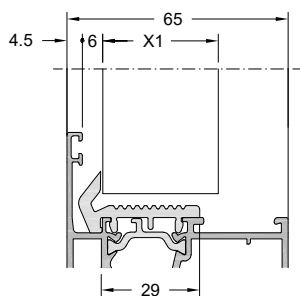
„eco“ / „plus“
 „eco“ / „plus“



VERGLASUNG IM FLÜGELRAHMEN
GLAZING IN THE SASH FRAME

VARIANTE „ECO“ / „PLUS“ RC2
VARIANT „ECO“ / „PLUS“ RC2

Glasstärke (mm) Glass thickness (mm)	Verglasungsdichtungen, außen Glazing gaskets, external	Verglasungsdichtungen, innen Glazing gaskets, internal			Die angegebenen Glasstärken sind Nennmaße. Bei der Auswahl der Verglasungsdichtung innen sind die Glas- und Profiltoleranzen zu berücksichtigen. Eventuell ist die nächst kleinere/größere Dichtung einzuplanen. The specified glass thicknesses are nominal dimensions. When selecting the internal glazing gaskets, glass and profile tolerances must be regarded. Possibly the next smaller or bigger gasket should be included.  Alternativ als Ausgleich extremer Toleranzen einsetzbar Alternatively as compensation of extreme tolerances insertable Z 917979	Glasleisten 22 mm Glazing beads 22 mm	Lagerlänge / Stock length
	VE / PU = 50 m	VE / PU = 50 m					
	Spaltmaß (mm) Gap dimension (mm)	Spaltmaße (mm) Gap dimensions (mm)					
	6	4.5 – 7.0	5.5 – 8.0	6.5 – 9.5			
	Art.-Nr. / Art. no.	Art.-Nr. / Art. no.					
	Z 914258	Z 914262	Z 914263	Z 914264	Art.-Nr. / Art. no.		
30	•	•			P 494204	6500 mm	
31	•			•	P 494203	6500 mm	
32	•	•					
33	•						
34				•	P 494202	6500 mm	
35				•			
36	•	•					
37	•	•					
38	•			•	P 494201	6500 mm	
39	•	•					
40	•	•					
41	•			•	P 494200	6500 mm	
42	•	•					
43	•	•					
44	•		•		P 494233	6500 mm	
45	•	•					
46	•	•					



	Füllungsdicke Filling material	Unterlage Base
X1	30 - 33 mm	K 910099

	Füllungsdicke Filling material	Unterlage Base	Klotzbrücke Glazing bridge
X2	34 - 46 mm	K 910099	Z 914357

HINWEIS

Verarbeitungshinweise beachten!

NOTE

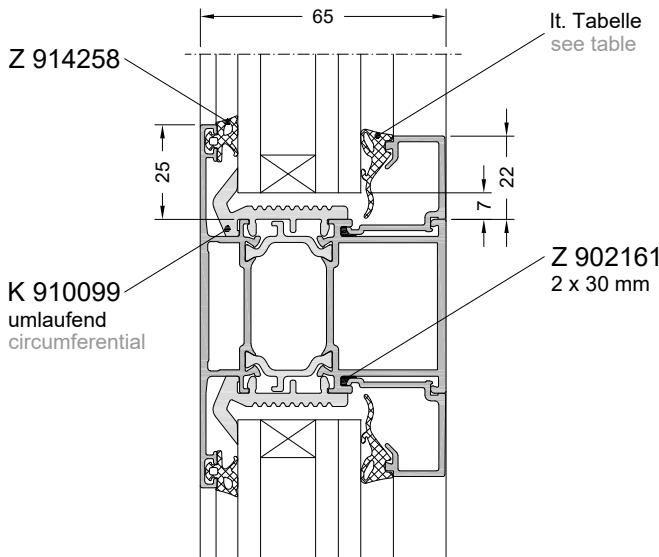
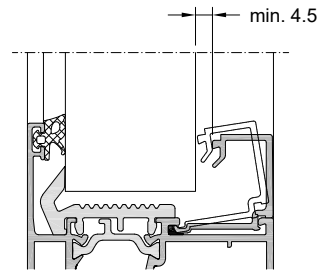
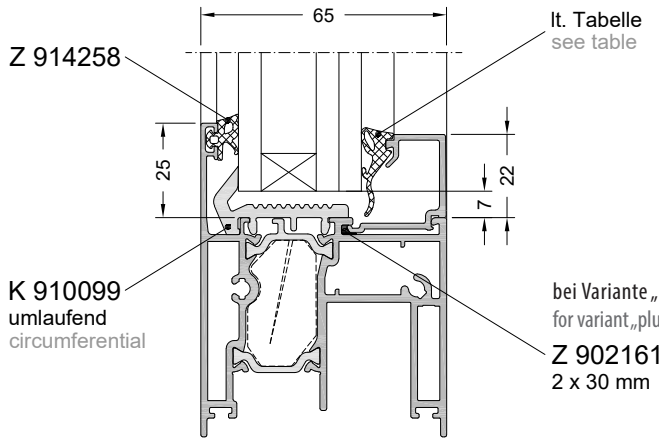
Observe processing instructions!



VERGLASUNG IM FLÜGELRAHMEN
 GLAZING IN THE SASH FRAME


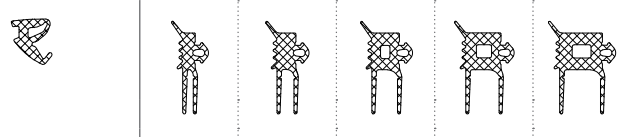
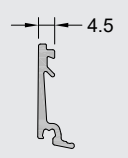
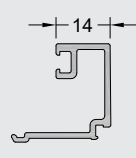
VARIANTE „ECO“ / „PLUS“ RC2
 VARIANT „ECO“ / „PLUS“ RC2

„eco“ / „plus“ • RC 2
 „eco“ / „plus“ • RC 2



VERGLASUNG IM BLENDRAHMEN (MONORAIL)
GLAZING IN THE FIXED FRAME (MONORAIL)

VARIANTE „ECO“ / „PLUS“ RC2
VARIANT „ECO“ / „PLUS“ RC2

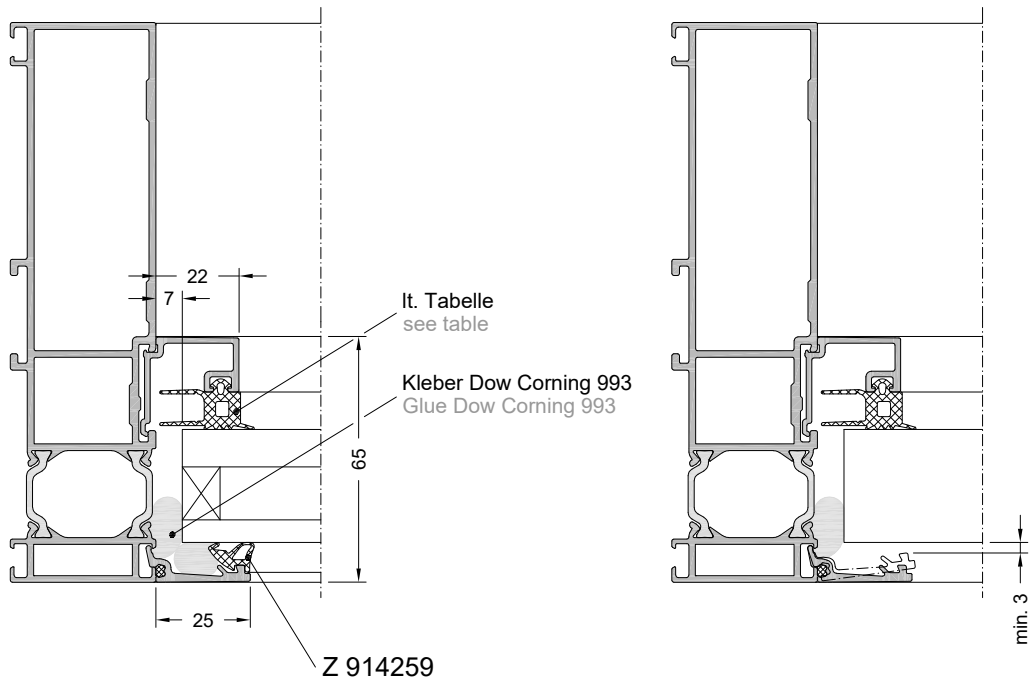
Glasstärke (mm) Glass thickness (mm)	Verglasungsdichtungen, außen Glazing gaskets, external	Verglasungsdichtungen, innen Glazing gaskets, internal					<p>Die angegebenen Glasstärken sind Nennmaße. Bei der Auswahl der Verglasungsdichtung innen sind die Glas- und Profiltoleranzen zu berücksichtigen. Eventuell ist die nächst kleinere/größere Dichtung einzuplanen.</p> <p>The specified glass thicknesses are nominal dimensions. When selecting the internal glazing gaskets, glass and profile tolerances must be regarded. Possibly the next smaller or bigger gasket should be included.</p>  <p>Alternativ als Ausgleich extremer Toleranzen einsetzbar Alternatively as compensation of extreme tolerances insertable</p> <p>3.0 - 4.5 Z 917979</p>	
								
		VE / PU = 50 m						
		Spaltmaß (mm) Gap dimension (mm)						
		6	4	6	8	10		12
	Art.-Nr. / Art. no.		Art.-Nr. / Art. no.					
	Z 914259		Z 911074	Z 911054	Z 911075	Z 911076	Z 911077	
							<p>Glasleisten 25 mm Glazing beads 25 mm</p> <p>Glasleisten 22 mm Glazing beads 22 mm</p>	
							<p>Art.-Nr. / Art. no.</p> <p>Art.-Nr. / Art. no.</p>	
							Lagerlänge / Stock length	
							6500 mm	
28							 <p>4.5</p> <p>P 494235 (P 494238*)</p>	 <p>14</p> <p>P 803706</p>
30								
32	•			•				
34			•					
36		•						

* Nur für Strukturlack!
* Only for structure finish!

VERGLASUNG IM BLENDRAHMEN (MONORAIL)
 GLAZING IN THE FIXED FRAME (MONORAIL)

VARIANTE „ECO“ / „PLUS“ RC2
 VARIANT „ECO“ / „PLUS“ RC2

„eco“ / „plus“ • RC 2
 „eco“ / „plus“ • RC 2



HEBE-SCHIEBE BESCHLAGSTÜCKLISTE FÜR B 813232 / B 813233 • BIS 250 KG
LIFTING-SLIDING FITTING PARTS LIST FOR B 813232 / B 813233 • UP TO 250 KG

Art. Nr. Art. no.	Bezeichnung Designation	Größe Dimension	VE PU	Schema A Scheme A	Schema MA Scheme MA	Schema D Scheme D	Schema MG Scheme MG	Schema C Scheme C	Schema MC Scheme MC	Schema MK Scheme MK	Schema F Scheme F	
Z 997735	Hebe-Schiebe Beschlag 250 kg Lifting-sliding fitting 250 kg		1	1 x	1 x	2 x	--	2 x	2 x	2 x	4 x	
Z 923152	Riegelbolzen Set / Locking bolt, Set		1	2 x	2 x	4 x	--	--	--	4 x	4 x	
Z 923153	Riegelbolzen Set (Spaltlüftung) Locking bolt, Set (Partial ventilation)		1	2 x	2 x	4 x	--	--	--	4 x	4 x	Optional
Z 996540	Riegelbozen Set / Locking bolt, Set		1	--	--	--	--	2 x	2 x	-	2 x	
Z 996974	Mittenverriegelung / Central lock		1	1 x	1 x	1 x	--	2 x	2 x	2 x	2 x	
Z 997728	Mittenverriegelung Schema D + F Central lock Scheme D + F		1	--	--	1 x	--	--	--	--	2 x	
Z 997261	Schließstück für hohe Windlast Locking point for high wind loads		1									Optional
Z 917501	Getriebe mit PZ Lochung Gear with profile cylinder punch hole	Flügelhöhe / Sash height (1801 - 2100 mm)	1									
Z 917502		Flügelhöhe / Sash height (2101 - 2400 mm)	1	1 x	1 x	2 x	--	2 x	2 x	2 x	4 x	
Z 917503		Flügelhöhe / Sash height (2401 - 2700 mm)	1									
Z 917512	Getriebe mit RZ Lochung Gear with round cylinder punch hole (Keine Lagerware!) (No stock item!)	Flügelhöhe / Sash height (1801 - 2100 mm)	1									
Z 917513		Flügelhöhe / Sash height (2101 - 2400 mm)	1	1 x	1 x	2 x	--	2 x	2 x	2 x	4 x	Optional
Z 917514		Flügelhöhe / Sash height (2401 - 2700 mm)	1									
Z 917508	Verbindungsstange Connection rod	Flügelbreite / Sash width (650 - 1360 mm)	1									
Z 917509		Flügelbreite / Sash width (1361 - 1860 mm)	1									
Z 917510		Flügelbreite / Sash width (1861 - 2360 mm)	1	1 x	1 x	2 x	--	2 x	2 x	2 x	4 x	
Z 917511		Flügelbreite / Sash width (2361 - 3070 mm)	1									
Z 996281 02/64	Anschlagpuffer / Sash buffer		1	2 x	2 x	4 x	--	4 x	4 x	4 x	4 x	Optional
Z 917519	Riegelbock Schema C + F Bolt support Scheme C + F		1	--	--	--	--	1 x	1 x	--	1 x	
Z 917725	Flügelführung / Sash guide	Flügelbreite / Sash width (> 1800 mm)	1	1 x	1 x	2 x	--	2 x	2 x	2 x	4 x	
--	Griffauswahl / Handle selection		1	1 x	1 x	2 x	--	2 x	2 x	2 x	4 x	

HEBE-SCHIEBE BESCHLAGSTÜCKLISTE FÜR B 813234 / B 813235 • BIS 330 KG
LIFTING-SLIDING FITTING PARTS LIST FOR B 813234 / B 813235 • UP TO 330 KG

Art. Nr. Art. no.	Bezeichnung Designation	Größe Dimension	VE PU	Schema A Scheme A	Schema MA Scheme MA	Schema D Scheme D	Schema MG Scheme MG	Schema C Scheme C	Schema MC Scheme MC	Schema MK Scheme MK	Schema F Scheme F	
Z 997708	Hebe-Schiebe Beschlag 330 kg Lifting-sliding fitting 330 kg		1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	
Z 923152	Riegelbolzen Set / Locking bolt, Set		1	2 x	2 x	4 x	2 x	--	--	4 x	4 x	
		Flügelhöhe / Sash height (> 2700 mm)	1	1 x	1 x	2 x	1 x	--	--	2 x	2 x	
Z 923153	Riegelbolzen Set (Spaltlüftung) Locking bolt, Set (Partial ventilation)		1	2 x	2 x	4 x	2 x			4 x	4 x	Optional
		Flügelhöhe / Sash height (> 2700 mm)	1	1 x	1 x	2 x	1 x	--	--	2 x	2 x	Optional
Z 996540	Riegelbozen Set / Locking bolt, Set		1	--	--	--	--	2 x	2 x	--	2 x	
		Flügelhöhe / Sash height (> 2700 mm)	1	--	--	--	--	1 x	1 x	--	1 x	
Z 996974	Mittenverriegelung / Central lock		1	1 x	1 x	1 x	1 x	2 x	2 x	2 x	2 x	
Z 997728	Mittenverriegelung Schema D + F Central lock Scheme D + F		1	--	--	1 x	--	--	--	--	2 x	
Z 997261	Schließstück für hohe Windlast Locking point for high wind loads		1									Optional
Z 917504	Getriebe mit PZ Lochung Gear with profile cylinder punch hole	Flügelhöhe / Sash height (1801 - 2100 mm)	1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	
Z 917505		Flügelhöhe / Sash height (2101 - 2400 mm)	1									
Z 917506		Flügelhöhe / Sash height (2401 - 2700 mm)	1									
Z 917505 Z 917520		Flügelhöhe / Sash height (2701 - 3000 mm)	1									
Z 917515	Getriebe mit RZ Lochung Gear with round cylinder punch hole (Keine Lagerware!) (No stock item!)	Flügelhöhe / Sash height (1801 - 2100 mm)	1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	Optional
Z 917516		Flügelhöhe / Sash height (2101 - 2400 mm)	1									
Z 917517		Flügelhöhe / Sash height (2401 - 2700 mm)	1									
Z 917516 Z 917520		Flügelhöhe / Sash height (2701 - 3000 mm)	1									
Z 917508	Verbindungsstange Connection rod	Flügelbreite / Sash width (720 - 1500 mm)	1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	
Z 917509		Flügelbreite / Sash width (1501 - 2000 mm)	1									
Z 917510		Flügelbreite / Sash width (2001 - 2500 mm)	1									
Z 917511		Flügelbreite / Sash width (2501 - 3235 mm)	1									
Z 996281 02/64	Anschlagpuffer / Sash buffer		1	2 x	2 x	4 x	2 x	4 x	4 x	4 x	4 x	Optional
Z 917519	Riegelbock Schema C + F Bolt support Scheme C + F		1	--	--	--	--	1 x	1 x	--	1 x	
Z 917726	Flügelführung / Sash guide	Flügelbreite / Sash width (> 1800 mm)	1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	
Z 997700	Getriebedämpfer / Gear damper		1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	Optional
Z 996788	Anschlagdämpfer / Friction control		1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	Optional
--	Griffauswahl / Handle selection		1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	

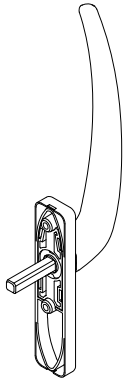
HEBE-SCHIEBE BESCHLAGSTÜCKLISTE FÜR B 813234 / B 813235 • BIS 440 KG
LIFTING-SLIDING FITTING PARTS LIST FOR B 813234 / B 813235 • UP TO 440 KG

Art. Nr. Art. no.	Bezeichnung Designation	Größe Dimension	VE PU	Schema A Scheme A	Schema MA Scheme MA	Schema D Scheme D	Schema MG Scheme MG	Schema C Scheme C	Schema MC Scheme MC	Schema MK Scheme MK	Schema F Scheme F	
Z 997708	Hebe-Schiebe Beschlag 330 kg Lifting-sliding fitting 330 kg		1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	
Z 997709	Beschlagzubehör 440 kg Fitting accessories 440 kg		1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	
Z 923152	Riegelbolzen Set / Locking bolt, Set		1	2 x	2 x	4 x	2 x	--	--	4 x	4 x	
		Flügelhöhe / Sash height (> 2700 mm)	1	1 x	1 x	2 x	1 x	--	--	2 x	2 x	
Z 923153	Riegelbolzen Set (Spaltlüftung) Locking bolt, Set (Partial ventilation)		1	2 x	2 x	4 x	2 x			4 x	4 x	Optional
		Flügelhöhe / Sash height (> 2700 mm)	1	1 x	1 x	2 x	1 x	--	--	2 x	2 x	Optional
Z 996540	Riegelbozen Set / Locking bolt, Set		1	--	--	--	--	2 x	2 x	--	2 x	
		Flügelhöhe / Sash height (> 2700 mm)	1	--	--	--	--	1 x	1 x	--	1 x	
Z 996974	Mittenverriegelung / Central lock		1	1 x	1 x	1 x	1 x	2 x	2 x	2 x	2 x	
Z 997728	Mittenverriegelung Schema D + F Central lock Scheme D + F		1	--	--	1 x	--	--	--	--	2 x	
Z 997261	Schließstück für hohe Windlast Locking point for high wind loads		1									Optional
Z 917504	Getriebe mit PZ Lochung Gear with profile cylinder punch hole	Flügelhöhe / Sash height (1801 - 2100 mm)	1									
Z 917505		Flügelhöhe / Sash height (2101 - 2400 mm)	1									
Z 917506		Flügelhöhe / Sash height (2401 - 2700 mm)	1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	
Z 917505 Z 917520		Getriebeverlängerung / Gear extension Flügelhöhe / Sash height (2701 - 3000 mm)	1									
Z 917515	Getriebe mit RZ Lochung Gear with round cylinder punch hole (Keine Lagerware!) (No stock item!)	Flügelhöhe / Sash height (1801 - 2100 mm)	1									
Z 917516		Flügelhöhe / Sash height (2101 - 2400 mm)	1									
Z 917517		Flügelhöhe / Sash height (2401 - 2700 mm)	1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	Optional
Z 917516 Z 917520		Getriebeverlängerung / Gear extension Flügelhöhe / Sash height (2701 - 3000 mm)	1									
Z 917508	Verbindungsstange Connection rod	Flügelbreite / Sash width (1310 - 1990 mm)	1									
Z 917509		Flügelbreite / Sash width (1991 - 2490 mm)	1									
Z 917510		Flügelbreite / Sash width (2491 - 2990 mm)	1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	
Z 917511		Flügelbreite / Sash width (2991 - 3235 mm)	1									
Z 996281 02/64	Anschlagpuffer / Sash buffer		1	2 x	2 x	4 x	2 x	4 x	4 x	4 x	4 x	Optional
Z 917519	Riegelbock Schema C + F Bolt support Scheme C + F		1	--	--	--	--	1 x	1 x	--	1 x	
Z 917726	Flügelführung / Sash guide	Flügelbreite / Sash width (> 1800 mm)	1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	
Z 997700	Getriebedämpfer / Gear damper		1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	Optional
Z 996788	Anschlagdämpfer / Friction control		1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	Optional
--	Griffauswahl / Handle selection		1	1 x	1 x	2 x	1 x	2 x	2 x	2 x	4 x	

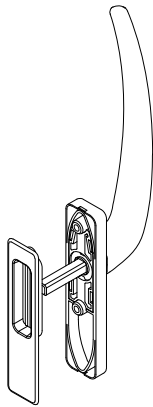
HEBE-SCHIEBE BESCHLAGSTÜCKLISTE FÜR B 813234 / B 813235 • BIS 330 KG / 440 KG • RC 2
LIFTING-SLIDING FITTING PARTS LIST FOR B 813234 / B 813235 • UP TO 330 / 440 KG • RC 2

Art. Nr. Art. no.	Bezeichnung Designation	Größe Dimension	VE PU	Schema A Scheme A	Schema MA Scheme MA	Schema D Scheme D	Schema MG Scheme MG	Schema C Scheme C	Schema MC Scheme MC	Schema MK Scheme MK	Schema F Scheme F	
Z 997708	Hebe-Schiebe Beschlag 330 kg Lifting-sliding fitting 330 kg		1	1 x	1 x	--	--	--	--	2 x	--	
Z 997709	Beschlagzubehör 440 kg Fitting accessories 440 kg		1	1 x	1 x	--	--	--	--	2 x	--	
Z 923152	Riegelbolzen Set / Locking bolt, Set		1	4 x	4 x	--	--	--	--	8 x	--	
		Flügelhöhe / Sash height (> 2700 mm)	1	1 x	1 x	--	--	--	--	2 x	--	
Z 923153	Riegelbolzen Set (Spaltlüftung) Locking bolt, Set (Partial ventilation)		1	4 x	4 x	--	--	--	--	8 x	--	Optional
		Flügelhöhe / Sash height (> 2700 mm)	1	1 x	1 x	--	--	--	--	2 x	--	Optional
Z 996974	Mittенverriegelung / Central lock		1	1 x	1 x	--	--	--	--	2 x	--	
Z 997261	Schließstück für hohe Windlast Locking point for high wind loads		1									Optional
Z 917504	Getriebe mit PZ Lochung Gear with profile cylinder punch hole	Flügelhöhe / Sash height (1801 - 2100 mm)	1	1 x	1 x	--	--	--	--	2 x	--	
Z 917505		Flügelhöhe / Sash height (2101 - 2400 mm)	1									
Z 917506		Flügelhöhe / Sash height (2401 - 2700 mm)	1									
Z 917505		Flügelhöhe / Sash height (2701 - 3000 mm)	1									
Z 917520			Getriebeverlängerung / Gear extension									
Z 917515	Getriebe mit RZ Lochung Gear with round cylinder punch hole	Flügelhöhe / Sash height (1801 - 2100 mm)	1	1 x	1 x	--	--	--	--	2 x	--	Optional
Z 917516		Flügelhöhe / Sash height (2101 - 2400 mm)	1									
Z 917517		(Keine Lagerware!) (No stock item!)	1									
Z 917516		Flügelhöhe / Sash height (2701 - 3000 mm)	1									
Z 917520			Getriebeverlängerung / Gear extension									
Z 917508	Verbindungsstange Connection rod	Flügelbreite / Sash width (720 - 1500 mm)	1	1 x	1 x	--	--	--	--	2 x	--	
Z 917509		Flügelbreite / Sash width (1501 - 2000 mm)	1									
Z 917510		Flügelbreite / Sash width (2001 - 2500 mm)	1									
Z 917511		Flügelbreite / Sash width (2501 - 3235 mm)	1									
Z 917508	Verbindungsstange Connection rod	Flügelbreite / Sash width (1310 - 1990 mm)	1	1 x	1 x	--	--	--	--	2 x	--	Optional 440 kg
Z 917509		Flügelbreite / Sash width (1991 - 2490 mm)	1									
Z 917510		Flügelbreite / Sash width (2491 - 2990 mm)	1									
Z 917511		Flügelbreite / Sash width (2991 - 3235 mm)	1									
Z 996281 02/64	Anschlagpuffer / Sash buffer		1	2 x	2 x	--	--	--	--	4 x	--	Optional
Z 917726	Flügelführung / Sash guide	Flügelbreite / Sash width (> 1800 mm)	1	1 x	1 x	--	--	--	--	2 x	--	
Z 997700	Getriebedämpfer / Gear damper		1	1 x	1 x	--	--	--	--	2 x	--	Optional
--	Griffauswahl / Handle selection		1	1 x	1 x	--	--	--	--	2 x	--	

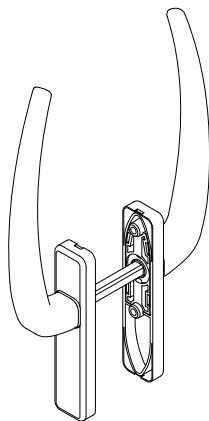
GRIFFGARNITUREN
HANDLE SETS



GRIFF			HANDLE	
Z 997711 02	VE = 1 Set	Silber beschichtet	PU = 1 set	Silver colour coated
Z 997711 64	VE = 1 Set	Weiß RAL 9016	PU = 1 set	White RAL 9016
Griff innen Inkl. Vierkant und Befestigungsmaterial			Handle inside Incl. square pin and fixing material	
Schild-Höhe 160 mm, Breite 34 mm, Stärke 14 mm Grifflänge 244 mm Abstand Griffaussenkante zum Schild 74 mm			Shield height 160 mm, width 34 mm, thickness 14 mm Handle length 244 mm Distance handle outer edge to shield 74 mm	

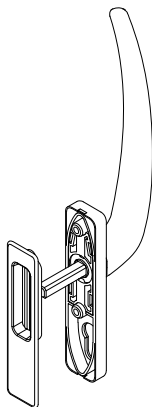


GRIFFGARNITUR MIT GRIFFMUSCHEL			HANDLE SET WITH HANDLE RECESS	
Z 917554 02	VE = 1 Set	Silber beschichtet	PU = 1 set	Silver colour coated
Z 917554 64	VE = 1 Set	Weiß RAL 9016	PU = 1 set	White RAL 9016
Griff innen und Griffmuschel außen Inkl. Vierkant und Befestigungsmaterial			Handle inside and handle recess outside Incl. square pin and fixing material	
Schild-Höhe 160 mm, Breite 34 mm, Stärke 14 mm Grifflänge 244 mm Griffmuschel-Höhe 150 mm, Breite 34 mm, Stärke 2 mm Abstand Griffaussenkante zum Schild 74 mm			Shield height 160 mm, width 34 mm, thickness 14 mm Handle length 244 mm Handle recess height 150 mm, width 34 mm, thickness 2 mm Distance handle outer edge to shield 74 mm	



GRIFFGARNITUR STANDFLÜGEL			HANDLE SET INACTIVE SASH	
Z 918939 02	VE = 1 Set	Silber beschichtet	PU = 1 set	Silver colour coated
Z 918939 64	VE = 1 Set	Weiß RAL 9016	PU = 1 set	White RAL 9016
Griff innen und außen für Standflügel Inkl. Vierkant und Befestigungsmaterial			Handle inside and outside for inactive sash Incl. square pin and fixing material	
Schild-Höhe 160 mm, Breite 34 mm, Stärke 14 mm Grifflänge 244 mm Abstand Griffaussenkante zum Schild 74 mm			Shield height 160 mm, width 34 mm, thickness 14 mm Handle length 244 mm Distance handle outer edge to shield 74 mm	

GRIFFGARNITUREN
HANDLE SETS



GRIFFGARNITUR MIT GRIFFMUSCHEL (PZ)

Z 917555 02	VE = 1 Set	Silber beschichtet
Z 917555 64	VE = 1 Set	Weiß RAL 9016

Griff innen für Profilzylinder (/35)
und Griffmuschel außen
Inkl. Vierkant und Befestigungsmaterial

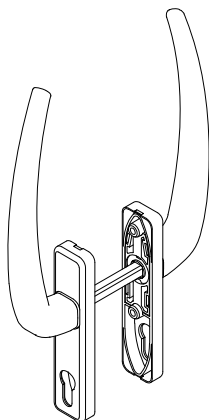
Schild-Höhe 160 mm, Breite 34 mm, Stärke 14 mm
Grifflänge 244 mm
Griffmuschel-Höhe 150 mm, Breite 34 mm,
Stärke 2 mm
Abstand Griffaussenkante zum Schild 74 mm

HANDLE SET WITH HANDLE RECESS (PC)

PU = 1 set	Silver colour coated
PU = 1 set	White RAL 9016

Handle inside and handle recess outside
for profile cylinder (/35)
Incl. square pin and fixing material

Shield height 160 mm, width 34 mm, thickness 14 mm
Handle length 244 mm
Handle recess height 150 mm, width 34 mm,
thickness 2 mm
Distance handle outer edge to shield 74 mm



GRIFFGARNITUR PROFILZYLINDER (PZ)

Z 917556 02	VE = 1 Set	Silber beschichtet
Z 917556 64	VE = 1 Set	Weiß RAL 9016

Griff innen und außen für Profilzylinder (60/35)
Inkl. Vierkant und Befestigungsmaterial

Schild-Höhe 160 mm, Breite 34 mm, Stärke 14 mm
Grifflänge 244 mm
Abstand Griffaussenkante zum Schild 74 mm

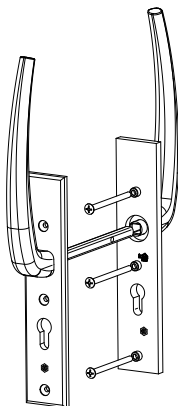
HANDLE SET PROFILE CYLINDER (PC)

PU = 1 set	Silver colour coated
PU = 1 set	White RAL 9016

Handle inside and outside for profile cylinder (60/35)
Incl. square pin and fixing material

Shield height 160 mm, width 34 mm, thickness 14 mm
Handle length 244 mm
Distance handle outer edge to shield 74 mm

RC 2 • RC 2



GRIFFGARNITUR PROFILZYLINDER (PZ)

Z 917075 02	VE = 1 Set	Silber beschichtet
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Griff innen und außen für Profilzylinder (60/35)
Inkl. Vierkant und Befestigungsmaterial

Schild-Höhe 250 mm, Breite 50 mm,
Stärke 8 mm / 12 mm
Grifflänge 244 mm
Abstand Griffaussenkante zum Schild 59,5 mm

Sichtbare Verschraubung

HANDLE SET PROFILE CYLINDER (PC)

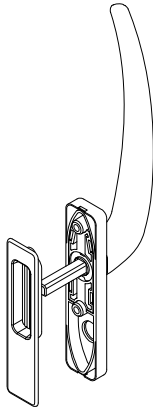
PU = 1 set	Silver colour coated
------------	----------------------

Handle inside and outside for profile cylinder (60/35)
Incl. square pin and fixing material

Shield height 250 mm, width 50 mm,
thickness 8 mm / 12 mm
Handle length 244 mm
Distance handle outer edge to shield 59,5 mm

Visible screw connection

GRIFFGARNITUREN
HANDLE SETS



GRIFFGARNITUR (RZ) MIT GRIFFMUSCHEL

Z 917558 02	VE = 1 Set	Silber beschichtet
Z 917558 64	VE = 1 Set	Weiß RAL 9016

Griff innen für Schweizer Rundzylinder (/35)
und Griffmuschel außen
Inkl. Vierkant und Befestigungsmaterial

Schild-Höhe 160 mm, Breite 34 mm, Stärke 14 mm
Grifflänge 244 mm
Griffmuschel-Höhe 150 mm, Breite 34 mm,
Stärke 2 mm
Abstand Griffaussenkante zum Schild 74 mm

Keine Lagerware!

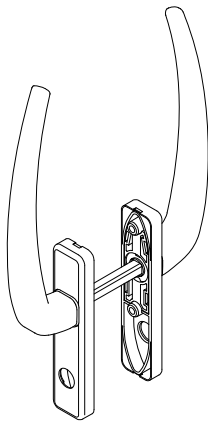
HANDLE SET (RC) WITH HANDLE RECESS

PU = 1 set	Silver colour coated
PU = 1 set	White RAL 9016

Handle inside for Swiss round cylinder (/35)
and handle recess outside
Incl. square pin and fixing material

Shield height 160 mm, width 34 mm, thickness 14 mm
Handle length 244 mm
Handle recess height 150 mm, width 34 mm,
thickness 2 mm
Distance handle outer edge to shield 74 mm

No stock item!



GRIFFGARNITUR RUNDZYLINDER (RZ)

Z 917557 02	VE = 1 Set	Silber beschichtet
Z 917557 64	VE = 1 Set	Weiß RAL 9016

Griff innen und außen für Schweizer Rundzylinder
(60/35)
Inkl. Vierkant und Befestigungsmaterial

Schild-Höhe 160 mm, Breite 34 mm, Stärke 14 mm
Grifflänge 244 mm
Abstand Griffaussenkante zum Schild 74 mm

Keine Lagerware!

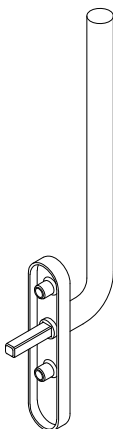
HANDLE SET ROUND CYLINDER (RC)

PU = 1 set	Silver colour coated
PU = 1 set	White RAL 9016

Handle inside and outside for Swiss round cylinder
(60/35)
Incl. square pin and fixing material

Shield height 160 mm, width 34 mm, thickness 14 mm
Handle length 244 mm
Distance handle outer edge to shield 74 mm

No stock item!



GRIFF

Z 997710 31	VE = 1 Set	Edelstahl
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Griff innen
mit verdeckter Verschraubung
Inkl. Vierkant und Befestigungsmaterial

Schild-Höhe 160 mm, Breite 34 mm, Stärke 14 mm
Grifflänge 290 mm, Ø 21 mm
Abstand Griffaussenkante zum Schild 82 mm

HANDLE

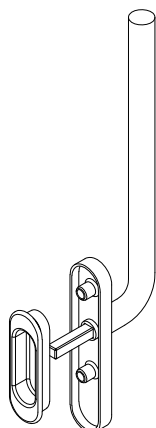
PU = 1 set	Stainless steel
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Handle inside
with concealed screwing
Incl. square pin and fixing material

Shield height 160 mm, width 34 mm, thickness 14 mm
Handle length 290 mm, Ø 21 mm
Distance handle outer edge to shield 82 mm

GRIFFGARNITUREN
HANDLE SETS

GRIFFGARNITUR MIT GRIFFMUSCHEL			HANDLE SET WITH HANDLE RECESS	
Z 917559 31	VE = 1 Set	Edelstahl	PU = 1 set	Stainless steel



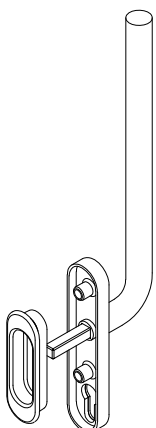
Griff innen und Griffmuschel außen
Inkl. Vierkant und Befestigungsmaterial

Handle inside and handle recess outside
Incl. square pin and fixing material

Schild-Höhe 160 mm, Breite 34 mm, Stärke 14 mm
Grifflänge 290 mm, Ø 21 mm
Griffmuschel-Höhe 105 mm, Breite 35 mm,
Stärke 3 mm
Abstand Griffaussenkante zum Schild 82 mm

Shield height 160 mm, width 34 mm, thickness 14 mm
Handle length 290 mm, Ø 21 mm
Handle recess height 105 mm, width 35 mm,
thickness 3 mm
Distance handle outer edge to shield 82 mm

GRIFFGARNITUR (PZ) MIT GRIFFMUSCHEL			HANDLE SET (PC) WITH HANDLE RECESS	
Z 917560 31	VE = 1 Set	Edelstahl	PU = 1 set	Stainless steel



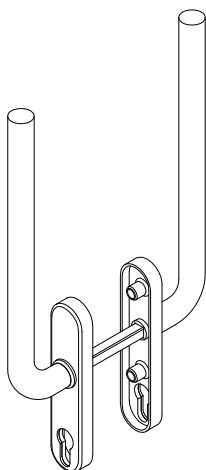
Griff innen für Profilzylinder (/35)
und Griffmuschel außen
Inkl. Vierkant und Befestigungsmaterial

Handle inside for profile cylinder (/35)
and handle recess outside
Incl. square pin and fixing material

Schild-Höhe 160 mm, Breite 34 mm, Stärke 14 mm
Grifflänge 290 mm, Ø 21 mm
Griffmuschel-Höhe 105 mm, Breite 35 mm,
Stärke 3 mm
Abstand Griffaussenkante zum Schild 82 mm

Shield height 160 mm, width 34 mm, thickness 14 mm
Handle length 290 mm, Ø 21 mm
Handle recess height 105 mm, width 35 mm,
thickness 3 mm
Distance handle outer edge to shield 82 mm

GRIFFGARNITUR (PZ)			HANDLE SET (PC)	
Z 917561 31	VE = 1 Set	Edelstahl	PU = 1 set	Stainless steel



Griff innen und außen für Profilzylinder (60/35)
Inkl. Vierkant und Befestigungsmaterial

Handle inside and outside for profile cylinder (60/35)
Incl. square pin and fixing material

Schild-Höhe 160 mm, Breite 34 mm, Stärke 14 mm
Grifflänge 290 mm, Ø 21 mm
Abstand Griffaussenkante zum Schild 82 mm

Shield height 160 mm, width 34 mm, thickness 14 mm
Handle length 290 mm, Ø 21 mm
Distance handle outer edge to shield 82 mm

AUFBOHRSCHUTZ • DÄMPFER • VERSCHLUSSÜBERWACHUNG • HALBZYLINDER • PROFILZYLINDER
ANTI-DRILLING PLATE • DAMPER • LOCKING MONITORING • HALF CYLINDER • PROFILE CYLINDER

AUFBOHRSCHUTZ GETRIEBE

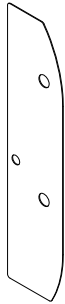
Z 917828 VE = 1 Stück Edelstahl

Zu verwenden bei RC 2
in Verbindung mit Griffmuschel außen
Z 917560 und Z 917558

ANTI-DRILLING PLATE ESPAG

PU = 1 piece Stainless steel

To use with RC 2
in combination with handle recess outside
Z 917560 and Z 917558



DÄMPFER

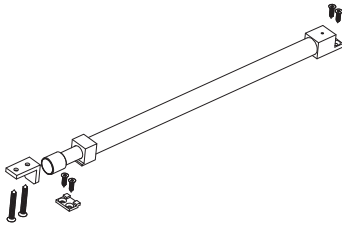
Z 996788 VE = 1 Stück

Anschlagdämpfer
Inkl. Befestigungsmaterial
Optional ab einem Flügelgewicht ≥ 200 kg,
Passend für das Flügelprofil B 81323X

DAMPER

PU = 1 piece

Friction control
Incl. fixing material,
Optionally to use at a sash weight ≥ 200 kg,
Suitable for the sash profile B 81323X

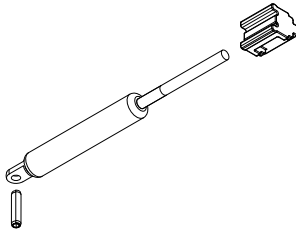


Z 997700 VE = 1 Stück

Getriebedämpfer
Inkl. Befestigungsmaterial
Passend für das Flügelprofil B 81323X

PU = 1 piece

Gear damper
Incl. fixing material,
Suitable for the sash profile B 81323X

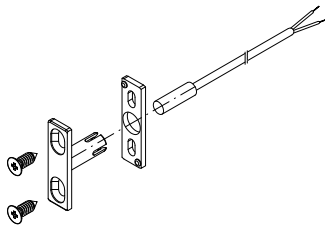


VERSCHLUSSÜBERWACHUNG

Z 997458 VE = 1 Stück Kontaktelement HS, 6 m Kabel

LOCKING MONITORING

PU = 1 piece Contact element HS, 6 m cable



HALBZYLINDER (VERKÜRZT)

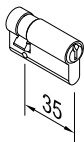
Z 918287 VE = 1 Stück

Für Griffe Z 997711 / Z 917560
Matt vernickelt, mit 3 Schlüsseln
(verkürzte Form, um Kollision mit
Griff zu verhindern).
Auch für RC 2 geeignet

HALF CYLINDER (SHORTENED DESIGN)

PU = 1 piece

For handles Z 997711 / Z 917560
Nickel plated, with 3 keys
(shortened design to avoid collision with handle).
Also suitable for RC 2



PROFILZYLINDER

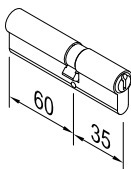
Z 918288 VE = 1 Stück

Für Griffe Z 917556 / Z 917561
Matt vernickelt, mit 3 Schlüsseln
(verkürzte Form, um Kollision mit
Griff zu verhindern)
Nicht für RC 2

PROFILE CYLINDER

PU = 1 piece

Fr handles Z 917556 / Z 917561
Nickel plated, with 3 keys
(shortened design to avoid collision with handle)
Not for RC 2



VERGLASUNGSDICHTUNGEN
GLAZING GASKETS

VERGLASUNGSDICHTUNG, AUSSEN+INNEN	GLAZING GASKET, EXTERNAL + INTERNAL
-----------------------------------	-------------------------------------

Z 911113 25 VE = 50 m

PU = 50 m



für 2 mm Spaltmaß
EPDM, schwarz
Oberfläche: Gleitpolymer

for 2 mm gap dimension
EPDM, black
Surface: gliding polymer

Z 914262 25 VE = 50 m

PU = 50 m



für 4,5 - 6,5 mm Spaltmaß
EPDM, schwarz
Oberfläche: Gleitpolymer

for 4.5 - 6.5 mm gap dimension
EPDM, black
Surface: gliding polymer

Z 917979 25 VE = 50 m

PU = 50 m



für 3 - 4,5 mm Spaltmaß
EPDM, schwarz
Oberfläche: Gleitpolymer

for 3 - 4.5 mm gap dimension
EPDM, black
Surface: gliding polymer

VERGLASUNGSDICHTUNG, AUSSEN

GLAZING GASKET, EXTERNAL

Z 914257 25 VE = 50 m

PU = 50 m



für 6 mm Spaltmaß
EPDM, schwarz
Oberfläche: Gleitpolymer
Auch als Meterware umlaufend einsetzbar!

for 6 mm gap dimension
EPDM, black
Surface: gliding polymer
Usable also continuously as metre-length material!

Z 914258 25 VE = 50 m

PU = 50 m



für 6 mm Spaltmaß
EPDM, schwarz
Oberfläche: Gleitpolymer

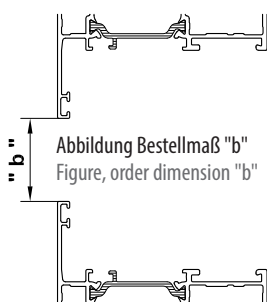
for 6 mm gap dimension
EPDM, black
Surface: gliding polymer

DICHTUNGSRAHMEN

GASKET FRAME

Z 914247 22 VE = 1









PU = 1







Zulage für das Vulkanisieren eines Rahmens aus Profil **Z 914257 21**
EPDM, Oberfläche: Silikonisiert
Bei Bestellung bitte Rahmenmaß "b" angeben!
siehe Abb.
(Bitte Lieferzeit beachten!)

Surcharge for vulcanizing a frame made of profile **Z 914257 21**
EPDM, surface: siliconized
Please indicate frame dimension "b" when placing your order! See figure
(Please note the delivery time!)

VERGLASUNGSDICHTUNGEN
GLAZING GASKETS

	VERGLASUNGSDICHTUNG, INNEN	GLAZING GASKET, INTERNAL
	Z 917704 25 VE = 50 m für 3 - 4,5 mm Spaltmaß EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 3 - 4.5 mm gap dimension EPDM, black Surface: gliding polymer
	Z 914259 25 VE = 50 m für 4,5 - 7 mm Spaltmaß EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 4.5 - 7 mm gap dimension EPDM, black Surface: gliding polymer
	Z 914260 25 VE = 50 m für 5,5 - 8 mm Spaltmaß EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 5.5 - 8 mm gap dimension EPDM, black Surface: gliding polymer
	Z 914261 25 VE = 50 m für 6,5 - 9,5 mm Spaltmaß EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 6.5 - 9.5 mm gap dimension EPDM, black Surface: gliding polymer
	Z 914263 25 VE = 50 m für 5,5 - 7,5 mm Spaltmaß EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 5.5 - 7.5 mm gap dimension EPDM, black Surface: gliding polymer
	Z 914264 25 VE = 50 m für 6,5 - 9,5 mm Spaltmaß EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 6.5 - 9.5 mm gap dimension EPDM, black Surface: gliding polymer
	Z 911074 25 VE = 50 m für 4 mm Spaltmaß EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 4 mm gap dimension EPDM, black Surface: gliding polymer
	Z 911054 25 VE = 50 m für 6 mm Spaltmaß EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 6 mm gap dimension EPDM, black Surface: gliding polymer

VERGLASUNGSDICHTUNGEN • ANSCHLAGDICHTUNG • BÜRSTENDICHTUNG
 GLAZING GASKETS • REBATE GASKET • WOVEN PILE WEATHER STRIP

VERGLASUNGSDICHTUNG, INNEN		GLAZING GASKET, INTERNAL	
	Z 911075 25	VE = 50 m	PU = 50 m
		für 8 mm Spaltmaß EPDM, schwarz Oberfläche: Gleitpolymer	for 8 mm gap dimension EPDM, black Surface: gliding polymer
	Z 911076 25	VE = 50 m	PU = 50 m
		für 10 mm Spaltmaß EPDM, schwarz Oberfläche: Gleitpolymer	for 10 mm gap dimension EPDM, black Surface: gliding polymer
	Z 911077 25	VE = 50 m	PU = 50 m
		für 12 mm Spaltmaß EPDM, schwarz Oberfläche: Gleitpolymer	for 12 mm gap dimension EPDM, black Surface: gliding polymer
ANSCHLAGDICHTUNG		REBATE GASKET	
	Z 918265 23	VE = 50 m	PU = 50 m
		Unten, seitlich Silikon, schwarz	Bottom, lateral Silicone, black
	Z 918495 25	VE = 50 m	PU = 50 m
		Oben EPDM, Oberfläche: Gleitpolymer	Top EPDM, surface: gliding polymer
	Z 917244 25	VE = 50 m	PU = 50 m
		Mittelstoß EPDM, Oberfläche: Gleitpolymer	Meeting stile EPDM, surface: gliding polymer

DICHTUNGSSYSTEME LABYRINTHBEREICH
SEALING SYSTEMS LABYRINTH-AREA

KUPPLUNGSDICHTUNG		COUPLING GASKET
Z 921753	VE = 50 m	PU = 50 m



zum Verbinden der Blendrahmen-Profile
5 x 9 mm
EPDM, schwarz

to connect the fixed frame profiles
5 x 9 mm
EPDM, black

LIPPENDICHTUNG		LIP SEAL
Z 923194	VE = 50 m	PU = 50 m



5,7 x 5,2 mm
EPDM, schwarz

5.7 x 5.2 mm
EPDM, black

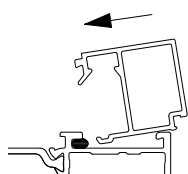
BÜRSTENDICHTUNG		WOVEN PILE WEATHER STRIP
Z 917261	VE = 100 m	PU = 100 m



nur für Schallschutz,
5,8 x 7,5 mm

for soundproofing only,
5.8 x 7.5 mm

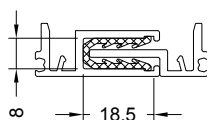
RUNDSCHNUR 3 MM		GASKET CORD 3 MM
Z 902161	VE = 100 m	PU = 100 m



Ø 3 mm
Moosgummi, dunkelgrau
Zur Abdichtung der äußeren Klipsprofile.
Verwendbar zur Sicherung der Glasleisten
gegen Herausfallen bei Transport ohne Glas,
L = ca. 20 mm (vom Verarbeiter abzulängen),
min. 2 Stück pro Leiste.

Ø 3 mm
Rubber foam, dark grey
For sealing the external snap-in profiles.
Suitable for securing the glazing beads against
falling out of transportation without glazing,
length = appr. 20 mm (cut to length by fabricator),
at least 2 pieces per profile.

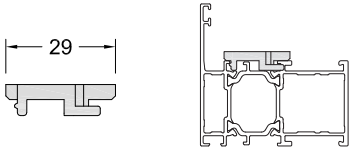
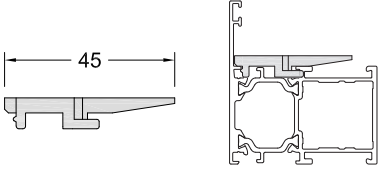
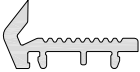

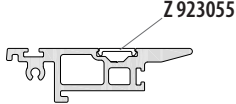
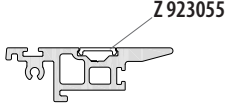

DEHNUNGSDICHTUNG		EXPANSION GASKET
Z 904107 25	VE = 100 m	PU = 100 m



8 x 18,5 mm
EPDM, schwarz
Verwendbar für Dehnungsprofile für die
Aufnahme einer Materialstärke von 2 - 3 mm.

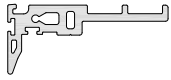
8 x 18.5 mm
EPDM, black
Suitable for expansion profiles for
housing a material thickness of 2 - 3 mm.

KLOTZBRÜCKE • GLASANSCHLAGPROFIL • ABDECKPROFIL • LABYRINTHPROFIL
GLAZING BRIDGE • GLASS STOP PROFILE • COVER PROFILE • LABYRINTH PROFILE

KLOTZBRÜCKE		GLAZING BRIDGE
Z 914358	VE = 50 Stück	PU = 50 pieces
	Kunststoff, Füllungsdicke 6 - 27 mm, klemmbar, für den Blendrahmen	Plastic, Filling thickness 6 - 27 mm, clamp-on version, for the fixed frame
Z 914357	VE = 50 Stück	PU = 50 pieces
	Kunststoff, Füllungsdicke 28 - 42 mm, klemmbar, für den Blendrahmen	Plastic, Filling thickness 28 - 42 mm, clamp-on version, for the fixed frame
GLASANSCHLAGPROFIL		GLASS STOP PROFILE
K 910099	VE = 1 Stück	PU = 1 piece
	Kunststoff, für RC 2, Länge = 6500 m	Plastic, for RC 2, Length = 6500 mm
ABDECKPROFIL		COVER PROFILE
K 910105	VE = 1 Stück	PU = 1 piece
	Kunststoff, für Profile B 813032 und B 813071 Länge = 6500 m	Plastic, for profiles B 813032 and B 813071 Length = 6500 mm
LABYRINTHPROFIL		LABYRINTH PROFILE
K 910154	VE = 1 Stück	PU = 1 piece
	Kunststoff, für Profile B 813234 und B 813235 Länge = 6500 m	Plastic, for profiles B 813234 and B 813235 Length = 6500 mm
K 910153	VE = 1 Stück	PU = 1 piece
	Kunststoff, für Profile B 813232 und B 813233 Länge = 6500 m	Plastic, for profiles B 813232 and B 813233 Length = 6500 mm
ABDECKPROFIL		COVER PROFILE
Z 923055	VE = 1 Stück	PU = 1 piece
	EPDM, schwarz, für Profile K 910153 und K 910154 Länge = 6500 m	EPDM, black, for profiles K 910153 and K 910154 Length = 6500 mm

LABYRINTHPROFIL • LAUFSCHIENE • DISTANZSTÜCK • ABDECKUNG
LABYRINTH PROFILE • ROLLER RAIL • SPACER BLOCK • COVER

LABYRINTHPROFIL		LABYRINTH PROFILE
K 910150	VE = 1 Stück	PU = 1 piece



Schmales Labyrinth
Länge = 6500 m

Small labyrinth
Length = 6500 mm

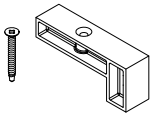
LAUFSCHIENE		ROLLER RAIL
Z 917260	VE = 1 Stück	PU = 1 piece



Edelstahl
Länge = 6500 m

Stainless steel
Length = 6500 mm

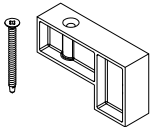
DISTANZSTÜCK		SPACER
Z 996534	VE = 50 Stück	PU = 50 pieces



für Festfeld-Flügelprofil
B 813232 und B 813233

for fixed field sash profile
B 813232 and B 813233

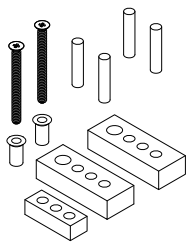
Z 996535	VE = 50 Stück	PU = 50 pieces
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für Festfeld-Flügelprofil
B 813234 und B 813235

for fixed field sash profile
B 813234 and B 813235

ZUBEHÖRSATZ		ACCESSORY KIT
Z 997762 00		
Z 997762 02	VE = 1 Stück	PU = 1 piece
Z 997762 64		



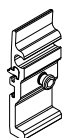
Anschlagpuffer Montageset, Monorail

Stop buffer mounting set, Monorail

ECKVERBINDER
CORNER CLEAT

Art.-Nr. Art. no.	VE = Inhalt PU = Content	Profil Profile
Z 911120	20 Stück / pieces	B 806330
Z 911956	20 Stück / pieces	B 806310
Z 914295	20 Stück / pieces	B 806310
Z 914297	20 Stück / pieces	B 806330
Z 914298	20 Stück / pieces	B 806340
Z 914299	20 Stück / pieces	B 806350
Z 914423	20 Stück / pieces	B 806340
Z 914425	20 Stück / pieces	B 806350
Z 917256	20 Stück / pieces	B 813234 • B 813235
Z 917257	20 Stück / pieces	B 813234 • B 813235
Z 917258	20 Stück / pieces	B 813232 • B 813233
Z 917259	20 Stück / pieces	B 813232 • B 813233
Z 918817	20 Stück / pieces	B 813232 • B 813233 • B 813234 • B 813235
Z 917637	20 Stück / pieces	B 813900
Z 923128	20 Stück / pieces	B 813930
Z 923129	20 Stück / pieces	B 813930
Z 923130	20 Stück / pieces	B 813930

STOSSVERBINDER
T-BRACKETS



STOSSVERBINDER

Außenkammer
Inkl. Dichtschnur und Fixierschraube

T-BRACKET

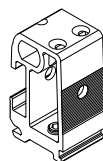
External chamber
Incl. gasket cord and fixing screw

STOSSVERBINDER

Innenkammer
Inkl. Fixierschraube und 2 Stück Stanzschrauben
für alle Lambda-Fenstererien

T-BRACKET

Internal chamber
Incl. fixing screw and 2 punch screws
for all Lambda window series

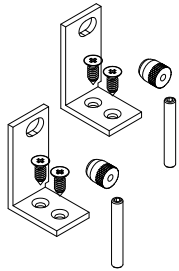


Art.-Nr. Art. no.	VE = Inhalt PU = Content	Profil Profile
Z 914374	20 Stück / pieces	B 806310
Z 914376	20 Stück / pieces	B 806330
Z 914377	20 Stück / pieces	B 806340
Z 914378	20 Stück / pieces	B 806350
Z 914383	20 Stück / pieces	B 806310
Z 914385	20 Stück / pieces	B 806330
Z 914386	20 Stück / pieces	B 806340
Z 914387	20 Stück / pieces	B 806350
Z 917792	20 Stück / pieces	B 813100
Z 918126	20 Stück / pieces	B 813100
Z 918127	20 Stück / pieces	B 813110
Z 918128	20 Stück / pieces	B 813110

BEFESTIGUNGSWINKEL
MOUNTING BRACKET

BEFESTIGUNGSWINKEL

Z 997559 VE = 1 Stück
für Schema MA1 / MA2 mit
schmalem Labyrinth B 813770



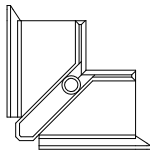
MOUNTING BRACKET

PU = 1 piece
for scheme MA1 / MA2 with
narrow labyrinth B 813770

AUSSTEIFUNGSWINKEL • KS-FORMTEILE • ABDECKKAPPE
CORNER STRENGTHENING PIECES • SHAPED PLASTIC PIECES • COVER CAP

AUSSTEIFUNGSWINKEL

Z 914240 VE = 100 Stück
Flügel, außen, zur Stabilisierung des
äußeren Profilanschlages
1 Stück pro Eckverbindung erforderlich

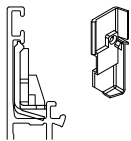


CORNER STRENGTHENING PIECE

PU = 100 pieces
Sash, external, for stabilising the
external profile limit stop
1 required for each corner connection

KS - FORMTEIL

Z 914234 VE = 100 Stück
Links,
für Stoßverbindungen

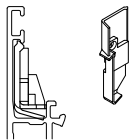


SHAPED PLASTIC PIECE

PU = 100 pieces
Left,
for T-joints

Z 914235 VE = 100 Stück

Rechts,
für Stoßverbindungen



PU = 100 pieces

Right,
for T-joints

ABDECKKAPPE

Z 923198 VE = 100 Stück weiß
Z 923199 VE = 100 Stück schwarz
Z 923200 VE = 100 Stück grau



COVER CAP

PU = 100 pieces white
PU = 100 pieces black
PU = 100 pieces grey

EPDM - FORMTEILE

Z 907686 VE = 100 Stück
Dichtungszuschnitt 50 mm,
zur Befestigung der Abdeckprofile
an B 813032

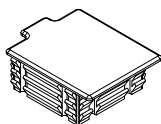


EPDM - SHAPED PIECES

PU = 100 pieces
Gasket cuttings 50 mm,
for fixing the cover profiles
to B 813032

Z 918816 VE = 10 Stück

Abdeckkappe oben/unten,
für Flügelprofil B 813750,
schmales Labyrinth



PU = 10 pieces

Cover cap top/bottom,
for sash profile B 813750,
narrow labyrinth

ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME

		BLENDRAHMEN / FIXED FRAME			
Schema / Scheme		A1	A2	MA1	MA2
Kombinummer / Comb. no.		Z 997653	Z 997654	Z 997655	Z 997656
Z 900920	Schraube B 3,9 x 13 mm DIN 7982 Screw B 3,9 x 13 mm DIN 7982	2	2	2	2
Z 901273	Schraube B 3,9 x 13 mm DIN 7981 Screw B 3,9 x 13 mm DIN 7981	25	25	-	-
Z 911939	Fassadenschraube Torx 63,5 mm Facade screw torx 63,5 mm	5	5	-	-
Z 923094	Schraube 5 x 50 mm Linsenköpf Torx Screw 5 x 50 mm torx head screw	20	20	20	20
Z 918990	Formteil vulkanisiert Rahmendichtung oben Shaped piece vulcanized frame gasket top	-	1	-	1
Z 918989	Formteil vulkanisiert Rahmendichtung oben Shaped piece vulcanized frame gasket top	1	-	1	-
Z 918988	Formteil vulkanisiert Rahmendichtung oben Shaped piece vulcanized frame gasket top	-	1	-	-
Z 918987	Formteil vulkanisiert Rahmendichtung oben Shaped piece vulcanized frame gasket top	1	-	-	-
Z 918991	Formteil vulkanisiert Rahmendichtung oben Shaped piece vulcanized frame gasket top	-	-	-	1
Z 918992	Formteil vulkanisiert Rahmendichtung oben Shaped piece vulcanized frame gasket top	-	-	1	-
Z 917222	Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	-	1	-	1
Z 917223	Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	1	-	1	-
Z 917224	Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	-	1	-	-
Z 917225	Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	1	-	-	-
Z 917253	Kugelventil Ball valve	1	1	1	1
Z 923148	Formteil, Material: Schaumstoff Shaped piece, material: foam	1	1	-	-
Z 923018	Wasserkappe Cover cap	2	2	2	2
Z 918119	Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	-	-	-	1
Z 918120	Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	-	-	1	-
Z 923031	Formteil vulkanisiert Mitte oben Shaped piece vulcanized center top	1	1	1	1
Z 923032	Formteil vulkanisiert Mitte oben Shaped piece vulcanized center top	1	1	1	1
Z 917184	Befestigungsstift Fixing pin	4	4	4	4
Z 923030	Bürstendichtung Mitte 22 x 30 x 14,5 Woven pile weather strip center 22 x 30 x 14,5	2	2	2	2
Z 923029	Bürstendichtung Mitte 49 x 40 x 18,3 Woven pile weather strip center 49 x 40 x 18,3	2	2	-	-
Z 917634	Schraube B 4,2 x 32 mm DIN 7982 Screw B 4,2 x 32 mm DIN 7982	25	25	25	25
Z 918345	Dichtungsecke für Z 918265 Corner gasket for Z 918265	2	2	2	2
Z 918493	Dichtungsecke für Z 918265 / Z 918495 links Corner gasket for Z 918265 / Z 918495 left	2	2	1	1
Z 918494	Dichtungsecke für Z 918265 / Z 918495 rechts Corner gasket for Z 918265 / Z 918495 right	2	2	1	1
Z 923064	Bürstendichtung Mitte 33 x 40 x 18,3 Woven pile weather strip center 33 x 40 x 18,3	-	-	2	2
Z 917241	Anschlaggummi Rebate gasket	2	2	2	2
Z 900656	Schraube B 3,9 x 19 mm DIN 7982 Screw B 3,9 x 19 mm DIN 7982	-	-	15	15

ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME

BLENDRAHMEN / FIXED FRAME								
Schema / Scheme	D1	D2	MG1	MG2	C	MC	MK	F
Kombinummer / Comb. no.	Z 997657	Z 997658	Z 997661	Z 997703	Z 997659	Z 997660	Z 997662	Z 997663
Z 900920 Schraube B 3,9 x 13 mm DIN 7982 Screw B 3,9 x 13 mm DIN 7982	4	4	2	2	-	-	4	-
Z 901273 Schraube B 3,9 x 13 mm DIN 7981 Screw B 3,9 x 13 mm DIN 7981	-	-	-	-	50	-	-	-
Z 911939 Fassadenschraube Torx 63,5 mm Facade screw torx 63,5 mm	-	-	-	-	10	-	-	-
Z 923094 Schraube 5 x 50 mm Linsenkopf Torx Screw 5 x 50 mm torx head screw	20	20	20	20	20	20	20	20
Z 918990 Formteil vulkanisiert Rahmendichtung oben Shaped piece vulcanized frame gasket top	-	1	-	-	-	-	1	-
Z 918989 Formteil vulkanisiert Rahmendichtung oben Shaped piece vulcanized frame gasket top	1	-	-	-	-	-	1	-
Z 918988 Formteil vulkanisiert Rahmendichtung oben Shaped piece vulcanized frame gasket top	-	1	-	-	1	-	-	1
Z 918987 Formteil vulkanisiert Rahmendichtung oben Shaped piece vulcanized frame gasket top	1	-	-	-	1	-	-	1
Z 918991 Formteil vulkanisiert Rahmendichtung oben Shaped piece vulcanized frame gasket top	-	-	1	1	-	1	-	-
Z 918992 Formteil vulkanisiert Rahmendichtung oben Shaped piece vulcanized frame gasket top	-	-	1	1	-	1	-	-
Z 917222 Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	-	-	-	-	-	-	1	-
Z 917223 Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	-	-	-	-	-	-	1	-
Z 917224 Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	-	-	-	-	1	-	-	-
Z 917225 Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	-	-	-	-	1	-	-	-
Z 917226 Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	-	1	-	-	-	-	-	1
Z 917227 Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	1	-	-	-	-	-	-	1
Z 917228 Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	1	-	-	-	-	-	-	-
Z 917229 Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	-	1	-	-	-	-	-	-
Z 918119 Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	-	-	1	1	-	1	-	-
Z 918120 Formteil vulkanisiert Rahmendichtung unten Shaped piece vulcanized frame gasket below	-	-	1	1	-	1	-	-
Z 917253 Kugelventil Ball valve	1	1	2	2	6	2	2	2
Z 923148 Formteil, Material: Schaumstoff Shaped piece, material: foam	-	-	-	-	2	-	-	-
Z 923018 Wasserkappe Cover cap	2	2	2	2	3	3	4	3
Z 923031 Formteil vulkanisiert Mitte oben Shaped piece vulcanized center top	2	2	1	1	2	2	2	4
Z 923032 Formteil vulkanisiert Mitte oben Shaped piece vulcanized center top	2	2	1	1	2	2	2	4
Z 923081 Formteil vulkanisiert Mitte oben Shaped piece vulcanized center top	-	-	-	1	-	-	-	-
Z 923082 Formteil vulkanisiert Mitte oben Shaped piece vulcanized center top	-	-	1	-	-	-	-	-
Z 917184 Befestigungsstift Fixing pin	8	8	4	4	8	8	8	16
Z 923030 Bürstendichtung Mitte 22 x 30 x 14,5 Woven pile weather strip center 22 x 30 x 14,5	4	4	2	2	4	4	4	8
Z 923029 Bürstendichtung Mitte 49 x 40 x 18,3 Woven pile weather strip center 49 x 40 x 18,3	2	2	-	-	4	-	-	4
Z 917634 Schraube B 4,2 x 32 mm DIN 7982 Screw B 4,2 x 32 mm DIN 7982	25	25	25	25	50	50	50	50
Z 918345 Dichtungsecke für Z 918265 Corner gasket for Z 918265	4	4	2	2	6	2	4	6
Z 918493 Dichtungsecke für Z 918265 / Z 918495 links Corner gasket for Z 918265 / Z 918495 left	2	2	1	1	3	1	2	3
Z 918494 Dichtungsecke für Z 918265 / Z 918495 rechts Corner gasket for Z 918265 / Z 918495 right	2	2	1	1	3	1	2	3
Z 923064 Bürstendichtung Mitte 33 x 40 x 18,3 Woven pile weather strip center 33 x 40 x 18,3	-	-	2	1	-	4	4	-
Z 917241 Anschlaggummi Rebate gasket	4	4	2	2	-	-	2	-

ZUBEHÖRSÄTZE • KLEINER FLÜGEL B 813232/233
ACCESSORY SETS • SMALL SASH B 813232/233

BREITES LABYRINTH
WIDE LABYRINTH

SCHWARZ / BLACK		KLEINER FLÜGEL / SMALL SASH B 813232/233						
Schema / Scheme	A1	A2	MA1	MA2	D1	D2	MC / MK	F
Kombinummer / Comb. no.	Z 997637	Z 997638	Z 997639	Z 997640	Z 997641	Z 997642	Z 997643	Z 997644
Z 918865 Schraube B 3,9 x 19 mm Screw B 3,9 x 19 mm	6	6	4	4	8	8	8	16
Z 923033 Abdeckung oben / Cover top	2	-	1	-	2	-	1	2
Z 923035 Abdeckung oben / Cover top	-	2	-	1	-	2	1	2
Z 920002 Abdeckung unten / Cover bottom	1	-	1	-	2	-	1	2
Z 920000 Abdeckung unten / Cover bottom	-	1	-	1	-	2	1	2
Z 918993 Dichtformteil Flügel Shaped gasket piece, sash	1	-	1	-	1	-	1	1
Z 918994 Dichtformteil Flügel Shaped gasket piece, sash	-	1	-	1	-	1	1	1
Z 918824 Dichtformteil Flügel Shaped gasket piece, sash	-	-	-	-	1	-	-	1
Z 918825 Dichtformteil Flügel Shaped gasket piece, sash	-	-	-	-	-	1	-	1
Z 918995 Dichtformteil Rahmen Shaped gasket piece, frame	1	-	-	-	-	-	-	-
Z 918996 Dichtformteil Rahmen Shaped gasket piece, frame	-	1	-	-	-	-	-	-
Z 918997 Dichtformteil Rahmen Shaped gasket piece, frame	-	-	1	-	-	-	1	-
Z 918998 Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	1	-	-	1	-
Z 918983 Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	1	-	-	1
Z 918984 Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	-	1	-	1

WEISS / WHITE		KLEINER FLÜGEL / SMALL SASH B 813232/233						
Schema / Scheme	A1	A2	MA1	MA2	D1	D2	MC / MK	F
Kombinummer / Comb. no.	Z 997645	Z 997646	Z 997647	Z 997648	Z 997649	Z 997650	Z 997651	Z 997652
Z 918865 Schraube B 3,9 x 19 mm Screw B 3,9 x 19 mm	6	6	4	4	8	8	8	16
Z 923034 Abdeckung oben / Cover top	2	-	1	-	2	-	1	2
Z 923036 Abdeckung oben / Cover top	-	2	-	1	-	2	1	2
Z 920003 Abdeckung unten / Cover bottom	1	-	1	-	2	-	1	2
Z 920001 Abdeckung unten / Cover bottom	-	1	-	1	-	2	1	2
Z 918993 Dichtformteil Flügel Shaped gasket piece, sash	1	-	1	-	1	-	1	1
Z 918994 Dichtformteil Flügel Shaped gasket piece, sash	-	1	-	1	-	1	1	1
Z 918824 Dichtformteil Flügel Shaped gasket piece, sash	-	-	-	-	1	-	-	1
Z 918825 Dichtformteil Flügel Shaped gasket piece, sash	-	-	-	-	-	1	-	1
Z 918995 Dichtformteil Rahmen Shaped gasket piece, frame	1	-	-	-	-	-	-	-
Z 918996 Dichtformteil Rahmen Shaped gasket piece, frame	-	1	-	-	-	-	-	-
Z 918997 Dichtformteil Rahmen Shaped gasket piece, frame	-	-	1	-	-	-	1	-
Z 918998 Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	1	-	-	1	-
Z 918983 Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	1	-	-	1
Z 918984 Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	-	1	-	1



Für Schema C bitte beide Kombinumern Z 997637 und Z 997638 (schwarz) bzw. Z 997645 und Z 997646 (weiß) bestellen!
For scheme C please order both comb. no. Z 997637 and Z 997638 (black) respectively Z 997645 and Z 997646 (white)!

ZUBEHÖRSÄTZE • GROSSER FLÜGEL B 813234/235
ACCESSORY SETS • BIG SASH B 813234/235

BREITES LABYRINTH
WIDE LABYRINTH

SCHWARZ / BLACK		GROSSER FLÜGEL / BIG SASH B 813234/235									
Schema / Scheme		C ①		MA1	MA2	D1	D2	MG1	MG2	MC / MK	F
Kombinummer / Comb. no.		Z 997678	Z 997679	Z 997680	Z 997681	Z 997682	Z 997683	Z 997704	Z 997705	Z 997684	Z 997685
Z 918865	Schraube B 3,9 x 19 mm Screw B 3,9 x 19 mm	6	6	4	4	8	8	4	4	8	16
Z 923033	Abdeckung oben Cover top	2	-	1	-	2	-	1	-	1	2
Z 923035	Abdeckung oben Cover top	-	2	-	1	-	2	-	1	1	2
Z 918868	Abdeckung unten Cover bottom	1	-	1	-	2	-	1	-	1	2
Z 918866	Abdeckung unten Cover bottom	-	1	-	1	-	2	-	1	1	2
Z 918846	Dichtformteil Flügel Shaped gasket piece, sash	1	-	1	-	1	-	1	-	1	1
Z 918847	Dichtformteil Flügel Shaped gasket piece, sash	-	1	-	1	-	1	-	1	1	1
Z 918848	Dichtformteil Flügel Shaped gasket piece, sash	-	-	-	-	1	-	-	-	-	1
Z 918849	Dichtformteil Flügel Shaped gasket piece, sash	-	-	-	-	-	1	-	-	-	1
Z 918851	Dichtformteil Rahmen Shaped gasket piece, frame	1	-	-	-	-	-	-	-	-	-
Z 918850	Dichtformteil Rahmen Shaped gasket piece, frame	-	1	-	-	-	-	-	-	-	-
Z 918845	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	1	-	-	-	1	-	1	-
Z 918844	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	1	-	-	-	1	1	-
Z 918985	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	1	-	-	-	-	1
Z 918986	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	-	1	-	-	-	1
Z 918479	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	-	-	-	1	-	-
Z 918480	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	-	-	1	-	-	-
Z 918483	T-Verbinder T-bracket	-	-	-	-	-	-	2	2	-	-
Z 918614	Schraube B 4,2 x 45 mm Screw B 4,2 x 45 mm	-	-	-	-	-	-	20	20	-	-



Für Schema C bitte beide Kombinumern Z 997678 und Z 997679 (schwarz) bestellen!
For scheme C please order both comb. no. Z 997678 and Z 997679 (black)!

ZUBEHÖRSÄTZE • GROSSER FLÜGEL B 813234/235
ACCESSORY SETS • BIG SASH B 813234/235

BREITES LABYRINTH
WIDE LABYRINTH

WEISS / WHITE		GROSSER FLÜGEL / BIG SASH B 813234/235									
Schema / Scheme		C ^①		MA1	MA2	D1	D2	MG1	MG2	MC / MK	F
Kombinummer / Comb. no.		Z 997686	Z 997687	Z 997688	Z 997689	Z 997690	Z 997691	Z 997706	Z 997707	Z 997692	Z 997693
Z 918865	Schraube B 3,9 x 19 mm Screw B 3,9 x 19 mm	6	6	4	4	8	8	4	4	8	16
Z 923034	Abdeckung oben Cover top	2	-	1	-	2	-	1	-	1	2
Z 923036	Abdeckung oben Cover top	-	2	-	1	-	2	-	1	1	2
Z 918869	Abdeckung unten Cover bottom	1	-	1	-	2	-	1	-	1	2
Z 918867	Abdeckung unten Cover bottom	-	1	-	1	-	2	-	1	1	2
Z 918846	Dichtformteil Flügel Shaped gasket piece, sash	1	-	1	-	1	-	1	-	1	1
Z 918847	Dichtformteil Flügel Shaped gasket piece, sash	-	1	-	1	-	1	-	1	1	1
Z 918848	Dichtformteil Flügel Shaped gasket piece, sash	-	-	-	-	1	-	-	-	-	1
Z 918849	Dichtformteil Flügel Shaped gasket piece, sash	-	-	-	-	-	1	-	-	-	1
Z 918851	Dichtformteil Rahmen Shaped gasket piece, frame	1	-	-	-	-	-	-	-	-	-
Z 918850	Dichtformteil Rahmen Shaped gasket piece, frame	-	1	-	-	-	-	-	-	-	-
Z 918845	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	1	-	-	-	1	-	1	-
Z 918844	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	1	-	-	-	1	1	-
Z 918985	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	1	-	-	-	-	1
Z 918986	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	-	1	-	-	-	1
Z 918479	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	-	-	-	1	-	-
Z 918480	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	-	-	1	-	-	-
Z 918483	T-Verbinder T-bracket	-	-	-	-	-	-	2	2	-	-
Z 918614	Schraube B 4,2 x 45 mm Screw B 4,2 45 mm	-	-	-	-	-	-	20	20	-	-



Für Schema C bitte beide Kombi-nummern Z 997686 und Z 997687 (weiß) bestellen!
For scheme C please order both comb. no. Z 997686 and Z 997687 (white)!

ZUBEHÖRSÄTZE • FLÜGEL B 813232/233, B 813234/235
ACCESSORY SETS • SASH B 813232/233, B 813234/235

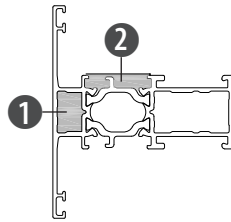
SCHMALES LABYRINTH
NARROW LABYRINTH

SCHWARZ / BLACK		KLEINER & GROSSER FLÜGEL / SMALL & BIG SASH B 813232/233, B 813234/235					
Schema / Scheme		A1	A2	MA1	MA2	D1	D2
Kombinummer / Comb. no.		Z 997666	Z 997667	Z 997668	Z 997669	Z 997670	Z 997671
Z 918865	Schraube B 3,9 x 19 mm Screw B 3,9 x 19 mm	6	6	4	4	8	8
Z 923059	Abdeckung oben / Cover top	2	-	1	-	2	-
Z 923061	Abdeckung oben / Cover top	-	2	-	1	-	2
Z 923049	Abdeckung unten / Cover bottom	-	1	-	1	-	2
Z 923047	Abdeckung unten / Cover bottom	1	-	1	-	2	-
Z 923043	Dichtformteil Flügel Shaped gasket piece, sash	1	-	1	-	1	-
Z 923044	Dichtformteil Flügel Shaped gasket piece, sash	-	1	-	1	-	1
Z 923045	Dichtformteil Flügel Shaped gasket piece, sash	-	-	-	-	1	-
Z 923046	Dichtformteil Flügel Shaped gasket piece, sash	-	-	-	-	-	1
Z 923039	Dichtformteil Rahmen Shaped gasket piece, frame	1	-	-	-	-	-
Z 923040	Dichtformteil Rahmen Shaped gasket piece, frame	-	1	-	-	-	-
Z 923041	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	1	-	-
Z 923042	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	1	-	-	-
Z 923008	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	1	-
Z 923009	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	-	1

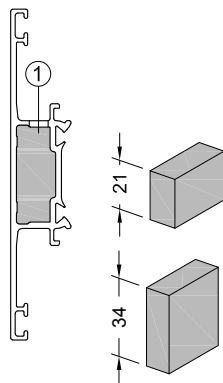
WEISS / WHITE		KLEINER & GROSSER FLÜGEL / SMALL & BIG SASH B 813232/233, B 813234/235					
Schema / Scheme		A1	A2	MA1	MA2	D1	D2
Kombinummer / Comb. no.		Z 997672	Z 997673	Z 997674	Z 997675	Z 997676	Z 997677
Z 918865	Schraube B 3,9 x 19 mm Screw B 3,9 x 19 mm	6	6	4	4	8	8
Z 923060	Abdeckung oben / Cover top	2	-	1	-	2	-
Z 923062	Abdeckung oben / Cover top	-	2	-	1	-	2
Z 923050	Abdeckung unten / Cover bottom	-	1	-	1	-	2
Z 923048	Abdeckung unten / Cover bottom	1	-	1	-	1	-
Z 923043	Dichtformteil Flügel Shaped gasket piece, sash	1	-	1	-	1	-
Z 923044	Dichtformteil Flügel Shaped gasket piece, sash	-	1	-	1	-	1
Z 923045	Dichtformteil Flügel Shaped gasket piece, sash	-	-	-	-	1	-
Z 923046	Dichtformteil Flügel Shaped gasket piece, sash	-	-	-	-	-	1
Z 923039	Dichtformteil Rahmen Shaped gasket piece, frame	1	-	-	-	-	-
Z 923040	Dichtformteil Rahmen Shaped gasket piece, frame	-	1	-	-	-	-
Z 923041	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	1	-	-
Z 923042	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	1	-	-	-
Z 923008	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	1	-
Z 923009	Dichtformteil Rahmen Shaped gasket piece, frame	-	-	-	-	-	1

DICHTUNGSFORMSTÜCKE FÜR SPROSSENSTÖSSE
SHAPED GASKET PIECES FOR TRANSOM JOINTS

Dichtungsformstücke für Sprossenstöße
Shaped gasket pieces for transom joints



Formteil für Sprossenaußenkammer bei Entwässerung über geschlossene Vorkammer Shaped piece for transom outer chamber for drainage via closed front chamber			Dichtkissen zur Abdeckung der PA Zone Sealing pad for covering the PA zone			
Art.-Nr. Art. no.	Anzahl je Sprosse Quantity per transom	VE = Inhalt PU = Content	Art.-Nr. Art. no.	Anzahl je Sprossenstoß Quantity per transom joint	VE = Inhalt PU = Content	Profil Profile
Z 914280	2 Stück 2 pieces	100 Stück 100 pieces	Z 917306	1 Stück 1 piece	20 Stück 20 pieces	B 806310
Z 914282	2 Stück 2 pieces	100 Stück 100 pieces	Z 917308	1 Stück 1 piece	20 Stück 20 pieces	B 806330
Z 914283	2 Stück 2 pieces	100 Stück 100 pieces	Z 914352	2 Stück 2 pieces	20 Stück 20 pieces	B 806340
Z 914285	2 Stück 2 pieces	20 Stück 20 pieces	Z 914352	2 Stück 2 pieces	20 Stück 20 pieces	B 806050

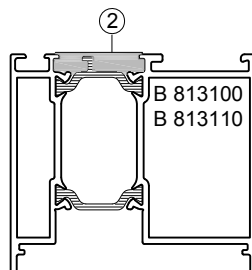
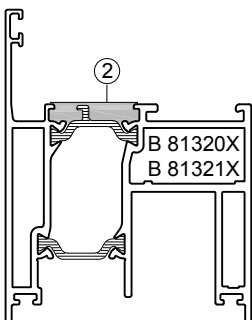


FORMTEIL SPROSSENAUSSENKAMMER SHAPED PIECE TRANSOM OUTER CHAMBER

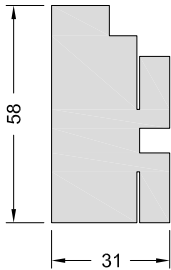
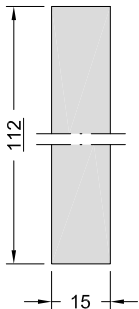
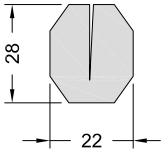
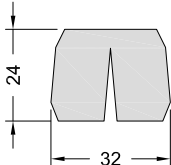
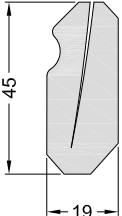
K 914280	VE = 50 m	PU = 50 m
	Formteil aus Schaumstoff für Sprossenaußenkammer 21 x 11,5 x 25 mm	Shaped piece made of foam for transom outer chamber 21 x 11.5 x 25 mm
K 914282	VE = 50 m	PU = 50 m
	Formteil aus Schaumstoff für Sprossenaußenkammer 34 x 10,5 x 25 mm	Shaped piece made of foam for transom outer chamber 34 x 10.5 x 25 mm

DICHTKISSEN SEALING PAD

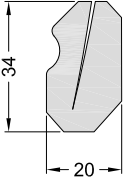
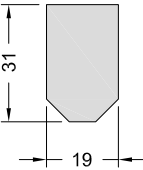
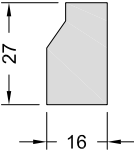
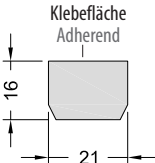
Z 917306	VE = 50 m	PU = 50 m
	Dichtkissen EPDM, Schaumstoff, Maß Y: 23 mm zur Abdeckung der PA Zone bei Stoßverbindungen	Sealing pad EPDM, foam, dimension Y: 23 mm for covering the PA zone of T-joints
Z 917308	VE = 50 m	PU = 50 m
	Dichtkissen EPDM, Schaumstoff, Maß Y: 36 mm zur Abdeckung der PA Zone bei Stoßverbindungen	Sealing pad EPDM, foam, dimension Y: 36 mm for covering the PA zone of T-joints



GLASFALZDÄMMUNG • DÄMMKERNE ZUR OPTIMIERUNG DES U-WERTES (OPTIONAL)
GLASS REBATE INSULATION • INSULATING CORES TO OPTIMIZE THE U-VALUE (OPTIONAL)

DÄMMKERNE		INSULATING CORES	
	K 920298 VE = 41 Stück L = 1000 mm Passend für Profile B 81323X mit Anpassungen auch für Profile B 813100 + B 813110	PU = 41 pieces Length = 1000 mm Suitable for profiles B 81323X with adjustments also for profiles B 813100 + B 813110	
	K 920284 VE = 20 Stück L = 1000 mm Passend für Profile B 813900 + B 813930	PU = 20 pieces Length = 1000 mm Suitable for profiles B 813900 + B 813930	
	K 920372 VE = 110 Stück L = 1000 mm Passend für Profil B 813080	PU = 110 pieces Length = 1000 mm Suitable for profile B 813080	
	K 920255 VE = 78 Stück L = 1000 mm Passend für Profile B 813010 + B 813021 Farbe: weiß	PU = 78 pieces Length = 1000 mm Suitable for profiles B 813010 + B 813021 Color: white	
	K 920324 VE = 98 Stück L = 1000 mm Passend für Profile B 813110, B 813234, B 813235 Farbe: weiß	PU = 98 pieces Length = 1000 mm Suitable for profiles B 813110, B 813234, B 813235 Color: white	

GLASFALZDÄMMUNG • DÄMMKERNE ZUR OPTIMIERUNG DES U-WERTES (OPTIONAL)
GLASS REBATE INSULATION • INSULATING CORES TO OPTIMIZE THE U-VALUE (OPTIONAL)

DÄMMKERNE		INSULATING CORES	
	K 920326 VE = 137 Stück L = 1000 mm Passend für Profile B 813100, B 813232, B 813233 Farbe: weiß	PU = 137 pieces Length = 1000 mm Suitable for profiles B 813100, B 813232, B 813233 Color: white	
	K 920280 VE = 30 Stück L = 1000 mm Passend für Standflügel, unten Farbe: weiß	PU = 30 pieces Length = 1000 mm Suitable for inactive sash, bottom Color: white	
	K 920281 VE = 30 Stück L = 1000 mm Passend für Standflügel, oben Farbe: weiß	PU = 30 pieces Length = 1000 mm Suitable for inactive sash, top Color: white	
	K 920282 VE = 30 Stück L = 1000 mm Passend für Standflügel, rahmenseitig Farbe: weiß	PU = 30 pieces Length = 1000 mm Suitable for inactive sash, frame side Color: white	

DÄMMKERNE INSULATING CORES				
Art. Nr. Art. no.	Breite Width	Höhe Height	Länge Length	Profile Profiles
K 920255	31.6 mm	24.2 mm	1000 mm	B 813010, B 813021
K 920280	19 mm	31 mm	1000 mm	B 813232, B 813233, B 813234, B 813235
K 920281	16 mm	27 mm	1000 mm	B 813032
K 920282	15.5 mm	21 mm	1000 mm	B 813232, B 813233, B 813234, B 813235
K 920284	15.5 mm	112.5 mm	1000 mm	B 813900, B 813930
K 920298	31 mm	55 mm	1000 mm	B 813232, -233, -234, -235 + P 813690, B 813100, -110 + P 813690
K 920324	19 mm	45.5 mm	1000 mm	B 813110, B 813234, B 813235
K 920326	20 mm	34.5 mm	1000 mm	B 813100, B 813232, B 813233
K 920372	22 mm	28 mm	1000 mm	B 813080

PFLEGE- UND REINIGUNGSMITTEL
CLEANING AND MAINTAINANCE PRODUCTS

OBERFLÄCHENREINIGER		SURFACE CLEANER	
Z 902477	VE = 1 Stück 300g Spraydose	PU = 1 piece	300g aerosol can



Oberflächenreiniger, für anodisierte Profile zur Reinigung verschmutzter Profile

Surface cleaner, for anodized profiles, for cleaning contaminated profiles

SICHERUNGSLACK		SAFETY PAINT	
Z 902783	VE = 1 Stück 50 cm ³ - Flasche	PU = 1 piece	50 cm ³ bottle



Sicherungslack für Schraubverbindungen

Safety paint for screw connections, PU = 50 cm³ bottle

SCOTCH-BRITE-FASERVLIES		SCOTCH-BRITE-CLOTH	
Z 904893	VE = 1 Stück	PU = 1 piece	



Scotch - Brite - Faservlies

Scotch - Brite - cloth

Bitte Technische Information beachten: "Reinigung und Pflege von Aluminium-Fenster und -Türen"

Please observe technical information on: "Cleaning and maintenance of Aluminium windows and doors"

VLIES HANDPAD		FIBRE HAND PAD	
Z 904894	VE = 1 Stück	PU = 1 piece	



Vlies Handpad, superfein

Fibre hand pad, ultra fine

GLEITMITTEL FLÜSSIG		LUBRICANT LIQUID	
Z 914494	VE = 1 Stück	PU = 1 piece	



Gleitmittel in flüssiger Form, zum Benetzen der Dichtungen und Dämmprofile, in 1 Liter Gebinden

Lubricant liquid, for wetting the gaskets and insulating profile, in 1 litre containers

METALLKLEBER FÜR LACKIERTE UND ZU LACKIERENDE PROFILE • BITTE GEBRAUCHSANWEISUNG BEACHTEN!
METAL GLUE FOR PAINTED PROFILES AND PROFILES DUE FOR PAINTING • PLEASE OBSERVE THE INSTRUCTIONS FOR USE!

KOMPONENTE "A"

Z 903100 VE = 1 Stück

Komponente "A", 1000 g Dose,
wird im Verhältnis 1:1 gemischt



COMPONENT "A"

PU = 1 piece

Component "A", 1000 g tin,
to be mixed at a ratio of 1:1

KOMPONENTE "B"

Z 903101 VE = 1 Stück

Komponente "B", 1000 g Dose,
wird im Verhältnis 1:1 gemischt



COMPONENT "B"

PU = 1 piece

Component "B", 1000 g tin,
to be mixed at a ratio of 1:1

ABTÖNPASTE

Z 909739 VE = 1 Stück

Abtönpaste, zur Mischung mit
den Metallklebern geeignet
Farbton: weiß
Mischverhältnis 0.5 - 1.5 %



COLOURING PASTE

PU = 1 piece

Colouring paste, suitable for
mixing with metal glues
Colour: white
Mixing ratio 0.5 - 1.5 %

MISCHSCHALE

Z 900462 VE = 1 Stück

Mischschale



MIXING BOWL

PU = 1 piece

Mixing bowl

ZWEIKOMPONENTENKLEBER

Z 922656 VE = 6 Stück

Zweikomponentenkleber
in Duo-Kartuschen, 620 ml



TWO-COMPONENT GLUE

PU = 6 pieces

Two-component glue
in dual cartridges, 620 ml

METALLKLEBER • REINIGER • DICHTSTOFF • KLEBEBAND
METAL GLUE • DETERGENT • SEALING MATERIAL • ADHESIVE TAPE

STATIKMISCHER
Z 911738 VE = 50 Stück



Statikmischer,
erforderlich für Duo-Kartuschen

STATIC MIXER
PU = 50 piece
Static mixer,
required for dual cartridges

KLEBERPISTOLE
Z 911739 VE = 1 Stück



Kleberpistole für die Verarbeitung
des Klebers aus Duo-Kartuschen

GLUE GUN
PU = 1 piece
Glue gun for processing
dual cartridge glue

SPEZIALKLEBER
Z 992785 VE = 1 Stück



Spezialkleber, Komponente A und B
in Gebinden zu 3 kg

SPECIAL GLUE
PU = 1 piece
Special glue, components A and B
in 3 kg containers

REINIGER
Z 912750 VE = 1 Stück Dose 1000 ml



Reiniger, zum Entfernen von Kleberresten

DETERGENT
PU = 1 piece 1000 ml tin
Detergent, for removing glue remains

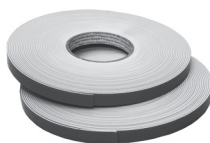
DICHTSTOFF
Z 912716 VE = 1 Stück



Dichtstoff, transparent,
Feinfugendichtstoff für
Al- und Kunststoffprofilfugen

SEALING MATERIAL
PU = 1 piece
Sealing material, transparent,
sealing material for aluminium
and plastic profile joints

HOCHLEISTUNGSKLEBEBAND
Z 921346 VE = 1 Stück



Hochleistungsklebeband, weiß,
zur Befestigung flügelüberdeckender Füllungen,
15 x 2 mm, Länge = 16,5 m



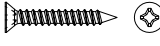

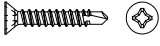


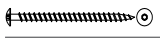
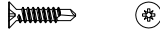



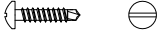

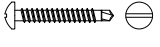

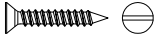





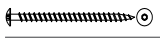


HIGH PERFORMANCE ADHESIVE TAPE
PU = 1 piece
High performance adhesive tape, white,
for fixing the intersash door panellings,
15 x 2 mm, length = 16,5 m

Kleb- und Dichtstoffe zur Abdichtung aller Konstruktionsfugen.
Zur Verarbeitung Handpistole für Folienkartuschen verwenden.

Sealing material for all construction joints.
For processing use hand pistol for foil cartridges.

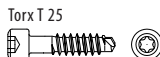













KLEB- UND DICHTSTOFF		SEALING MATERIAL	
	Z 912717 VE = 1 Stück 400 ml Folienkartusche EPDM verträglich, silikonfrei, GRAU	PU = 1 piece 400 ml foil cartridge Suitable with EPDM, without silicone, GREY	
	Z 912718 VE = 1 Stück 400 ml Folienkartusche EPDM verträglich, silikonfrei, SCHWARZ	PU = 1 piece 400 ml foil cartridge Suitable with EPDM, without silicone, BLACK	
KLEBER		GLUE	
	Z 903941 VE = 1 Stück 200 g Tube Zum Abdichten der Gehrungsstöße bei den Verglasungsdichtungen, Verarbeitungstemperatur 12°-40°C, Haltbarkeit 6 Monate, SCHWARZ	PU = 1 piece 200 g tube For sealing mitre joints on glazing gaskets, processing temperature 12°-40°C, durability 6 months, BLACK	
	Z 918856 VE = 1 Stück 90 ml Tube Zum Verkleben der Dichtungsstöße von Silikondichtungen TRANSPARENT	PU = 1 piece 90 ml tube To glue gasket joints of silicon gaskets, TRANSPARENT	
SEKUNDENKLEBER		SUPER GLUE	
	Z 900931 VE = 1 Stück 20 g Flasche Verarbeitungstemperatur +20°C Spaltüberbrückung max. 0,1 mm Lagerfähigkeit bei +15 - +25°C ca. 12 Monate TRANSPARENT	PU = 1 piece 20 g bottle Processing temperature +20°C, Gap bridging max. 0.1 mm Storage property at +15 - +25°C approx. 12 months, TRANSPARENT	
SELBSTHAFTENDE FOLIE		SELF-ADHESIVE FOIL TAPE	
	Z 918977 VE = 1 Stück L = 100 m Zum manuellen Bekleben von eloxierten und farbbeschichteten Profilen. Folie schützt die Profile während Montage, weiterer Bearbeitung und Transport. Anwendbar im Temperaturbereich von +15 °C bis +45 °C. Sie kann bis ca. drei Monate nach dem Bekleben rückstandsfrei entfernt werden. Farbe: WEISS mit Hueck-Logo bedruckt. Lieferbar in der Breite 1,25 m für Selbstzuschnitt. Sechs Monate lagerfähig.	PU = 1 piece Length = 100 m For applying by hand to anodised and colour-coated profiles. Foil tape protects profiles during assembly, further processing and transport. Applicable within temperatures between +15 °C and +45 °C. Foil can be removed cleanly within approximately three month after applying. Colour: WHITE with Hueck logo image. Available width 1,25 m for self-cut. Six months suitable for storage.	

SCHRAUBEN
SCREWS

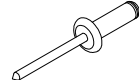

Abbildung / Art Illustration / Type	VE PU	Bezeichnung Designation	DIN DIN	Abmessung Dimension	Art.-Nr. Art. no.	Abbildung / Art Illustration / Type	VE PU	Bezeichnung Designation	DIN DIN	Abmessung Dimension	Art.-Nr. Art. no.								
Senkschraube Countersunk screw 	100	A2	DIN 965	M 5 x 6	Z 908626	Linsenblechschraube Lens-shaft metal screw 	100	A2	DIN 7981	ST 3.9 x 9.5	Z 901144								
				M 5 x 10	Z 900456					ST 3.9 x 10	Z 903247								
				M 5 x 12	Z 904479					ST 3.9 x 13	Z 901273								
				M 5 x 14	Z 900611					ST 3.9 x 16	Z 900235								
				M 5 x 16	Z 902439					ST 3.9 x 19	Z 900859								
				M 5 x 20	Z 900255					ST 3.9 x 22	Z 905172								
				M 5 x 25	Z 901212					ST 3.9 x 60	Z 909492								
				M 5 x 28	Z 913311					ST 4.2 x 9.5	Z 908886								
				M 5 x 30	Z 906416					ST 4.2 x 10.5	Z 912003								
Senkblechschraube Countersunk self-tapping screw 	100	A2	DIN 7982 CH	ST 3.5 x 25	Z 917540	Linsenblechschraube Lens-shaft metal screw 	100	A2	DIN 7981 50	ST 4.2 x 22	Z 903709								
									mit U-Scheibe with washer	DIN 7981	ST 4.2 x 22	Z 908956							
Bohrschraube mit Senkkopf / Self drilling countersunk screw 	100	A2	DIN 7504-P B	ST 3.9 x 25	Z 905079	Senkblechschraube Countersunk self-tapping screw 	100	A2	DIN 7982	ST 4.2 x 38	Z 908870								
										Sonder-Torx Special-Torx	ST 4.8 x 9.5	Z 913156							
											A2	ST 4.8 x 13	Z 902192						
Bohrschraube mit Senkkopf / Self drilling countersunk screw 	100	A2	DIN 7504 SO	ST 3.5 x 16	Z 911050	Senkblechschraube Countersunk self-tapping screw 	100	A2	DIN 7981	ST 4.8 x 14	Z 912668								
										A4	DIN 7380	ST 5 x 8	Z 921898						
Bohrschraube mit Senkkopf / Self drilling countersunk screw 	100	A2	DIN 7504 OZ	ST 4.2 x 19	Z 917187	Linsenblechschraube Lens-shaft metal screw 	100	A2	DIN 7981	ST 4.8 x 38	Z 917639								
				Bohrschraube mit Senkkopf / Self drilling countersunk screw 	100					A2	DIN 7504 D SO	ST 4.8 x 19	Z 908960	Senkblechschraube Countersunk self-tapping screw 	100	A2	DIN 7982	ST 4.8 x 32	Z 917591
																		DIN 7504 P-H	ST 3.9 x 25	Z 921817
Bohrschraube mit Senkkopf / Self drilling countersunk screw 	100	A2	DIN 7504	DG 50 x 16	Y 242790	Linsenblechschraube Lens-shaft metal screw 	100	A2	DIN 7504	ST 3.9 x 25	Y 242310								
				ST 4.2 x 32	Z 912426														
Linsenblechschraube Lens-shaft metal screw 	100	A2	DIN 7504	ST 3.9 x 25	Y 242310	Senkblechschraube Countersunk self-tapping screw 	100	A2	DIN 7972	ST 4.8 x 32	Z 900882								
												ST 4.2 x 32	Z 912426						
Senkblechschraube Countersunk self-tapping screw 	100	A2	DIN 7973	ST 4.8 x 19	Z 900188	Senkblechschraube Countersunk self-tapping screw 	100	A2	DIN 7973	ST 4.8 x 19	Z 900188								
												Senkblechschraube Countersunk self-tapping screw 	100	A2	DIN 7973	ST 4.8 x 19	Z 900188	Senkblechschraube Countersunk self-tapping screw 	100	A2	DIN 7973	ST 4.8 x 19	Z 900188
Linsenblechschraube Lens-shaft metal screw 	100	1.4567 (A2)	DIN 2768	ST 4.8 x 13	Z 917133	Sonderschraube Special screw 	100	A2	DIN 7982	ST 5 x 24	Z 921105								
												Sonderschraube Special screw 	100	A2	DIN 7985	ST 4.5 x 70	Z 921411		
Sechskantblechschraube Hexagon self-tapping screw 	100	A2 Neoprendichtung neoprene gasket	DIN 7976	ST 4.8 x 19	Z 903432	Linsenkopfschraube Lens head screw 	100	A2	DIN 7985	M 5 x 12	Z 902197								
				ST 4.8 x 50	Z 907796					M 5 x 15	Z 900252								
										M 5 x 20	Z 902111								








SCHRAUBEN
SCREWS



STIFTE
PINS

Abbildung / Art Illustration / Type	VE PU	Bezeichnung Designation	DIN DIN	Abmessung Dimension	Art.-Nr. Art. no.	Abbildung / Art Illustration / Type	VE PU	Bezeichnung Designation	DIN DIN	Abmessung Dimension	Art.-Nr. Art. no.
 <p>Fassadenschraube Façade screw</p>	100	A2		ST 5.9 x 21.5	Z 911945	 <p>Spannstift Roll pin</p>	100	ALU	DIN 1473	3 x 20	Z 921647
				ST 5.9 x 25	Z 911944					5 x 7	Z 916221
				ST 5.9 x 30	Z 911934					5 x 8	Z 911513
				ST 5.9 x 31.5	Z 911986					5 x 13	Z 911049
				ST 5.9 x 36	Z 917269					5 x 14	Z 921009
				ST 5.9 x 37.5	Z 911935					5 x 14	Z 921576
				ST 5.9 x 42	Z 911943					6.5 x 8	Z 907432
				ST 5.9 x 46	Z 911936					6.5 x 13	Z 907422
				ST 5.9 x 50.3	Z 914484					6.5 x 18.5	Z 907684
				ST 5.9 x 53.5	Z 911937					7.5 x 8.5	Z 914351
				ST 5.9 x 56	Z 911938					5.1 x 11	Z 914864
				ST 5.9 x 59	Z 911917					5.1 x 7	Z 921896
				ST 5.9 x 63.5	Z 911939					6 x 20	Z 912865
				ST 5.9 x 66	Z 911897						
				ST 5.9 x 67	Z 911931						
ST 5.9 x 72	Z 911929										
ST 5.9 x 73.5	Z 911896										
 <p>Kreuzlochschraube Capstan screw</p>	100	S0.556312 KR-ST	DIN 7985	M 5 x 19	Z 906525	 <p>Gewindestift Threaded pin</p>	100	A2	DIN 916	M 5 x 6	Z 906361
										M 8 x 6	Z 902838
 <p>Gewindestange Threaded rod</p>	100	A2	DIN 976	M 8 x 20	Z 906359	 <p>Gewindestange Threaded rod</p>	100	A2	DIN 975	M 8 x 85	Z 900929
										M 8 x 40	Z 913375	M 8 x 95	Z 911163
 <p>Sonderschraube Special screw</p>	100	Sonder-Torx Special-Torx		ST 4.8 x 16	Z 912604	 <p>Gewindestift Threaded pin</p>	100	A2		M 8 x 28	Z 908394
				ST 4.8 x 16	Z 914198						
 <p>Sonderschraube Special screw</p>	100	A2	DIN 7504 0Z ISO 15482	4.8 x 22	Z 921163	 <p>Kegelstift Tapered pin</p>	100	ALU		5.8 x 9	Y 243900
										5.8 x 15	Y 243910
										7.5 x 14	Z 900023
										7.7 x 16	Z 900024
										8 x 19	Z 900025
 <p>Sonderschraube Special screw</p>	100	A2 Torx T 25		M5 x 20	Z 921164	 <p>Kerbstift Notch pin</p>	100	A2	DIN 1472	2.5 x 30	Z 903539
										3 x 40	Y 243800
										3 x 12	Z 914712
										3.5 x 13.5	Z 905462
										3.5 x 21	Z 905489
 <p>Sechskantblechschraube / Hexagon self-tapping screw</p>	100	Selbstschneidend für Spannstange Self-tapping for tension rod		8.8 x 20	Z 911947	 <p>Befestigungsstift Fixing pin</p>	100	PA, schwarz PA, black		18 mm	Z 917184

NIETE
RIVETS

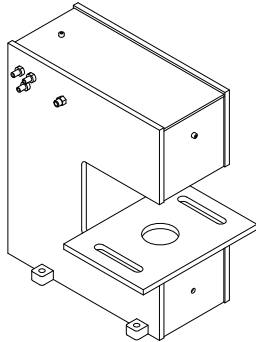
Abbildung / Art Illustration / Type	VE PU	Bezeichnung Designation	Bohrloch Ø Drill hole Ø	Klemmbereich (mm) Clamping area (mm)	Abmessung Dimension	Art.-Nr. Art. no.				
 <p>Blindniet Blind rivet</p>	500	Flachkopf Flat head	3.1	3.5 - 4.5	3 x 7	Z 902198				
							100 500	3.3	3.0 - 5.0	3.2 x 8	Z 902199
	500	Flachkopf schwarz RAL 9005 Flat head black RAL 9005	3.3		3.2 x 9.2	Z 913131				
	100	Flachkopf Flat head					3.2	5.0 - 7.0	3.2 x 10	Z 902200
	500		4.0	4.5 - 6.0	4 x 8	Z 902201				
	500						4.0	4.5 - 8.5	4 x 10	Z 901452
	500										4.8	5 - 10	4.8 x 14	Z 903781
 <p>Blindniet Blind rivet</p>	100 500	Typ W Type W	3.1	1.0 - 2.5	3 x 5	Z 907386				

MÜTTERN NUTS						SCHEIBEN WASHER					
Abbildung / Art Illustration / Type	VE PU	Bezeichnung Designation	DIN DIN	Abmessung Dimension	Art.-Nr. Art. no.	Abbildung / Art Illustration / Type	VE PU	Bezeichnung Designation	DIN DIN	Abmessung Dimension	Art.-Nr. Art. no.
 <p>Hutmutter Cap nut</p>	100		DIN 917	M 8	Z 900943	 <p>Dichtscheiben Washer</p>	100	A2 Neoprendichtung Neoprene gasket		9.5 x 5.1 x 1	Y 242560
 <p>Alu-Nietmutter Aluminium rivet nut</p>	500	Kleiner Senkkopf Small counter-sunk head		M5 x 7 x 12.5	Z 900224			Scheibe Washer		11.5 x 5.3 x 5	Z 902990
	500	Senkkopf Countersunk head		M5 x 7 x 12.5	Z 907962			PVC Scheibe PVC washer		10 x 5 x 1	Y 242500
	250			M6 x 9 x 15.5	Z 908587			Scheibe Washer	DIN 125	A 5.3	Z 901133
	250			M6 x 9 x 17	Z 900337			Scheibe Washer	DIN 125	A 6.4	Z 901136
 <p>Alu-Nietmutter Aluminium rivet nut</p>	500	Flachkopf Flat head		M5 x 7 x 11.5	Z 904095			Scheibe Washer	DIN 125	A 8.4	Z 902113
	500			M5 x 7 x 13.5	Z 900223			Scheibe Washer	DIN 125	A 8.4	Z 902113
	250			M6 x 9 x 15.5	Z 902164			Scheibe Washer	DIN 125	A 10.5	Z 901140
 <p>Sechskant-Mutter Hexagonal nut</p>	100	A2	DIN 934	M5	Z 901132			Scheibe Washer	DIN 125	A 13	Z 902747
				M6	Z 901135			Scheibe Washer	DIN 126	A 10.5	Z 902006
 <p>Sechskant-Mutter, selbstsichernd Hexagonal nut, self locking</p>	100	A2	DIN 985	M6	Z 906834			Neoprendichtung Neoprene gasket		10 x 4.5 x 3	Z 908069
				M10 x 8	Z 908883			Kontaktscheibe Contact washer		M 10	Z 908918

HÜLSEN SLEEVES						RINGE RINGS					
Abbildung / Art Illustration / Type	VE PU	Bezeichnung Designation	DIN DIN	Abmessung Dimension	Art.-Nr. Art. no.	Abbildung / Art Illustration / Type	VE PU	Bezeichnung Designation	DIN DIN	Abmessung Dimension	Art.-Nr. Art. no.
 <p>Spannhülse Clamping sleeve</p>	100	A2	DIN 1481	5 x 8	Z 903108	 <p>Federring Spring washer</p>	100	A2	DIN 127	B 5	Z 901134
			DIN 1481	6 x 10	Z 903087				DIN 127	B 6	Z 901137
			DIN 1482	6 x 15.5	Z 900665				DIN 7980	8.5	Z 900474
			DIN 7980	10.5	Z 900299						

STANZGESTELL • STANZWERKZEUGE
PUNCHING RACK • PUNCHING TOOLS

STANZGESTELL	PUNCHING RACK
Z 981282 VE = 1 Stück	PU = 1 piece



Stanzgestell für Stanzwerkzeughöhe 140 mm, Hub 25 mm

HUECK "Hydropneumatische Stanze", Kraftübertragung mittels Druckübersetzer, Auslösung des Stanzvorgangs durch Fußventil, Stanze mit Fußventil, Werkzeug-Schnellwechsellvorrichtung, erforderlicher Betriebsdruck 6 - 7 bar

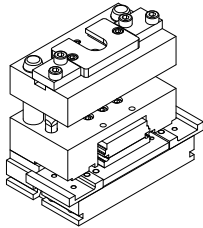
Punching rack for punching tools 140 mm, feed 25 mm

HUECK "hydropneumatic punching machine", power transmission by means of pressure transformer, punching process triggered by foot valve, punching machine with foot valve, device for fast tool changing, 6 - 7 bar operating pressure required

STANZWERKZEUGE	PUNCHING TOOLS
Z 996517 VE = 1 Stück	PU = 1 piece

Profile Profiles

P 813690



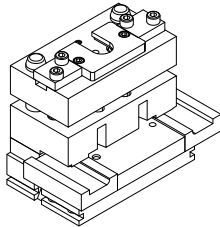
für Ausklinkung der Abdeckprofile, unten

for notching of the cover profiles

Z 997636 VE = 1 Stück	PU = 1 piece
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Profile Profiles

P 813690



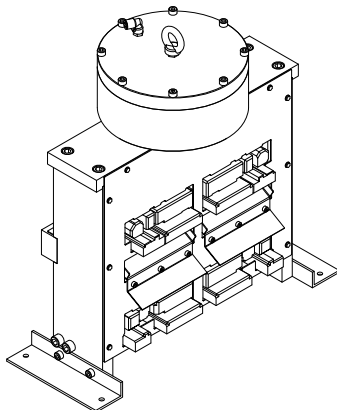
für Ausklinkung der Abdeckprofile, oben

for notching of the cover profiles

Z 996519 VE = 1 Stück	PU = 1 piece
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Profile Profiles

B 813010
B 813021
B 813080



für Lochung für Rahmenverschraubung

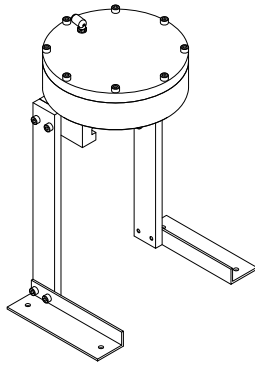
for holes for frame screwing

STANZGESTELL • STANZWERKZEUGE
PUNCHING RACK • PUNCHING TOOLS

STANZGESTELL

Z 994597 VE = 1 Stück

für das Stanzwerkzeug Z 996068



PUNCHING RACK

PU = 1 piece

for punching tool Z 996068

STANZWERKZEUG

Z 996068 VE = 1 Stück

für Eckverbinder und Stoßverbinderlochung
in Sprosse und Flügelprofil,
für Zylinder- und Kegelstifte

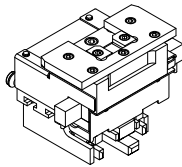
PUNCHING TOOL

PU = 1 piece

for punching corner connections and T-brackets
in the transom and the sash profile,
for cylindrical and conical pins

Profile
Profiles

B 813100
B 813110
B 813232
B 813233
B 813234
B 813235
B 806310
B 806330
B 806340
B 806350



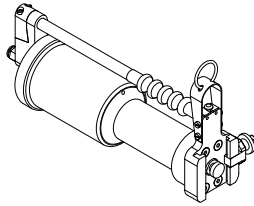
Für Werkzeuglieferung vor 08/17 sind Wechselmatrizen Z 997736 erforderlich!
For tool delivery before 08/17, changeover template Z 997736 is required!

ANTRIEB Z 994591 • HANDSTANZEN
DRIVE Z 994591 • MANUAL PUNCHING TOOLS

ANTRIEB	DRIVE
Z 994591 VE = 1 Stück	PU = 1 piece

Antrieb für die nachfolgenden Handstanzen

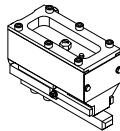
Drive for the following manual punching tools



FÜR ANTRIEB / FOR DRIVE Z 994591	HANDSTANZEN	MANUAL PUNCHING TOOLS
Z 994589	VE = 1 Stück	PU = 1 piece

Profile
Profiles

- B 813100
- B 813110
- B 813232
- B 813233
- B 813234
- B 813235
- B 806310
- B 806330
- B 806340
- B 806350



für Eckverbinder- und Stoßverbinder-Lochung
im Blendrahmenprofil - innen, für Kegelstifte

for drilling holes into corner connections and
T-brackets in the fixed frame profile - internal,
for conical pins

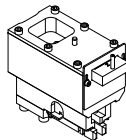


Für Werkzeuglieferung vor 08/17 sind Wechselmatrizen Z 997737 erforderlich!
For tool delivery before 08/17, changeover template Z 997737 is required!

Z 994590	VE = 1 Stück	PU = 1 piece
----------	--------------	--------------

Profile
Profiles

- B 813100
- B 813110
- B 813232
- B 813233
- B 813234
- B 813235
- B 806310
- B 806330
- B 806340
- B 806350



für Eckverbinder- und Stoßverbinder-Lochung
im Blendrahmenprofil - aussen, für Zylinderstifte

for drilling holes into corner connections and
T-brackets in the fixed frame profile - external,
for conical pins

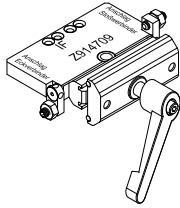
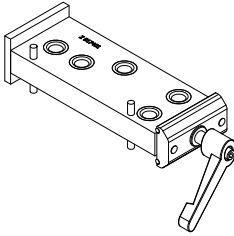
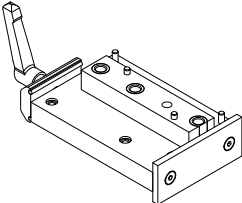
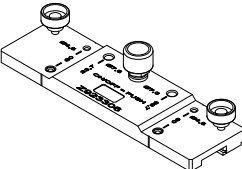



Für Werkzeuglieferung vor 08/17 sind Wechselmatrizen Z 997737 erforderlich!
For tool delivery before 08/17, changeover template Z 997737 is required!



Die o.g. Werkzeuge können alternativ zu den Werkzeugen für das Stanzgestell Z 981282 verwendet werden.
The a.m. tools can be used optionally to the punching tool Z 981282.

BOHRSCHABLONEN • STUFENBOHRER
DRILLING JIGS • MULTI-STEP DRILL

		BOHRSCHABLONEN	DRILLING JIGS
		Z 914709 VE = 1 Stück	PU = 1 piece
Profile Profiles		für Eck- und Stoßverbindung im Flügel und Sprossen	for corner and profile connection, T-joint in the sash and transom
B 813100			
B 813110			
B 813232			
B 813233			
B 813234			
B 813235			
B 806310			
B 806330			
B 806340			
B 806350			
		Z 917401 VE = 1 Stück	PU = 1 piece
Profile Profiles		für Rahmenverschraubung, alternativ zu Stanzwerkzeug Z 996519	for frame screwing, alternative to punching tool Z 996519
B 813010			
B 813021			
B 813080			
		Z 923131 VE = 1 Stück	PU = 1 piece
Profile Profiles		für Eck- und Stoßverbindung im Rahmenprofil	for corner and profile connection, T-joint in the fixed frame profile
B 813930			
		Z 923306 VE = 1 Stück	PU = 1 piece
Profile Profiles		für Sprossenverschraubung	for transom screw connection
B 813770			
		Z 914820 VE = 1 Stück	PU = 1 piece
		Stufenbohrer Ø 10,5 / Ø 5,5 mm für Bohrschablone Z 917401	Multi-step drill Ø 10,5 / Ø 5,5 mm for drilling jig Z 917401
		Z 923118 VE = 1 Stück	PU = 1 piece
		Stufenbohrer Ø 4,8 / Ø 9,0 mm für Bohrschablone Z 923131	Multi-step drill Ø 4.8 / Ø 9.0 mm for drilling jig Z 923131

HINWEIS

NOTE



Alle Bohrschablonen sind werkseitig auf ein theoretisches Bohrmaß eingestellt. Um zu überprüfen, ob die Vorspannung stimmt, muss vor dem ersten Einsatz eine Probebock angefertigt werden.

All drilling jigs are preset at a theoretic drilling space. In order to clarify whether the pre-tension is correct, a test corner has to be prepared before starting production.

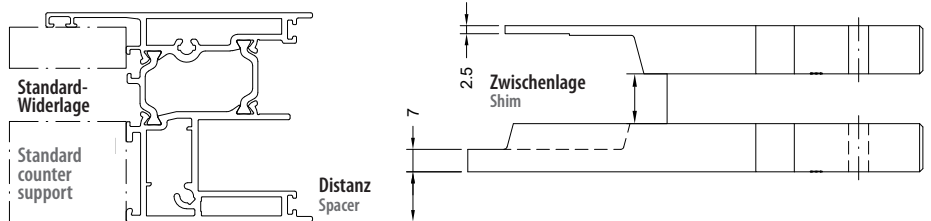
STANZMESSER UND ZWISCHENLAGEN FÜR PRESSTA 1800 / 2000 (PV 10)
PUNCHING KNIVES AND SHIMS FOR PRESSTA 1800 / 2000 (PV 10)

BLENDRAHMEN / SPROSSEN
FIXED FRAMES / TRANSOMS

Blendrahmen
Fixed frames

B 813232
B 813233

für einteilige Eckwinkel (verpressbar / stiftbar / nachträglich verklebbar)
for single-piece corner brackets (crimpable / nailable / retro gluing after assembly)

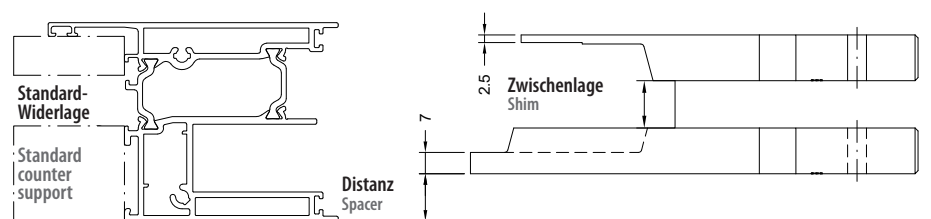


	Art. Nr. Art. no.	bestehend aus consisting of	Länge Length	Zwischenlage Shim	Distanz Spacer
Außen Outside	Z 997694	Z 923106 Z 923107	130 mm	Z 912370	15 mm
Innen Inside	Z 997695	Z 923108 Z 923109	141,6 mm		

Blendrahmen
Fixed frames

B 813234
B 813235

für einteilige Eckwinkel (verpressbar / stiftbar / nachträglich verklebbar)
for single-piece corner brackets (crimpable / nailable / retro gluing after assembly)



	Art. Nr. Art. no.	bestehend aus consisting of	Länge Length	Zwischenlage Shim	Distanz Spacer
Außen Outside	Z 997694	Z 923106 Z 923107	130 mm	Z 912370	15 mm
Innen Inside	Z 997696	Z 923110 Z 923111	146,6 mm		

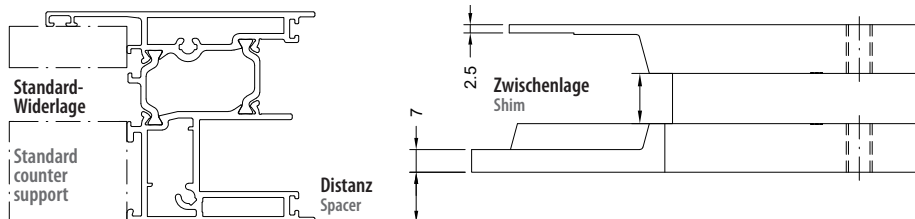
STANZMESSER UND ZWISCHENLAGEN FÜR ELUMATEC EP 124
PUNCHING KNIVES AND SHIMS FOR ELUMATEC EP 124

BLENDRAHMEN / SPROSSEN
FIXED FRAMES / TRANSOMS

Blendrahmen
Fixed frames

B 813232
B 813233

für einteilige Eckwinkel (verpressbar / stiftbar / nachträglich verklebbar)
for single-piece corner brackets (crimpable / nailable / retro gluing after assembly)

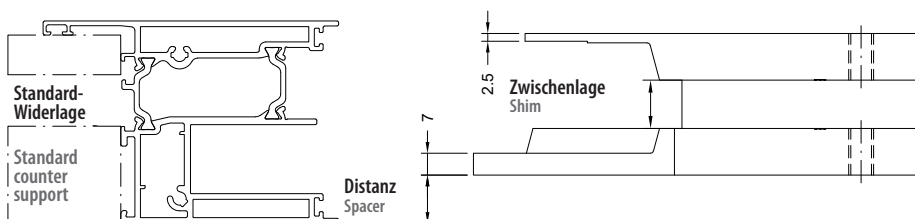


	Art. Nr. Art. no.	bestehend aus consisting of	Länge Length	Zwischenlage Shim	Distanz Spacer
Außen Outside	Z 997697	Z 923112 Z 923113	128 mm	Z 912370	15 mm
Innen Inside	Z 997698	Z 923114 Z 923115	139,6 mm		

Blendrahmen
Fixed frames

B 813234
B 813235

für einteilige Eckwinkel (verpressbar / stiftbar / nachträglich verklebbar)
for single-piece corner brackets (crimpable / nailable / retro gluing after assembly)



	Art. Nr. Art. no.	bestehend aus consisting of	Länge Length	Zwischenlage Shim	Distanz Spacer
Außen Outside	Z 997697	Z 923112 Z 923113	130 mm	Z 912370	15 mm
Innen Inside	Z 997699	Z 923116 Z 923117	144,6 mm		

SYSTEMUNABHÄNGIGE WERKZEUGE
SYSTEM-INDEPENDENT TOOLS

PNEUMATISCHE HANDPISTOLE		PNEUMATIC HAND PISTOL
Z 981703	VE = 1 Stück	PU = 1 piece



Pneumatische Handpistole zum Einbringen der Kegel- und Zylinderstifte

Pneumatic hand pistol for inserting the conical and cylindrical pins

EINSATZDORN		INSERT MANDREL
Z 911710	VE = 1 Stück	PU = 1 piece



Einsatzdorn für die Pneumatische Handpistole verwendbar für Eck- und Stoßverbindungen mit Zylinderstiften

Insert mandrel for the pneumatic hand pistol suitable for corner connections and T-joints with cylindrical pins

EINSCHLAGDORN		MANDREL
Z 911187	VE = 1 Stück	PU = 1 piece



Einschlagdorn für Eck- und Stoßverbindungen mit Zylinderstiften

Mandrel to drive in for corner connections and T-joints with cylindrical pins

ALU KEGELSTIFTE ALU TAPERED PINS			
Art. Nr. Art. no.	Innen Ø Internal Ø	Außen Ø External Ø	Länge Length
Z 900023	Ø 2.5 mm	Ø 7.5 mm	14.0 mm

ALU SPANNSTIFTE ALU ROLL PINS			
Art. Nr. Art. no.	Innen Ø Internal Ø	Außen Ø External Ø	Länge Length
Z 911049	Ø 2.5 mm	Ø 5.0 mm	13.0 mm
Z 911513	Ø 2.5 mm	Ø 5.0 mm	8.0 mm
Z 914351	Ø 2.5 mm	Ø 7.7 mm	8.5 mm
Z 914864	Ø 2.5 mm	Ø 5.1 mm	11.0 mm

DICHTUNGSSCHEREN

GASKET CUTTING SHEARS

Z 908439 VE = 1 Stück

PU = 1 piece



Dichtungsschere mit Klingen,
für die inneren Verglasungsdichtungen,
die Dichtungen können somit umlaufend
eingebracht werden

Gasket cutting shear including knives for
cutting internal glazing gaskets,
for continuous insertion of gaskets

Z 909912 VE = 1 Stück

PU = 1 piece



Dichtungsschere für Gehrungsschnitte,
Schneidlänge 55 mm, Anschläge für 45° und
Markierungen für 15°, 30° und 90°

Gasket cutting shear for mitre cut,
length of cut 55 mm, limit stop for 45° and
indications for 15°, 30° and 90°

Z 909913 VE = 1 Stück

PU = 1 piece



Dichtungsschere für Gehrungsschnitte,
Schneidlänge 85 mm, Anschläge für 45°

Gasket cutting shear for mitre cut,
length of cut 85 mm, limit stop for 45°

Y 778540 VE = 1 Stück






PU = 1 piece






Dichtungsschere für Gehrungsschnitte,
Markierungen für 45°, 60° und 90°

Gasket cutting shear for mitre cut,
indications for 45°, 60° and 90°

WERKZEUG • ALLGEMEIN
 TOOLS • GENERAL

INNENSECHSKANTSCHLÜSSEL		ALLEN KEY
	Z 922016 VE = 1 Stück Montagewerkzeug, Innensechskantschlüssel mit Kugelkopf 2.5 mm	PU = 1 piece Assembly tool, allen key with ball head 2.5 mm
	Z 907334 VE = 1 Stück Montagewerkzeug, Innensechskantschlüssel mit Kugelkopf 3 mm	PU = 1 piece Assembly tool, allen key with ball head 3 mm
	Z 922017 VE = 1 Stück Montagewerkzeug, Innensechskantschlüssel mit Kugelkopf 4 mm	PU = 1 piece Assembly tool, allen key with ball head 4 mm
	Z 922018 VE = 1 Stück Montagewerkzeug, Innensechskantschlüssel mit Kugelkopf 6 mm	PU = 1 piece Assembly tool, allen key with ball head 6 mm
SCHRAUBENDREHER		SCREWDRIVER
	Z 922014 VE = 1 Stück Montagewerkzeug Torx 15	PU = 1 piece Assembly tool Torx 15
	Z 922015 VE = 1 Stück Montagewerkzeug Torx 25	PU = 1 piece Assembly tool Torx 25

	INNENSECHSKANTSCHLÜSSEL	ALLEN KEY
	Z 902028 VE = 1 Stück Montagewerkzeug Innensechskantschlüssel 2.5 mm	PU = 1 piece Assembly tool allen key, 2.5 mm
	Z 907385 VE = 1 Stück Montagewerkzeug Innensechskantschlüssel 3 mm, geeignet für die Montage der Stoßverbinder	PU = 1 piece Assembly tool allen key, 3 mm, suitable for fitting T-brackets
	Z 908354 VE = 1 Stück Montagewerkzeug Innensechskantschlüssel 5 mm	PU = 1 piece Assembly tool allen key, 5 mm

ABDICHTEN / SEALING		Z 921371	Z 921366	Z 921384	Z 921385
Außen / Outside		Kleber Glue	Kleber Glue	Kleber Glue	Primer Primer
Art. Nr. / Art. no.	Folie / Foil	OT 015	SP 025	SP 340	AT 140
Z 922028	EPDM Folie ME 220 (300 mm) EPDM Foil ME 220 (300 mm)	•			
Z 921362	Folie ME 501 (300 mm) Foil ME 501 (300 mm)		•		•
Z 921363	Folie ME 501 (150 mm) Foil ME 501 (150 mm)		•		•
Z 921369	Folie ME 500 (100 mm) Foil ME 500 (100 mm)		•		•

ABDICHTEN / SEALING		Z 921371	Z 921366	Z 921384	Z 921385
Innen / Inside		Kleber Glue	Kleber Glue	Kleber Glue	Primer Primer
Art. Nr. / Art. no.	Folie / Foil	OT 015	SP 025	SP 340	AT 140
Z 921362	Folie ME 501 (300 mm) Foil ME 501 (300 mm)		•		•
Z 921363	Folie ME 501 (150 mm) Foil ME 501 (150 mm)		•		•
Z 921369	Folie ME 500 (100 mm) Foil ME 500 (100 mm)		•		•

HINWEIS

Kleber sind für bauübliche Untergründe wie Beton, Mauerwerk, Putz, Porenbeton und Ziegel geeignet.

NOTE

Glues are suitable for building substrates such as concrete, masonry, plaster, porous concrete and brick.

ZUSATZINFORMATION

Alle Angaben zu den Bauanschlüssen können nur allgemeine Hinweise sein. Wegen der außerhalb unseres Einflusses liegenden Verarbeitungs- und Anwendungsbedingungen und der Vielzahl der unterschiedlichen Materialien sind ausreichende Eigenversuche durchzuführen, um das Material auf seine Eignung in der jeweiligen Anwendung zu prüfen.

ADDITIONAL INFORMATION

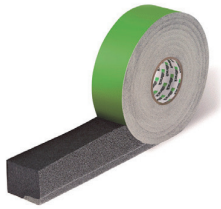
All information on the connections to the structure are only general advice. Because of which are beyond our influence and control conditions of use and the variety of different materials sufficient tests should be carried out to check the material for its suitability in each application.

ZUBEHÖR • DICHTBAND • FOLIEN
ACCESSORIES • FOAM TAPE • FOILS

DICHTBAND TP 652

Z 921707 VE = 1 Rolle

Breite 72 mm
Spaltmaß 8-15 mm
6 m / Rolle



FOAM TAPE TP 652

PU = 1 roll

Width 72 mm
Gap dimension 8 - 15 mm
6 m / roll

DICHTBAND TP 600

Z 921364 VE = 1 Rolle

Breite 20 mm
Spaltmaß 10-18 mm
4,5 m / Rolle



FOAM TAPE TP 600

PU = 1 roll

Width 20 mm
Gap dimension 10 - 18 mm
4,5 m / roll

Z 921365 VE = 1 Rolle

Breite 15 mm
Spaltmaß 5-10 mm
5,6 m / Rolle



PU = 1 roll

Width 15 mm
Gap dimension 5 - 10 mm
5,6 m / roll

VORLEGE BAND TP 553

Z 921368 VE = 1 Rolle

10 x 6 mm
10 m / Rolle



FOAM TAPE TP 553

PU = 1 roll

10 x 6 mm
10m / roll

FOLIE ME 500

Z 921369 VE = 1 Karton

100 mm mit Keder
für innen und außen
25 m / Karton



FOIL ME 500

PU = 1 Box

100 mm with an integrated movement pleat
for inside and outside
25 m / carton

FOLIE ME 501

Z 921363 VE = 1 Karton

150 mm mit 30 mm selbstklebend
für innen und außen
40 m / Karton



FOIL ME 501

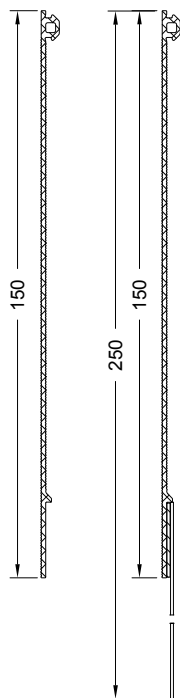
PU = 1 Box

150 mm with 30 mm self-adhesive
for inside and outside
40 m / carton

ZUBEHÖR • FOLIEN • EPDM-FOLIEN • FOLIENKLEBER • PRIMER • FENSTERSCHAUM
ACCESSORIES • FOILS • EPDM-FOILS • FOIL GLUE • PRIMER • WINDOW FOAM

	<p>FOLIE ME 501 Z 921362 VE = 1 Karton</p>	<p>FOIL ME 501 PU = 1 Box</p>
	<p>300 mm mit 30 mm selbstklebend für innen und außen 40 m / Karton</p>	<p>300 mm with 30 mm self-adhesive for inside and outside 40 m / carton</p>
	<p>EPDM FOLIE ME 220 Z 922028 VE = 1 Rolle</p>	<p>EPDM FOIL ME 220 PU = 1 roll</p>
	<p>1,2 x 300 mm Selbstklebe-Streifen 20 mm für außen, im erdnahen Bereich 25 m / Rolle</p>	<p>1,2 x 300 mm self-adhesive strip 20 mm for outside, in near-ground region 25 m / roll</p>
	<p>FOLIENKLEBER SP025 Z 921366 VE = 1 Stück</p>	<p>FOIL GLUE SP025 PU = 1 piece</p>
	<p>betongrau, 600 ml Folienkartusche</p>	<p>concrete gray, 600 ml foil cartridge</p>
	<p>EPDM - FOLIENKLEBER OT015 Z 921371 VE = 1 Stück</p>	<p>EPDM - FOIL GLUE OT015 PU = 1 piece</p>
	<p>schwarz, 600 ml Folienkartusche</p>	<p>black, 600 ml foil cartridge</p>
	<p>SOFORTHAFT - KLEBER SP340 Z 921384 VE = 20 Stück</p>	<p>IMMEDIATELY CONTACT GLUE SP340 PU = 20 pieces</p>
	<p>weiß, 600 ml Folienkartusche</p>	<p>white, 600 ml foil cartridge</p>
	<p>PRIMER AT140 Z 921385 VE = 6 Stück</p>	<p>PRIMER AT140 PU = 6 pieces</p>
	<p>500 ml Dose</p>	<p>500 ml tin</p>
	<p>FENSTERSCHAUM FM230 Z 921370 VE = 1 Stück</p>	<p>WINDOW FOAM FM230 PU = 1 piece</p>
	<p>750 ml Dose</p>	<p>750 ml tin</p>

MONTAGEZUBEHÖR
ASSEMBLY ACCESSORIES



DICHTBAND

Z 914529	VE = 50	Länge = 150 mm
Z 914530	VE = 50	Länge = 250 mm

Fensteranschluss
EPDM, schwarz
Zur Abdichtung von Wandanschlüssen

GASKET CORD

PU = 50	length = 150 mm
PU = 50	length = 250 mm

Window connection
EPDM, black
For sealing wall connections

MAUERANKER

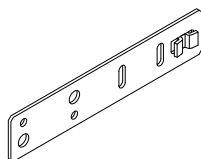
Z 911263	VE = 50 Stück
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Als Eindrehanke, verwendbar für alle Blendrahmen und Kämpfer-Profile mit Glasleistenaufnahme wandseitig

FIXING BRACKET

PU = 50 pieces

As twist-on anchor bracket, suitable for all fixed frames and transom profiles with nest for glassbead on the wall side



NUTENSTEIN

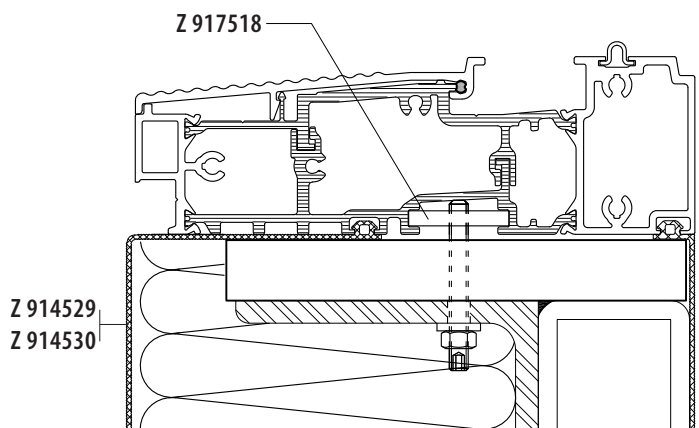
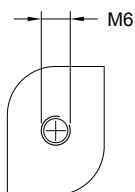
Z 917518	VE = 1 Stück
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Nutenstein zur Blendrahmenbefestigung, unten
t = 4 mm
für Profil B 813040 und B 813050

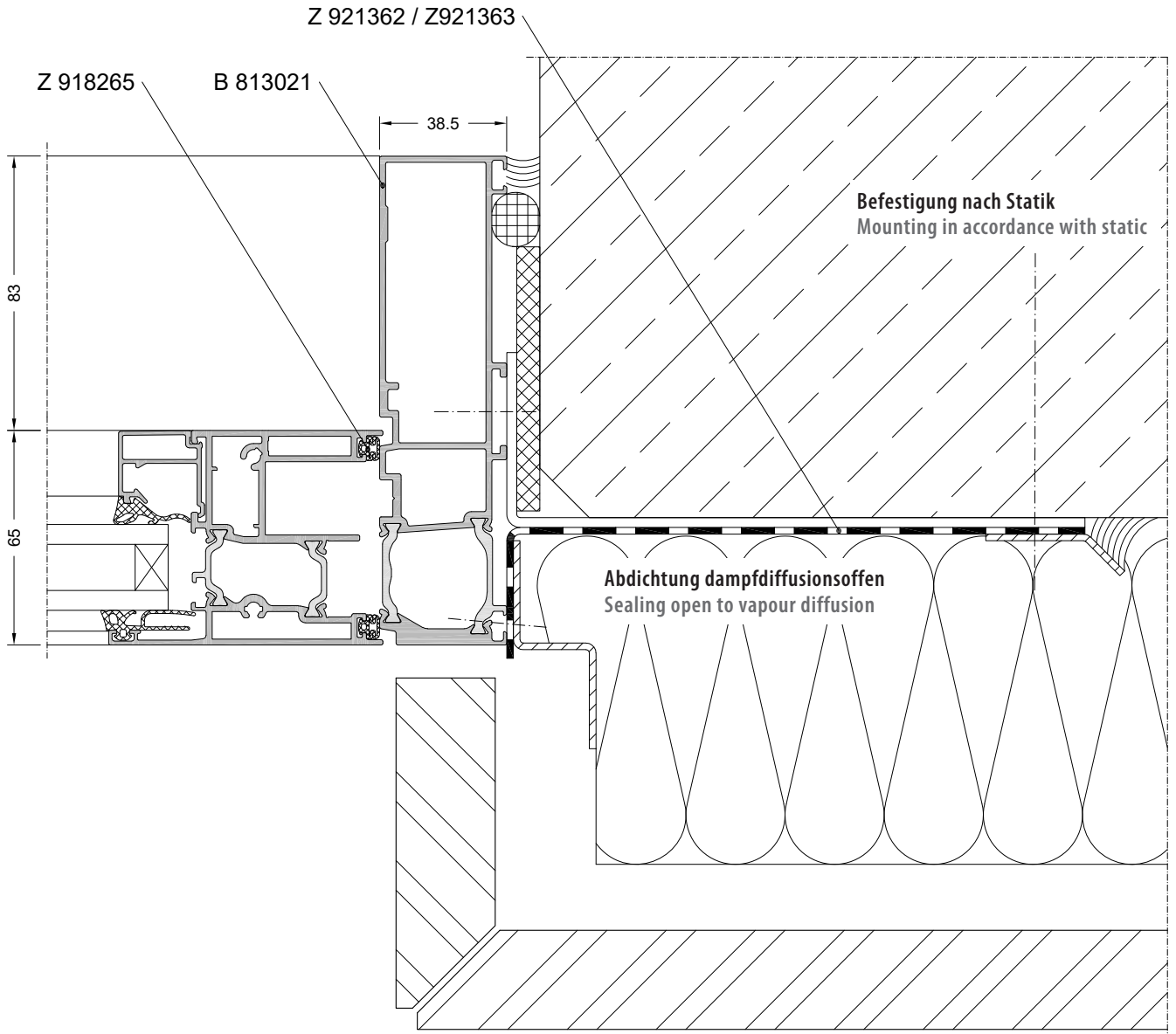
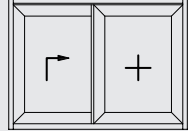
SLOT NUT

PU = 1 piece

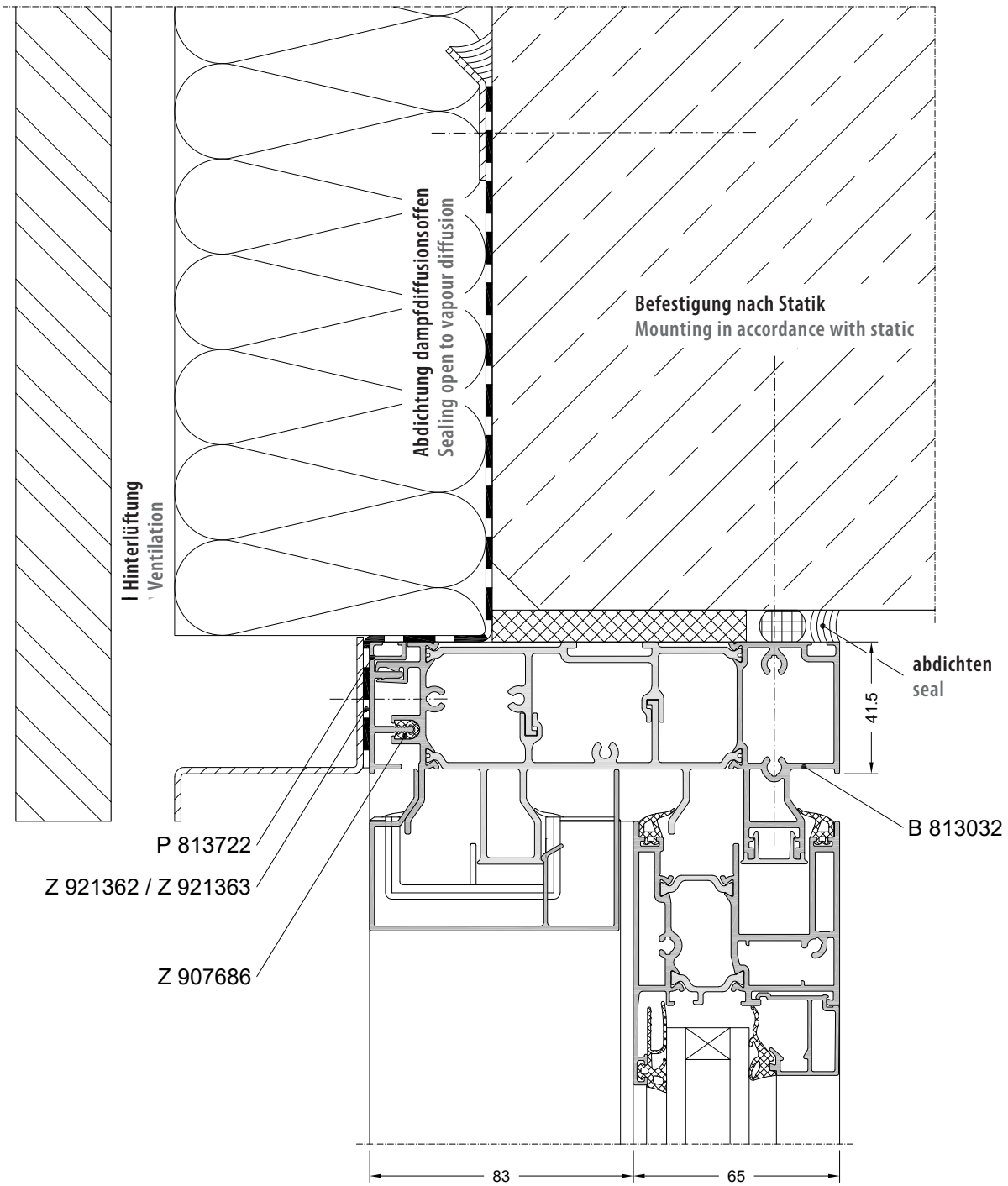
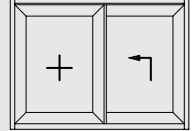
Slot nut for fixing the fixed frame, bottom
width = 4 mm
for profile B 813040 and B 813050



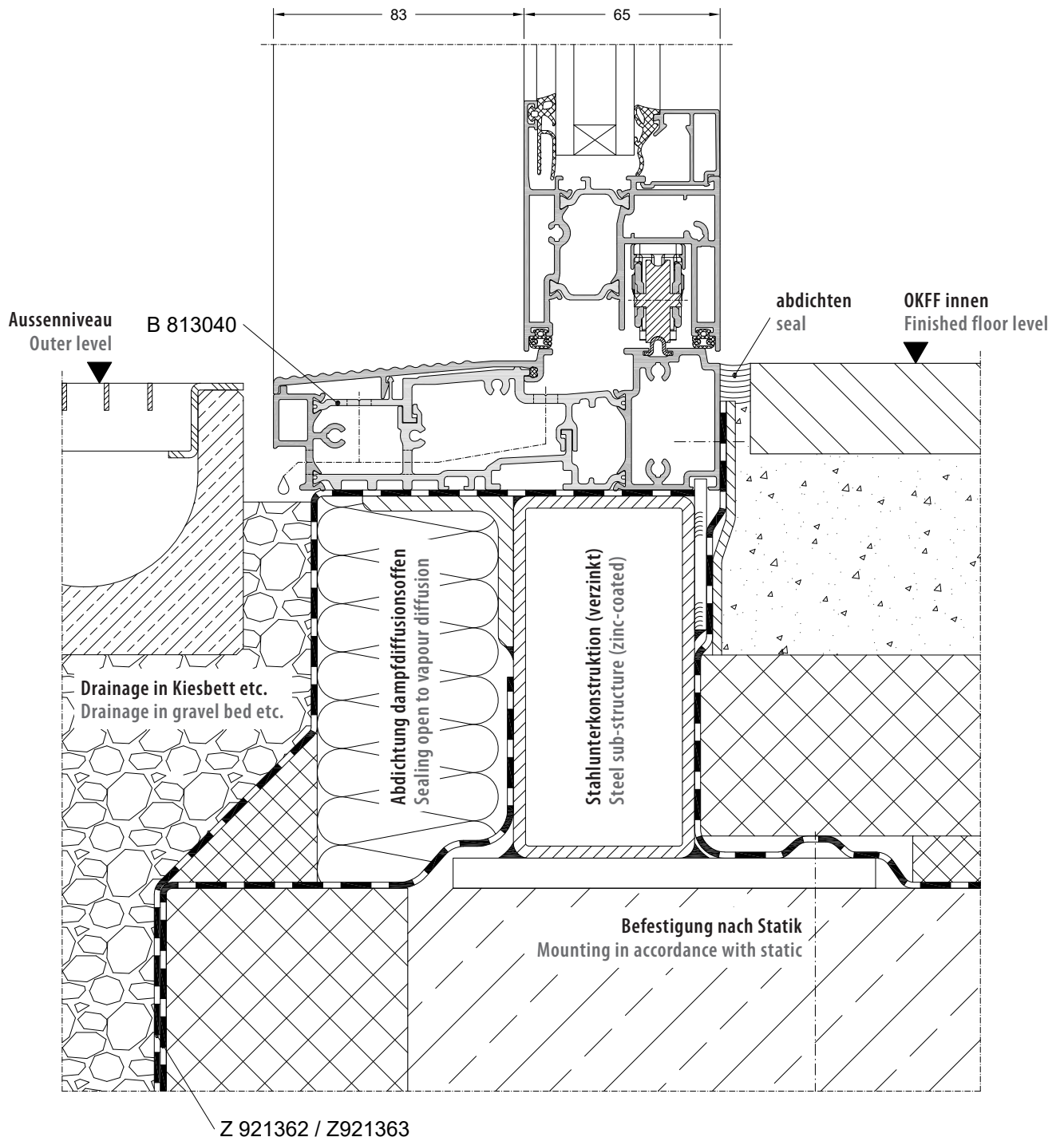
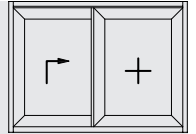
HORIZONTALSCHNITT • SEITLICHER WANDANSCHLUSS
HORIZONTAL SECTION • LATERAL WALL-CONNECTION



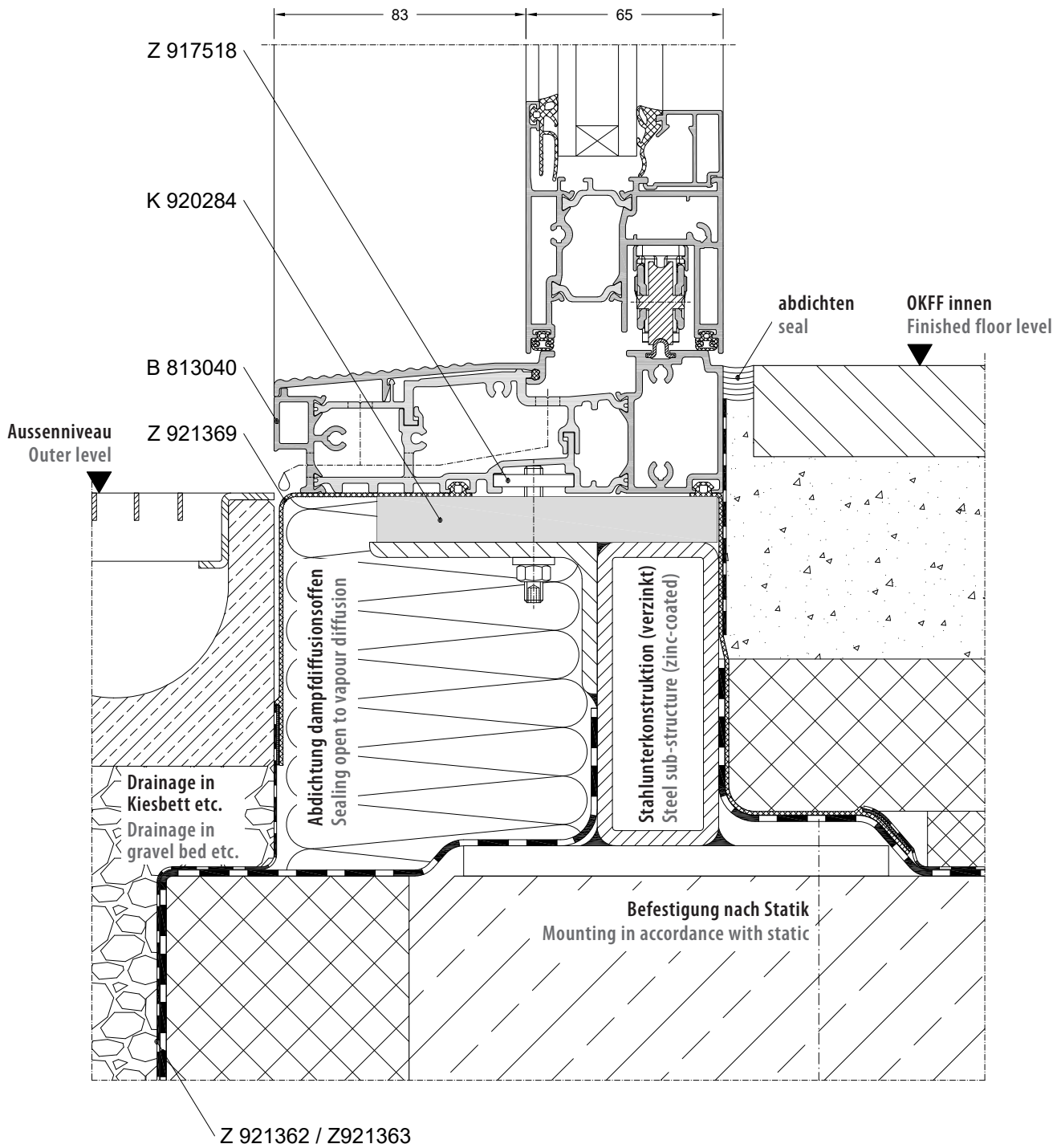
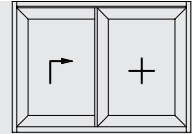
VERTIKALSCHNITT • OBERER WANDANSCHLUSS
VERTICAL SECTION • UPPER WALL-CONNECTION



VERTIKALSCHNITT • UNTERER WANDANSCHLUSS
 VERTICAL SECTION • LOWER WALL-CONNECTION



HORIZONTALSCHNITT • UNTERER WANDANSCHLUSS
HORIZONTAL SECTION • LOWER WALL-CONNECTION



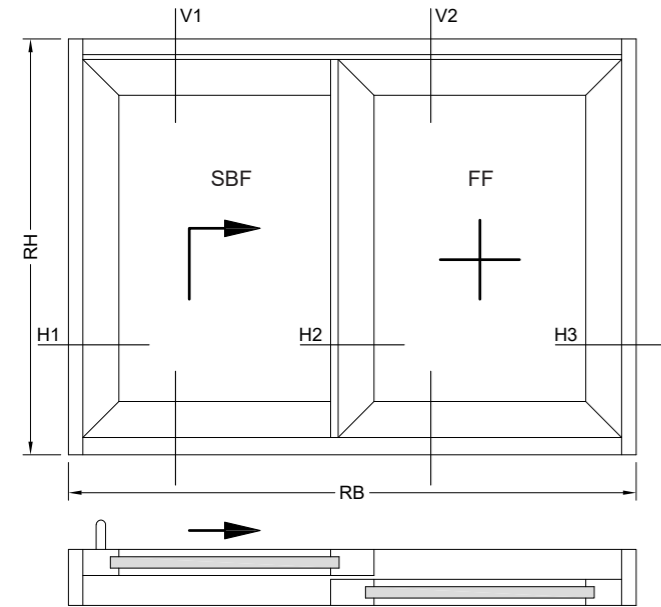
SCHEMA-ÜBERSICHT (ANSICHT VON AUSSEN) OVERVIEW OF SCHEMES (VIEW FROM THE OUTSIDE)										
Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description	Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
A1			2-spurige Anlage mit 2 Feldern Schiebeflügel links, Festflügel rechts Primärer Flügel nach links öffnend Double-tracked system with 2 fields Sliding sash left, fixed sash right Primary sash sliding to the left	MG1		Monorail mit 3 Feldern Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach links öffnend Monorail with 3 fields Sliding sash in the middle 1 fixed field left and right each Primary sash sliding to the left	MK		Monorail mit 3 Feldern Schiebeflügel links und rechts Festfeld mittig Primärer Flügel nach links und rechts öffnend Monorail with 3 fields Sliding sashes left and right Fixed field in the middle Primary sash sliding to the left and right	
A2			2-spurige Anlage mit 2 Feldern Schiebeflügel rechts, Festflügel links Primärer Flügel nach rechts öffnend Double-tracked system with 2 fields Sliding sash right, fixed sash left Primary sash sliding to the right	MG2		Monorail mit 3 Feldern Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach rechts öffnend Monorail with 3 fields Sliding sash in the middle 1 fixed field left and right each Primary sash sliding to the right	F1		2-spurige Anlage mit 4 Feldern 4 Schiebeflügel Primärer Flügel mittig nach links öffnend Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the left	
MA1			Monorail mit 2 Feldern Schiebeflügel links, Festfeld rechts Primärer Flügel nach links öffnend Monorail with 2 fields Sliding sash left, fixed field right Primary sash sliding to the left	C1		2-spurige Anlage mit 4 Feldern 2 Schiebeflügel mittig je 1 Festflügel links und rechts Primärer Flügel nach links öffnend Double-tracked system with 4 fields 2 sliding sashes in the middle 1 fixed sash left and right each Primary sash sliding to the left	F2		2-spurige Anlage mit 4 Feldern 4 Schiebeflügel Primärer Flügel mittig nach rechts öffnend Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the right	
MA2			Monorail mit 2 Feldern Schiebeflügel rechts, Festfeld links Primärer Flügel nach rechts öffnend Monorail with 2 fields Sliding sash right, fixed field left Primary sash sliding to the right	C2		2-spurige Anlage mit 4 Feldern 2 Schiebeflügel mittig je 1 Festflügel links und rechts Primärer Flügel nach rechts öffnend Double-tracked system with 4 fields 2 sliding sashes in the middle 1 fixed sash left and right each Primary sash sliding to the right				
D1			2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach links öffnend Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the left	MC1		Monorail mit 4 Feldern 2 Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach links öffnend Monorail with 4 fields 2 sliding sashes in the middle 1 fixed field left and right each Primary sash sliding to the left				
D2			2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach rechts öffnend Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the right	MC2		Monorail mit 4 Feldern 2 Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach rechts öffnend Monorail with 4 fields 2 sliding sashes in the middle 1 fixed field left and right each Primary sash sliding to the right				

Schema A1 / Scheme A1

(wie gezeichnet / as drawn)

2-spurige Anlage mit 2 Feldern
 Schiebeflügel links, Festflügel rechts
 Primärer Flügel nach links öffnend

Double-tracked system with 2 fields
 Sliding sash left, fixed sash right
 Primary sash sliding to the left



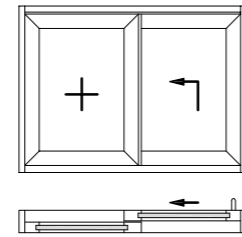
Ansicht von Aussen
 View from the outside

Schema A2 / Scheme A2

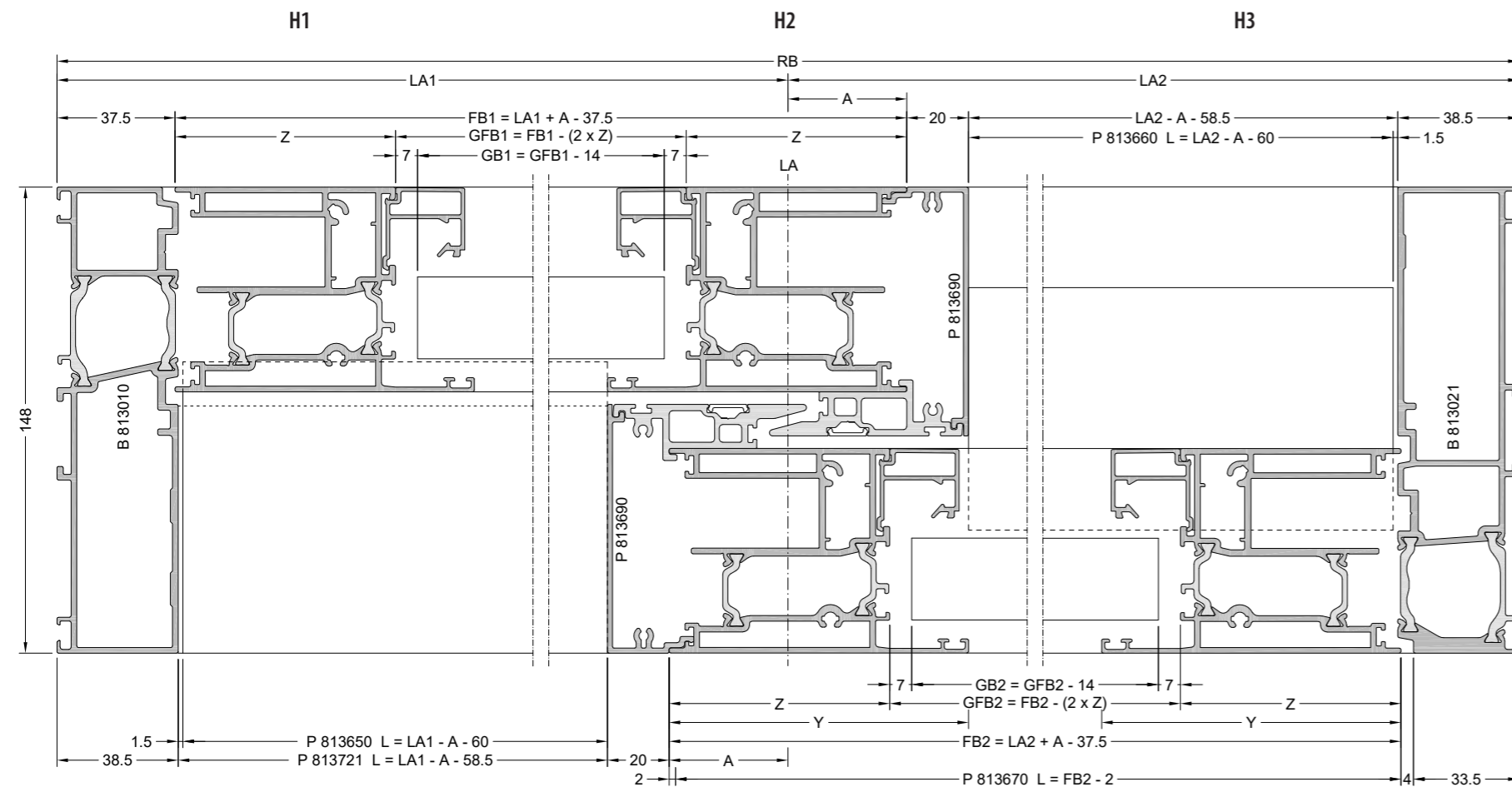
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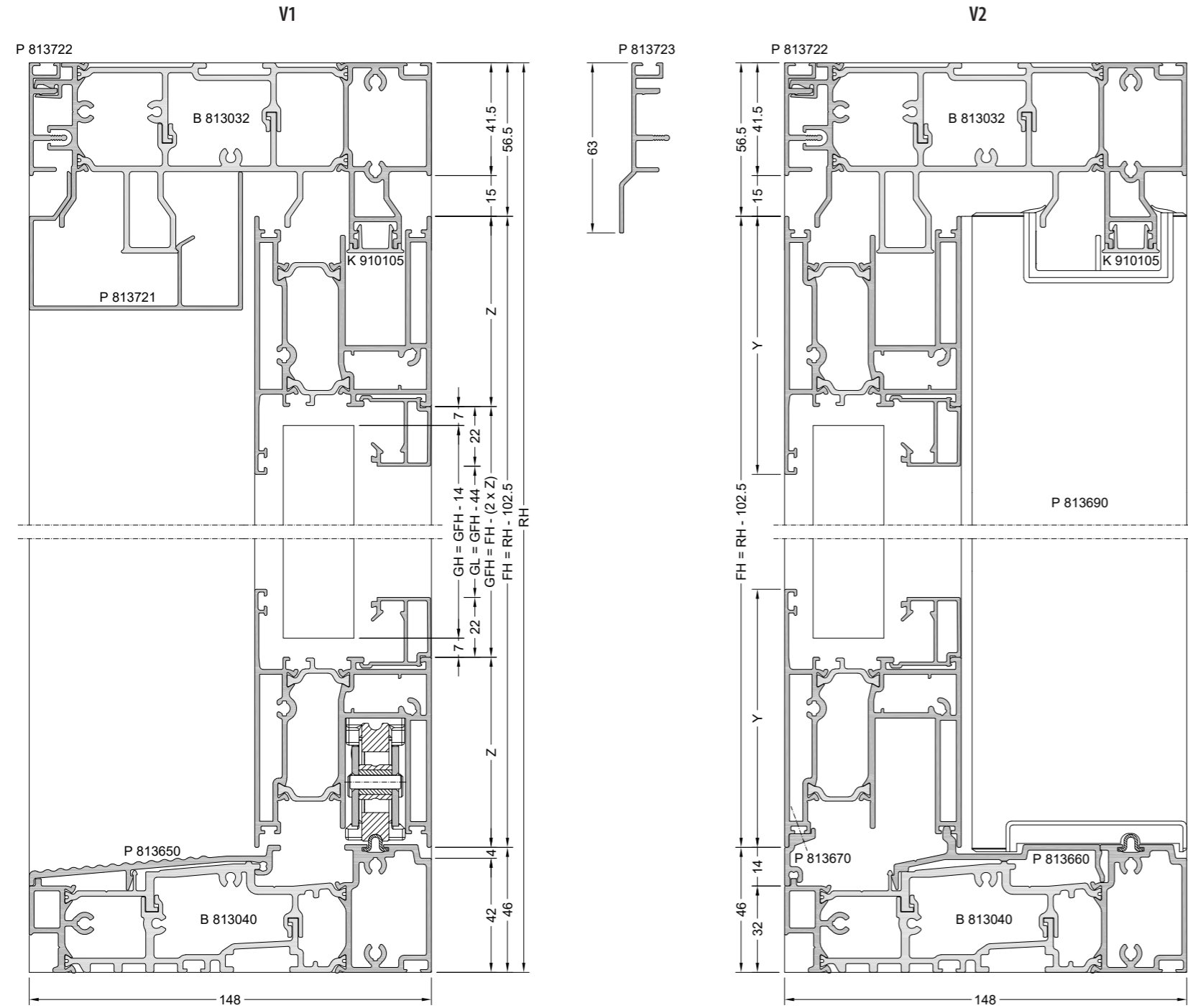
2-spurige Anlage mit 2 Feldern
 Schiebeflügel rechts, Festflügel links
 Primärer Flügel nach rechts öffnend

Double-tracked system with 2 fields
 Sliding sash right, fixed sash left
 Primary sash sliding to the right



Abkürzungen Short cuts			
... a	außen (Festfeld) external (Fixed field)	GH	Glashöhe Glass height
... i	innen (Schiebeflügel) internal (Sliding sash)	GL	Glasleiste Glazing bead
AM	Achsmaß Axial dimension	L	Länge Length
FB	Flügelbreite / Feldbreite Sash width / Field width	LA	Labyrinth Achse Labyrinth axis
FF	Festflügel / Festfeld Fixed sash / Fixed field	PF	Primärer Flügel Primary sash
FH	Flügelhöhe / Feldhöhe Sash height / Field height	RB	Rahmenbreite Frame width
GB	Glasbreite Glass width	RH	Rahmenhöhe Frame height
GFB	Glasfalzbreite Glazing rebate width	SBF	Schiebeflügel Sliding sash
GFH	Glasfalzhöhe Glazing rebate height	SF	Sekundärer Flügel Secondary sash





Schiebeflügel Sliding sash	Y	Z	A	Verbund Composite	Labyrinthprofil Labyrinth profile
B 813232 *	83	58	31.5	schubfest shear-proof	K 910153
B 813233 *	83	58	31.5	schubweich flexible	K 910153
B 813234 **	95	70	37.5	schubfest shear-proof	K 910154
B 813235 **	95	70	37.5	schubweich flexible	K 910154

Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Blendrahmen Fixed frame	B 813010	links / left	= RH	90° + 90°	1
		B 813021	rechts / right	= RH		1
		B 813032	oben / top	= RB - 80		1
		B 813040	unten / bottom	= RB - 80		1
	Abdeckprofil Cover profile	P 813722	oben, außen top, external	= RB - 80		1
	Abdeckprofil Cover profile	P 813723	oben, außen top, external	= RB		1
	Abdeckprofil Cover profile	P 813721	oben, außen top, external	= LA1 - A - 58.5	90° + 90°	1
	Abdeckprofil, Kunststoff Cover profile, plastic	K 910105	oben, innen top, internal	= RB - 80		1
	Schwellenprofil Threshold profile	P 813650	unten, außen bottom, external	= LA1 - A - 60		1
	Schwellenprofil Threshold profile	P 813660	unten, innen bottom, internal	= LA2 - A - 60		1
	Laufschiene Roller rail	P 917260	unten, innen bottom, internal	= RB - 80		1
	Schiebeflügel Sliding sash	B 813232 / 33 *	oben und unten top and bottom	FB1 = LA1 + A - 37.5	45° + 45°	2
		B 813234 / 35 **		FB2 = LA2 + A - 37.5		2
		B 813232 / 33 *	seitlich / lateral	= RH - 102.5		4
		B 813234 / 35 **		= RH - 102.5		2
	Abdeckprofil Cover profile	P 813690	seitlich / lateral	= RH - 102.5		1
	Zusatzprofil Supplementary profile	P 813670	unten, außen bottom, external	= FB2 - 2		1
	Labyrinthprofil, Schiebeflügel Labyrinth profile, sliding sash	K 910153 *	Labyrinth / Labyrinth	SBF L = RH - 109.5	90° + 90°	1
	Labyrinthprofil, Schiebeflügel Labyrinth profile, sliding sash	K 910154 **		FF L = RH - 102.5		1
	Glasleiste, Breite Glazing bead, width	SBF + FF	oben und unten top and bottom	GL1 = GFB1 GL2 = GFB2		2
	Glasleiste, Höhe Glazing bead, height	SBF + FF	seitlich / lateral	= GFH - 44		4
	Glasbreite / Glass width		SBF + FF	GB1 = GFB1 - 14 GB2 = GFB2 - 14		
	Glashöhe / Glass height		SBF + FF	GH = GFH - 14		

* Flügelgewicht bis 250 kg
Leaf weight up to 250 kg

** Flügelgewicht bis 330 / 440 kg
Leaf weight up to 330 / 440 kg

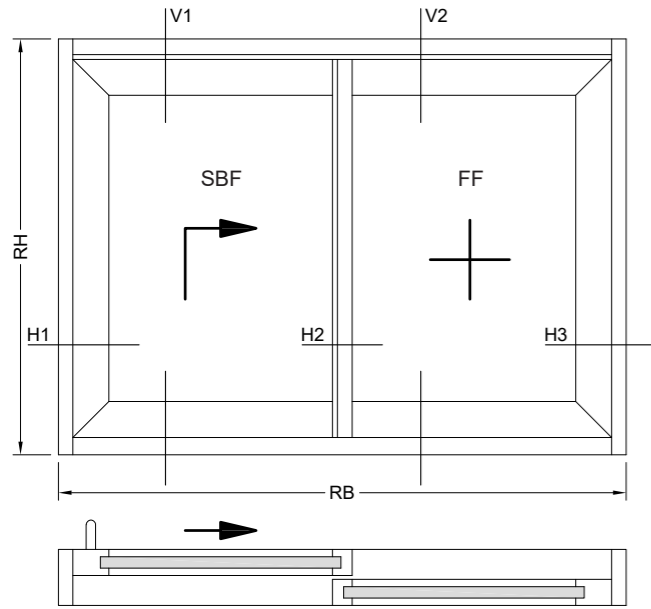


Schema A1 / Scheme A1

(wie gezeichnet / as drawn)

2-spurige Anlage mit 2 Feldern
 Schiebeflügel links, Festflügel rechts
 Primärer Flügel nach links öffnend

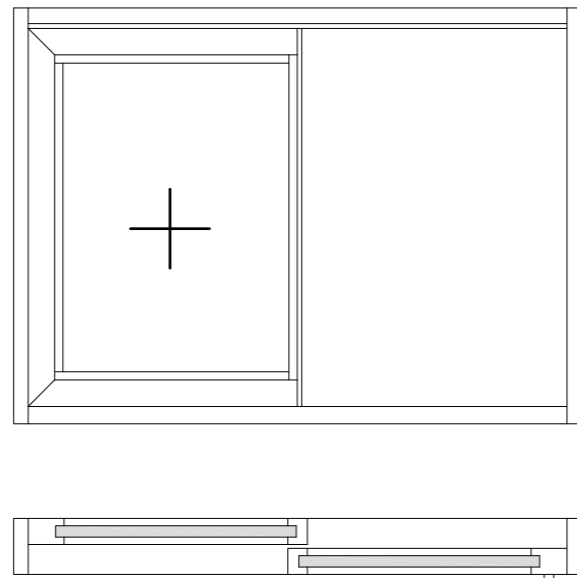
Double-tracked system with 2 fields
 Sliding sash left, fixed sash right
 Primary sash sliding to the left



Ansicht von Aussen
 View from the outside



Glasleistenaufteilung Festflügel
 Glazing beads layout fixed sash



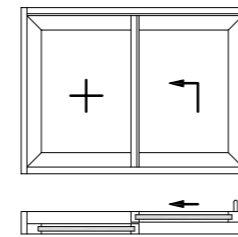
Ansicht von Innen (Schiebeflügel ausgeblendet)
 View from the inside (sliding sash faded out)

Schema A2 / Scheme A2

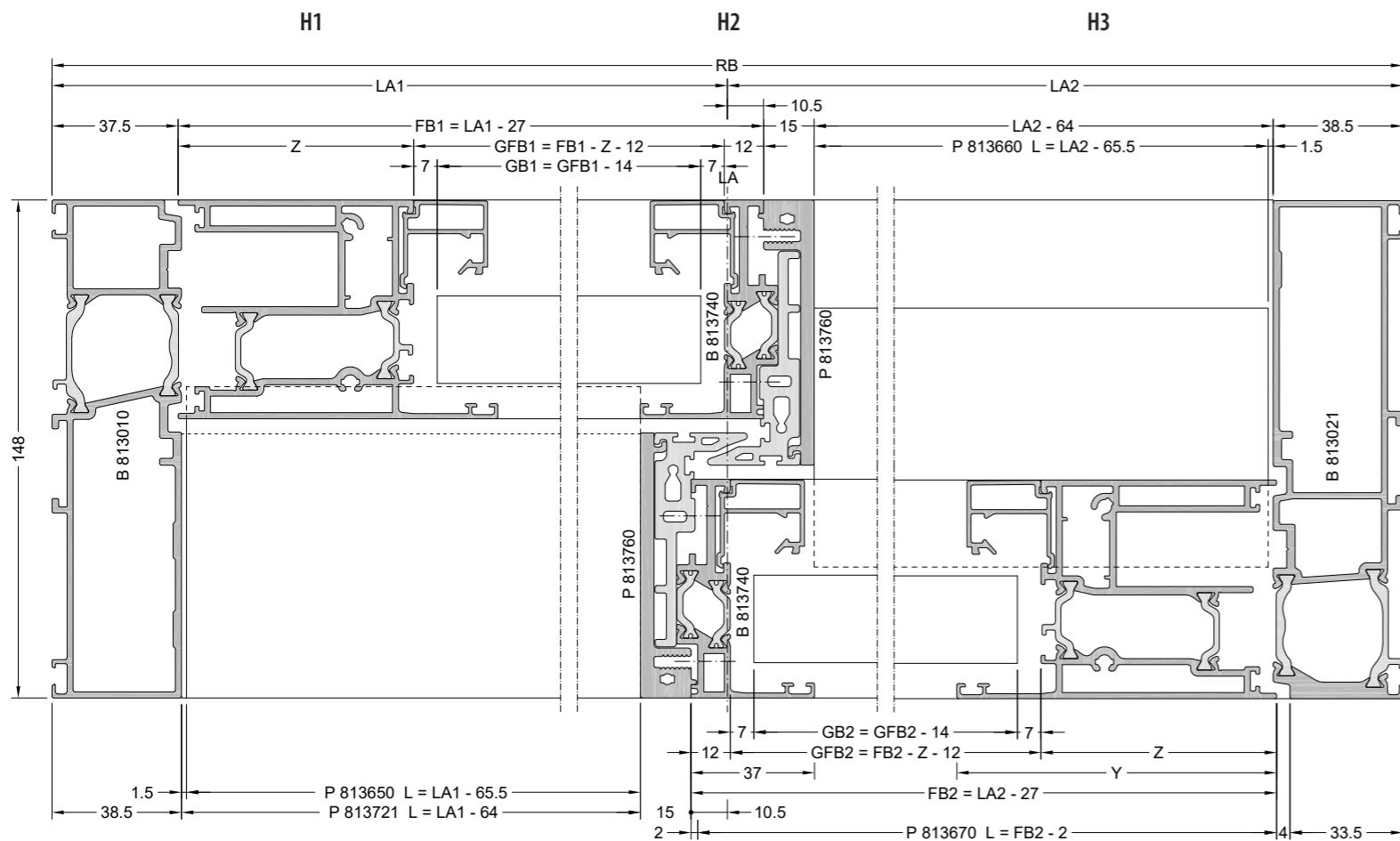
(spiegelbildlich / mirror image)

2-spurige Anlage mit 2 Feldern
 Schiebeflügel rechts, Festflügel links
 Primärer Flügel nach rechts öffnend

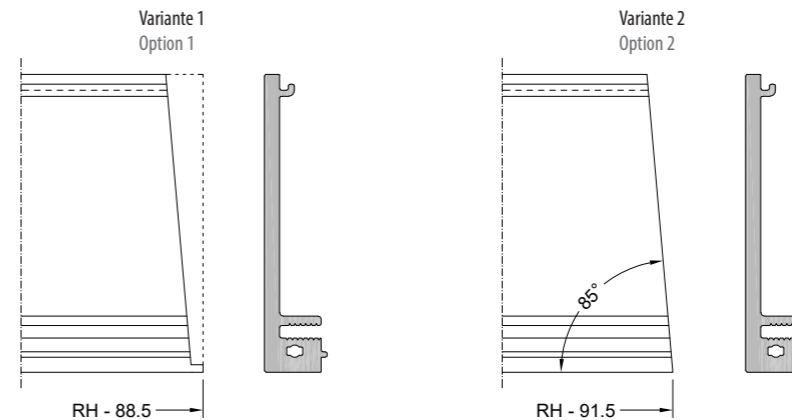
Double-tracked system with 2 fields
 Sliding sash right, fixed sash left
 Primary sash sliding to the right

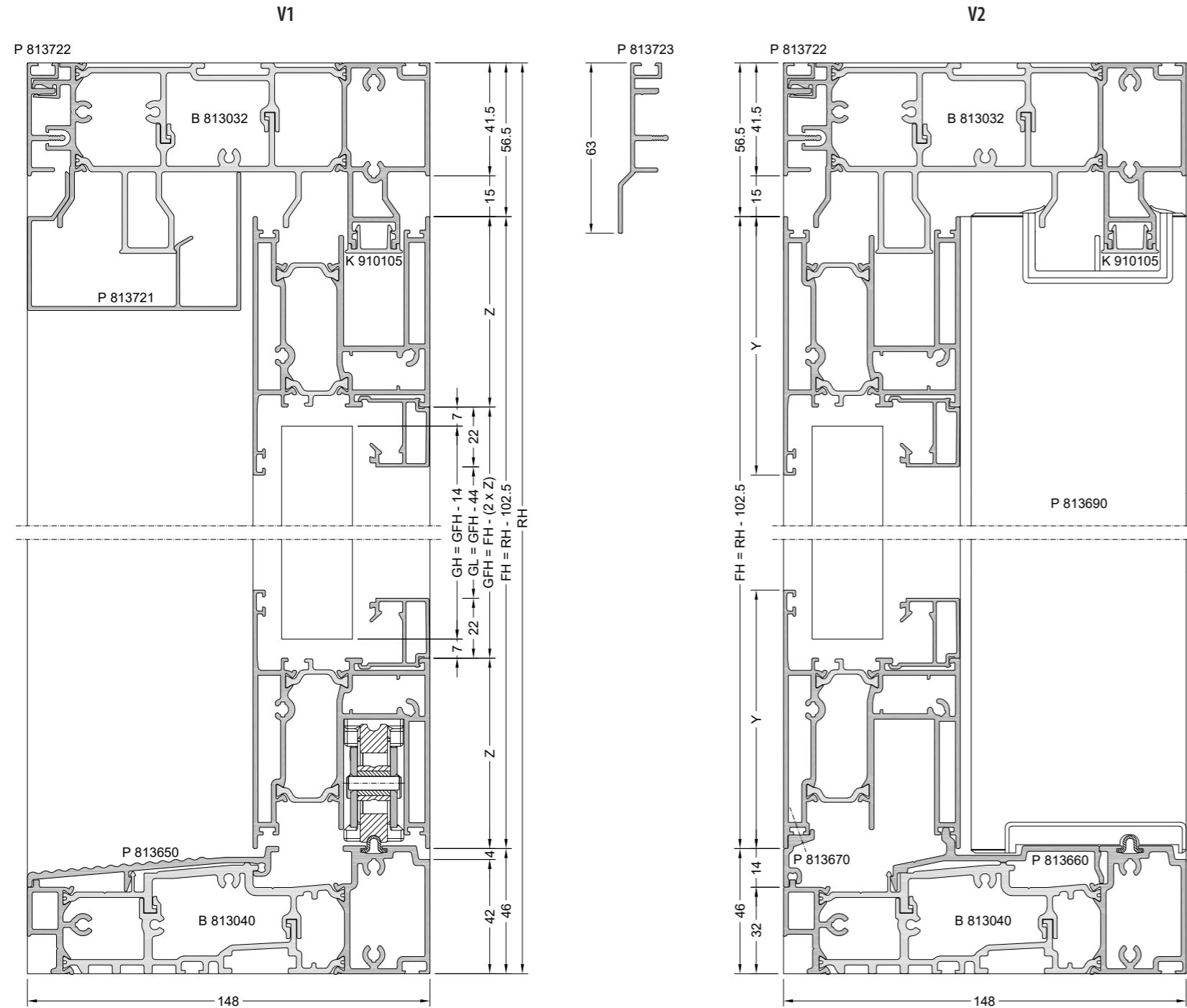


Abkürzungen Short cuts			
... a	außen (Festfeld) external (Fixed field)	GH	Glashöhe Glass height
... i	innen (Schiebeflügel) internal (Sliding sash)	GL	Glasleiste Glazing bead
AM	Achsmaß Axial dimension	L	Länge Length
FB	Flügelbreite / Feldbreite Sash width / Field width	LA	Labyrinth Achse Labyrinth axis
FF	Festflügel / Festfeld Fixed sash / Fixed field	PF	Primärer Flügel Primary sash
FH	Flügelhöhe / Feldhöhe Sash height / Field height	RB	Rahmenbreite Frame width
GB	Glasbreite Glass width	RH	Rahmenhöhe Frame height
GFB	Glasfalzbreite Glazing rebate width	SBF	Schiebeflügel Sliding sash
GFH	Glasfalzhöhe Glazing rebate height	SF	Sekundärer Flügel Secondary sash



Zuschnittvarianten für Abdeckprofil P 813760 Festflügel
 Cutting options for cover profile P 813760 fixed sash





Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Blendrahmen Fixed frame	B 813010	links / left	= RH	90° + 90°	1
		B 813021	rechts / right	= RH		1
		B 813032	oben / top	= RB - 80		1
		B 813040	unten / bottom	= RB - 80		1
	Abdeckprofil Cover profile	P 813722	oben, außen top, external	= RB - 80		1
	Abdeckprofil Cover profile	P 813723	oben, außen top, external	= RB		1
	Abdeckprofil Cover profile	P 813721	oben, außen top, external	= LA1 - 64		1
	Abdeckprofil, Kunststoff Cover profile, plastic	K 910105	oben, innen top, internal	= RB - 80		1
	Schwellenprofil Threshold profile	P 813650	unten, außen bottom, external	= LA1 - 65.5		1
	Schwellenprofil Threshold profile	P 813660	unten, innen bottom, internal	= LA2 - 65.5		1
	Laufschiene Roller rail	P 917260	unten, innen bottom, internal	= RB - 80		1
	Schiebeflügel Sliding sash	B 813232 / 33 *	oben und unten top and bottom	L1 = FB1 - 12	45° + 90°	2
		B 813234 / 35 **		L2 = FB2 - 12	45° + 90°	2
		B 813232 / 33 *	seitlich / lateral	= RH - 102.5	45° + 45°	2
		B 813234 / 35 **		= RH - 102.5		2 (1 ***)
	(B 813750 ***)	seitlich / lateral	= RH - 102.5	90° + 90°	(1 ***)	
	Abdeckprofil SBF Cover profile SBF	P 813760	seitlich / lateral	= RH - 102.5	90° + 85°	1
	Abdeckprofil FF Variante 1 Cover profile FF Option 1			= RH - 88.5		1
	Abdeckprofil FF Variante 2 Cover profile FF Option 2			= RH - 91.5		1
	Zusatzprofil Supplementary profile	P 813670	unten, außen bottom, external	= FB2 - 2		1
	Labyrinthprofil Labyrinth profile	K 910150	Labyrinth / Labyrinth FF	= RH - 102.5		1
			Labyrinth / Labyrinth SBF	= RH - 109.5		1
	Glasleiste, Breite Glazing bead, width	SBF Labyrinth mit B 813740 SBF Labyrinth w. B 813740	oben und unten top and bottom	= GFB1		2
			seitlich / lateral	= GFH - 44	90° + 90°	2
	Glasleiste, Höhe Glazing bead, height	SBF Labyrinth mit B 813750 SBF Labyrinth w. B 813750	oben und unten top and bottom	= GFB1 - 22		2
			seitlich / lateral	= GFH - 44		1
			seitlich / lateral	= GFH		1

Flügelprofil Sash profile	Y	Z	Verbund Composite
B 813232 *	83	58	schubfest shear-proof
B 813233 *	83	58	schubweich flexible
B 813234 **	95	70	schubfest shear-proof
B 813235 **	95	70	schubweich flexible

Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Glasleiste, Breite Glazing bead, width	FF Labyrinth mit B 813740 FF Labyrinth w. B 813740	oben und unten top and bottom	= GFB2 - 22	90° + 90°	2
	Glasleiste, Höhe Glazing bead, height		seitlich / lateral	= GFH - 44		1
	Glasleiste, Höhe Glazing bead, height		seitlich / lateral	= GFH		1
	Glasbreite / Glass width		SBF + FF	GB1 = GFB1 - 14 GB2 = GFB2 - 14		
	Glashöhe / Glass height		SBF + FF	GH = GFH - 14		

* Flügelgewicht bis 250 kg
Leaf weight up to 250 kg

** Flügelgewicht bis 330 / 440 kg
Leaf weight up to 330 / 440 kg

*** nach statischen Erfordernissen
According to static requirements

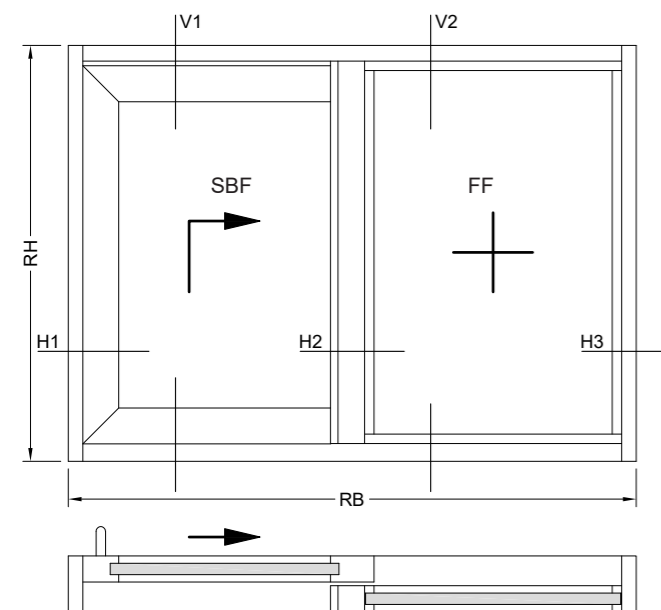


Schema MA1 / Scheme MA1

(wie gezeichnet / as drawn)

Monorail mit 2 Feldern
 Schiebeflügel links, Festfeld rechts
 Primärer Flügel nach links öffnend

Monorail with 2 fields
 Sliding sash left, fixed field right
 Primary sash sliding to the left



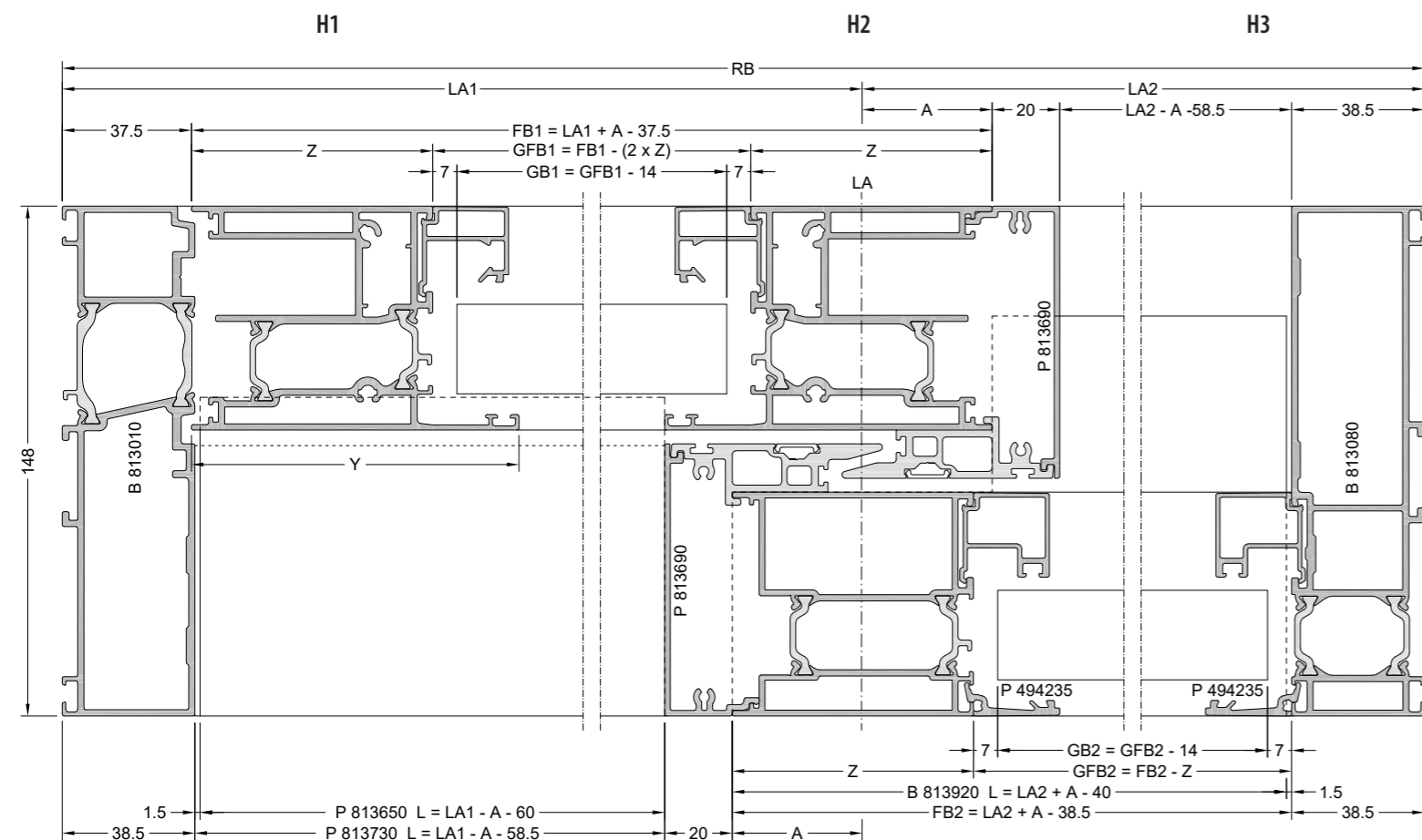
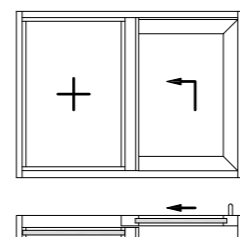
Ansicht von Aussen
 View from the outside

Schema MA2 / Scheme MA2

(spiegelbildlich / mirror image)

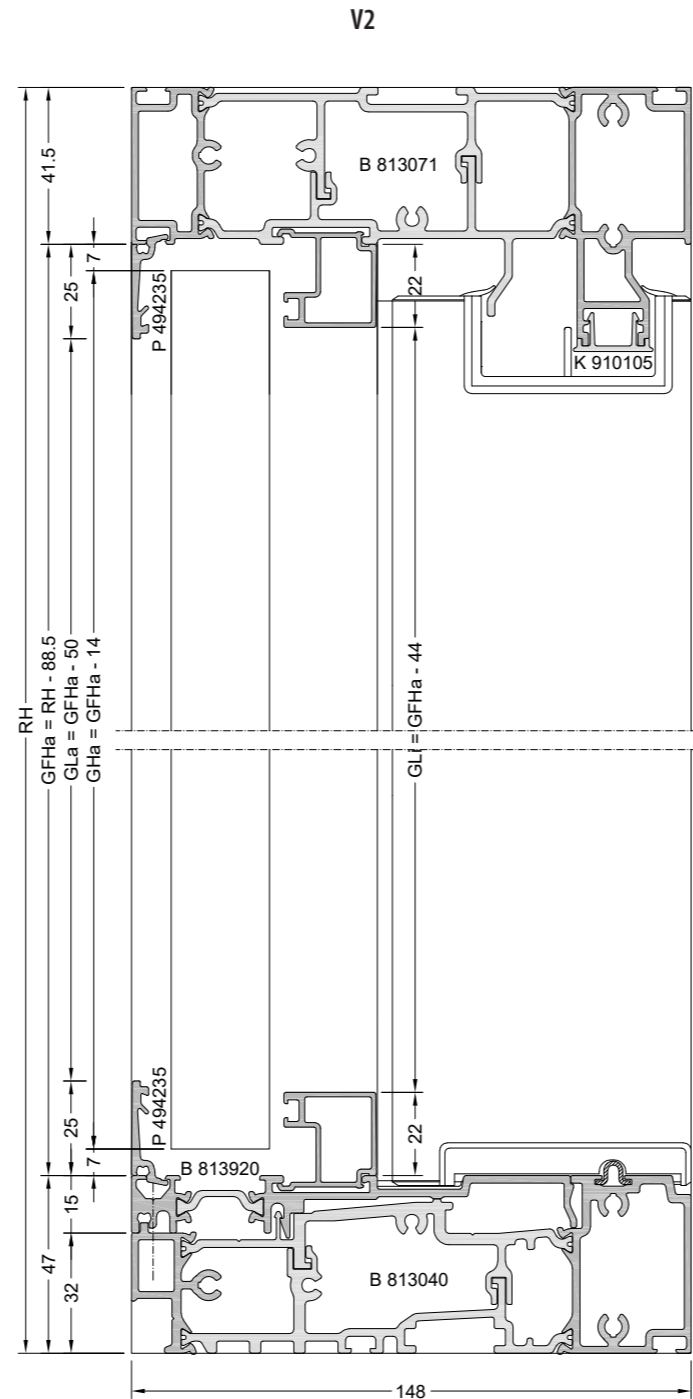
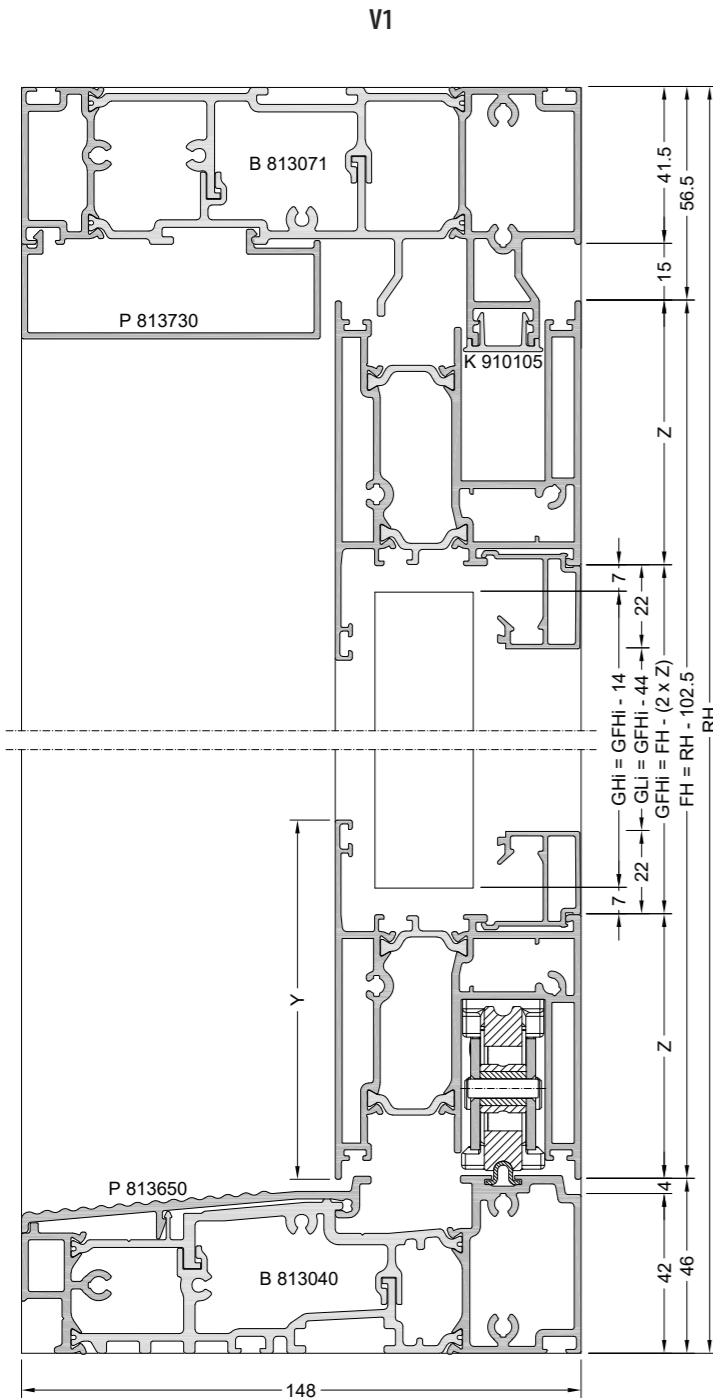
Monorail mit 2 Feldern
 Schiebeflügel rechts, Festfeld links
 Primärer Flügel nach rechts öffnend

Monorail with 2 fields
 Sliding sash right, fixed field left
 Primary sash sliding to the right



Abkürzungen Short cuts			
... a	außen (Festfeld) external (Fixed field)	GH	Glashöhe Glass height
... i	innen (Schiebeflügel) internal (Sliding sash)	GL	Glasleiste Glazing bead
AM	Achsmaß Axial dimension	L	Länge Length
FB	Flügelbreite / Feldbreite Sash width / Field width	LA	Labyrinth Achse Labyrinth axis
FF	Festflügel / Festfeld Fixed sash / Fixed field	PF	Primärer Flügel Primary sash
FH	Flügelhöhe / Feldhöhe Sash height / Field height	RB	Rahmenbreite Frame width
GB	Glasbreite Glass width	RH	Rahmenhöhe Frame height
GFB	Glasfalzbreite Glazing rebate width	SBF	Schiebeflügel Sliding sash
GFH	Glasfalzhöhe Glazing rebate height	SF	Sekundärer Flügel Secondary sash





Flügelprofil Sash profile	Y	Z	A	Verbund Composite	Sprosse Transom profile	Z	A	Labyrinthprofil Labyrinth profile
B 813232 *	83	58	31.5	schubfest shear-proof	B 813100 *	50	31	K 910153
B 813233 *	83	58	31.5	schubweich flexible				
B 813234 **	95	70	37.5	schubfest shear-proof	B 813110 **	70	38	K 910154
B 813235 **	95	70	37.5	schubweich flexible				

Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Blendrahmen Fixed frame	B 813010	links / left	= RH	90° + 90°	1
		B 813080	rechts / right	= RH		1
		B 813071	oben / top	= RB - 80		1
		B 813040	unten / bottom	= RB - 80		1
	Sprosse Transom profile	B 813100 * / 110 **		= RH - 88.5		1
	Abdeckprofil Cover profile	P 813730	oben, außen top, external	= LA1 - A - 58.5		1
	Abdeckprofil Cover profile	P 813690	seitlich / lateral	= RH - 88.5		1
	Abdeckprofil, Kunststoff Cover profile, plastic	K 910105	oben, innen top, internal	= RB - 80	90° + 90°	1
	Schwellenprofil Threshold profile	P 813650	unten, außen bottom, external	= LA1 - A - 60		1
	Schwellenprofil Threshold profile	B 813920	unten, außen bottom, external	= LA2 + A - 40		1
	Laufschiene Roller rail	P 917260	unten, innen bottom, internal	= RB - 80		1
	Glasleiste, Breite Glazing bead, width	P 494235	oben und unten, außen top and bottom, external	= GFB2		2
	Glasleiste, Höhe Glazing bead, height	P 494235	seitlich, außen lateral, external	= GFHa - 50		2
	Schiebeflügel Sliding sash	B 813232 / 33 *	oben und unten top and bottom	= LA1 + A - 37.5	45° + 45°	2
		B 813234 / 35 **				
		B 813232 / 33 *	seitlich / lateral	= RH - 102.5		2
		B 813234 / 35 **				
	Abdeckprofil Cover profile	P 813690	seitlich / lateral	= RH - 102.5		1
	Labyrinthprofil, Schiebeflügel Labyrinth profile, sliding sash	K 910153 *	Labyrinth / Labyrinth SBF Labyrinth / Labyrinth FF	= RH - 109.5		1
	Labyrinthprofil, Schiebeflügel Labyrinth profile, sliding sash	K 910154 **		= RH - 88.5		1
	Glasleiste, Breite Glazing bead, width	SBF	oben und unten top and bottom	= FB1 - (2 x Z)	90° + 90°	2
				Glasleiste, Höhe Glazing bead, height		SBF	= GFHi - 44	2
	Glasleiste, Breite Glazing bead, width	FF	oben und unten, innen top and bottom, internal	= GFB2		2
				Glasleiste, Höhe Glazing bead, height	FF	= GFHa - 44	2
	Glasbreite / Glass width		SBF	GB1 = GFB1 - 14		
	Glashöhe / Glass height			GHi = GFHi - 14		
	Glasbreite / Glass width		FF	GB2 = GFB2 - 14		
	Glashöhe / Glass height			GHa = GFHa - 14		

* Flügelgewicht bis 250 kg
Leaf weight up to 250 kg

** Flügelgewicht bis 330 / 440 kg
Leaf weight up to 330 / 440 kg

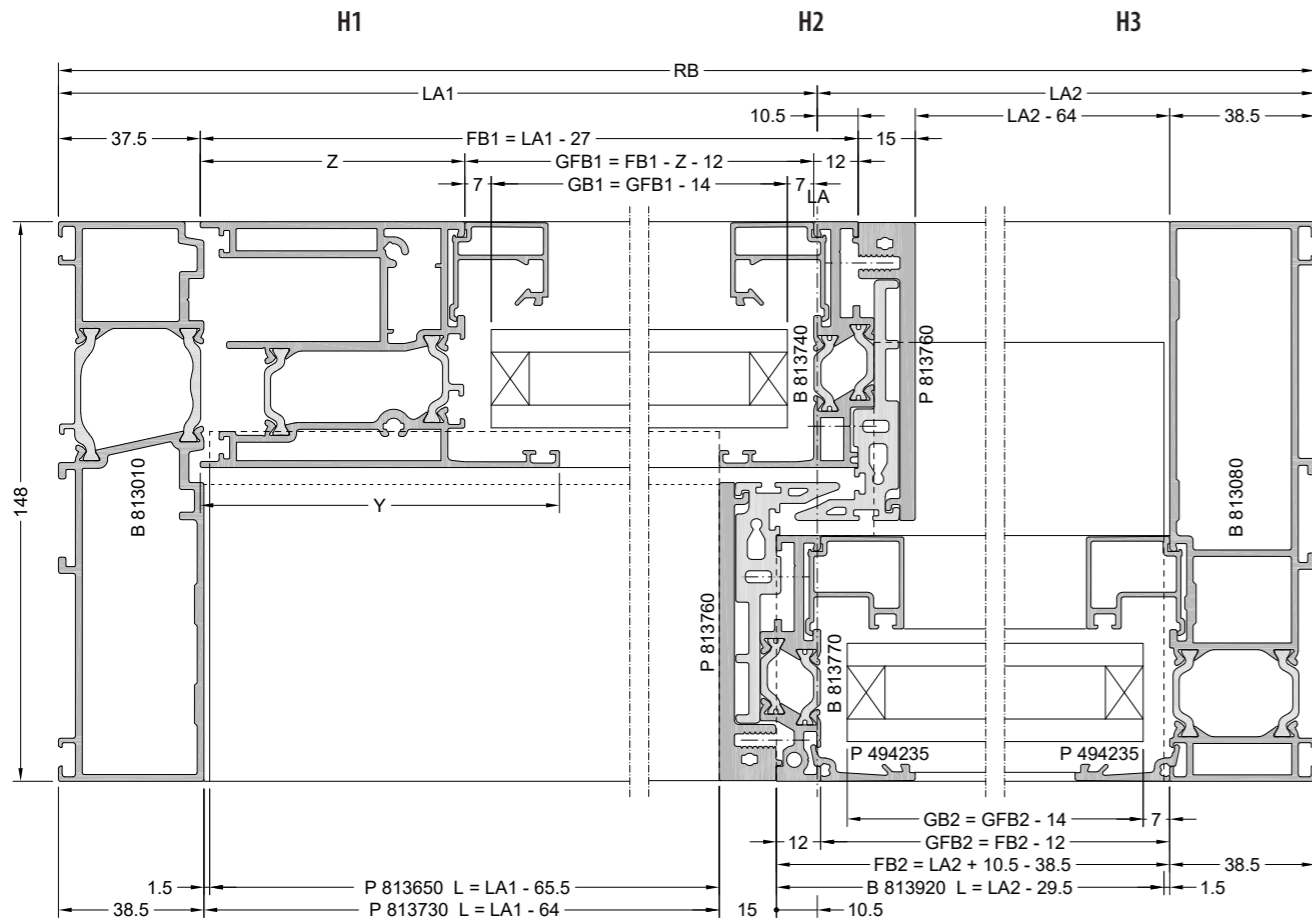
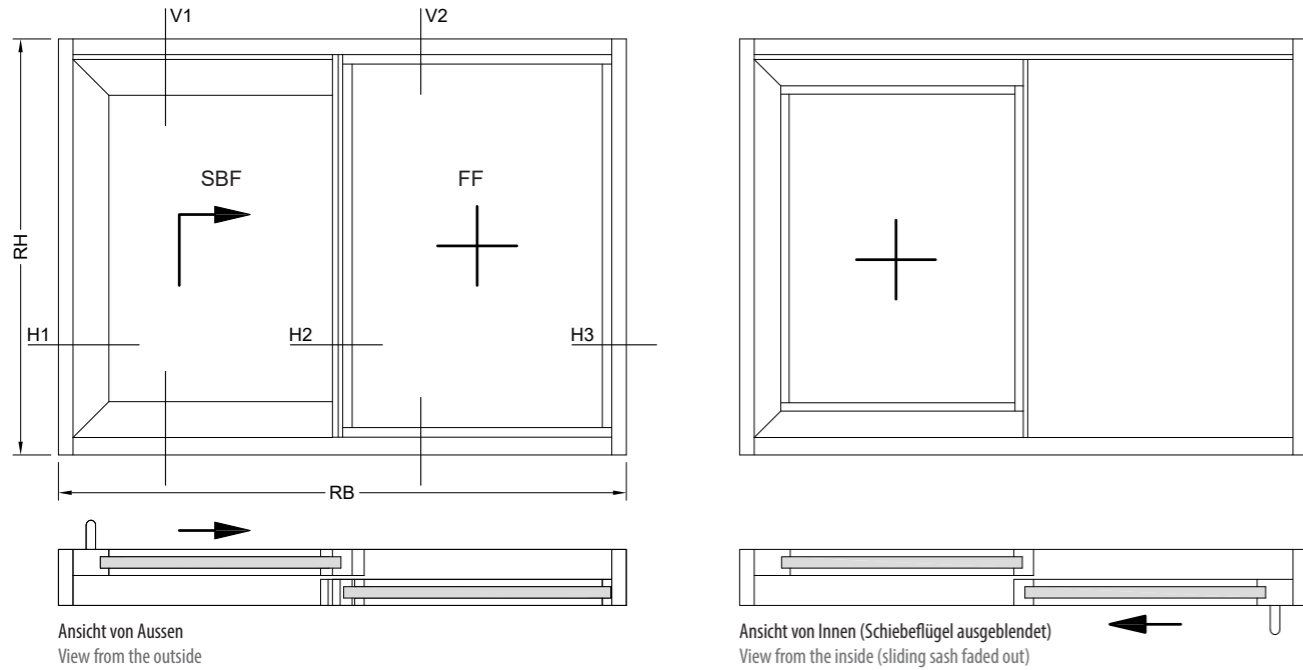
Schema MA1 / Scheme MA1

(wie gezeichnet / as drawn)

Monorail mit 2 Feldern
 Schiebeflügel links, Festfeld rechts
 Primärer Flügel nach links öffnend

Monorail with 2 fields
 Sliding sash left, fixed field right
 Primary sash sliding to the left

 Glasleistenaufteilung Festfeld
 Glazing beads layout fixed field

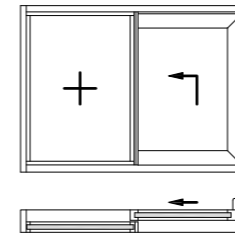


Schema MA2 / Scheme MA2

(spiegelbildlich / mirror image)

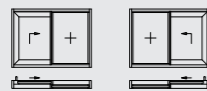
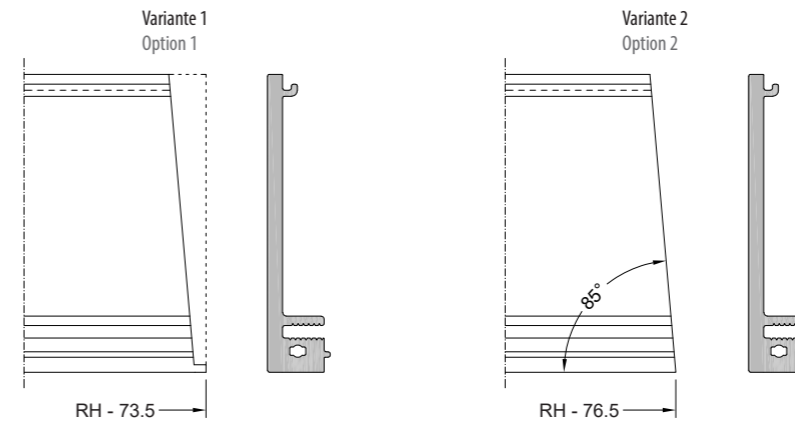
Monorail mit 2 Feldern
 Schiebeflügel rechts, Festfeld links
 Primärer Flügel nach rechts öffnend

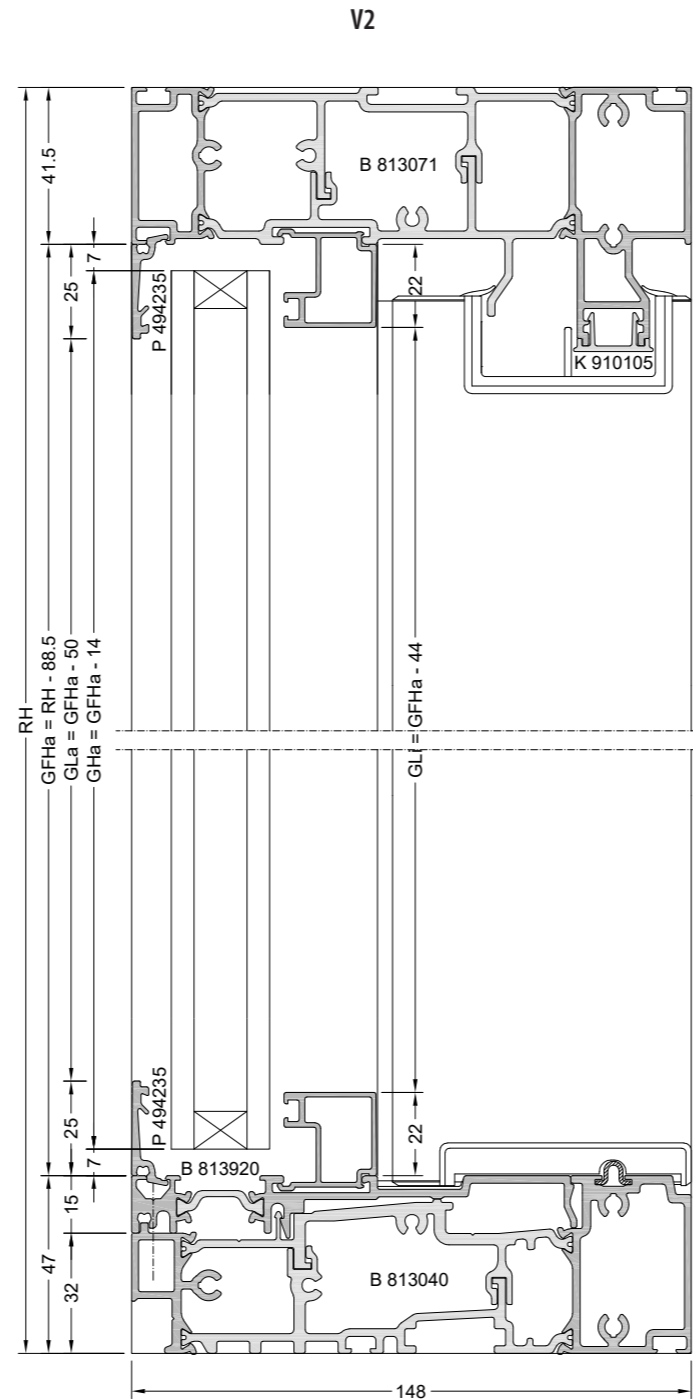
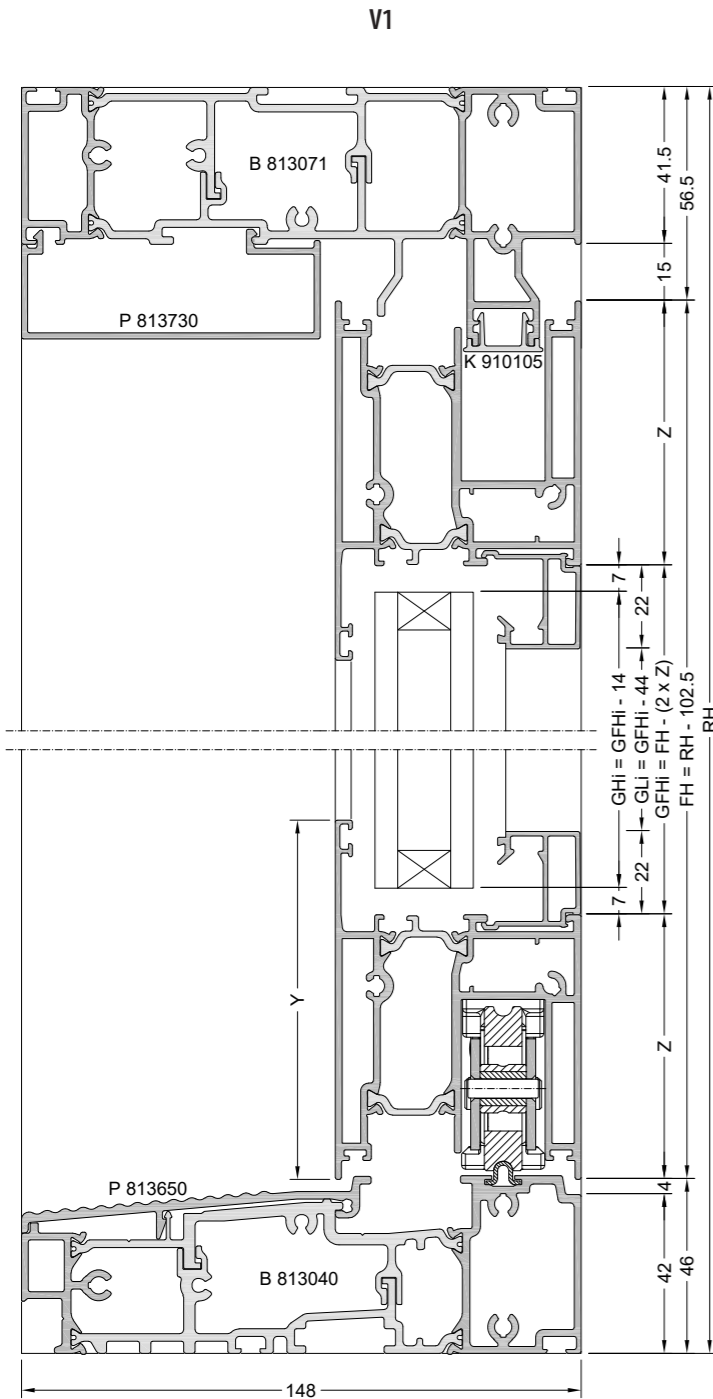
Monorail with 2 fields
 Sliding sash right, fixed field left
 Primary sash sliding to the right



Abkürzungen Short cuts			
... a	außen (Festfeld) external (Fixed field)	GH	Glashöhe Glass height
... i	innen (Schiebeflügel) internal (Sliding sash)	GL	Glasleiste Glazing bead
AM	Achsmaß Axial dimension	L	Länge Length
FB	Flügelbreite / Feldbreite Sash width / Field width	LA	Labyrinth Achse Labyrinth axis
FF	Festflügel / Festfeld Fixed sash / Fixed field	PF	Primärer Flügel Primary sash
FH	Flügelhöhe / Feldhöhe Sash height / Field height	RB	Rahmenbreite Frame width
GB	Glasbreite Glass width	RH	Rahmenhöhe Frame height
GFB	Glasfalzbreite Glazing rebate width	SBF	Schiebeflügel Sliding sash
GFH	Glasfalzhöhe Glazing rebate height	SF	Sekundärer Flügel Secondary sash

 Zuschnittvarianten für Abdeckprofil P 813760 Festflügel
 Cutting options for cover profile P 813760 fixed sash





Flügelprofil Sash profile	Y	Z	Verbund Composite
B 813232 *	83	58	schubfest shear-proof
B 813233 *	83	58	schubweich flexible
B 813234 **	95	70	schubfest shear-proof
B 813235 **	95	70	schubweich flexible

Bezeichnung Designation	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm
Glasbreite / Glass width	SBF	GB1 = GFB1 - 14
Glashöhe / Glass height		GHi = GFHi - 14
Glasbreite / Glass width	FF	GB2 = GFB2 - 14
Glashöhe / Glass height		GHa = GFHa - 14

Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Blendrahmen Fixed frame	B 813010	links / left	= RH	90° + 90°	1
		B 813080	rechts / right	= RH		1
		B 813071	oben / top	= RB - 80		1
		B 813040	unten / bottom	= RB - 80		1
	Sprosse Transom profile	B 813770		= RH - 88.5		1
	Abdeckprofil FF Variante 1 Cover profile FF Option 1	P 813760	seitlich / lateral	= RH - 73.5	90° + 85°	1
				Abdeckprofil FF Variante 2 Cover profile FF Option 2			= RH - 76.5
	Labyrinthprofil FF Labyrinth profile FF	K 910150	Labyrinth / Labyrinth	= RH - 88.5		1
	Abdeckprofil Cover profile	P 813730	oben, außen top, external	= LA1 - 64		1
	Abdeckprofil, Kunststoff Cover profile, plastic	K 910105	oben, innen top, internal	= RB - 80		1
	Schwellenprofil Threshold profile	P 813650	unten, außen bottom, external	= LA1 - 65.5	90° + 90°	1
	Schwellenprofil Threshold profile	B 813920	unten, außen bottom, external	= LA2 + 10.5 - 40		1
	Laufschiene Roller rail	P 917260	unten, innen bottom, internal	= RB - 80		1
	Glasleiste, Breite Glazing bead, width	P 494235	oben und unten, außen top and bottom, external	= GFB2		2
	Glasleiste, Höhe Glazing bead, height	P 494235	seitlich, außen lateral, external	= GFHa - 50		2
	Schiebeflügel Sliding sash	B 813232 / 33 *	oben und unten top and bottom	= FB1 - 12	45° + 90°	2
		B 813234 / 35 **		2		
		B 813232 / 33 *	seitlich / lateral	= RH - 102.5	45° + 45°	1
		B 813234 / 35 **		1		
	B 813740	seitlich / lateral	= RH - 102.5		1***	
	(B 813750 ***)	seitlich / lateral	= RH - 102.5		(1***)	
	Abdeckprofil SBF Cover profile SBF	P 813760	seitlich / lateral	= RH - 102.5		1
	Labyrinthprofil SBF Labyrinth profile SBF	K 910150	Labyrinth / Labyrinth	= RH - 109.5	90° + 90°	1
	Glasleiste, Breite Glazing bead, width	SBF	oben und unten top and bottom	= GFB1		2
				Glasleiste, Höhe Glazing bead, height	SBF	seitlich / lateral	= GFHi - 44	2
	Glasleiste, Breite Glazing bead, width	FF	oben und unten, innen top and bottom, internal	= GFB2		2
				Glasleiste, Höhe Glazing bead, height	FF	seitlich, innen lateral, internal	= GFHa - 44	2

* Flügelgewicht bis 250 kg
Leaf weight up to 250 kg

** Flügelgewicht bis 330 / 440 kg
Leaf weight up to 330 / 440 kg

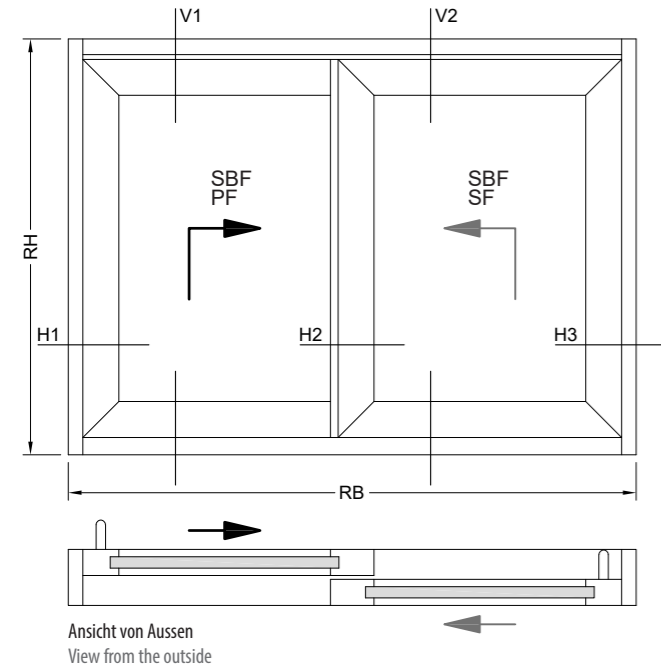
*** nach statischen Erfordernissen
According to static requirements

Schema D1 / Scheme D1

(wie gezeichnet / as drawn)

2-spurige Anlage mit 2 Feldern
 Schiebeflügel links, Schiebeflügel rechts
 Primärer Flügel nach links öffnend

Double-tracked system with 2 fields
 Sliding sash left, sliding sash right
 Primary sash sliding to the left

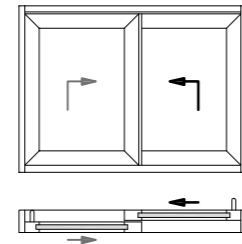


Schema D2 / Scheme D2

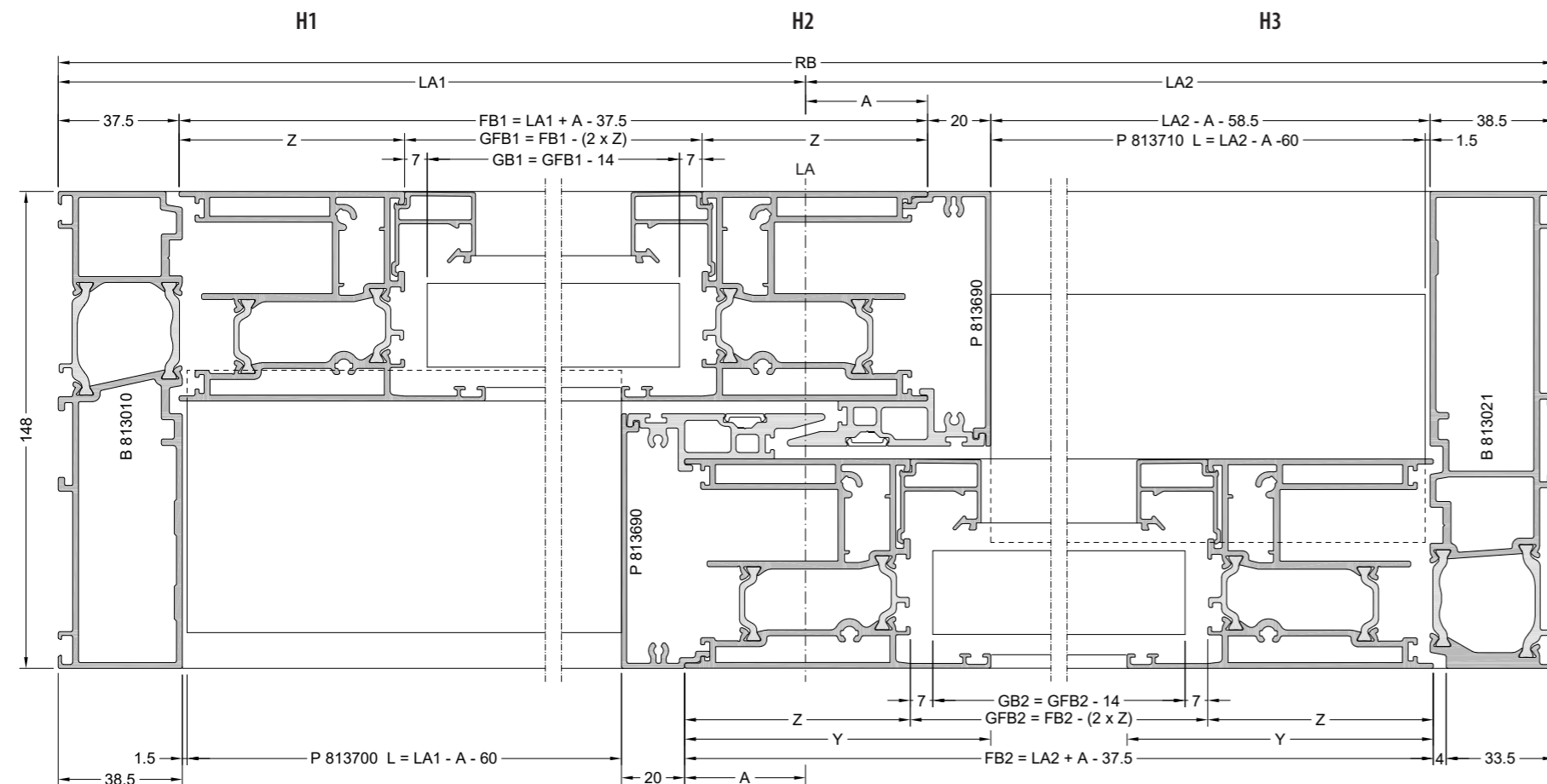
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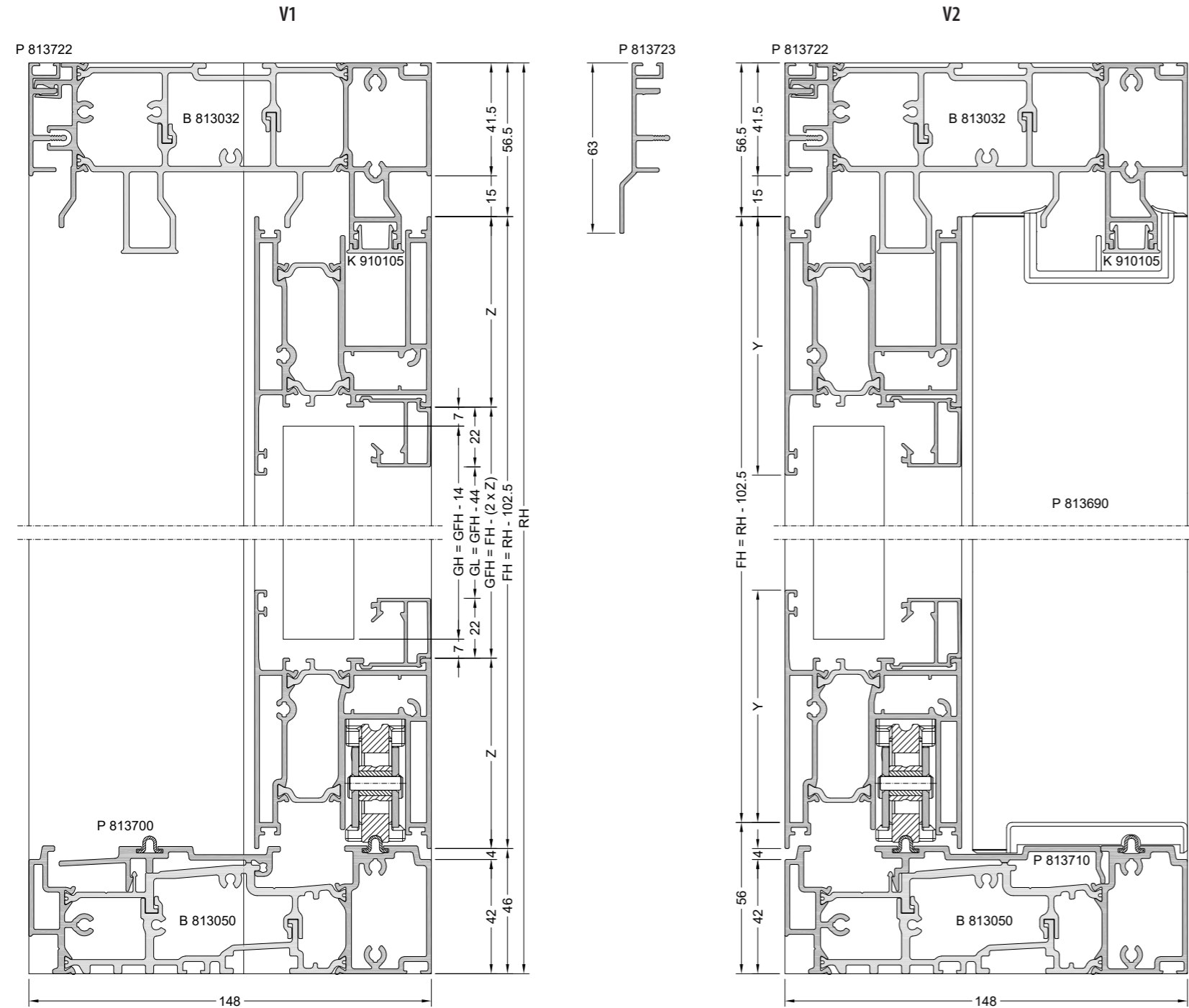
2-spurige Anlage mit 2 Feldern
 Schiebeflügel rechts, Schiebeflügel links
 Primärer Flügel nach rechts öffnend

Double-tracked system with 2 fields
 Sliding sash right, sliding sash left
 Primary sash sliding to the right



Abkürzungen Short cuts			
... a	außen (Festfeld) external (Fixed field)	GH	Glashöhe Glass height
... i	innen (Schiebeflügel) internal (Sliding sash)	GL	Glasleiste Glazing bead
AM	Achsmaß Axial dimension	L	Länge Length
FB	Flügelbreite / Feldbreite Sash width / Field width	LA	Labyrinth Achse Labyrinth axis
FF	Festflügel / Festfeld Fixed sash / Fixed field	PF	Primärer Flügel Primary sash
FH	Flügelhöhe / Feldhöhe Sash height / Field height	RB	Rahmenbreite Frame width
GB	Glasbreite Glass width	RH	Rahmenhöhe Frame height
GFB	Glasfalzbreite Glazing rebate width	SBF	Schiebeflügel Sliding sash
GFH	Glasfalzhöhe Glazing rebate height	SF	Sekundärer Flügel Secondary sash





Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Blendrahmen Fixed frame	B 813010	links / left	= RH		1
		B 813021	rechts / right	= RH		1
		B 813032	oben / top	= RB - 80		1
		B 813050	unten / bottom	= RB - 80		1
	Abdeckprofil Cover profile	P 813722	oben, außen top, external	= RB - 80	90° + 90°	1
	Abdeckprofil Cover profile	P 813723	oben, außen top, external	= RB		1
	Abdeckprofil, Kunststoff Cover profile, plastic	K 910105	oben, innen top, internal	= RB - 80		1
	Schwellenprofil Threshold profile	P 813700	unten, außen bottom, external	= LA1 - A - 60		1
	Schwellenprofil Threshold profile	P 813710	unten, innen bottom, internal	= LA2 - A - 60		1
	Laufschiene Roller rail	P 917260	unten, innen bottom, internal	= RB - 80		2
	Schiebeflügel Sliding sash	B 813232 / 33 *	oben und unten top and bottom	FB1 = LA1 + A - 37.5	45° + 45°	2
		B 813234 / 35 **		FB2 = LA2 + A - 37.5		2
		B 813232 / 33 *	seitlich / lateral	= RH - 102.5		4
		B 813234 / 35 **		= RH - 102.5		2
	Abdeckprofil Cover profile	P 813690	seitlich / lateral	= RH - 102.5		2
	Labyrinthprofil, Schiebeflügel Labyrinth profile, sliding sash	K 910153 *	Labyrinth / Labyrinth PF + SF	= RH - 109.5	90° + 90°	2
	Labyrinthprofil, Schiebeflügel Labyrinth profile, sliding sash	K 910154 **				
	Glasleiste, Breite Glazing bead, width	PF + SF	oben und unten top and bottom	GL1 = GFB1 GL2 = GFB2		2
	Glasleiste, Höhe Glazing bead, height	PF + SF	seitlich / lateral	= GFH - 44		4
	Glasbreite / Glass width		SBF (PF)	GB1 = GFB1 - 14		
	Glasbreite / Glass width		SBF (SF)	GB2 = GFB2 - 14		
	Glashöhe / Glass height		SBF (PF + SF)	GH = GFH - 14		

* Flügelgewicht bis 250 kg
Leaf weight up to 250 kg

** Flügelgewicht bis 330 / 440 kg
Leaf weight up to 330 / 440 kg

Schiebeflügel Sliding sash	Y	Z	A	Verbund Composite	Labyrinthprofil Labyrinth profile
B 813232 *	83	58	31.5	schubfest shear-proof	K 910153
B 813233 *	83	58	31.5	schubweich flexible	K 910153
B 813234 **	95	70	37.5	schubfest shear-proof	K 910154
B 813235 **	95	70	37.5	schubweich flexible	K 910154



Schema D1 / Scheme D1

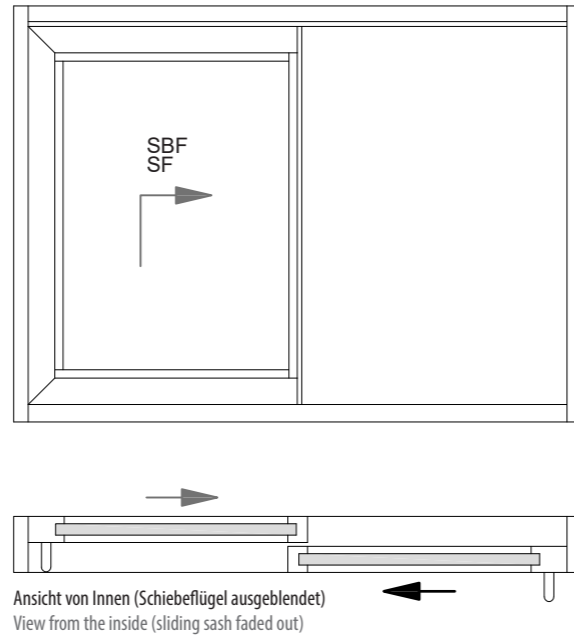
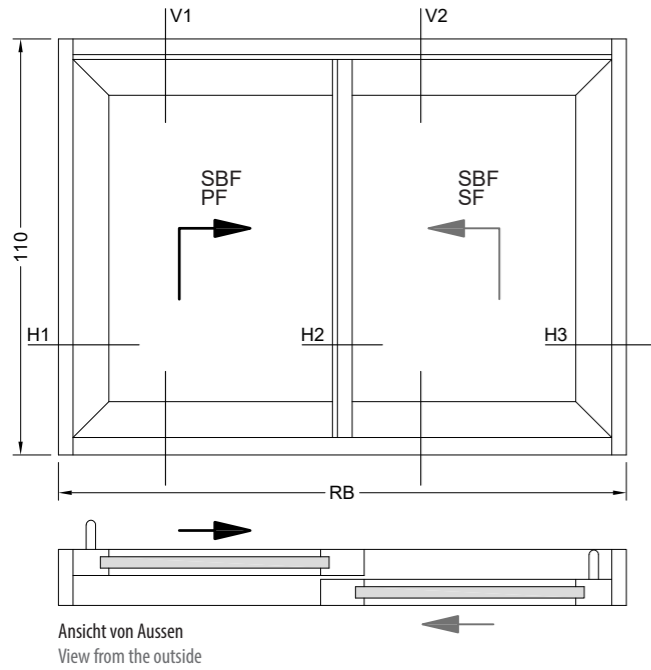
(wie gezeichnet / as drawn)

2-spurige Anlage mit 2 Feldern
 Schiebeflügel links, Schiebeflügel rechts
 Primärer Flügel nach links öffnend

Double-tracked system with 2 fields
 Sliding sash left, sliding sash right
 Primary sash sliding to the left



Glasleistenaufteilung Sekundärer Flügel
 Glazing beads layout secondary sash

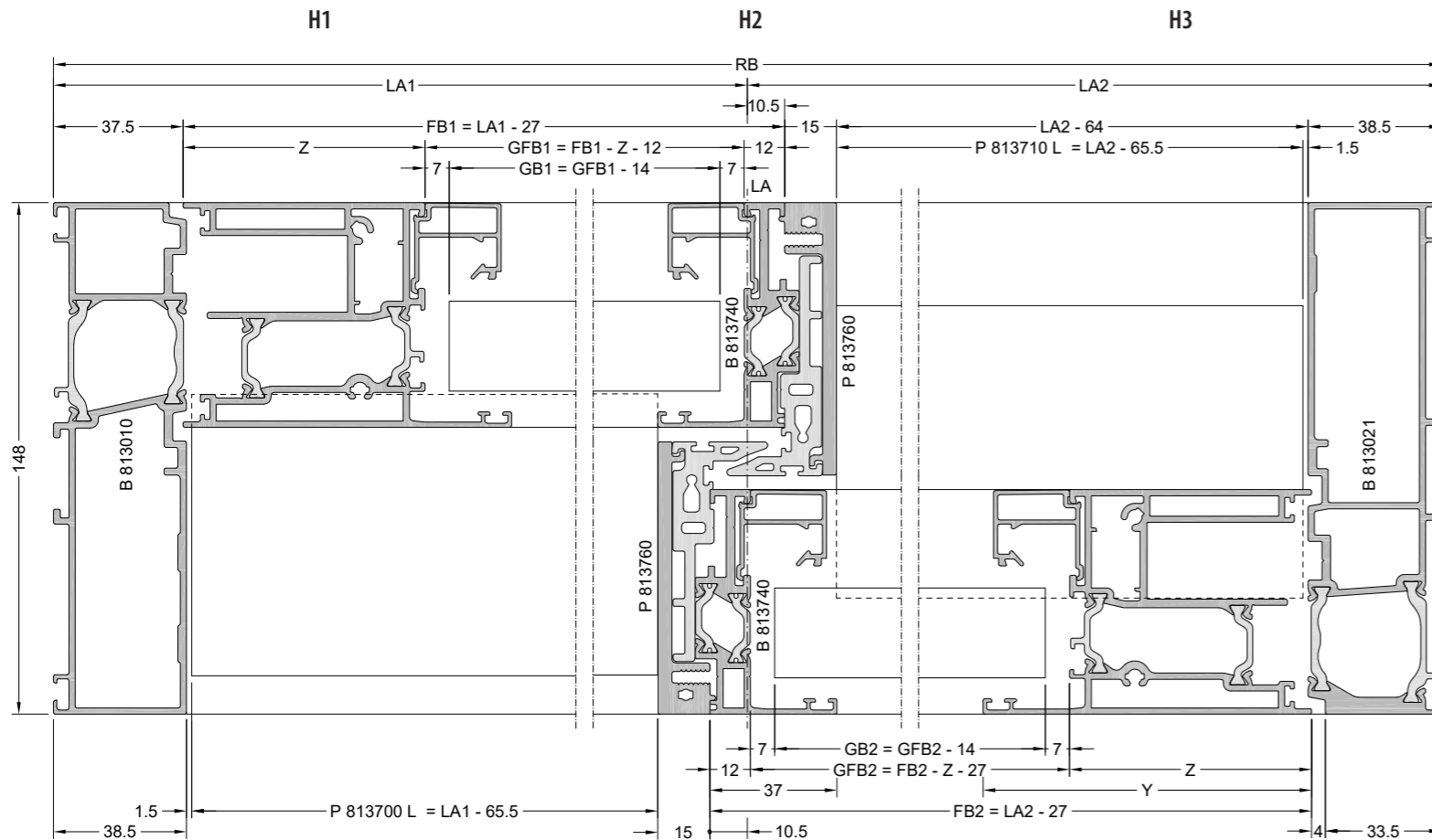
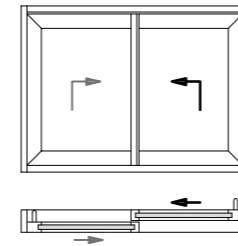


Schema D2 / Scheme D2

(spiegelbildlich / mirror image)

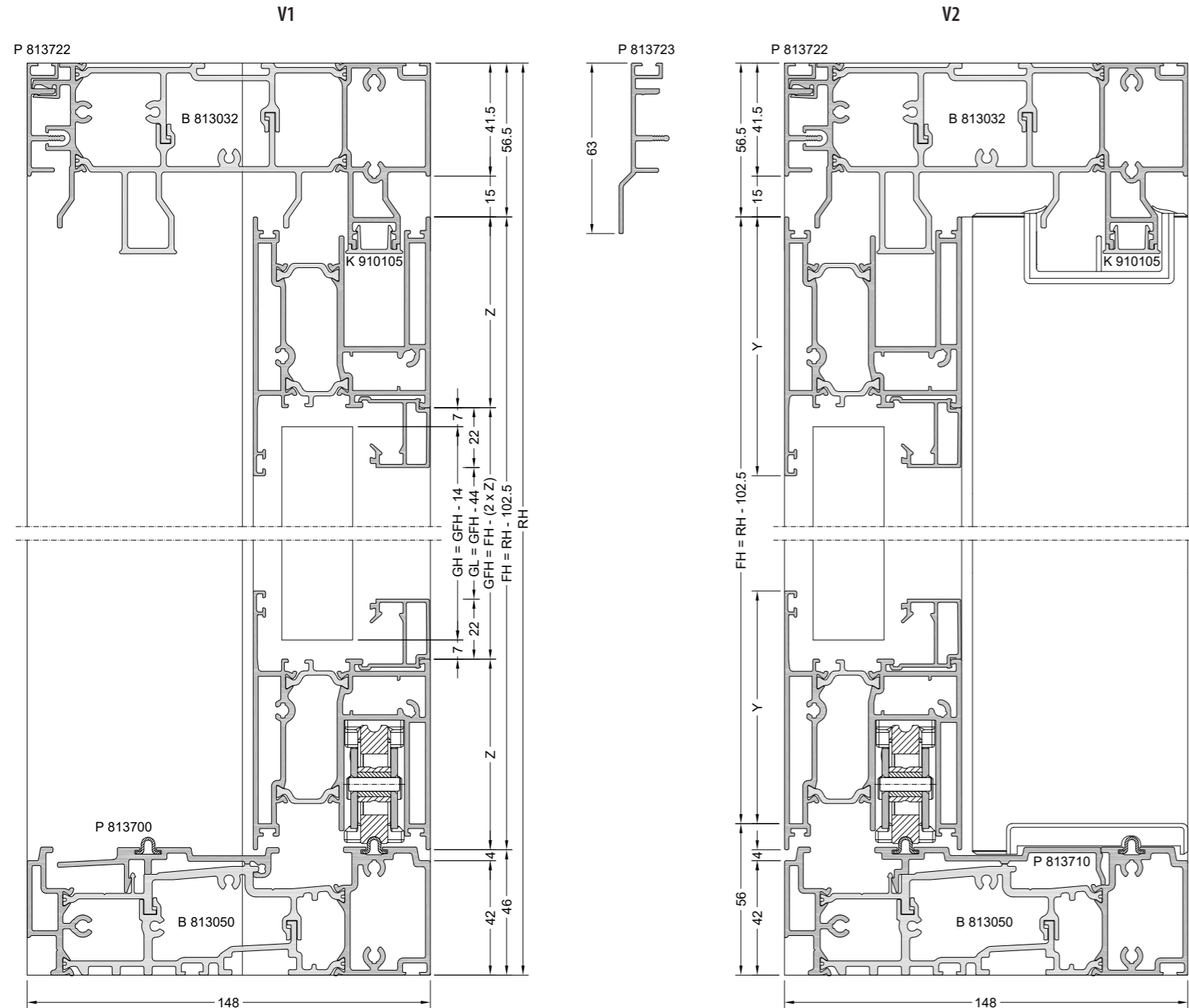
2-spurige Anlage mit 2 Feldern
 Schiebeflügel rechts, Schiebeflügel links
 Primärer Flügel nach rechts öffnend

Double-tracked system with 2 fields
 Sliding sash right, sliding sash left
 Primary sash sliding to the right



Abkürzungen Short cuts			
... a	außen (Festfeld) external (Fixed field)	GH	Glashöhe Glass height
... i	innen (Schiebeflügel) internal (Sliding sash)	GL	Glasleiste Glazing bead
AM	Achsmaß Axial dimension	L	Länge Length
FB	Flügelbreite / Feldbreite Sash width / Field width	LA	Labyrinth Achse Labyrinth axis
FF	Festflügel / Festfeld Fixed sash / Fixed field	PF	Primärer Flügel Primary sash
FH	Flügelhöhe / Feldhöhe Sash height / Field height	RB	Rahmenbreite Frame width
GB	Glasbreite Glass width	RH	Rahmenhöhe Frame height
GFB	Glasfalzbreite Glazing rebate width	SBF	Schiebeflügel Sliding sash
GFH	Glasfalzhöhe Glazing rebate height	SF	Sekundärer Flügel Secondary sash





Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Blendrahmen Fixed frame	B 813010	links / left	= RH		1
		B 813021	rechts / right	= RH		1
		B 813032	oben / top	= RB - 80		1
		B 813050	unten / bottom	= RB - 80		1
	Abdeckprofil Cover profile	P 813722	oben, außen top, external	= RB - 80	90° + 90°	1
	Abdeckprofil Cover profile	P 813723	oben, außen top, external	= RB		1
	Abdeckprofil, Kunststoff Cover profile, plastic	K 910105	oben, innen top, internal	= RB - 80		1
	Schwellenprofil Threshold profile	P 813700	unten, außen bottom, external	= LA1 - 65.5		1
	Schwellenprofil Threshold profile	P 813710	unten, innen bottom, internal	= LA2 - 65.5		1
	Laufschiene Roller rail	P 917260	unten, innen bottom, internal	= RB - 80		2
	Schiebeflügel Sliding sash	B 813232 / 33 *	oben und unten top and bottom	L1 = FB1 - 12 L2 = FB2 - 12	45° + 90°	2
		B 813234 / 35 **			45° + 90°	2
		B 813232 / 33 * B 813234 / 35 **	seitlich / lateral	= RH - 102.5	45° + 45°	2
		B 813740	seitlich / lateral	= RH - 102.5	90° + 90°	2 (1 ***)
(B 813750 ***)	seitlich / lateral	= RH - 102.5	(1 ***)			
	Abdeckprofil PF + SF Cover profile PF + SF	P 813760	seitlich / lateral	= RH - 102.5		2
	Labyrinthprofil Labyrinth profile	K 910150	Labyrinth / Labyrinth	= RH - 109.5		2
	Glasleiste, Breite Glazing bead, width	PF Labyrinth mit B 813740	oben und unten top and bottom	= GFB1	90° + 90°	2
			seitlich / lateral	= GFH - 44		2
	Glasleiste, Höhe Glazing bead, height	PF Labyrinth w. B 813740	oben und unten top and bottom	= GFB1 - 22	90° + 90°	2
			seitlich / lateral	= GFH - 44		1
			seitlich / lateral	= GFH		1
	Glasleiste, Breite Glazing bead, width	PF Labyrinth mit B 813750	oben und unten top and bottom	= GFB1 - 22	90° + 90°	2
			seitlich / lateral	= GFH - 44		1
			seitlich / lateral	= GFH		1
	Glasleiste, Höhe Glazing bead, height	PF Labyrinth w. B 813750	oben und unten top and bottom	= GFB1 - 22	90° + 90°	2
			seitlich / lateral	= GFH - 44		1
			seitlich / lateral	= GFH		1

Flügelprofil Sash profile	Y	Z	Verbund Composite
B 813232 *	83	58	schubfest shear-proof
B 813233 *	83	58	schubweich flexible
B 813234 **	95	70	schubfest shear-proof
B 813235 **	95	70	schubweich flexible

Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Glasleiste, Breite Glazing bead, width	SF Labyrinth mit B 813740 SF Labyrinth w. B 813740	oben und unten top and bottom	= GFB2 - 22	90° + 90°	2
	Glasleiste, Höhe Glazing bead, height		seitlich / lateral	= GFH - 44		1
	Glasleiste, Höhe Glazing bead, height		seitlich / lateral	= GFH		1
	Glasbreite / Glass width		SBF (PF)	GB1 = GFB1 - 14		
	Glasbreite / Glass width		SBF (SF)	GB2 = GFB2 - 14		
	Glashöhe / Glass height		SBF (PF + SF)	GH = GFH - 14		

* Flügelgewicht bis 250 kg
Leaf weight up to 250 kg

** Flügelgewicht bis 330 / 440 kg
Leaf weight up to 330 / 440 kg

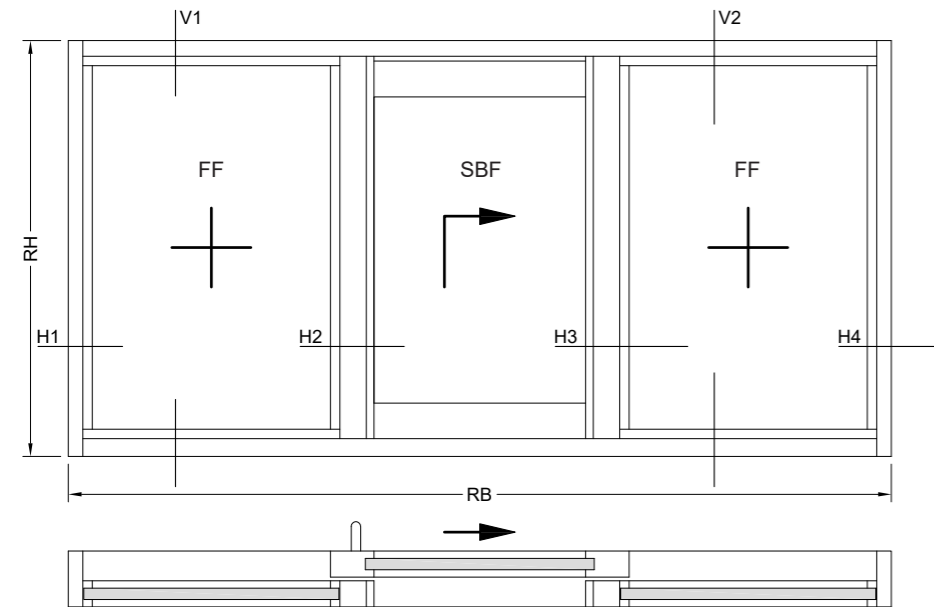
*** nach statischen Erfordernissen
According to static requirements

Schema MG1 / Scheme MG1

(wie gezeichnet / as drawn)

Monorail mit 3 Feldern
 Schiebeflügel mittig
 je 1 Festfeld links und rechts
 Primärer Flügel nach links öffnend

Monorail with 3 fields
 Sliding sash in the middle
 1 fixed field left and right each
 Primary sash sliding to the left

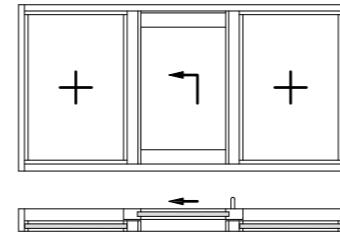


Schema MG2 / Scheme MG2

(spiegelbildlich / mirror image)

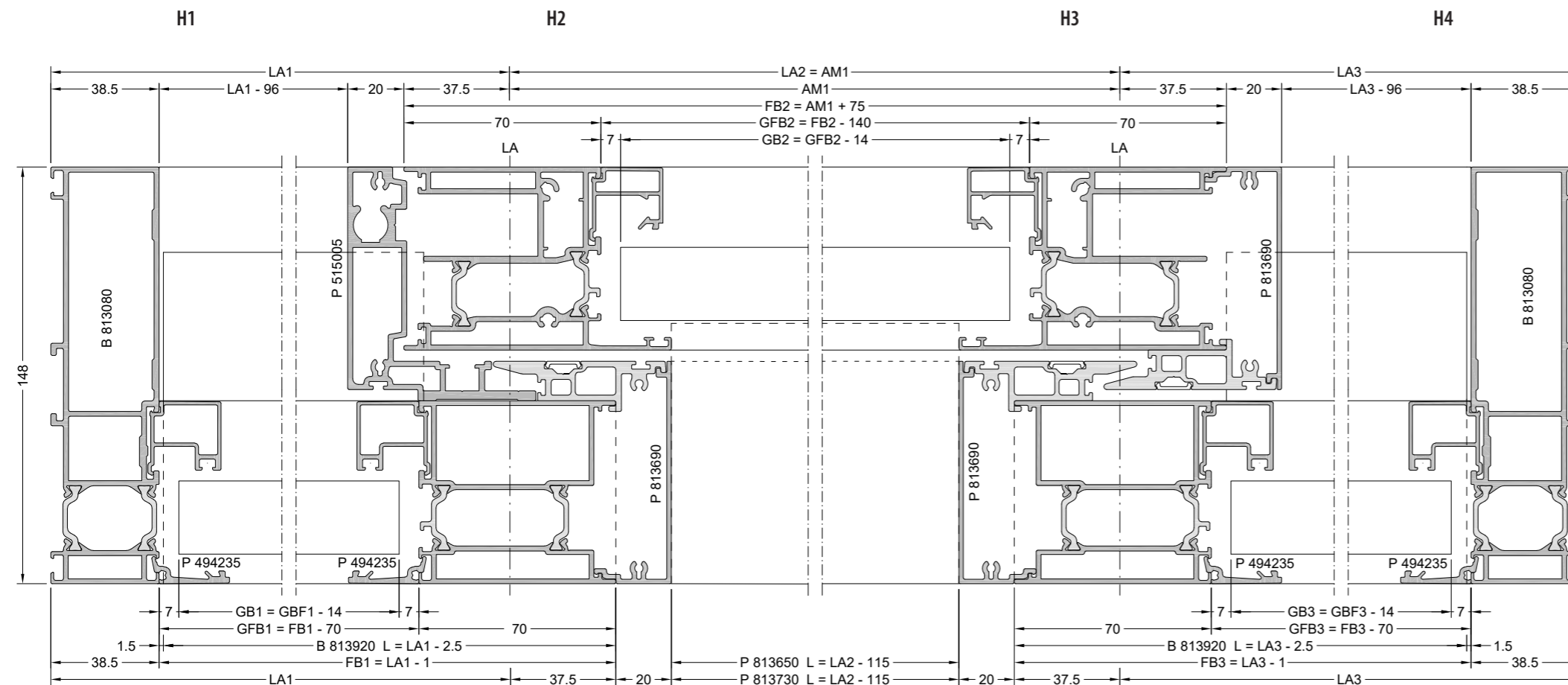
Monorail mit 3 Feldern
 Schiebeflügel mittig
 je 1 Festfeld links und rechts
 Primärer Flügel nach rechts öffnend

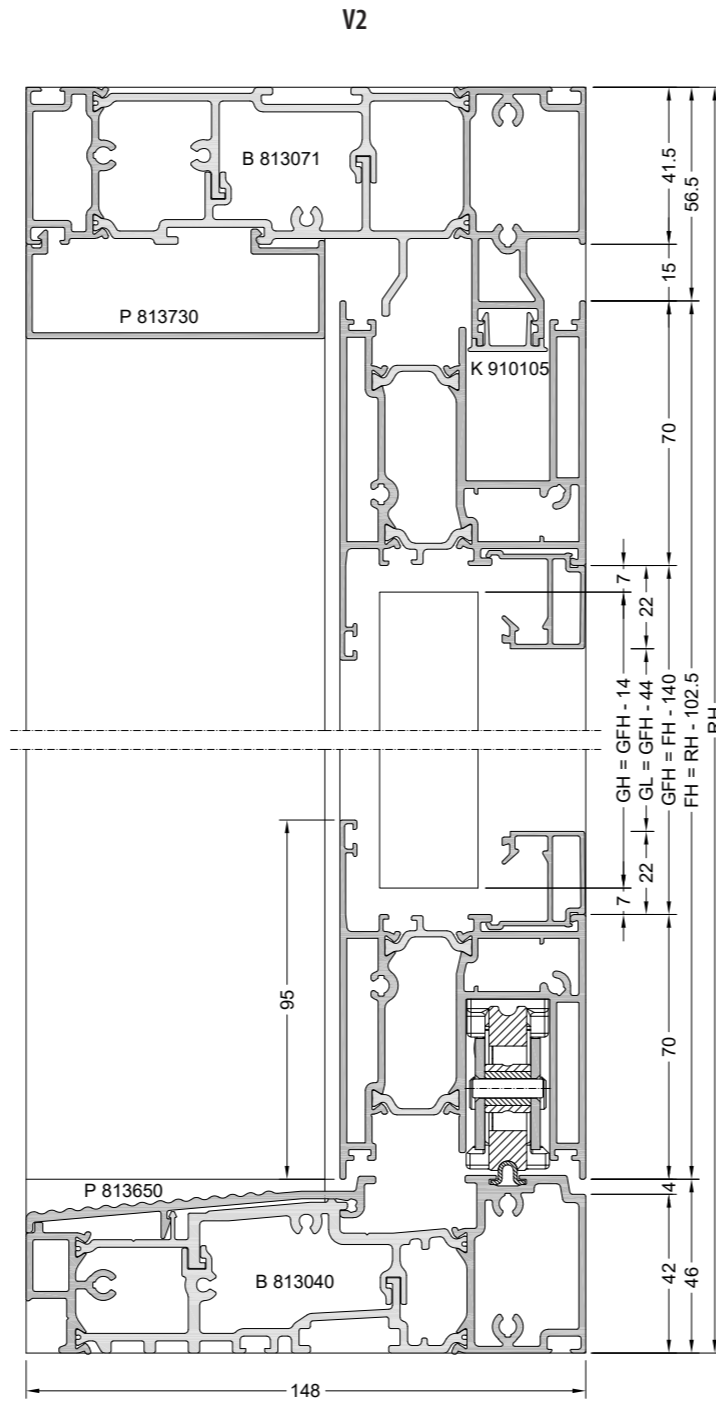
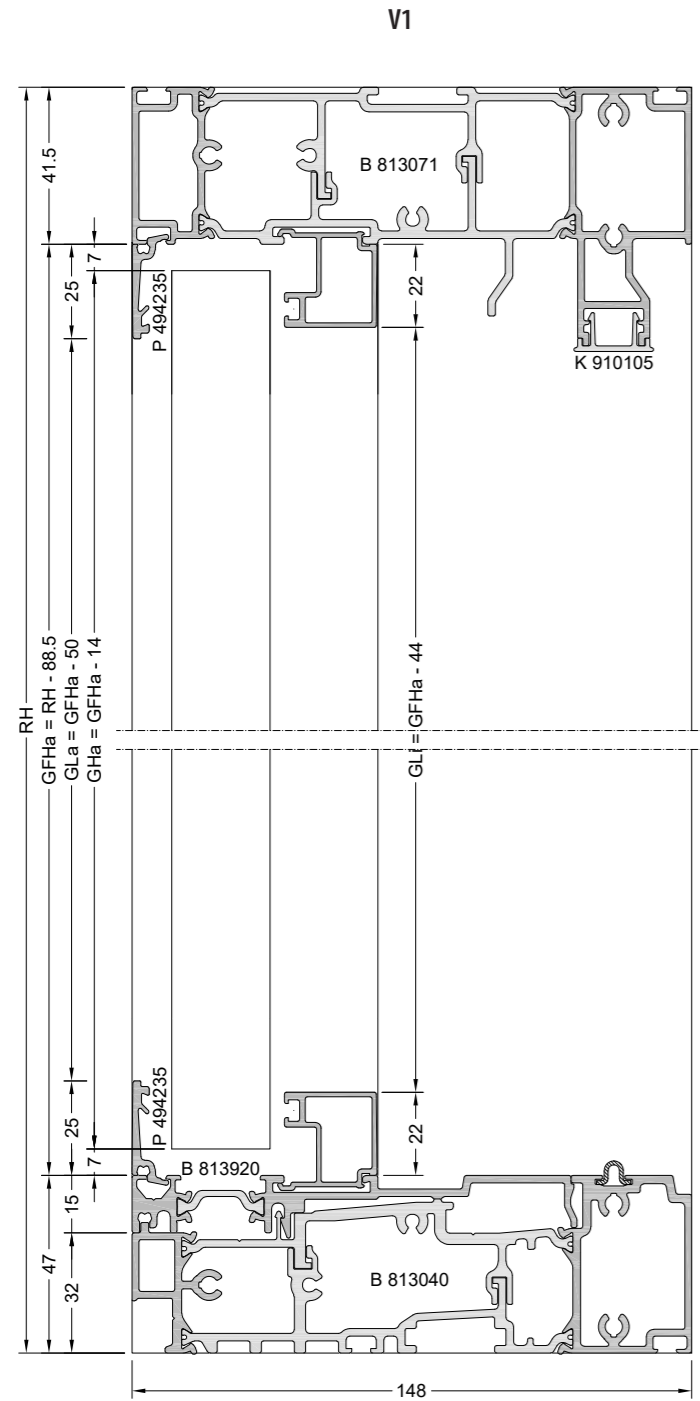
Monorail with 3 fields
 Sliding sash in the middle
 1 fixed field left and right each
 Primary sash sliding to the right



Abkürzungen Short cuts			
... a	außen (Festfeld) external (Fixed field)	GH	Glashöhe Glass height
... i	innen (Schiebeflügel) internal (Sliding sash)	GL	Glasleiste Glazing bead
AM	Achsmaß Axial dimension	L	Länge Length
FB	Flügelbreite / Feldbreite Sash width / Field width	LA	Labyrinth Achse Labyrinth axis
FF	Festflügel / Festfeld Fixed sash / Fixed field	PF	Primärer Flügel Primary sash
FH	Flügelhöhe / Feldhöhe Sash height / Field height	RB	Rahmenbreite Frame width
GB	Glasbreite Glass width	RH	Rahmenhöhe Frame height
GFB	Glasfalzbreite Glazing rebate width	SBF	Schiebeflügel Sliding sash
GFH	Glasfalzhöhe Glazing rebate height	SF	Sekundärer Flügel Secondary sash

Ansicht von Aussen
 View from the outside





Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Blendrahmen Fixed frame	B 813080	links / left	= RH	90° + 90°	1
		B 813010	rechts / right	= RH		1
		B 813071	oben / top	= RB - 80		1
		B 813040	unten / bottom	= RB - 80		1
	Sprosse Transom profile	B 813110 **		= RH - 88.5		2
	Abdeckprofil Cover profile	P 813730	oben, außen top, external	= LA2 - 115		1
	Abdeckprofil Cover profile	P 813690	seitlich / lateral	= RH - 88.5		2
	Anschlagprofil Rebate profile	P 515005	seitlich / lateral	= RH - 88.5		1
	Abdeckprofil, Kunststoff Cover profile, plastic	K 910105	oben, innen top, internal	= RB - 80		1
	Schwellenprofil Threshold profile	P 813650	unten, außen bottom, external	= LA2 - 115		1
	Schwellenprofil Threshold profile	B 813920	unten, außen bottom, external	= LA1 - 2.5 = LA3 - 2.5		1 1
	Laufschiene Roller rail	P 917260	unten, innen bottom, internal	= RB - 80		1
	Glasleiste, Breite Glazing bead, width	P 494235	oben und unten, außen top and bottom, external	= GFB1 = GFB3		2 2
	Glasleiste, Höhe Glazing bead, height	P 494235	seitlich, außen lateral, external	= GFHa - 50		4
	Schiebeflügel Sliding sash	B 813234 / 35 **	oben und unten top and bottom	= LA2 + 75	45° + 45°	2
		B 813234 / 35 **	seitlich / lateral	= RH - 102.5		2
	Abdeckprofil Cover profile	P 813690	seitlich / lateral	= RH - 102.5		1
	Labyrinthprofil, Schiebeflügel Labyrinth profile, sliding sash	K 910154 **	Labyrinth / Labyrinth SBF	= RH - 109.5	90° + 90°	1
			Labyrinth / Labyrinth FF	= RH - 88.5		2
	Glasleiste, Breite Glazing bead, width	SBF	oben und unten, innen top and bottom, internal	= GFB2	90° + 90°	2
			seitlich, innen lateral, internal	= GFH - 44		2
	Glasleiste, Breite Glazing bead, width	FF	oben und unten top and bottom	= FB2 - 140		2
			seitlich / lateral	= GFHi - 44		2
	Glasbreite / Glass width		SBF	GB2 = GFB2 - 14		
	Glashöhe / Glass height		SBF	GH = GFH - 14		
	Glasbreite / Glass width		FF	GB1 = GFB1 - 14 GB3 = GFB3 - 14		
	Glashöhe / Glass height		FF	GHa = GFHa - 14		

* Flügelgewicht bis 250 kg
 Leaf weight up to 250 kg

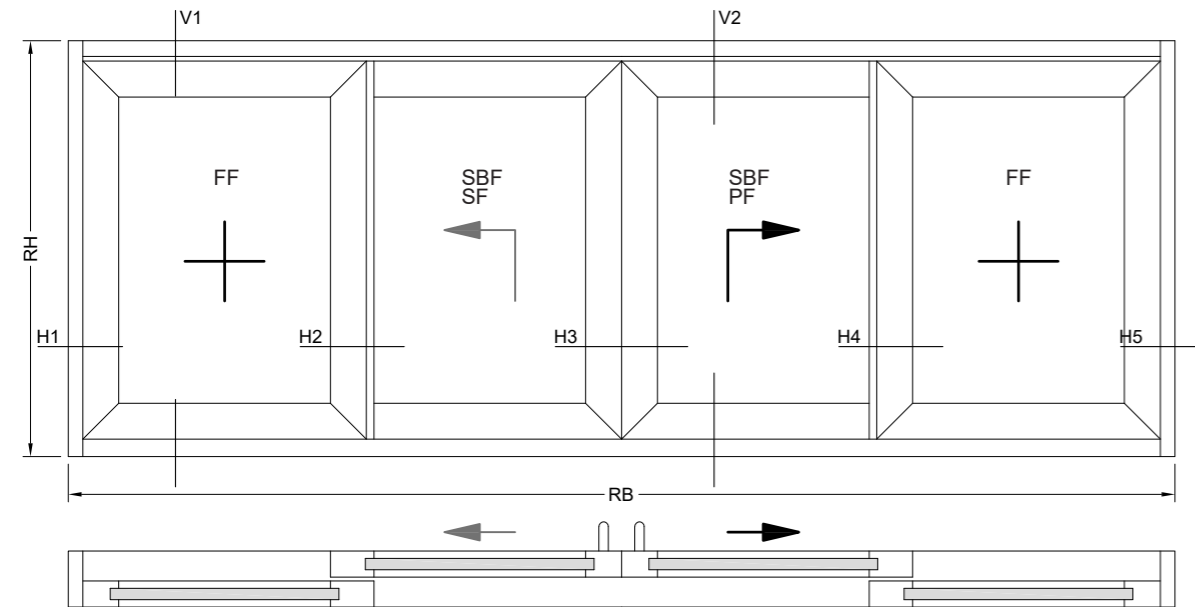
** Flügelgewicht bis 330 / 440 kg
 Leaf weight up to 330 / 440 kg

Schema C1 / Scheme C1

(wie gezeichnet / as drawn)

2-spurige Anlage mit 4 Feldern
 2 Schiebeflügel mittig
 je 1 Festflügel links und rechts
 Primärer Flügel nach links öffnend

Double-tracked system with 4 fields
 2 sliding sashes in the middle
 1 fixed sash left and right each
 Primary sash sliding to the left



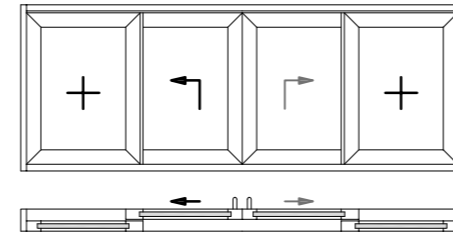
Ansicht von Aussen
 View from the outside

Schema C2 / Scheme C2

(spiegelbildlich / mirror image)

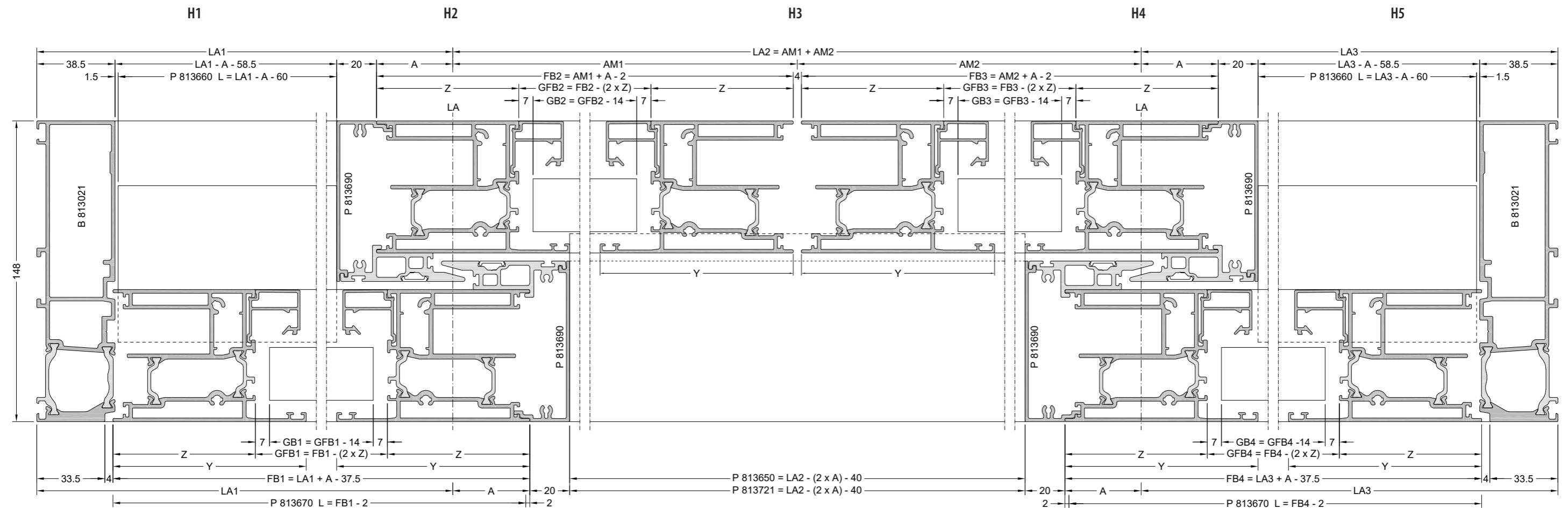
2-spurige Anlage mit 4 Feldern
 2 Schiebeflügel mittig
 je 1 Festflügel links und rechts
 Primärer Flügel nach rechts öffnend

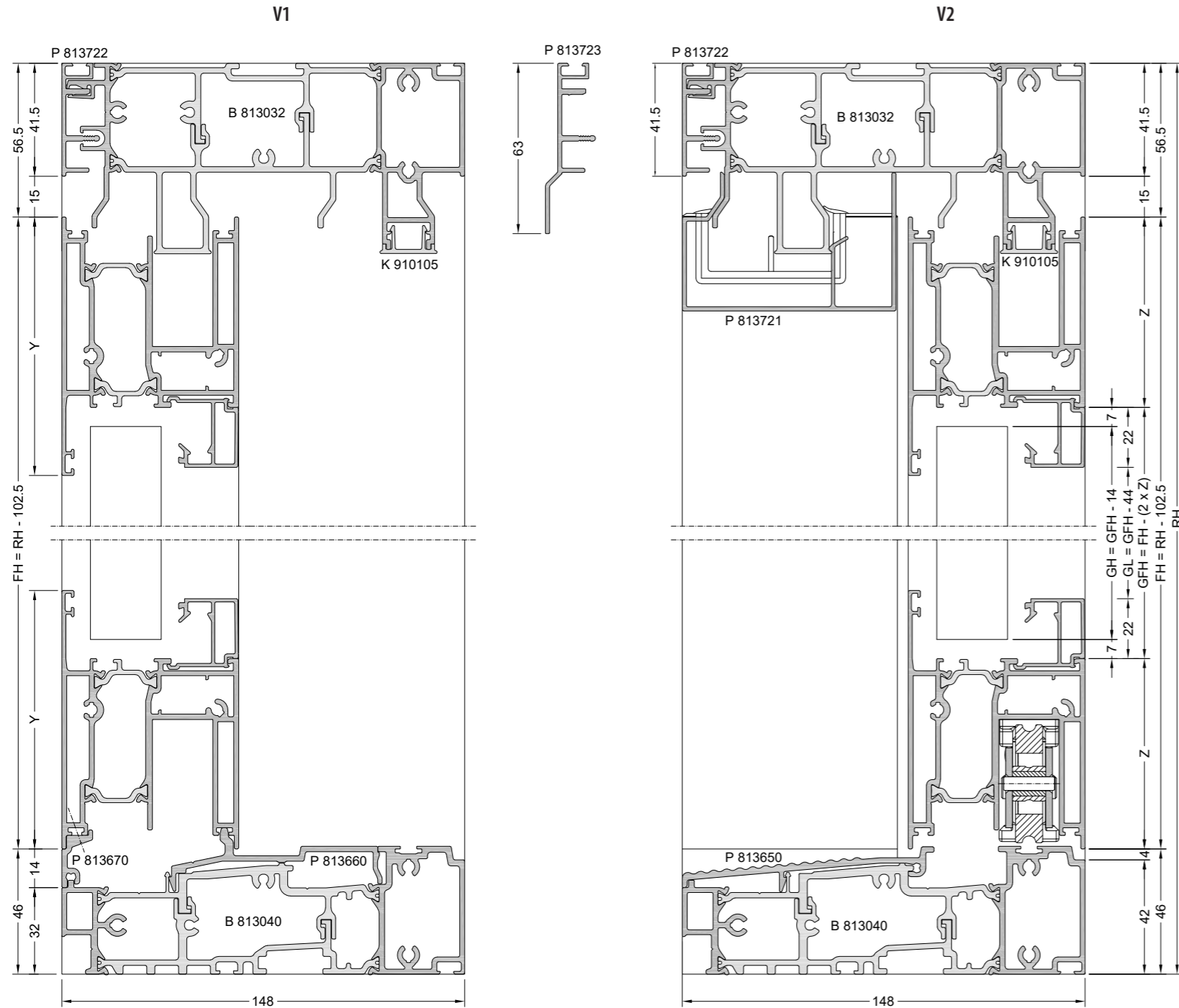
Double-tracked system with 4 fields
 2 sliding sashes in the middle
 1 fixed sash left and right each
 Primary sash sliding to the right



Für gleiche Flügelbreiten (Glasmaße):
 $LA1 \triangleq LA3 = (RB : 4) + 17.5$
For equally sash width (glass width):
 $LA1 \triangleq LA3 = (RB : 4) + 17.5$

Abkürzungen Short cuts			
... a	außen (Festfeld) external (Fixed field)	GH	Glashöhe Glass height
... i	innen (Schiebeflügel) internal (Sliding sash)	GL	Glasleiste Glazing bead
AM	Achsmaß Axial dimension	L	Länge Length
FB	Flügelbreite / Feldbreite Sash width / Field width	LA	Labyrinth Achse Labyrinth axis
FF	Festflügel / Festfeld Fixed sash / Fixed field	PF	Primärer Flügel Primary sash
FH	Flügelhöhe / Feldhöhe Sash height / Field height	RB	Rahmenbreite Frame width
GB	Glasbreite Glass width	RH	Rahmenhöhe Frame height
GFB	Glasfalzbreite Glazing rebate width	SBF	Schiebeflügel Sliding sash
GFH	Glasfalzhöhe Glazing rebate height	SF	Sekundärer Flügel Secondary sash



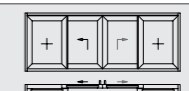
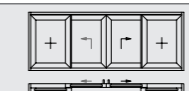


Schiebeflügel Sliding sash	Y	Z	A	Verbund Composite	Labyrinthprofil Labyrinth profile
B 813232 *	83	58	31.5	schubfest shear-proof	K 910153
B 813233 *	83	58	31.5	schubweich flexible	K 910153
B 813234 **	95	70	37.5	schubfest shear-proof	K 910154
B 813235 **	95	70	37.5	schubweich flexible	K 910154

Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Blendrahmen Fixed frame	B 813021	links / left	= RH	90° + 90°	1
		B 813021	rechts / right	= RH		1
		B 813032	oben / top	= RB - 80		1
		B 813040	unten / bottom	= RB - 80		1
	Abdeckprofil Cover profile	P 813722	oben, außen top, external	= RB - 80	90° + 90°	1
	Abdeckprofil Cover profile	P 813723	oben, außen top, external	= RB		1
	Abdeckprofil Cover profile	P 813721	oben, außen top, external	= LA2 - (2 x A) - 40		1
	Abdeckprofil, Kunststoff Cover profile, plastic	K 910105	oben, innen top, internal	= RB - 80		1
	Schwellenprofil Threshold profile	P 813650	unten, außen bottom, external	= LA2 - (2 x A) - 40	90° + 90°	1
	Schwellenprofil Threshold profile	P 813660	unten, innen bottom, internal	= LA1 - A - 60 = LA3 - A - 60		1
	Laufschiene Roller rail	P 917260	unten, innen bottom, internal	= RB - 80		1
	Schiebeflügel Sliding sash	B 813232 / 33 *	oben und unten top and bottom	FB1 = LA1 + A - 37.5 FB2 = AM1 + A - 2 FB3 = AM2 + A - 2 FB4 = LA3 + A - 37.5	45° + 45°	2
		B 813234 / 35 **				2
		B 813232 / 33 *	seitlich / lateral	= RH - 102.5		8
		B 813234 / 35 **				
	Abdeckprofil Cover profile	P 813690	seitlich / lateral	= RH - 102.5		4
	Zusatzprofil Supplementary profile	P 813670	unten, außen bottom, external	= FB1 - 2 = FB4 - 2		1 1
	Labyrinthprofil, Schiebeflügel Labyrinth profile, sliding sash	K 910153 *	Labyrinth / Labyrinth	SBF L = RH - 109.5 FF L = RH - 102.5	90° + 90°	2
		K 910154 **				2
	Glasleiste, Breite Glazing bead, width	SBF + FF	oben und unten top and bottom	GL1 = GFB1 GL2 = GFB2 GL3 = GFB3 GL4 = GFB4		2 2 2 2
	Glasleiste, Höhe Glazing bead, height	SBF + FF	seitlich / lateral	= GFH - 44		8
	Glasbreite / Glass width		SBF + FF	GB1 = GFB1 - 14 GB2 = GFB2 - 14 GB3 = GFB3 - 14 GB4 = GFB4 - 14		
	Glashöhe / Glass height		SBF + FF	GH = GFH - 14		

* Flügelgewicht bis 250 kg
Leaf weight up to 250 kg

** Flügelgewicht bis 330 / 440 kg
Leaf weight up to 330 / 440 kg

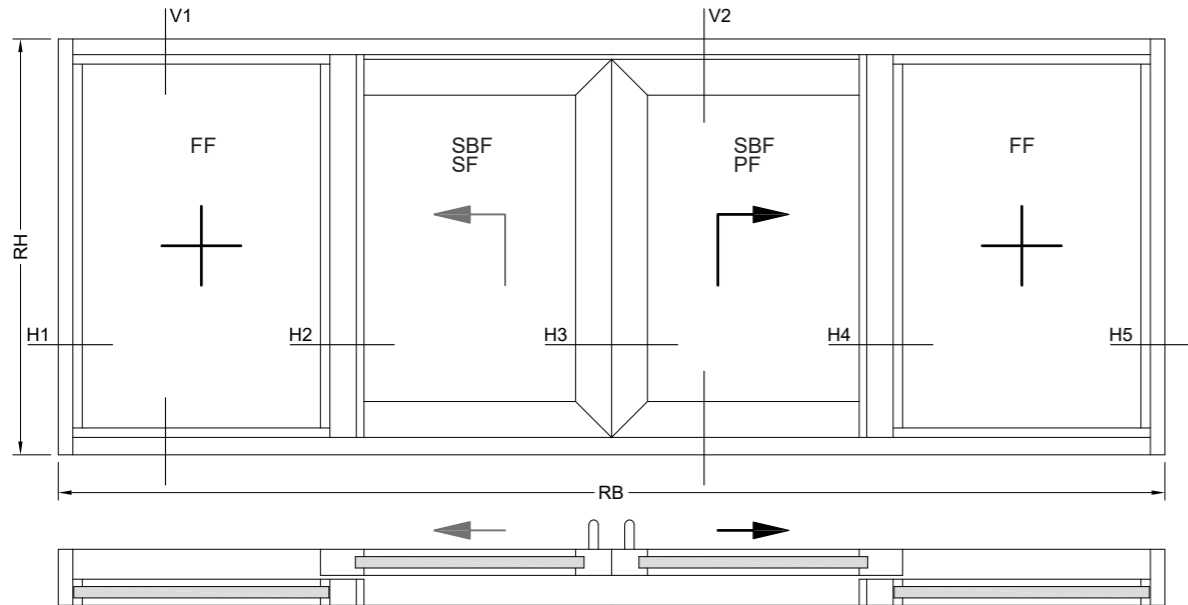


Schema MC1 / Scheme MC1

(wie gezeichnet / as drawn)

Monorail mit 4 Feldern
 2 Schiebeflügel mittig
 je 1 Festfeld links und rechts
 Primärer Flügel nach links öffnend

Monorail with 4 fields
 2 sliding sashes in the middle
 1 fixed field left and right each
 Primary sash sliding to the left



Ansicht von Aussen

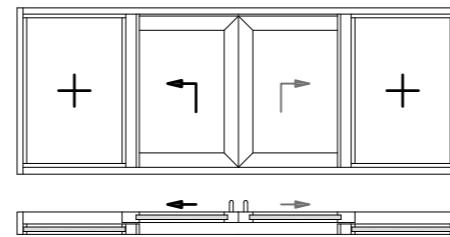
View from the outside

Schema MC2 / Scheme MC2

(spiegelbildlich / mirror image)

Monorail mit 4 Feldern
 2 Schiebeflügel mittig
 je 1 Festfeld links und rechts
 Primärer Flügel nach rechts öffnend

Monorail with 4 fields
 2 sliding sashes in the middle
 1 fixed field left and right each
 Primary sash sliding to the right



Für gleiche Glasmaße:

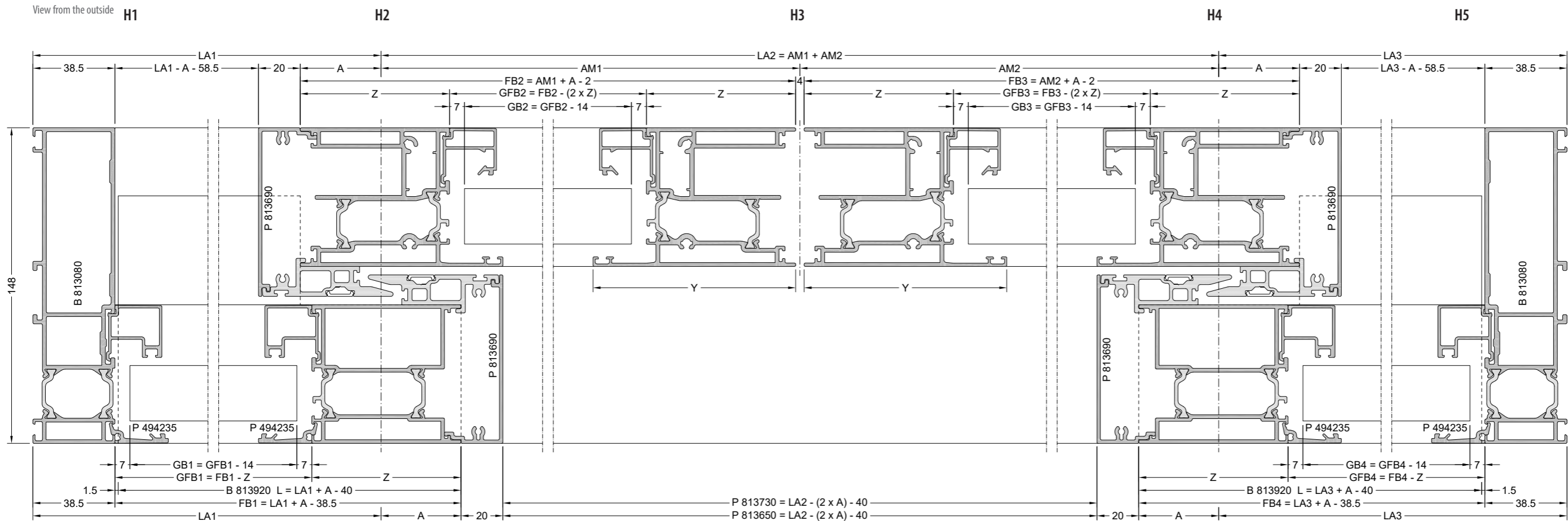
GB = (RB - 359) : 4 Flügelprofil B 813 232/233 + Sprossenprofil B 813100
 GB = (RB - 406) : 4 Flügelprofil B 813 234/235 + Sprossenprofil B 813110

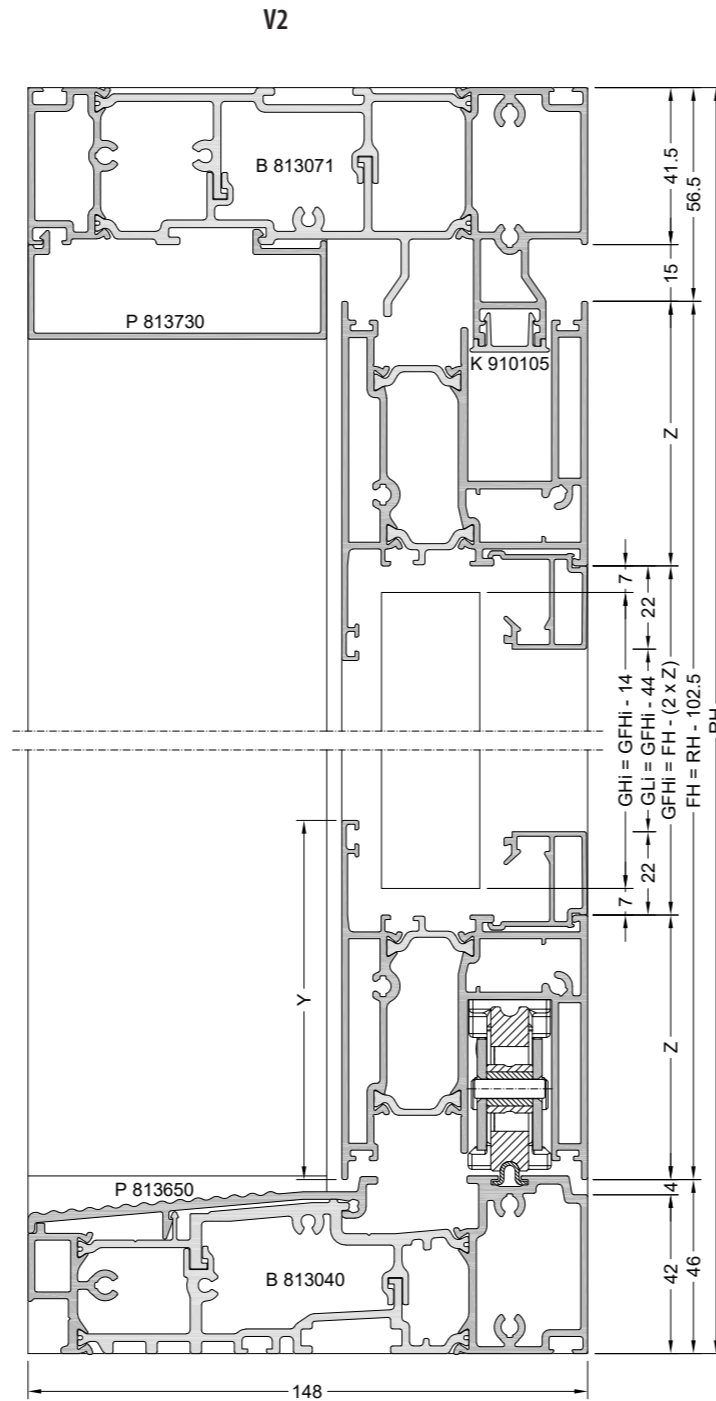
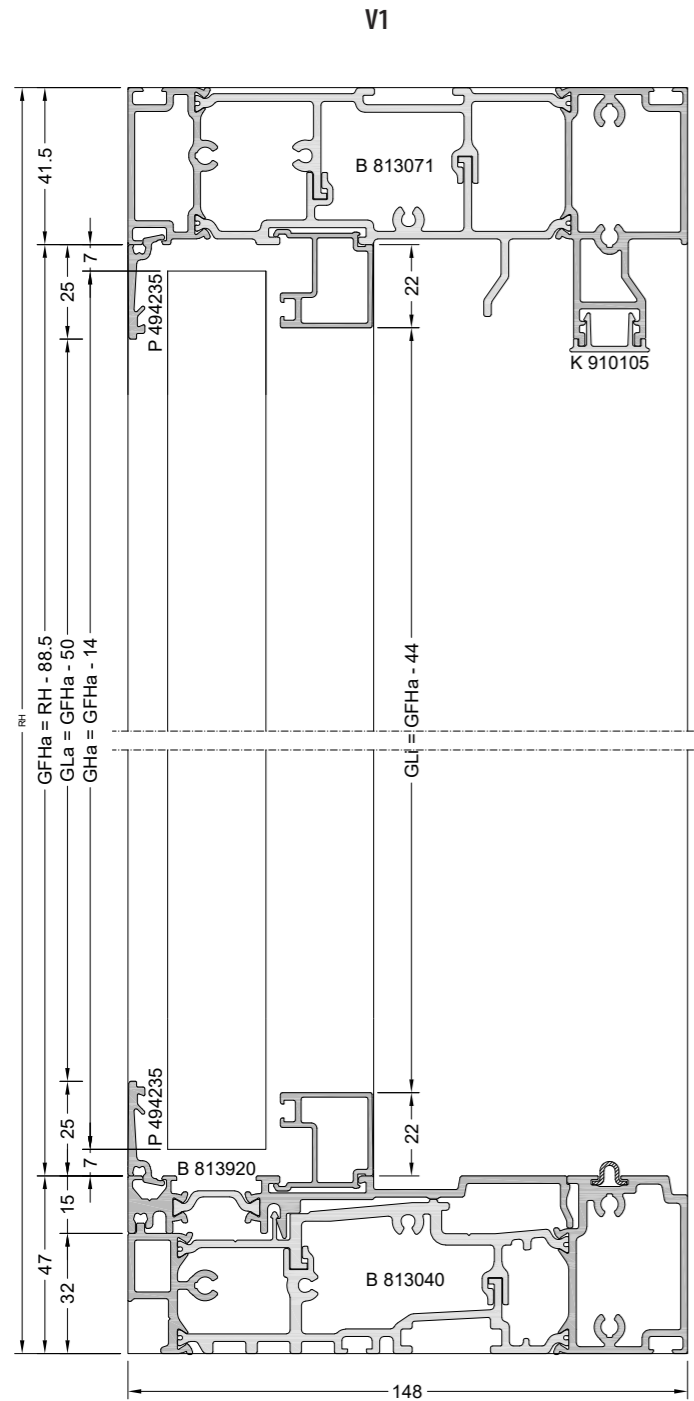


For equally glass width:

GB = (RB - 359) : 4 Sash profile B 813 232/233 + Transom profile B 813100
 GB = (RB - 406) : 4 Sash profile B 813 234/235 + Transom profile B 813110

Abkürzungen Short cuts			
... a	außen (Festfeld) external (Fixed field)	GH	Glashöhe Glass height
... i	innen (Schiebeflügel) internal (Sliding sash)	GL	Glasleiste Glazing bead
AM	Achsmaß Axial dimension	L	Länge Length
FB	Flügelbreite / Feldbreite Sash width / Field width	LA	Labyrinth Achse Labyrinth axis
FF	Festflügel / Festfeld Fixed sash / Fixed field	PF	Primärer Flügel Primary sash
FH	Flügelhöhe / Feldhöhe Sash height / Field height	RB	Rahmenbreite Frame width
GB	Glasbreite Glass width	RH	Rahmenhöhe Frame height
GFB	Glasfalzbreite Glazing rebate width	SBF	Schiebeflügel Sliding sash
GFH	Glasfalzhöhe Glazing rebate height	SF	Sekundärer Flügel Secondary sash





Flügelprofil Sash profile	Y	Z	A	Verbund Composite	Sprosse Transom profile	Z	A
B 813232 *	83	58	31.5	schubfest shear-proof	B 813100 *	50	31
B 813233 *	83	58	31.5	schubweich flexible			
B 813234 **	95	70	37.5	schubfest shear-proof	B 813110 **	70	38
B 813235 **	95	70	37.5	schubweich flexible			

Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Blendrahmen Fixed frame	B 813080	links / left	= RH	90° + 90°	1
		B 813080	rechts / right	= RH		1
		B 813071	oben / top	= RB - 80		1
		B 813040	unten / bottom	= RB - 80		1
	Sprosse Transom profile	B 813100 * / 110 **		= RH - 88.5		2
	Abdeckprofil Cover profile	P 813730	oben, außen top, external	= LA2 - (2 x A) - 40		1
	Abdeckprofil Cover profile	P 813690	seitlich / lateral	= RH - 88.5		2
	Abdeckprofil, Kunststoff Cover profile, plastic	K 910105	oben, innen top, internal	= RB - 80		1
	Schwellenprofil Threshold profile	P 813650	unten, außen bottom, external	= LA2 - (2 x A) - 40		1
	Schwellenprofil Threshold profile	B 813920	unten, außen bottom, external	= LA1 + A - 40 = LA3 + A - 40		1 1
	Laufschiene Roller rail	P 917260	unten, innen bottom, internal	= RB - 80		1
	Glasleiste, Breite Glazing bead, width	P 494235	oben und unten, außen top and bottom, external	GL1a = GFB1 GL4a = GFB4		2 2
	Glasleiste, Höhe Glazing bead, height	P 494235	seitlich, außen lateral, external	= GFHa - 50		4
	Schiebeflügel Sliding sash	B 813232 / 33 *	oben und unten top and bottom	FB2 = AM1 + A - 2 FB3 = AM2 + A - 2	45° + 45°	2 2
		B 813234 / 35 **	oben und unten top and bottom	FB2 = AM1 + A - 2 FB3 = AM2 + A - 2		2 2
		B 813232 / 33 *	seitlich / lateral	= RH - 102.5		4
		B 813234 / 35 **	seitlich / lateral	= RH - 102.5		4
	Abdeckprofil Cover profile	P 813690	seitlich / lateral	= RH - 102.5		2
	Labyrinthprofil, Schiebeflügel Labyrinth profile, sliding sash	K 910153 *	Labyrinth / Labyrinth SBF Labyrinth / Labyrinth FF	= RH - 109.5 = RH - 88.5		2 2
	Labyrinthprofil, Schiebeflügel Labyrinth profile, sliding sash	K 910154 **				
	Glasleiste, Breite Glazing bead, width	SBF	oben und unten top and bottom	GL2 = GFB2 GL3 = GFB3	90° + 90°	2 2
			seitlich / lateral	GLi = GFHi - 44		4
	Glasleiste, Breite Glazing bead, width	FF	oben und unten top and bottom	GL1 = GFB1 GL4 = GFB4		2 2
			seitlich / lateral	GLi = GFHa - 44	4	
	Glasbreite / Glass width		SBF	GB2 = GFB2 - 14 GB3 = GFB3 - 14		
	Glashöhe / Glass height			GHi = GFHi - 14		
	Glasbreite / Glass width		FF	GB1 = GFB1 - 14 GB4 = GFB4 - 14		
	Glashöhe / Glass height			GHa = GFHa - 14		

* Flügelgewicht bis 250 kg
Leaf weight up to 250 kg

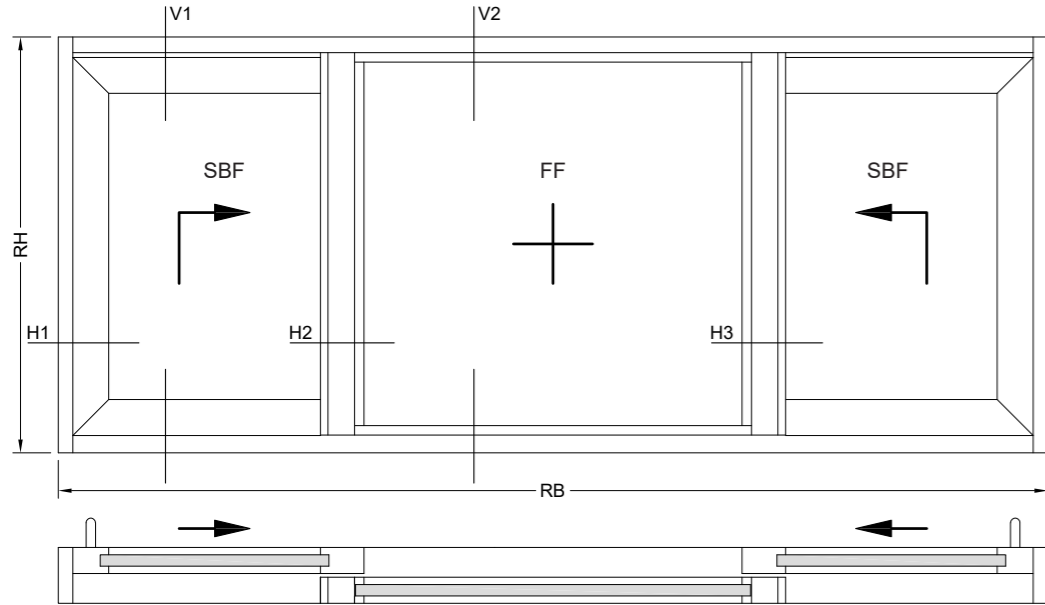
** Flügelgewicht bis 330 / 440 kg
Leaf weight up to 330 / 440 kg

Schema MK / Scheme MK

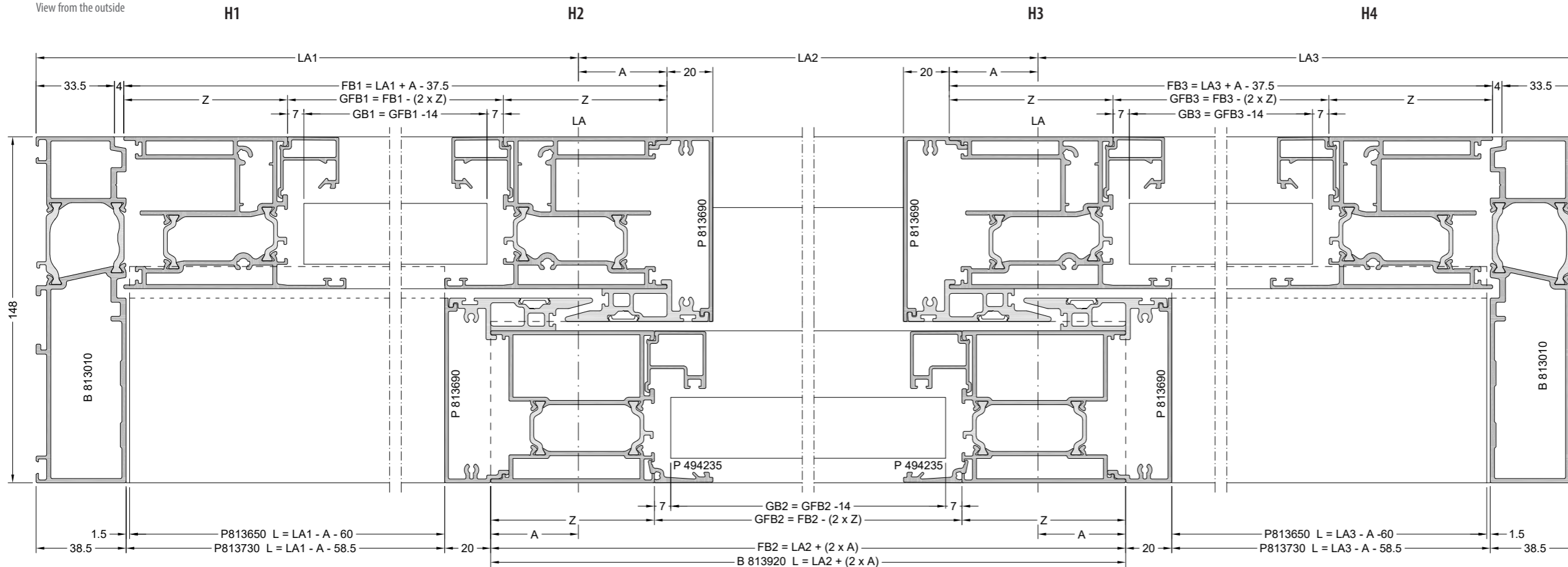
(wie gezeichnet / as drawn)

Monorail mit 3 Feldern
 Schiebeflügel links und rechts
 Festfeld mittig
 Primärer Flügel nach links und rechts öffnend

Monorail with 3 fields
 Sliding sashes left and right
 Fixed field in the middle
 Primary sash sliding to the left and right

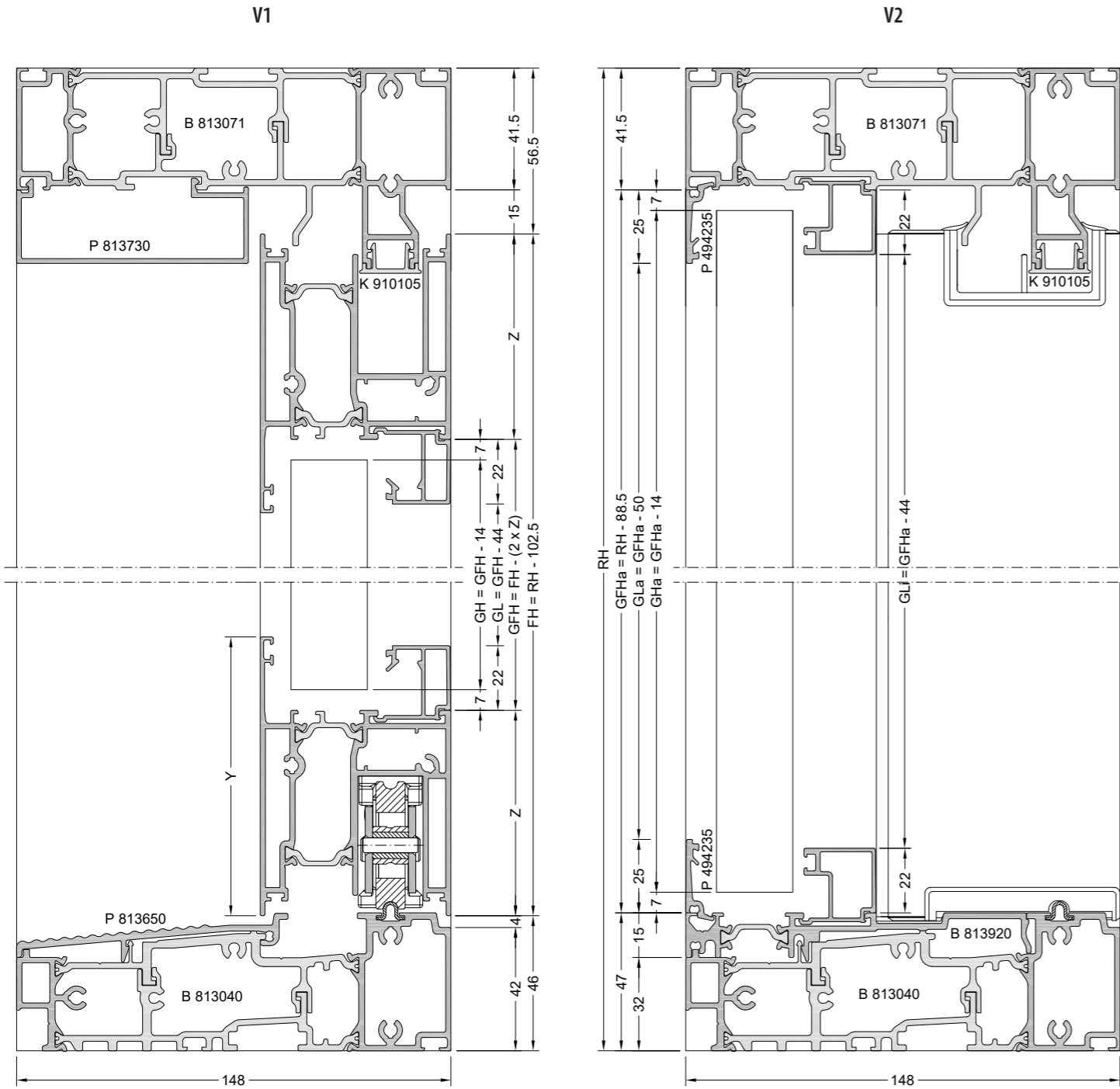


Ansicht von Aussen
 View from the outside



Abkürzungen Short cuts			
... a	außen (Festfeld) external (Fixed field)	GH	Glashöhe Glass height
... i	innen (Schiebeflügel) internal (Sliding sash)	GL	Glasleiste Glazing bead
AM	Achsmaß Axial dimension	L	Länge Length
FB	Flügelbreite / Feldbreite Sash width / Field width	LA	Labyrinth Achse Labyrinth axis
FF	Festflügel / Festfeld Fixed sash / Fixed field	PF	Primärer Flügel Primary sash
FH	Flügelhöhe / Feldhöhe Sash height / Field height	RB	Rahmenbreite Frame width
GB	Glasbreite Glass width	RH	Rahmenhöhe Frame height
GFB	Glasfalzbreite Glazing rebate width	SBF	Schiebeflügel Sliding sash
GFH	Glasfalzhöhe Glazing rebate height	SF	Sekundärer Flügel Secondary sash





Flügelprofil Sash profile	Y	Z	A	Verbund Composite	Sprosse Transom profile	Z	A
B 813232 *	83	58	31.5	schubfest shear-proof	B 813100 *	50	31
B 813233 *	83	58	31.5	schubweich flexible			
B 813234 **	95	70	37.5	schubfest shear-proof	B 813110 **	70	38
B 813235 **	95	70	37.5	schubweich flexible			

Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschnittlänge in mm Cutting length in mm	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Blendrahmen Fixed frame	B 813010	links / left	= RH	90° + 90°	1
		B 813080	rechts / right	= RH		1
		B 813071	oben / top	= RB - 80		1
		B 813040	unten / bottom	= RB - 80		1
	Sprosse Transom profile	B 813100 * / 110 **		= RH - 88.5		2
	Abdeckprofil Cover profile	P 813730	oben, außen top, external	= LA1 - A - 58.5 = LA3 - A - 58.5	90° + 90°	1 1
	Abdeckprofil Cover profile	P 813690	seitlich / lateral	= RH - 88.5		2
	Abdeckprofil, Kunststoff Cover profile, plastic	K 910105	oben, innen top, internal	= RB - 80		1
	Schwellenprofil Threshold profile	P 813650	unten, außen bottom, external	= LA1 - A - 60 = LA3 - A - 60		1 1
	Schwellenprofil Threshold profile	B 813920	unten, außen bottom, external	= LA2 + (2 x A)		1
	Laufschiene Roller rail	P 917260	unten, innen bottom, internal	= RB - 80		1
	Glasleiste, Breite Glazing bead, width	P 494235	oben und unten, außen top and bottom, external	= GFB2		2
	Glasleiste, Höhe Glazing bead, height	P 494235	seitlich, außen lateral, external	= GFHa - 50		2
	Schiebeflügel Sliding sash	B 813232 / 33 *	oben und unten top and bottom	FB1 = LA1 + A - 37.5 FB3 = LA3 + A - 37.5	45° + 45°	2
		B 813234 / 35 **				2
		B 813232 / 33 *	seitlich / lateral	= RH - 102.5		1
		B 813234 / 35 **				
	Abdeckprofil Cover profile	P 813690	seitlich / lateral	= RH - 102.5		2
	Labyrinthprofil Labyrinth profile	K 910153 *	Labyrinth / Labyrinth	SBF L = RH - 109.5 FF L = RH - 88.5		2
	Labyrinthprofil Labyrinth profile	K 910154 **				2
	Glasleiste, Breite Glazing bead, width	SBF	oben und unten top and bottom	= GFB1 = GFB3	90° + 90°	2 2
				Glasleiste, Höhe Glazing bead, height		seitlich / lateral	= GFH - 44	4
	Glasleiste, Breite Glazing bead, width	FF	oben und unten, innen top and bottom, internal	= GFB2		2
				Glasleiste, Höhe Glazing bead, height	seitlich, innen lateral, internal	= GFHa - 44	2
	Glasbreite / Glass width		SBF	GB1 = GFB1 - 14 GB3 = GFB3 - 14		
	Glashöhe / Glass height			GH = GFH - 14		
	Glasbreite / Glass width		FF	GB2 = GFB2 - 14		
	Glashöhe / Glass height			GHa = GFHa - 14		

* Flügelgewicht bis 250 kg
 Leaf weight up to 250 kg

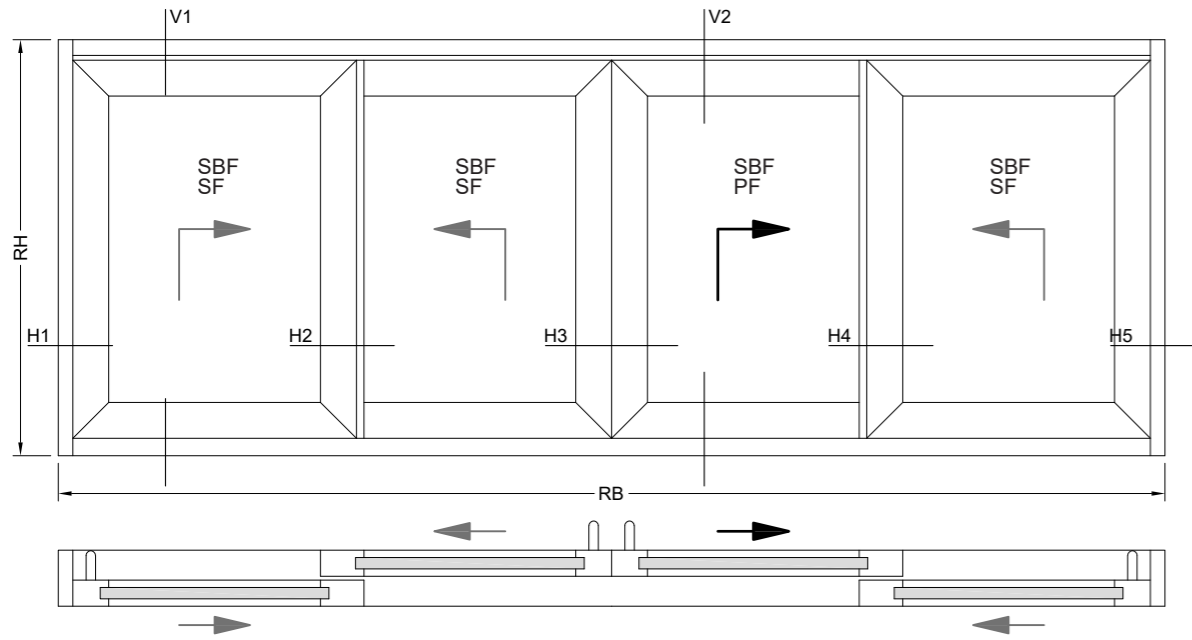
** Flügelgewicht bis 330 / 440 kg
 Leaf weight up to 330 / 440 kg

Schema F1 / Scheme F1

(wie gezeichnet / as drawn)

2-spurige Anlage mit 4 Feldern
 4 Schiebeflügel
 Primärer Flügel mittig nach links öffnend

Double-tracked system with 4 fields
 4 sliding sashes
 Primary sash in the middle sliding to the left



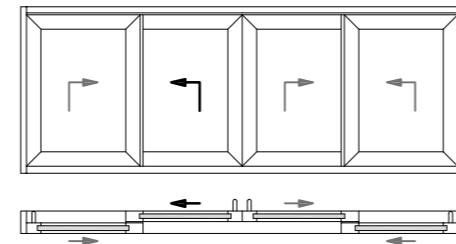
Ansicht von Aussen
 View from the outside

Schema F2 / Scheme F2

(spiegelbildlich / mirror image)

2-spurige Anlage mit 4 Feldern
 4 Schiebeflügel
 Primärer Flügel mittig nach rechts öffnend

Double-tracked system with 4 fields
 4 sliding sashes
 Primary sash in the middle sliding to the right

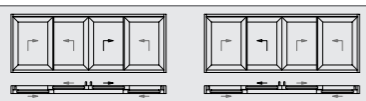
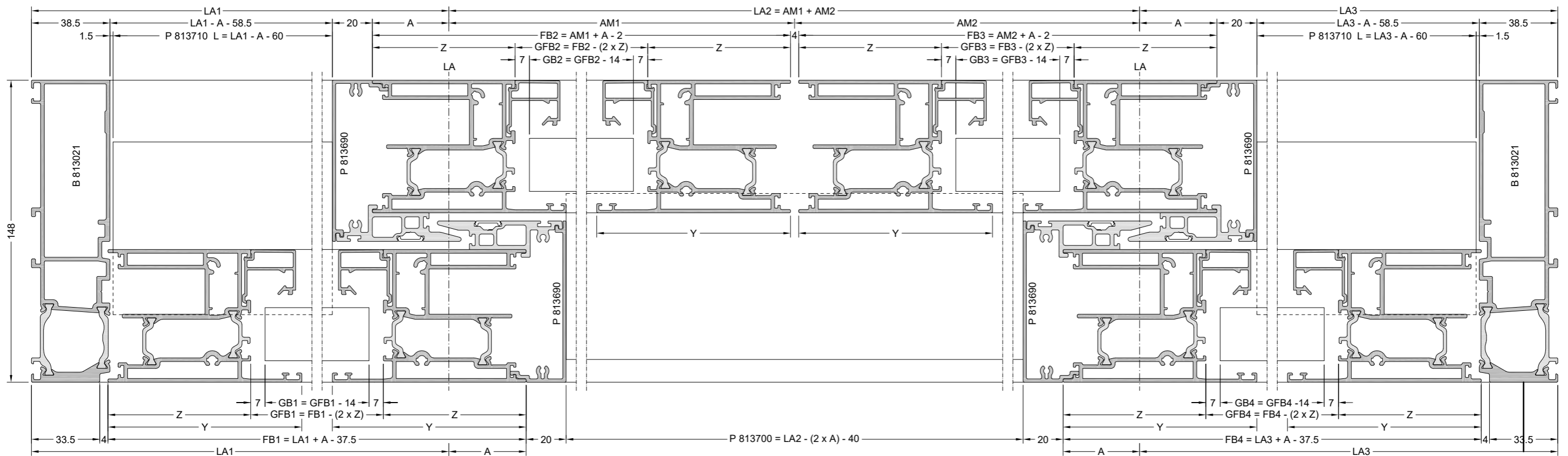


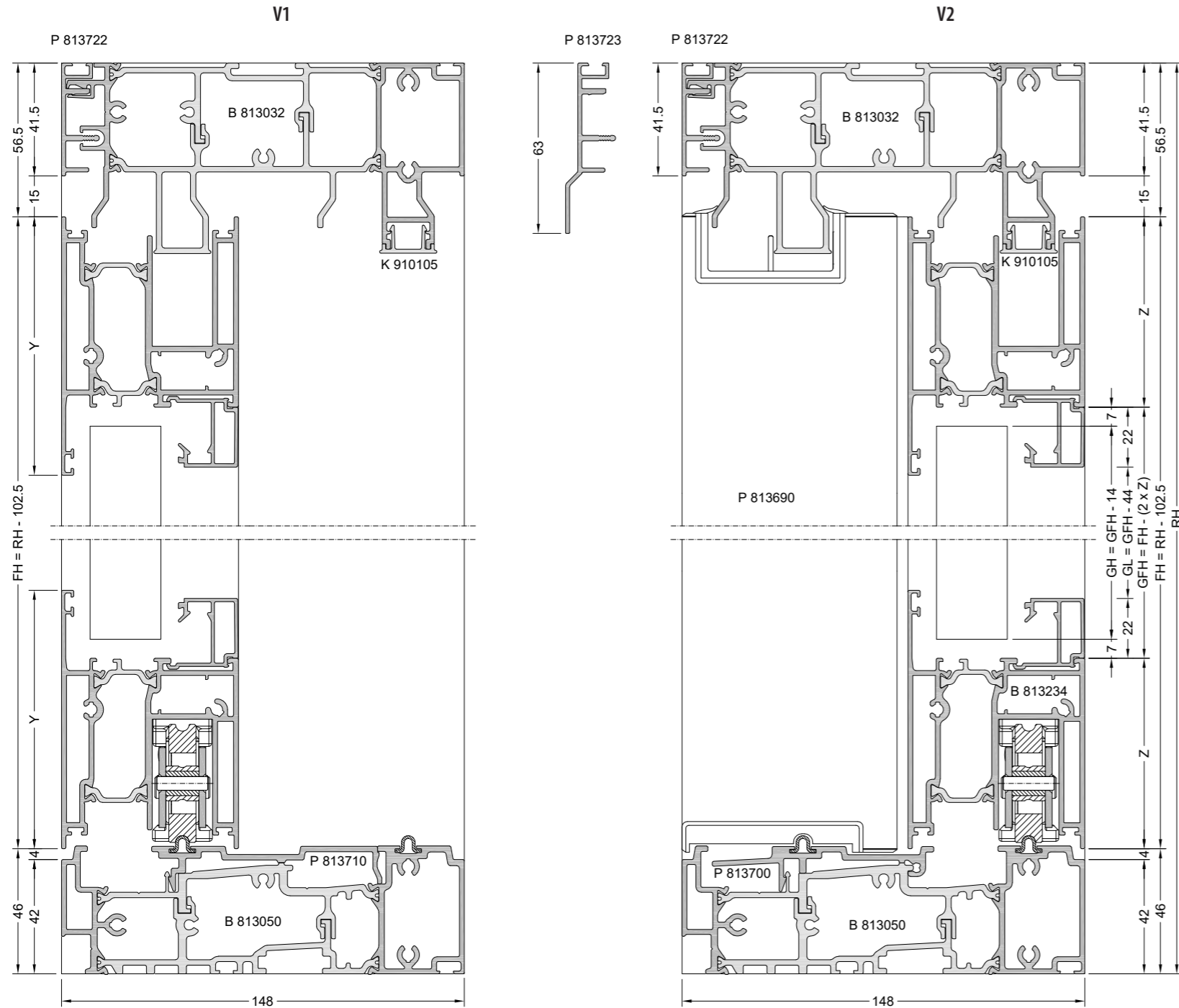
Für gleiche Flügelbreiten (Glasmaße):
 $LA1 \triangleq LA3 = (RB : 4) + 17.5$

For equally sash width (glass width):
 $LA1 \triangleq LA3 = (RB : 4) + 17.5$

Abkürzungen Short cuts			
... a	außen (Festfeld) external (Fixed field)	GH	Glashöhe Glass height
... i	innen (Schiebeflügel) internal (Sliding sash)	GL	Glasleiste Glazing bead
AM	Achsmaß Axial dimension	L	Länge Length
FB	Flügelbreite / Feldbreite Sash width / Field width	LA	Labyrinth Achse Labyrinth axis
FF	Festflügel / Festfeld Fixed sash / Fixed field	PF	Primärer Flügel Primary sash
FH	Flügelhöhe / Feldhöhe Sash height / Field height	RB	Rahmenbreite Frame width
GB	Glasbreite Glass width	RH	Rahmenhöhe Frame height
GFB	Glasfalzbreite Glazing rebate width	SBF	Schiebeflügel Sliding sash
GFH	Glasfalzhöhe Glazing rebate height	SF	Sekundärer Flügel Secondary sash

H1 H2 H3 H4 H5



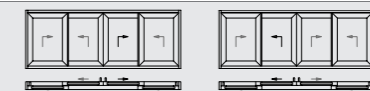


Schiebeflügel Sliding sash	Y	Z	A	Verbund Composite	Labyrinthprofil Labyrinth profile
B 813232 *	83	58	31.5	schubfest shear-proof	K 910153
B 813233 *	83	58	31.5	schubweich flexible	K 910153
B 813234 **	95	70	37.5	schubfest shear-proof	K 910154
B 813235 **	95	70	37.5	schubweich flexible	K 910154

Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) Position (outside view)	Zuschchnittlänge in mm Cutting length in mm	Zuschchnittwinkel Cutting angle	Anzahl Quantity
	Blendrahmen Fixed frame	B 813021	links / left	= RH	90° + 90°	1
		B 813021	rechts / right	= RH		1
		B 813032	oben / top	= RB - 80		1
		B 813050	unten / bottom	= RB - 80		1
	Abdeckprofil Cover profile	P 813722	oben, außen top, external	= RB - 80		1
	Abdeckprofil Cover profile	P 813723	oben, außen top, external	= RB		1
	Abdeckprofil, Kunststoff Cover profile, plastic	K 910105	oben, innen top, internal	= RB - 80		1
	Schwellenprofil Threshold profile	P 813700	unten, außen bottom, external	= LA2 - (2 x A) - 40		1
	Schwellenprofil Threshold profile	P 813710	unten, innen bottom, internal	= LA1 - A - 60 = LA3 - A - 60	1	
	Laufschiene Roller rail	P 917260	unten, innen bottom, internal	= RB - 80	1	
	Schiebeflügel Sliding sash	B 813232 / 33 *	oben und unten top and bottom	FB1 = LA1 + A - 37.5 FB2 = AM1 + A - 2 FB3 = AM2 + A - 2 FB4 = LA3 + A - 37.5	45° + 45°	2
		B 813234 / 35 **		2		
		B 813232 / 33 *	seitlich / lateral	= RH - 102.5		8
		B 813234 / 35 **		8		
	Abdeckprofil Cover profile	P 813690	seitlich / lateral	= RH - 102.5	4	
	Labyrinthprofil, Schiebeflügel Labyrinth profile, sliding sash	K 910153 *	Labyrinth / Labyrinth	= RH - 109.5	90° + 90°	4
	Labyrinthprofil, Schiebeflügel Labyrinth profile, sliding sash	K 910154 **				4
	Glasleiste, Breite Glazing bead, width	SBF (PF + SF)	oben und unten top and bottom	GL1 = GFB1 GL2 = GFB2 GL3 = GFB3 GL4 = GFB4	90° + 90°	2
	Glasleiste, Höhe Glazing bead, height	SBF (PF + SF)	seitlich / lateral	= GFH - 44		2
	Glasbreite / Glass width		SBF (PF + SF)	GB1 = GFB1 - 14 GB2 = GFB2 - 14 GB3 = GFB3 - 14 GB4 = GFB4 - 14		2
	Glashöhe / Glass height		SBF (PF + SF)	GH = GFH - 14		2

* Flügelgewicht bis 250 kg
Leaf weight up to 250 kg

** Flügelgewicht bis 330 / 440 kg
Leaf weight up to 330 / 440 kg



1. Anleitung für das Sägen der Profile

Die Doppelgehrungssäge ist vor Beginn der Fertigung auf ein korrektes Zuschnittergebnis anhand eines Probeschnittes in allen Ebenen des Sägeschnittes/Vorschubes zu überprüfen und ggf. einzustellen. Wärme gedämmte Profile sollten beim Sägen der Gehrung so aufgelegt werden, dass i.d.R. die Innenschale einer Baugruppe rechtwinklig zum Sägeanschnitt anliegt. So kann die Toleranzabweichung für die Funktion der Profilverbindungen, der Beschlagsaufnahme und der Glasleistenaufnahme minimiert werden. Wie in den nachfolgenden Abbildungen dargestellt, sind beim Sägen je nach Anlage der Profile entsprechende Unterlagen zu verwenden. Diese Unterlagen ergeben mitunter ein Differenzmaß zum eigentlichen Zuschnittmaß und sind bei der Längeneinstellung der Säge zu berücksichtigen.

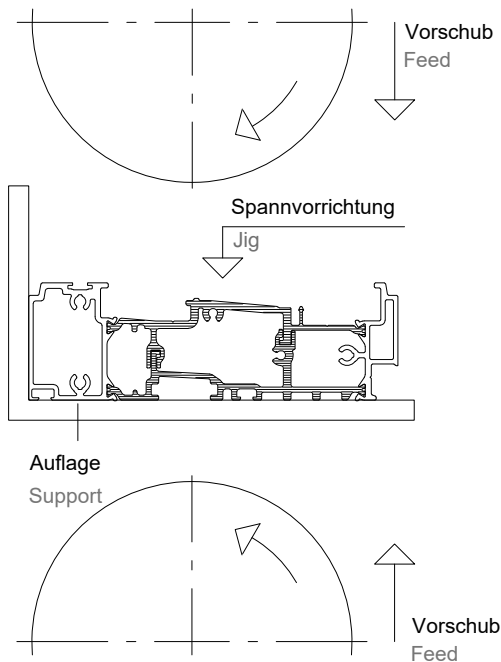


Abb. 1a
Illustration 1a

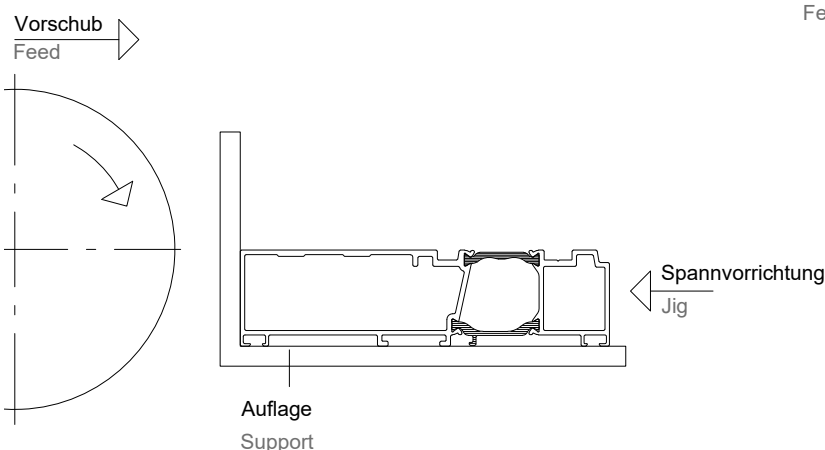


Abb. 1c
Illustration 1c

1. Instruction for sawing the profiles

Before starting production, the double mitre-box saw must be tested for correct cutting result by means of a test cut in all the layers of the saw cut/feed; if required, appropriate adjustments must be made. When sawing the mitre, thermally insulated profiles should be positioned in such a way that as a general rule, the inner shell of the profile is positioned at a right angle to the saw cut. Thus the tolerated variation for the function of the profile connections, the fitting housing and the glazing bead housing can be minimized. As shown in the illustrations below, appropriate shims must be used for sawing depending on the positioning point of the profile. In some cases, these shims result in a differential dimension as compared to the actual cutting to length dimension and must be taken into consideration when adjusting the saw length.

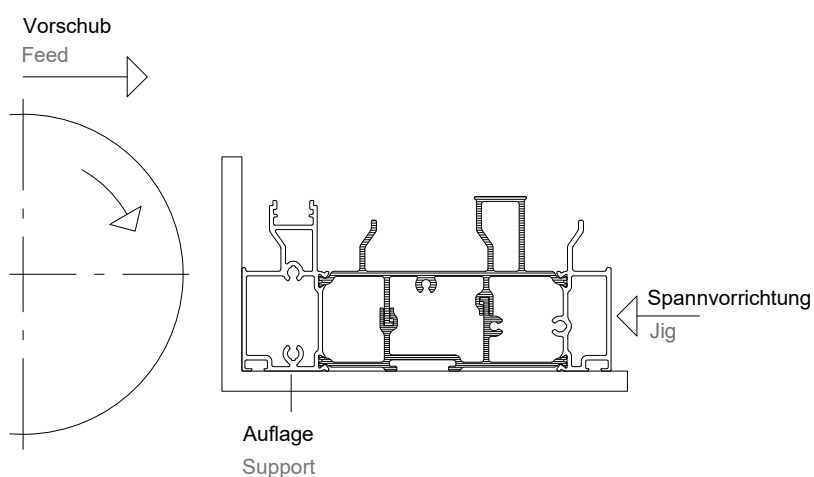


Abb. 1b
Illustration 1b

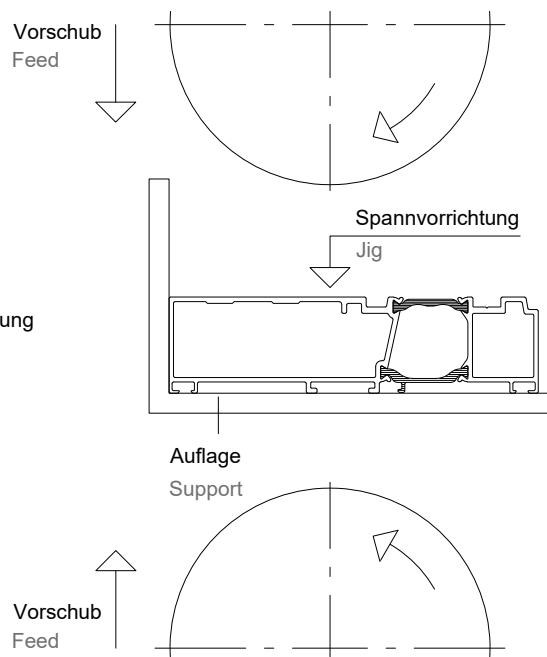


Abb. 1d
Illustration 1d

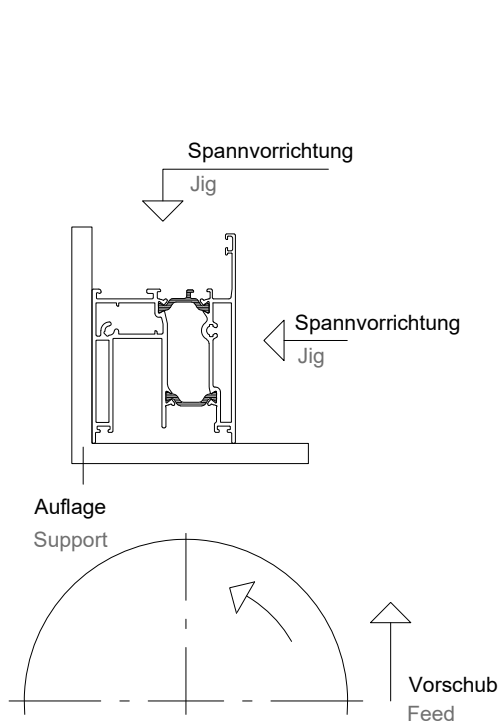


Abb. 1e
 Illustration 1e

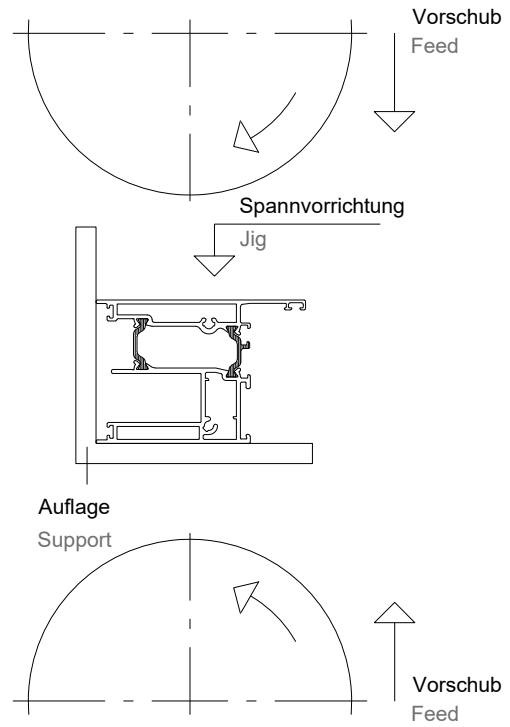


Abb. 1g
 Illustration 1g

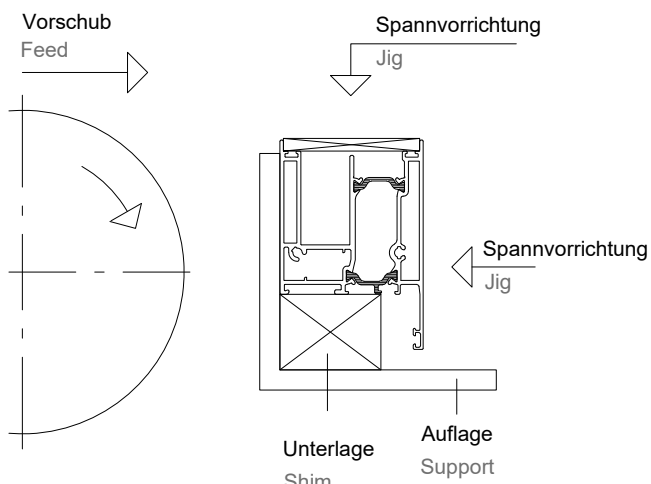


Abb. 1f
 Illustration 1f

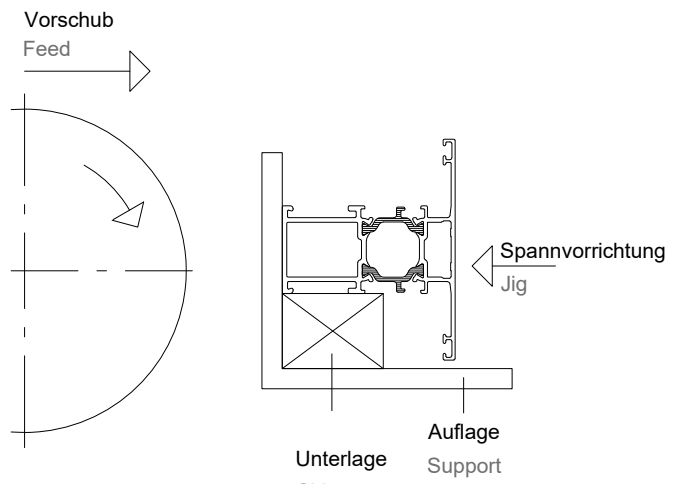
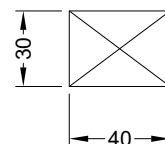
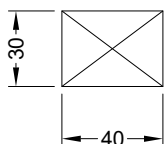
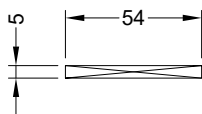
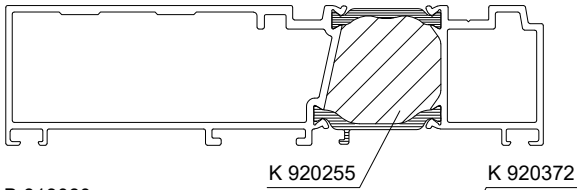


Abb. 1h
 Illustration 1h

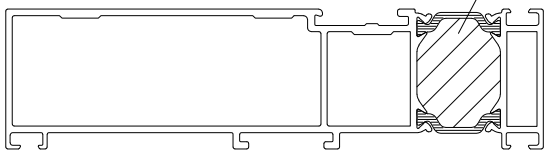


DÄMMKERNE
INSULATING CORES

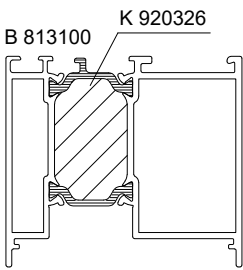
B 813010/ B813021



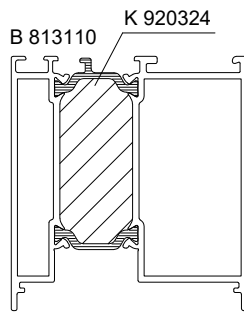
B 813080



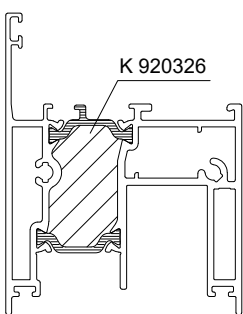
B 813100



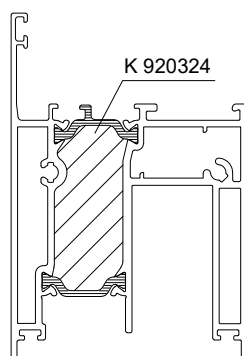
B 813110



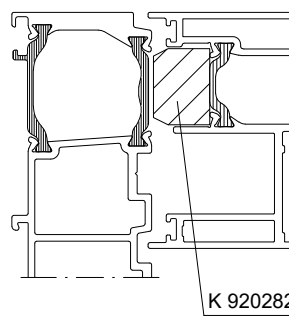
B 813232
B 813233



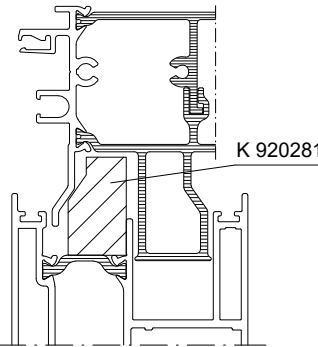
B 813234
B 813235



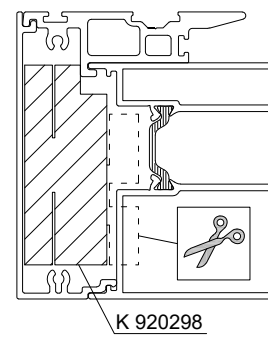
B 813232/ B 813233
B 813234/ B 813235



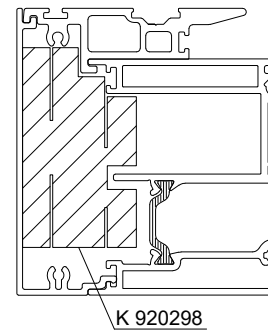
B 813032



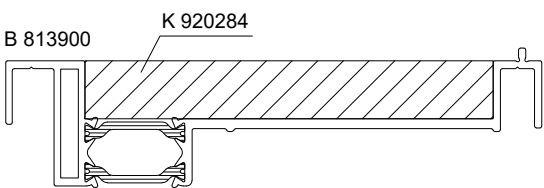
B 813100 + P 813690
B 813110 + P 813690



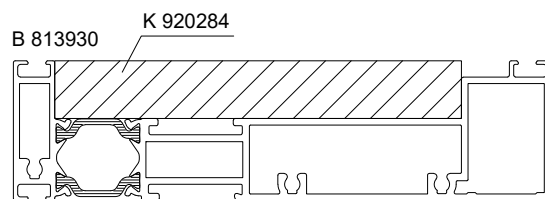
B 813232 / B 813232 + P 813690
B 813234 / B 813235 + P 813690



B 813900



B 813930



Artikel Nr. Article No.	Breite Width	Höhe Height	Länge Length	Profile Profiles
K 920255	31.6 mm	24.2 mm	1000 mm	B 813010, B 813021
K 920280	19 mm	31 mm	1000 mm	B 813232, B 813233, B 813234, B 813235
K 920281	16 mm	27 mm	1000 mm	B 813032
K 920282	15.5 mm	21 mm	1000 mm	B 813232, B 813233, B 813234, B 813235
K 920284	15.5 mm	112.5 mm	1000 mm	B 813900, B 813930
K 920298	31 mm	55 mm	1000 mm	B 813232, -233, -234, -235 + P 813690, B 813100, -110 + P 813690
K 920324	19 mm	45.5 mm	1000 mm	B 813234, B 813235, B 813110
K 920326	20 mm	34.5 mm	1000 mm	B 813232, B 813233, B 813100
K 920372	22 mm	28 mm	1000 mm	B 813080

Die Dämmkerne werden bei Bedarf vor dem Zuschnitt in die Isolierzonen der Profile geschoben

If required, the insulating cores are inserted into the insulating zones of the profiles before cutting

DAMPFDRUCKAUSGLEICH
VAPOUR PRESSURE EQUALIZATION

Planmäßig in die Konstruktion eindringendes Wasser im Bereich unter den Flügeln wird durch Entwässerungsöffnungen gezielt nach außen abgeführt.

Dampfdruckausgleich (Falzbelüftung) und Vorkammerentwässerung

Nach den Vorgaben der Isolierglashersteller ist der Randverbund (und somit der Glasfalz) grundsätzlich vor Feuchtigkeit zu schützen. Um zu verhindern, dass Kondensat im Glasfalzbereich entsteht, sind Verglasungen (Flügel sowie Festverglasungen) mit Dampfdruckausgleichsöffnungen zu versehen. Zusätzlich ist bei Festverglasungen z. B. durch Regenkappen zu verhindern, dass Wasser von außen in die Dampfdruckausgleichsöffnungen gedrückt wird.

Die Dampfdruckausgleichsöffnungen dürfen nicht durch Dichtungen bzw. Klotzbrücken verschlossen werden.

Zum schnelleren Dampfdruckausgleich werden bei den Fensterflügeln zusätzliche Belüftungsöffnungen seitlich im oberen vertikalen Eckbereich von der Isolierglasindustrie gefordert.

Grundsätzlich sind die Dampfdruckausgleichsöffnungen im unteren Falz anzubringen und können als Bohrungen mit einem Mindestdurchmesser von 8 mm bzw. als Langlöcher mit einer Mindestabmessung von 5 mm x 15 mm ausgeführt werden. Es sind mindestens 2 Öffnungen je Feld vorzusehen. Wird der Dampfdruckausgleich über eine geschlossene Profilvorkammer (äußere Eckwinkel-/Stoßverbinderkammer) nach außen geführt, müssen die oberen und unteren Öffnungen 50 mm gegeneinander versetzt angeordnet werden.
Hinweis: Bei Profilen mit eingeschobenen Dämmkernen, sind die Öffnungen ohne Versatz anzuordnen.

Allowed water penetrating into the construction in the area under the sashes is directly led to the outside via the drainage holes.

Vapour pressure equalization (rebate ventilation) and front chamber drainage

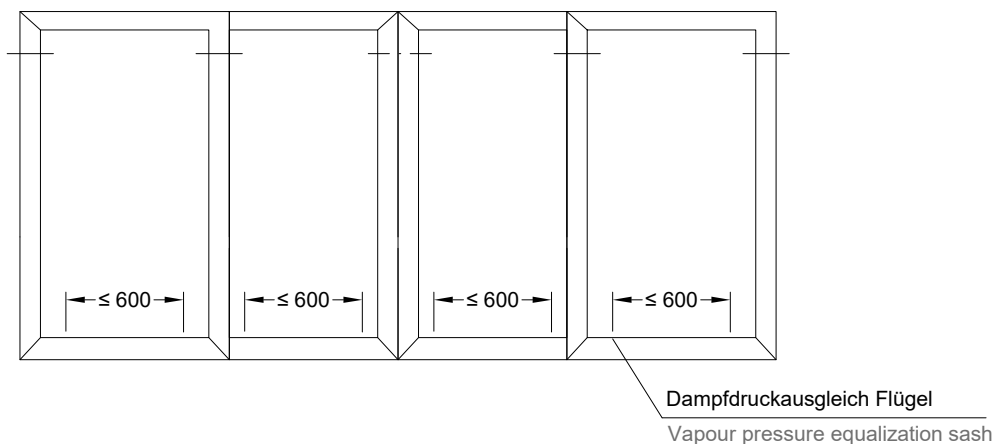
According to the specifications of the insulating glass manufacturer, the edge bonding (and thus the glazing rebate) must be protected from damp as a basic principle. To avoid the creation of condensate in the glazing rebate area, glazing (sashes as well as fixed glazing) must be equipped with vapour pressure equalization holes. In case of fixed glazing it must also be prevented that water is pressed into the vapour pressure equalization holes from the outside, e.g. by using drain caps.

The vapour pressure equalization holes must not be blocked by gaskets and / or glazing bridges.

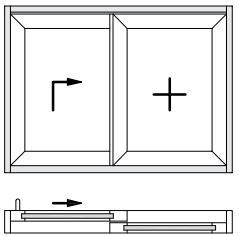
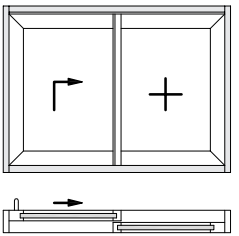
The insulating glass industry requires additional lateral ventilation openings in the upper vertical corner area to accelerate vapour pressure equalization of the window sashes.



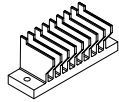








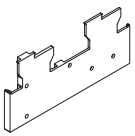
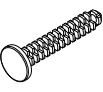
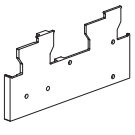

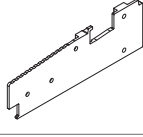
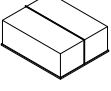
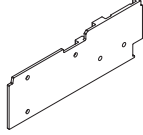

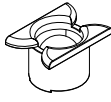
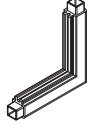
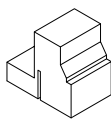
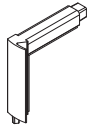
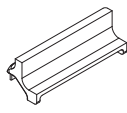
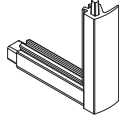
As a basic principle, the vapour pressure equalization holes are to be located in the lower rebate and can be designed as drill holes with a minimum diameter of 8 mm or as slots with a minimum dimension of 5 mm x 15 mm. At least 2 holes must be available in each field. If the vapour pressure equalization is led outside via a closed profile front chamber (outer corner bracket / T-joint chamber), the upper and the lower openings must be staggered by 50 mm against each other.

Note: For profiles with insulating cores inserted, the holes are to be aligned without staggering.

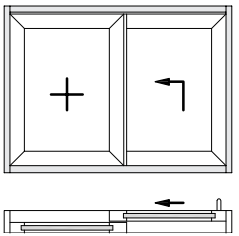
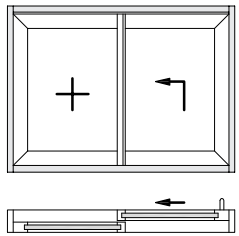


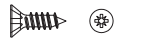
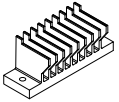
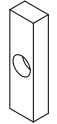




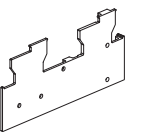
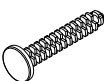
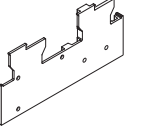

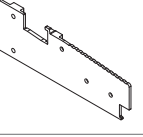

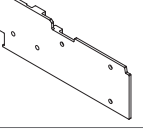

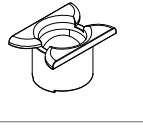
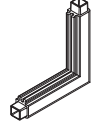
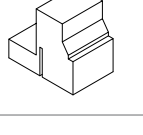
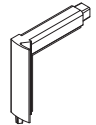
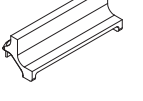
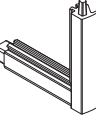
ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME

BLENDRAHMEN FIXED FRAME			
Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
A1			<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Festflügel rechts Primärer Flügel nach links öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, fixed sash right Primary sash sliding to the left</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity			
Z 997653	 	Z 900920	2		Z 923031	1		Z 917241	2
	 	Z 901273	25						
	 	Z 911939	5		Z 923032	1			
	 	Z 923094	20						
		Z 918989	1		Z 917184	4			
		Z 918987	1		Z 923030	4			
		Z 917223	1		Z 923029	2			
		Z 917225	1		Z 917634	25			
		Z 917253	1		Z 918345	2			
		Z 923148	1		Z 918493	2			
		Z 923018	2		Z 918494	2			

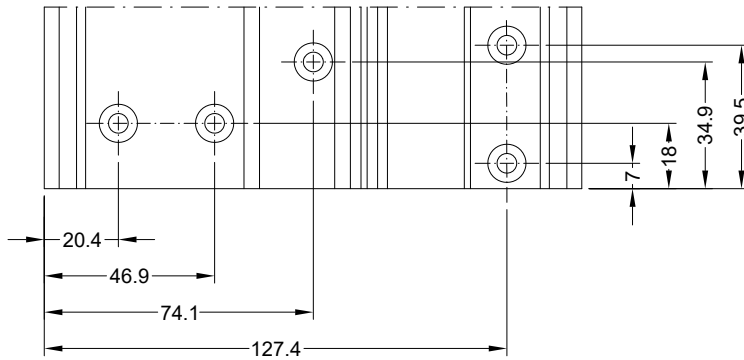
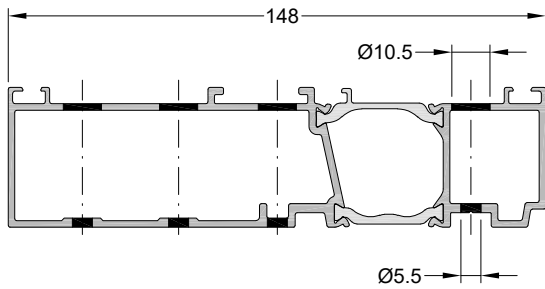
ZUBEHÖRSÄTZE • BLENDRAHMEN
 ACCESSORY SETS • FIXED FRAME

BLENDRAHMEN FIXED FRAME			
Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
A2			<p>2-spurige Anlage mit 2 Feldern Schiebeflügel rechts, Festflügel links Primärer Flügel nach rechts öffnend</p> <p>Double-tracked system with 2 fields Sliding sash right, fixed sash left Primary sash sliding to the right</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity
Z 997654	 Z 900920	2	 Z 923031	1	 Z 917241	2
	 Z 901273	25				
	 Z 911939	5	 Z 923032	1		
	 Z 923094	20				
	 Z 918990	1	 Z 917184	4		
	 Z 918988	1	 Z 923030	4		
	 Z 917222	1	 Z 923029	2		
	 Z 917224	1	 Z 917634	25		
	 Z 917253	1	 Z 918345	2		
	 Z 923148	1	 Z 918493	1		
	 Z 923018	2	 Z 918494	1		

ECKVERBINDUNGEN
 CORNER CONNECTIONS

B 813010



Ø 5.5 / Ø 10.5
 Z 917401

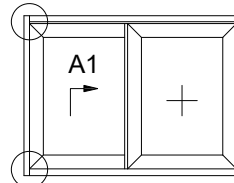
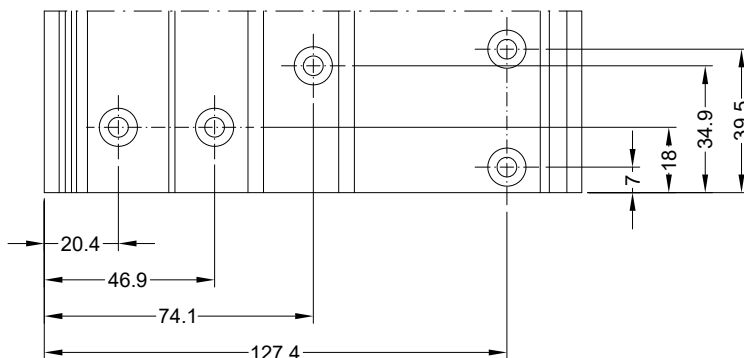
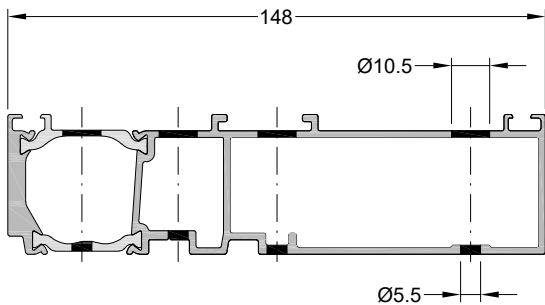


Ø 5.5 / Ø 10.5
 Z 914820

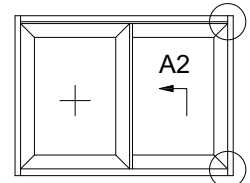


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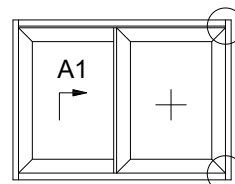
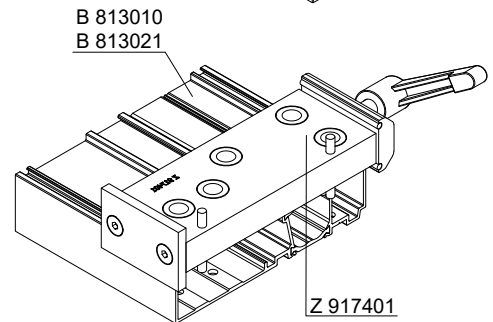
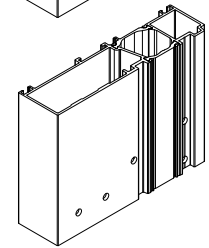
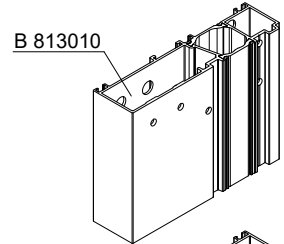
B 813021



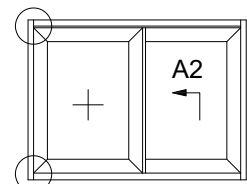
Schema A1 dargestellt
 Schema A1 shown



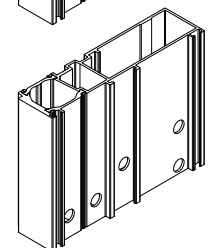
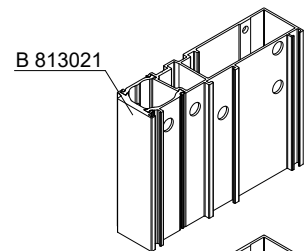
Schema A2 spiegelbildlich
 Schema A2 mirror-inverted



Schema A1 dargestellt
 Schema A1 shown

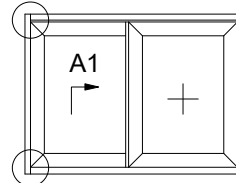
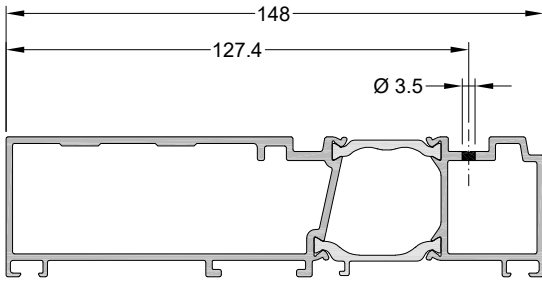


Schema A2 spiegelbildlich
 Schema A2 mirror-inverted

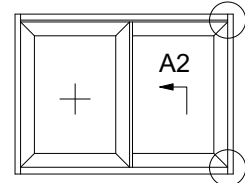


ANSCHLAGPUFFER
 STOP BUFFER

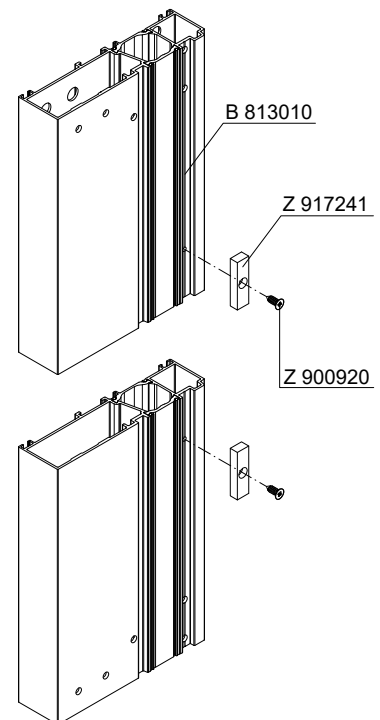
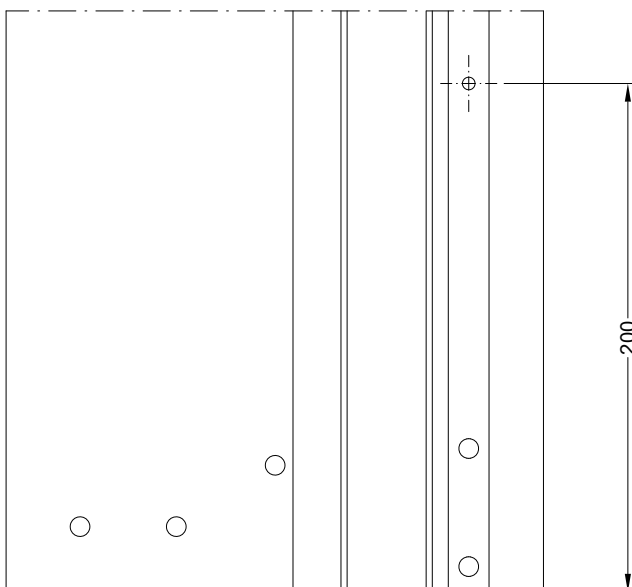
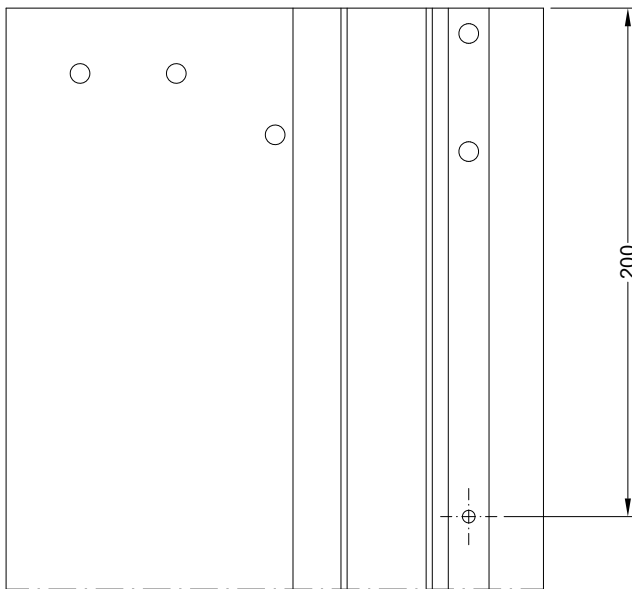
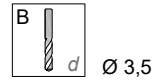
B 813010



Schema A1 dargestellt
 Scheme A1 shown

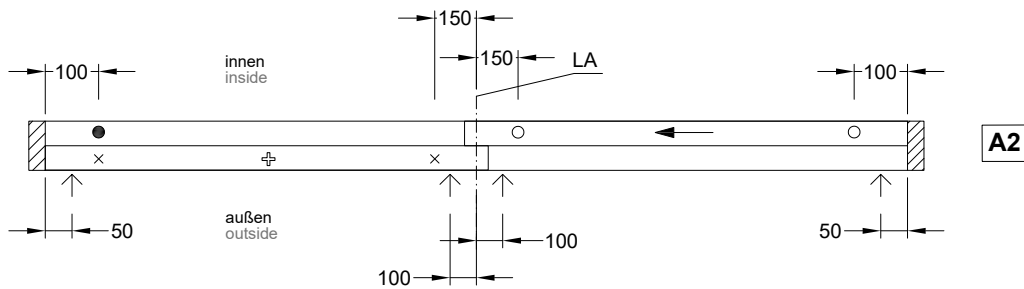
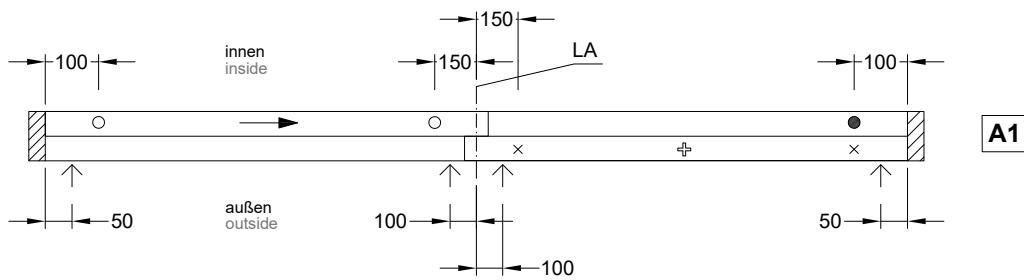
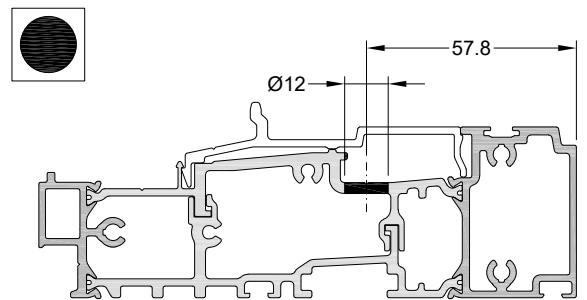
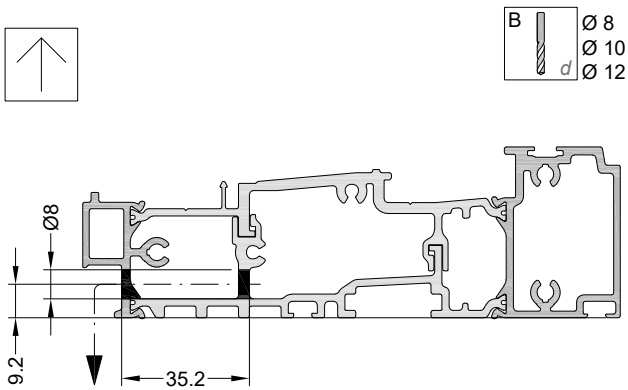
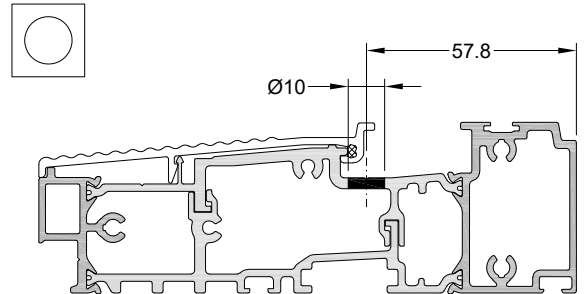
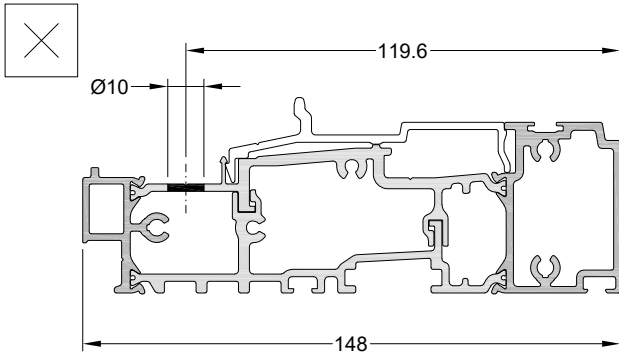
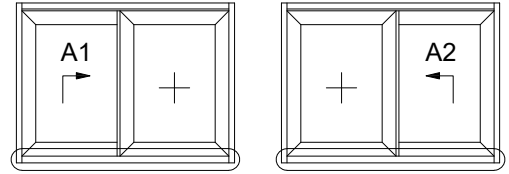


Schema A2 spiegelbildlich
 Scheme A2 mirror-inverted



ENTWÄSSERUNG
DRAINAGE

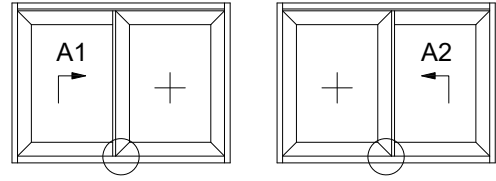
B 813040



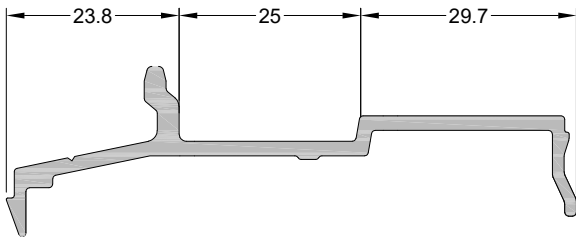
- | | | | |
|---|--------------------------------|---|----------------------------------|
| × | Bohrung Ø10 | × | drill hole Ø10 |
| ○ | Bohrung Ø10 | ○ | drill hole Ø10 |
| ↑ | Bohrung Ø8 | ↑ | drill hole Ø8 |
| ● | Bohrung Ø12
für Kugelventil | ● | drill hole Ø12
for ball valve |

ENTWÄSSERUNG
 DRAINAGE

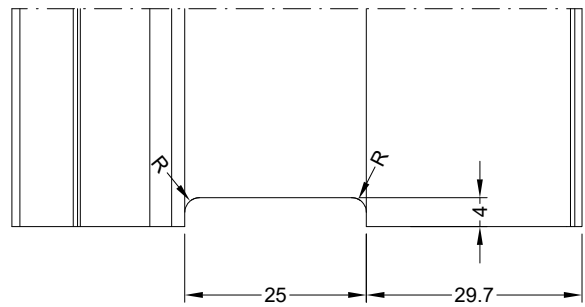
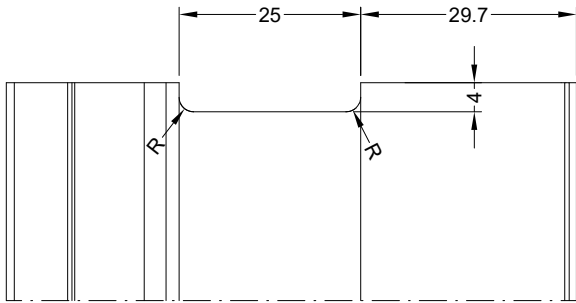
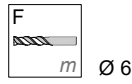
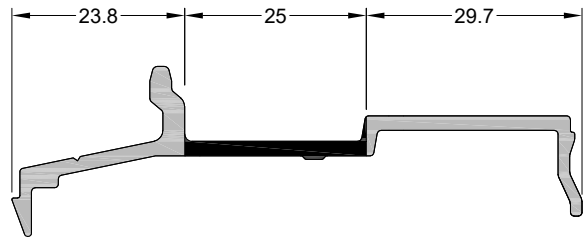
P 813660



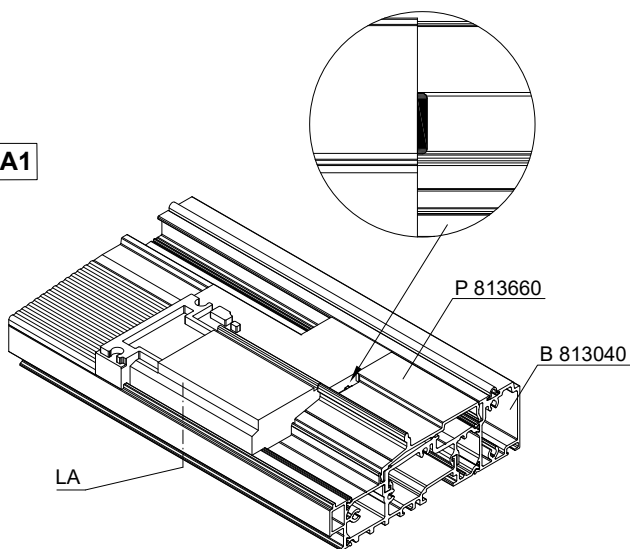
A1



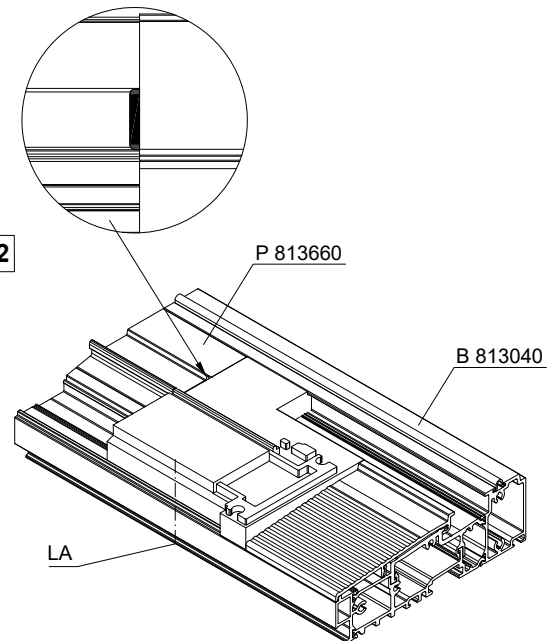
A2



A1



A2



BELÜFTUNG
 VENTILATION

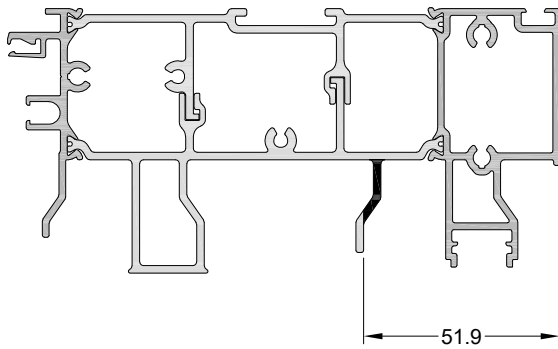
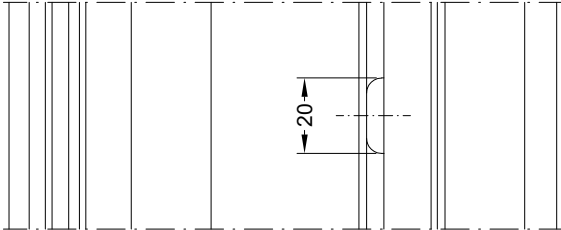
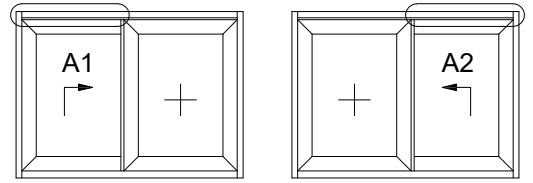
B 813032



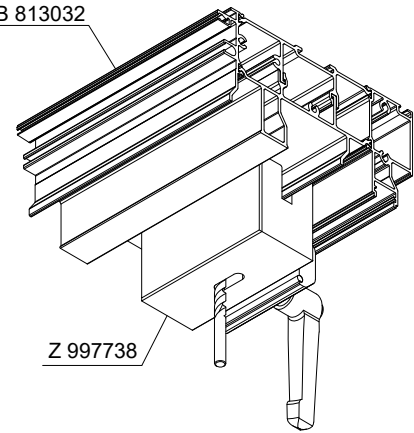
Z 997738



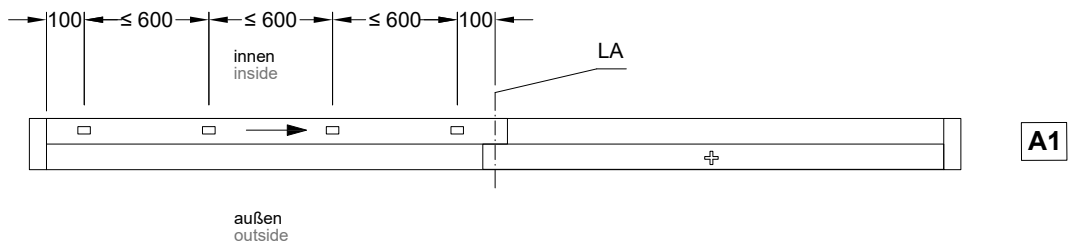
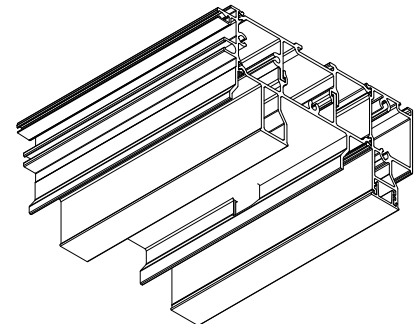
Ø 6



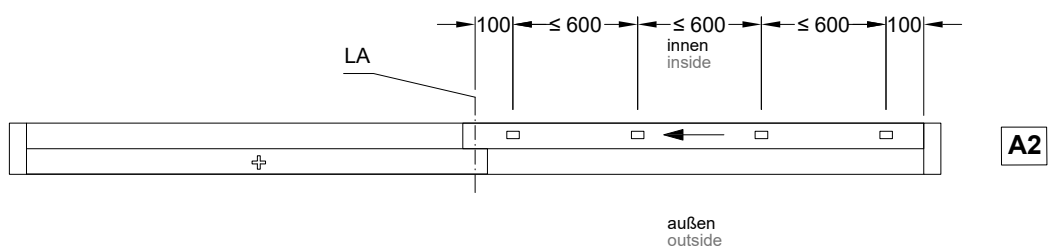
B 813032



Z 997738



A1



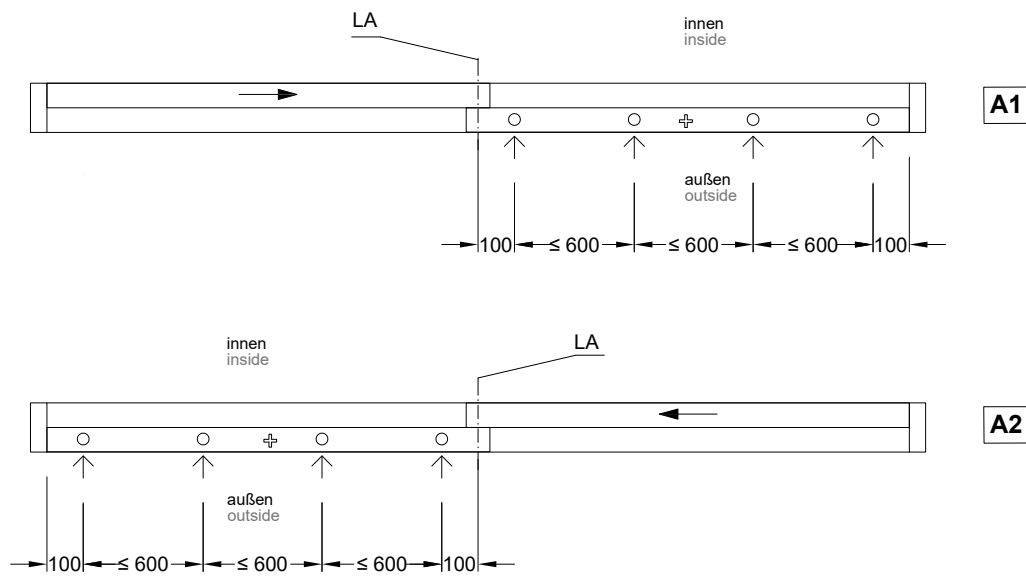
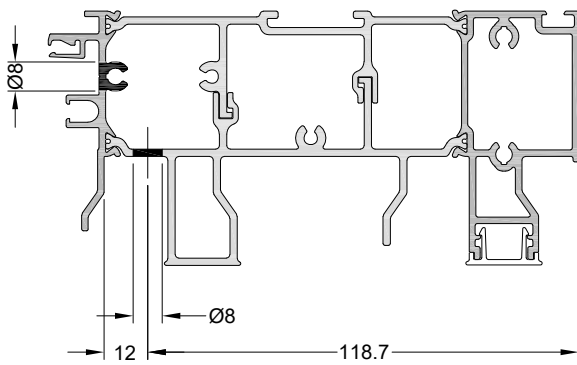
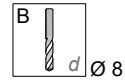
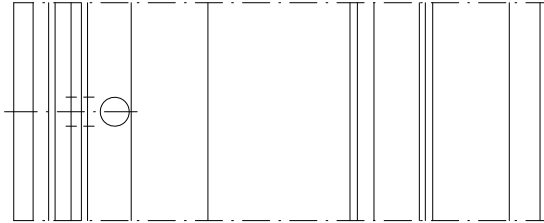
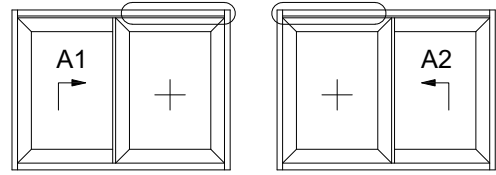
A2

□ Fräsung Ø6

□ milling Ø6

BELÜFTUNG
 VENTILATION

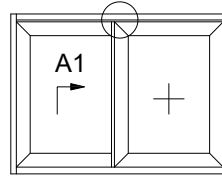
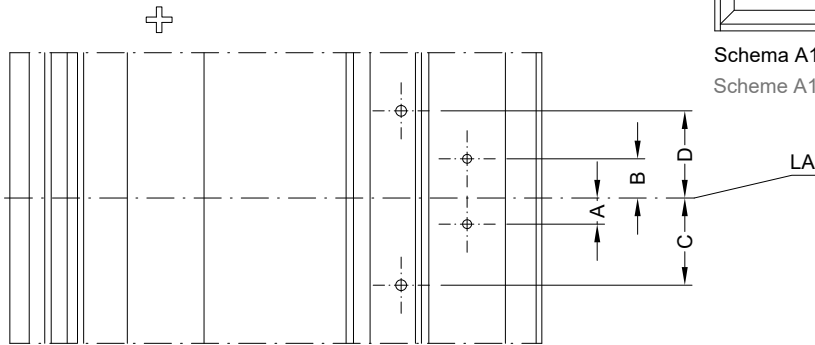
B 813032



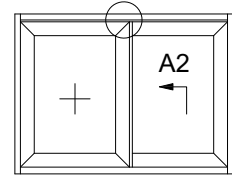
- Bohrung Ø8 ○ drill hole Ø8
- ↑ Bohrung Ø8 ↑ drill hole Ø8

DICHTFORMTEIL
 SHAPED GASKET PIECE

B 813032 + K 910105

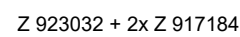
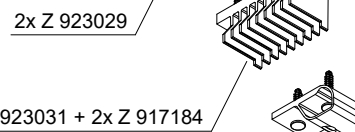
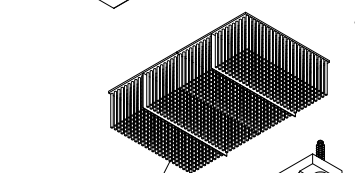
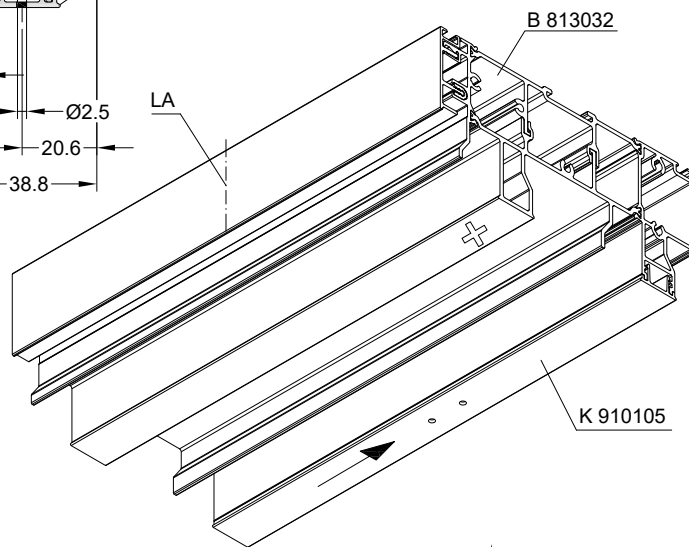
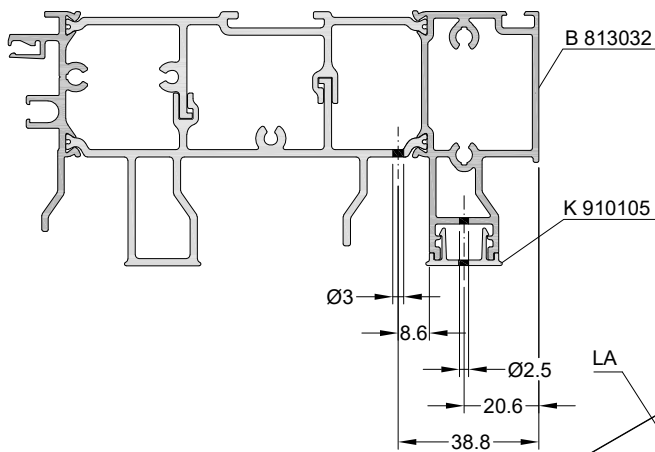
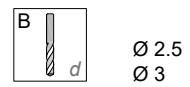


Schema A1 dargestellt
 Schema A1 shown



Schema A2 spiegelbildlich
 Schema A2 mirror-inverted

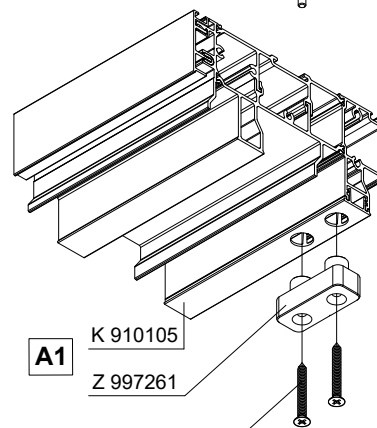
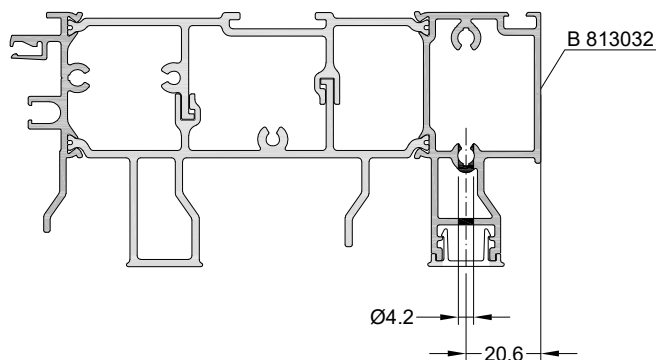
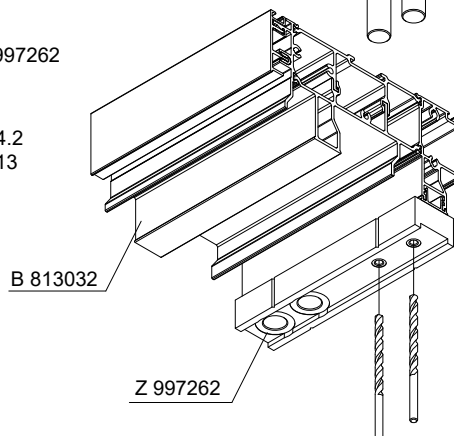
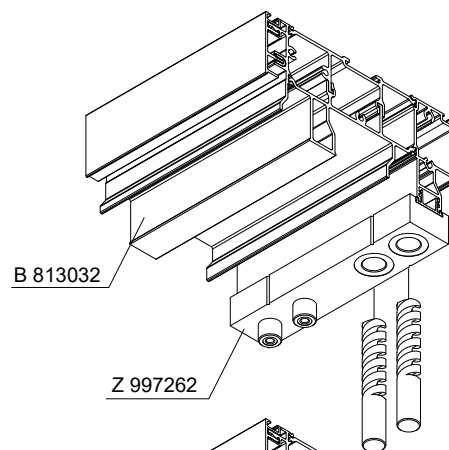
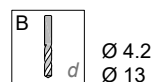
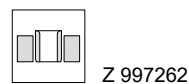
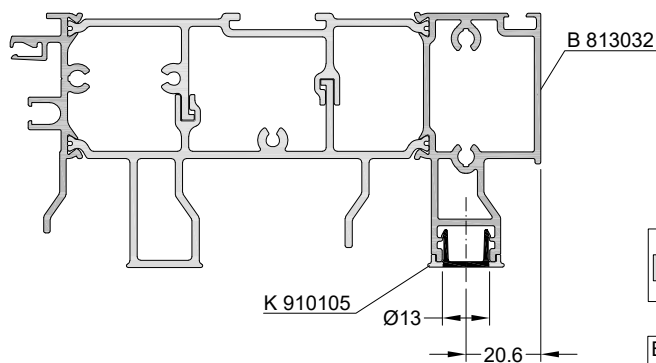
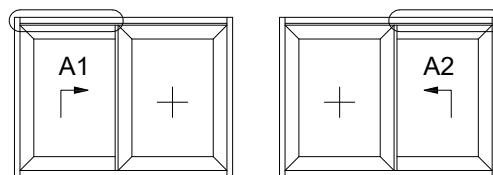
	A	B	C	D
B 813234	7	11	24	24
B 813235	7	11	24	24
B 813232	13	5	30	18
B 813233	13	5	30	18



WINDSICHERUNG
 WIND PROTECTION

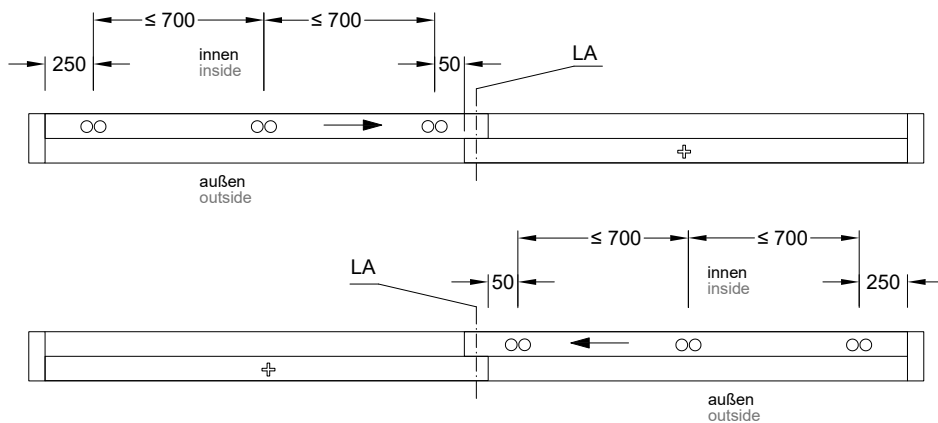
Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa

B 813032 + K 910105



A1

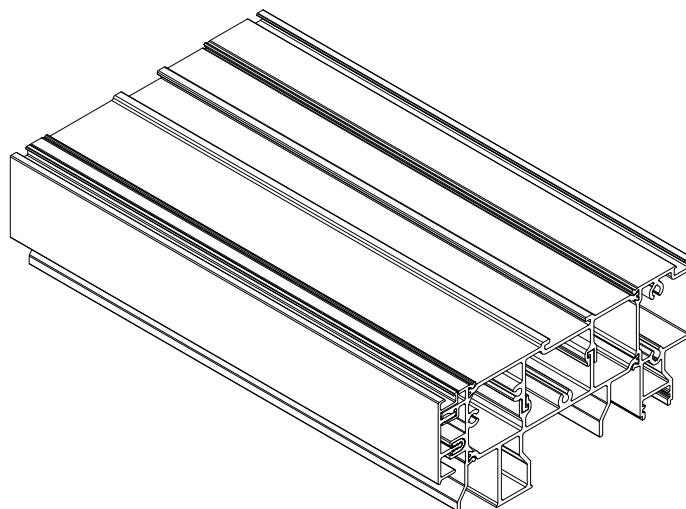
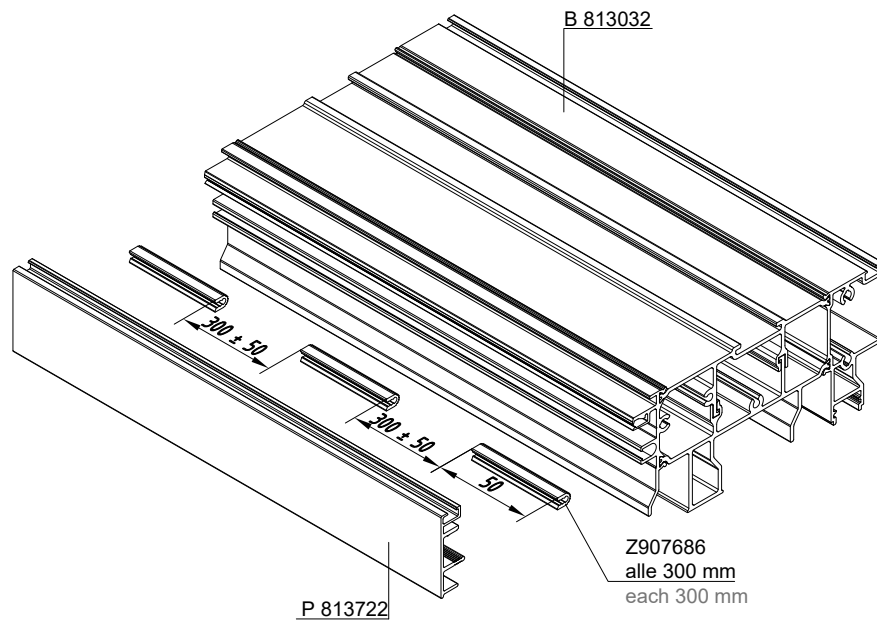
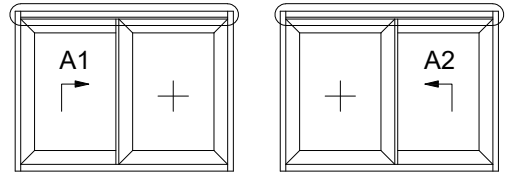
A2

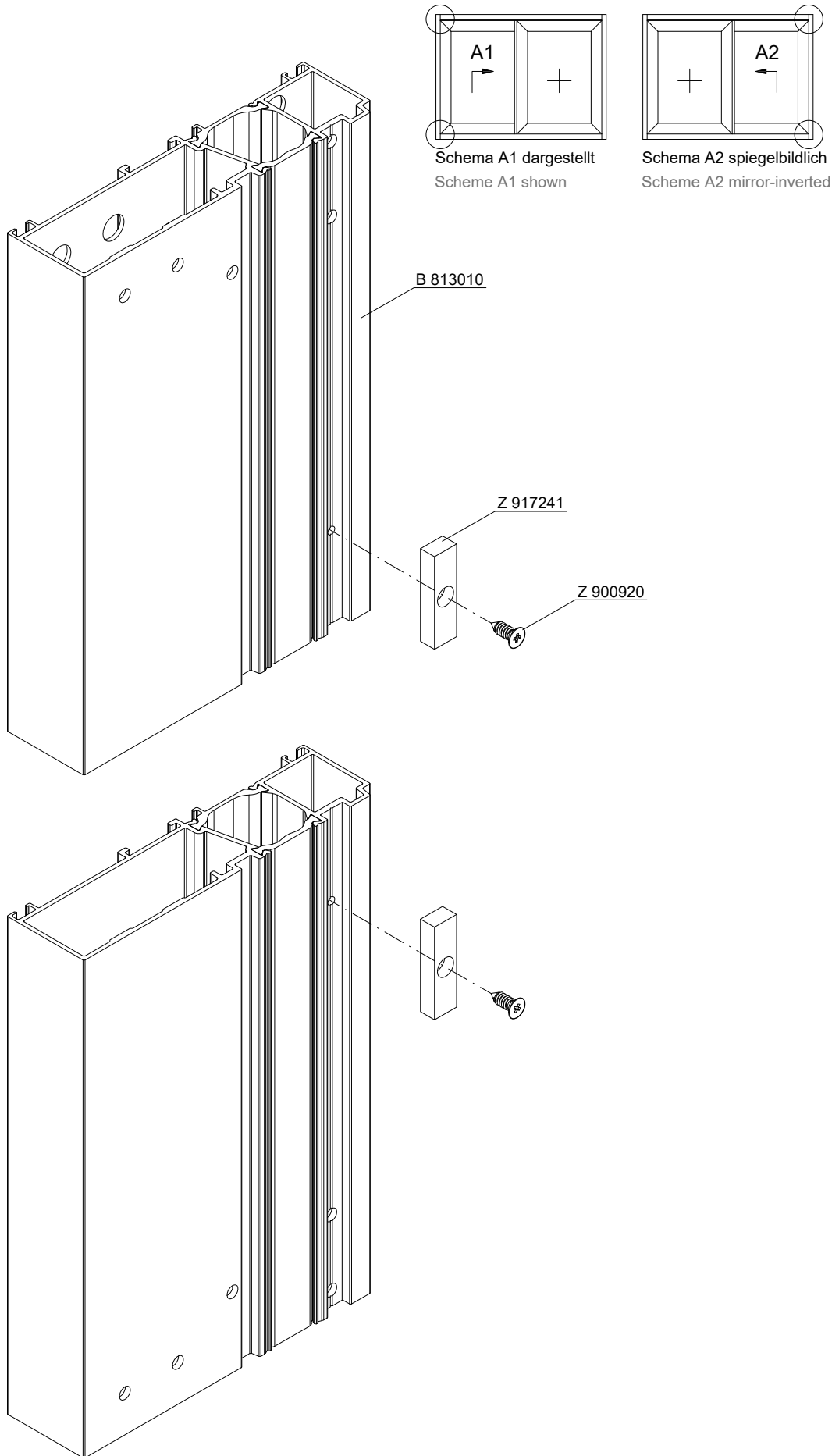


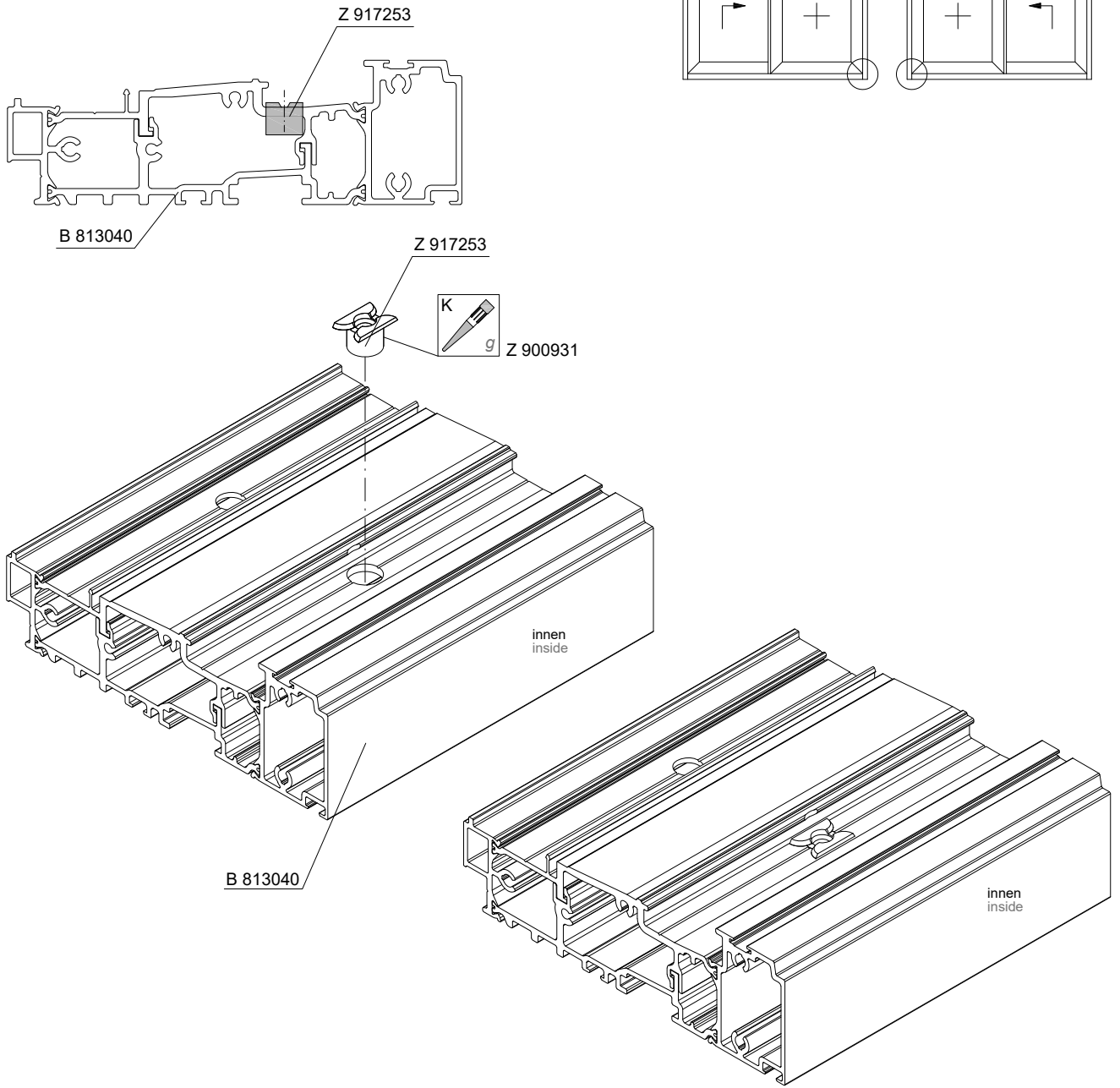
∅ Bohrung Ø13 / Ø4.3

∅ drill hole Ø13 / Ø4.3

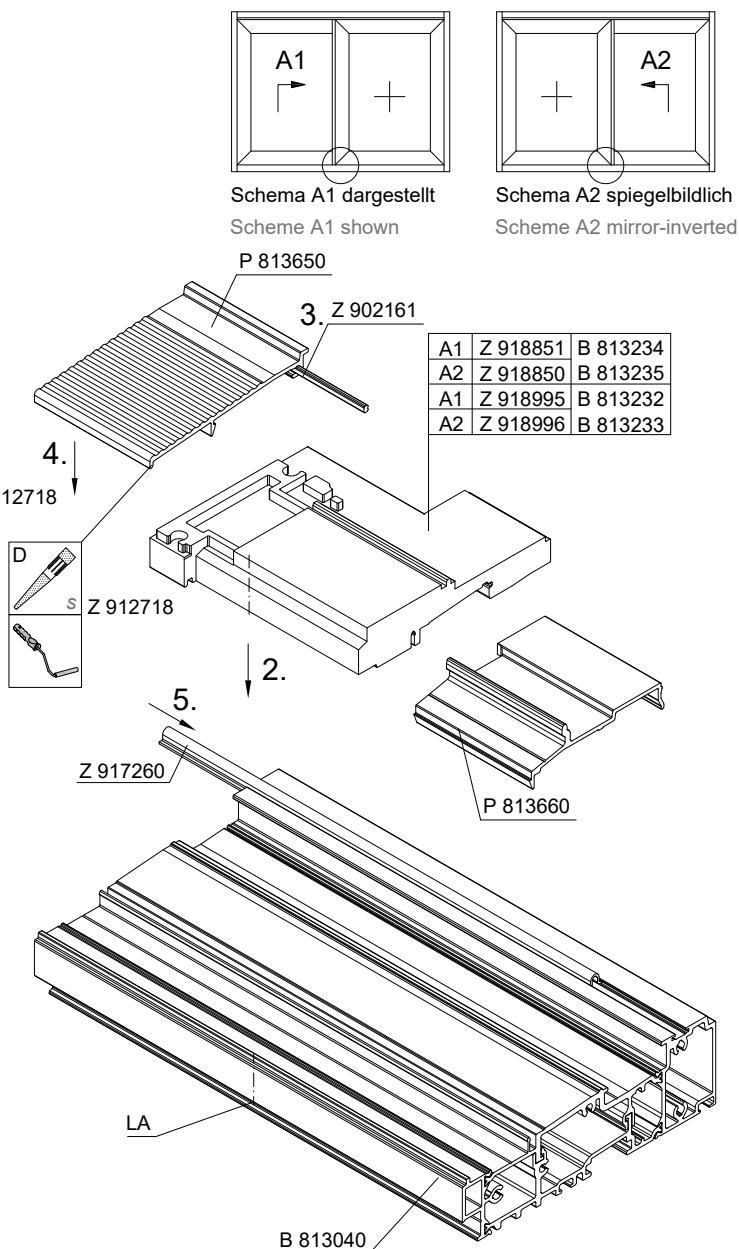
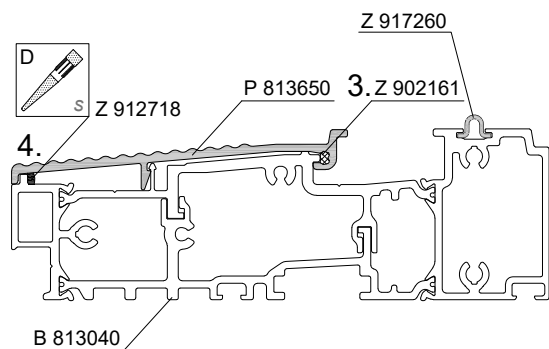
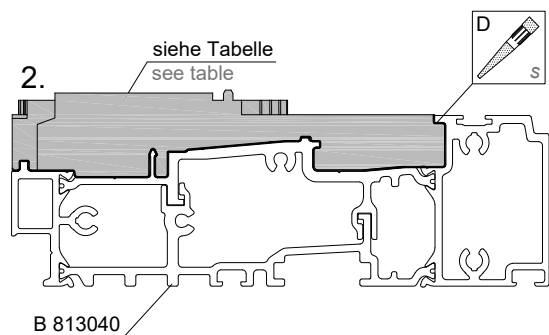
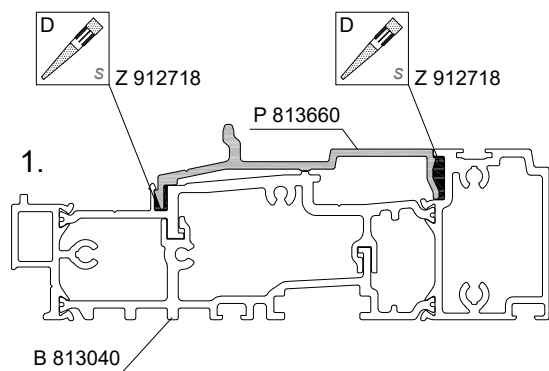
MONTAGE • ZUSATZPROFIL / BELÜFTUNG
ASSEMBLY • SUPPLEMENTARY PROFILE / VENTILATION







MONTAGE • LABYRINTHBEREICH
 ASSEMBLY • LABYRINTH AREA

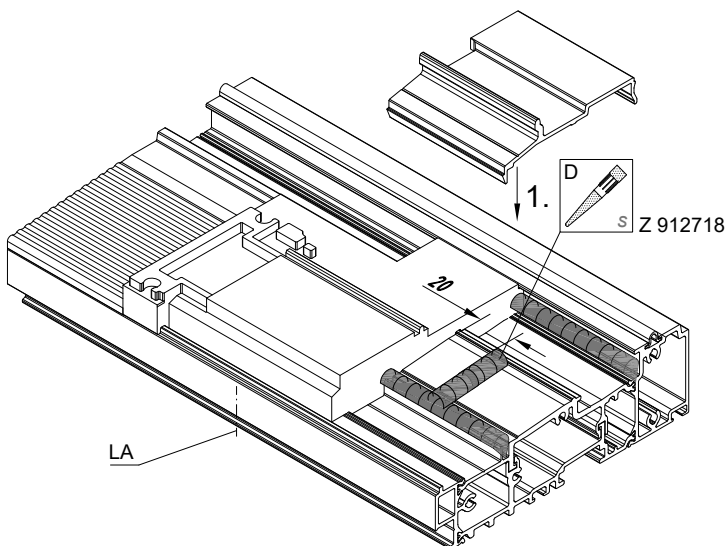


Bearbeitungsschritte Schema A1

1. Dichtstoff auf Blendrahmen B 813040 aufbringen und P 813660 von außen gesehen rechts bündig auf B 813040 einklipsen
2. Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu Profil P 813660 einsetzen
3. Dichtungsgrundsnur Z 902161 in Profil P 813650 eindrücken
4. Dichtstoff auf Blendrahmen B 813040 und Profil P 813650 aufbringen und P 813650 bündig zum Dichtungsformteil einklipsen
5. Laufschiene Z 917260 einschieben

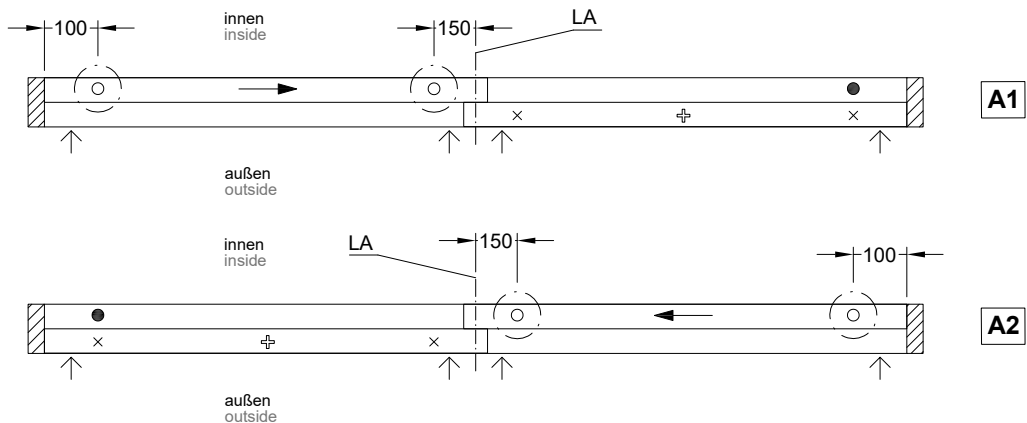
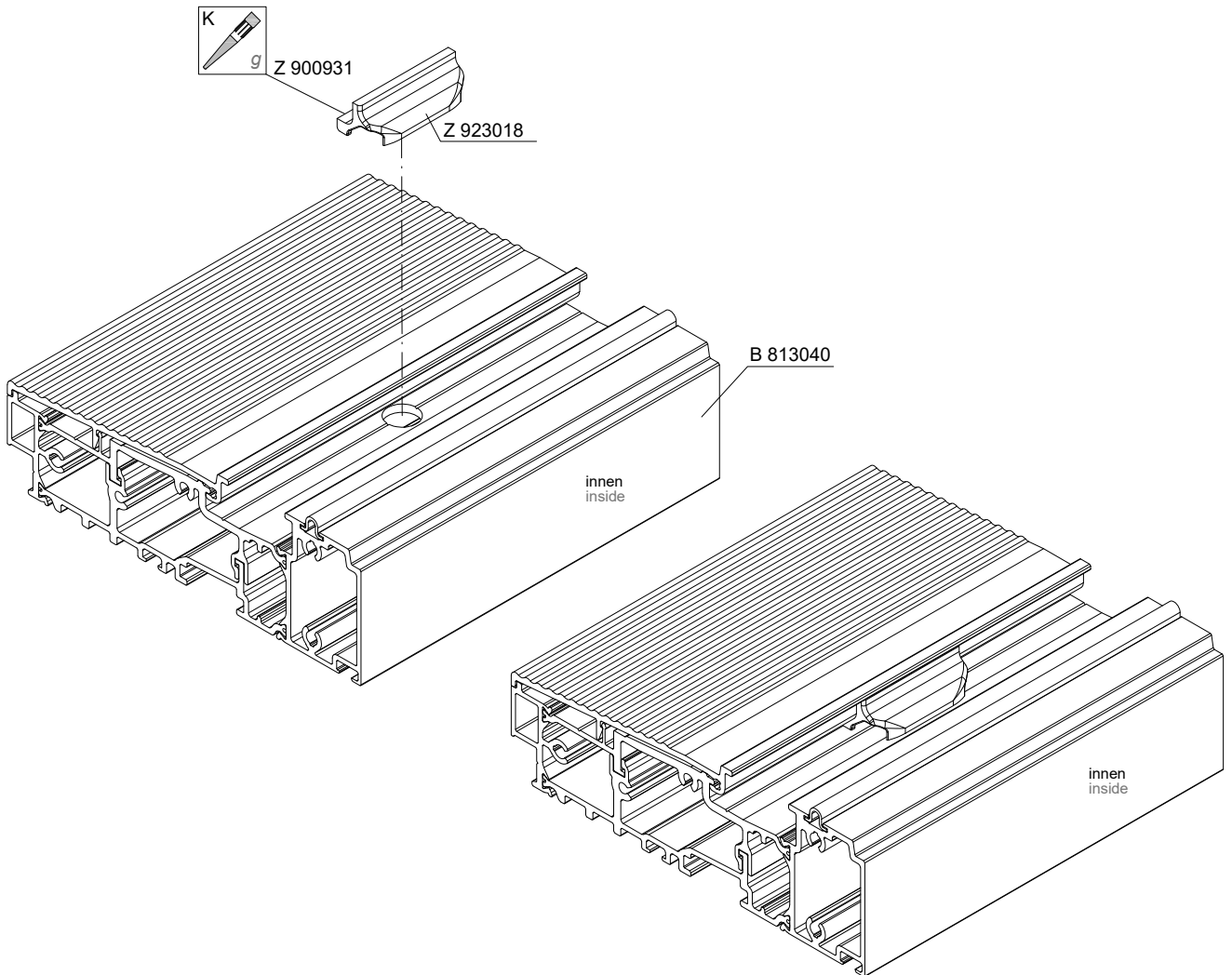
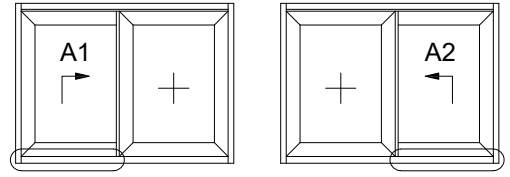
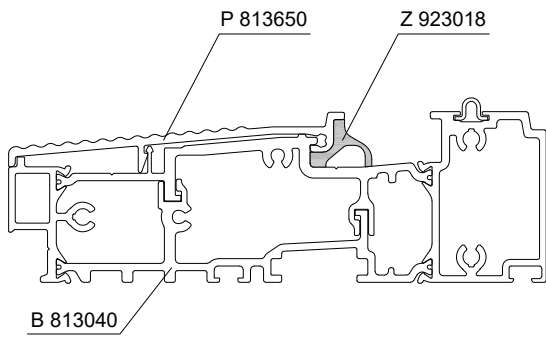
Processing steps scheme A1

1. Apply sealing compound to fixed frame B 813040 and snap on P 813660 flush with B 813040 (right side flush, seen from external)
2. Fix the shaped gasket piece (see table) with sealing compound flush to profile P 813660
3. Insert gasket cord Z 902161 in profile P 813650
4. Apply sealing compound to fixed frame B 813040 and profile P 813650 and snap on P 813650 flush with shaped gasket piece
5. Slide in the rail Z 917260

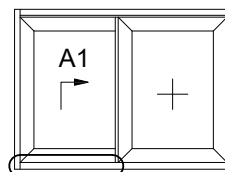
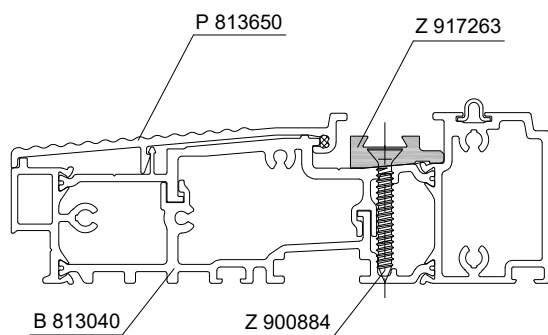


MONTAGE • BELÜFTUNG / ENTWÄSSERUNG
 ASSEMBLY • VENTILATION / DRAINAGE

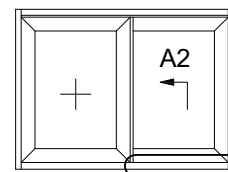
2B
 Schema A
 Schema A



MONTAGE • ZUSATZVERRIEGELUNG
 ASSEMBLY • ADDITIONAL LOCKING

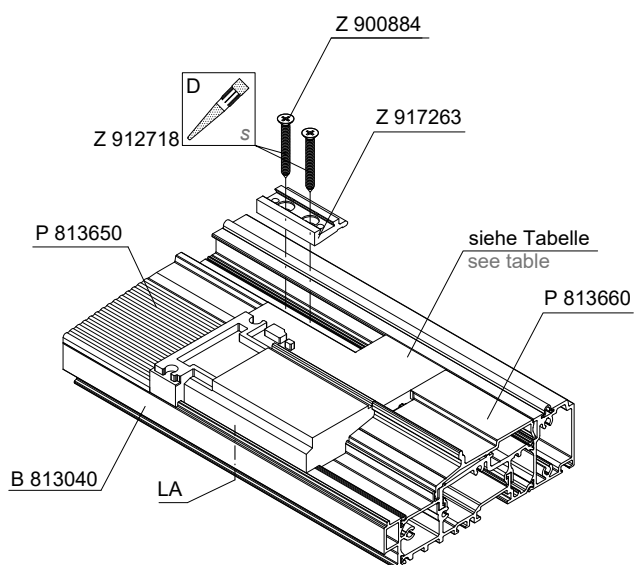
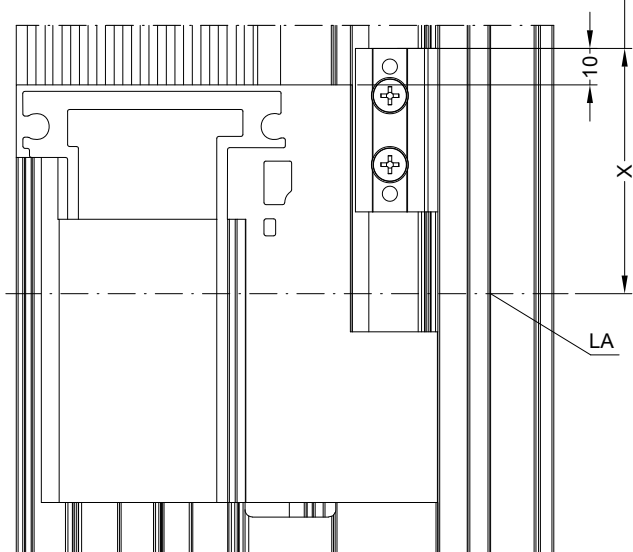


Schema A1 dargestellt
 Schema A1 shown



Schema A2 spiegelbildlich
 Schema A2 mirror-inverted

A1	Z 918851	B 813234	x = 67.5
A2	Z 918850	B 813235	
A1	Z 918995	B 813232	x = 61.5
A2	Z 918996	B 813233	

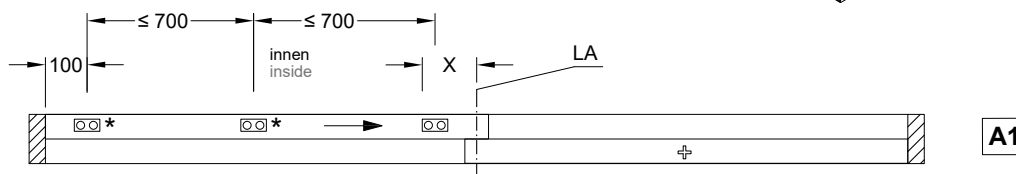
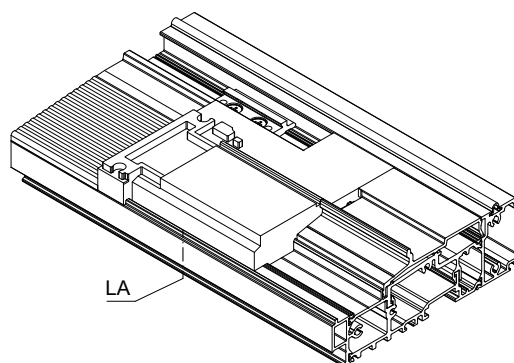


Bearbeitungsschritte Schema A1

1. Unterteil Z 917263 in Blendrahmen B 813040 einsetzen
2. Mit Senkblechschrauben Z 900884 ohne vorbohren verschrauben

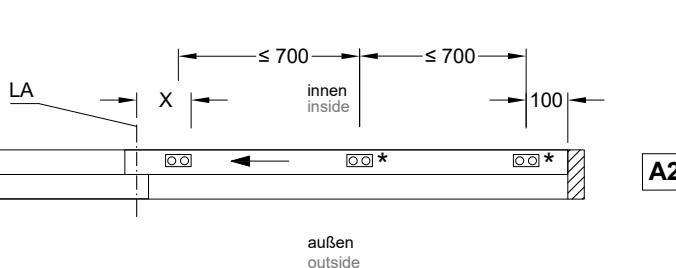
Processing steps scheme A1

1. Insert base part Z 917263 into fixed frame B 813040
2. Fix it with countersunk self-tapping screw Z 900884 without pre-drilling



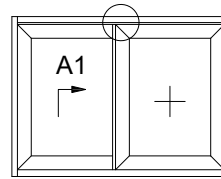
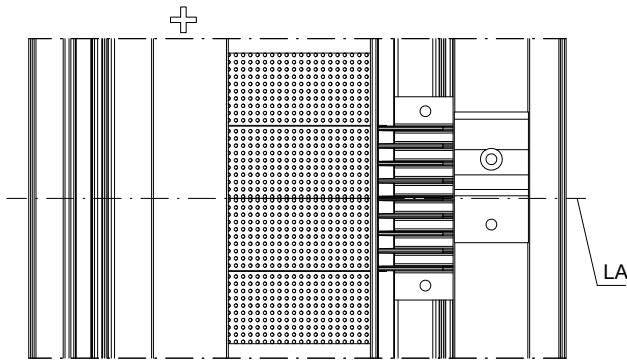
* Verwendung weiterer Zusatzverriegelungen
 nur bei Windlasten ab 2000 Pa erforderlich

* Use of further additional locking systems
 required for wind loads from 2000 Pa only

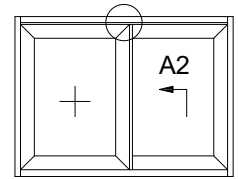


MONTAGE • DICHTFORMTEILE
 ASSEMBLY • SHAPED GASKET PIECES

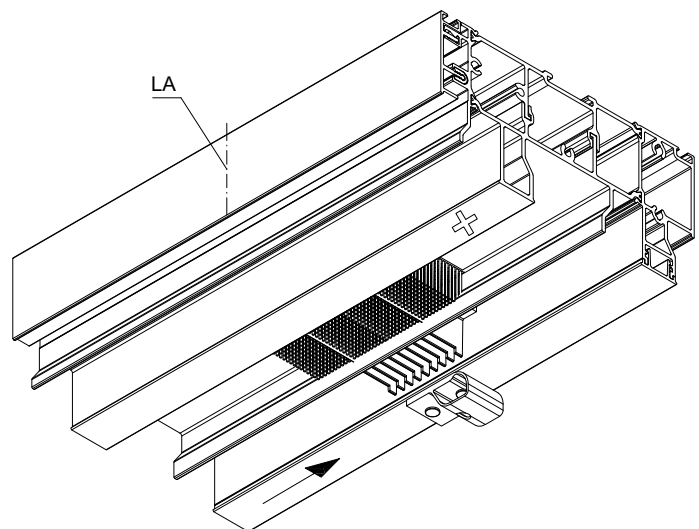
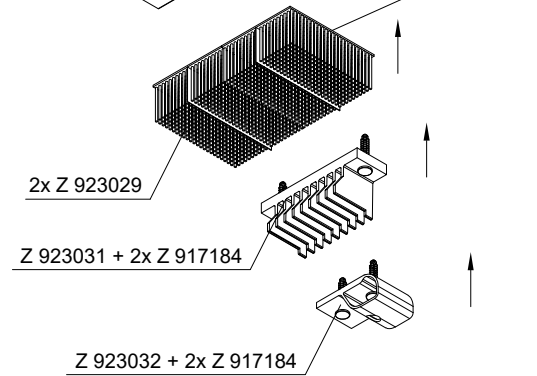
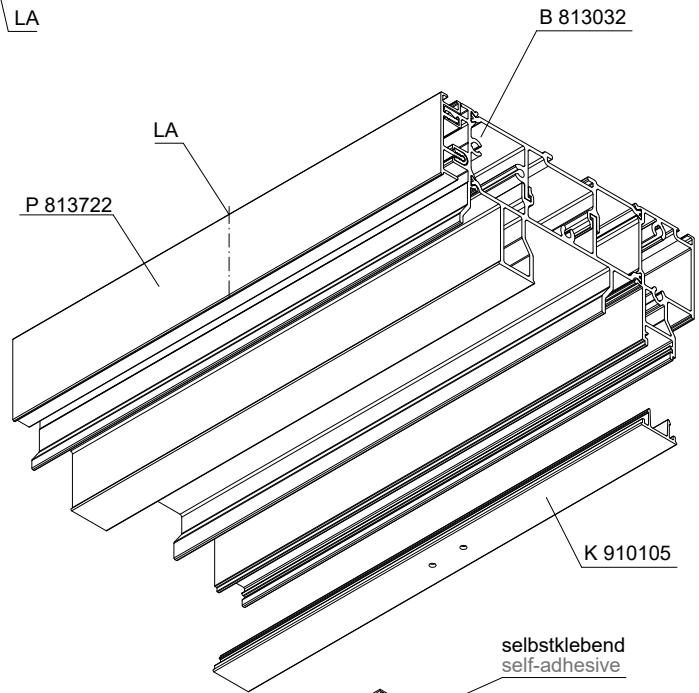
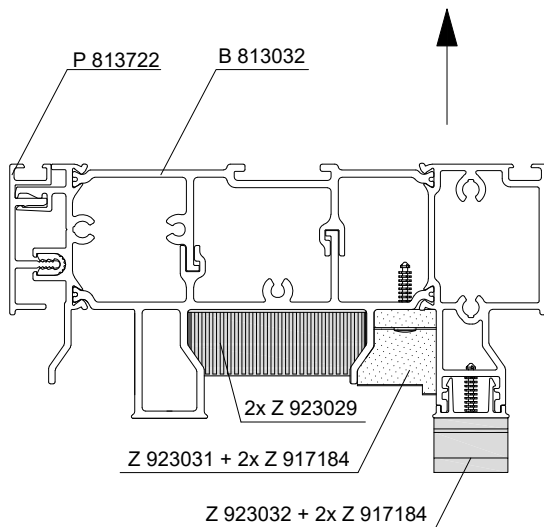
2B
 Schema A
 Schema A



Schema A1 dargestellt
 Schema A1 shown



Schema A2 spiegelbildlich
 Schema A2 mirror-inverted



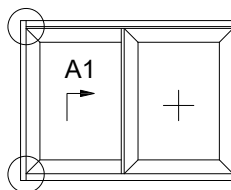
MONTAGE • ECKVERBINDUNGEN
 ASSEMBLY • CORNER CONNECTIONS

Bearbeitungsschritte Schema A1

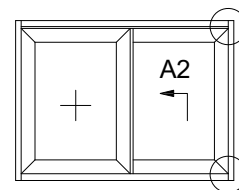
1. Dämmkern in Blendrahmen B 813010 und B 813021 einschieben (optional)
2. Dichtstoff auf Dichtformteil und Blendrahmen aufbringen und Dichtformteile einlegen
3. Profile rechtwinklig ausrichten
4. Profile mit Schrauben Z 923094 verschrauben

Processing steps scheme A1

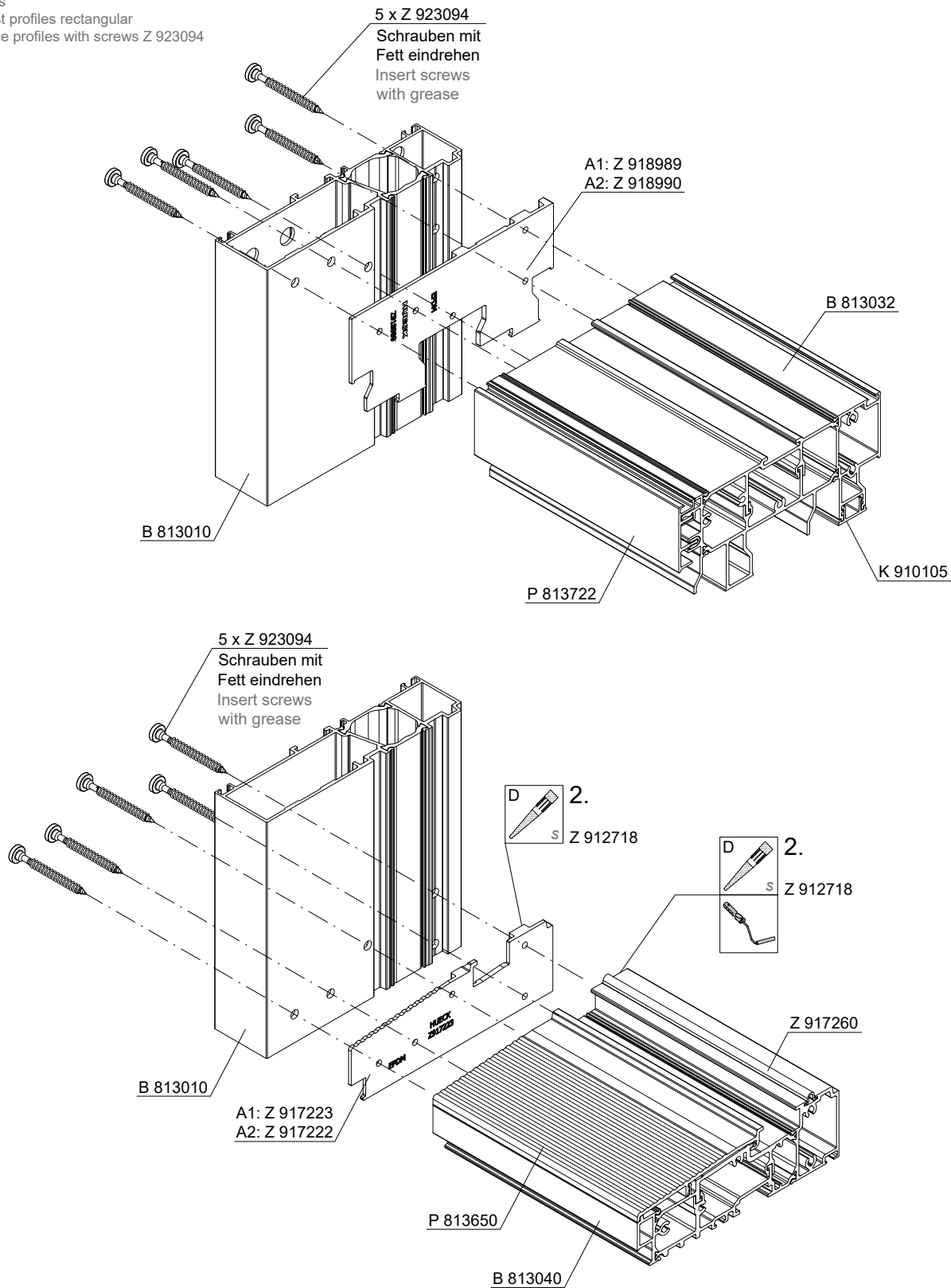
1. Insert insulating core into fixed frame B 813010 and B 813021 (optionally)
2. Apply sealing compound on the shaped gasket piece and fixed frame and assemble the shaped gasket pieces
3. Adjust profiles rectangular
4. Fix the profiles with screws Z 923094

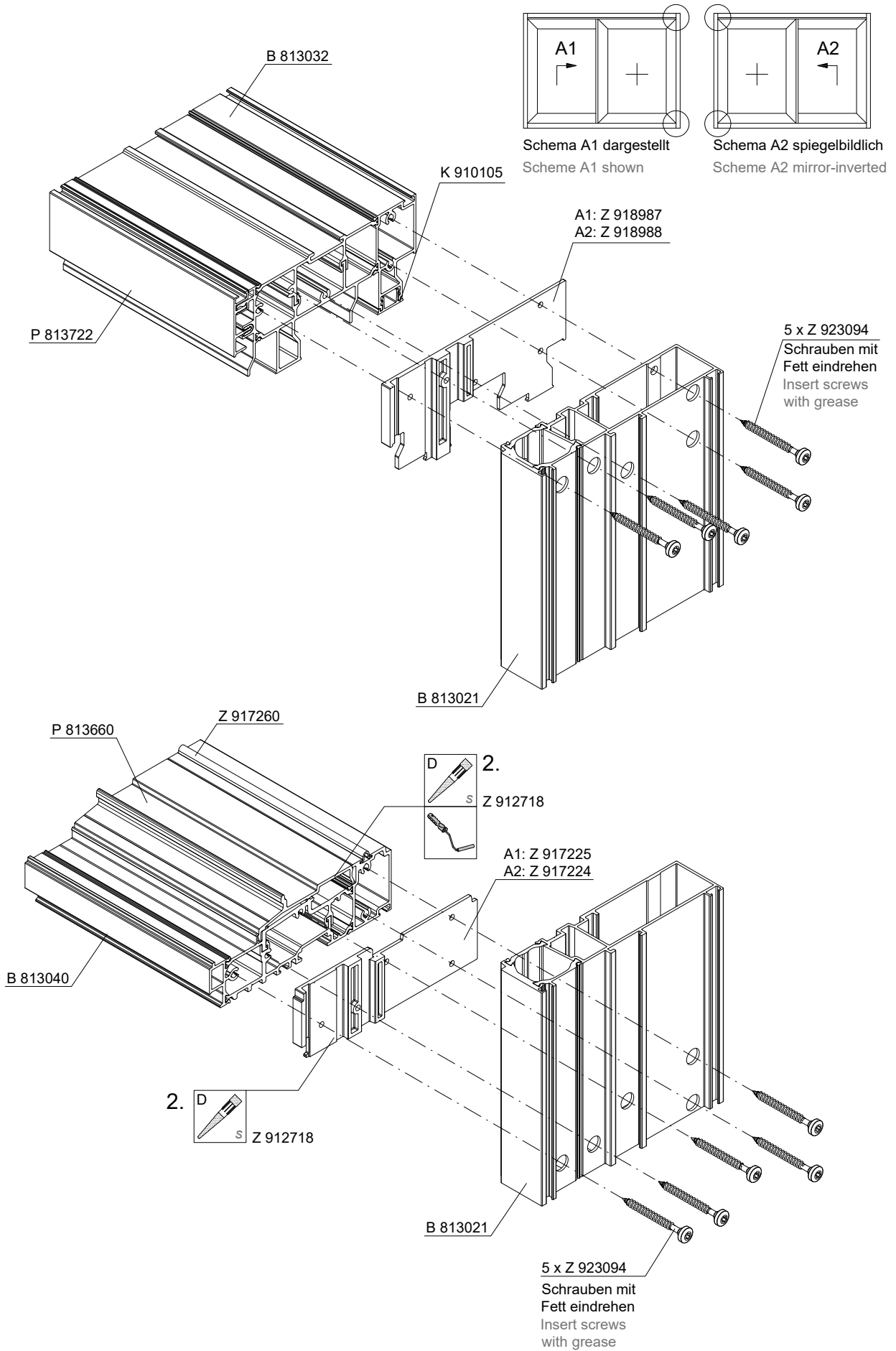


Schema A1 dargestellt
 Schema A1 shown

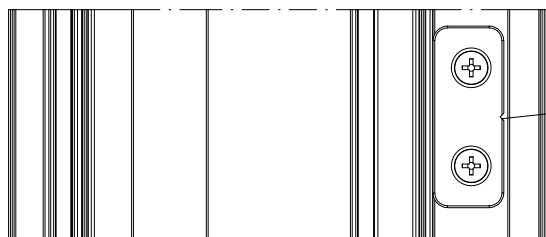
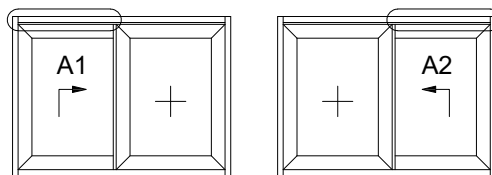


Schema A2 spiegelbildlich
 Schema A2 mirror-inverted

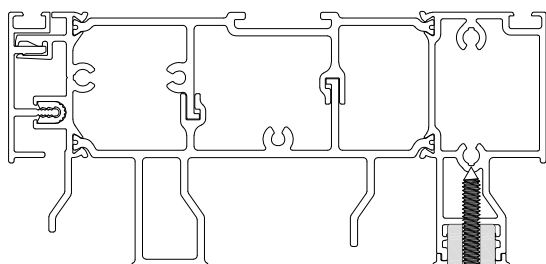




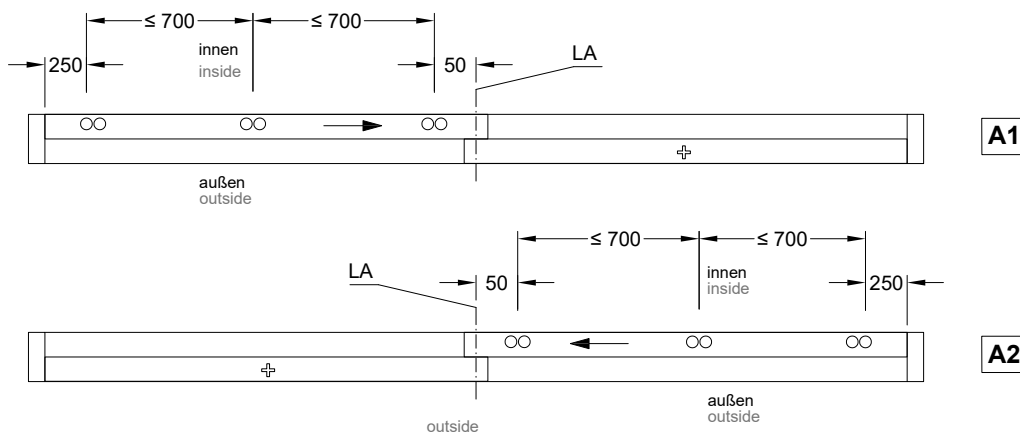
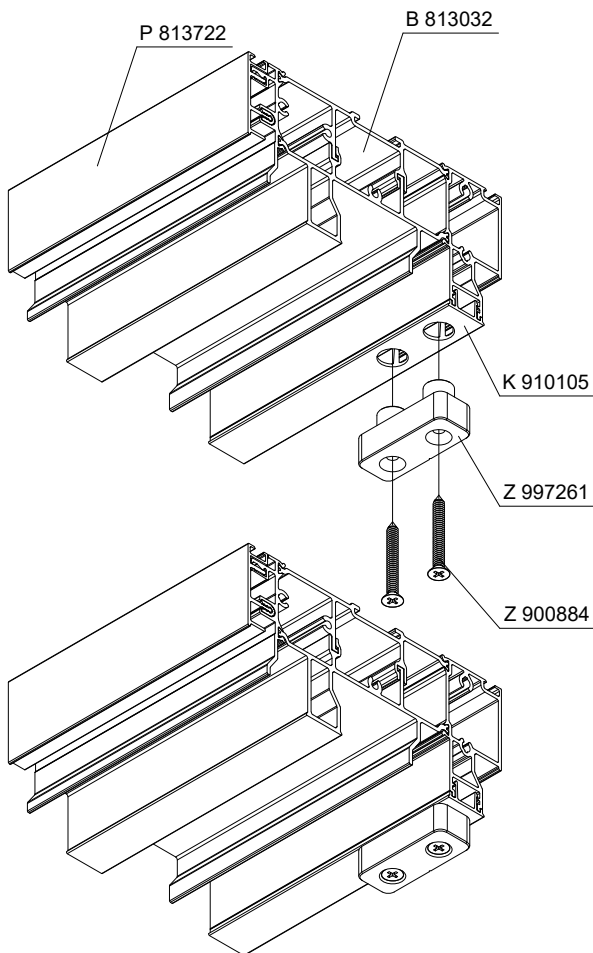
Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



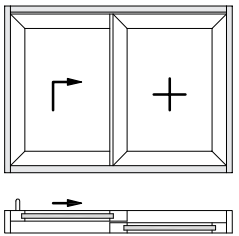
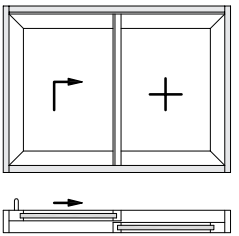
Asymmetrisches Bauteil
 Markierung muss nach
 innen zeigen
 Asymmetrical component
 Mark must point inward



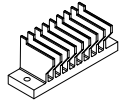








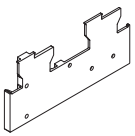
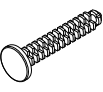
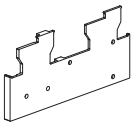

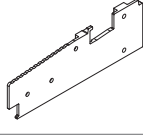
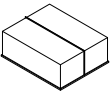
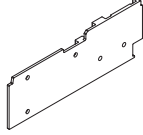

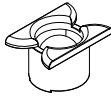
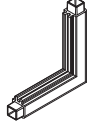
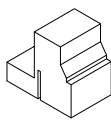
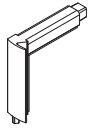
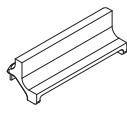
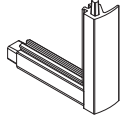


Z 997261 + 2x Z 900884



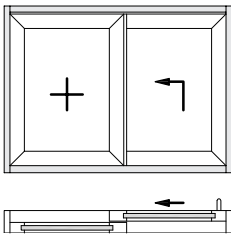
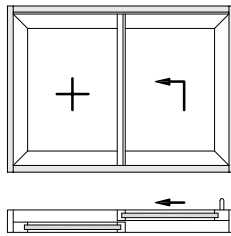
ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME


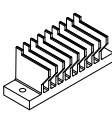
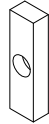




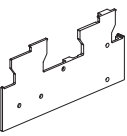
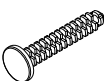
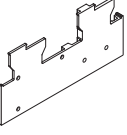

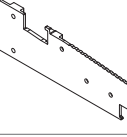
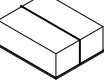
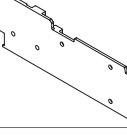

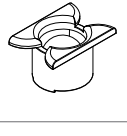
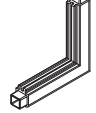
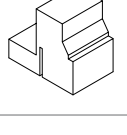
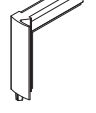
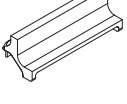
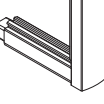
BLENDRAHMEN FIXED FRAME			
Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
A1			<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Festflügel rechts Primärer Flügel nach links öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, fixed sash right Primary sash sliding to the left</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity			
Z 997653	 	Z 900920	2		Z 923031	1		Z 917241	2
	 	Z 901273	25						
	 	Z 911939	5		Z 923032	1			
	 	Z 923094	20						
		Z 918989	1		Z 917184	4			
		Z 918987	1		Z 923030	4			
		Z 917223	1		Z 923029	2			
		Z 917225	1		Z 917634	25			
		Z 917253	1		Z 918345	2			
		Z 923148	1		Z 918493	2			
		Z 923018	2		Z 918494	2			

ZUBEHÖRSÄTZE • BLENDRAHMEN
 ACCESSORY SETS • FIXED FRAME

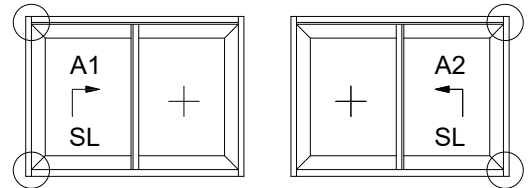
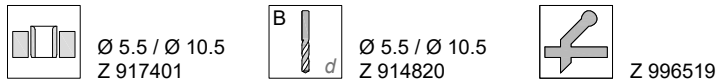
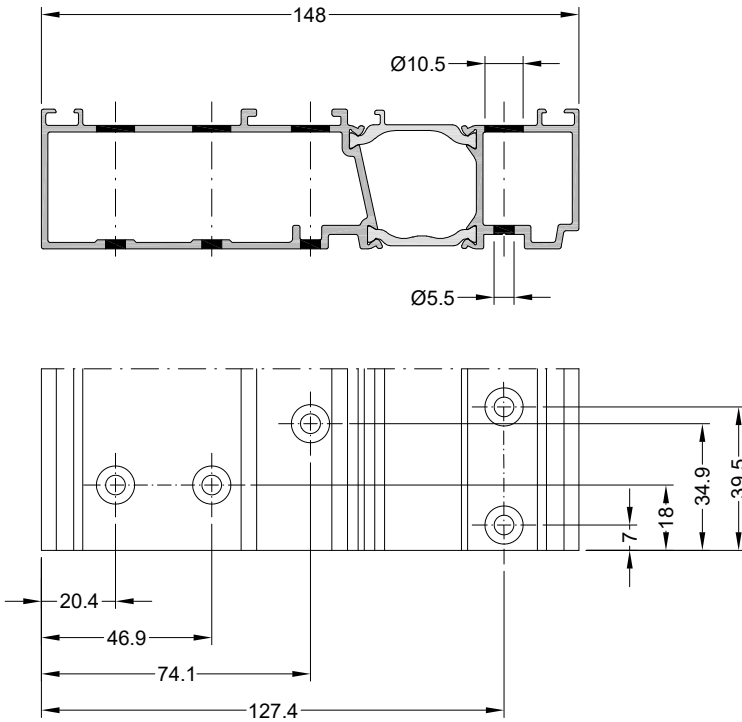
BLENDRAHMEN
 FIXED FRAME

Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
A2			<p>2-spurige Anlage mit 2 Feldern Schiebeflügel rechts, Festflügel links Primärer Flügel nach rechts öffnend</p> <p>Double-tracked system with 2 fields Sliding sash right, fixed sash left Primary sash sliding to the right</p>

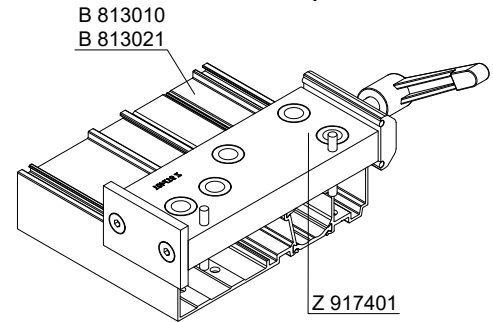
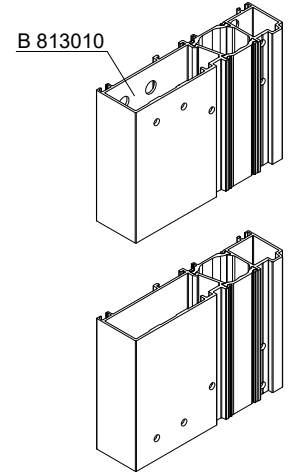
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity
Z 997654	 Z 900920	2	 Z 923031	1	 Z 917241	2
	 Z 901273	25				
	 Z 911939	5	 Z 923032	1		
	 Z 923094	20				
	 Z 918990	1	 Z 917184	4		
	 Z 918988	1	 Z 923030	4		
	 Z 917222	1	 Z 923029	2		
	 Z 917224	1	 Z 917634	25		
	 Z 917253	1	 Z 918345	2		
	 Z 923148	1	 Z 918493	2		
	 Z 923018	2	 Z 918494	2		

ECKVERBINDUNGEN
CORNER CONNECTIONS

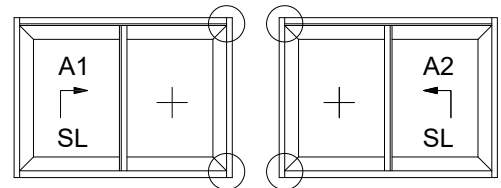
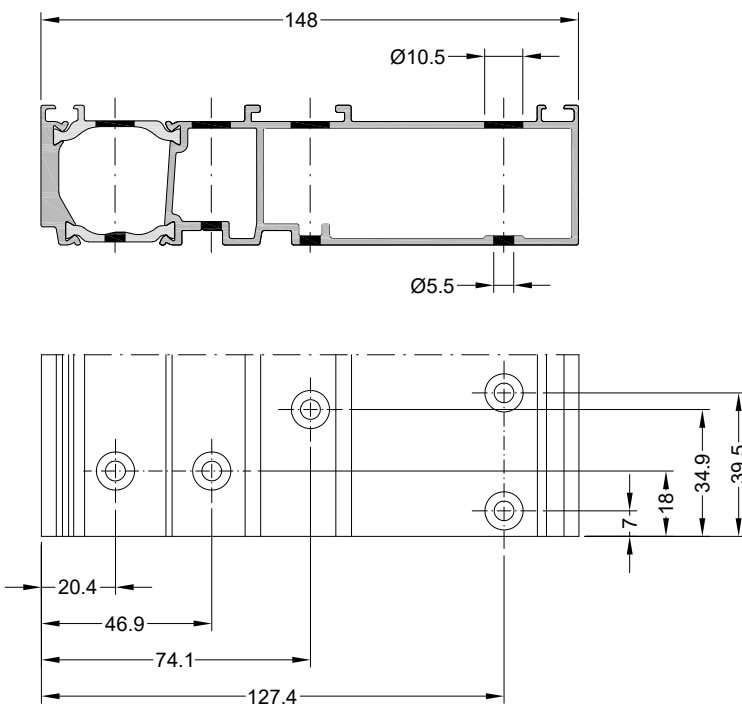
B 813010



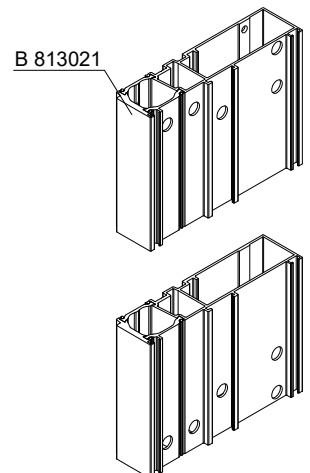
Schema A1 SL dargestellt Schema A2 SL spiegelbildlich
Scheme A1 SL shown Scheme A2 SL mirror-inverted



B 813021

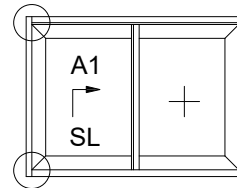
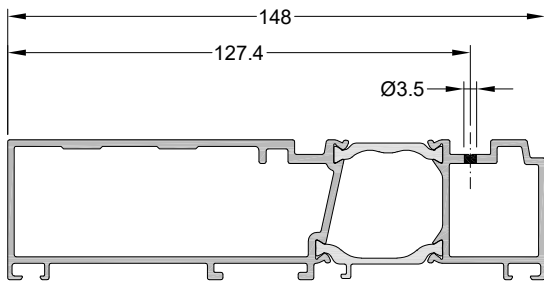


Schema A1 SL dargestellt Schema A2 SL spiegelbildlich
Scheme A1 SL shown Scheme A2 SL mirror-inverted

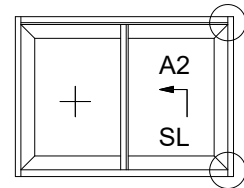


ANSCHLAGPUFFER
 STOP BUFFER

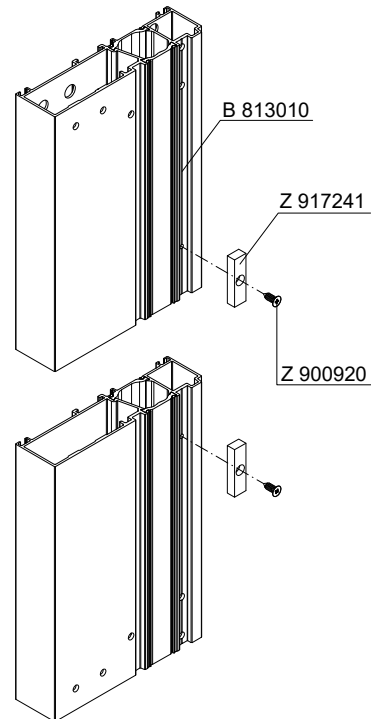
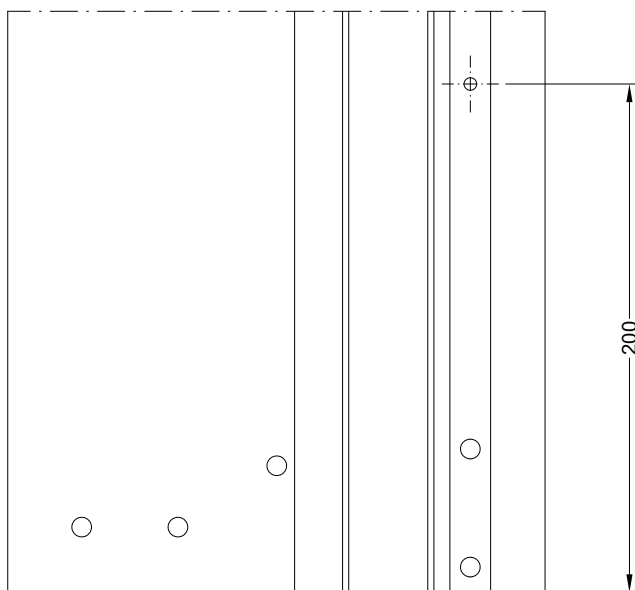
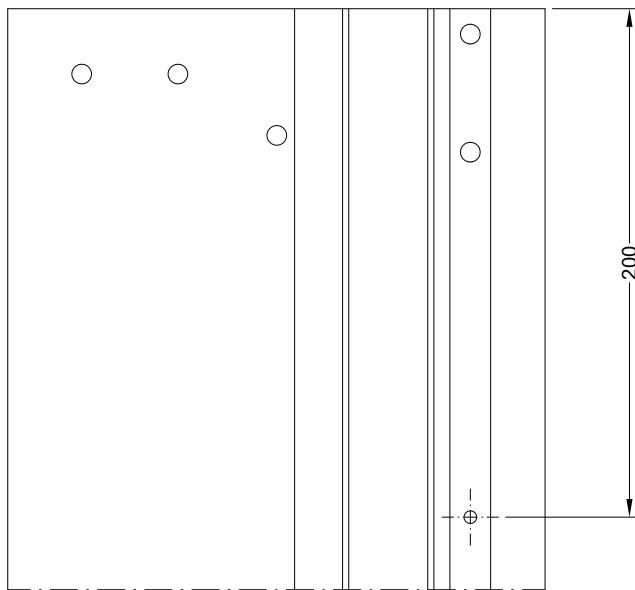
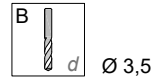
B 813010



Schema A1 SL dargestellt
 Schema A1 SL shown

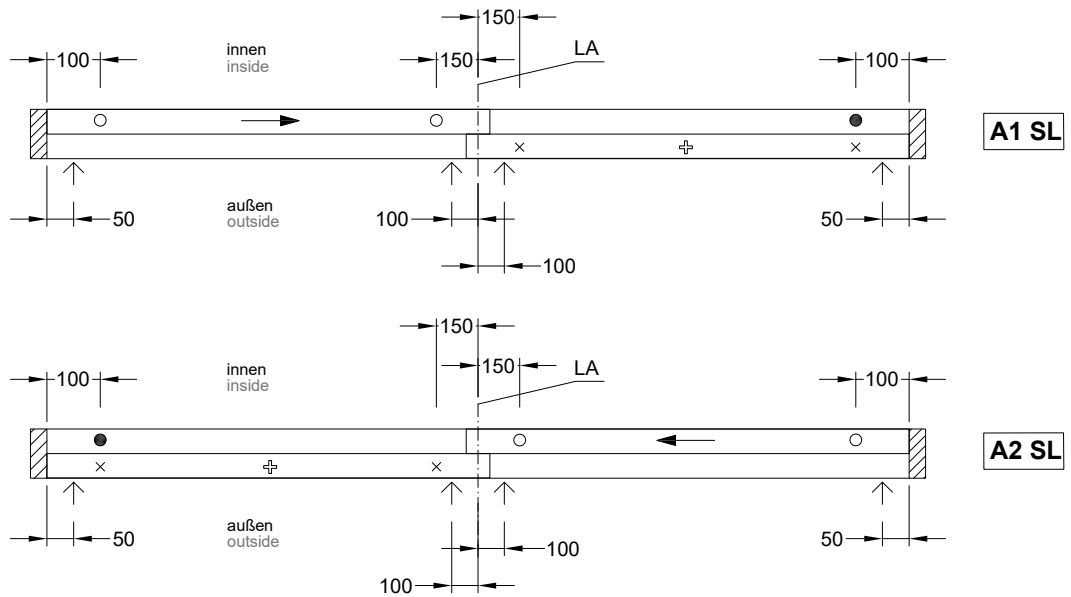
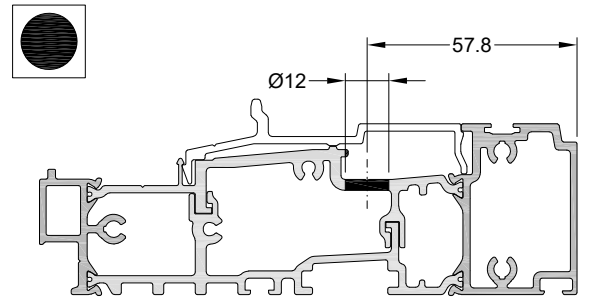
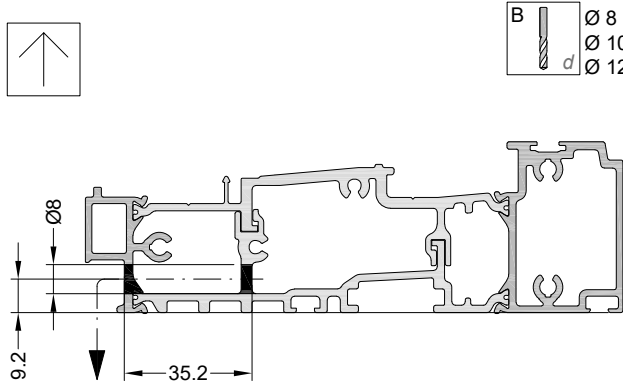
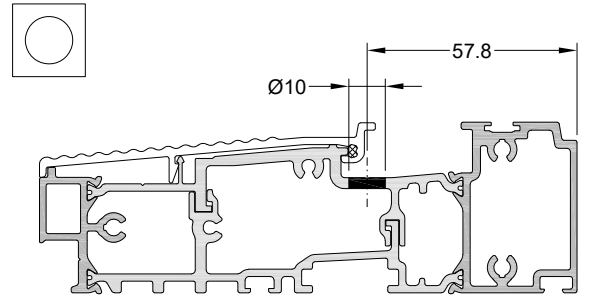
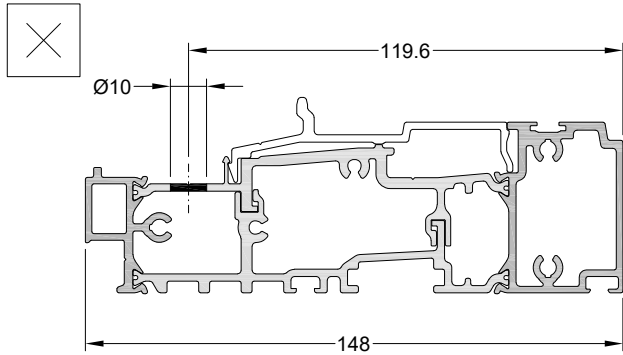
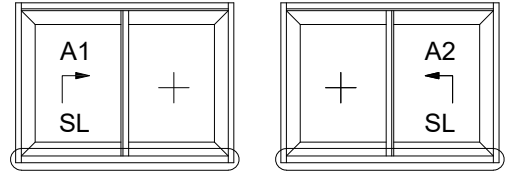


Schema A2 SL spiegelbildlich
 Schema A2 SL mirror-inverted



ENTWÄSSERUNG
DRAINAGE

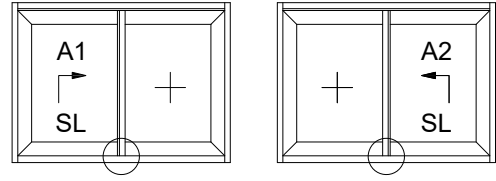
B 813040



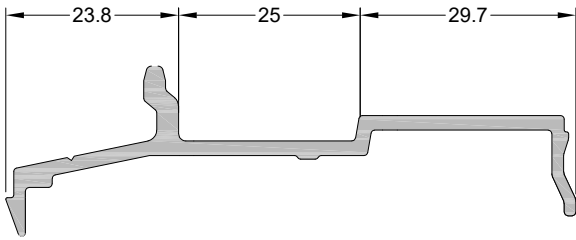
- | | |
|-------------------------------|---------------------------------|
| × Bohrung Ø10 | × drill hole Ø10 |
| ○ Bohrung Ø10 | ○ drill hole Ø10 |
| ↑ Bohrung Ø8 | ↑ drill hole Ø8 |
| ● Bohrung Ø12 für Kugelventil | ● drill hole Ø12 for ball valve |

ENTWÄSSERUNG
 DRAINAGE

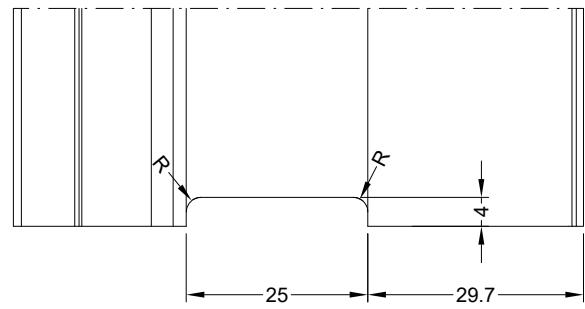
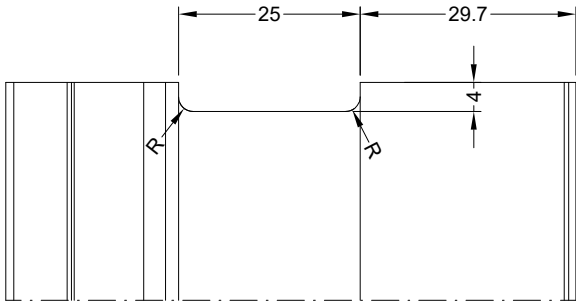
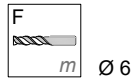
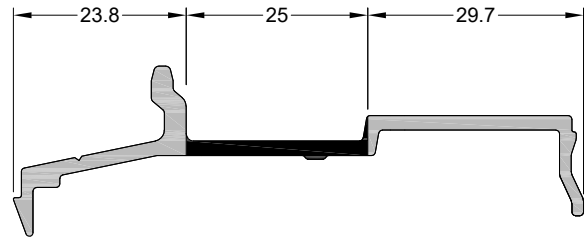
P 813660



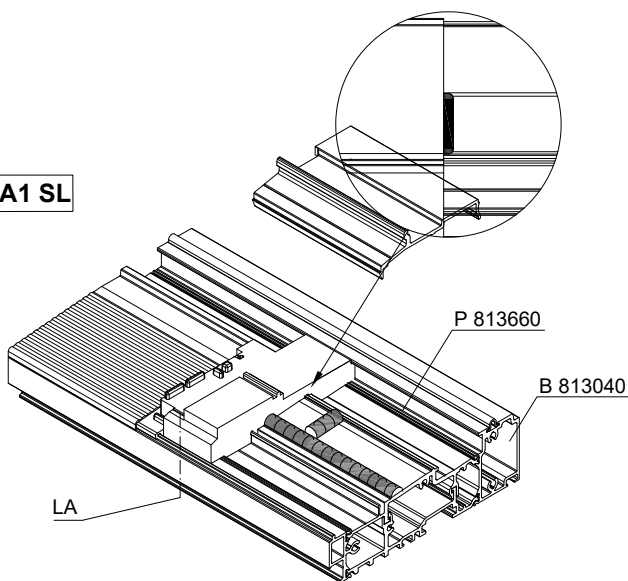
A1



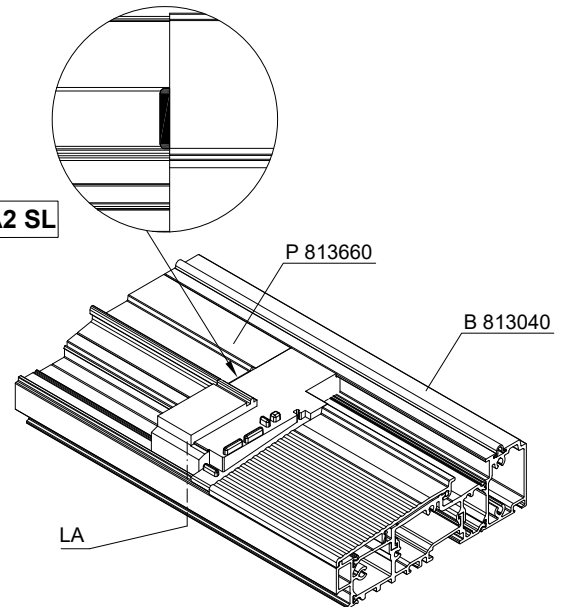
A2



A1 SL



A2 SL



BELÜFTUNG
 VENTILATION

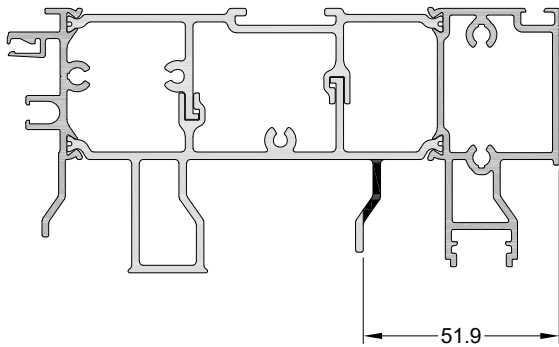
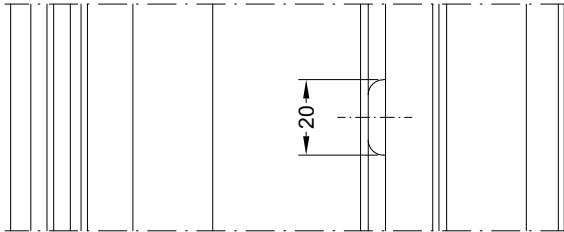
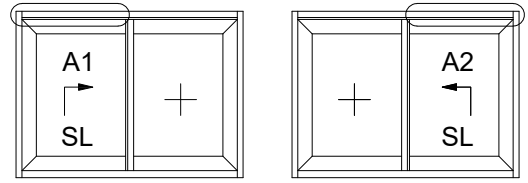
B 813032



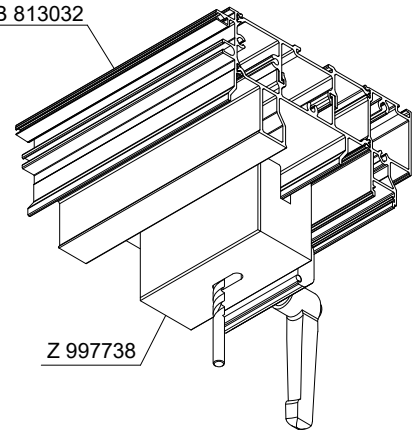
Z 997738



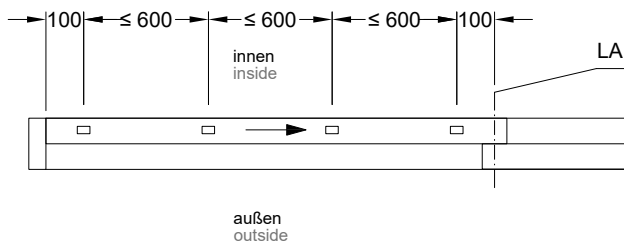
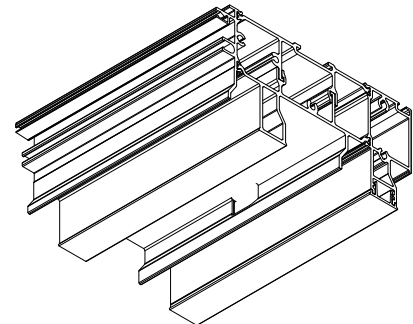
Ø 6



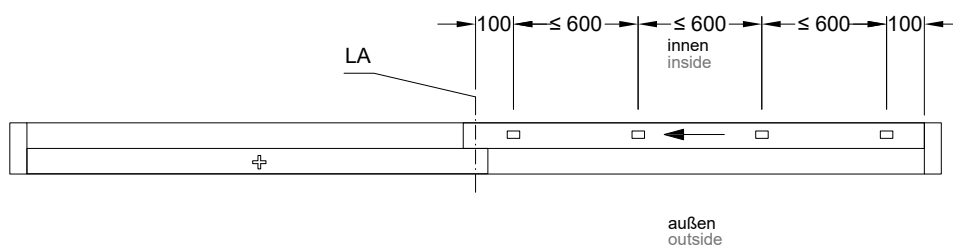
B 813032



Z 997738



A1 SL



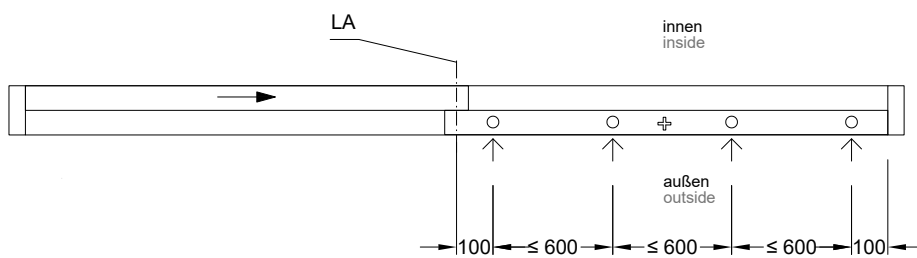
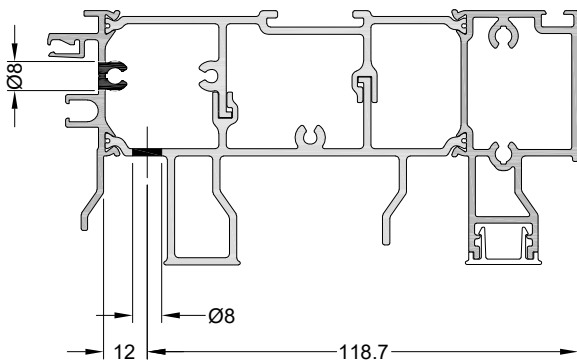
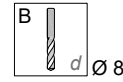
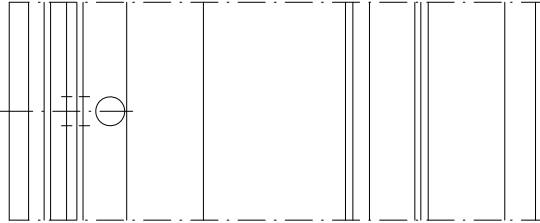
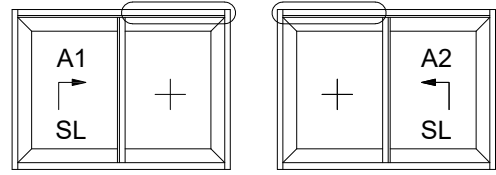
A2 SL

□ Fräsung Ø6

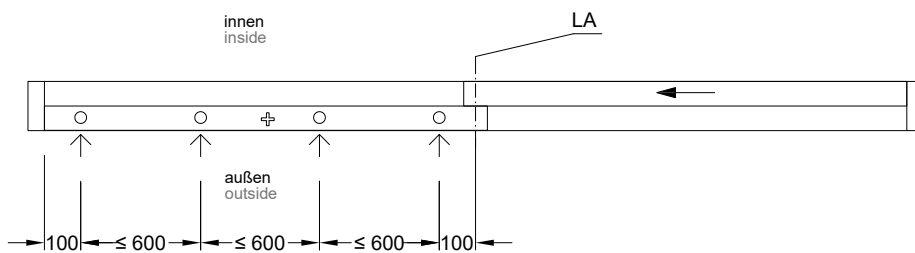
□ milling Ø6

BELÜFTUNG
 VENTILATION

B 813032



A1 SL

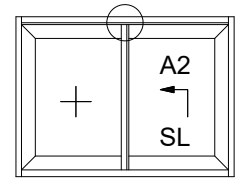
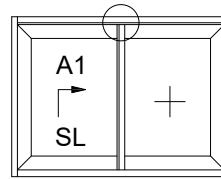
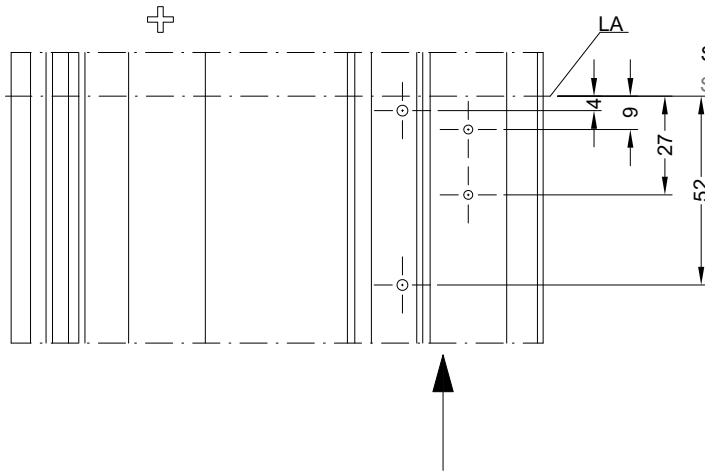


A2 SL

- Bohrung Ø8
- ↑ Bohrung Ø8
- drill hole Ø8
- ↑ drill hole Ø8

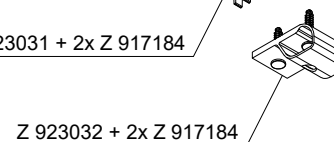
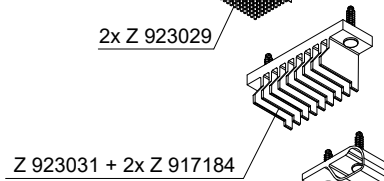
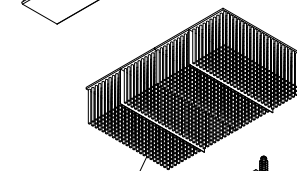
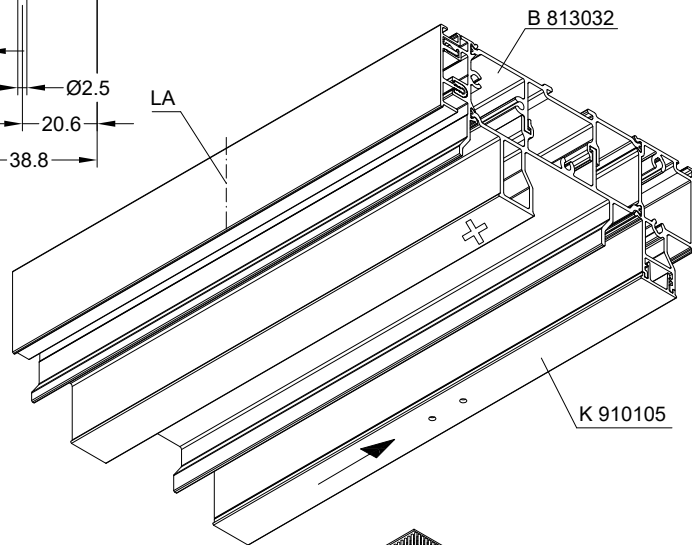
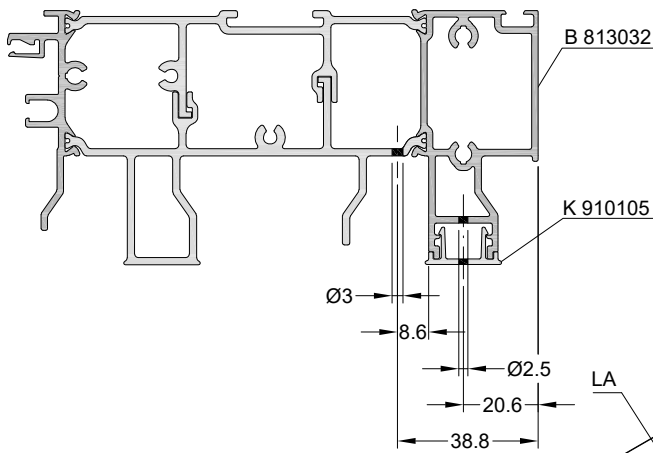
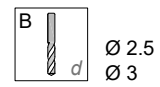
DICHTFORMTEIL
 SHAPED GASKET PIECE

B 813032 + K 910105



Schema A1 SL dargestellt
 Schema A1 SL shown

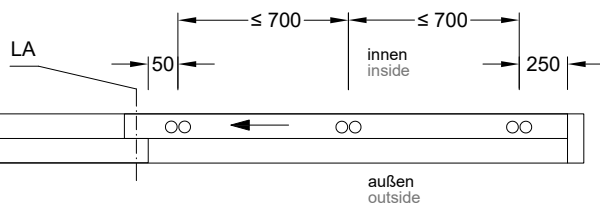
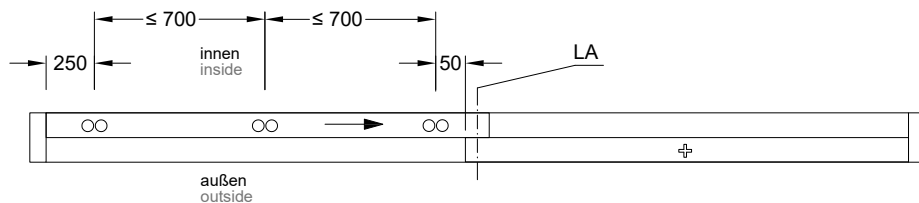
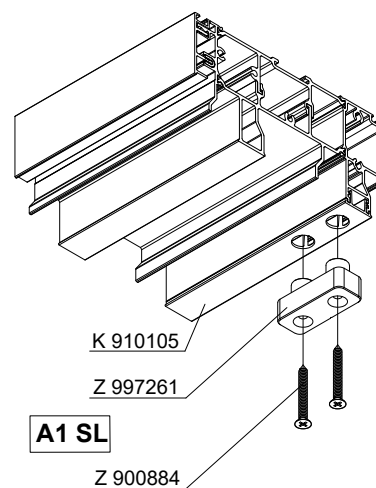
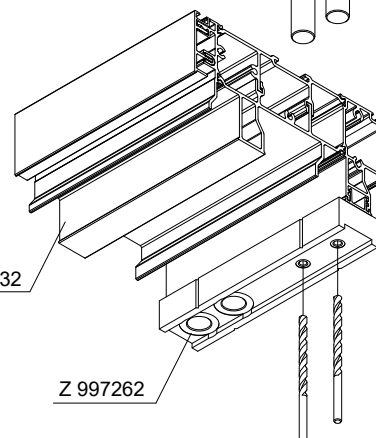
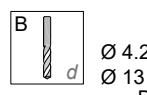
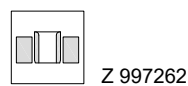
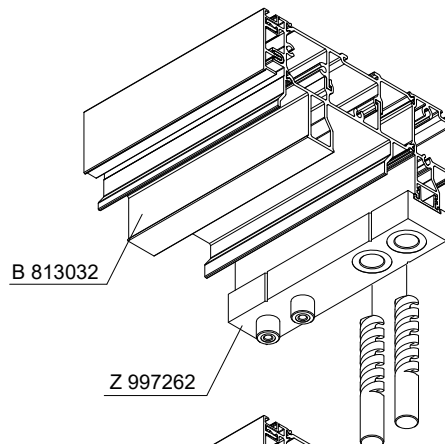
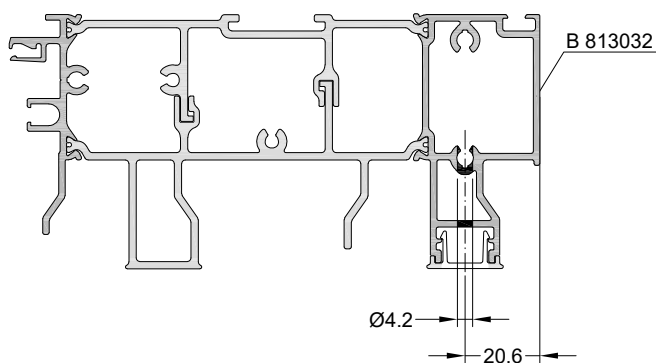
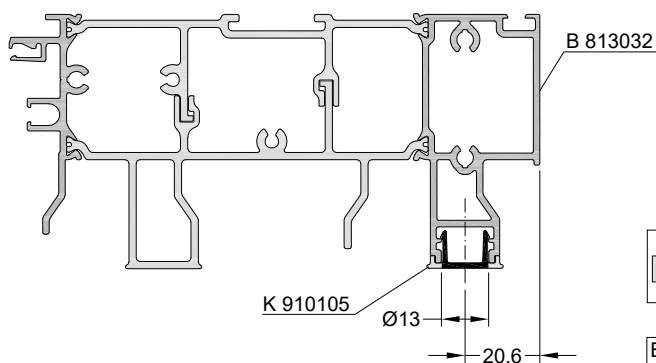
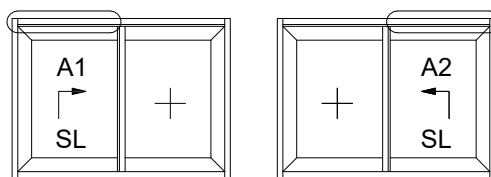
Schema A2 SL spiegelbildlich
 Schema A2 SL mirror-inverted



WINDSICHERUNG
 WIND PROTECTION

Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa

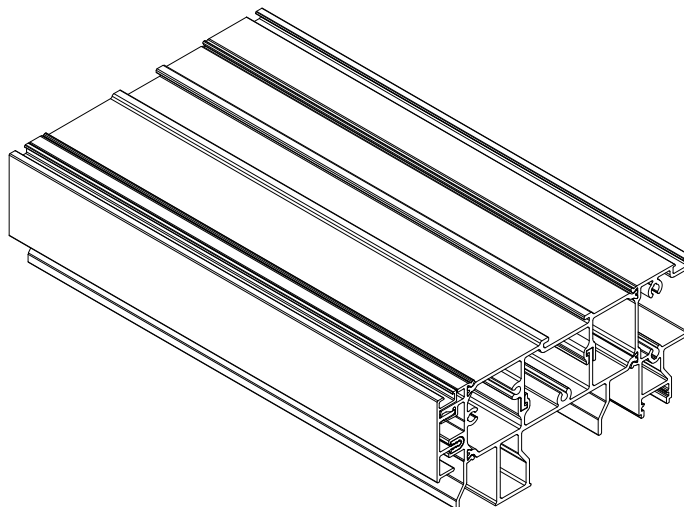
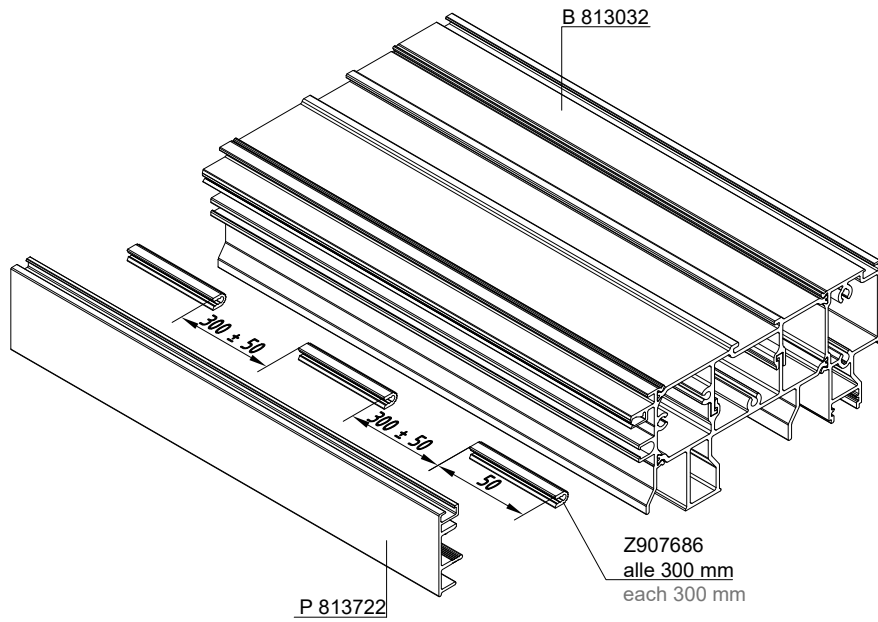
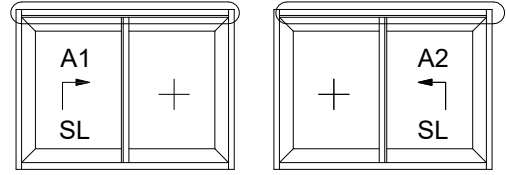
B 813032 + K 910105



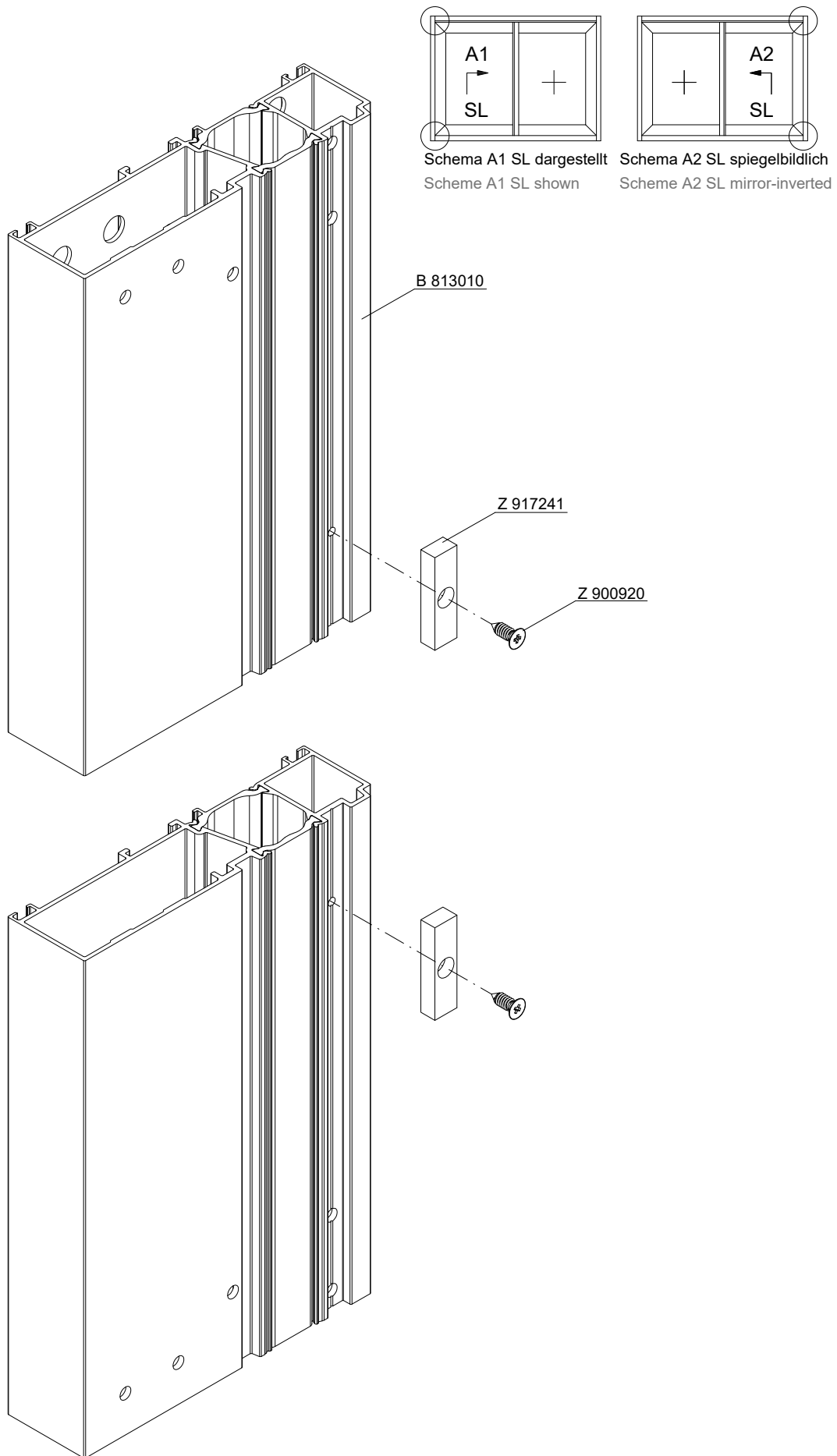
○ Bohrung Ø13 / Ø4.3

○ drill hole Ø13 / Ø4.3

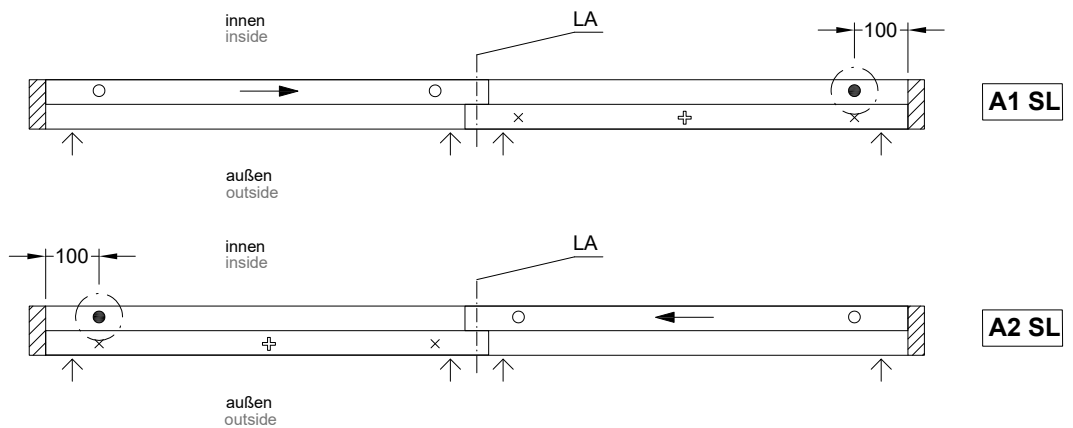
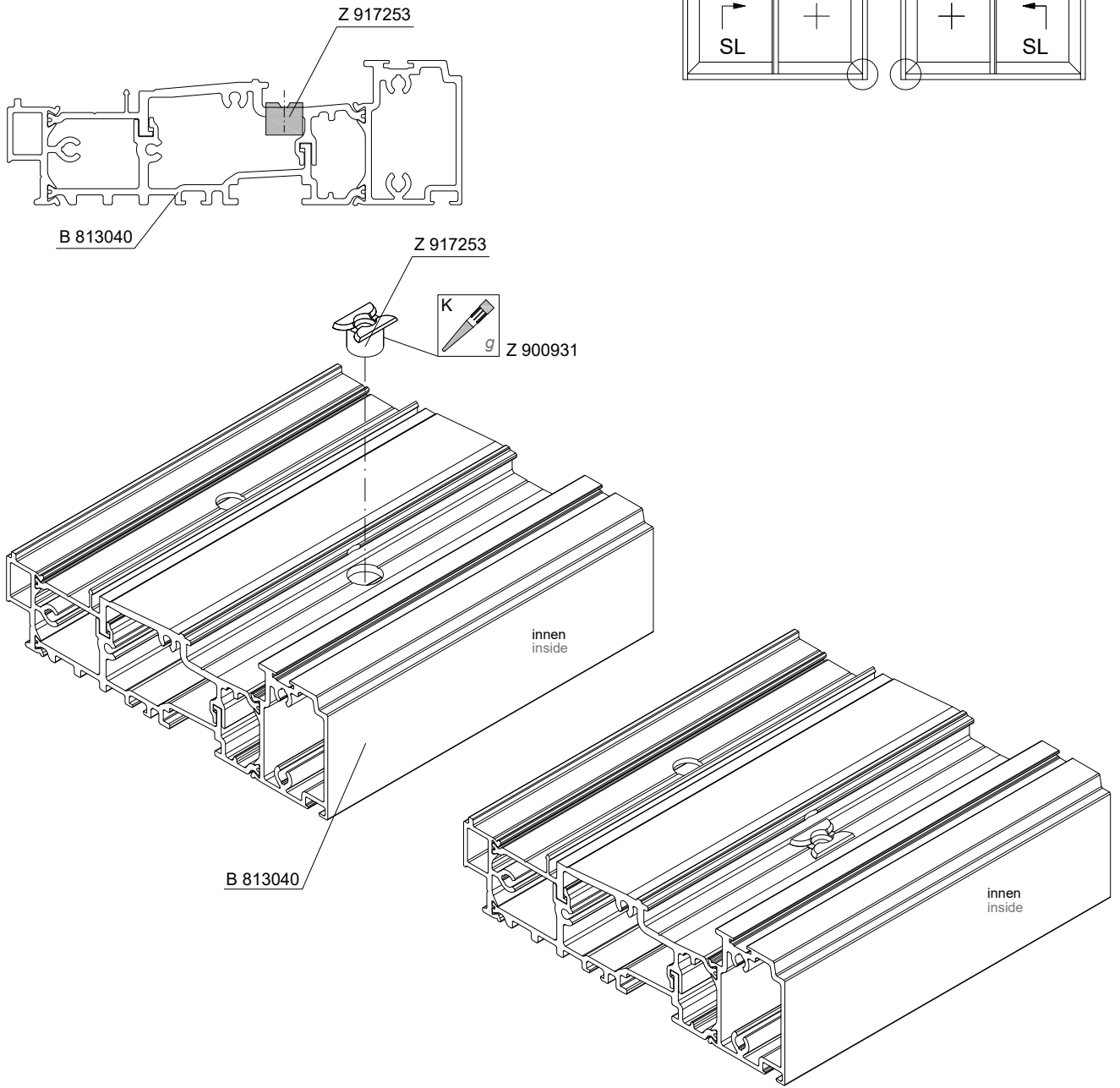
MONTAGE • ZUSATZPROFIL / BELÜFTUNG
 ASSEMBLY • SUPPLEMENTARY PROFILE / VENTILATION



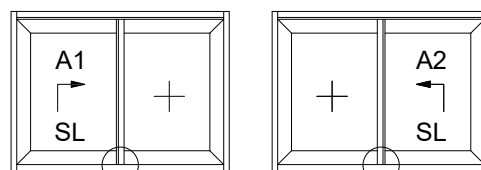
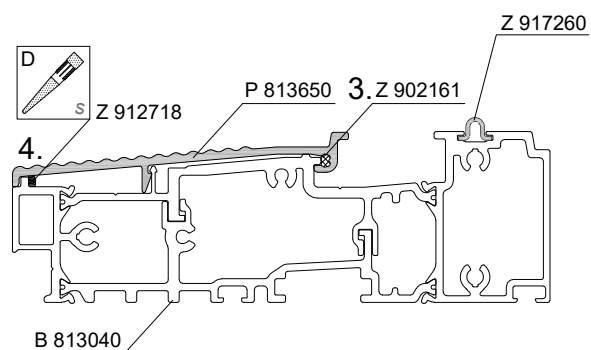
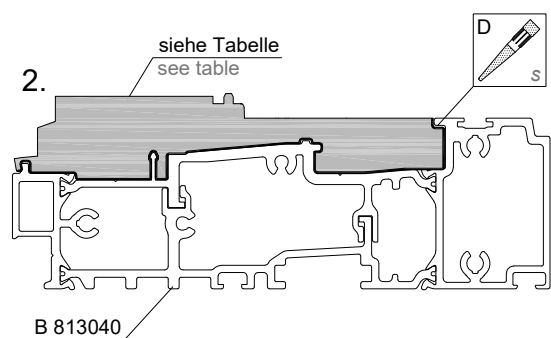
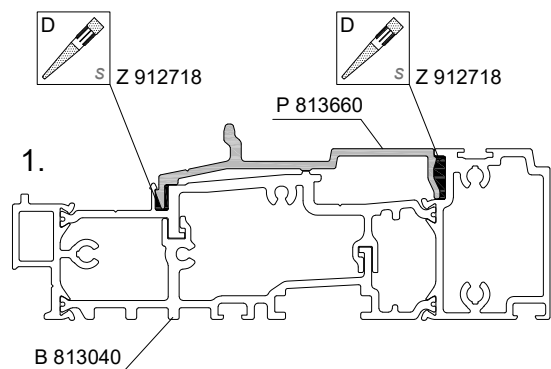
MONTAGE • ANSCHLAGPUFFER
ASSEMBLY • STOP BUFFER



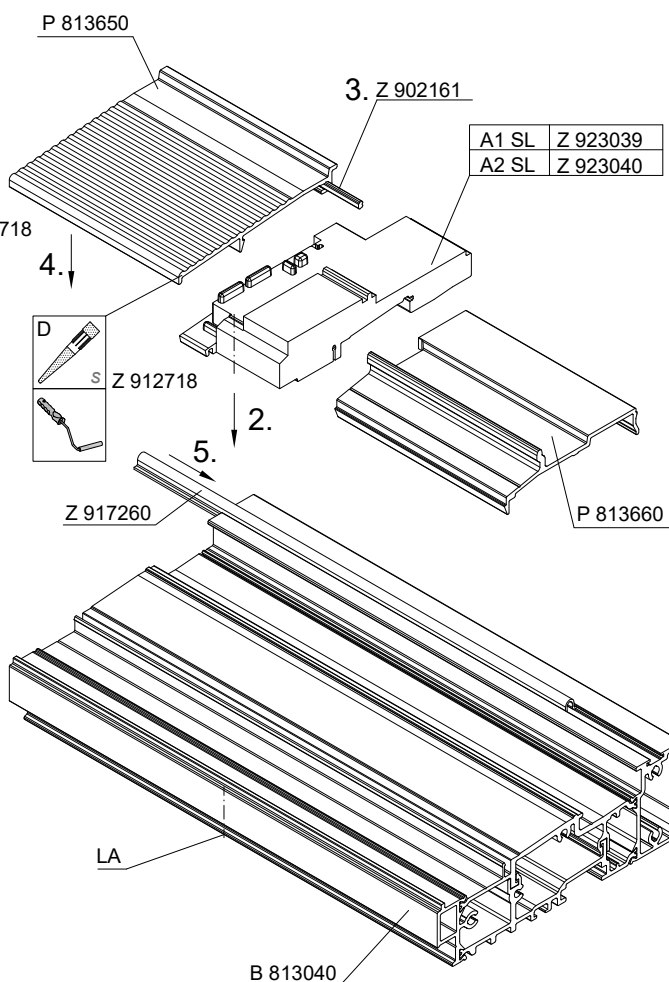
MONTAGE • BELÜFTUNG / ENTWÄSSERUNG
 ASSEMBLY • VENTILATION / DRAINAGE



MONTAGE • LABYRINTHBEREICH
 ASSEMBLY • LABYRINTH AREA



Schema A1 SL dargestellt Schema A2 SL spiegelbildlich
 Scheme A1 SL shown Scheme A2 SL mirror-inverted

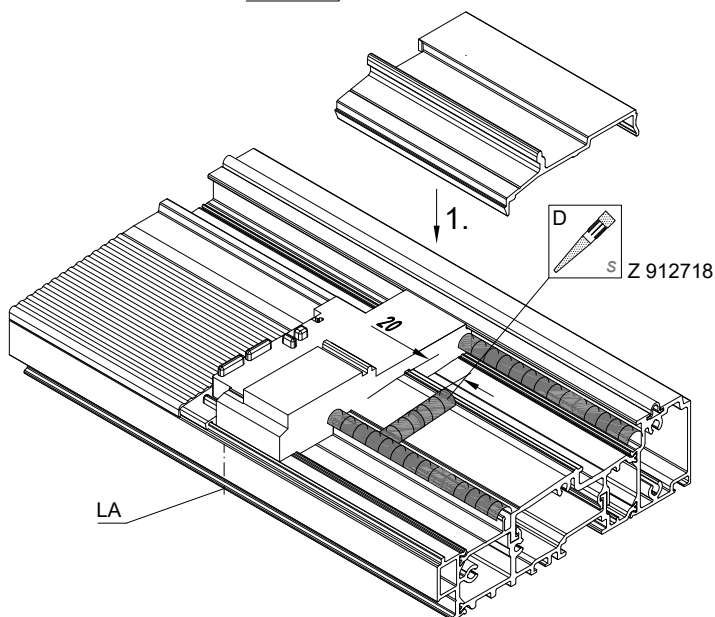


Bearbeitungsschritte Schema A1 SL

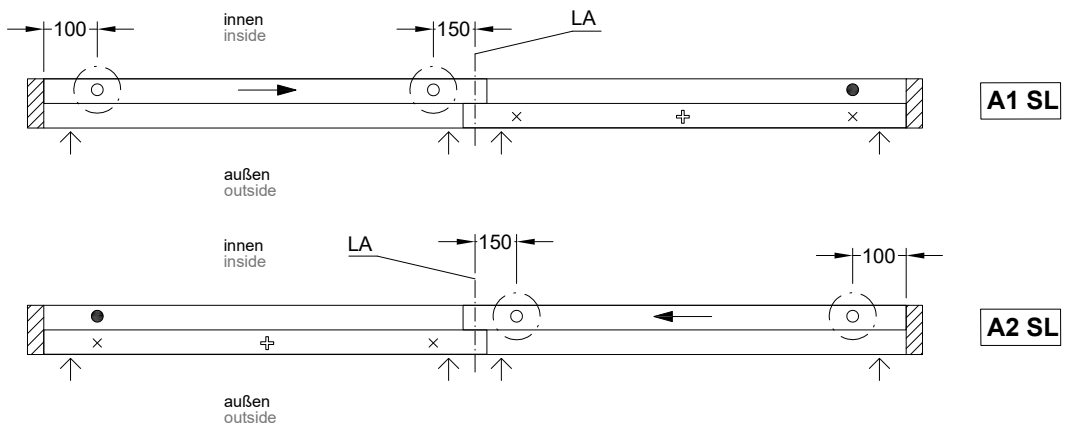
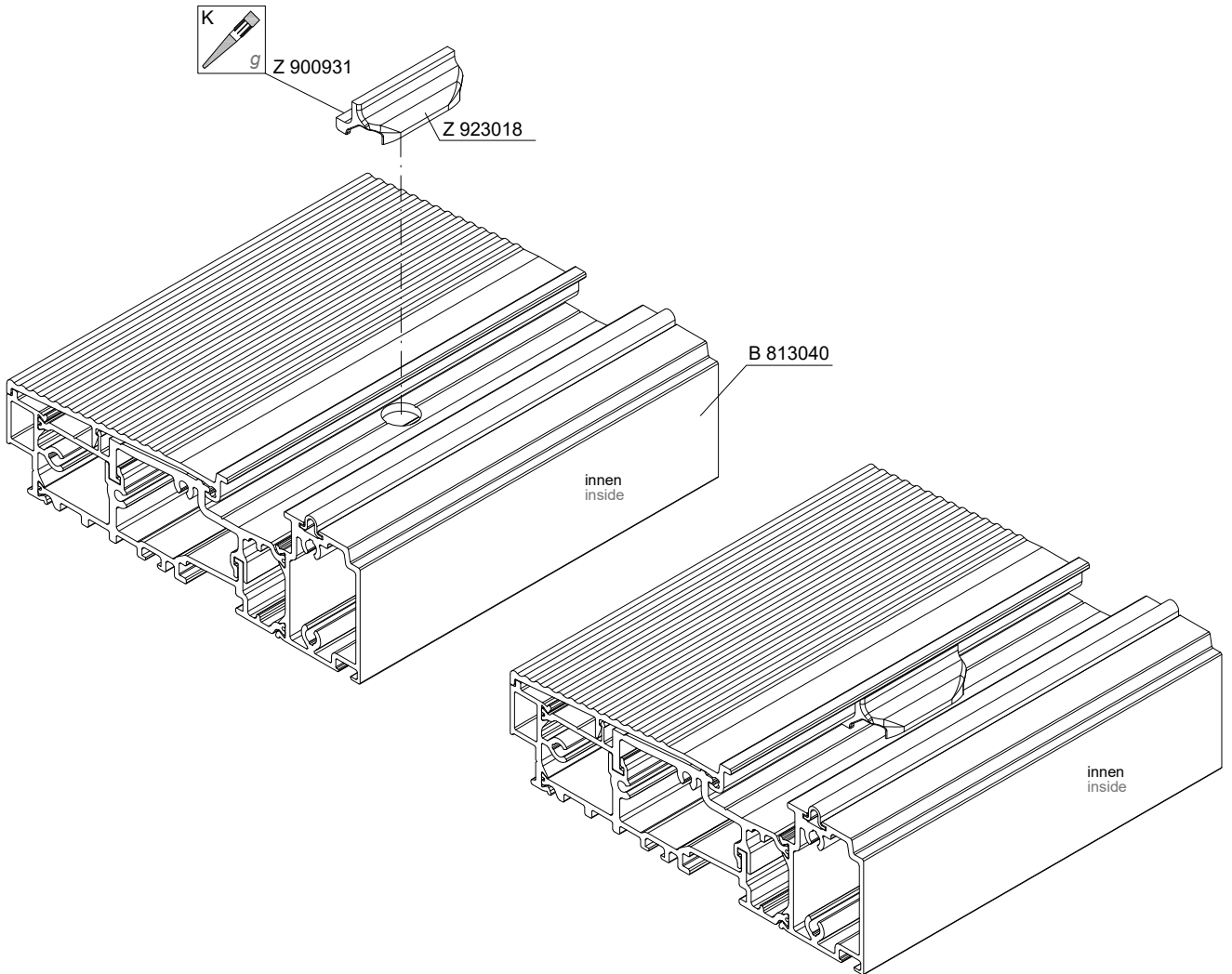
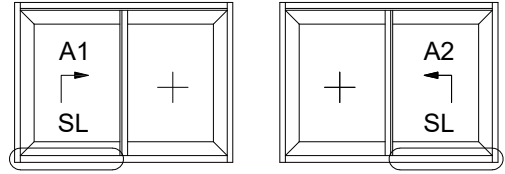
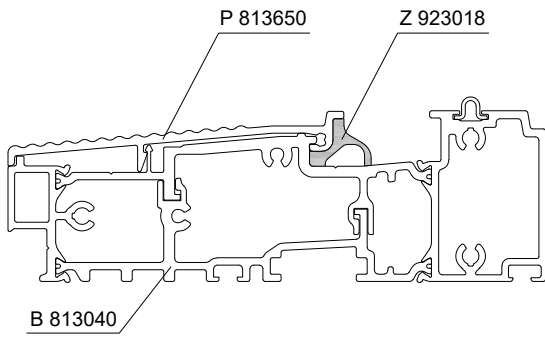
1. Dichtstoff auf Blendrahmen B 813040 aufbringen und P 813660 von außen gesehen rechts bündig auf B 813040 einklipsen
2. Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu Profil P 813660 einsetzen
3. Dichtungsroundschnur Z 902161 in Profil P 813650 eindrücken
4. Dichtstoff auf Blendrahmen B 813040 und Profil P 813650 aufbringen und P 813650 bündig zum Dichtungsformteil einklipsen
5. Laufschiene Z 917260 einschieben

Processing steps scheme A1 SL

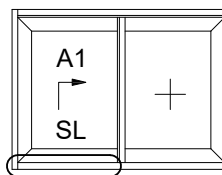
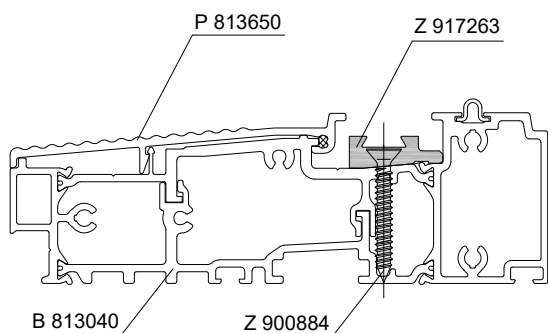
1. Apply sealing compound to fixed frame B 813040 and snap on P 813660 flush to B 813040 (right side flush, seen from external)
2. Fix the shaped gasket piece (see table) with sealing compound flush to profile P 813660
3. Insert gasket cord Z 902161 in profile P 813650
4. Apply sealing compound to fixed frame B 813040 and profile P 813650 and snap on P 813650 flush with shaped gasket piece
5. Slide in the rail Z 917260



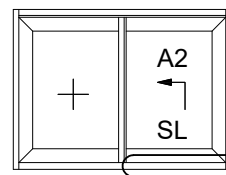
MONTAGE • BELÜFTUNG / ENTWÄSSERUNG
 ASSEMBLY • VENTILATION / DRAINAGE



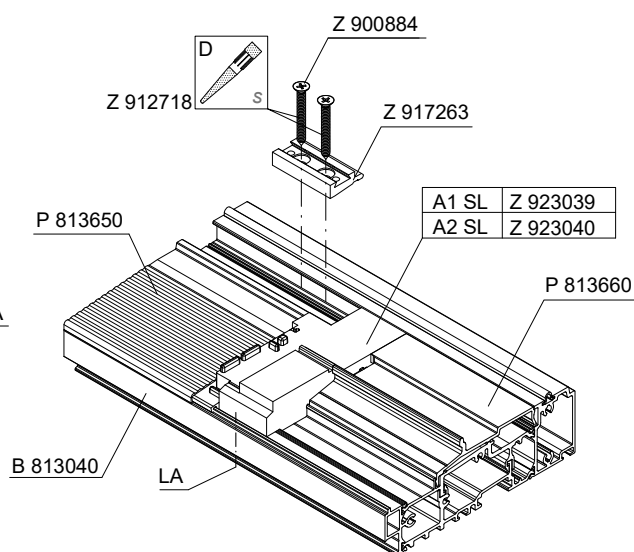
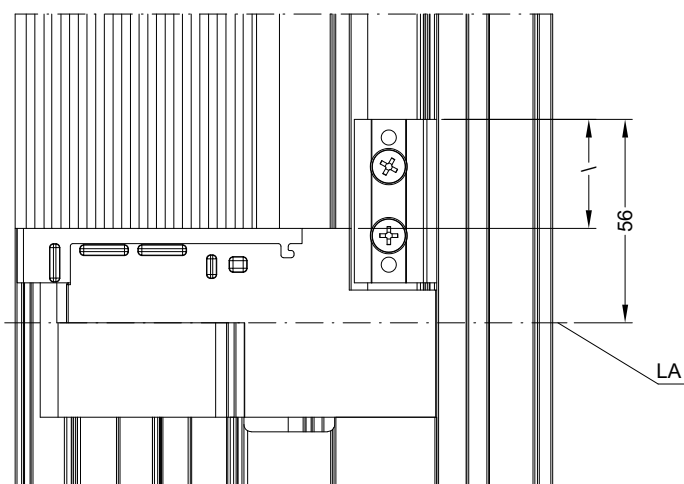
MONTAGE • ZUSATZVERRIEGELUNG
ASSEMBLY • ADDITIONAL LOCKING



Schema A1 SL dargestellt
 Scheme A1 SL shown



Schema A2 SL spiegelbildlich
 Scheme A2 SL mirror-inverted

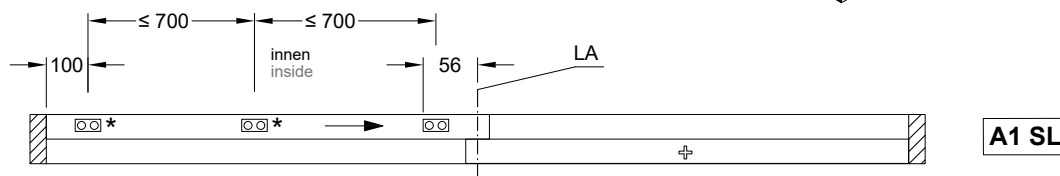
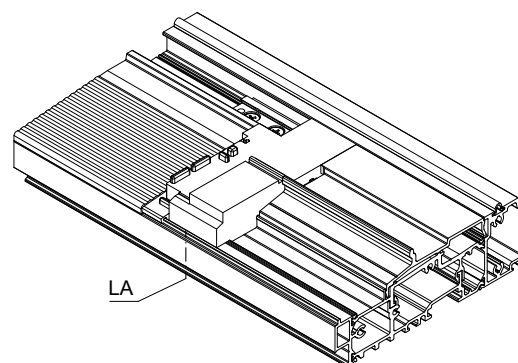


Bearbeitungsschritte Schema A1 SL

1. Unterteil Z 917263 in Blendrahmen B 813040 einsetzen
2. Mit Senkblechschrauben Z 900884 ohne vorbohren verschrauben

Processing steps scheme A1 SL

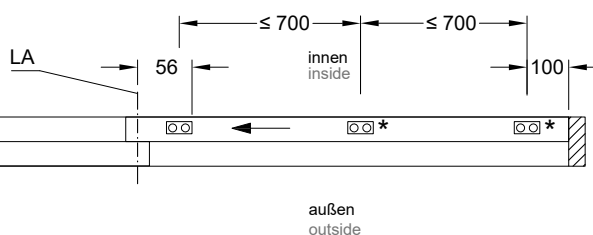
1. Insert base part Z 917263 into fixed frame B 813040
2. Fix it with countersunk self-tapping screw Z 900884 without pre-drilling



A1 SL

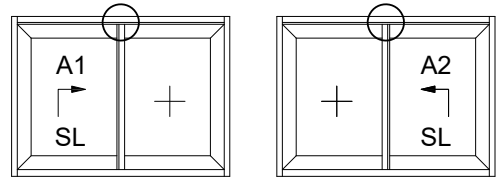
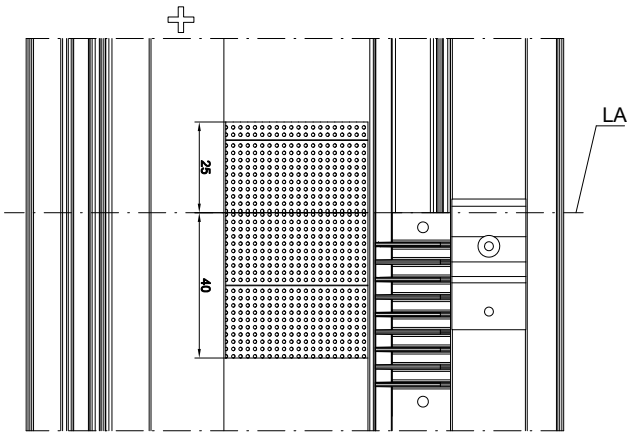
* Verwendung weiterer Zusatzverriegelungen nur bei Windlasten ab 2000 Pa erforderlich

* Use of further additional locking systems required for wind loads from 2000 Pa only



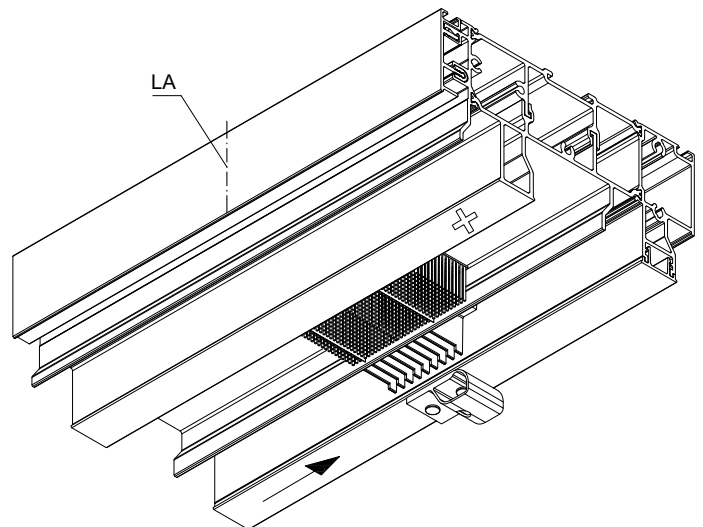
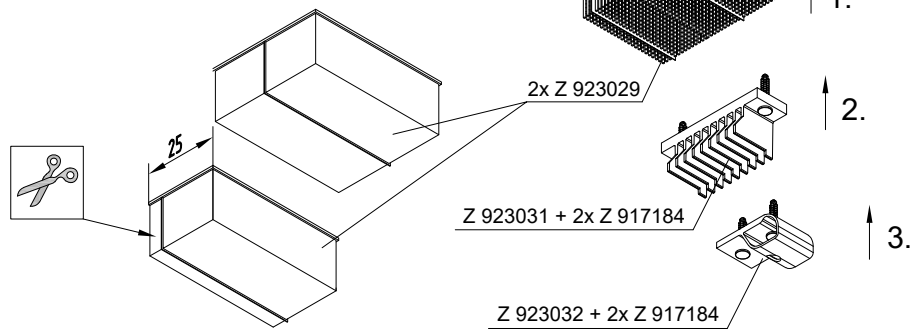
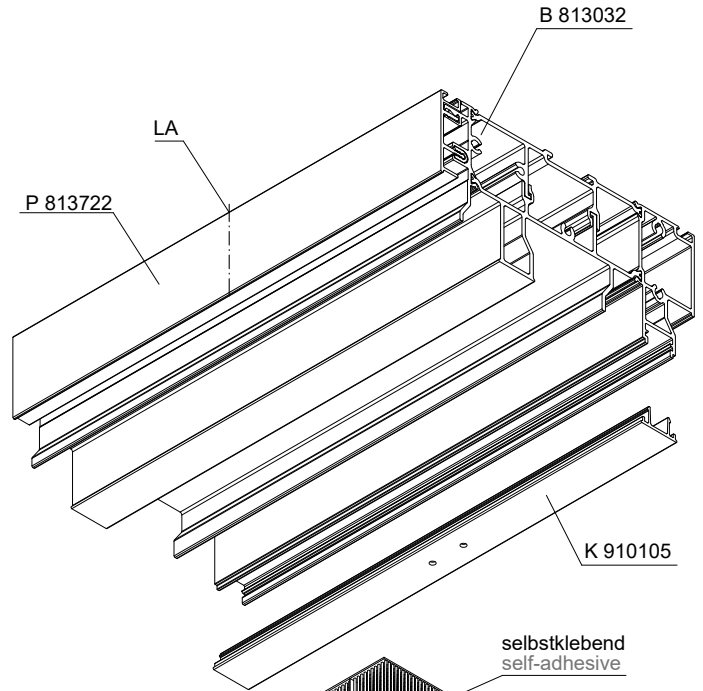
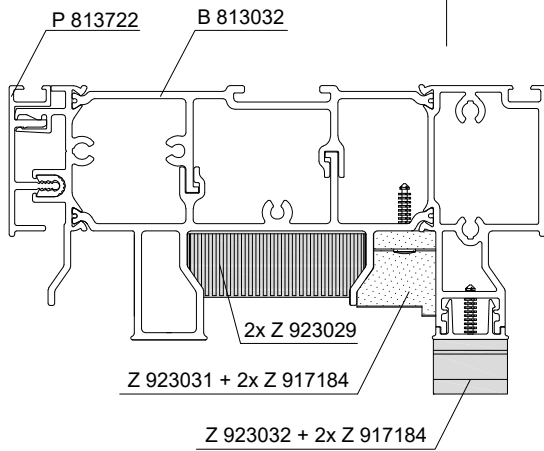
A2 SL

MONTAGE • DICHTFORMTEILE
 ASSEMBLY • SHAPED GASKET PIECES



Schema A1 SL dargestellt
 Scheme A1 SL shown

Schema A2 SL spiegelbildlich
 Scheme A2 SL mirror-inverted



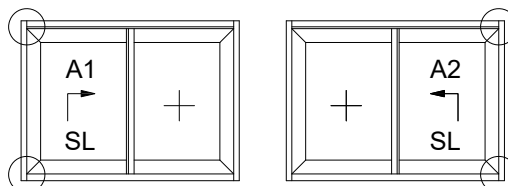
MONTAGE • ECKVERBINDUNGEN
 ASSEMBLY • CORNER CONNECTIONS

Bearbeitungsschritte Schema A1 SL

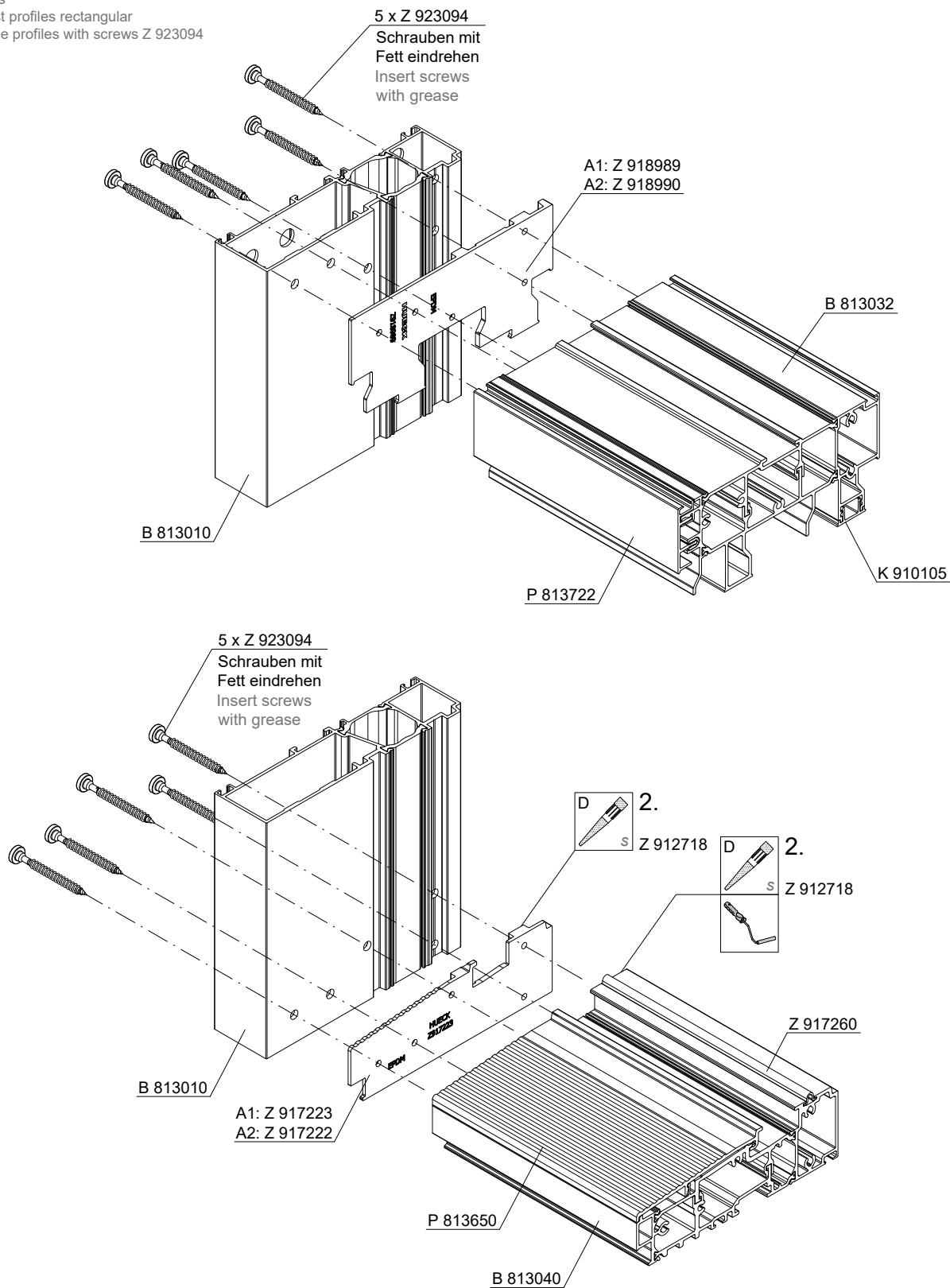
1. Dämmkern in Blendrahmen B 813010 und B 813021 einschieben (optional)
2. Dichtstoff auf Dichtformteil und Blendrahmen aufbringen und Dichtformteile einlegen
3. Profile rechtwinklig ausrichten
4. Profile mit Schrauben Z 923094 verschrauben

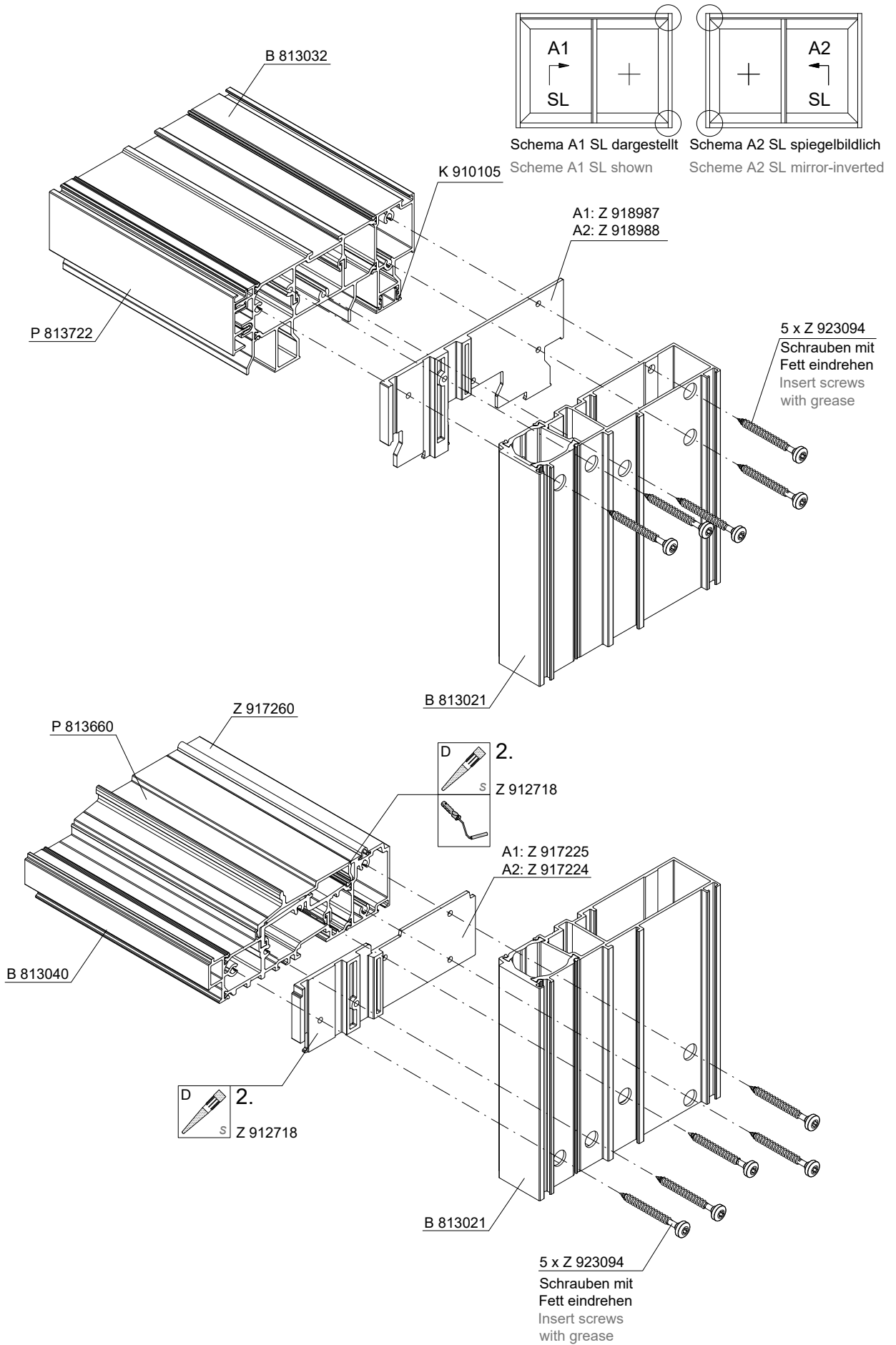
Processing steps scheme A1 SL

1. Insert insulating core into fixed frame B 813010 and B 813021 (optionally)
2. Apply sealing compound on the shaped gasket piece and the fixed frame and assemble the shaped gasket pieces
3. Adjust profiles rectangular
4. Fix the profiles with screws Z 923094



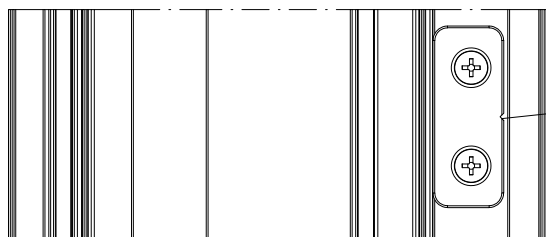
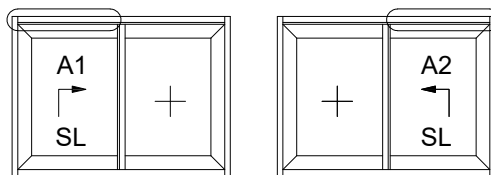
Schema A1 SL dargestellt Schema A2 SL spiegelbildlich
 Scheme A1 SL shown Scheme A2 SL mirror-inverted



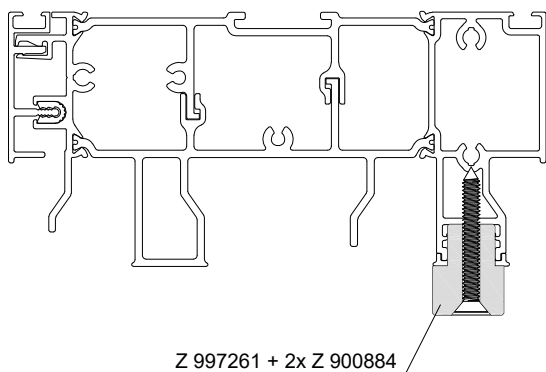


MONTAGE • WINDSICHERUNG
 ASSEMBLY • WIND PROTECTION

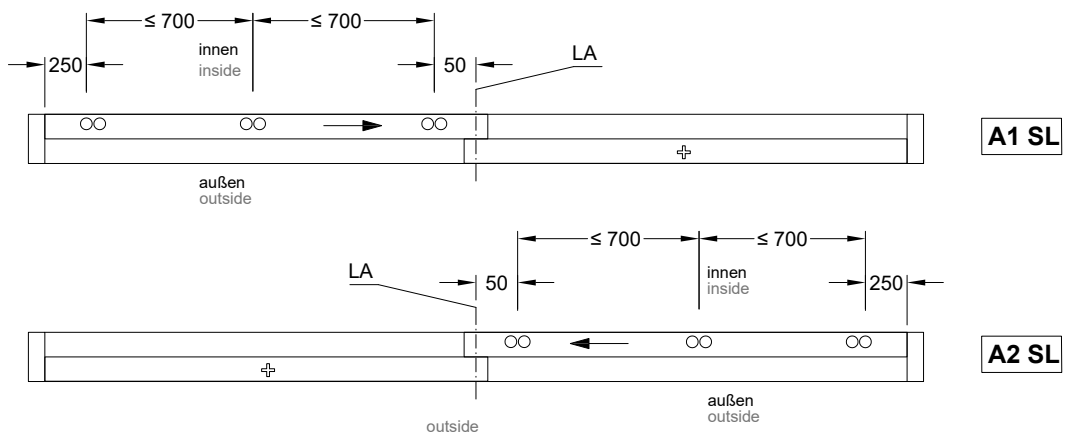
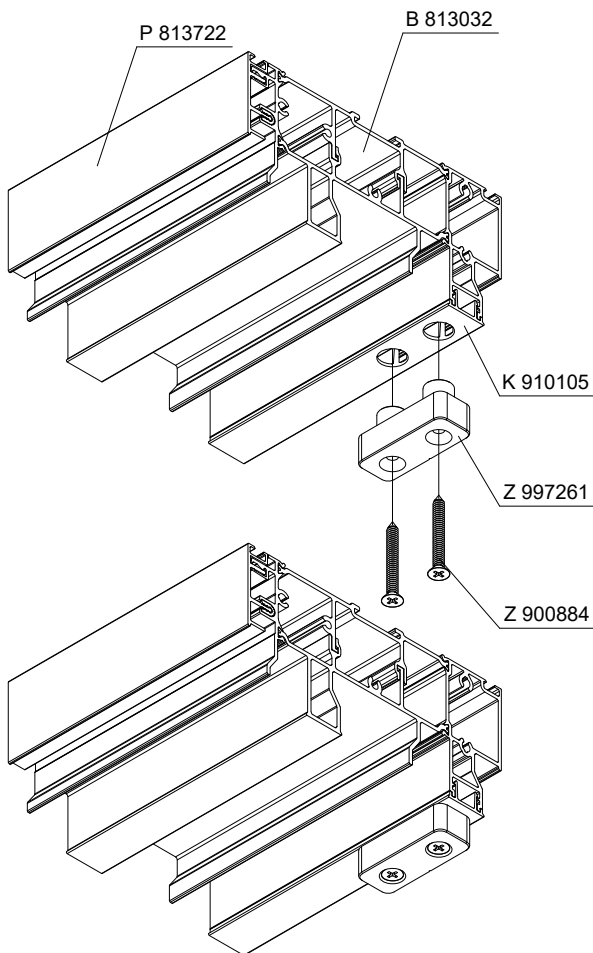
Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



Asymmetrisches Bauteil
 Markierung muss nach innen zeigen
 Asymmetrical component
 Mark must point inward

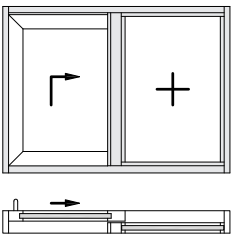
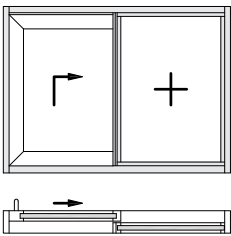



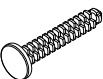

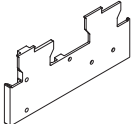

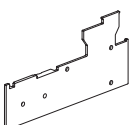

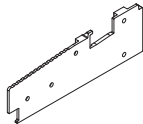
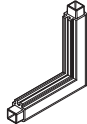
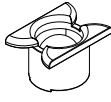
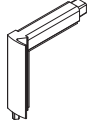
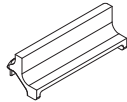
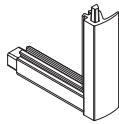
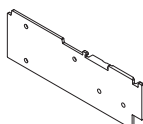
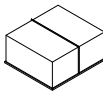
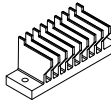
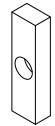

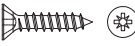
Z 997261 + 2x Z 900884



ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME

BLENDRAHMEN
FIXED FRAME

Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
MA1			<p>Monorail mit 2 Feldern Schiebeflügel links, Festfeld rechts Primärer Flügel nach links öffnend</p> <p>Monorail with 2 fields Sliding sash left, fixed field right Primary sash sliding to the left</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity			
Z 997655	 Z 900920	2	 Z 917184	4			
	 Z 923094	20					
	 Z 918989	1	 Z 923030	2			
	 Z 918992	1	 Z 917634	25			
	 Z 917223	1	 Z 918345	2			
	 Z 917253	1	 Z 918493	1			
	 Z 923018	2	 Z 918494	1			
	 Z 918120	1	 Z 923064	2			
	 Z 923031	1	 Z 917241	2			
	 Z 923032	1	 Z 900656	15			

ZUBEHÖRSÄTZE • BLENDRAHMEN
 ACCESSORY SETS • FIXED FRAME

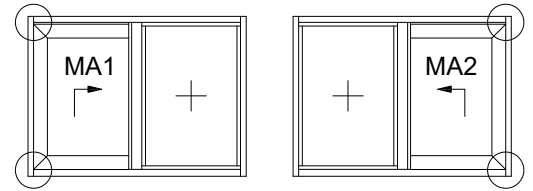
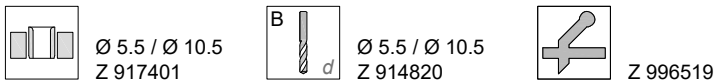
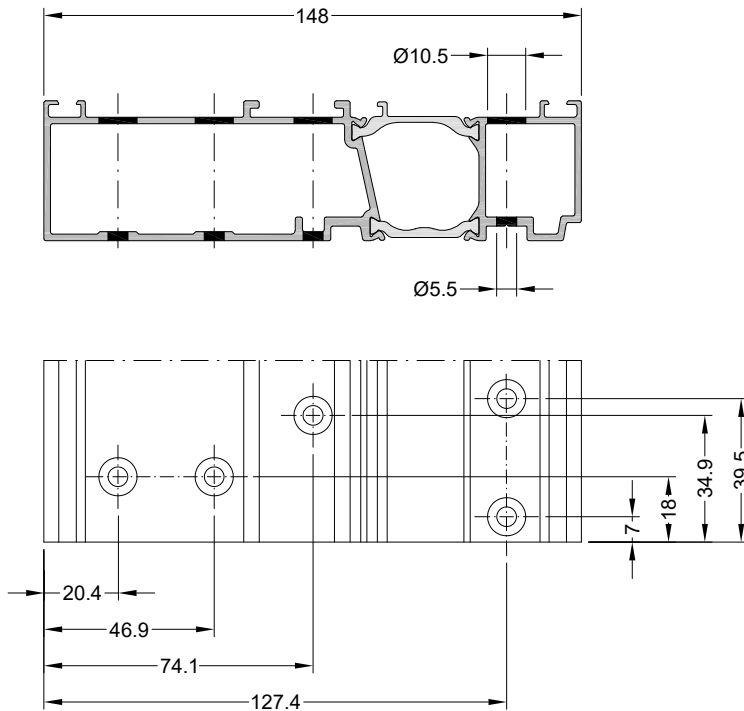
BLENDRAHMEN
 FIXED FRAME

Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
MA2			<p>Monorail mit 2 Feldern Schiebeflügel rechts, Festfeld links Primärer Flügel nach rechts öffnend</p> <p>Monorail with 2 fields Sliding sash right, fixed field left Primary sash sliding to the right</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity				
Z 997656		Z 900920	2		Z 917184	4		
		Z 923094	20					
		Z 918990	1		Z 923030	2		
		Z 918991	1		Z 917634	25		
		Z 917222	1		Z 918345	2		
		Z 917253	1		Z 918493	1		
		Z 923018	2		Z 918494	1		
		Z 918119	1		Z 923064	2		
		Z 923031	1		Z 917241	2		
		Z 923032	1		Z 900656	15		

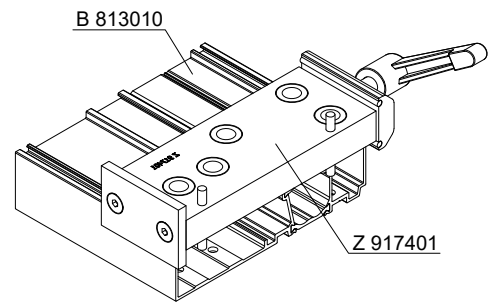
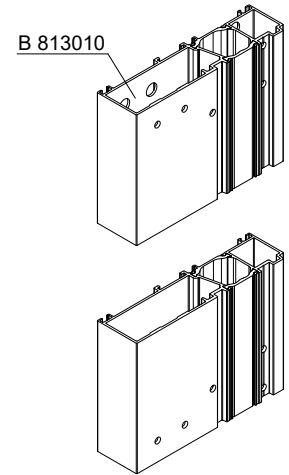
ECKVERBINDUNGEN
 CORNER CONNECTIONS

B 813010

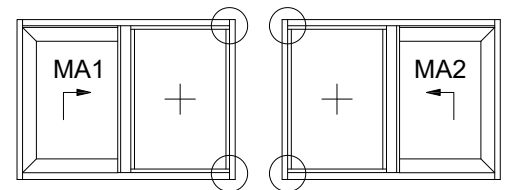
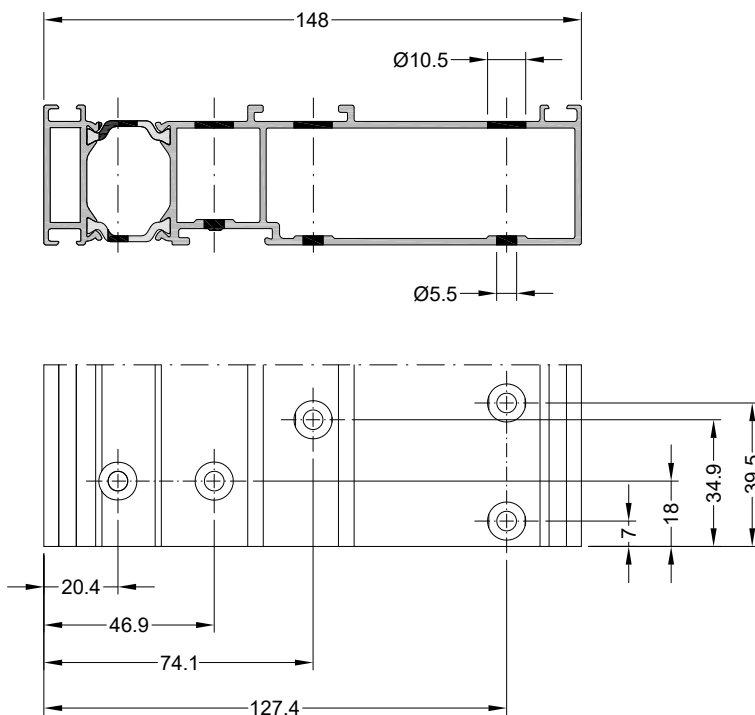


Schema MA1 dargestellt
 Schema MA1 shown

Schema MA2 spiegelbildlich
 Schema MA2 mirror-inverted

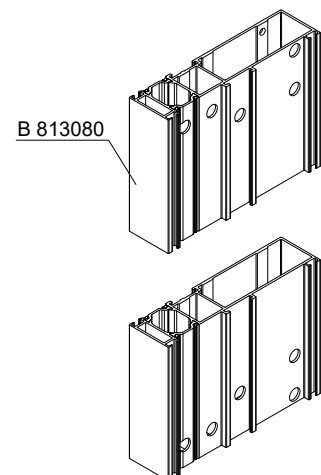


B 813080



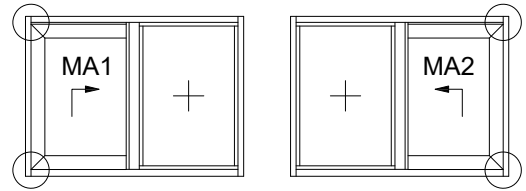
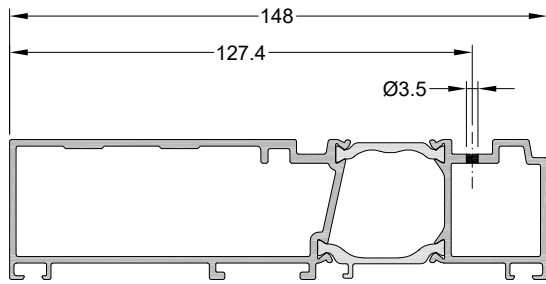
Schema MA1 dargestellt
 Schema MA1 shown

Schema MA2 spiegelbildlich
 Schema MA2 mirror-inverted



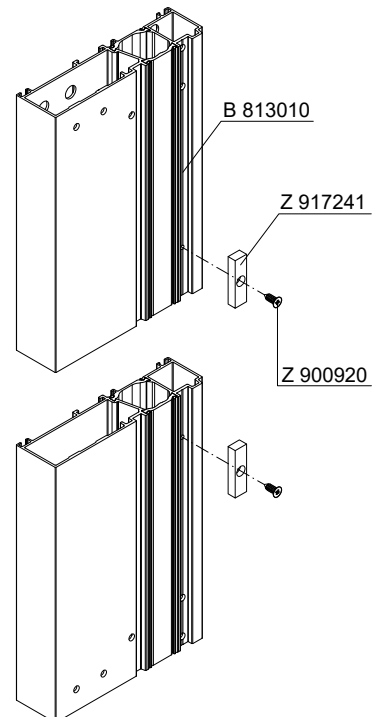
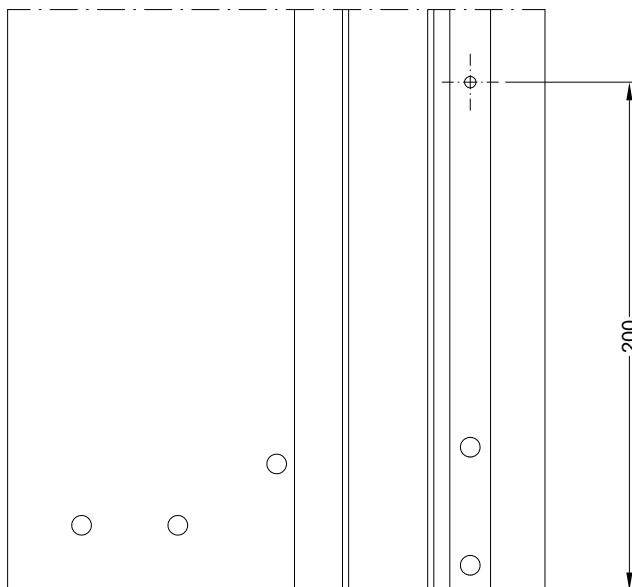
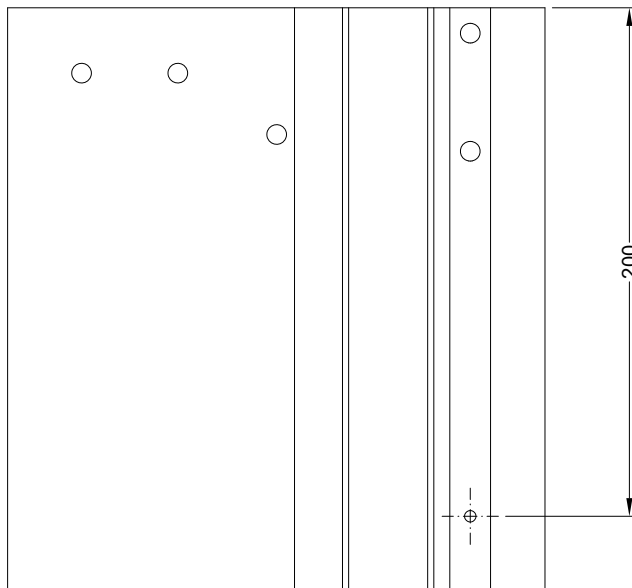
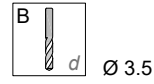
ANSCHLAGPUFFER
 STOP BUFFER

B 813010



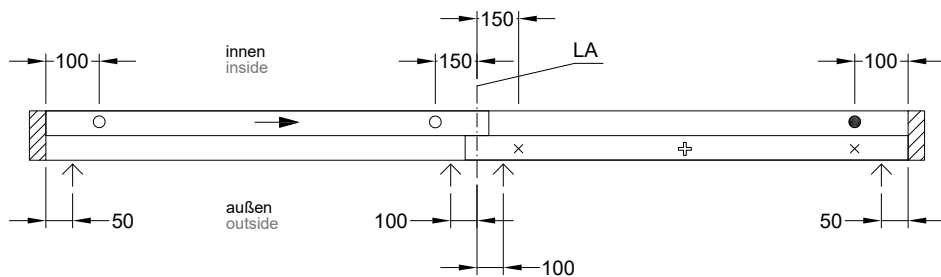
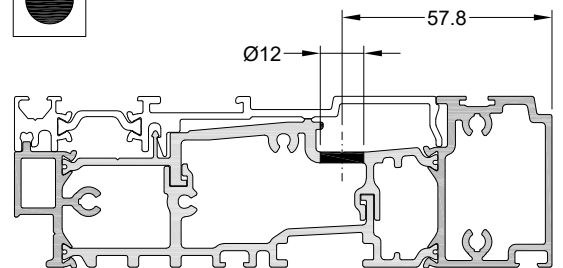
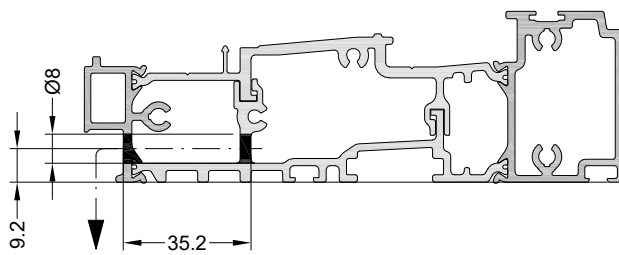
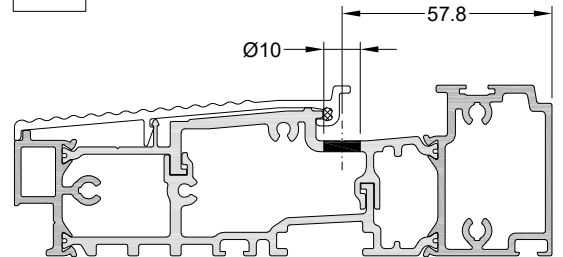
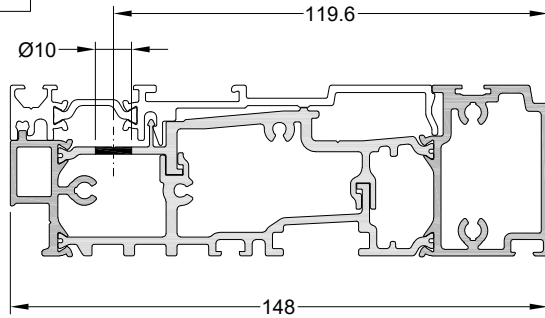
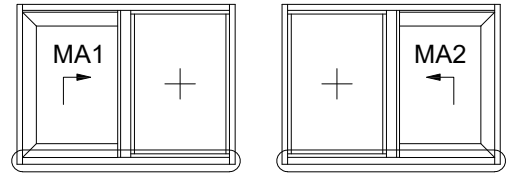
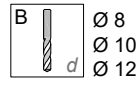
Schema MA1 dargestellt
 Scheme MA1 shown

Schema MA2 spiegelbildlich
 Scheme MA2 mirror-inverted

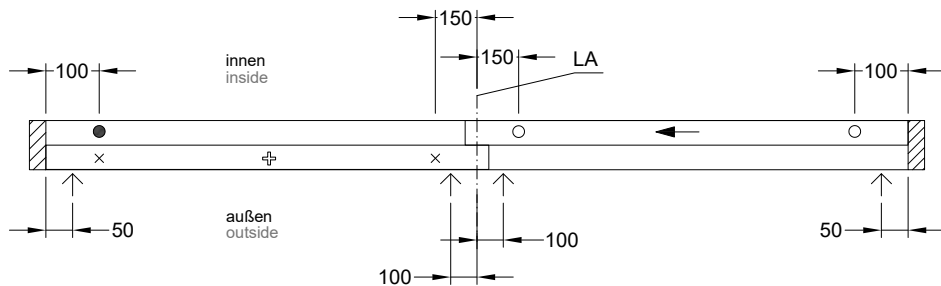


ENTWÄSSERUNG
DRAINAGE

B 813040



MA1

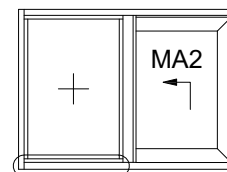
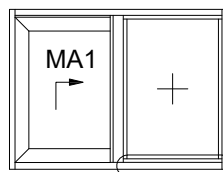
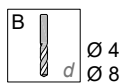
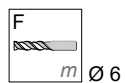


MA2

- × Bohrung Ø10
- Bohrung Ø10
- ↑ Bohrung Ø8
- Bohrung Ø12 für Kugelventil

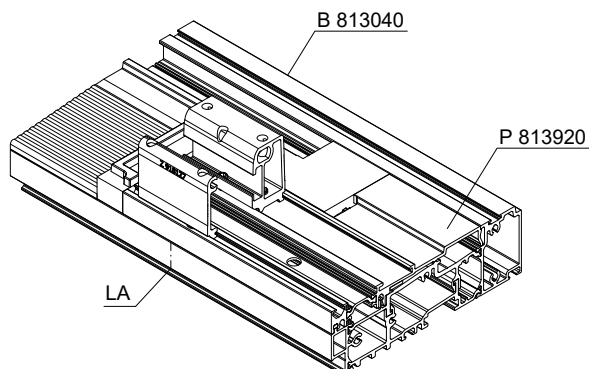
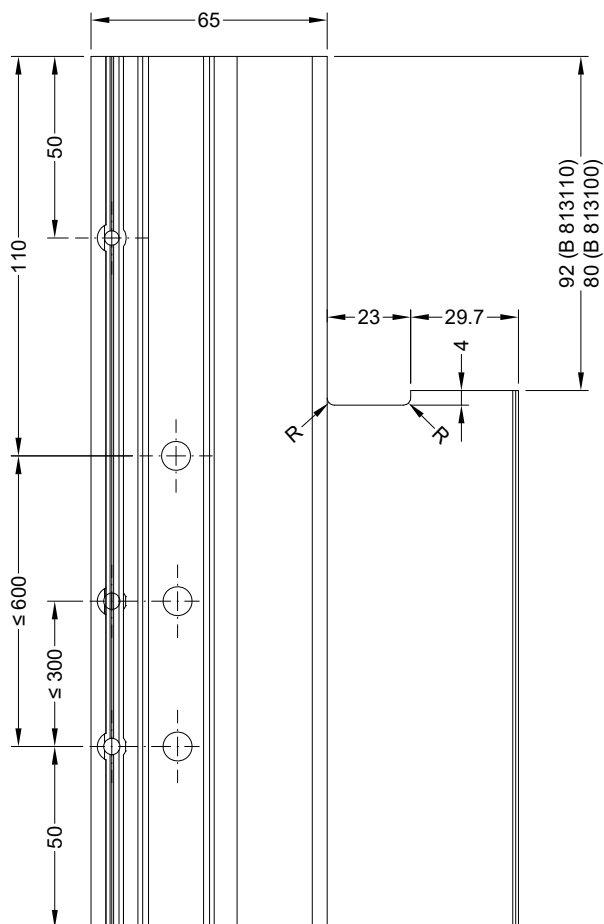
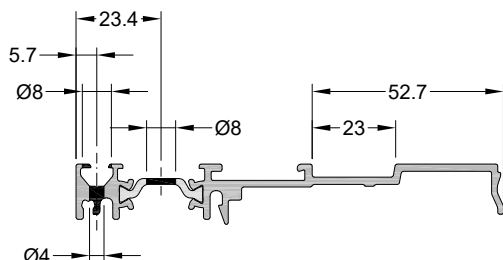
- × drill hole Ø10
- drill hole Ø10
- ↑ drill hole Ø8
- drill hole Ø12 for ball valve

B 813920



Schema MA1 dargestellt
 Scheme MA1 shown

Schema MA2 spiegelbildlich
 Scheme MA2 mirror-inverted



BELÜFTUNG
 VENTILATION

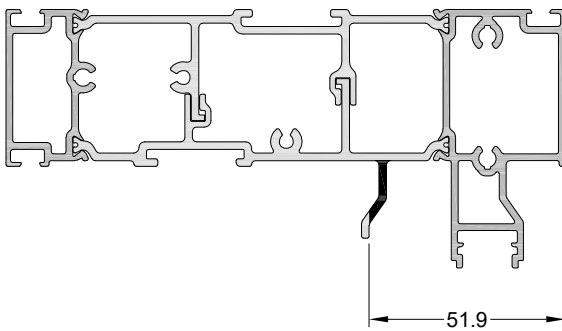
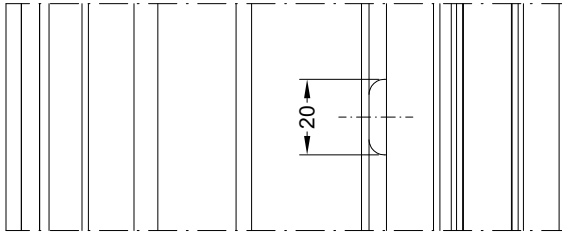
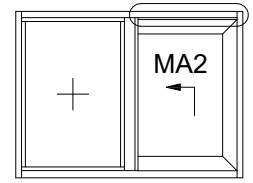
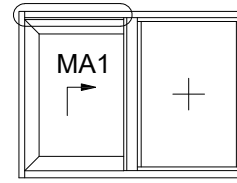
B 813071



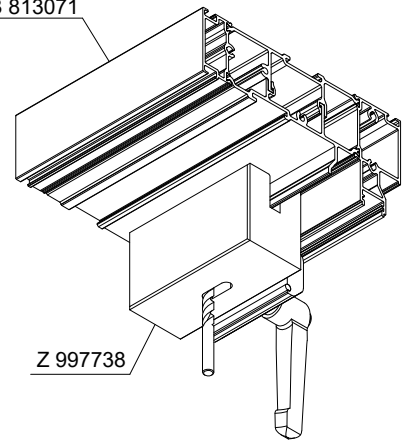
Z 997738



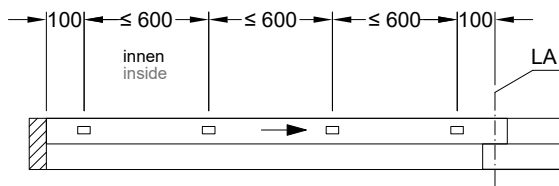
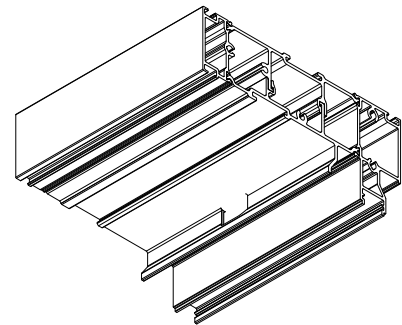
Ø 6



B 813071

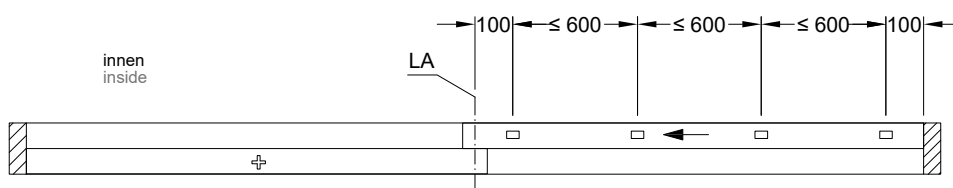


Z 997738



MA1

außen
 outside



MA2

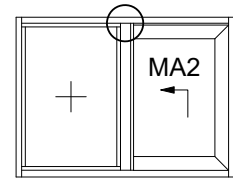
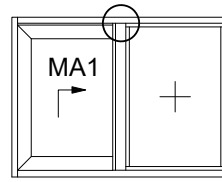
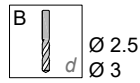
außen
 outside

□ Fräsung Ø6

□ milling Ø6

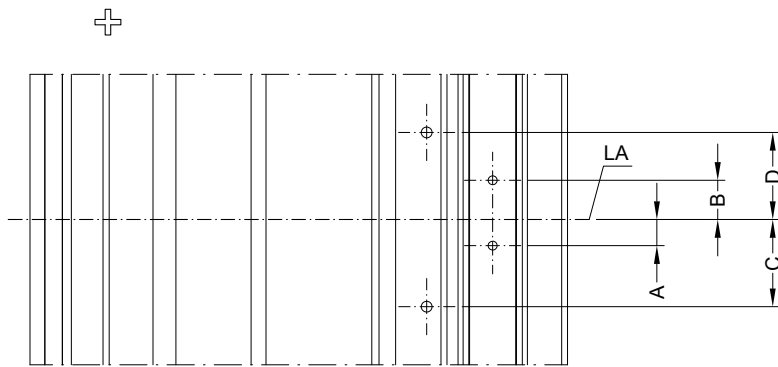
DICHTFORMTEIL
 SHAPED GASKET PIECE

B 813071 + K 910105

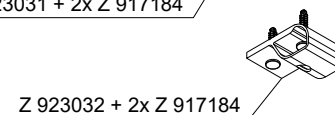
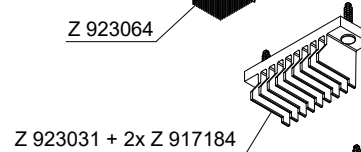
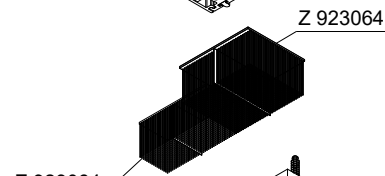
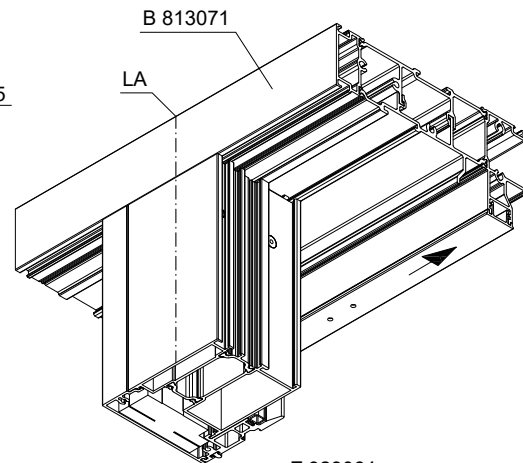
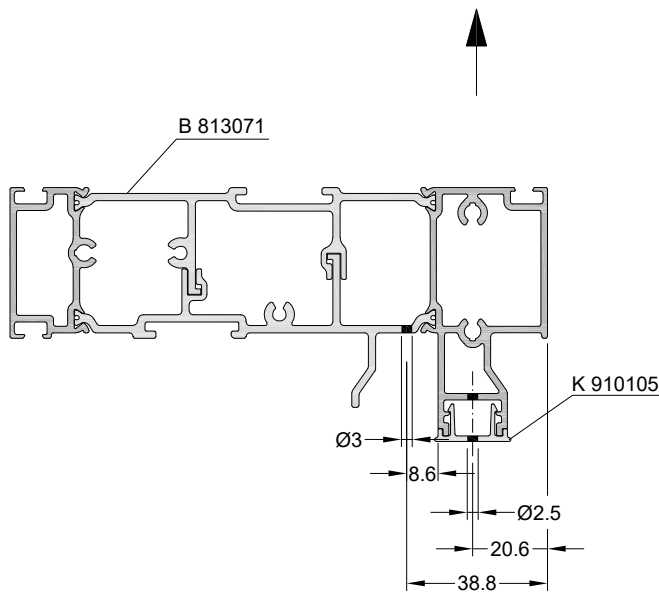


Schema MA1 dargestellt
 Scheme MA1 shown

Schema MA2 spiegelbildlich
 Scheme MA2 mirror-inverted

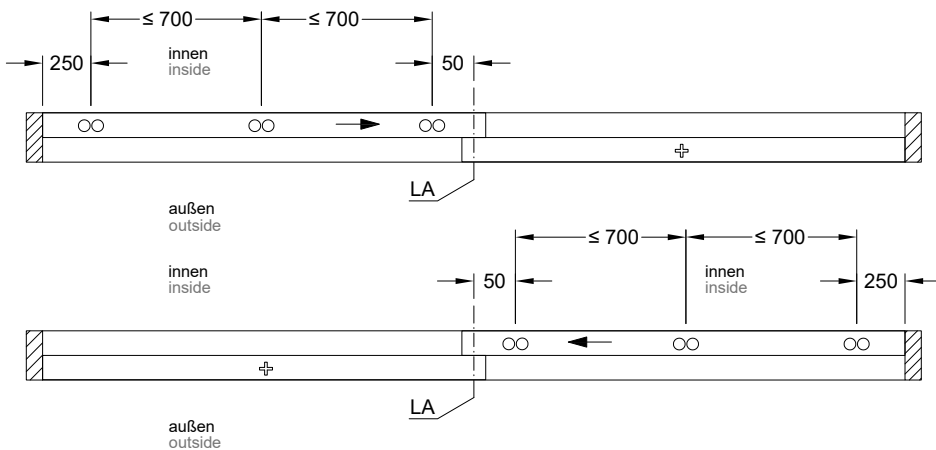
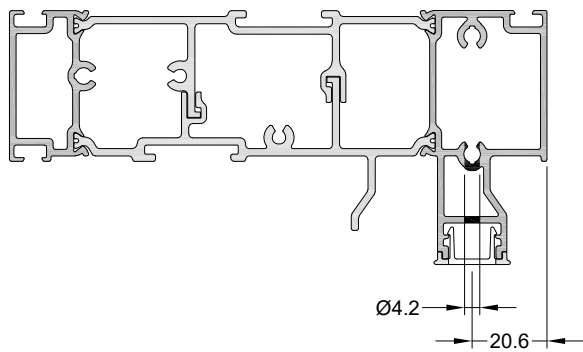
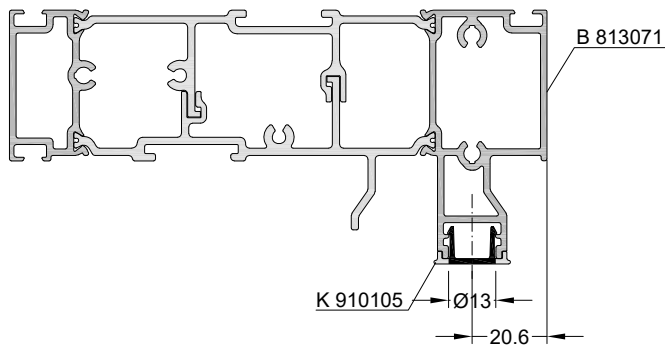
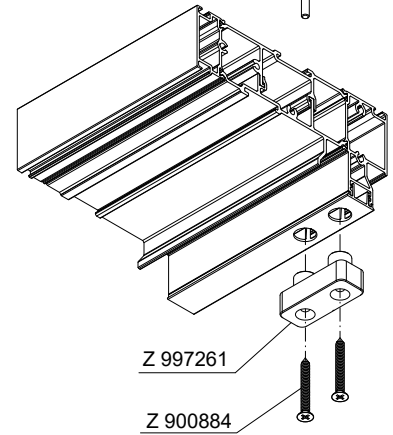
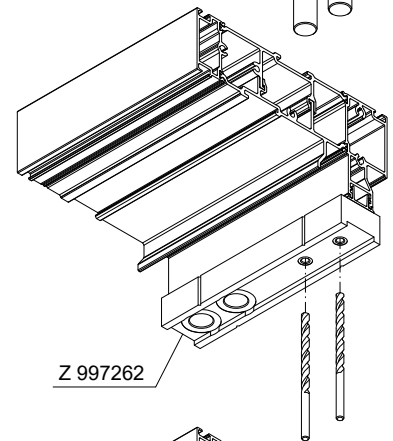
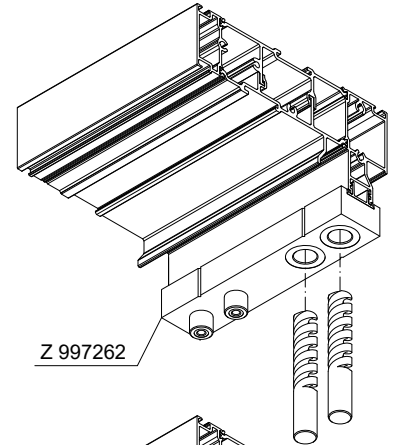
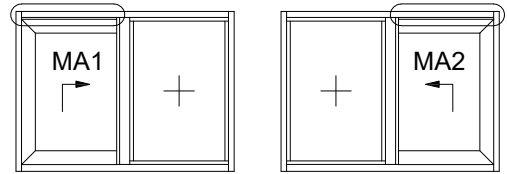
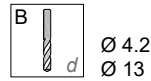
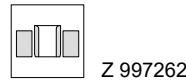
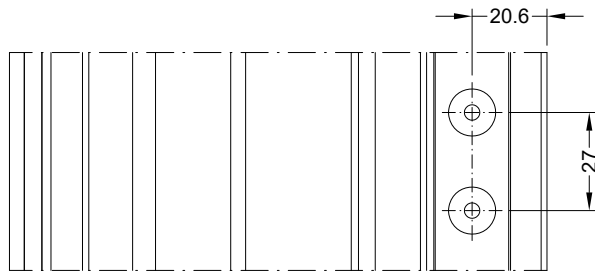


	A	B	C	D
B 813110	7	11	24	24
B 813100	13	5	30	18



Nur bei Windlasten ab 2000 Pa erforderlich
Only required for wind loads from 2000 Pa

B 813071 + K910105



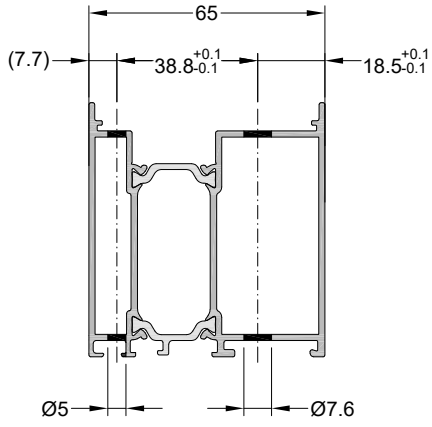
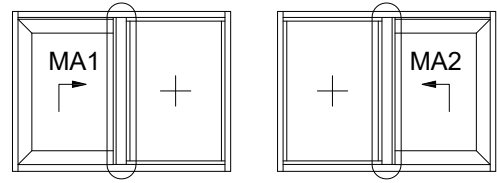
MA1

MA2

∅ Bohrung Ø 13 / Ø 4.3

∅ drill hole Ø 13 / Ø 4.3

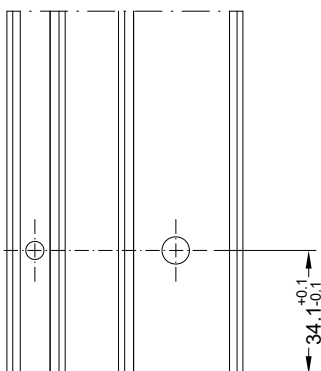
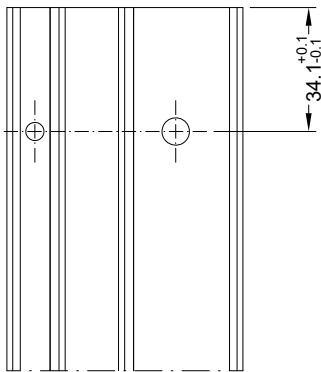
B 813110 / B 813100



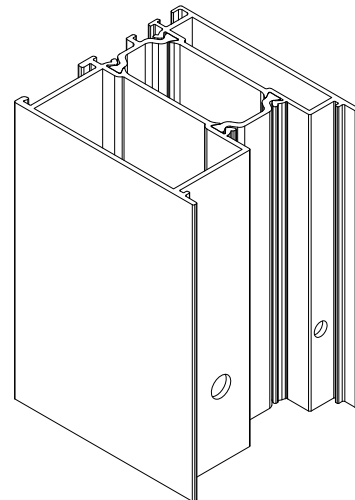
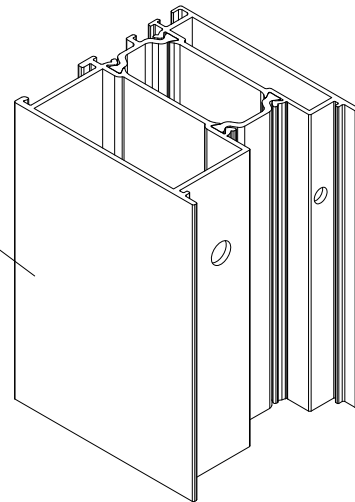
Ø 5 / Ø 7.6
 Z 914709



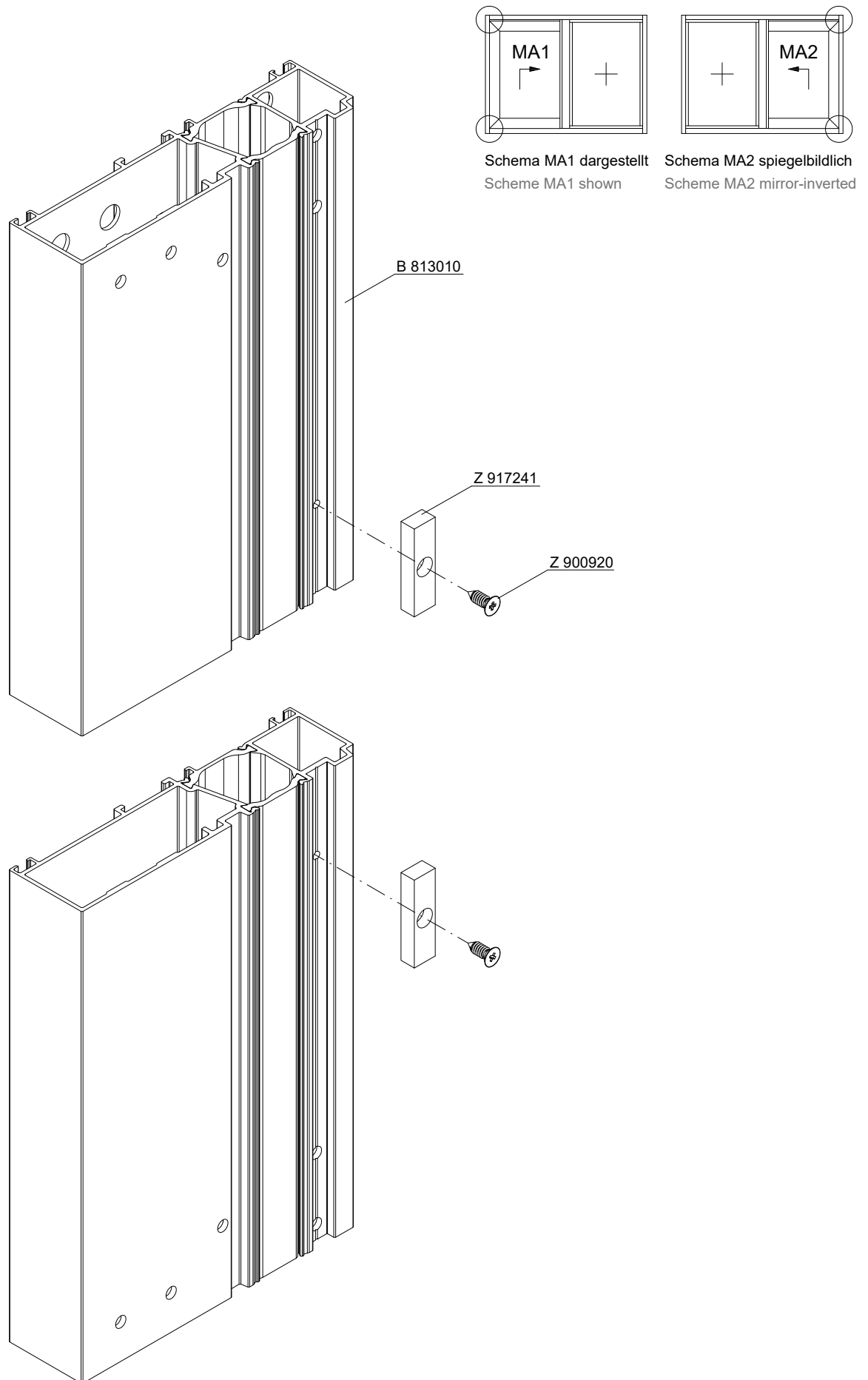
Ø 5
 Ø 7.6

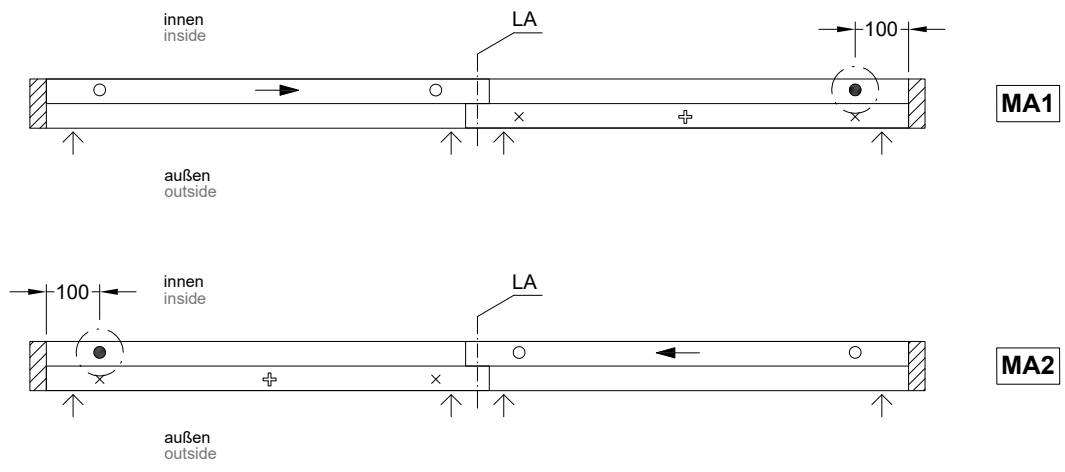
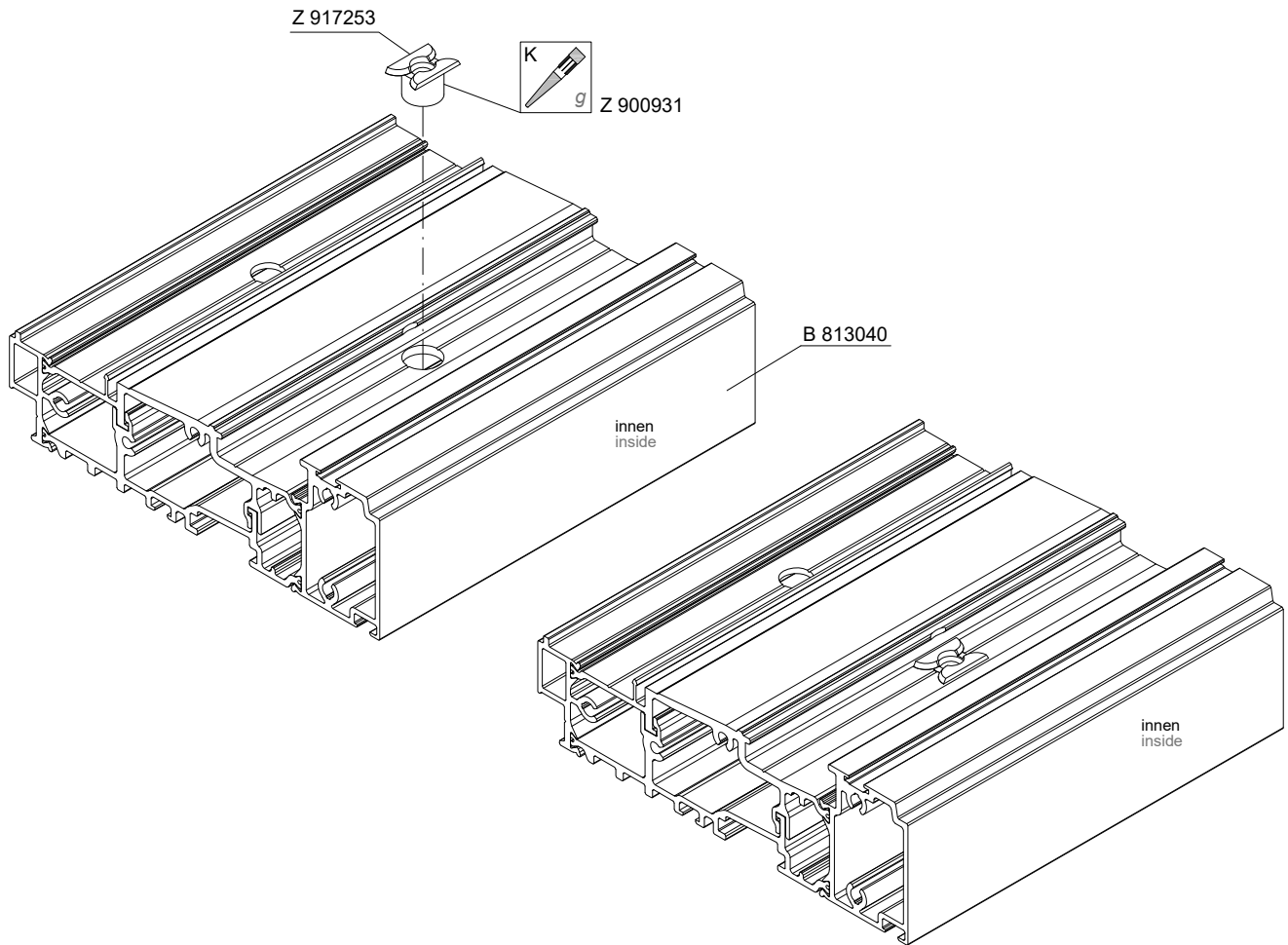
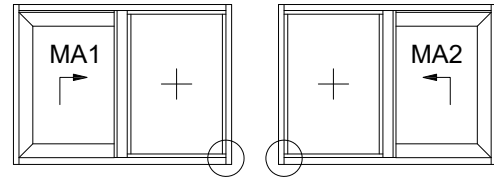
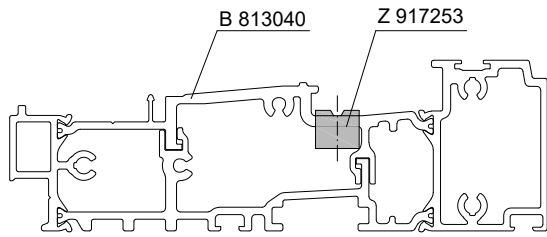


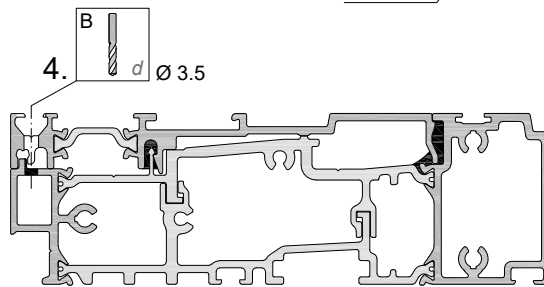
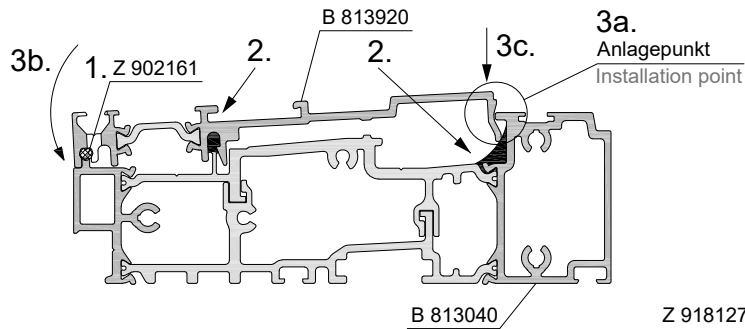
B 813110
 B 813100



MONTAGE • ANSCHLAGPUFFER
ASSEMBLY • STOP BUFFER

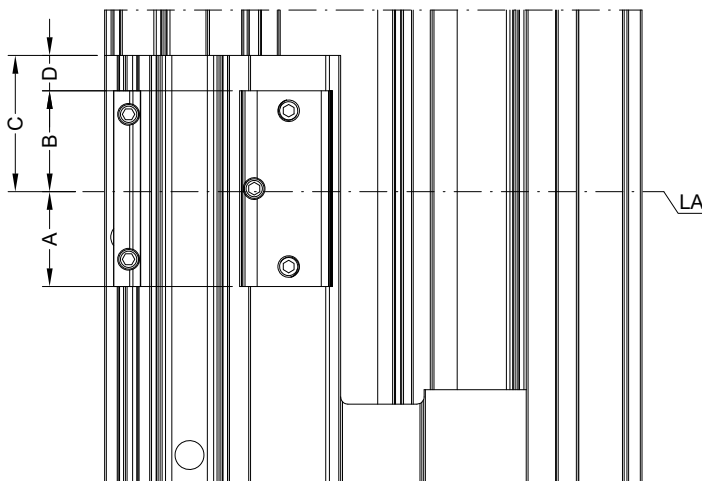
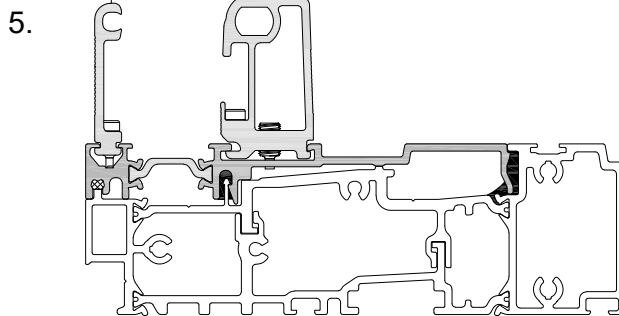




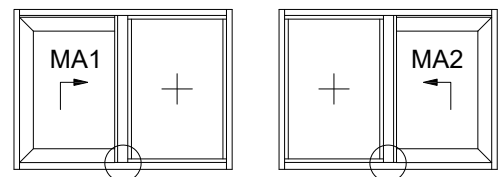


Z 918127 (B 813110)
Z 917792 (B 813100)

Z 918128 (B 813110)
Z 918126 (B 813100)

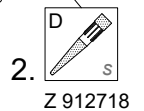
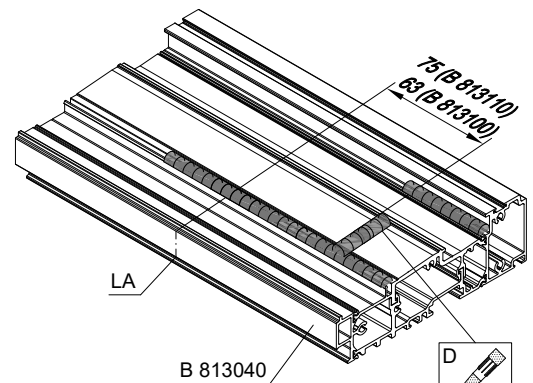
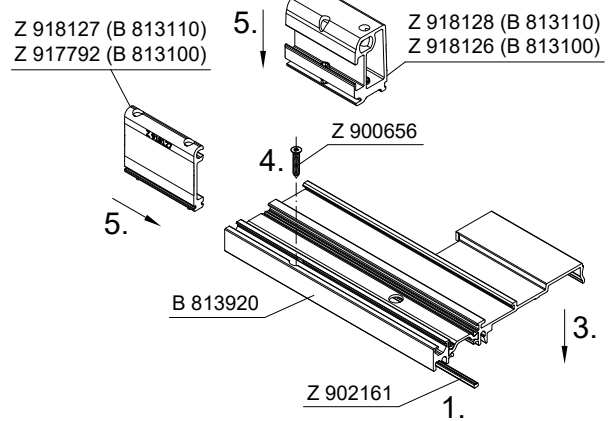


	A	B	C	D
B 813110	26.1	27.8	37.5 (9.7)	
B 813100	20.1	21.8	31.5 (9.7)	



Schema MA1 dargestellt
Schema MA1 shown

Schema MA2 spiegelbildlich
Schema MA2 mirror-inverted

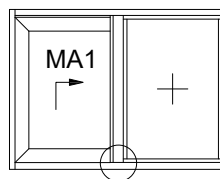
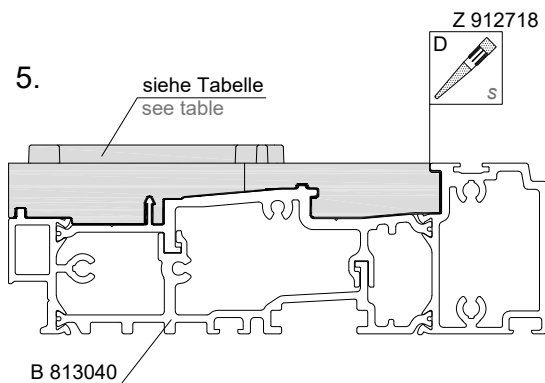


Bearbeitungsschritte Schema MA1

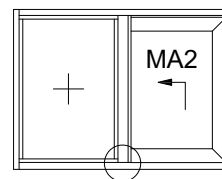
1. Dichtungsgrundschnur Z 902161 in B 813920 eindrücken
2. Dichtstoff auf Blendrahmen B 813040 und Profil B 813920 aufbringen
3. a) B 813920 von außen gesehen rechts bündig und am Anlagepunkt anlegen / b) eindrehen / c) andrücken
4. Profil B 813040 mit Ø 3.5 mm bohren und mit Profil B 813920 und Schrauben Z 900656 verbinden
5. Stoßverbinder in B 813920 einschieben / einhängen, ausrichten und die Schrauben andrehen

Processing steps scheme MA1

1. Insert gasket cord Z 902161 in profile B 813920
2. Apply sealing compound on profile B 813040 and B 813920
3. a) Place B 813920 right flush, in contact with the installation point / b) Turn in / c) Press down
4. Profile B 813040 drill with Ø 3.5 mm and connect with screws Z 900656 and Profile B 813920
5. Install T-brackets with B 813920 and fix with screws after adjusting

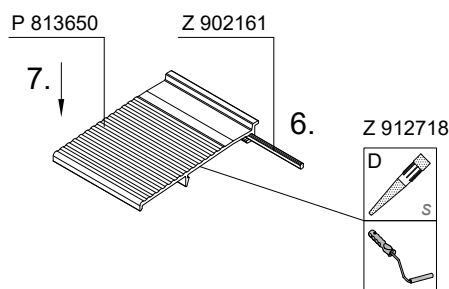
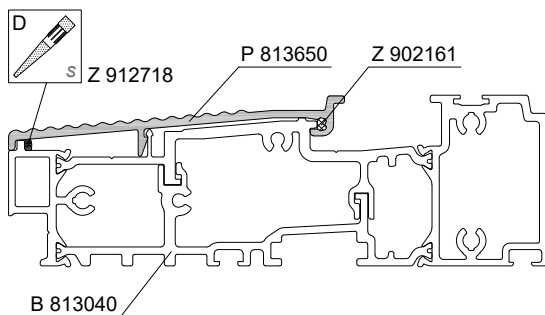


Schema MA1 dargestellt
 Schema MA1 shown

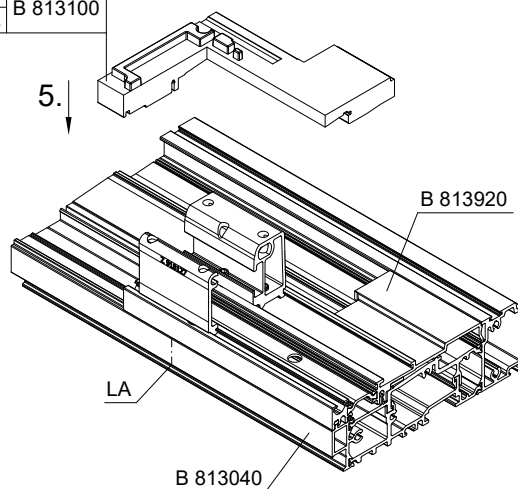


Schema MA2 spiegelbildlich
 Schema MA2 mirror-inverted

6. + 7.



MA1	Z 918845	B 813110
MA2	Z 918844	B 813110
MA1	Z 918997	B 813100
MA2	Z 918998	B 813100

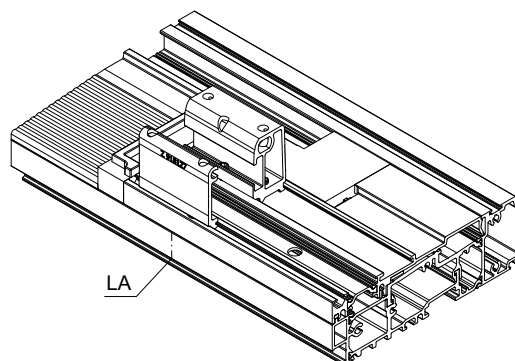


Bearbeitungsschritte Schema MA1

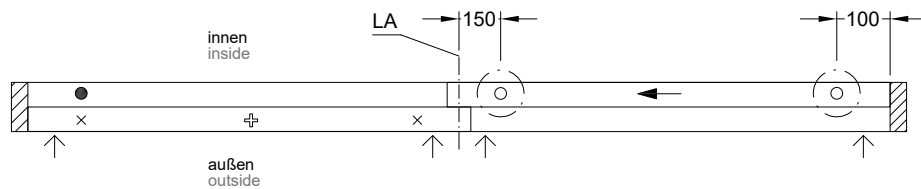
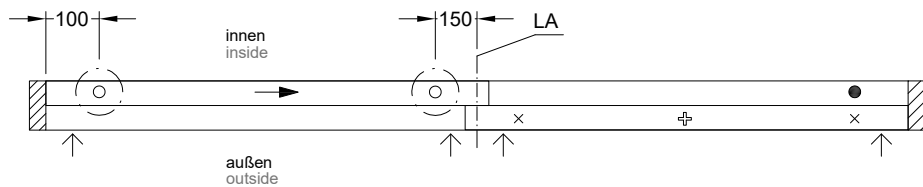
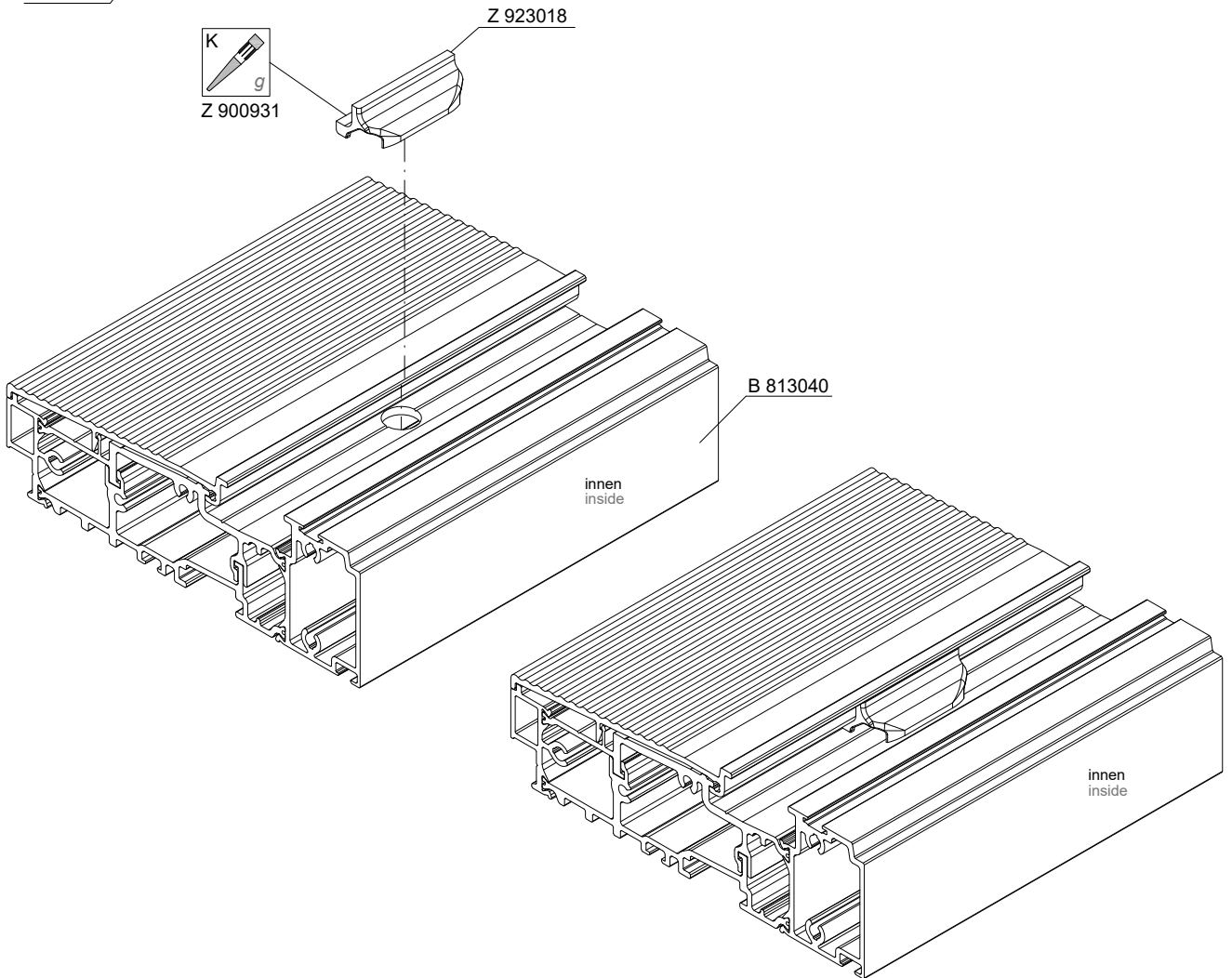
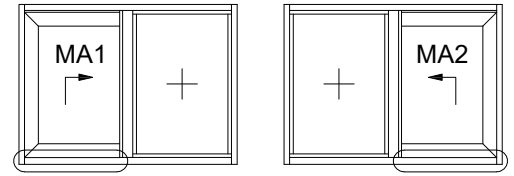
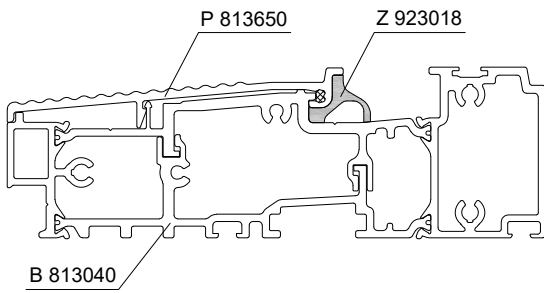
5. Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu Profil B 813920 einsetzen
6. Dichtungsroundschnur Z 902161 in P 813650 eindrücken
7. Dichtstoff auf Blendrahmen B 813040 und Profil P 813650 aufbringen und Profil P 813650 bündig zum Dichtformteil einklipsen

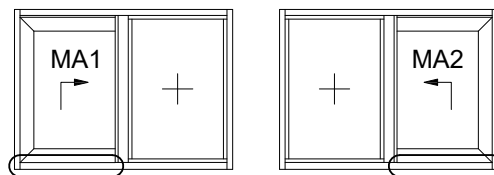
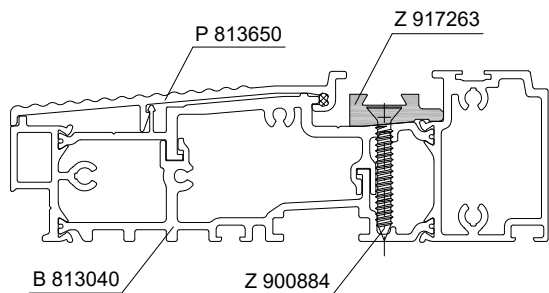
Processing steps scheme MA1

5. Fix the shaped gasket piece (see table) with sealing compound flush to profile B 813920
6. Insert gasket cord Z 902161 in profile B 813650
7. Apply sealing compound to fixed frame B 813040 and profile P 813650 and snap on P 813650 flush with shaped gasket piece



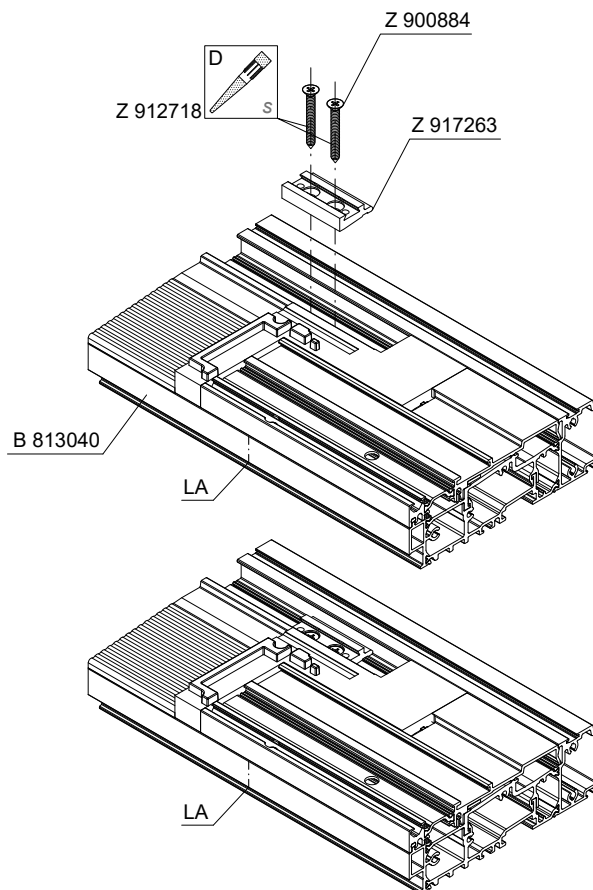
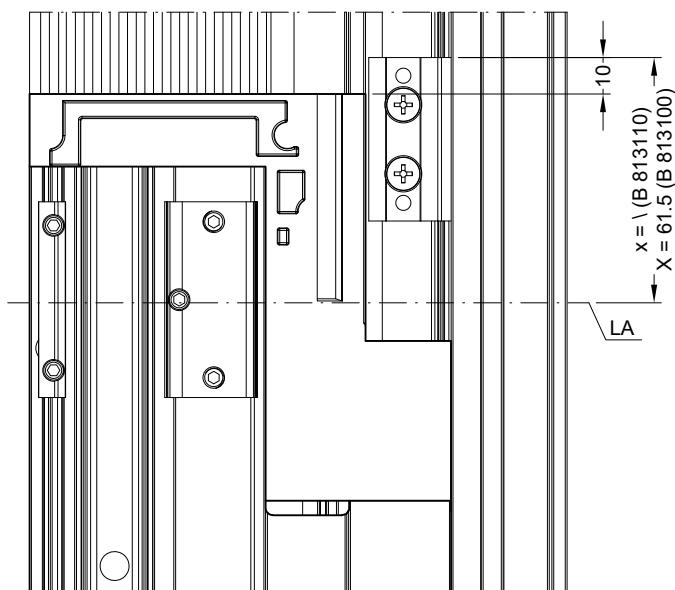
MONTAGE • BELÜFTUNG / ENTWÄSSERUNG
 ASSEMBLY • VENTILATION / DRAINAGE





Schema MA1 dargestellt
 Scheme MA1 shown

Schema MA2 spiegelbildlich
 Scheme MA2 mirror-inverted



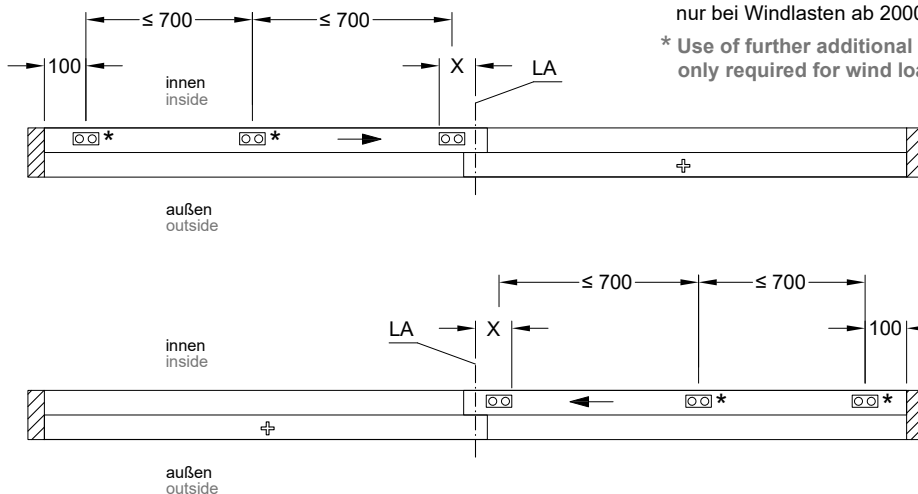
Darstellung ohne Stoßverbinder!
 Shown without T-bracket !

Bearbeitungsschritte Schema MA1

1. Unterteil Z 91263 in Blendrahmen B 813040 einsetzen
2. Mit Senkblechschrauben Z 900884 ohne vorbohren verschrauben

Processing steps scheme MA1

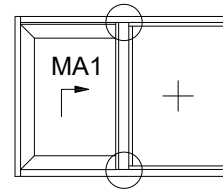
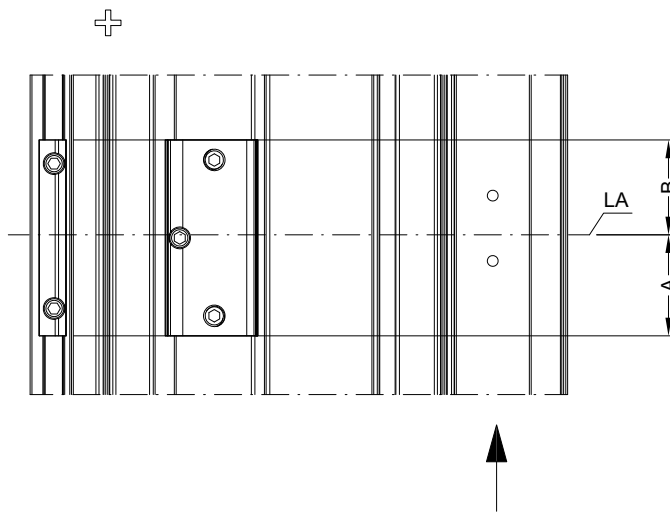
1. Insert base part Z 91263 into fixed frame B 813040
2. Fix it with countersunk self-tapping screw Z 900884 without pre-drilling



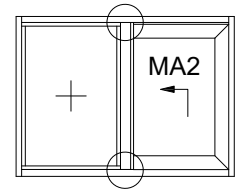
* Verwendung weiterer Zusatzverriegelungen
 nur bei Windlasten ab 2000 Pa erforderlich
 * Use of further additional locking systems
 only required for wind loads from 2000 Pa

MA1

MA2

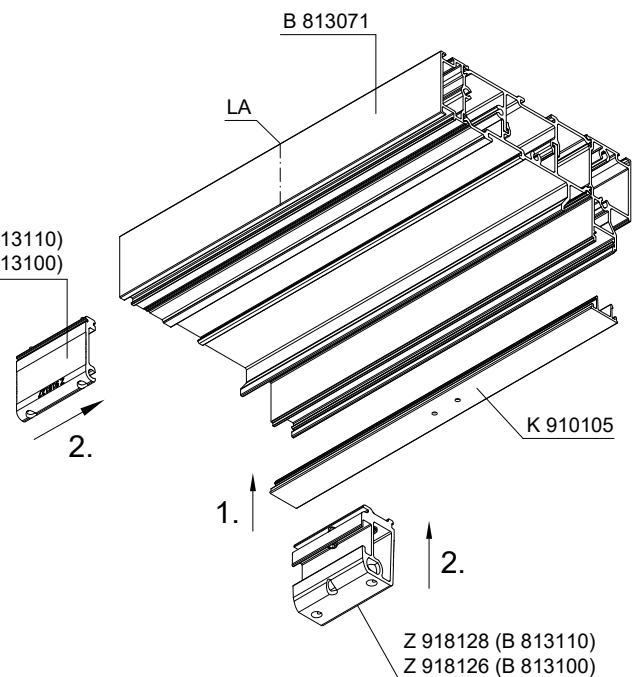
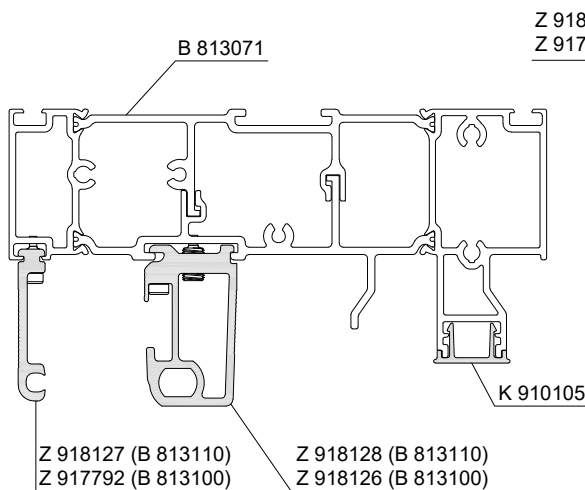


Schema MA1 dargestellt
Scheme MA1 shown



Schema MA2 spiegelbildlich
Scheme MA2 mirror-inverted

	A	B
B 813110	27.8	26.1
B 813100	21.8	20.1

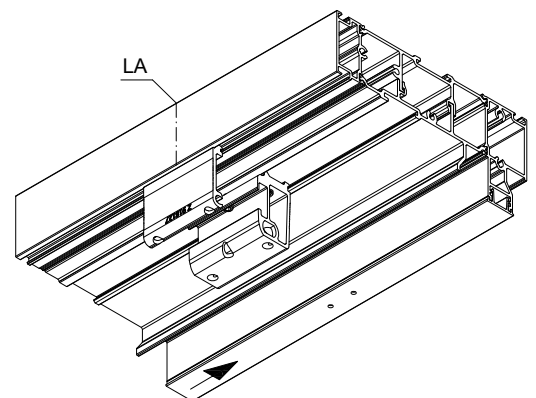


Bearbeitungsschritte Schema MA1

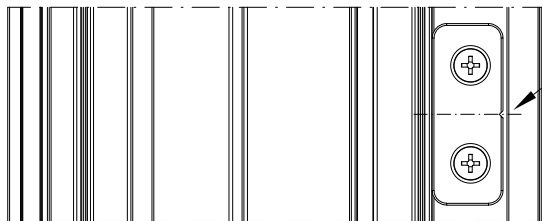
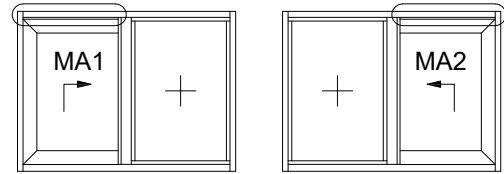
1. Abdeckprofil K 910105 auf Blendrahmen B 813071 aufklipsen
2. Stoßverbinder in Blendrahmen B 813071 einschieben / einhängen, ausrichten und die Schrauben andrehen

Processing steps scheme MA1

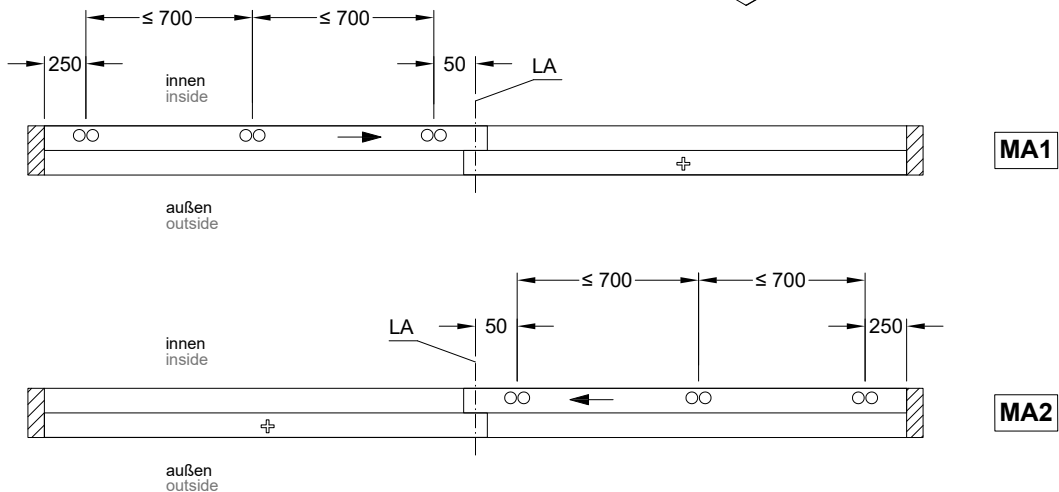
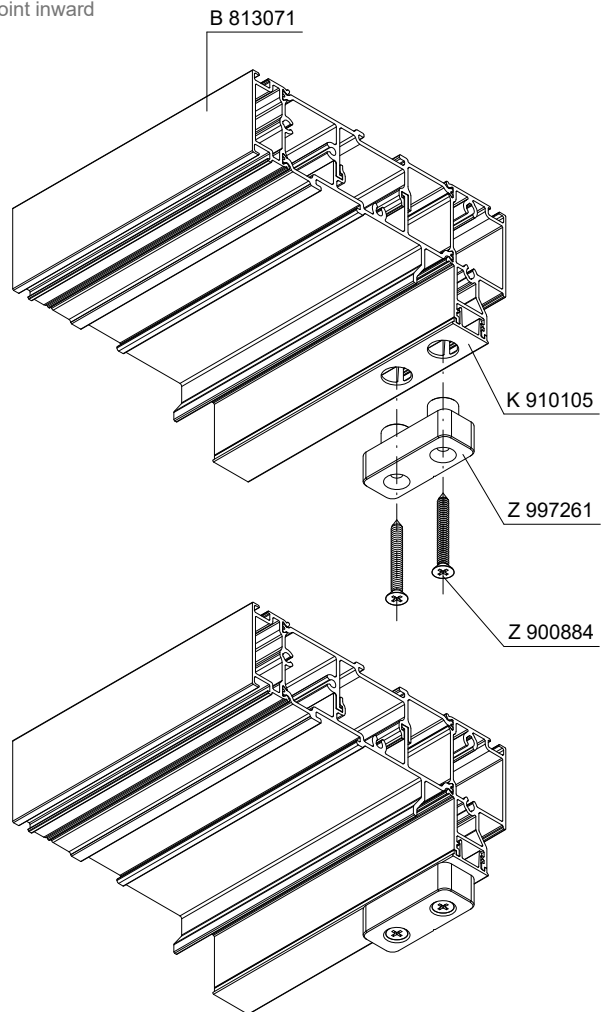
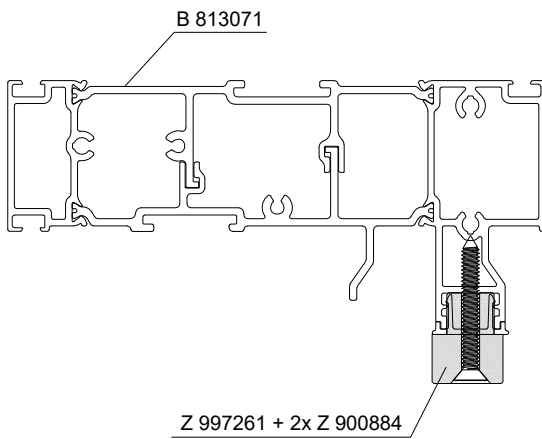
1. Snap on cover profil K 910105 to fixed frame B 813071
2. Insert T- brackets in fixed frame B 813071 and fix with screws



Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



Asymmetrisches Bauteil
 Markierung muss nach
 innen zeigen
 Asymmetrical component
 Mark must point inward



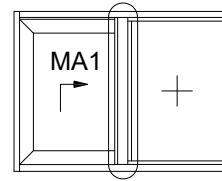
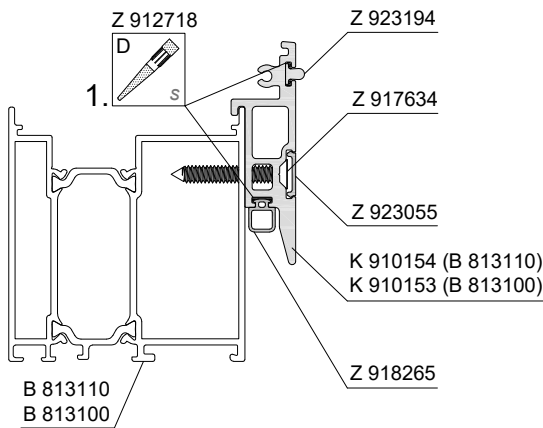
RAHMENMONTAGE
FRAME ASSEMBLY

Bearbeitungsschritte Schema MA1

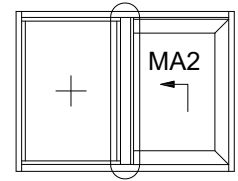
1. Dichtungen Z 918265 und Z 923194 in Labyrinthprofil K 910154/ K910153 eindrücken und oben und unten mit Dichtstoff fixieren
2. Labyrinthprofil stirnseitig oben mit Dichtstoff versiegeln und am Pfostenprofil B 813110 / B 813100 ausrichten
3. Durch Labyrinthprofil und Pfostenprofil \varnothing 3,5 mm bohren
4. Labyrinthprofil mit Schrauben Z 917634 am Pfosten verschrauben
5. Abdeckung Z 923055 aufdrücken

Processing steps scheme MA1

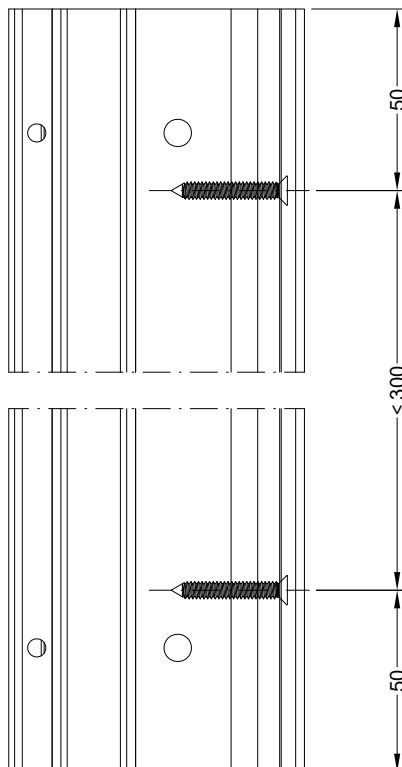
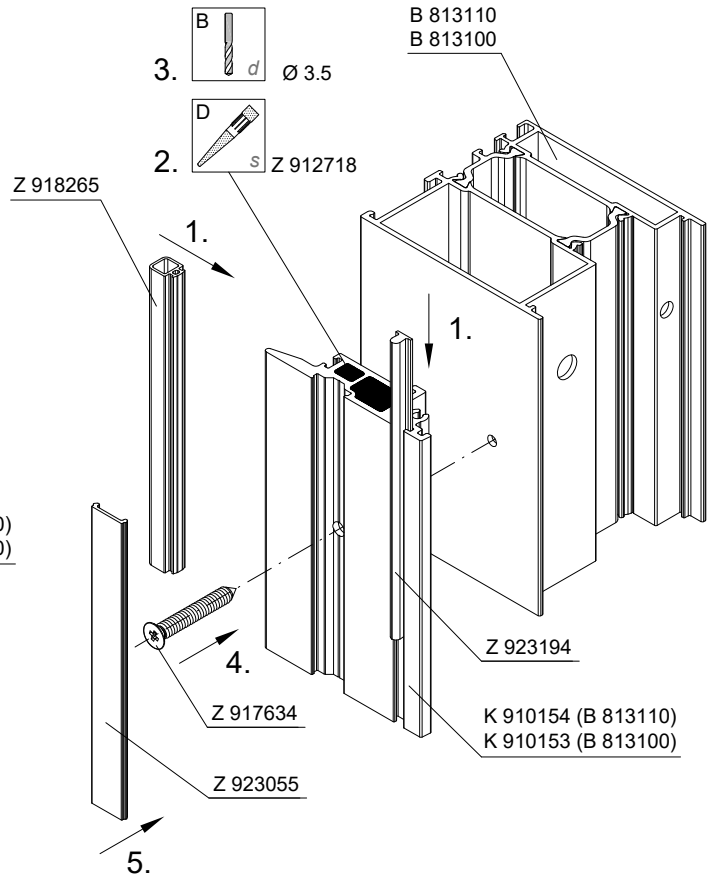
1. Insert gaskets Z 918265 and Z 923194 in labyrinth profile K 910154/ K 910153 and fix it with sealing compound at the top and bottom
2. Seal labyrinth profile on top and adjust to mullion B 813110/ B 813100
3. Drill holes through labyrinth profile and mullion with \varnothing 3.5 mm
4. Fix labyrinth profile with screws Z 917634 at the mullion
5. Snap on cover profile Z 923055



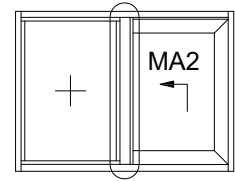
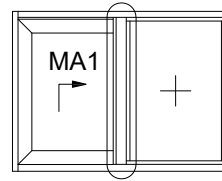
Schema MA1 dargestellt
Scheme MA1 shown



Schema MA2 spiegelbildlich
Scheme MA2 mirror-inverted

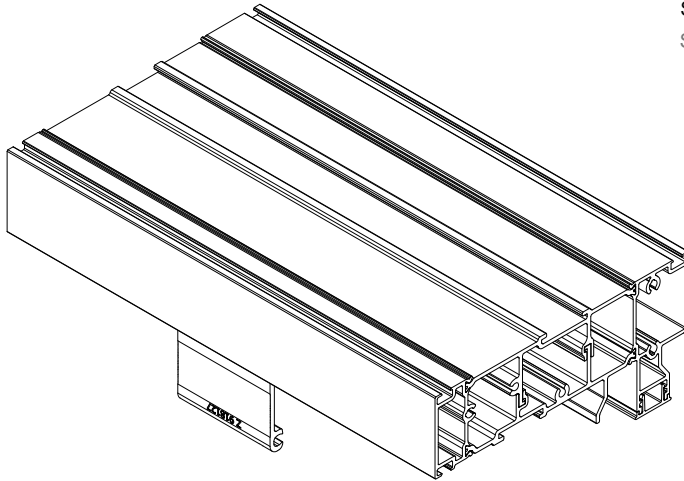


RAHMENMONTAGE
 FRAME ASSEMBLY



Schema MA1 dargestellt
 Scheme MA1 shown

Schema MA2 spiegelbildlich
 Scheme MA2 mirror-inverted

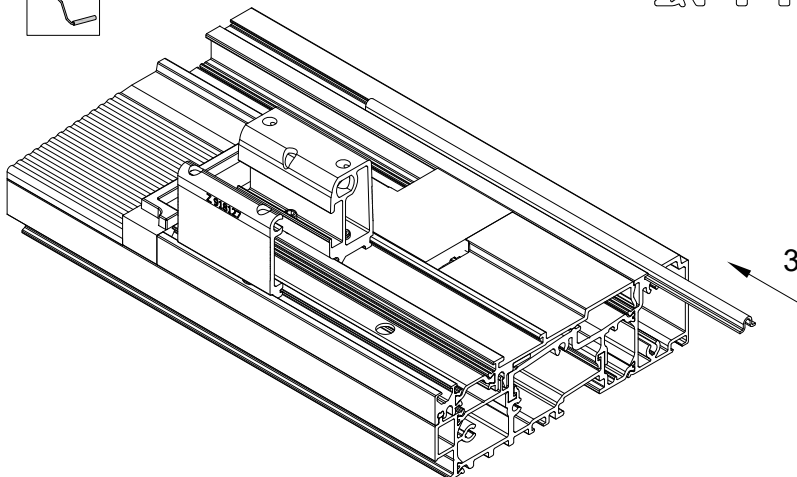
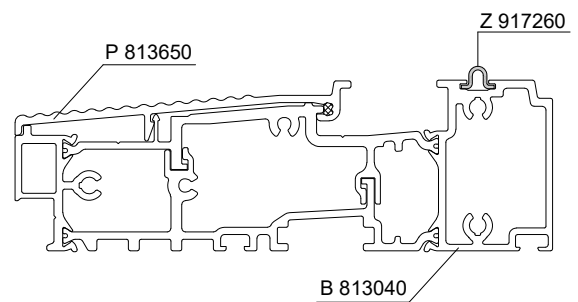
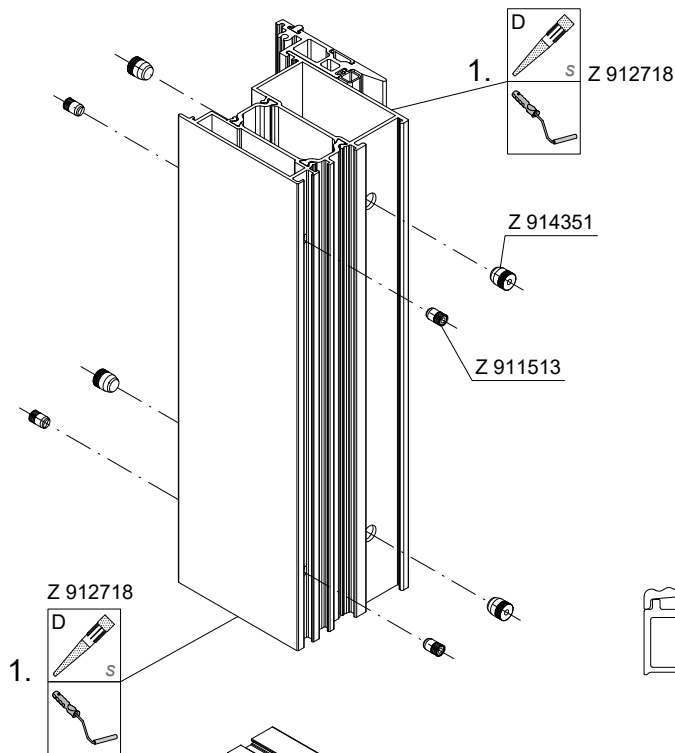


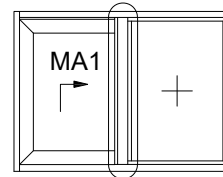
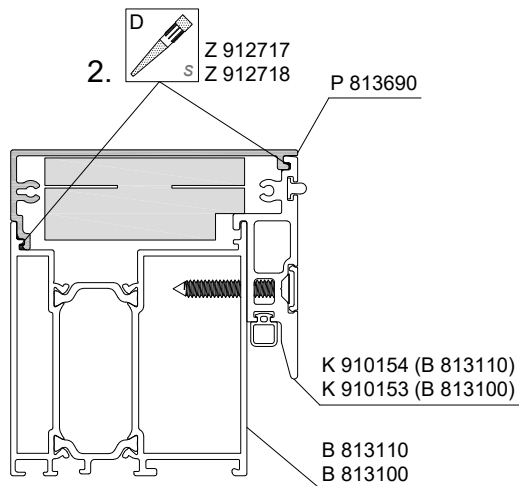
Bearbeitungsschritte Schema MA1

1. Dichtstoff auf die Schnittflächen vom Pfosten auftragen
2. Pfosten einsetzen und verstemen
3. Laufschiene Z 917260 einschieben

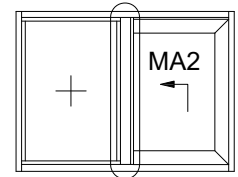
Processing steps scheme MA1

1. Apply sealing compound to the cut surface of the mullion
2. Insert mullion and fix with pins
3. Slide in the rail Z 917260

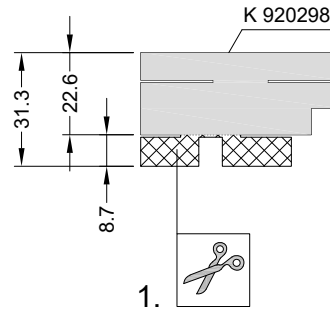




Schema MA1 dargestellt
Schema MA1 shown



Schema MA2 spiegelbildlich
Schema MA2 mirror-inverted

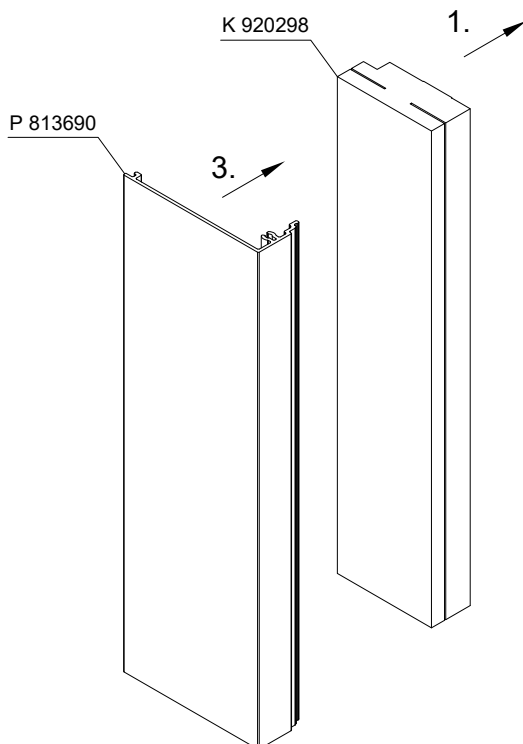
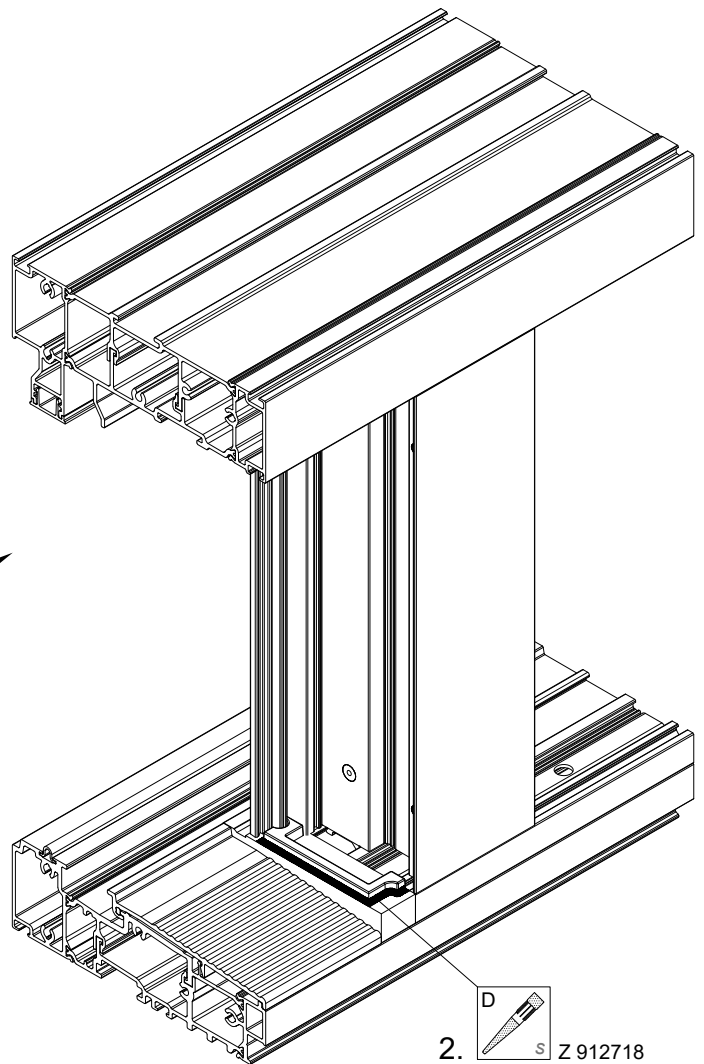


Bearbeitungsschritte Schema MA1

1. Dämmkern K 920298 auf Länge schneiden (L= Pfostenlänge - 35 mm), an vorhandener Kerbe abtrennen und im Pfosten platzieren
2. Dichtstoff auftragen
3. Abdeckprofil P 813690 aufklipsen

Processing steps scheme MA1

1. Cut the insulating core K 920298 (L= mullion length - 35 mm), cut at the notch and place it to the mullion
2. Apply sealing compound
3. clip on cover profil P 813690



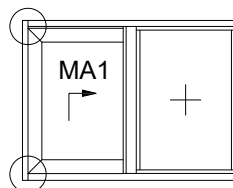
RAHMENMONTAGE
 FRAME ASSEMBLY

Bearbeitungsschritte Schema MA1

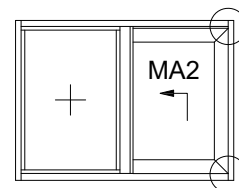
1. Isolier- Einschiebling in Blendrahmen B 813080 einschieben (optional)
2. Teilstück vom Dichtpad Z918989/-990 abtrennen
3. Dichtstoff auf gesamte Flächen der Dichtformteile und Blendrahmen aufbringen und Dichtformteile einlegen
4. Profile rechtwinklig ausrichten
5. Profile mit Schrauben Z 923094 verschrauben

Processing steps scheme MA1

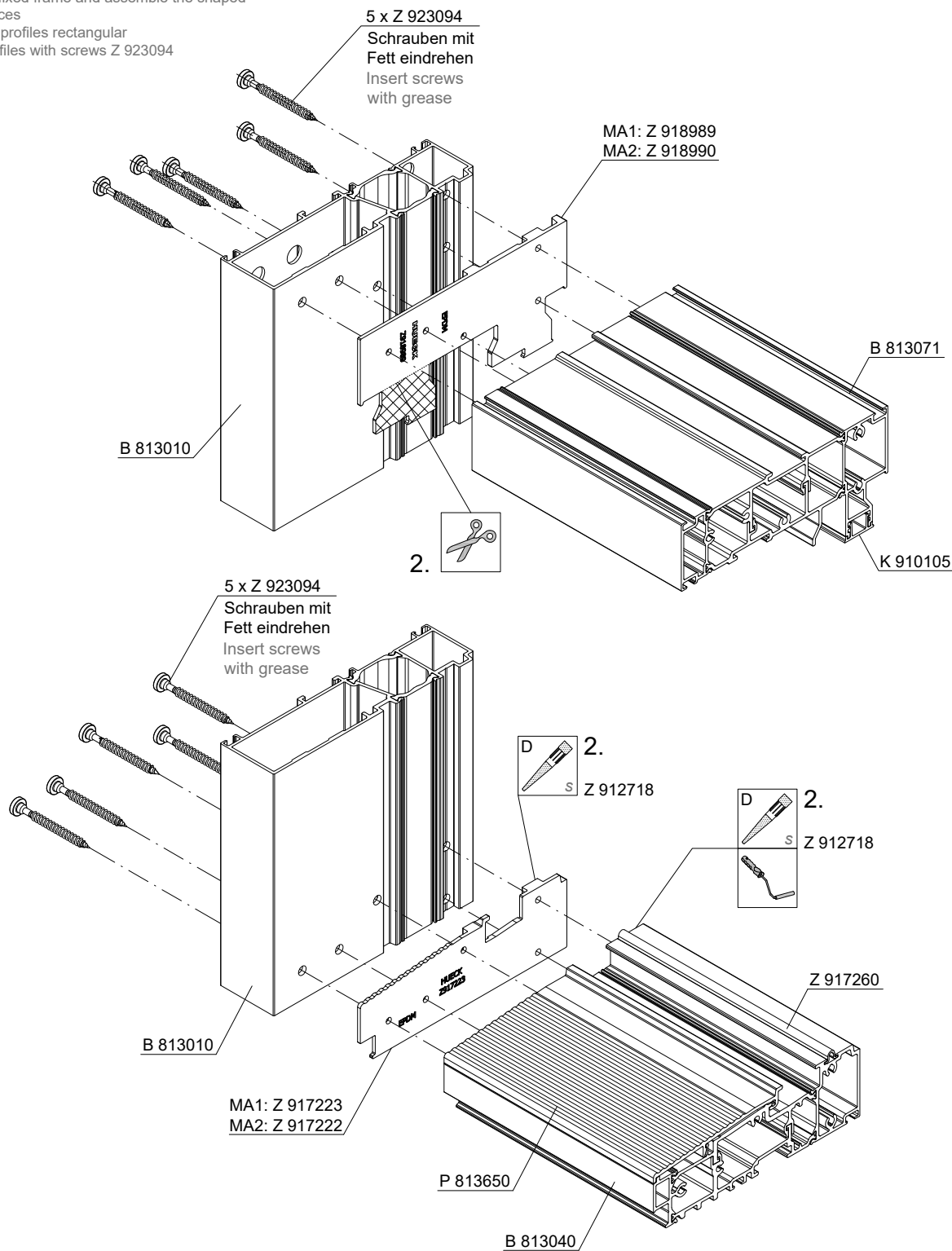
1. Insert insulating connecting sleeve into fixed frame B 813080 (optionally)
2. Cut part of the shaped gasket piece Z 918989/-990
3. Apply sealing compound to the shaped gasket piece and fixed frame and assemble the shaped gasket pieces
4. Adjust the profiles rectangular
5. Fix the profiles with screws Z 923094



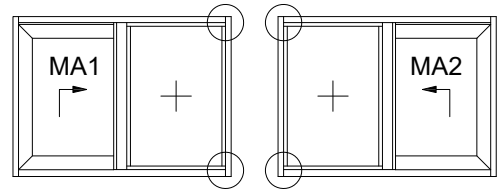
Schema MA1 dargestellt
 Schema MA1 shown



Schema MA2 spiegelbildlich
 Schema MA2 mirror-inverted

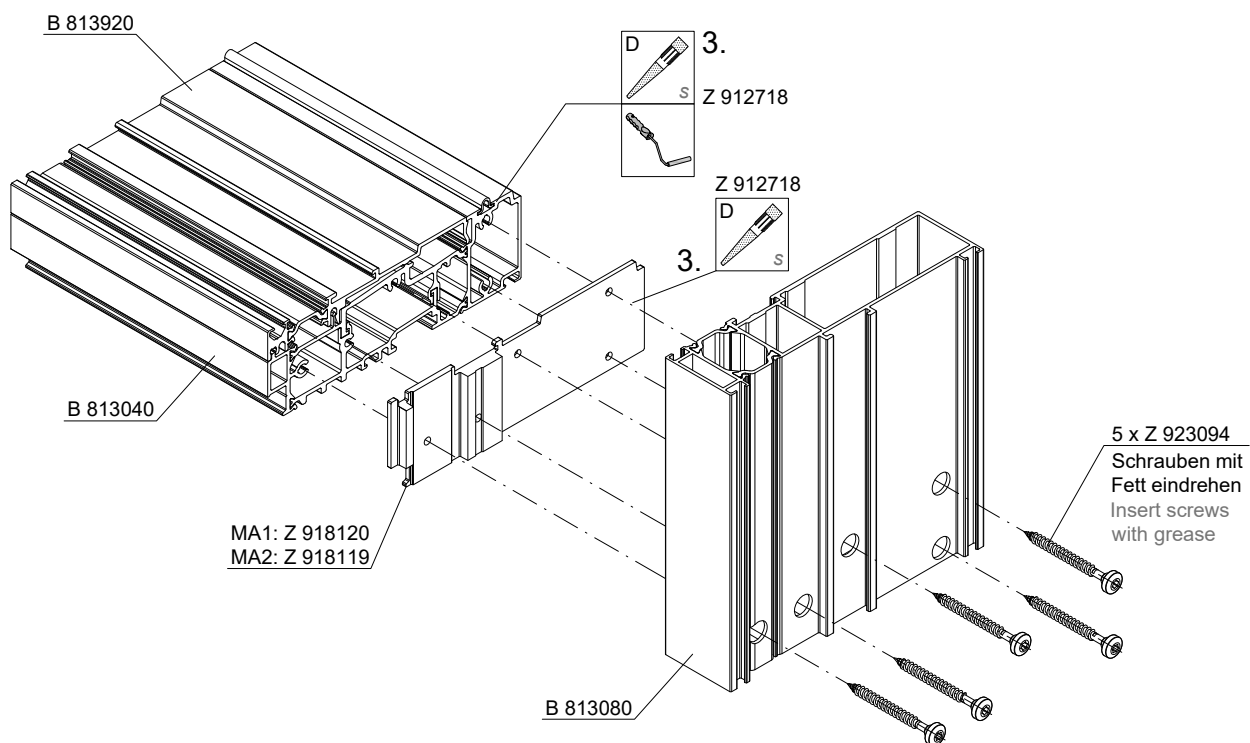
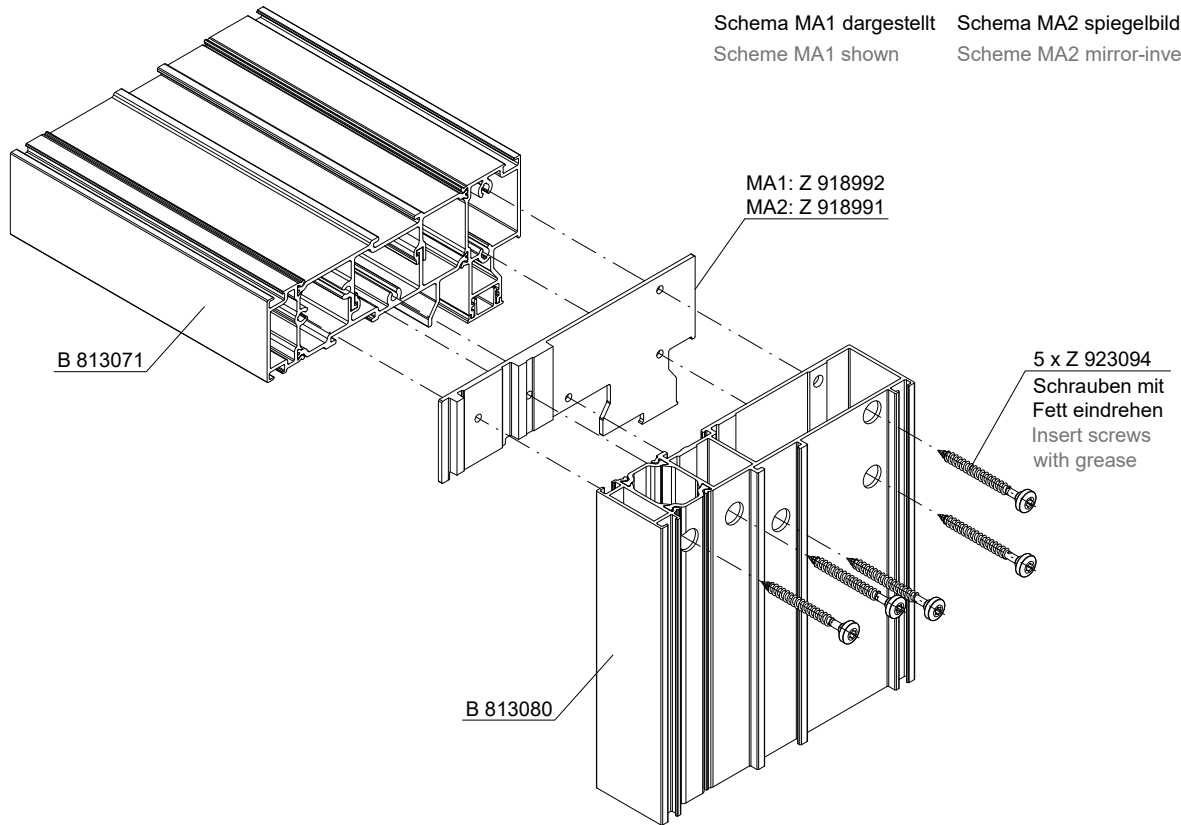


RAHMENMONTAGE
 FRAME ASSEMBLY

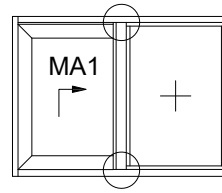


Schema MA1 dargestellt
 Schema MA1 shown

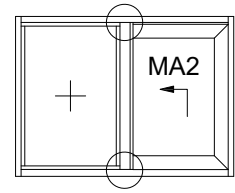
Schema MA2 spiegelbildlich
 Schema MA2 mirror-inverted



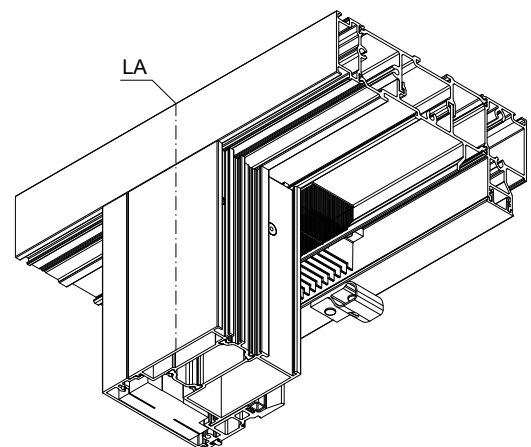
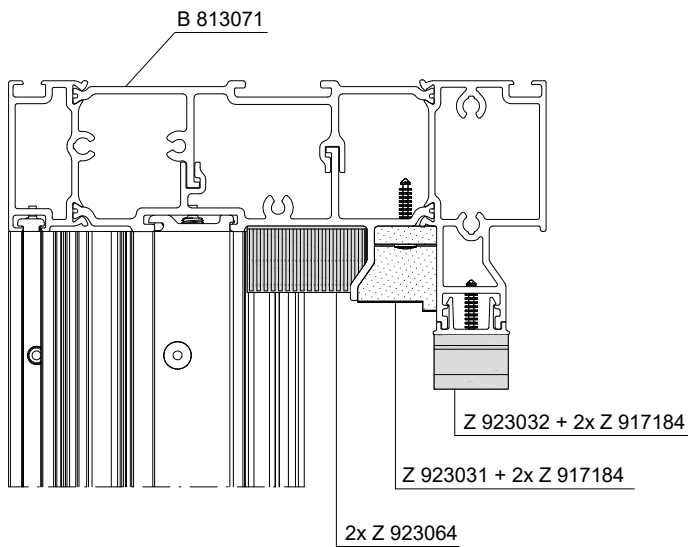
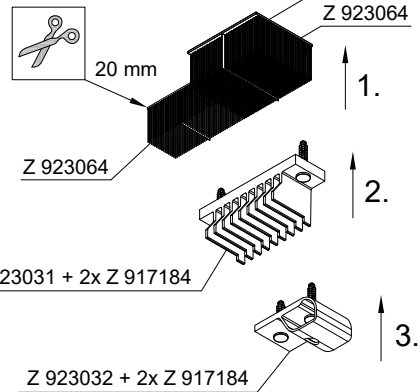
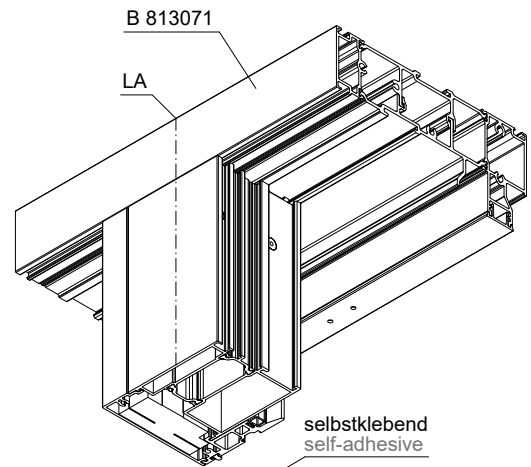
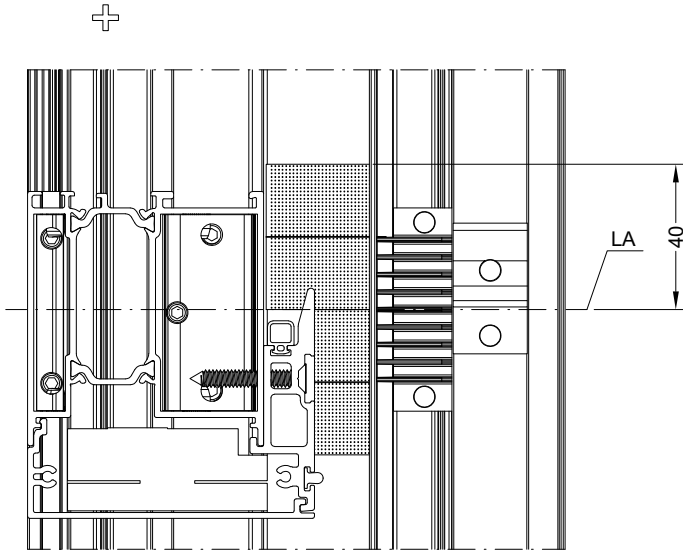
MONTAGE • DICHTFORMTEIL
 ASSEMBLY • SHAPED GASKET PIECE



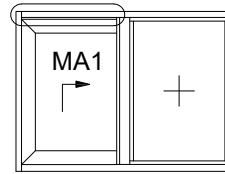
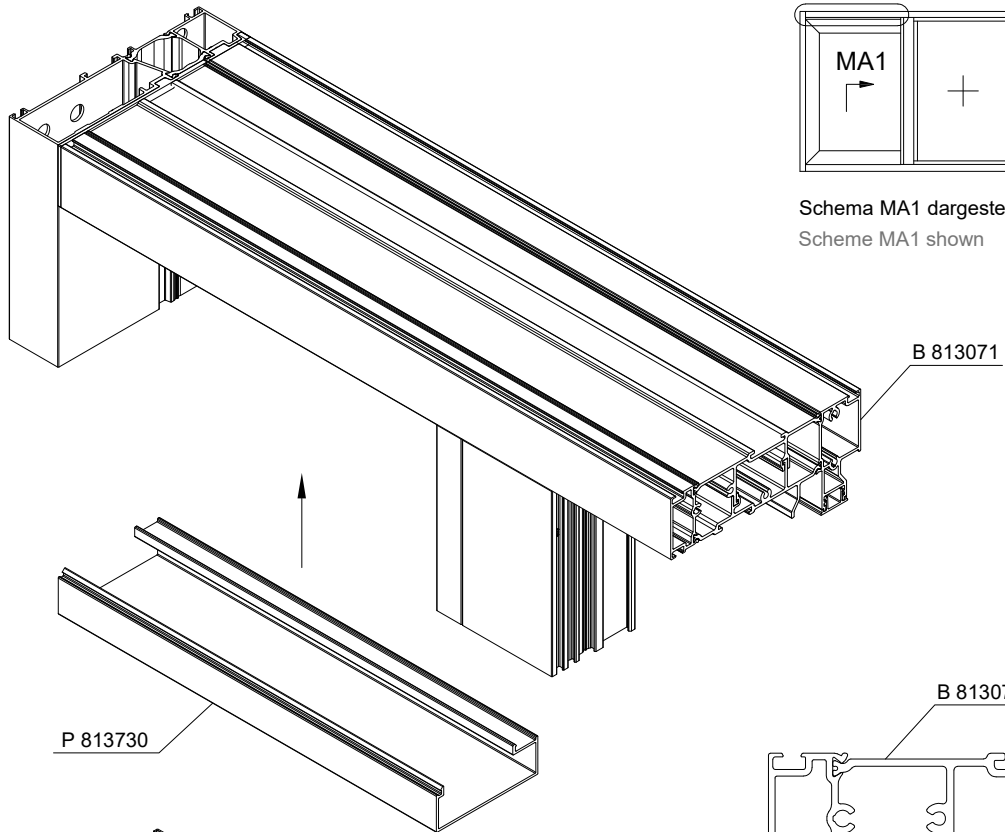
Schema MA1 dargestellt
 Scheme MA1 shown



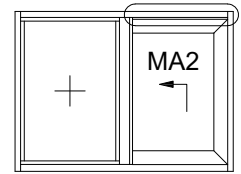
Schema MA2 spiegelbildlich
 Scheme MA2 mirror-inverted



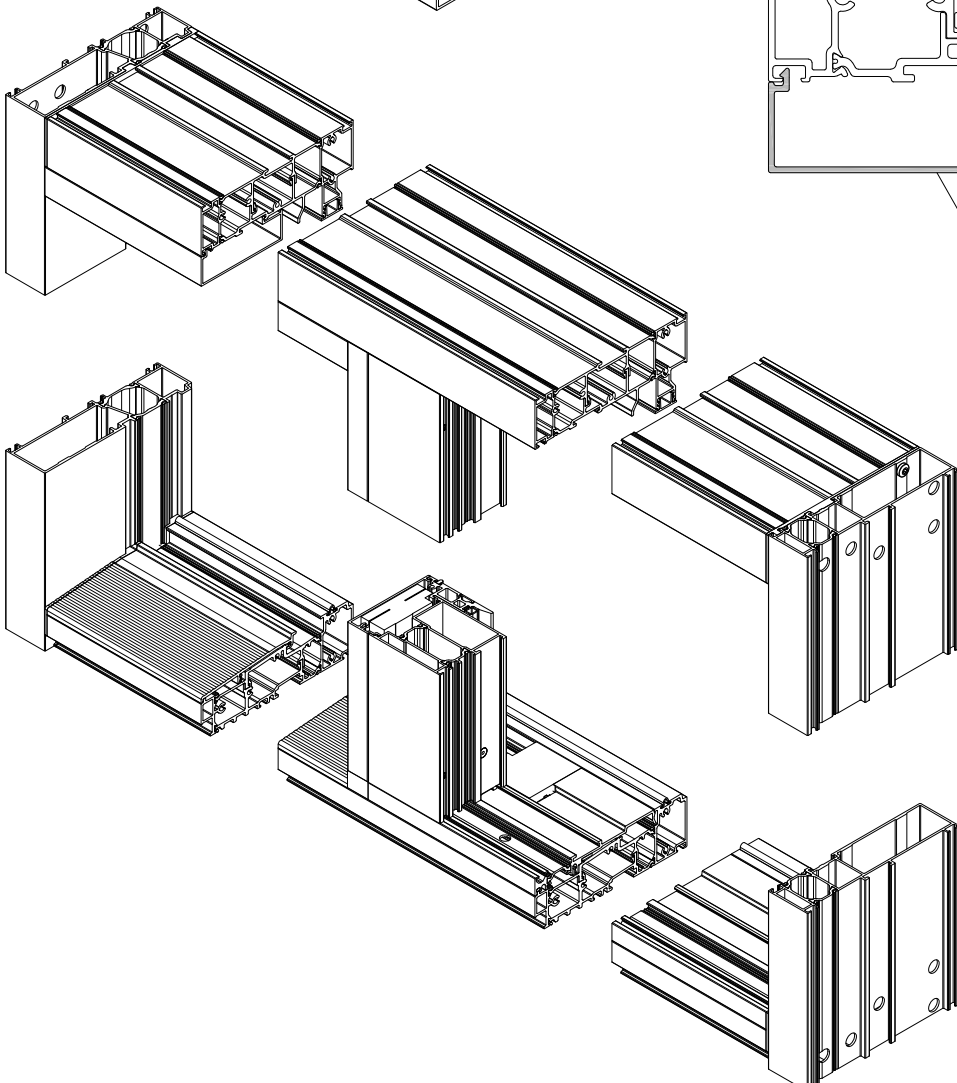
RAHMENMONTAGE
 FRAME ASSEMBLY



Schema MA1 dargestellt
 Schema MA1 shown

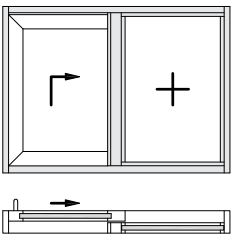
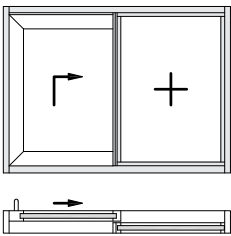



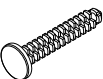

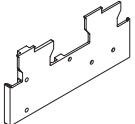

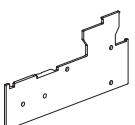

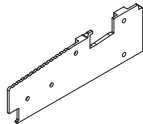
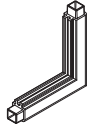

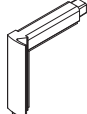
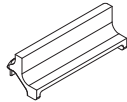
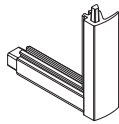
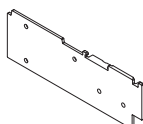
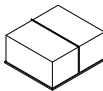
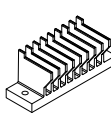
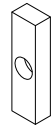

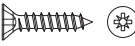
Schema MA2 spiegelbildlich
 Schema MA2 mirror-inverted



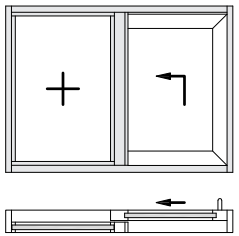
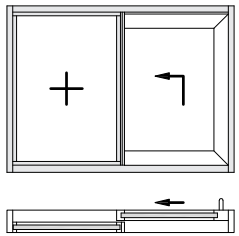
ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME

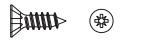
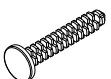

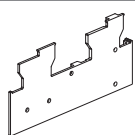

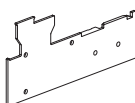

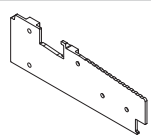
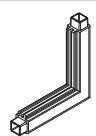

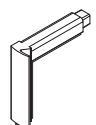
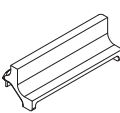
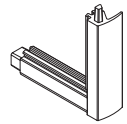
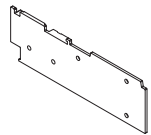
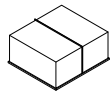
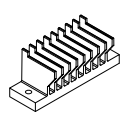

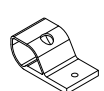
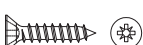
BLENDRAHMEN
FIXED FRAME

Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
MA1			<p>Monorail mit 2 Feldern Schiebeflügel links, Festfeld rechts Primärer Flügel nach links öffnend</p> <p>Monorail with 2 fields Sliding sash left, fixed field right Primary sash sliding to the left</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity			
Z 997655	 Z 900920	2	 Z 917184	4			
	 Z 923094	20					
	 Z 918989	1	 Z 923030	2			
	 Z 918992	1	 Z 917634	25			
	 Z 917223	1	 Z 918345	2			
	 Z 917253	1	 Z 918493	1			
	 Z 923018	2	 Z 918494	1			
	 Z 918120	1	 Z 923064	2			
	 Z 923031	1	 Z 917241	2			
	 Z 923032	1	 Z 900656	15			

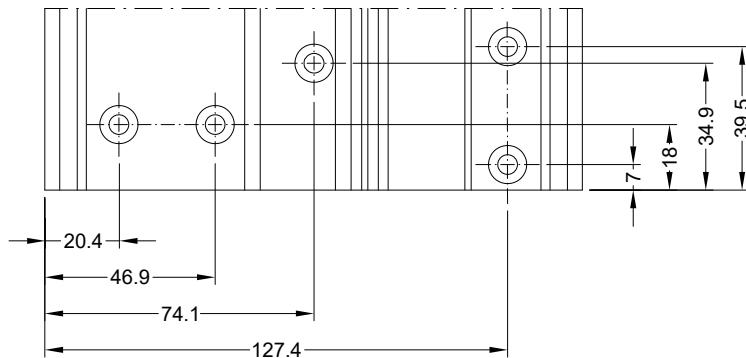
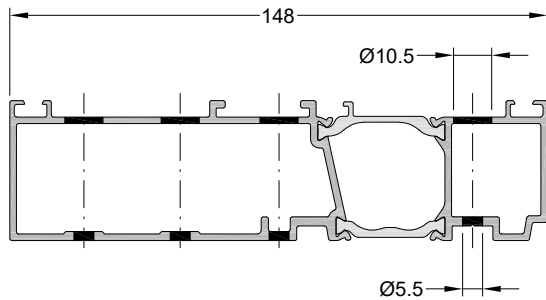
ZUBEHÖRSÄTZE • BLENDRAHMEN
 ACCESSORY SETS • FIXED FRAME

BLENDRAHMEN FIXED FRAME			
Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
MA2			<p>Monorail mit 2 Feldern Schiebeflügel rechts, Festfeld links Primärer Flügel nach rechts öffnend</p> <p>Monorail with 2 fields Sliding sash right, fixed field left Primary sash sliding to the right</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity				
Z 997656	 Z 900920	2		Z 917184	4			
	 Z 923094	20						
	 Z 918990	1		Z 923030	2			
	 Z 918991	1		Z 917634	25			
	 Z 917222	1		Z 918345	2			
	 Z 917253	1		Z 918493	1			
	 Z 923018	2		Z 918494	1			
	 Z 918119	1		Z 923064	2			
	 Z 923031	1		Z 917241	2			
	 Z 923032	1		Z 900656	15			

ECKVERBINDUNGEN
CORNER CONNECTIONS

B 813010



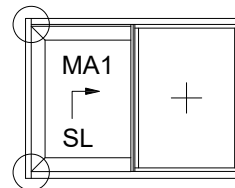
Ø 5.5 / Ø 10.5
Z 917401



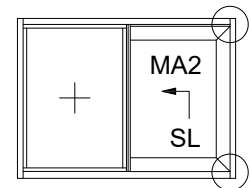
Ø 5.5 / Ø 10.5
Z 914820



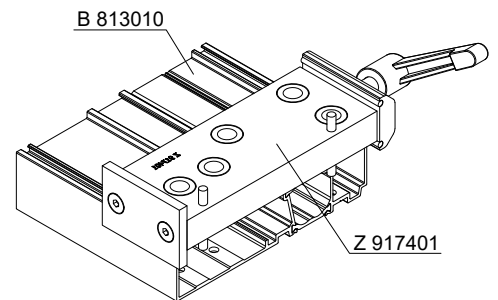
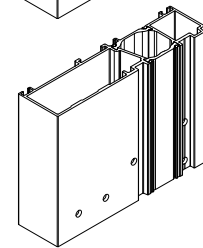
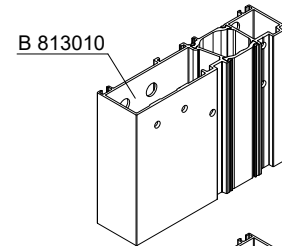
Z 996519



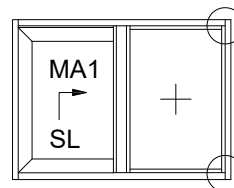
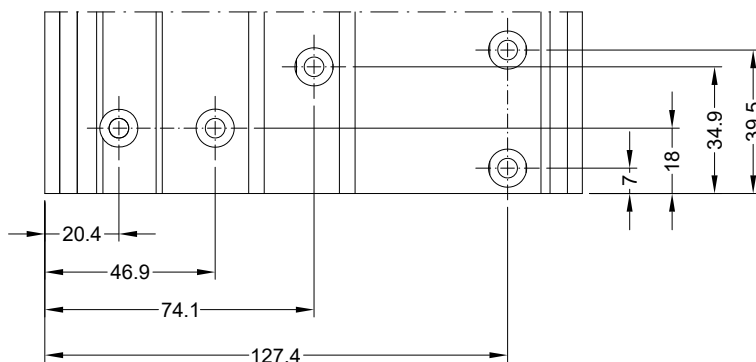
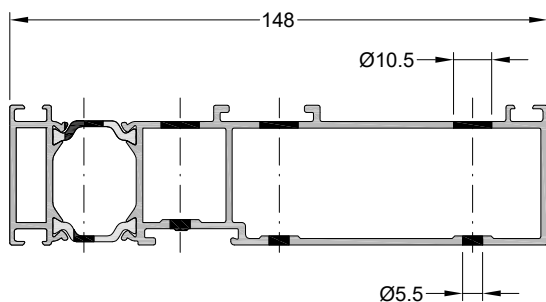
Schema MA1 SL dargestellt
Scheme MA1 SL shown



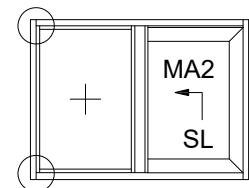
Schema MA2 SL spiegelbildlich
Scheme MA2 SL mirror-inverted



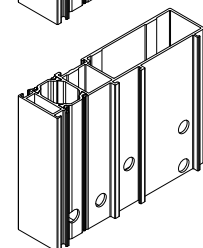
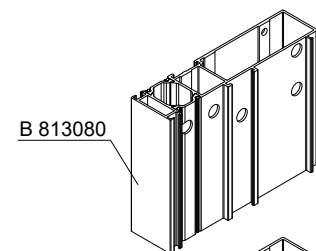
B 813080



Schema MA1 SL dargestellt
Scheme MA1 SL shown

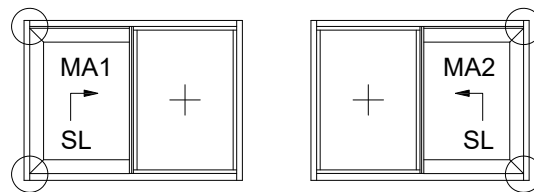
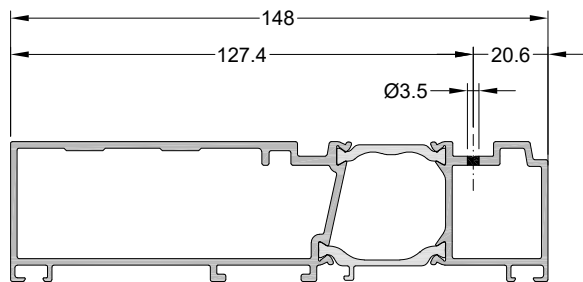


Schema MA2 SL spiegelbildlich
Scheme MA2 SL mirror-inverted



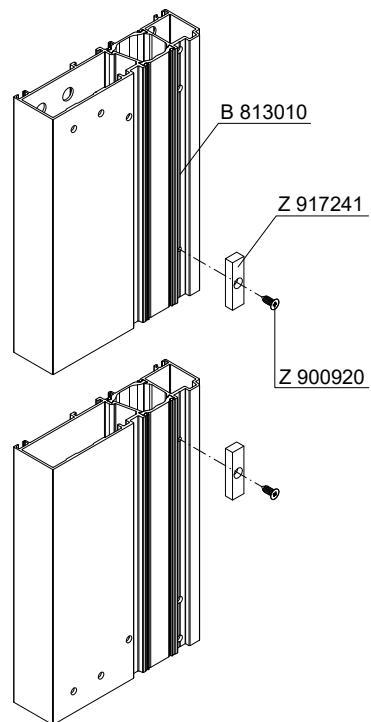
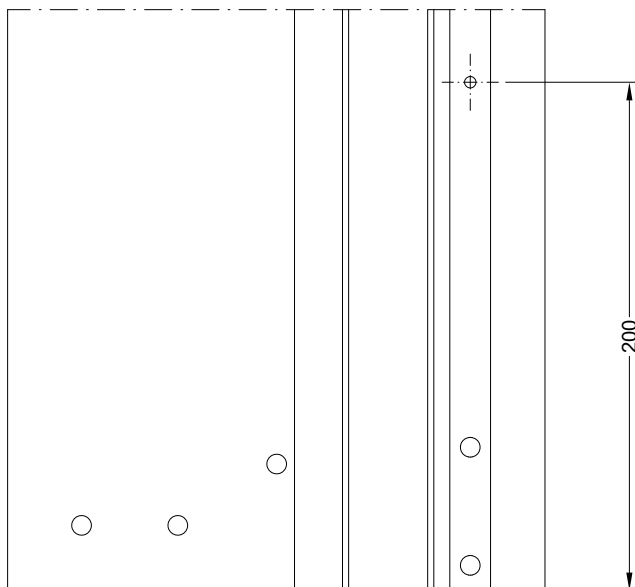
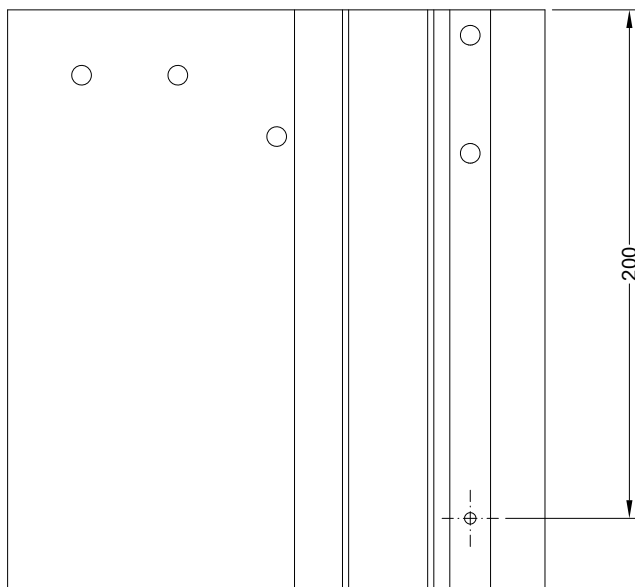
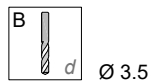
ANSCHLAGPUFFER
 STOP BUFFER

B 813010



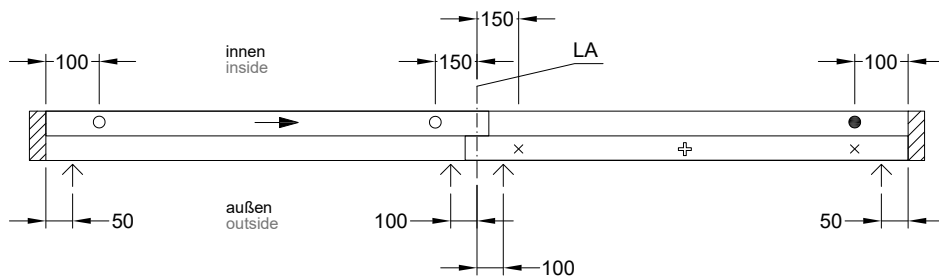
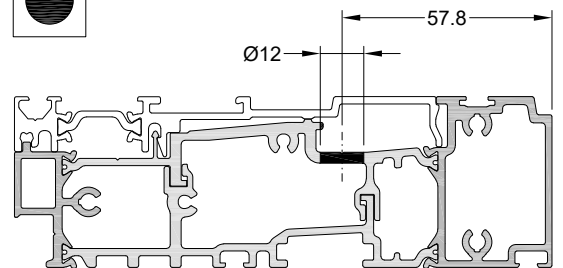
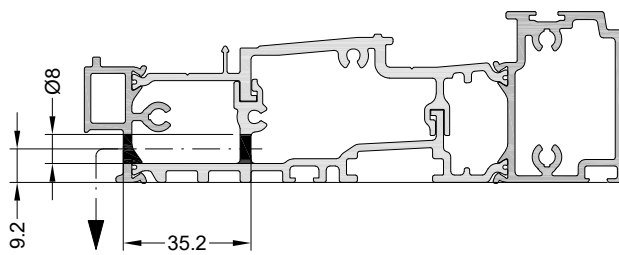
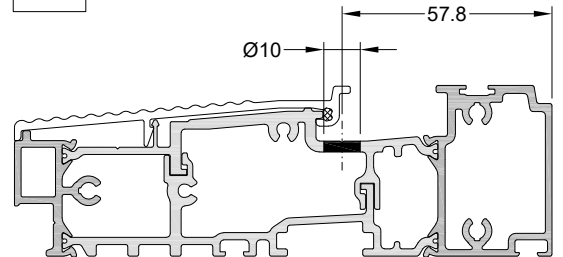
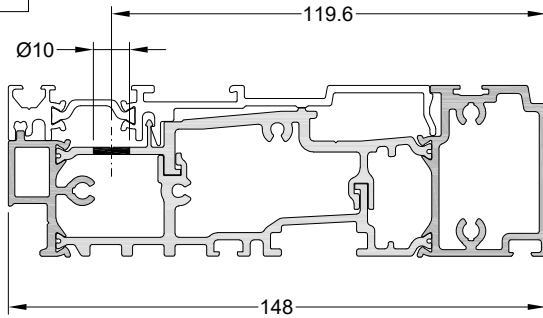
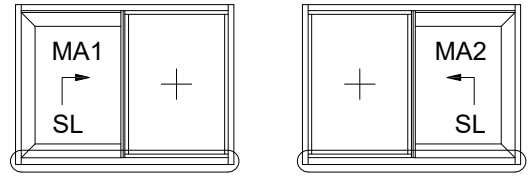
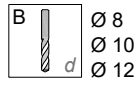
Schema MA1 SL dargestellt
 Scheme MA1 SL shown

Schema MA2 SL spiegelbildlich
 Scheme MA2 SL mirror-inverted

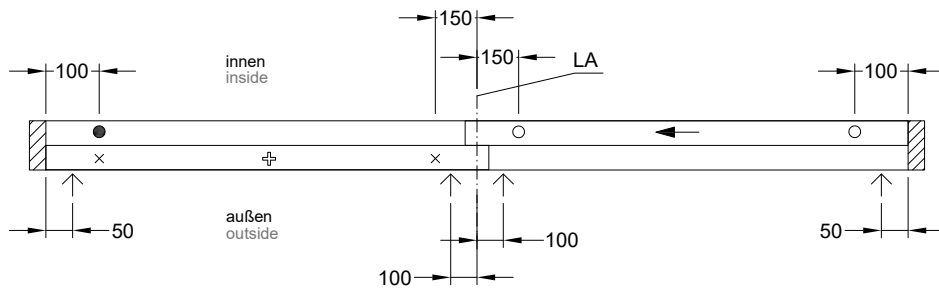


ENTWÄSSERUNG
DRAINAGE

B 813040



MA1 SL

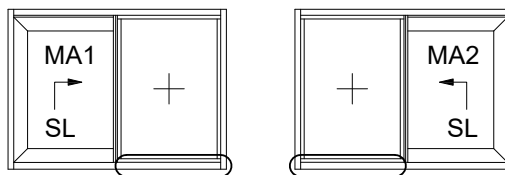
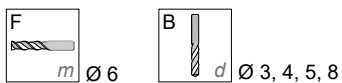


MA2 SL

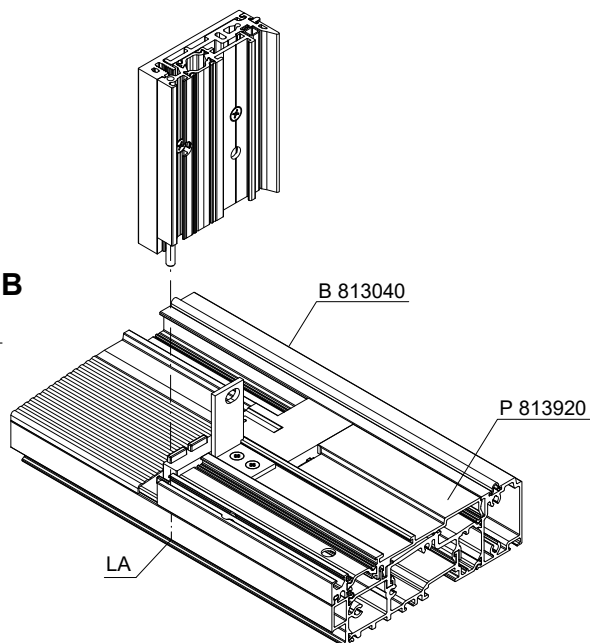
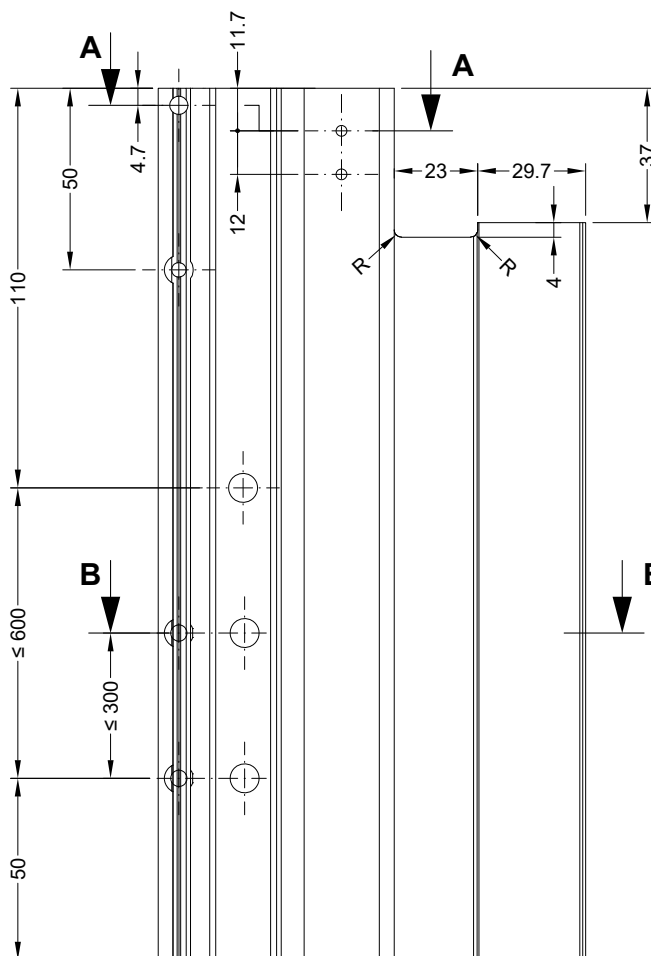
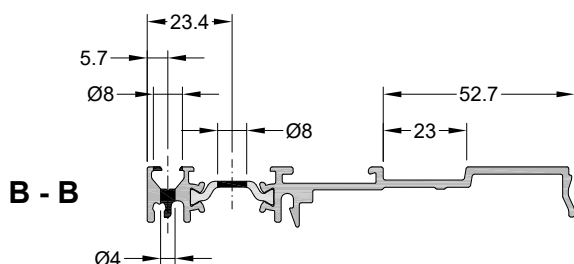
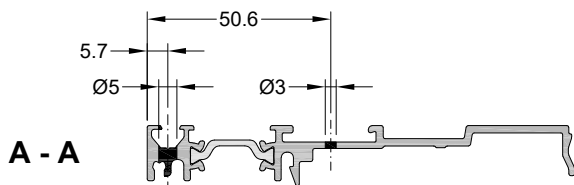
- × Bohrung Ø10
- Bohrung Ø10
- ↑ Bohrung Ø8
- Bohrung Ø12 für Kugelventil

- × drill hole Ø10
- drill hole Ø10
- ↑ drill hole Ø8
- drill hole Ø12 for ball valve

B 813920



Schema MA1 SL dargestellt Schema MA2 SL spiegelbildlich
 Scheme MA1 SL shown Scheme MA2 SL mirror-inverted



BELÜFTUNG
 VENTILATION

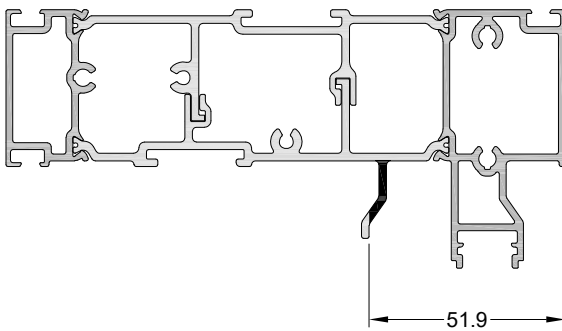
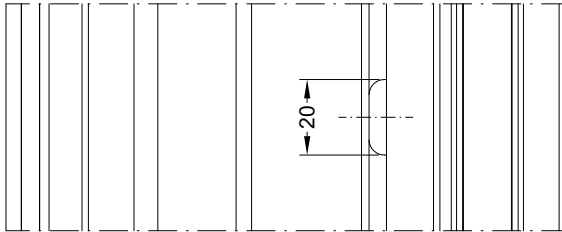
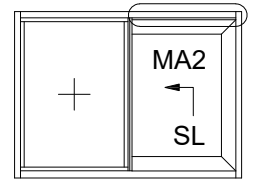
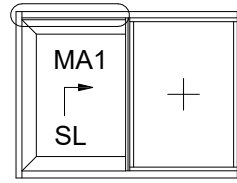
B 813071



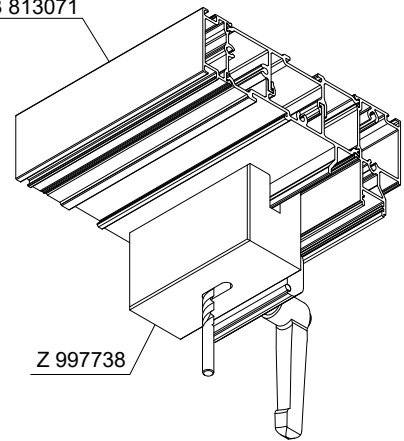
Z 997738



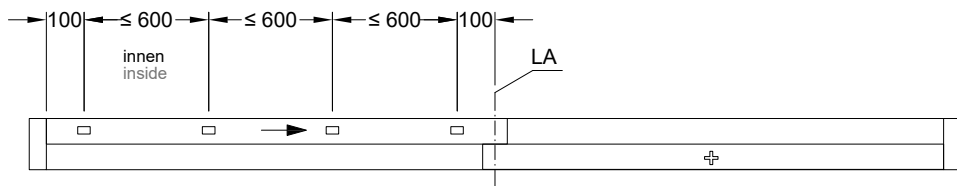
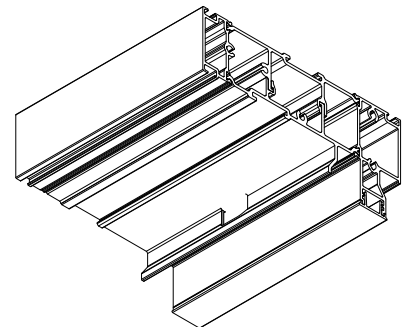
Ø 6



B 813071

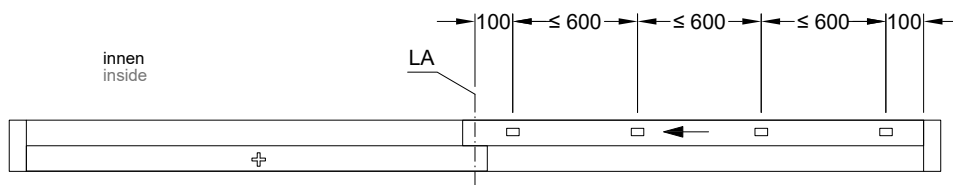


Z 997738



MA1 SL

außen
 outside



MA2 SL

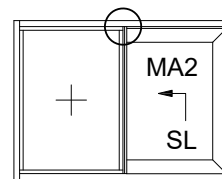
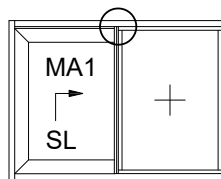
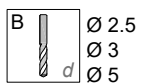
außen
 outside

□ Fräsung Ø6

□ milling Ø6

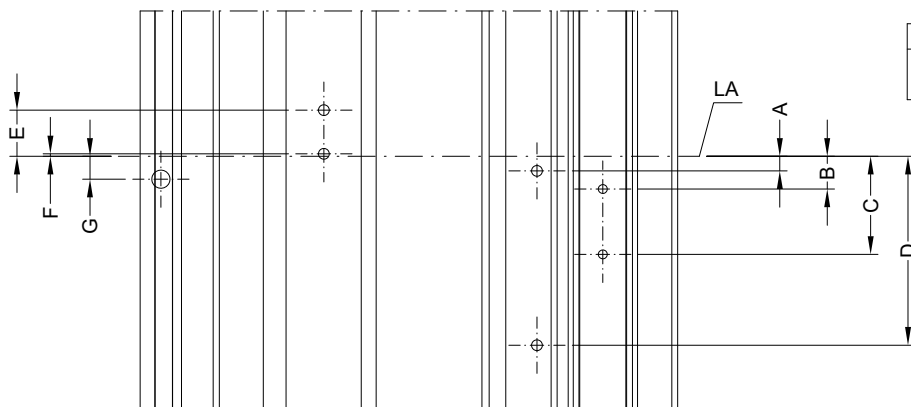
DICHTFORMTEIL
 SHAPED GASKET PIECE

B 813071 + K 910105



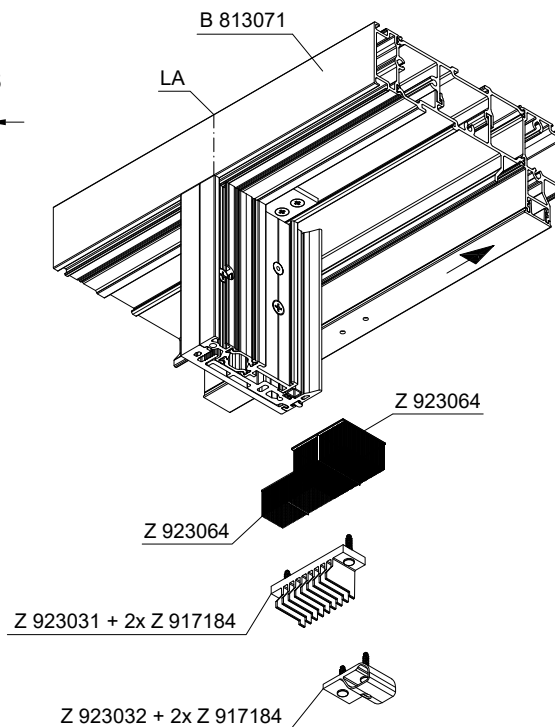
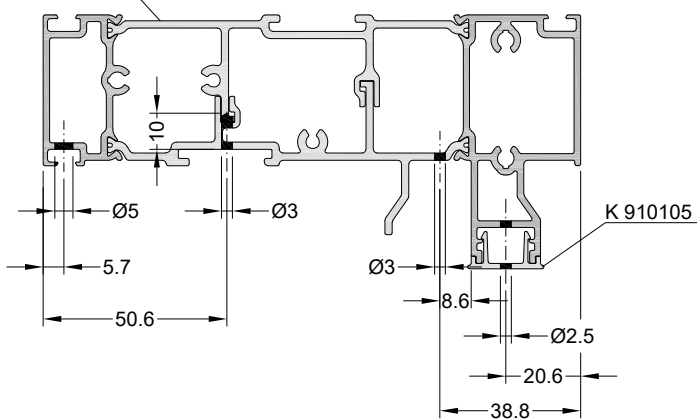
Schema MA1 SL dargestellt
 Scheme MA1 SL shown

Schema MA2 SL spiegelbildlich
 Scheme MA2 SL mirror-inverted

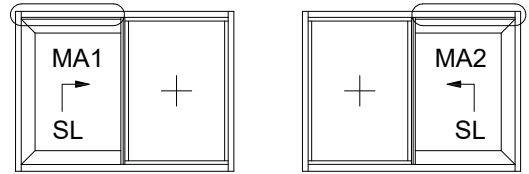


A	B	C	D	E	F	G
4	9	27	52	12.7	0.7	6.3

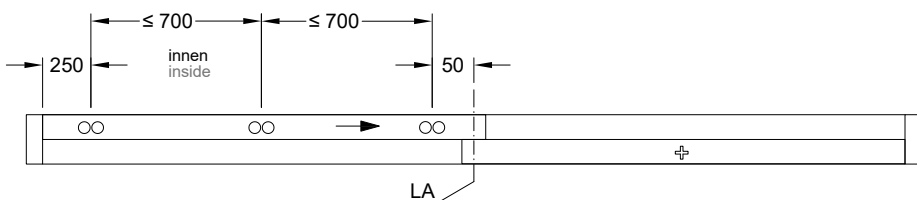
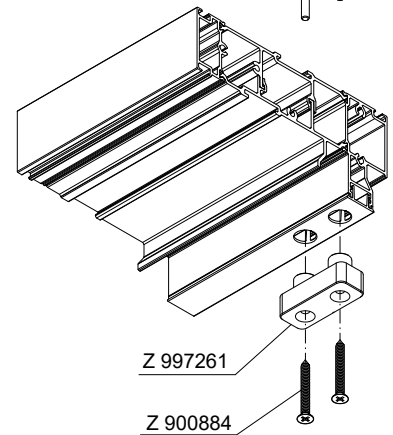
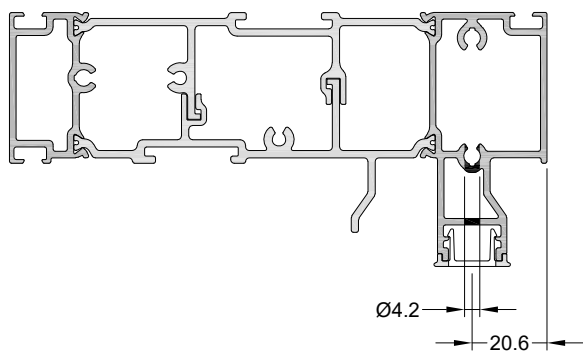
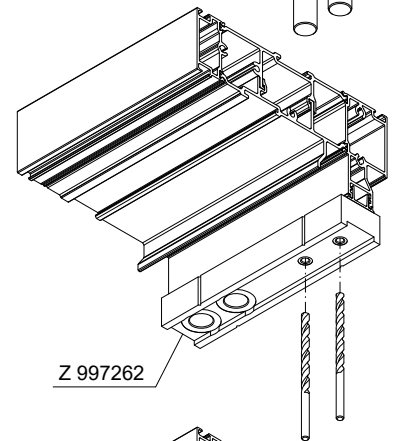
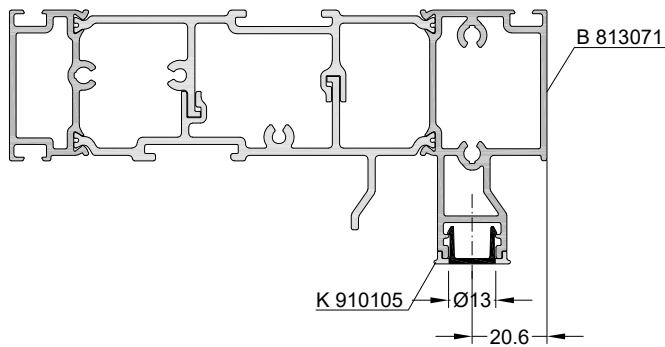
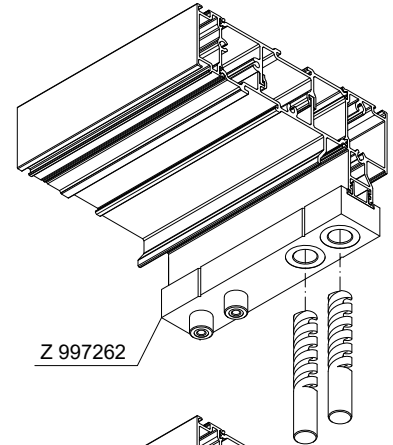
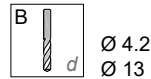
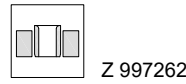
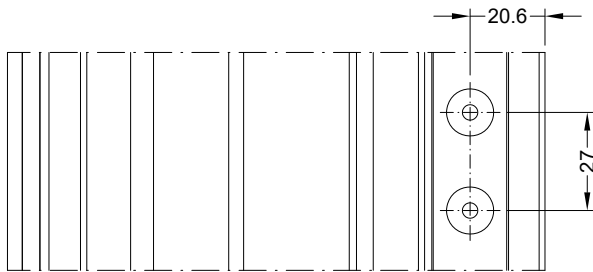
B 813071



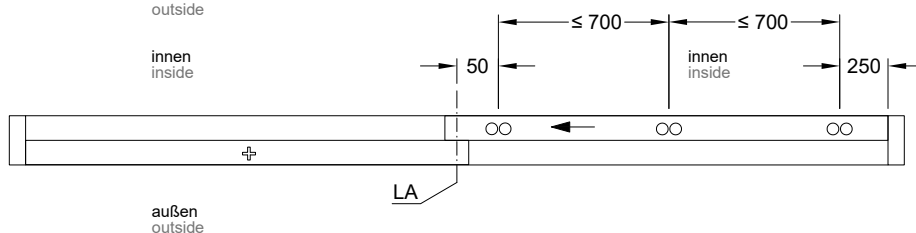
Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



B 813071 + K910105



MA1 SL

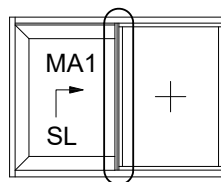


MA2 SL

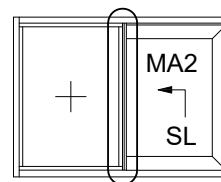
∅ ∅ Bohrung Ø 13 / Ø 4.3

∅ ∅ drill hole Ø 13 / Ø 4.3

P 813760



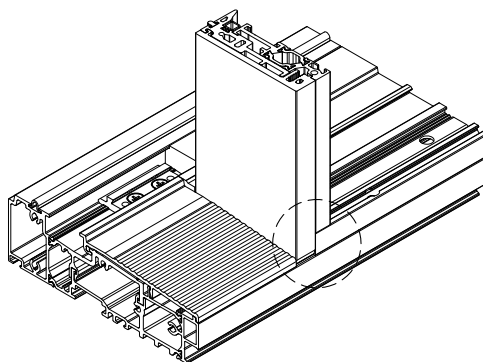
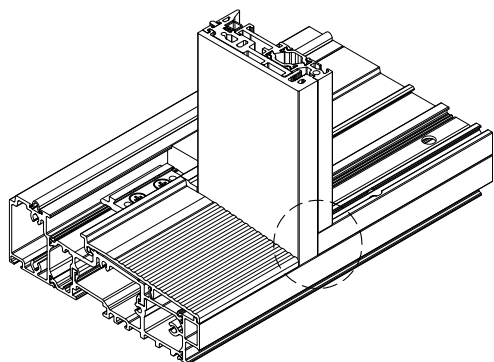
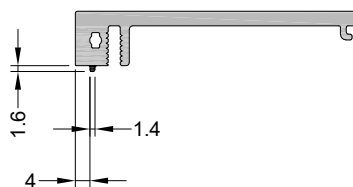
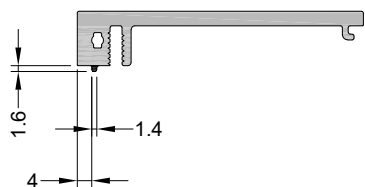
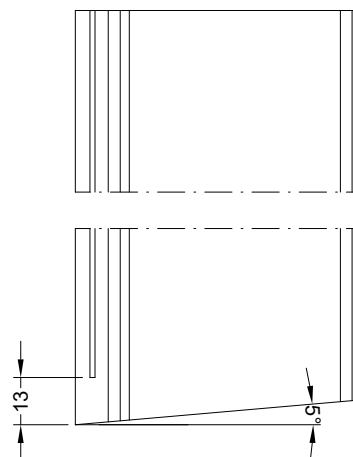
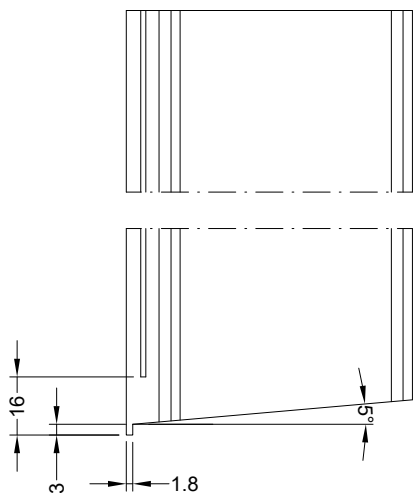
Schema MA1 dargestellt
 Scheme MA1 SL shown



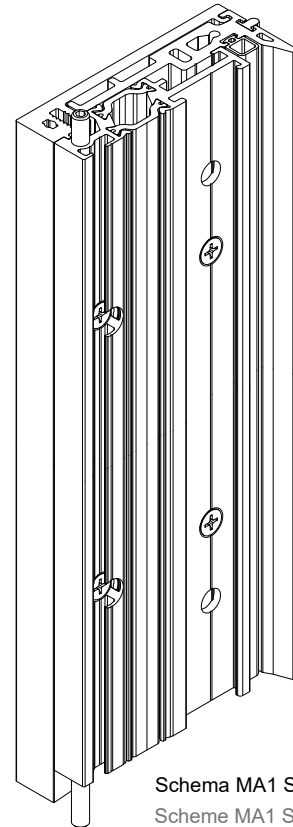
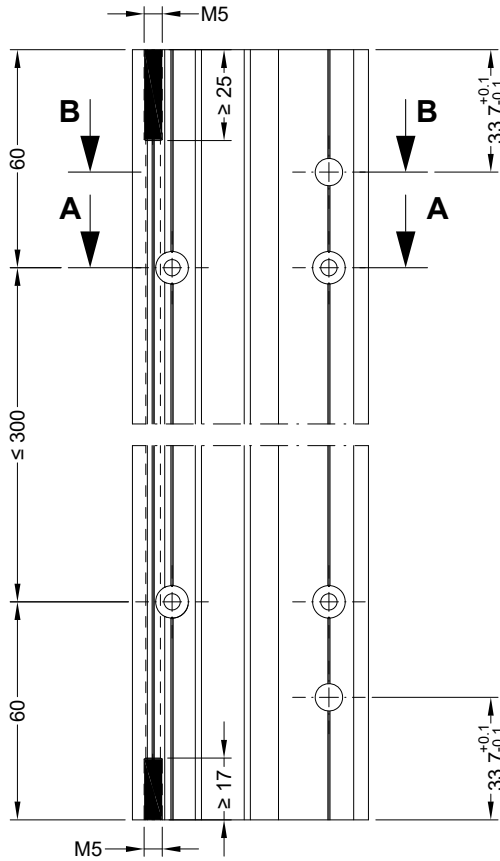
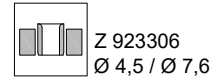
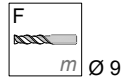
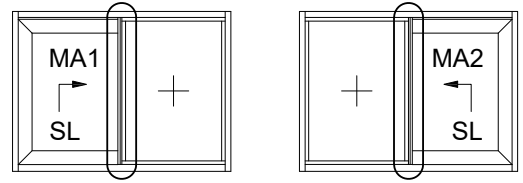
Schema MA2 SL spiegelbildlich
 Scheme MA2 SL mirror-inverted

Variante 1 **Optional**
 Variant 1 **Optionally**

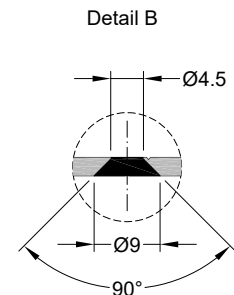
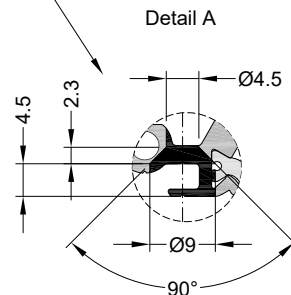
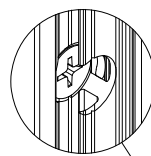
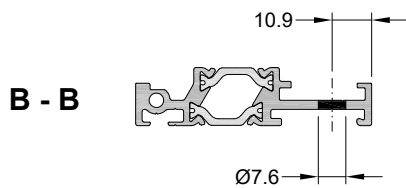
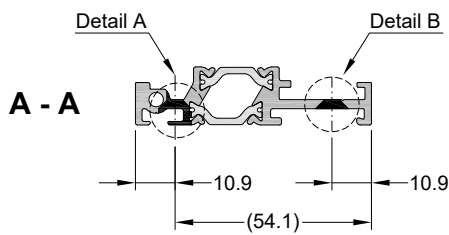
Variante 2 **Empfohlen**
 Variant 2 **Recommended**



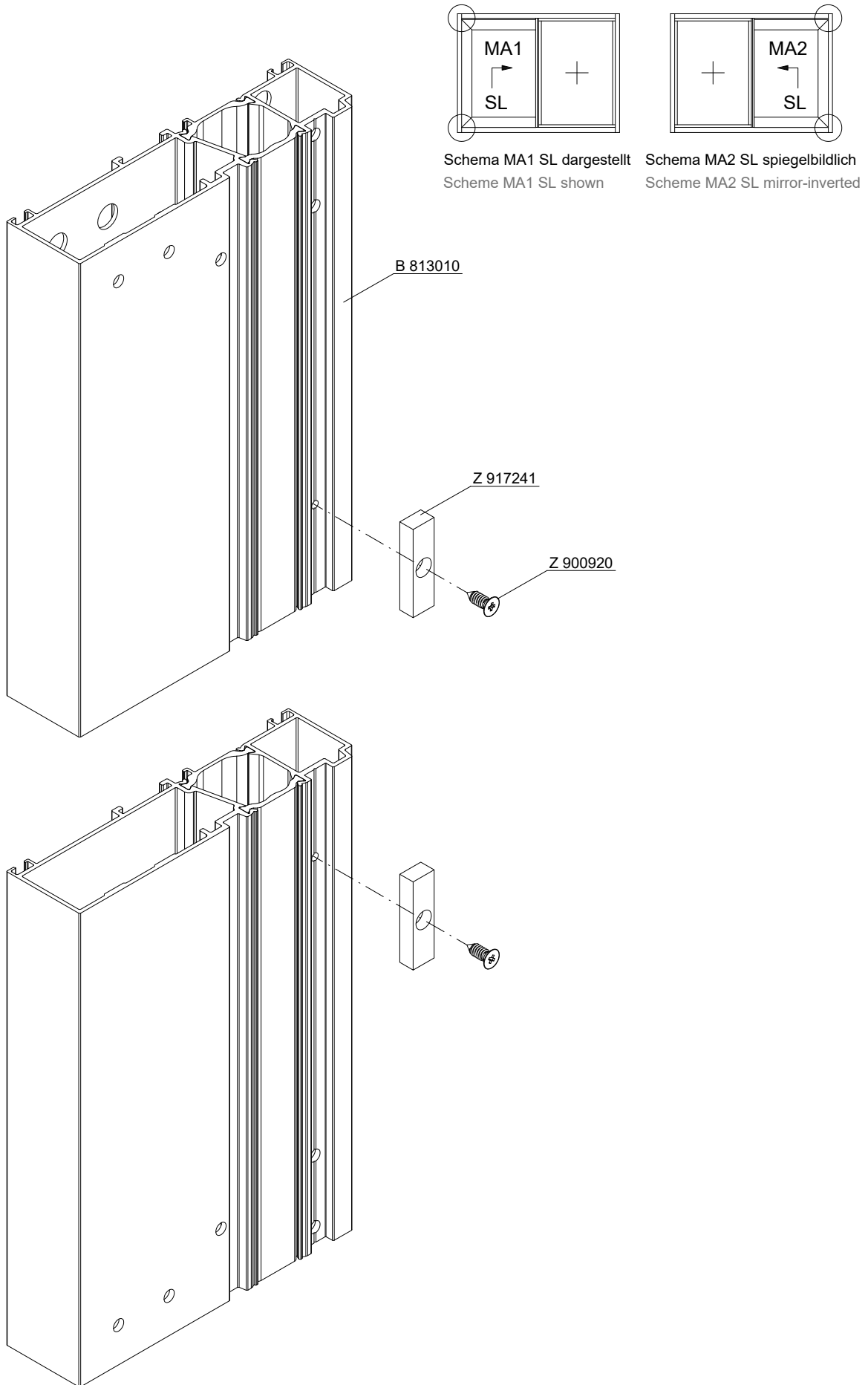
B 813770



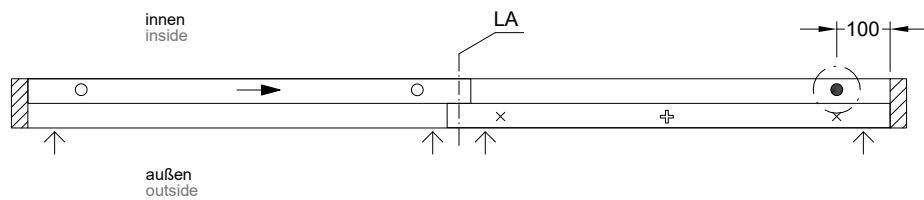
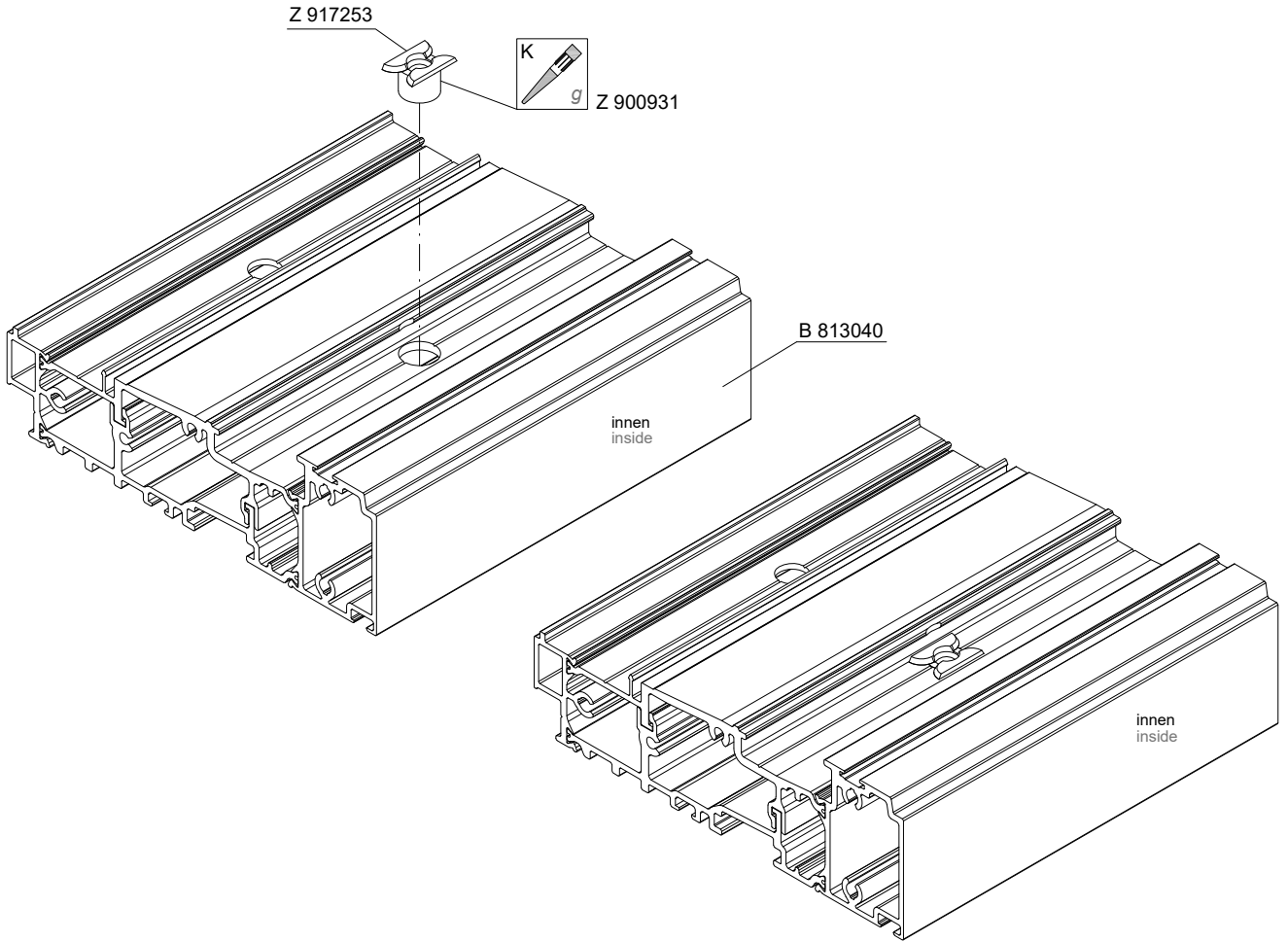
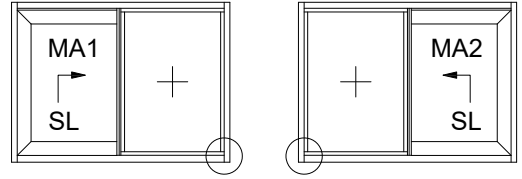
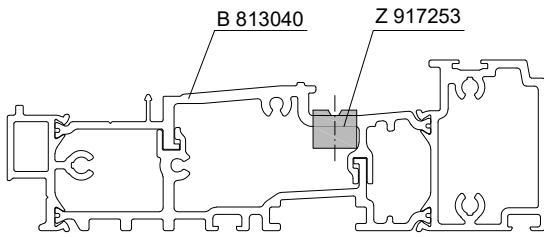
Schema MA1 SL dargestellt
 Scheme MA1 SL shown



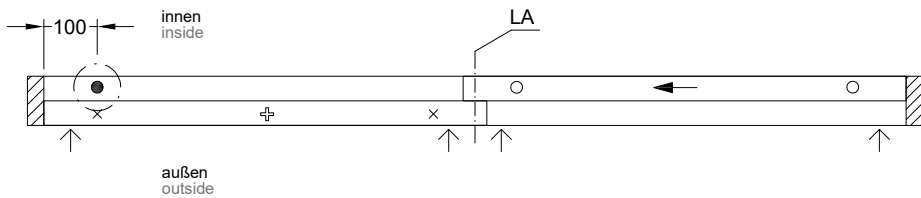
MONTAGE • ANSCHLAGPUFFER
ASSEMBLY • STOP BUFFER



MONTAGE • BELÜFTUNG / ENTWÄSSERUNG
 ASSEMBLY • VENTILATION / DRAINAGE

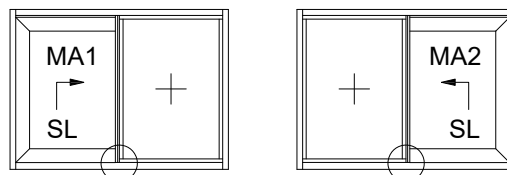
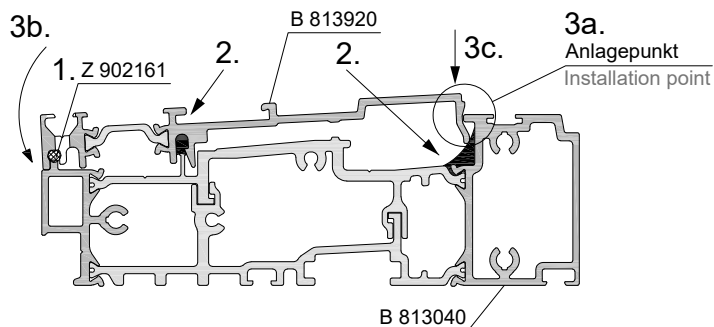


MA1 SL



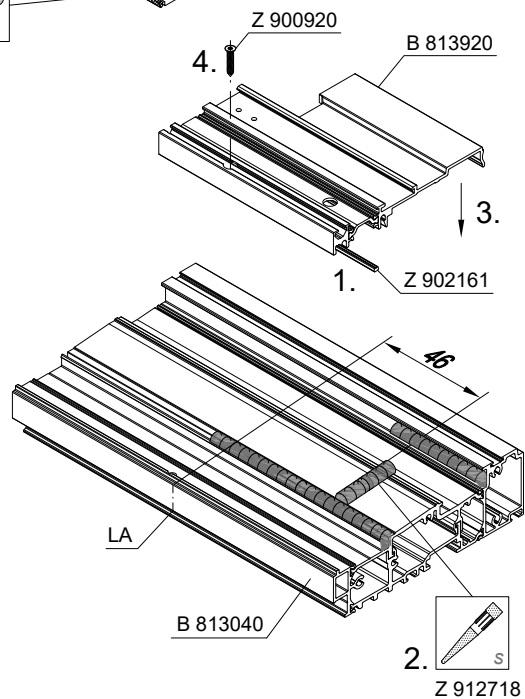
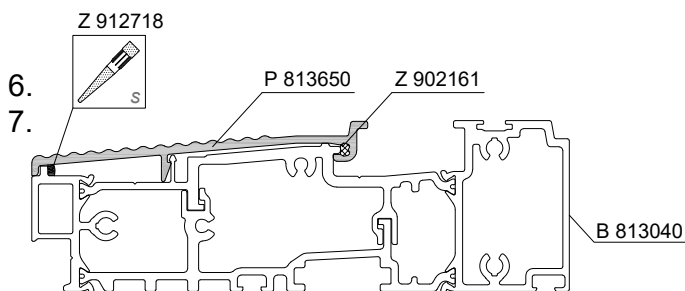
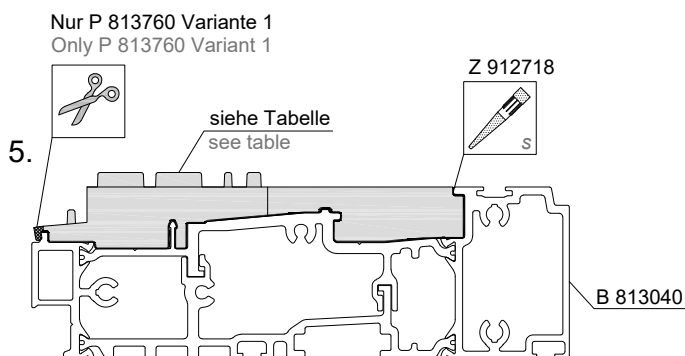
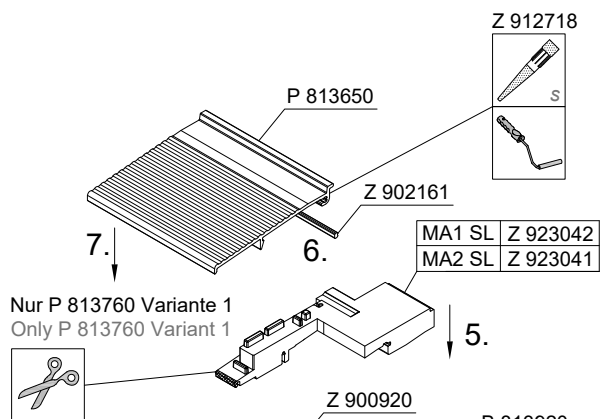
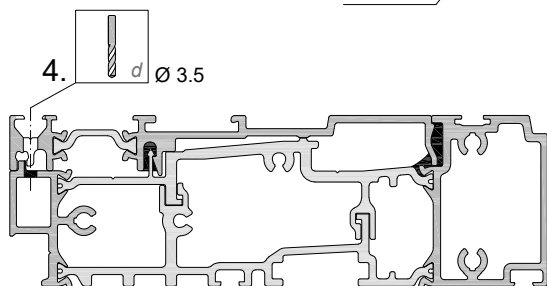
MA2 SL

MONTAGE • LABYRINTHBEREICH
 ASSEMBLY • LABYRINTH AREA



Schema MA1 SL dargestellt
 Scheme MA1 SL shown

Schema MA2 SL spiegelbildlich
 Scheme MA2 SL mirror-inverted

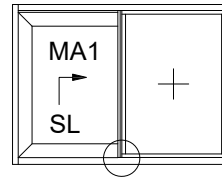
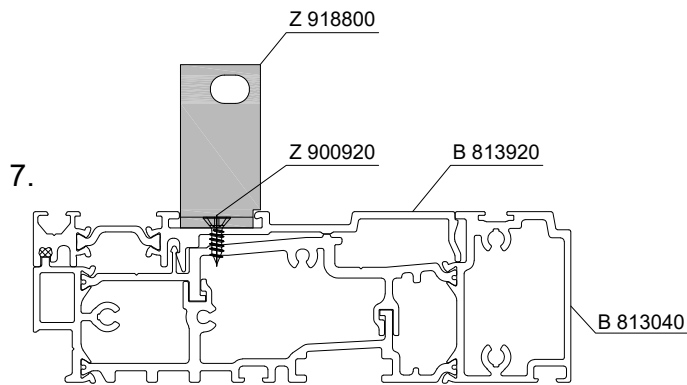


Bearbeitungsschritte Schema MA1 SL

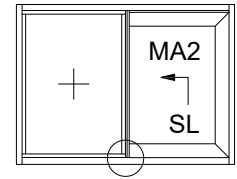
1. Dichtungsroundschnur Z 902161 in B 813920 eindrücken
2. Dichtstoff auf Blendrahmen B 813040 und Profil B 813920 aufbringen
3. a) B 813920 von außen gesehen rechts bündig und am Anlagepunkt anlegen / b) eindrehen / c) andrücken
4. Profil B 813040 mit Ø 3.5 mm bohren und mit Profil B 813920 und Schrauben Z 900656 verbinden
5. Dichtungsformteil (siehe Tabelle) kürzen (nur bei P 813760 Variante 1) und mit Dichtstoff bündig zu B 813920 einsetzen
6. Dichtungsroundschnur Z 902161 in P 813650 eindrücken
7. Dichtstoff auf Blendrahmen B 813040 und Profil P 813650 aufbringen und Profil P 813650 bündig zum Dichtformteil einklipsen

Processing steps scheme MA1 SL

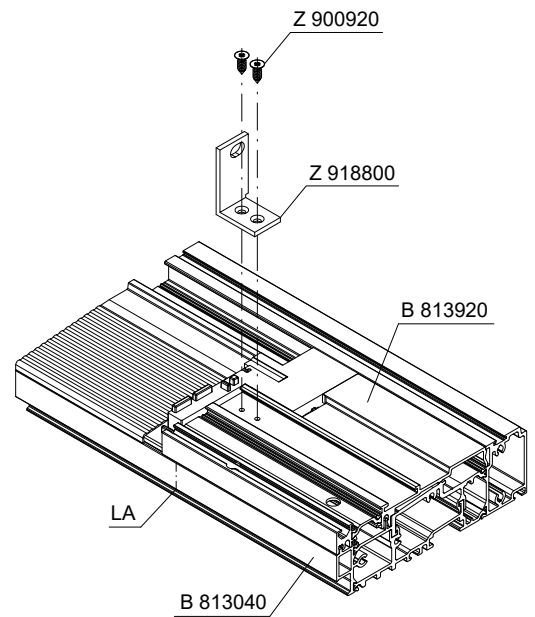
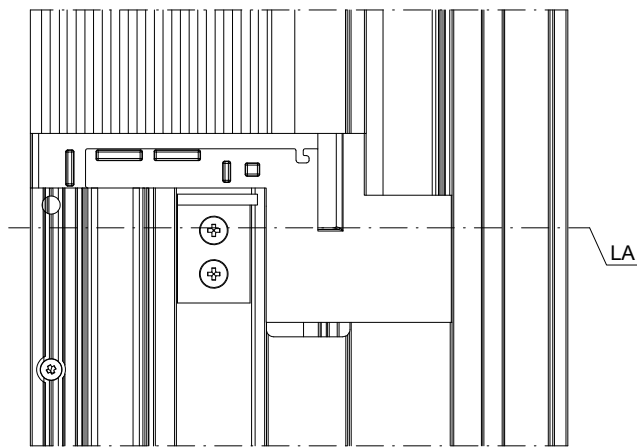
1. Insert gasket cord Z 902161 in profile B 813920
2. Apply sealing compound on profile B 813040 and B 813920
3. a) Place B 813920 right flush, in contact with the installation point / b) Turn in / c) Press down
4. Profile B 813040 drill with Ø 3.5 mm and connect with screws Z 900656 and Profile B 813920
5. Cut shaped gasket piece (see table), only P 813760 variant 1 and fix the it with sealing compound flush to profile B 813920
6. Insert gasket cord Z 902161 in profile P 813650
7. Apply sealing compound on profile B 813040 and P 813650 and snap on P 813650 flush with shaped gasket piece



Schema MA1 SL dargestellt
 Schema MA1 SL shown



Schema MA2 SL spiegelbildlich
 Schema MA2 SL mirror-inverted

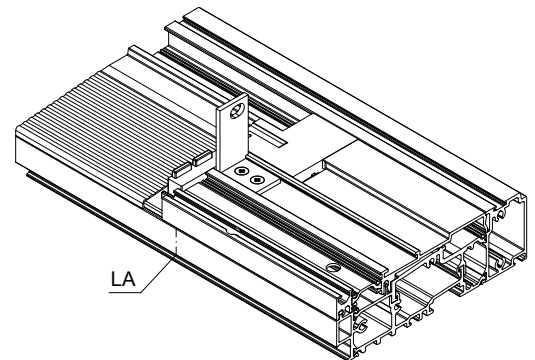


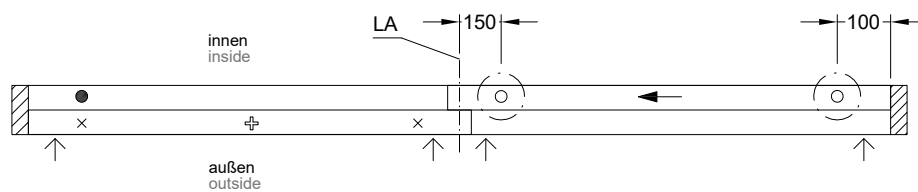
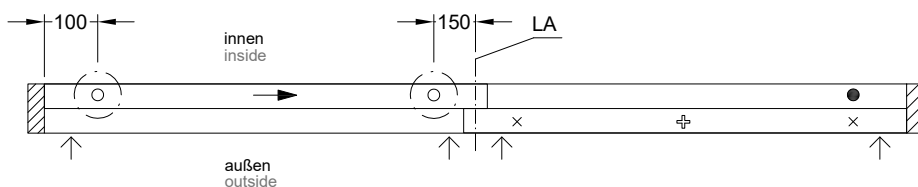
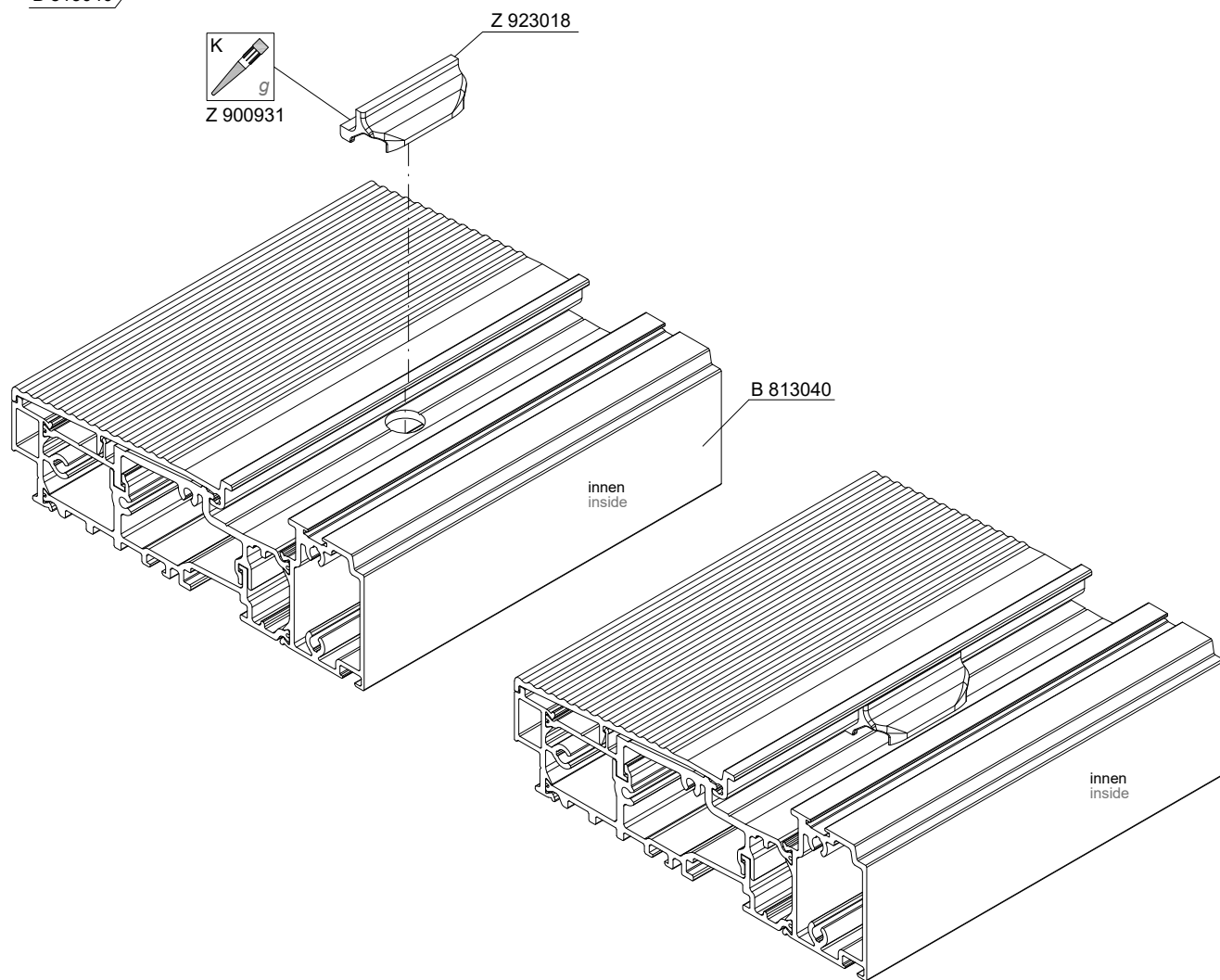
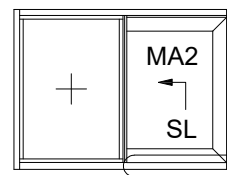
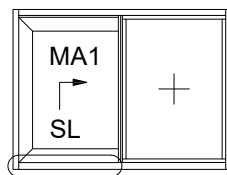
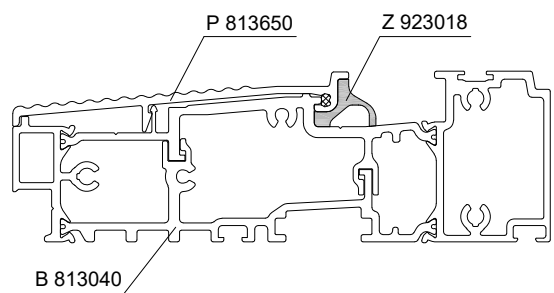
Bearbeitungsschritte Schema MA1 SL

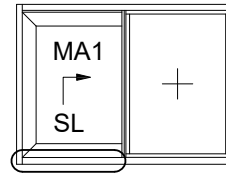
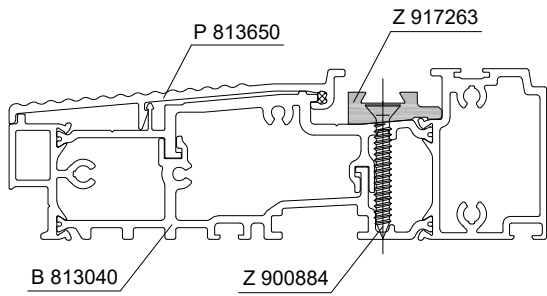
7. Befestigungswinkel Z 918800 mit Schrauben Z 900920 auf Profil B 813920 befestigen

Processing steps scheme MA1 SL

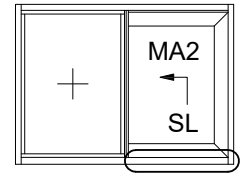
7. Fix angle Z 918800 with screws Z 900920 on profile B 813920



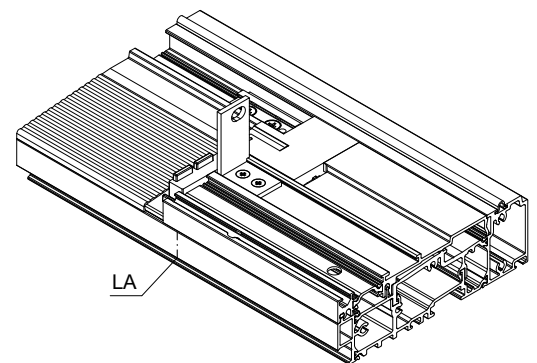
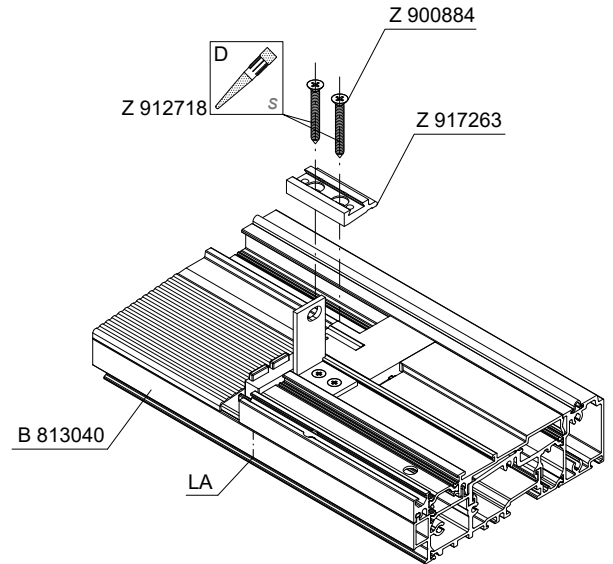
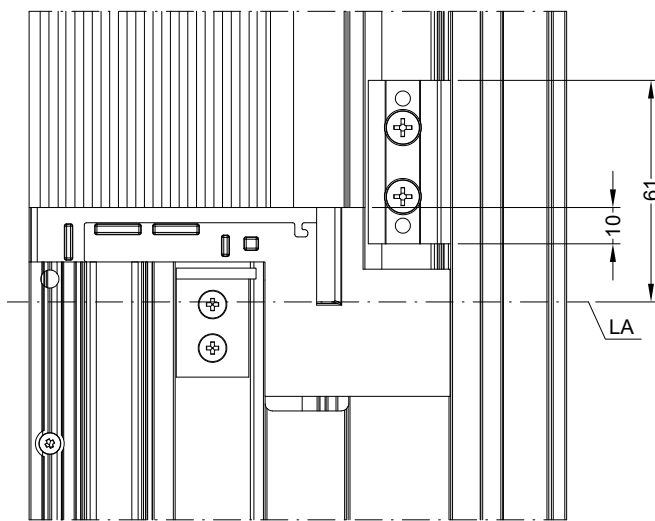




Schema MA1 SL dargestellt
Scheme MA1 SL shown



Schema MA2 SL spiegelbildlich
Scheme MA2 SL mirror-inverted

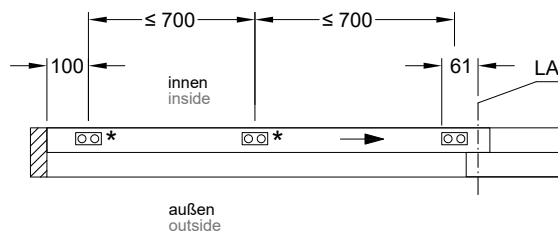


Bearbeitungsschritte Schema MA1 SL

1. Unterteil Z 917263 in Profil B 813040 einsetzen
2. Mit Senkblechschrauben Z 900884 ohne vorbohren verschrauben

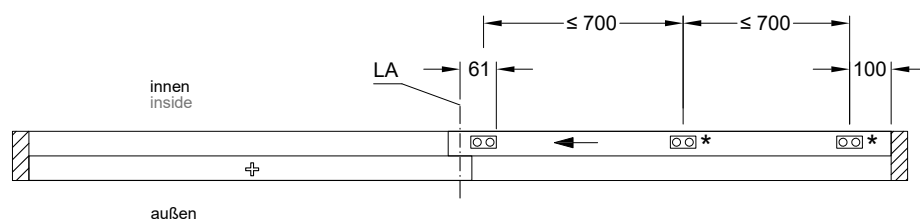
Processing steps scheme MA1 SL

1. Insert base part Z 917263 into profile B 813040
2. Fix it with countersunk self-tapping screw Z 900884 without pre-drilling



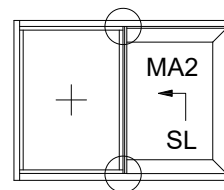
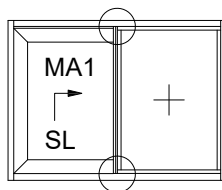
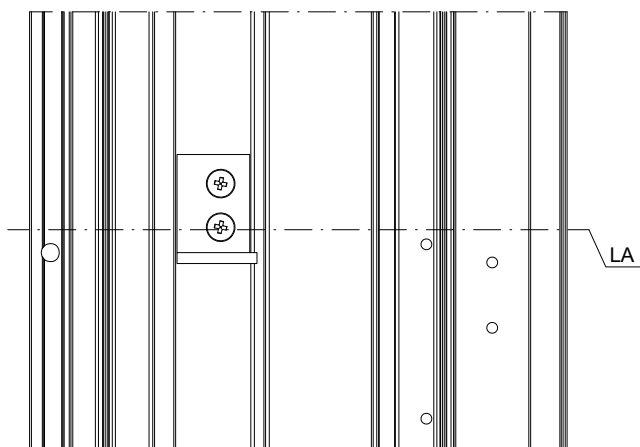
* Verwendung weiterer Zusatzverriegelungen
nur bei Windlasten ab 2000 Pa erforderlich
* Use of further additional locking systems
required for wind loads from 2000 Pa only

MA1 SL



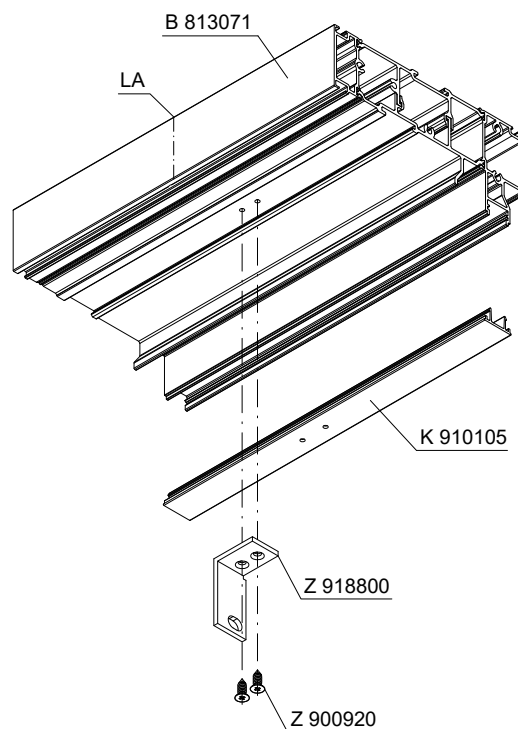
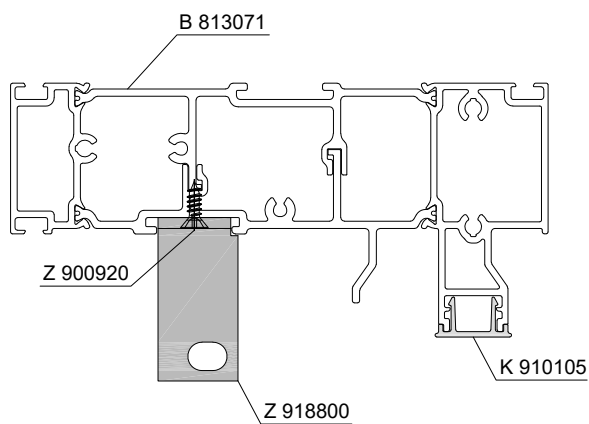
MA2 SL

RAHMENMONTAGE
 FRAME ASSEMBLY



Schema MA1 SL dargestellt
 Scheme MA1 SL shown

Schema MA2 SL spiegelbildlich
 Scheme MA2 SL mirror-inverted

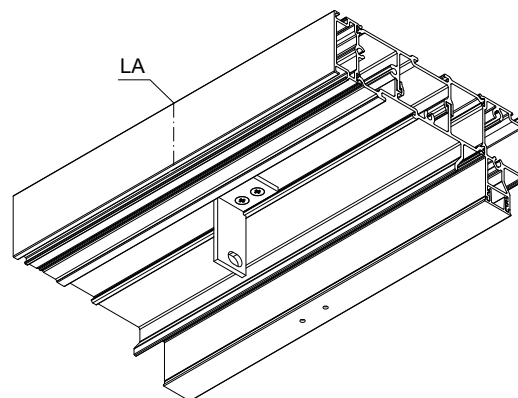


Bearbeitungsschritte Schema MA1 SL

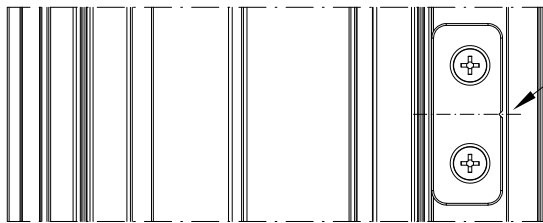
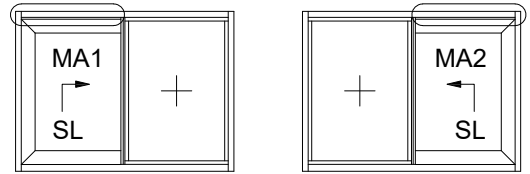
1. Befestigungswinkel Z 918800 mit Schrauben Z 900920 auf Blendrahmen B 813071 befestigen

Processing steps scheme MA1 SL

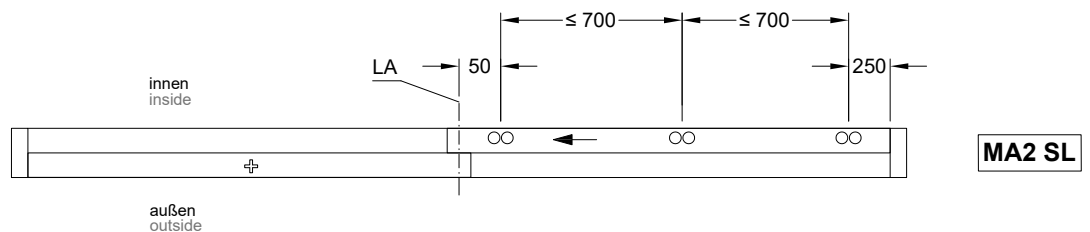
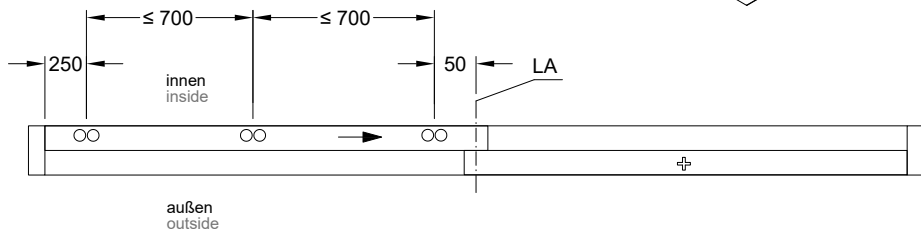
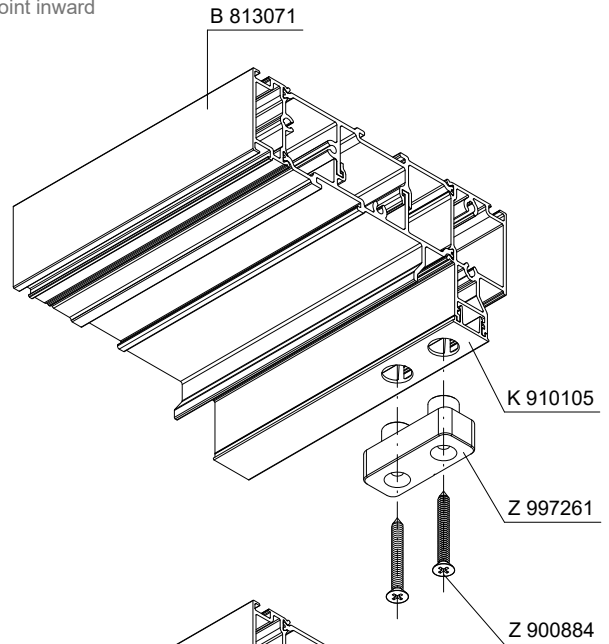
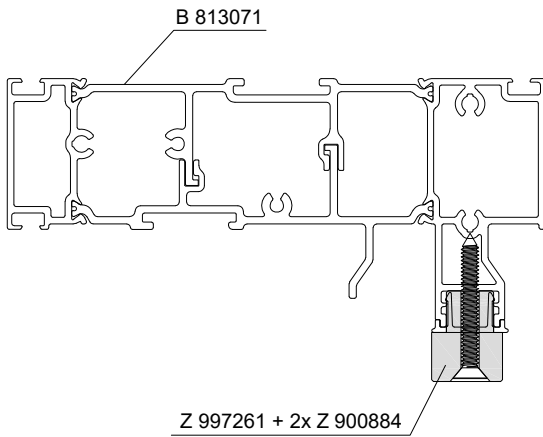
1. Fix angle Z 918800 with screws Z 900920 on fixed frame B 813071



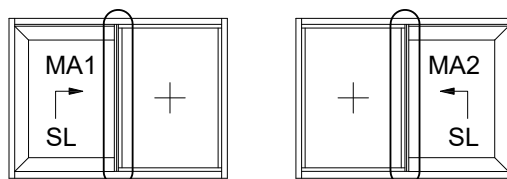
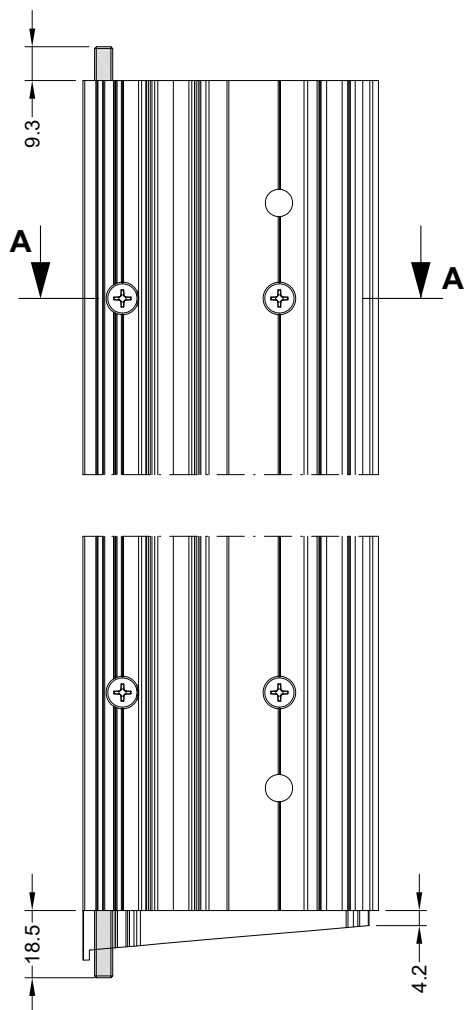
Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



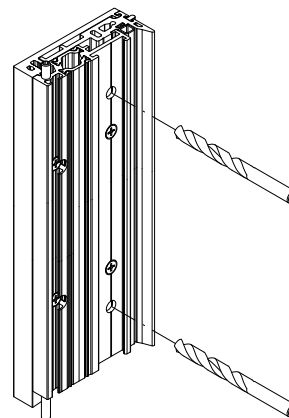
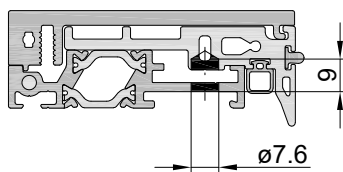
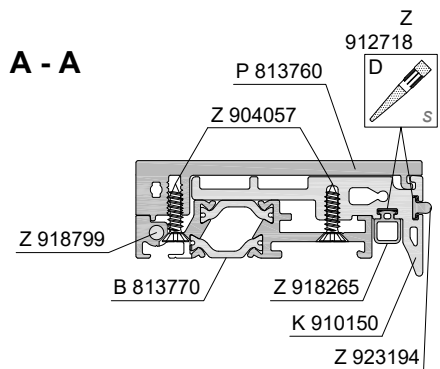
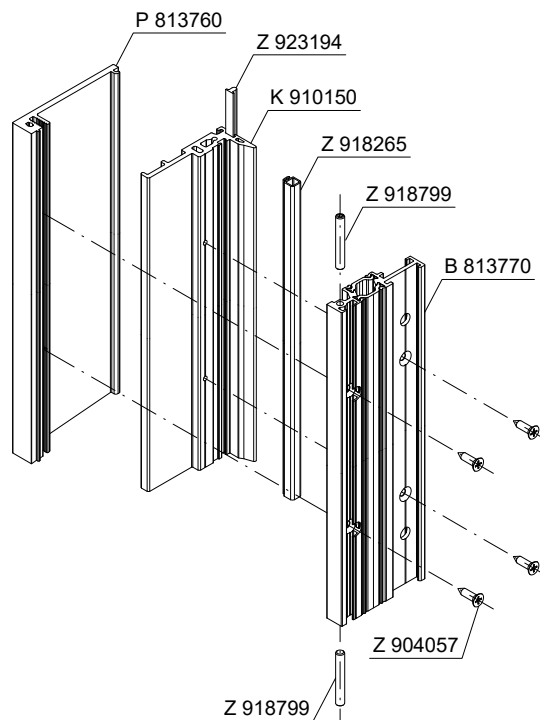
Asymmetrisches Bauteil
 Markierung muss nach
 innen zeigen
 Asymmetrical component
 Mark must point inward



RAHMENMONTAGE
 FRAME ASSEMBLY



Schema MA1 SL dargestellt Schema MA2 SL spiegelbildlich
 Scheme MA1 SL shown Scheme MA2 SL mirror-inverted

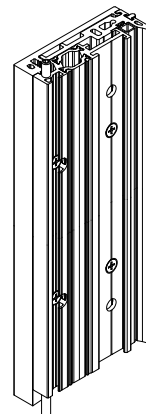


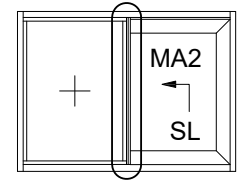
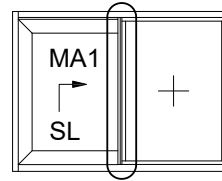
Bearbeitungsschritte Schema MA1 SL

1. Dichtungen Z 918265 und Z 923194 in Labyrinthprofil K 910150 eindrücken und oben und unten mit Dichtstoff fixieren
2. Labyrinthprofil K 910150 und Profil B 813770 an Profil P 813760 ausrichten
3. Profile mit Schrauben Z 904057 verbinden
4. Bohrung $\varnothing 7,6$ in K910150 einbringen
5. Gewindestifte Z 918799 ins Profil B 813770 einschrauben

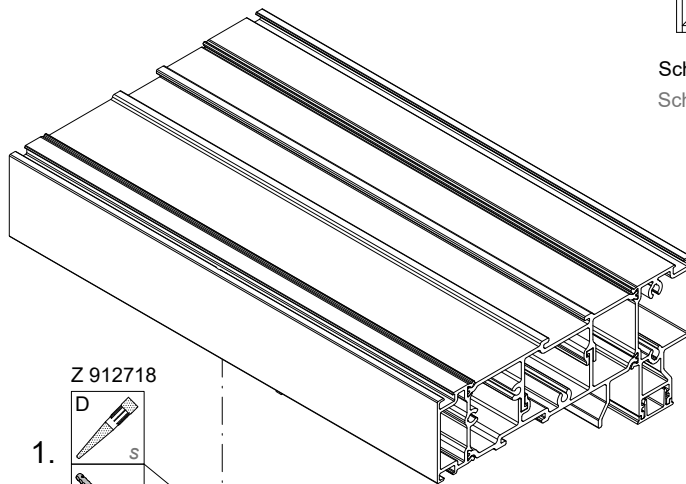
Processing steps scheme MA1 SL

1. Insert gaskets Z 918265 and Z 923194 in labyrinth profile K 910150 and fix it with sealing compound at the top and bottom
2. Adjust labyrinth profile K 910150 and profile B 813770 to profile P 813760
3. Fix profiles with screws Z 904057
4. Drill $\varnothing 7,6$ in K910150
5. Screw in threaded pins Z 918799 in profile B 813770





Schema MA1 SL dargestellt Schema MA2 SL spiegelbildlich
 Scheme MA1 SL shown Scheme MA2 SL mirror-inverted

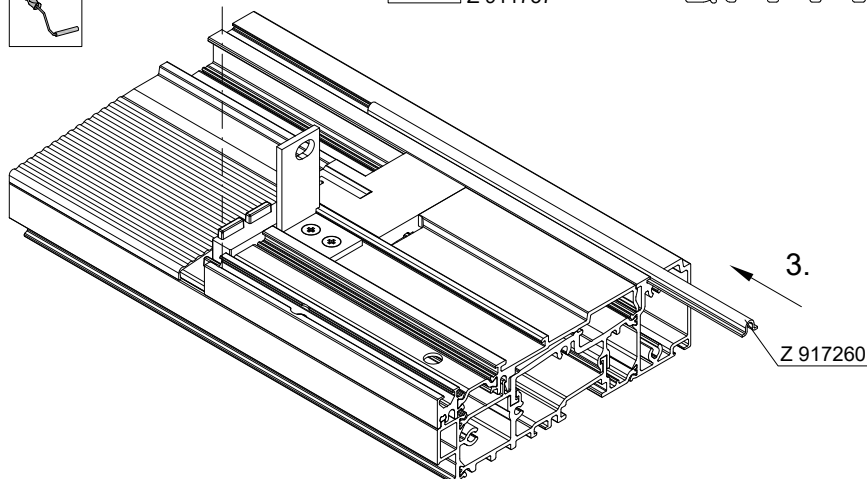
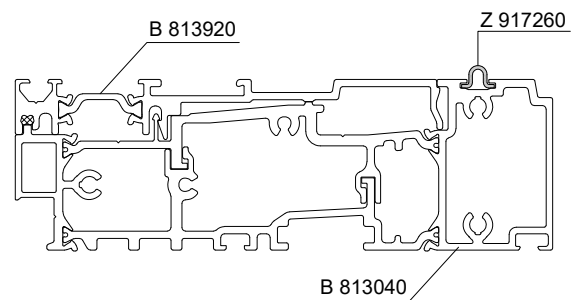
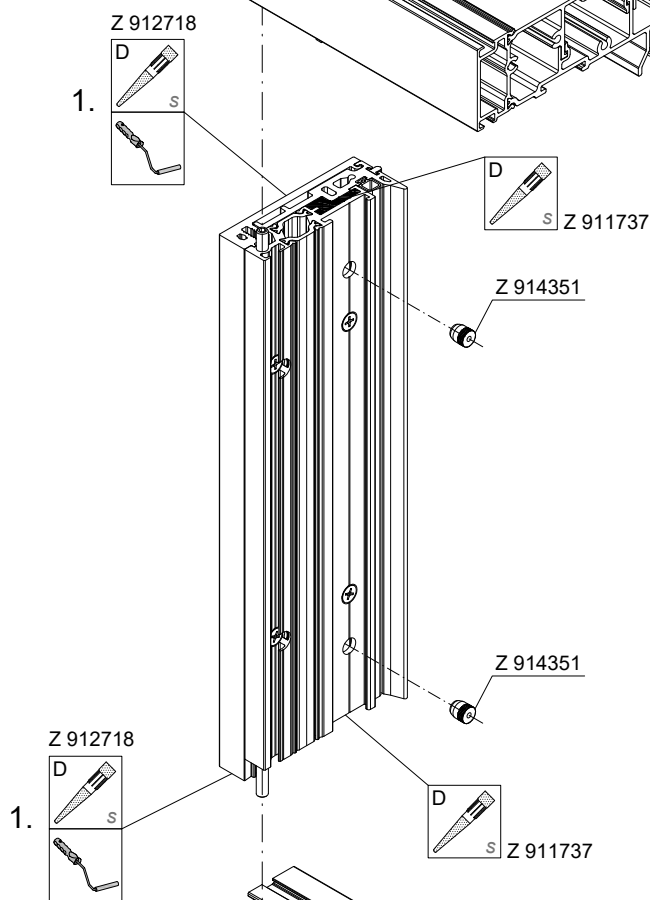


Bearbeitungsschritte Schema MA1 SL

1. Dichtstoff auf die Schnittflächen vom Pfosten auftragen
2. Pfosten einsetzen und verstemen
3. Laufschiene Z 917260 einschieben

Processing steps scheme MA1 SL

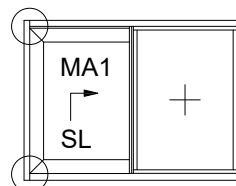
1. Apply sealing compound to the cut surface of the mullion
2. Insert mullion and fix with pins
3. Slide in the rail Z 917260



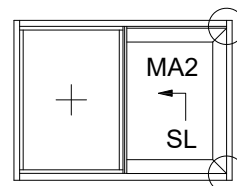
RAHMENMONTAGE
 FRAME ASSEMBLY

Bearbeitungsschritte Schema MA1 SL

1. Isolier- Einschiebling in Blendrahmen B 813080 einschieben (optional)
2. Teilstück vom Dichtpad Z918991 abtrennen
3. Dichtstoff auf gesamte Flächen der Dichtformteile und Blendrahmen aufbringen und Dichtformteile einlegen
4. Profile rechtwinklig ausrichten
5. Profile mit Schrauben Z 923094 verschrauben



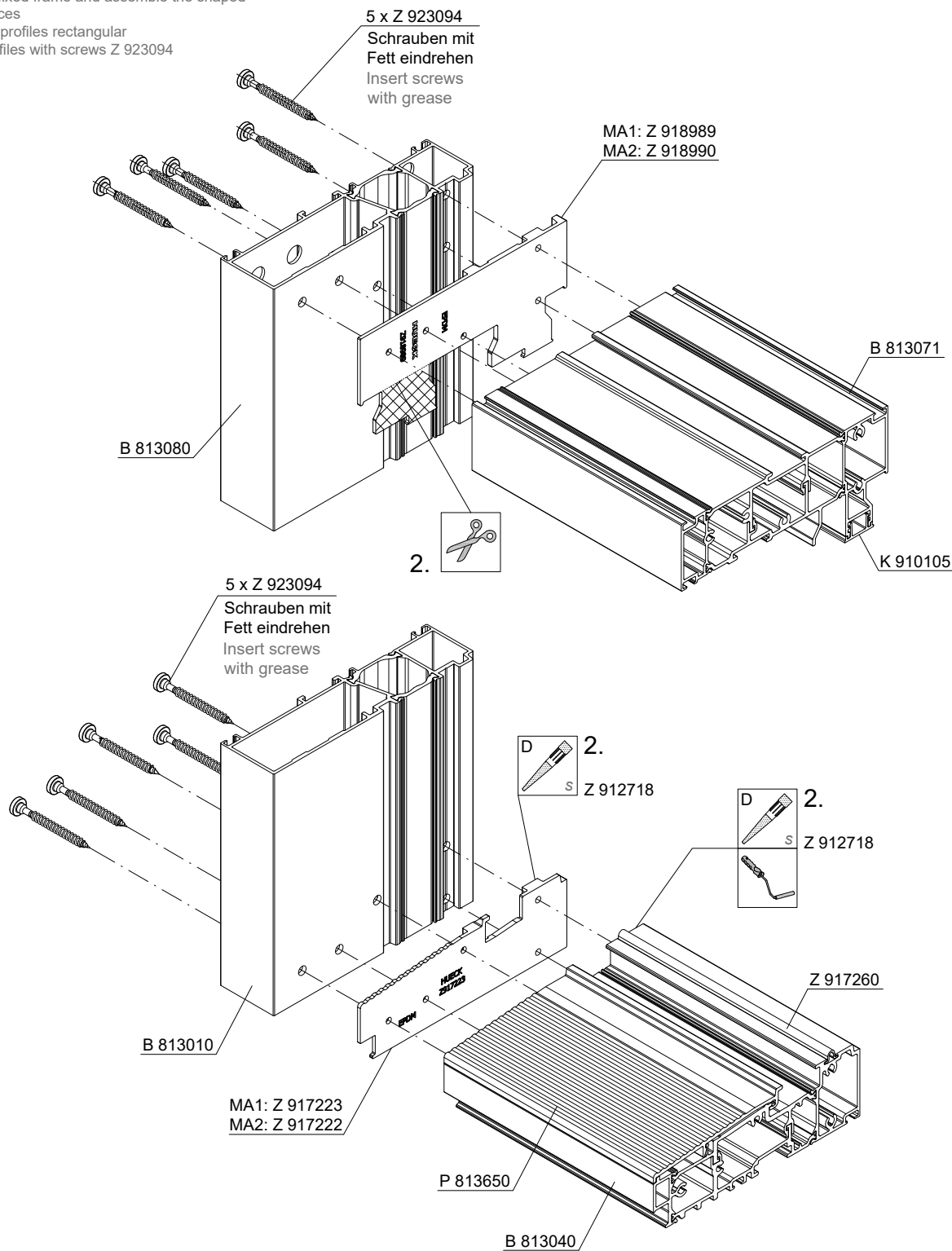
Schema MA1 SL dargestellt
 Schema MA1 SL shown



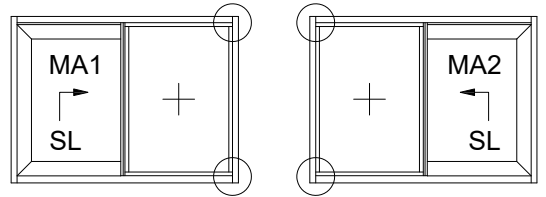
Schema MA2 SL spiegelbildlich
 Schema MA2 SL mirror-inverted

Processing steps scheme MA1 SL

1. Insert insulating connecting sleeve into fixed frame B 813080 (optionally)
2. Cut part of the shaped gasket piece Z 918991
3. Apply sealing compound to the shaped gasket piece and fixed frame and assemble the shaped gasket pieces
4. Adjust the profiles rectangular
5. Fix the profiles with screws Z 923094

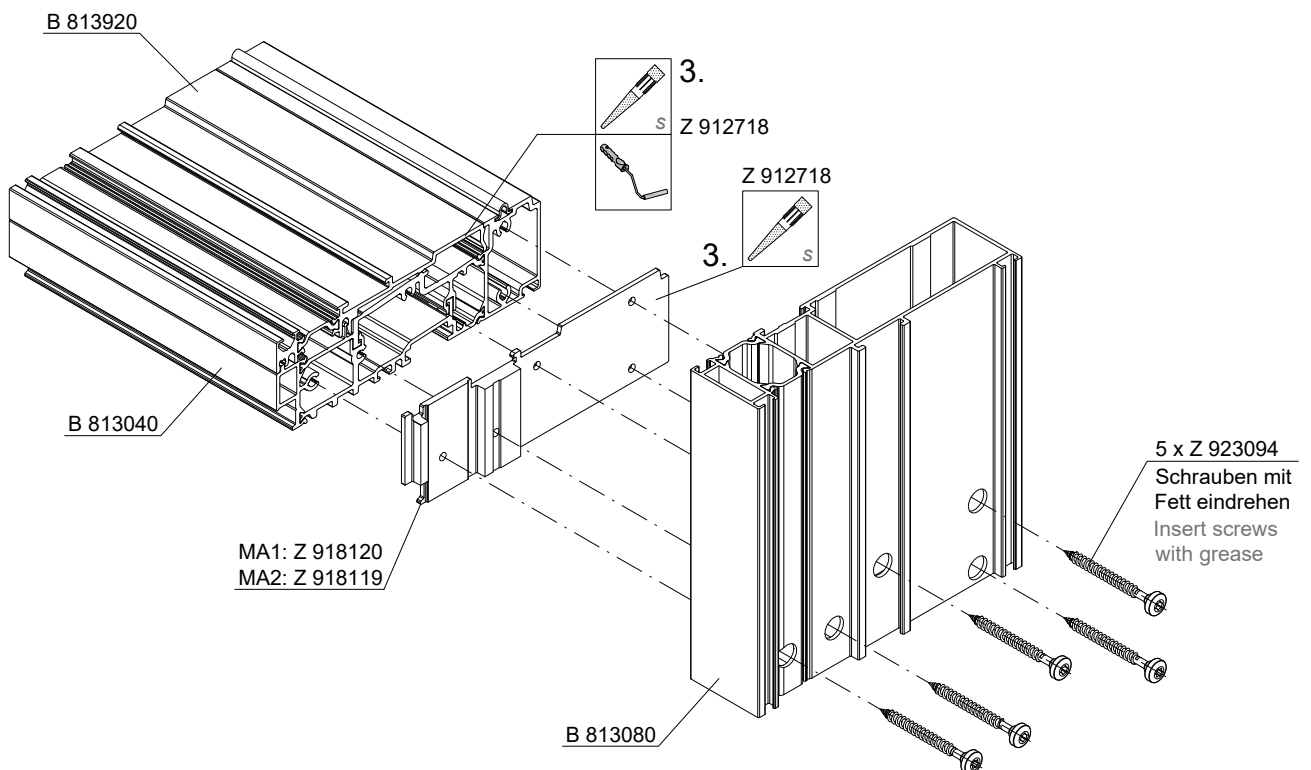
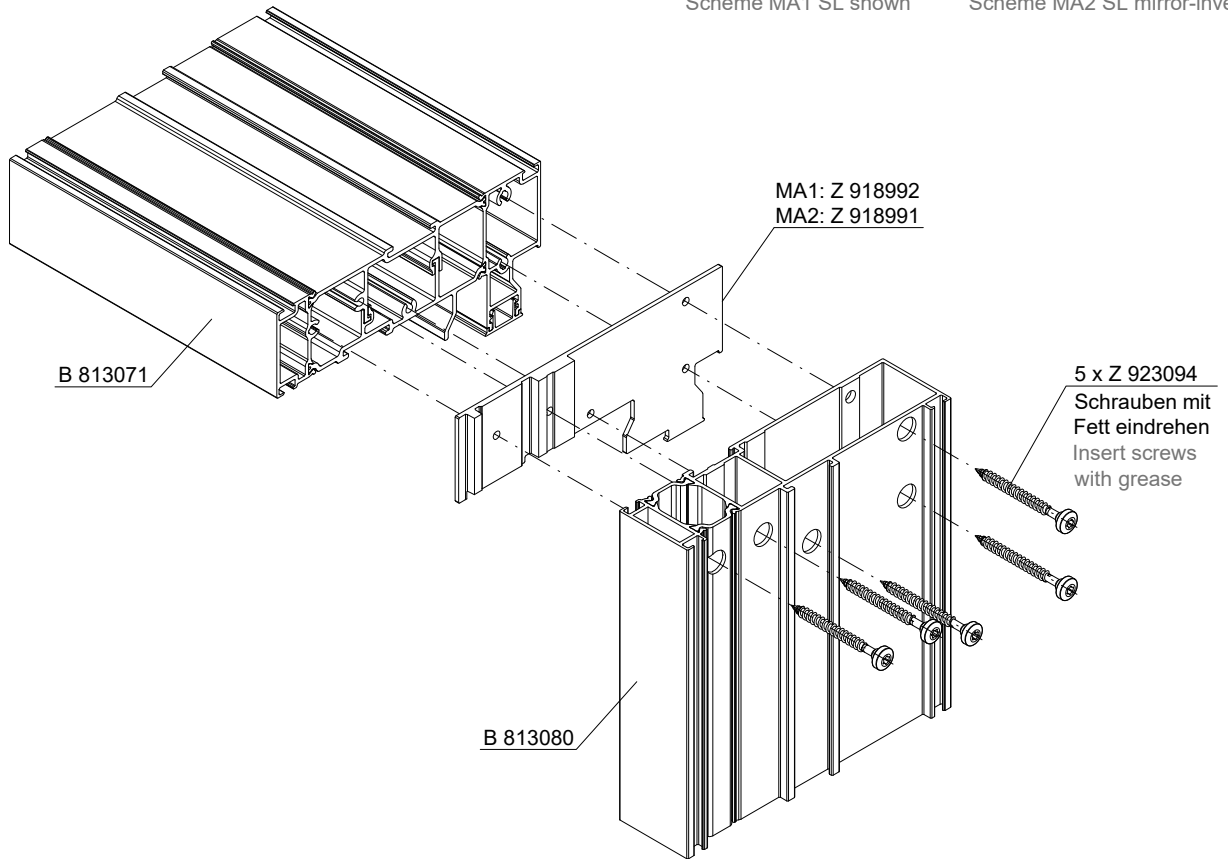


RAHMENMONTAGE
 FRAME ASSEMBLY

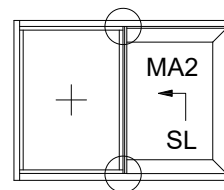
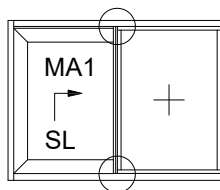


Schema MA1 SL dargestellt
 Schema MA1 SL shown

Schema MA2 SL spiegelbildlich
 Schema MA2 SL mirror-inverted

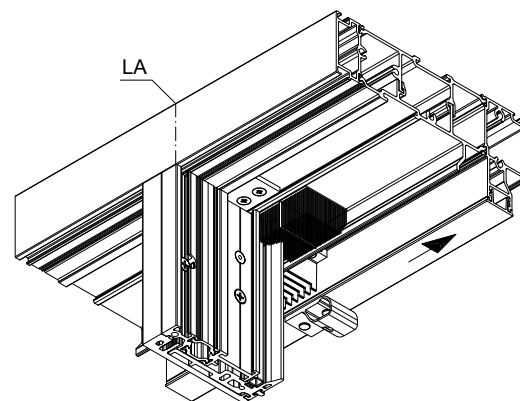
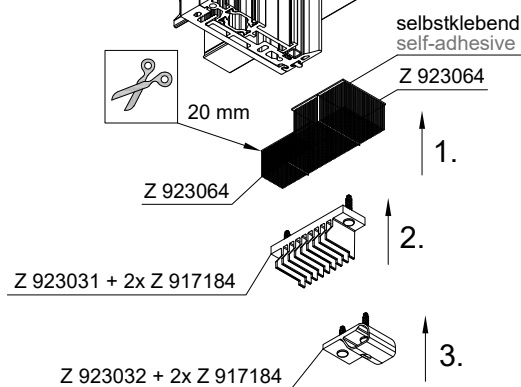
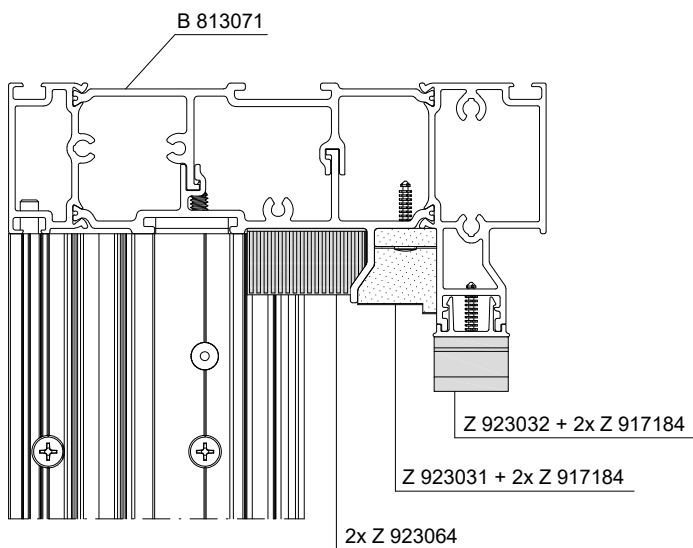
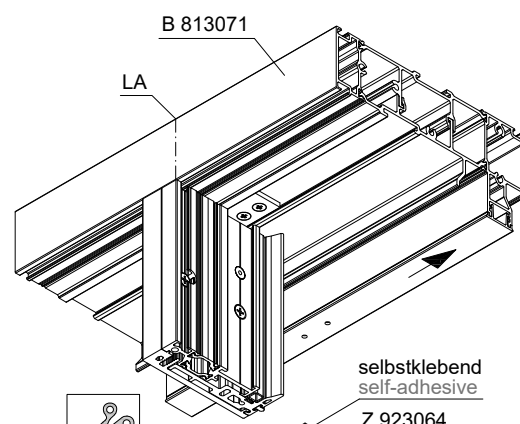
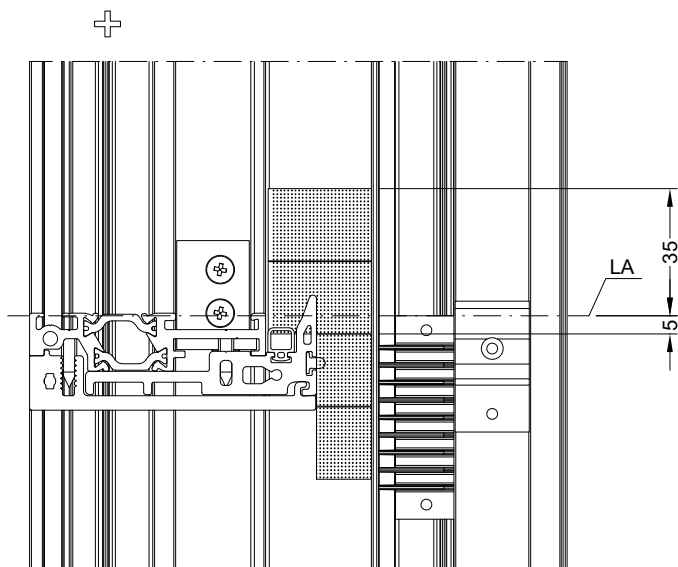


MONTAGE • DICHTFORMTEIL
 ASSEMBLY • SHAPED GASKET PIECE

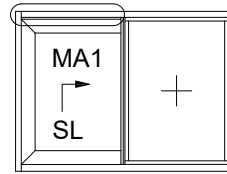
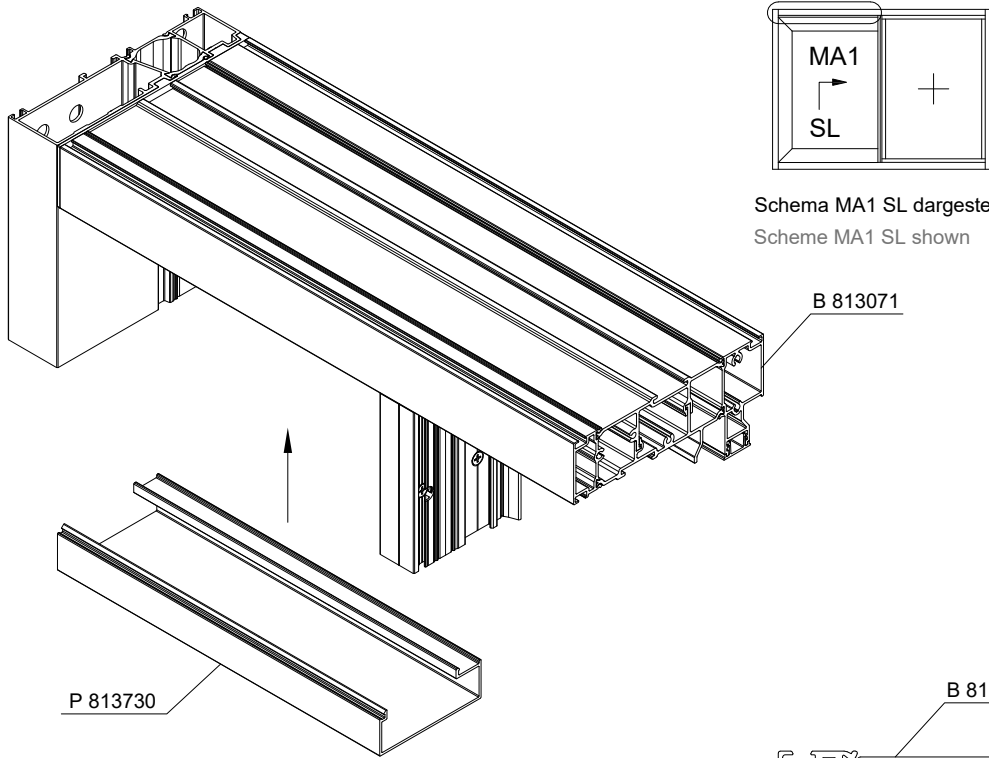


Schema MA1 SL dargestellt
 Scheme MA1 SL shown

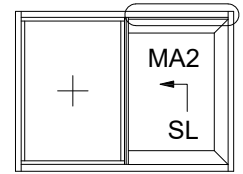
Schema MA2 SL spiegelbildlich
 Scheme MA2 SL mirror-inverted



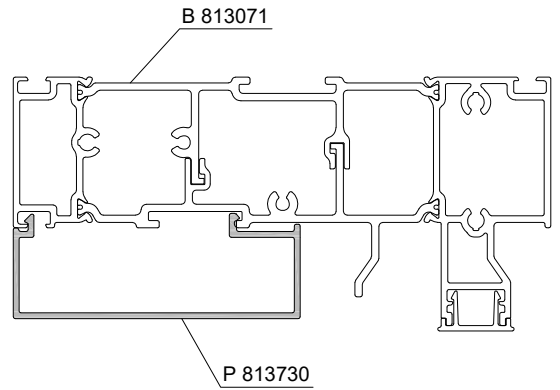
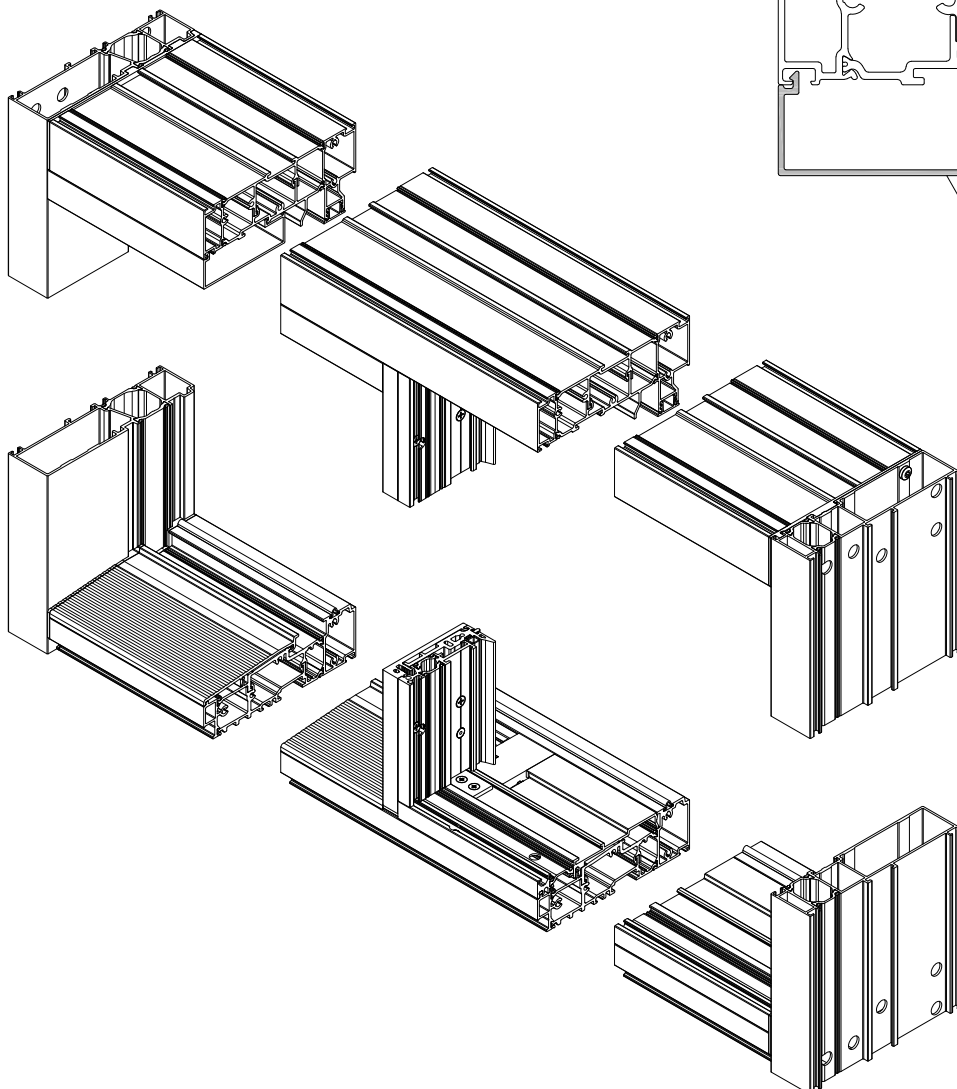
RAHMENMONTAGE
 FRAME ASSEMBLY



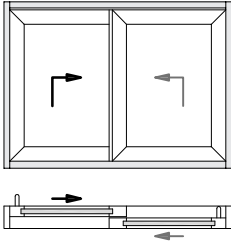
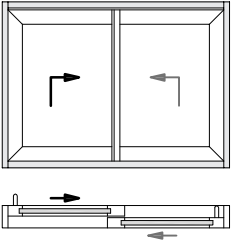
Schema MA1 SL dargestellt
 Scheme MA1 SL shown


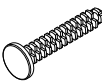

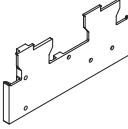

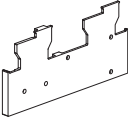
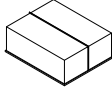
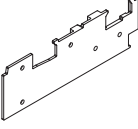

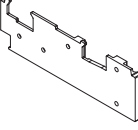
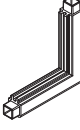

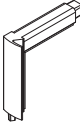
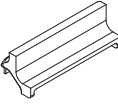
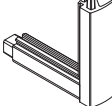
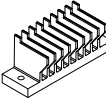
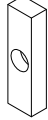



Schema MA2 SL spiegelbildlich
 Scheme MA2 SL mirror-inverted



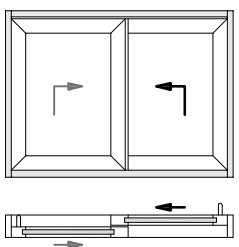
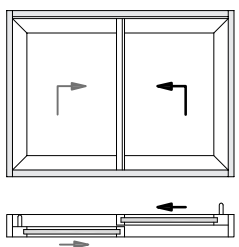
ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME


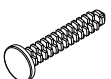

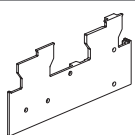

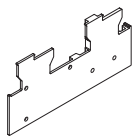
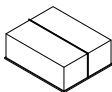
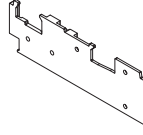

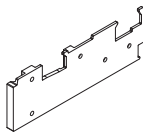
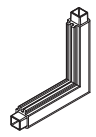
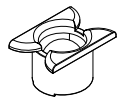
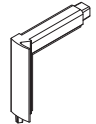
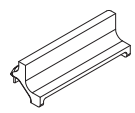
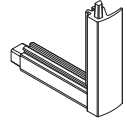
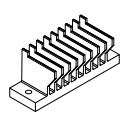

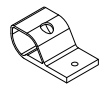
BLENDRAHMEN FIXED FRAME			
Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
D1			<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach links öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the left</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity			
Z 997657	 Z 900920	4	 Z 917184	8			
	 Z 923094	20					
	 Z 918989	1	 Z 923030	4			
	 Z 918987	1	 Z 923029	2			
	 Z 917227	1	 Z 917634	25			
	 Z 917228	1	 Z 918345	4			
	 Z 917253	1	 Z 918493	2			
	 Z 923018	2	 Z 918494	2			
	 Z 923031	2	 Z 917241	4			
	 Z 923032	2					

ZUBEHÖRSÄTZE • BLENDRAHMEN
 ACCESSORY SETS • FIXED FRAME

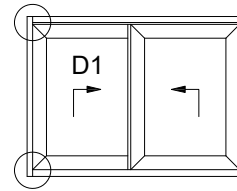
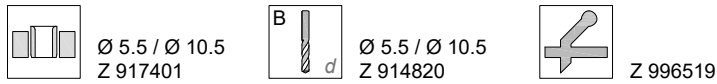
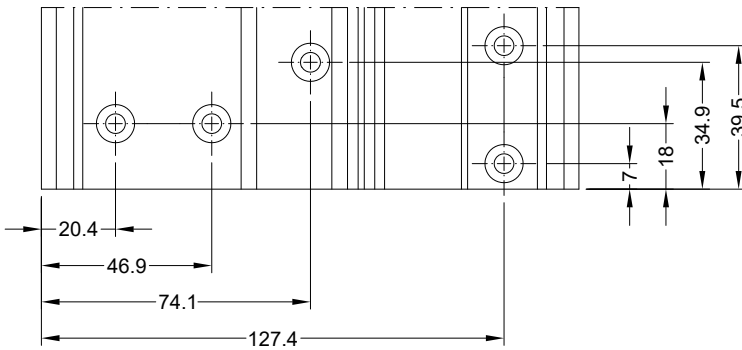
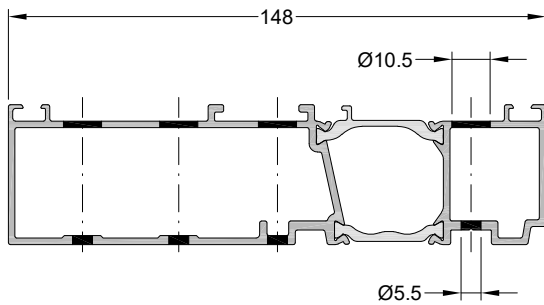
BLENDRAHMEN
 FIXED FRAME

Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
D2			<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach rechts öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the right</p>

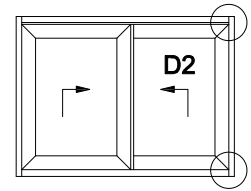
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity			
Z 997658	 Z 900920	4	 Z 917184	8			
	 Z 923094	20					
	 Z 918990	1	 Z 923030	4			
	 Z 918988	1	 Z 923029	2			
	 Z 917226	1	 Z 917634	25			
	 Z 917229	1	 Z 918345	4			
	 Z 917253	1	 Z 918493	2			
	 Z 923018	2	 Z 918494	2			
	 Z 923031	2	 Z 917241	4			
	 Z 923032	2					

ECKVERBINDUNGEN
 CORNER CONNECTIONS

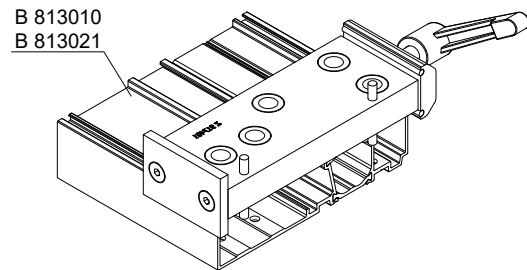
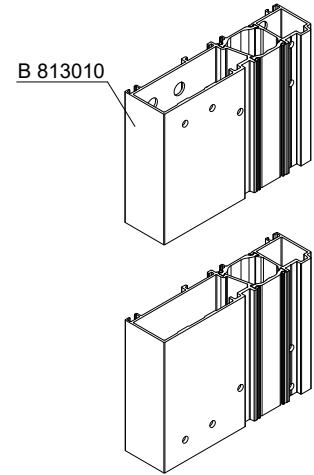
B 813010



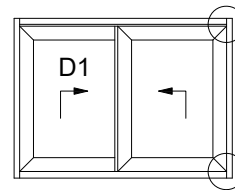
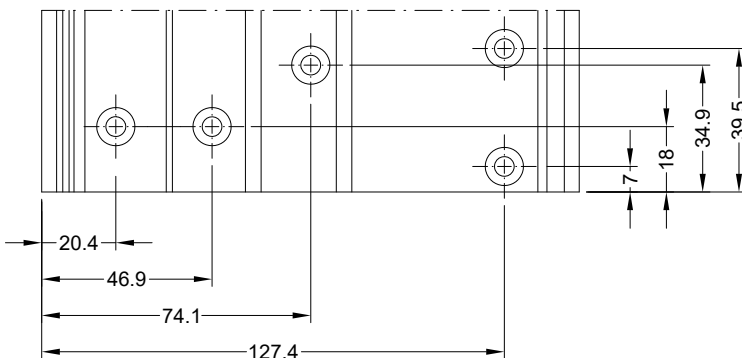
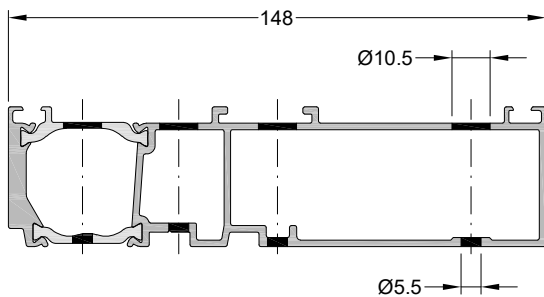
Schema D1 dargestellt
 Scheme D1 shown



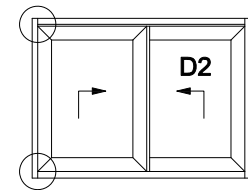
Schema D2 spiegelbildlich
 Scheme D2 mirror-inverted



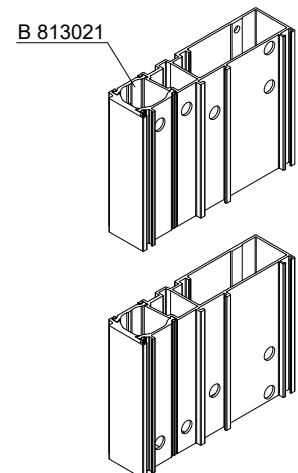
B 813021



Schema D1 dargestellt
 Scheme D1 shown

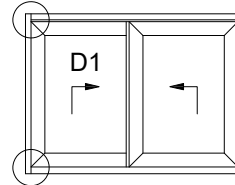
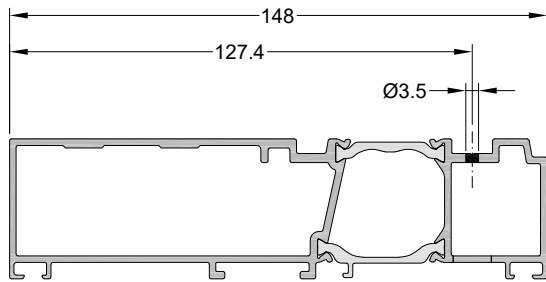


Schema A2 spiegelbildlich
 Schema A2 mirror-inverted

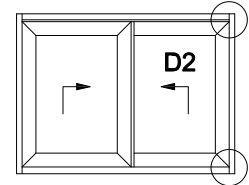


ANSCHLAGPUFFER
 STOP BUFFER

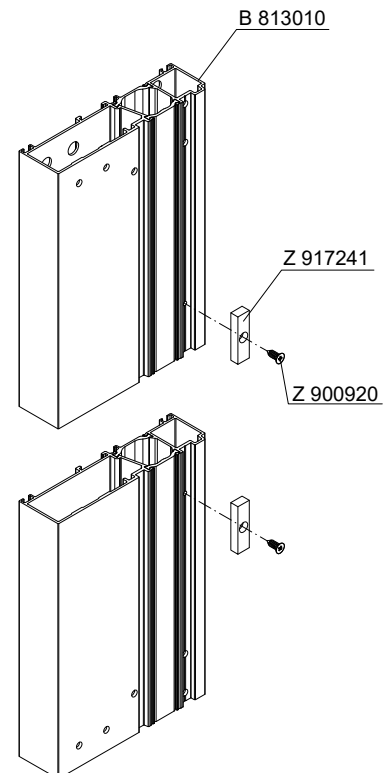
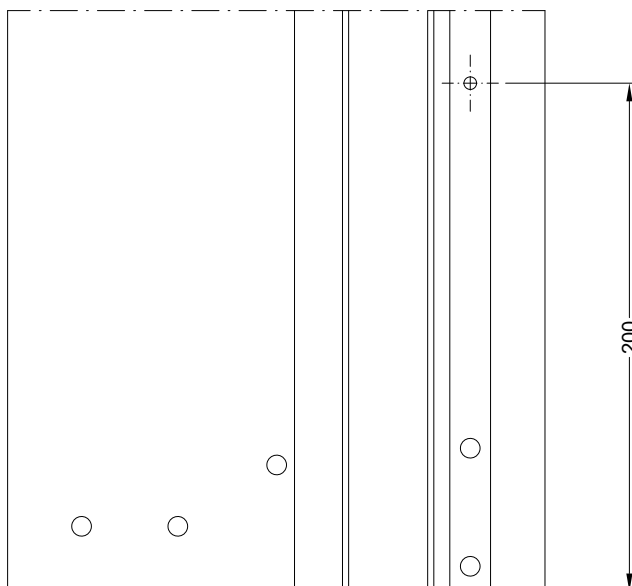
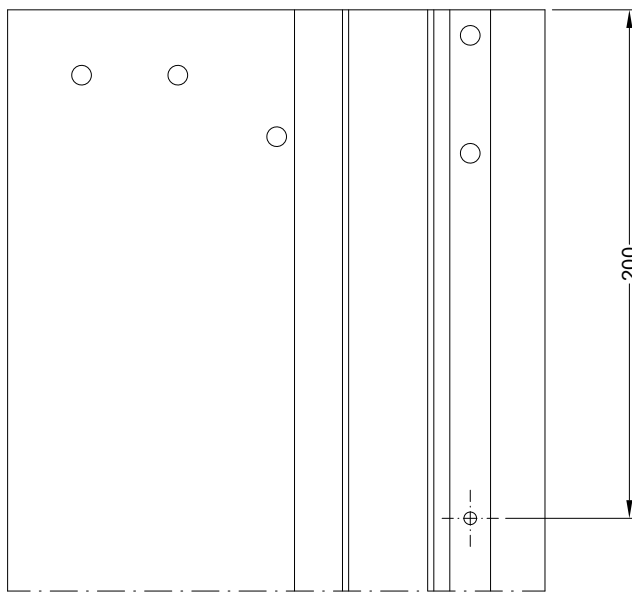
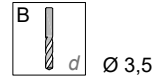
B 813010



Schema D1 dargestellt
 Scheme D1 shown

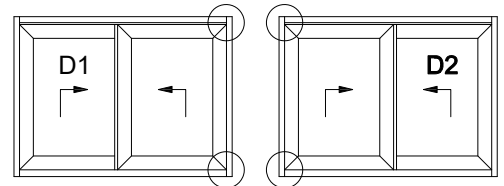
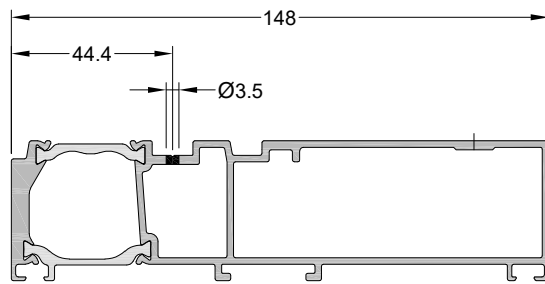


Schema D2 spiegelbildlich
 Scheme D2 mirror-inverted



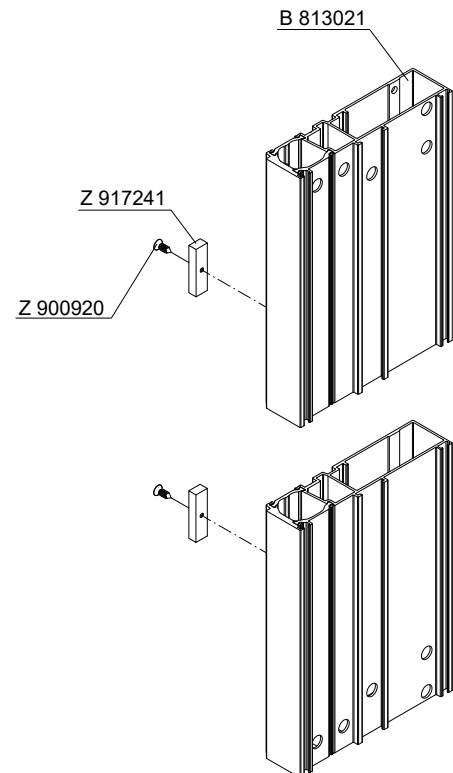
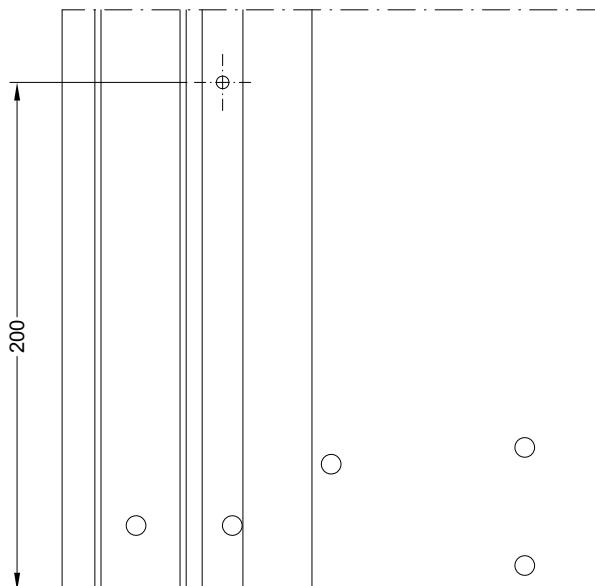
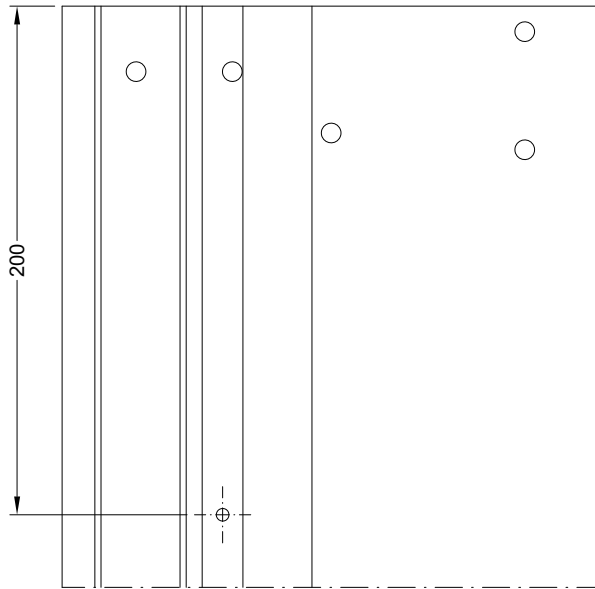
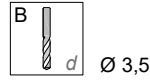
ANSCHLAGPUFFER
 STOP BUFFER

B 813021



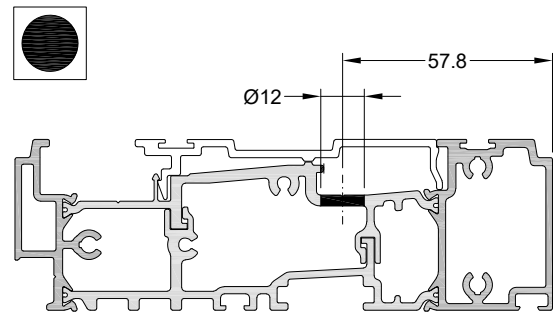
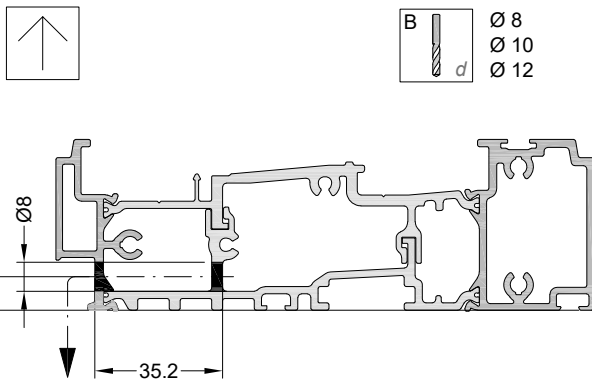
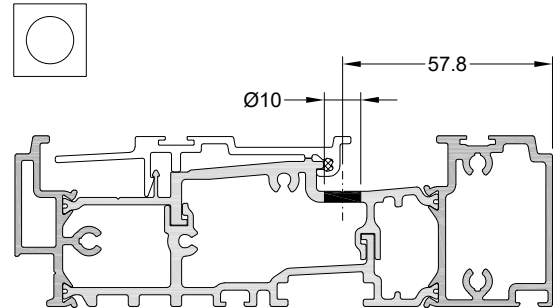
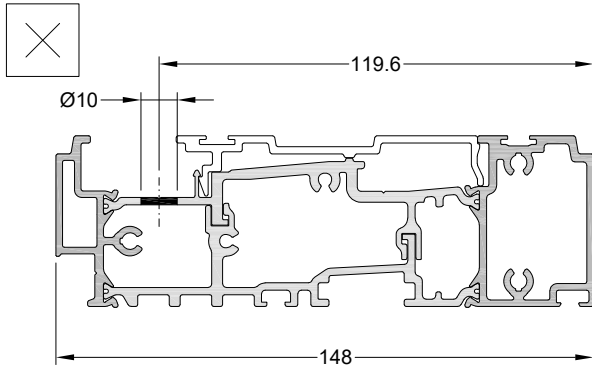
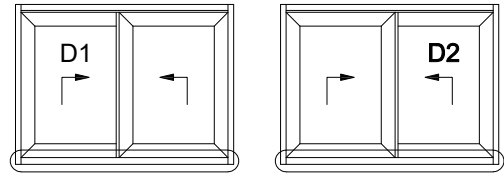
Schema D1 dargestellt
 Schema D1 shown

Schema D2 spiegelbildlich
 Schema D2 mirror-inverted

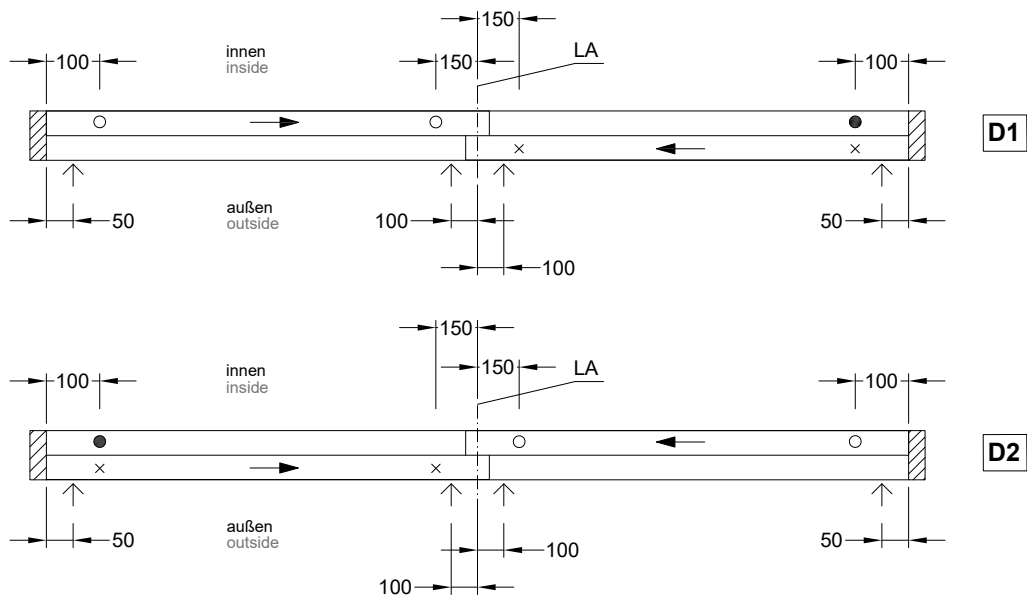


ENTWÄSSERUNG
 DRAINAGE

B 813050



B	Ø 8
	Ø 10
	Ø 12
d	

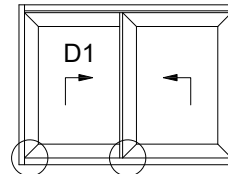
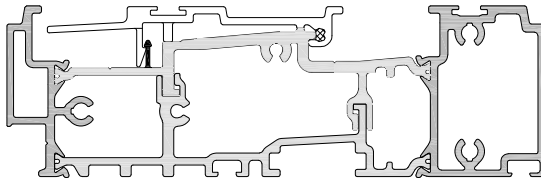


- × Bohrung Ø10
- Bohrung Ø10
- ↑ Bohrung Ø8
- Bohrung Ø12 für Kugelventil

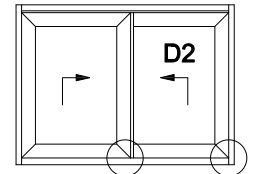
- × drill hole Ø10
- drill hole Ø10
- ↑ drill hole Ø8
- drill hole Ø12 for ball valve

ENTWÄSSERUNG
 DRAINAGE

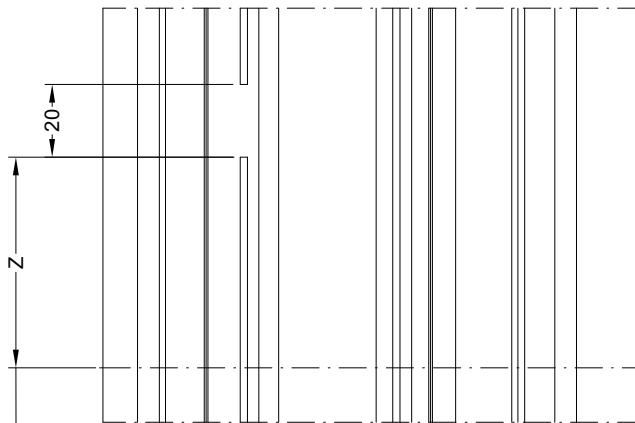
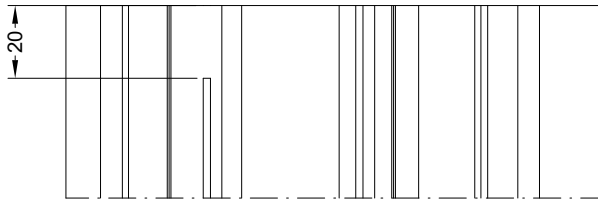
B 813050



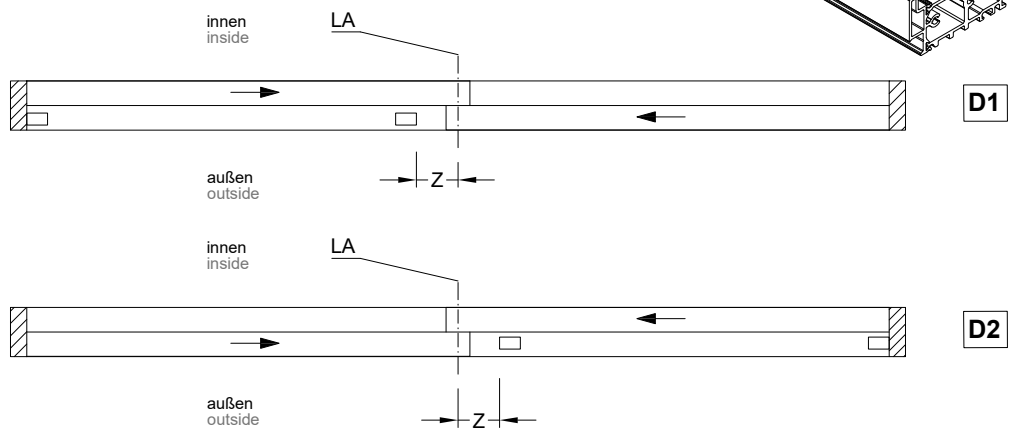
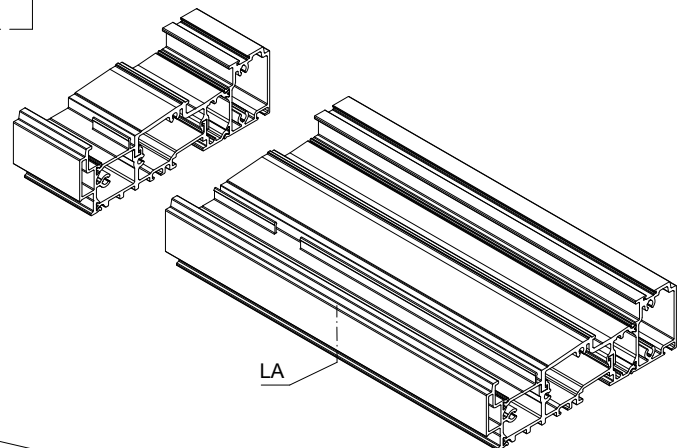
Schema D1 dargestellt
 Scheme D1 shown



Schema D2 spiegelbildlich
 Scheme D2 mirror-inverted



B 813234	Z = 58
B 813235	Z = 58
B 813232	Z = 52
B 813233	Z = 52

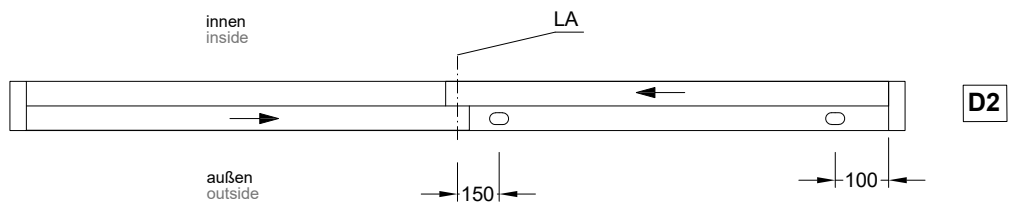
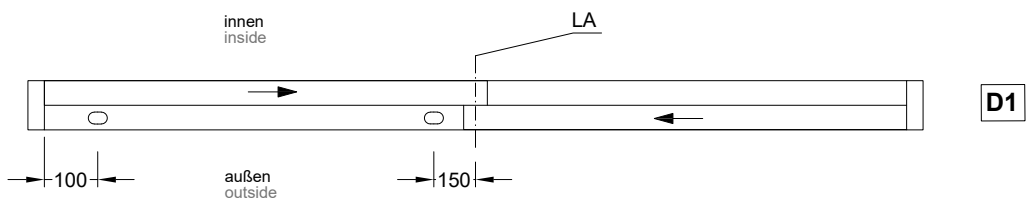
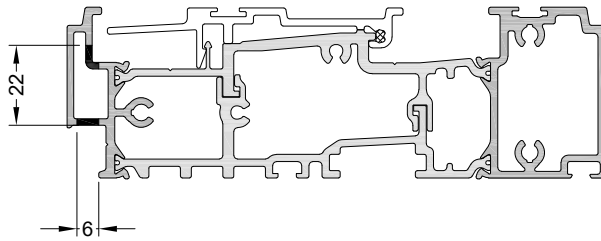
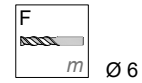
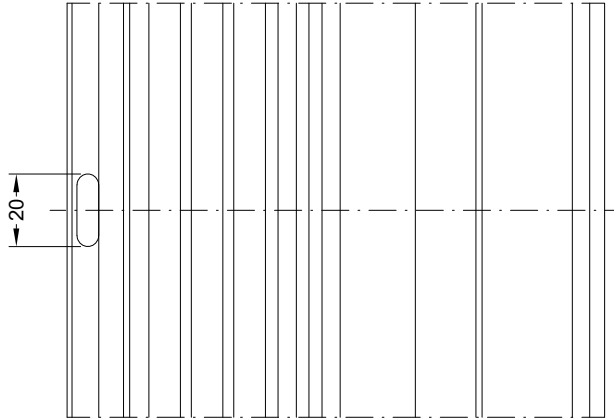
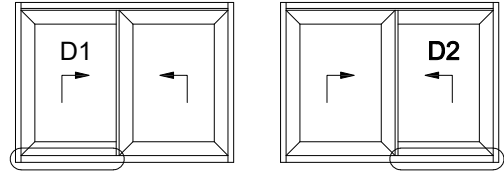


□ Fräsung Ø6

□ milling Ø6

ENTWÄSSERUNG
 DRAINAGE

B 813050

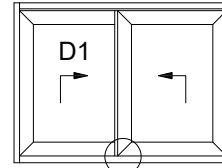
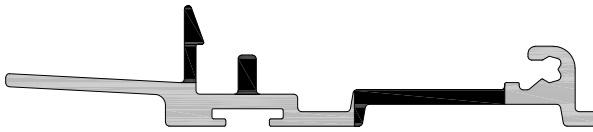


□ Fräsung Ø6

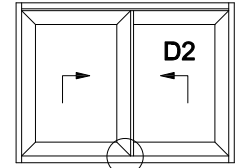
□ milling Ø6

ENTWÄSSERUNG
 DRAINAGE

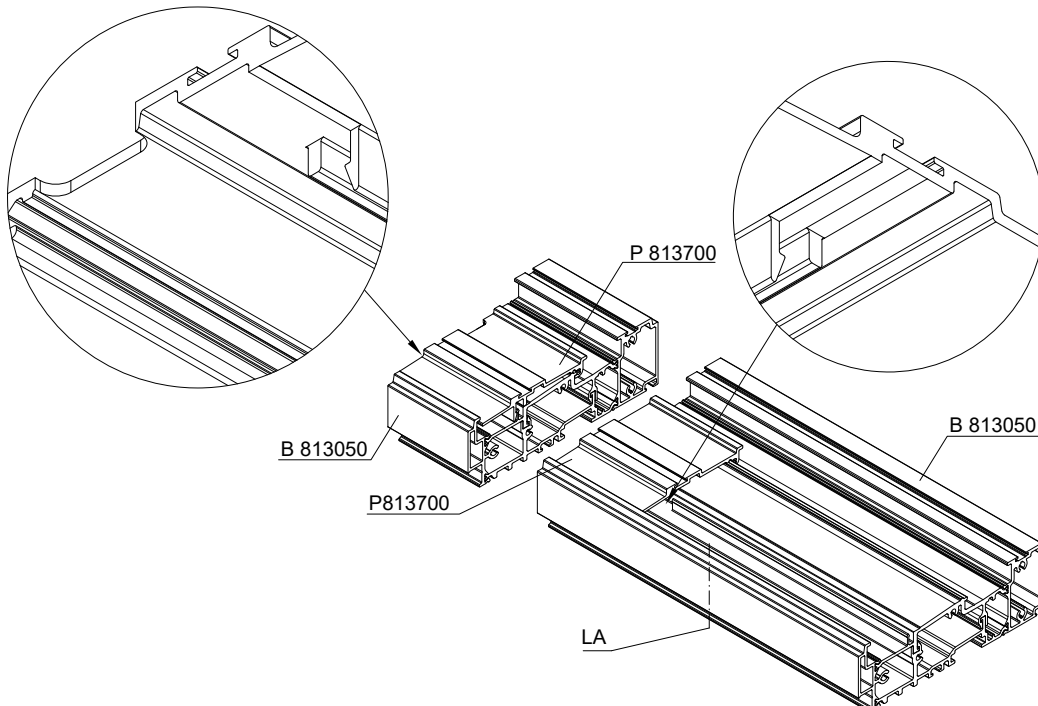
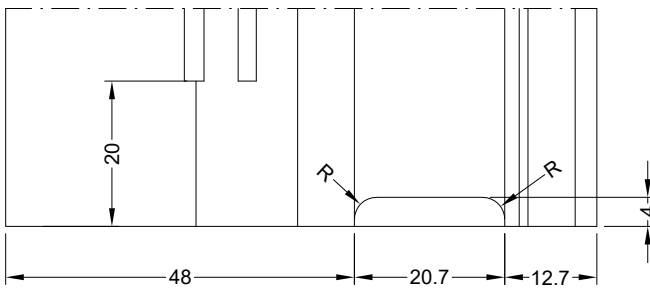
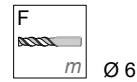
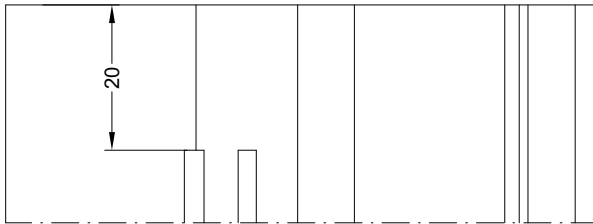
P 813700



Schema D1 dargestellt
 Scheme D1 shown

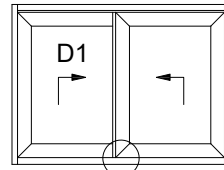
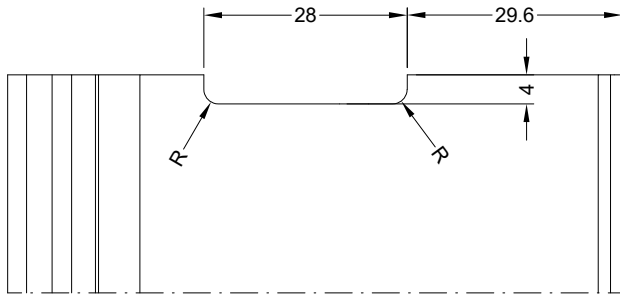
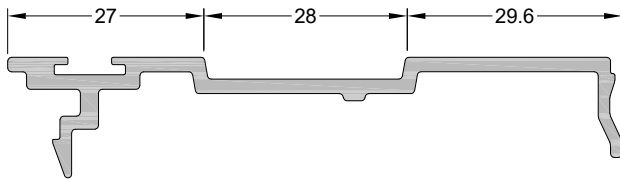


Schema D2 spiegelbildlich
 Scheme D2 mirror-inverted

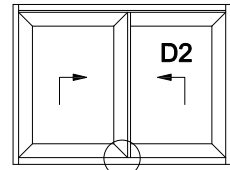


ENTWÄSSERUNG
 DRAINAGE

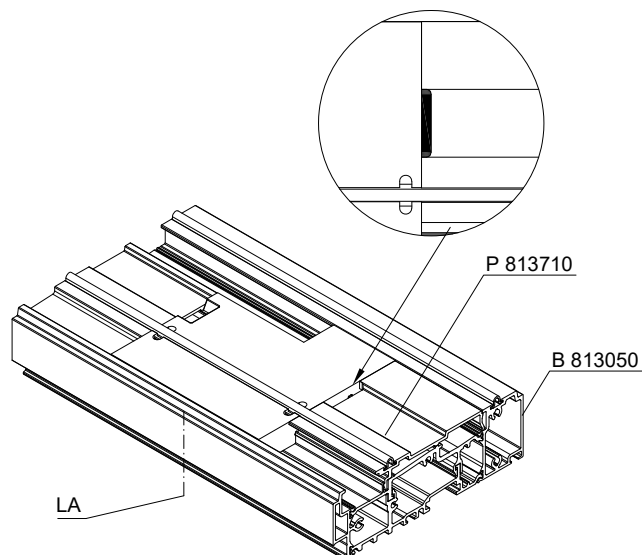
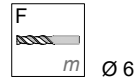
P 813710



Schema D1 dargestellt
 Scheme D1 shown



Schema D2 spiegelbildlich
 Scheme D2 mirror-inverted



BELÜFTUNG
 VENTILATION

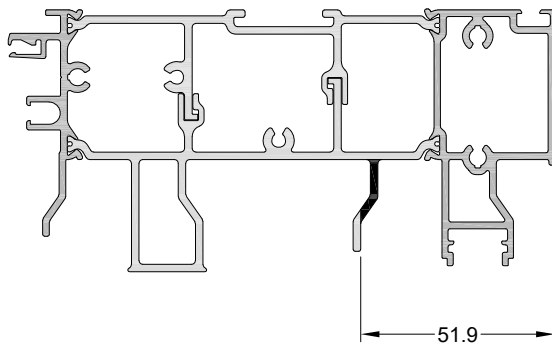
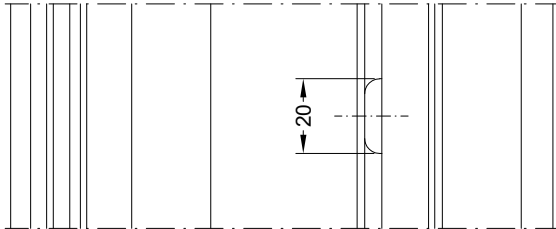
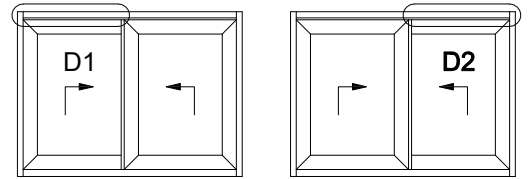
B 813032



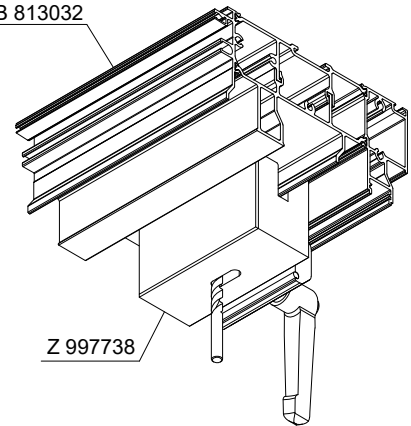
Z 997738



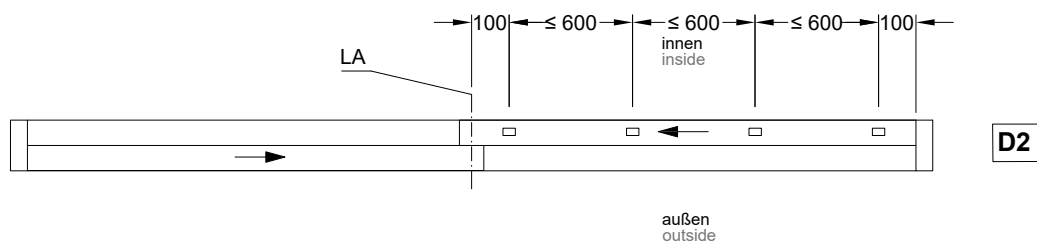
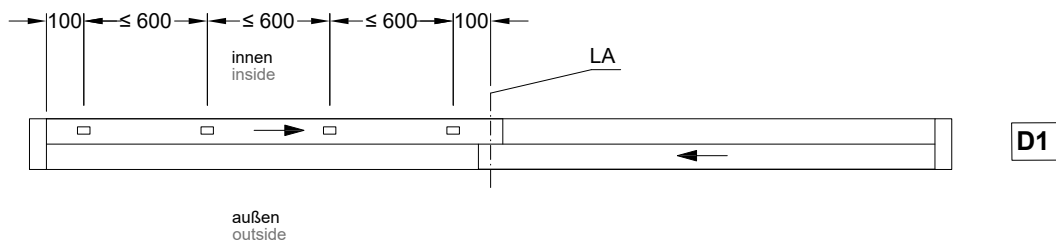
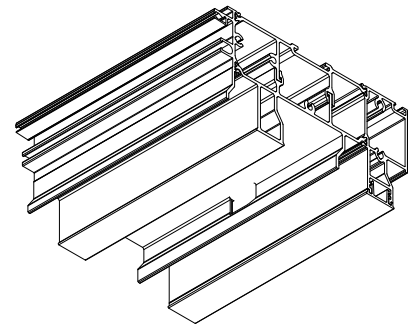
Ø 6



B 813032



Z 997738

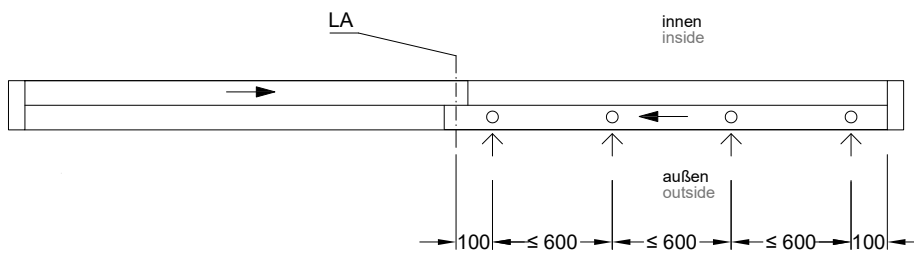
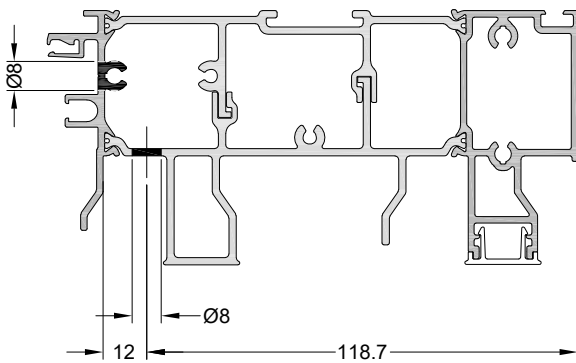
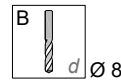
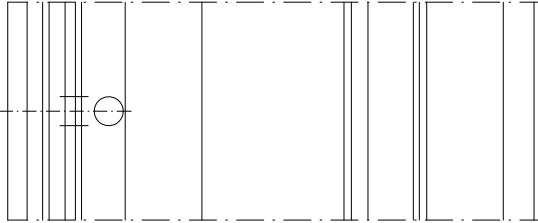
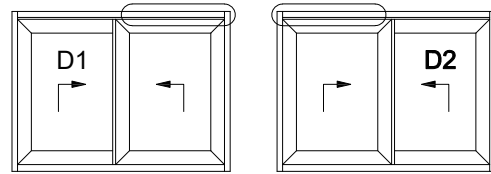


□ Fräsung Ø6

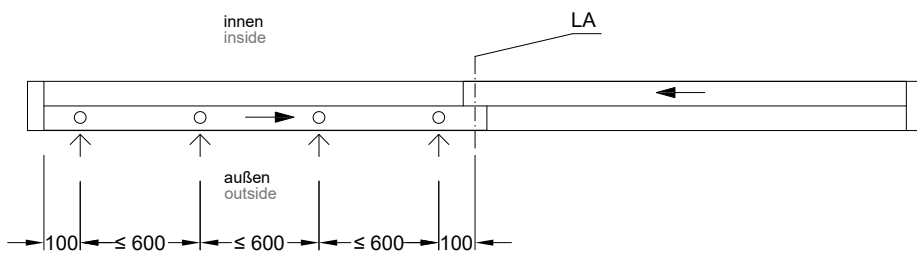
□ milling Ø6

BELÜFTUNG
 VENTILATION

B 813032



D1

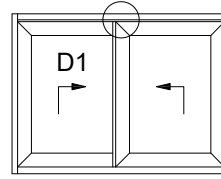
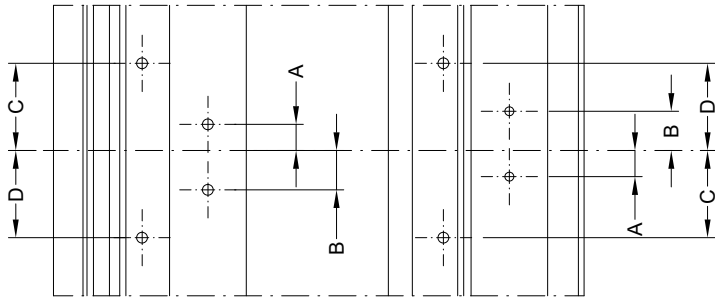


D2

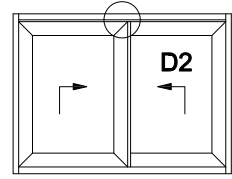
- Bohrung Ø8 ○ drill hole Ø8
- ↑ Bohrung Ø8 ↑ drill hole Ø8

DICHTFORMTEIL
SHAPED GASKET PIECE

B 813032 + K 910105

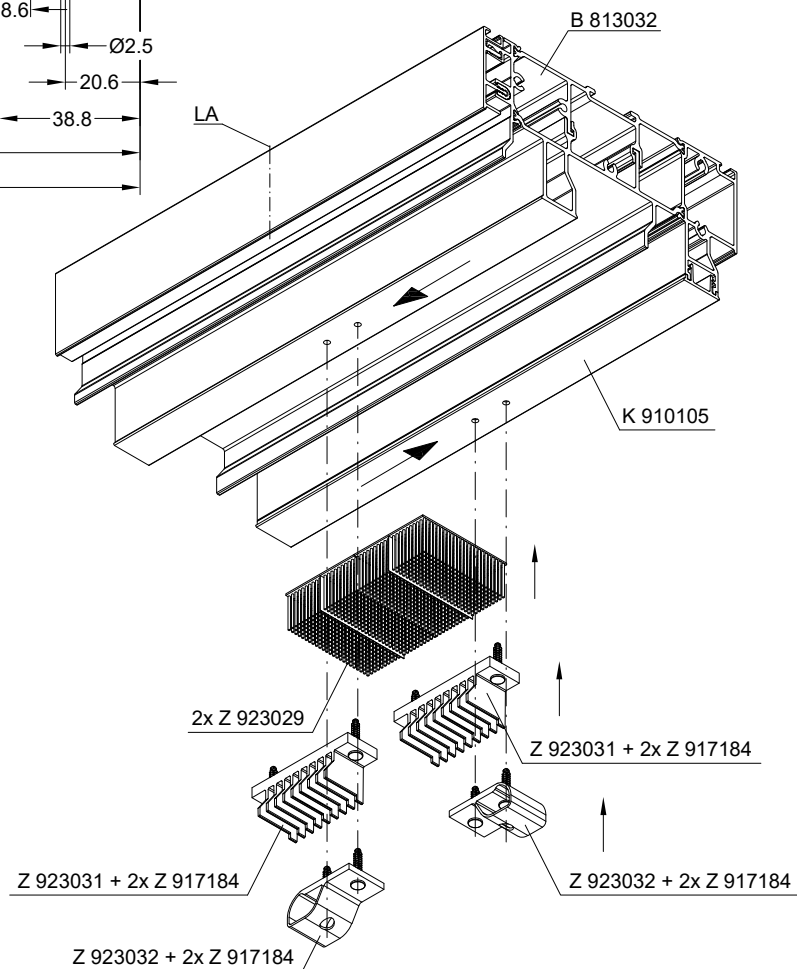
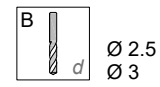
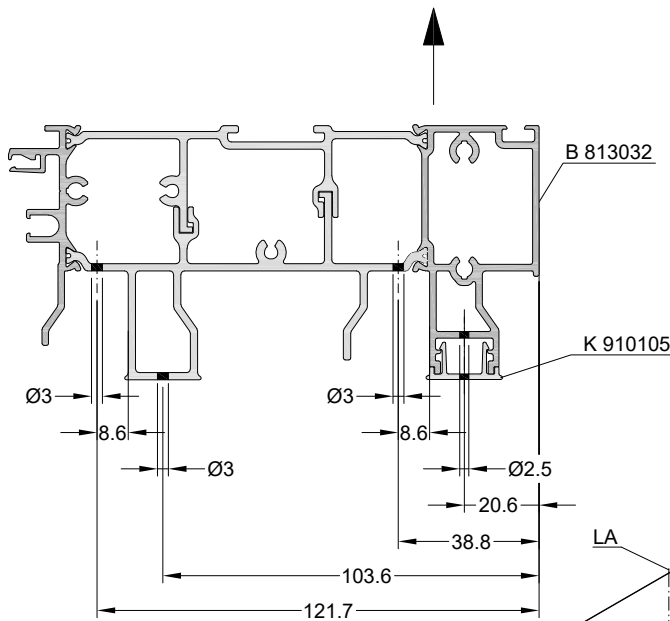


Schema D1 dargestellt
Schema D1 shown



Schema D2 spiegelbildlich
Schema D2 mirror-inverted

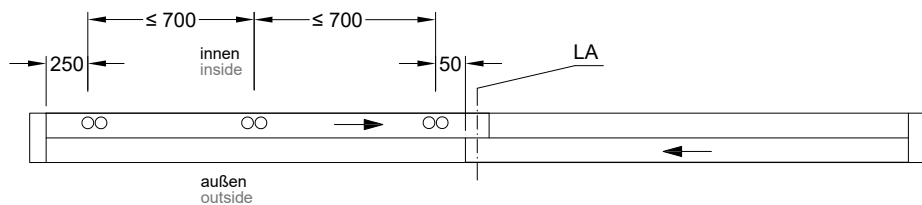
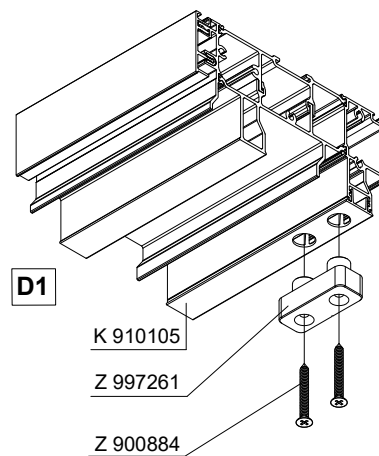
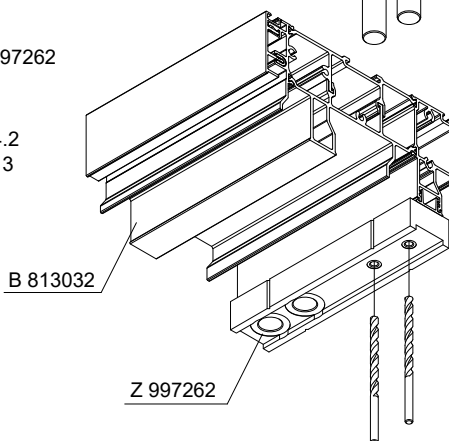
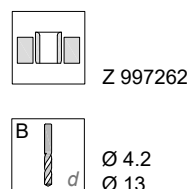
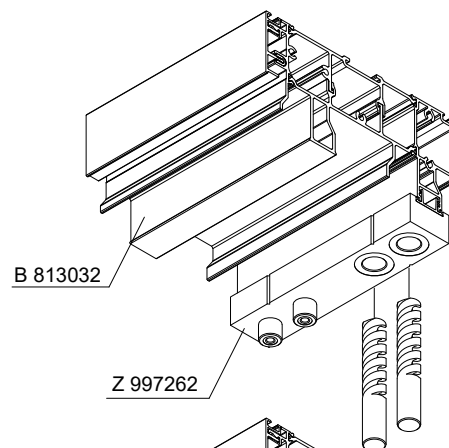
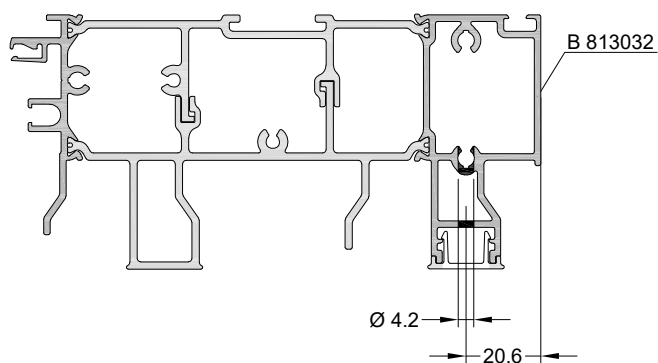
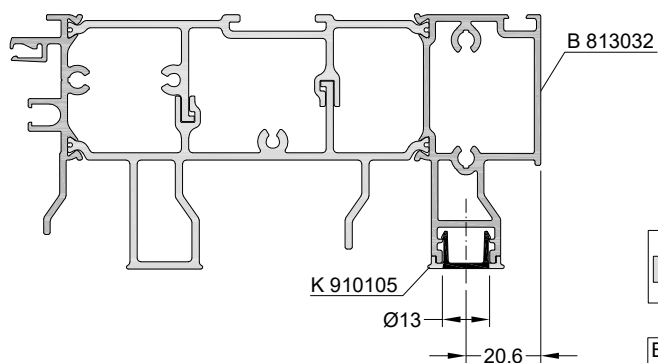
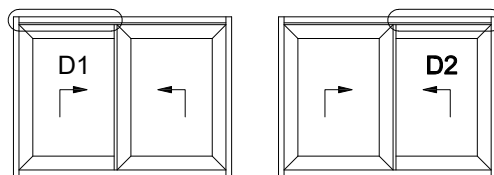
	A	B	C	D
B 813234	7	11	24	24
B 813235	7	11	24	24
B 813232	13	5	30	18
B 813233	13	5	30	18



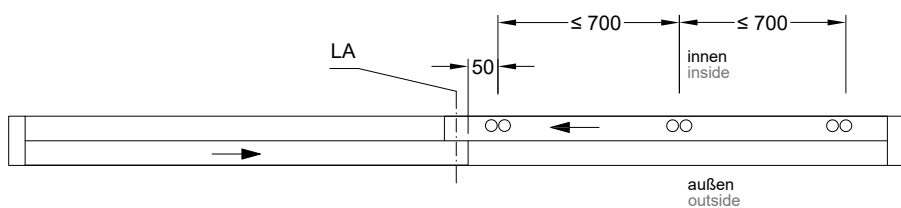
WINDSICHERUNG
 WIND PROTECTION

Nur bei Windlasten ab 2000 Pa erforderlich
 required for wind loads from 2000 Pa only

B 813032 + K 910105



D1

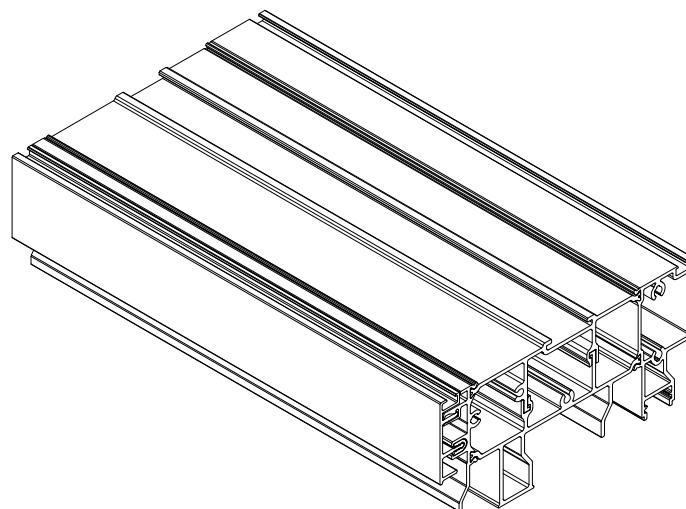
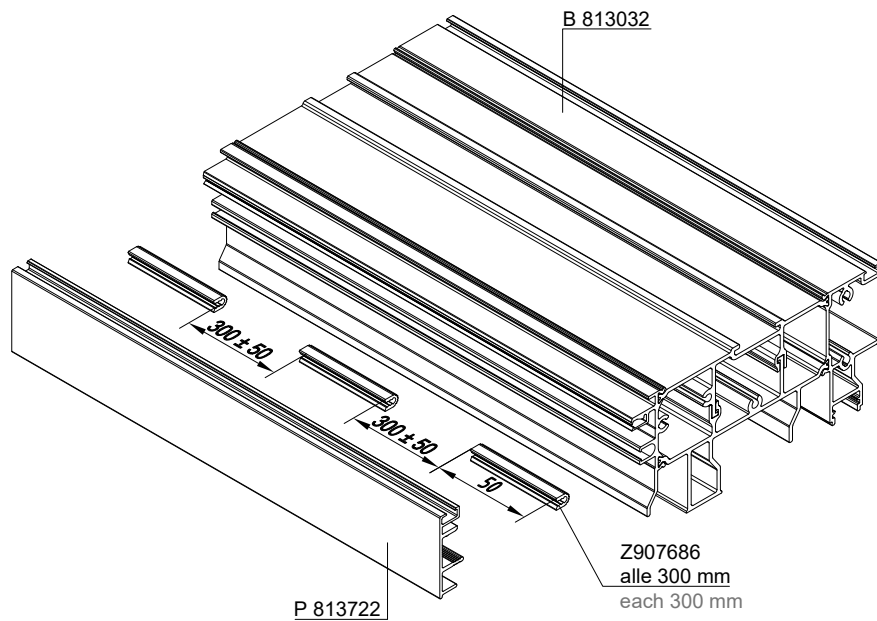
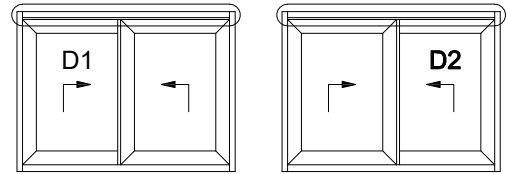


D2

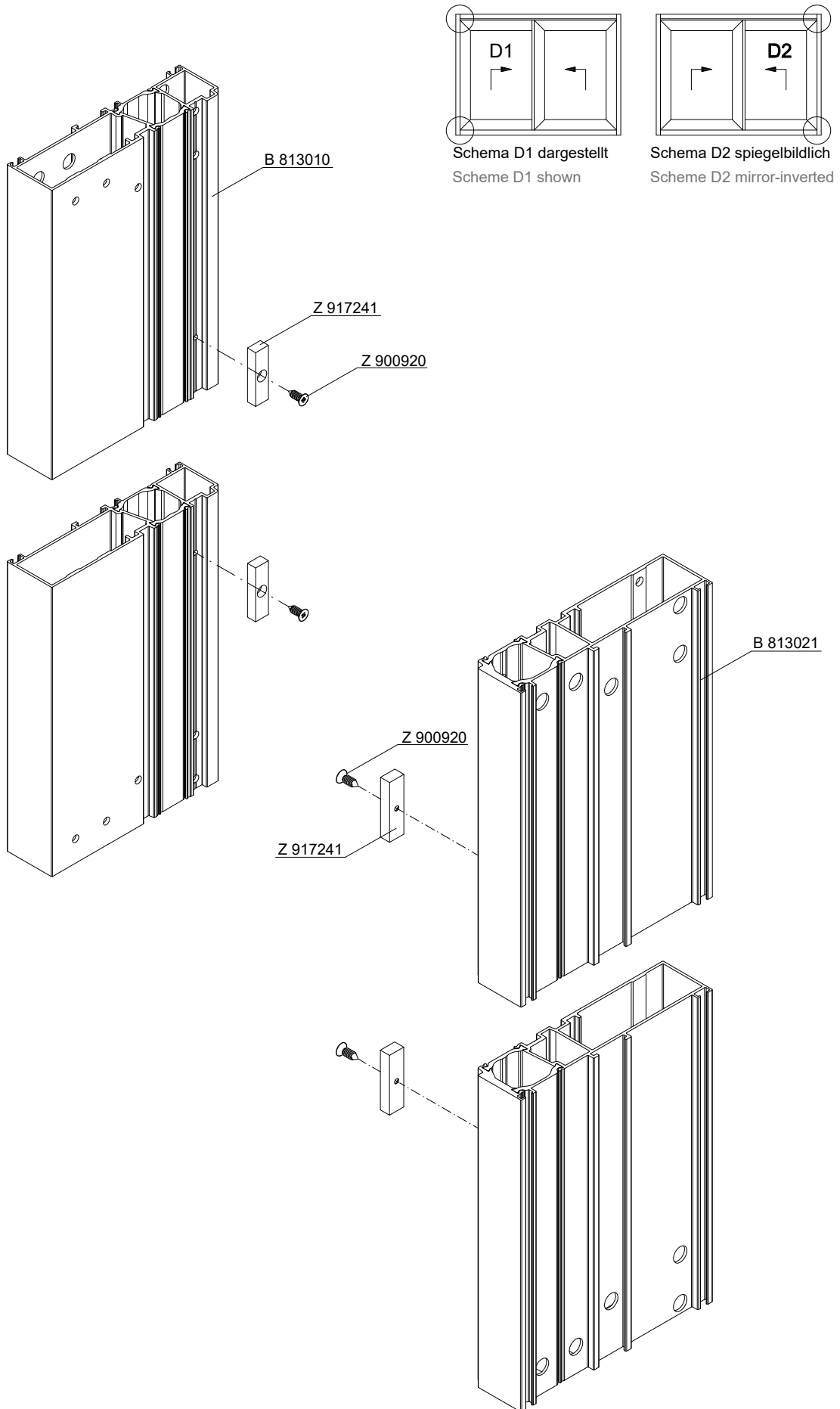
∅ ∅ Bohrung Ø13 / Ø4.3

∅ ∅ drill hole Ø13 / Ø4.3

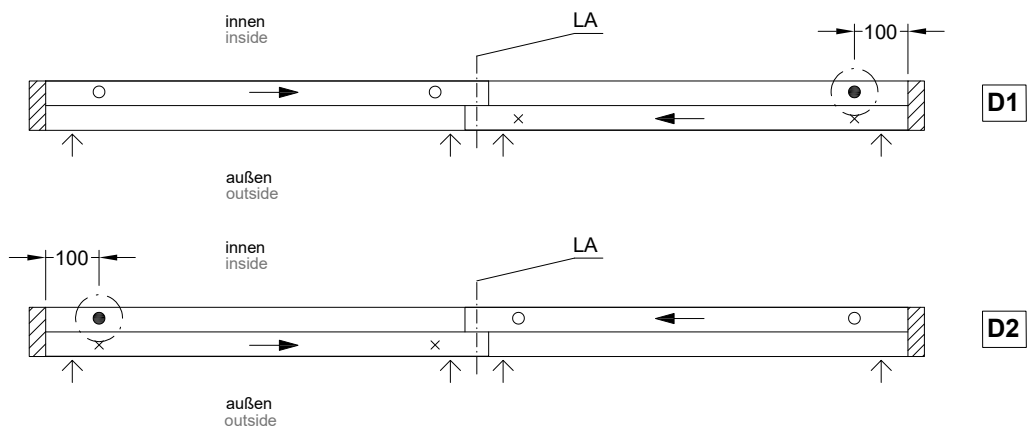
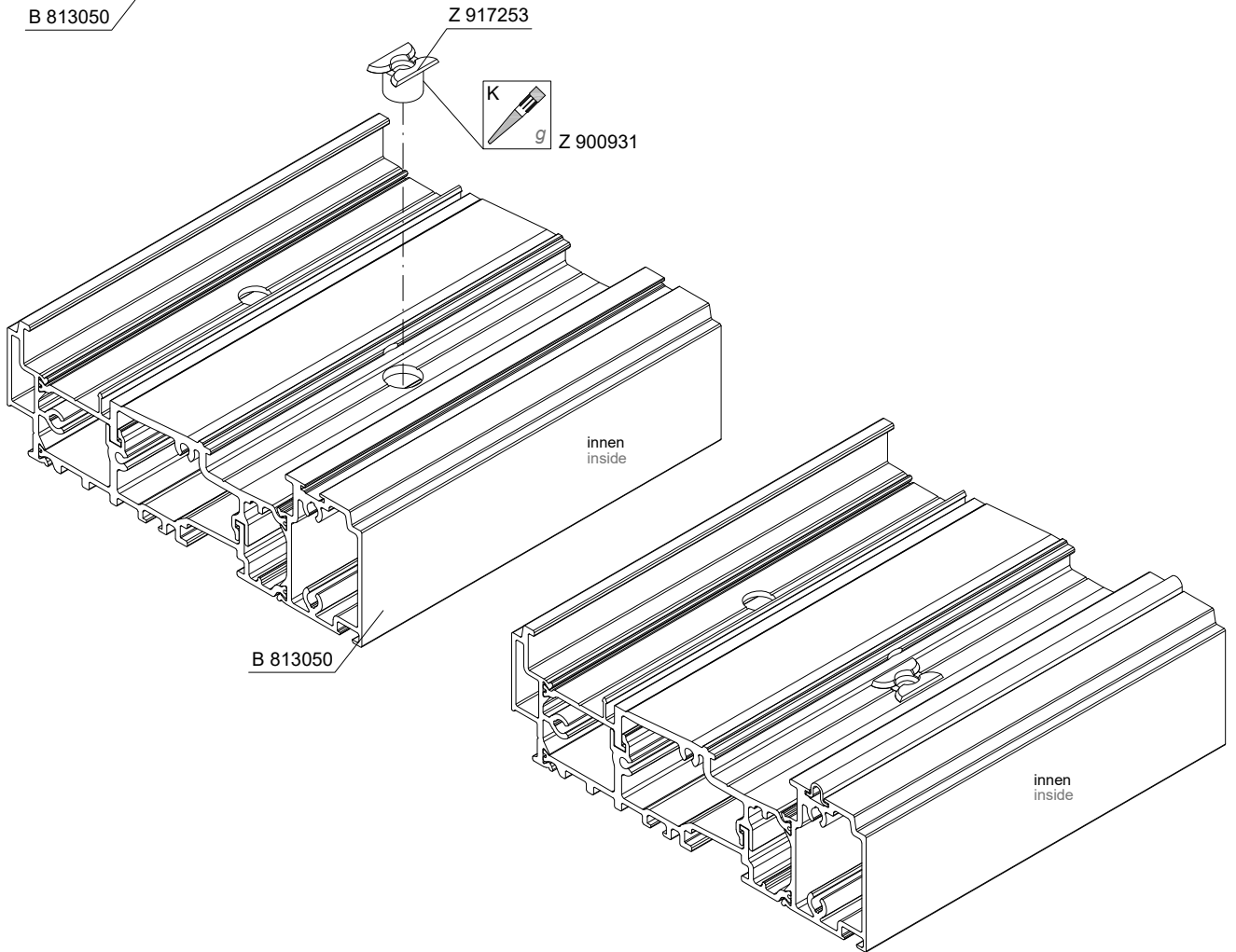
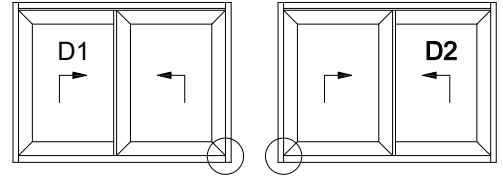
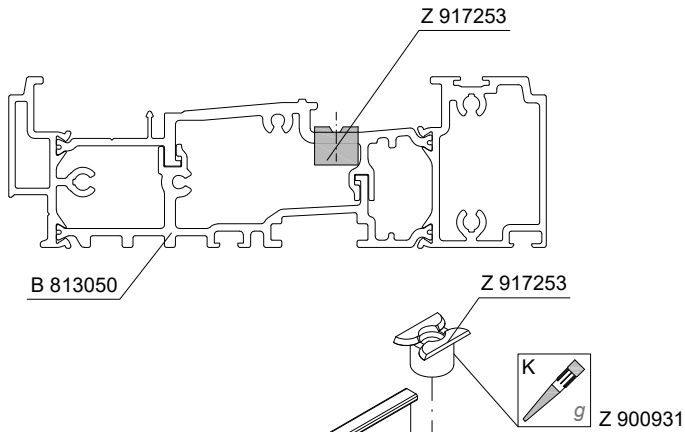
MONTAGE • ZUSATZPROFIL / BELÜFTUNG
ASSEMBLY • SUPPLEMENTARY PROFILE / VENTILATION



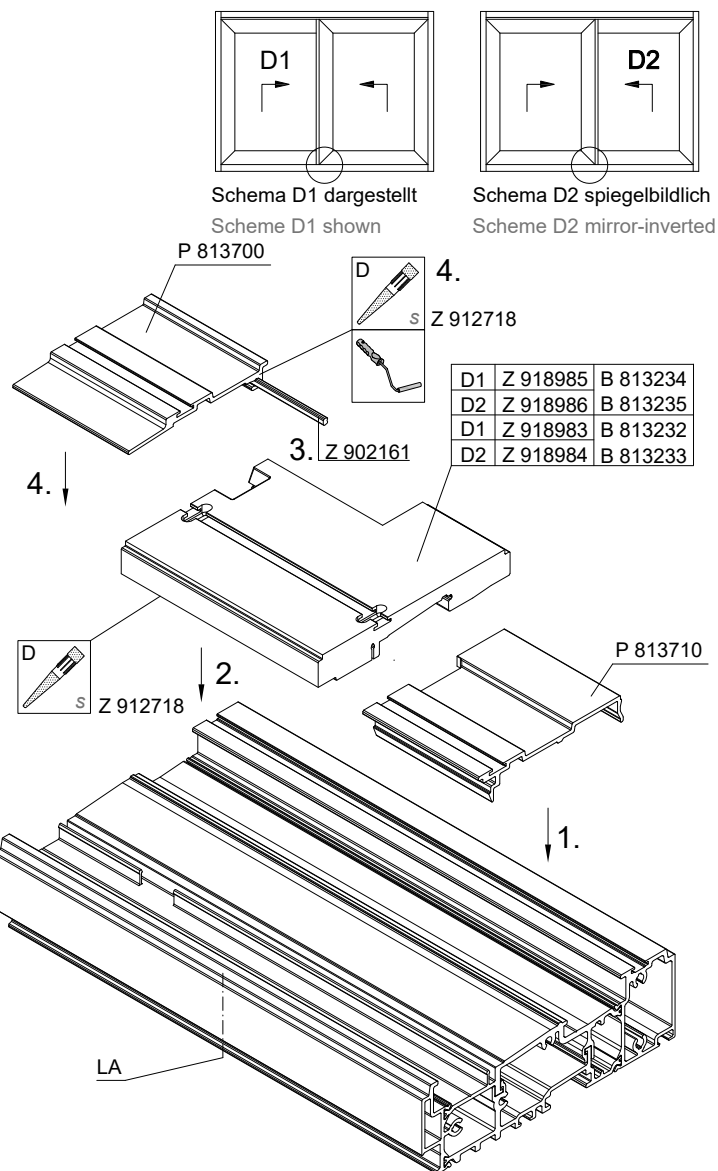
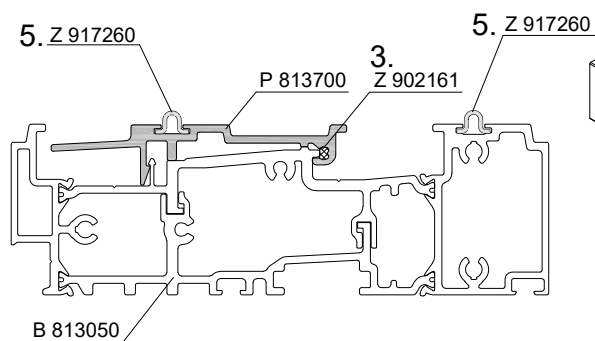
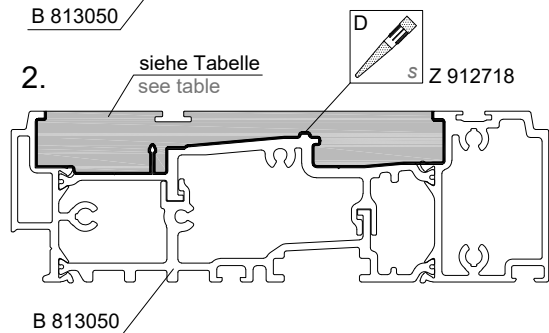
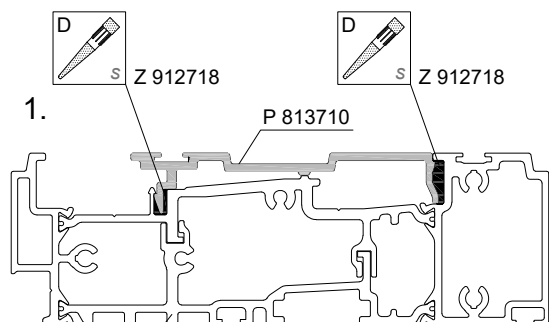
MONTAGE • ANSCHLAGPUFFER
ASSEMBLY • STOP BUFFER



MONTAGE • BELÜFTUNG / ENTWÄSSERUNG
 ASSEMBLY • VENTILATION / DRAINAGE



MONTAGE • LABYRINTHBEREICH
 ASSEMBLY • LABYRINTH AREA

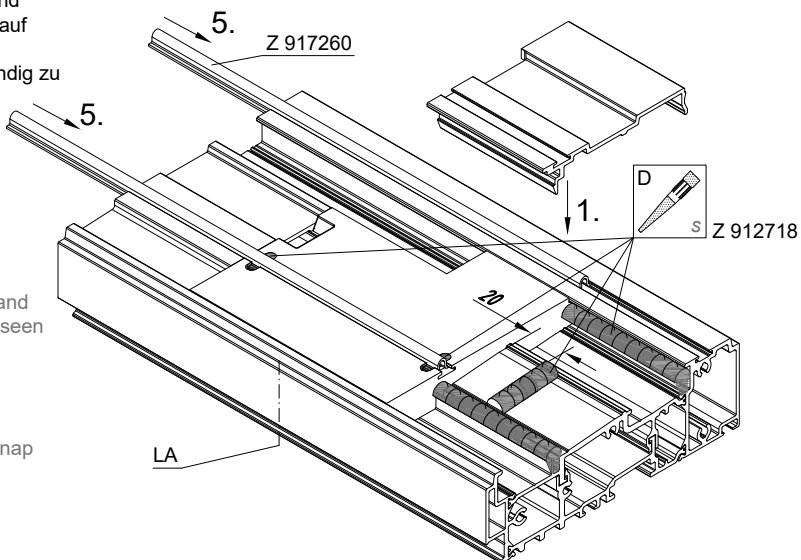


Bearbeitungsschritte Schema D

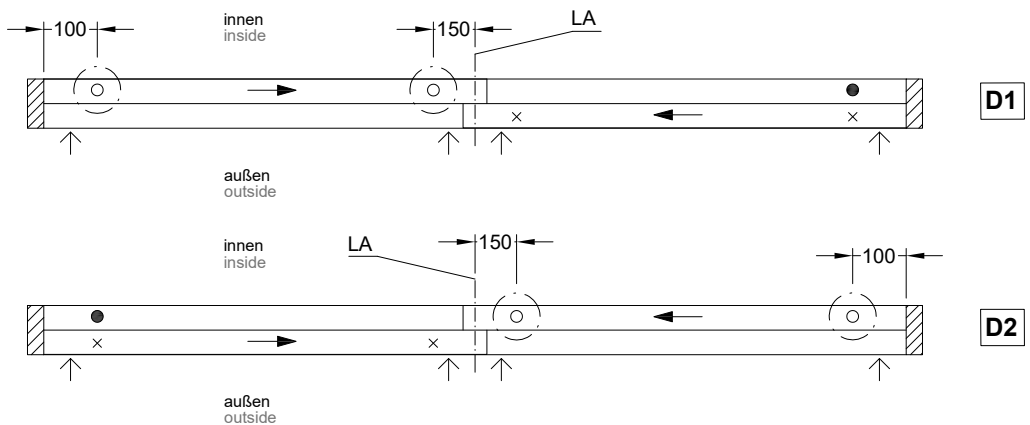
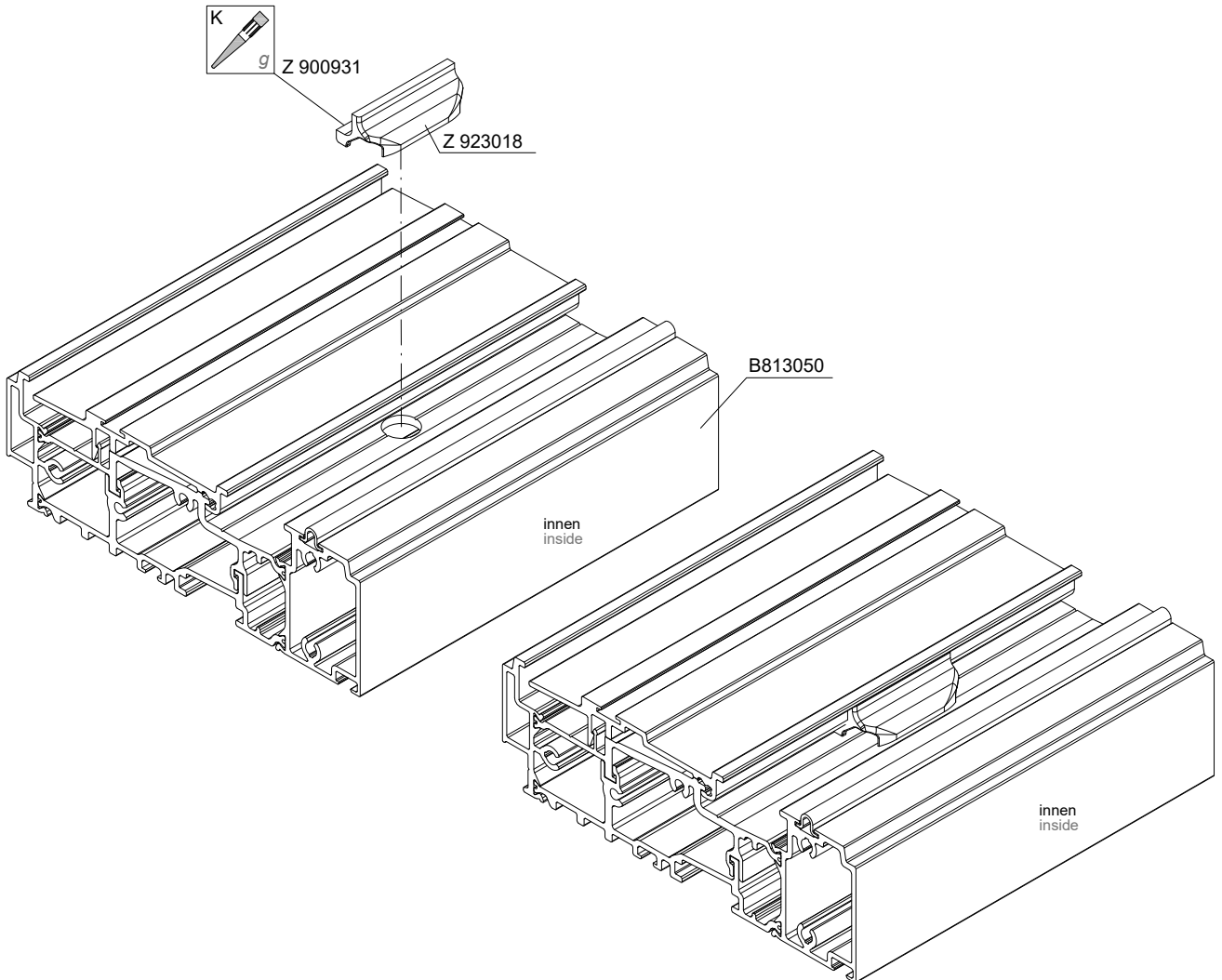
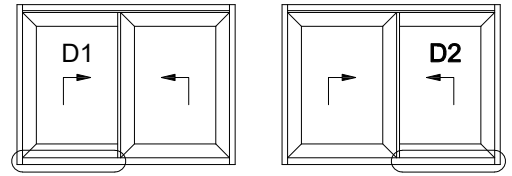
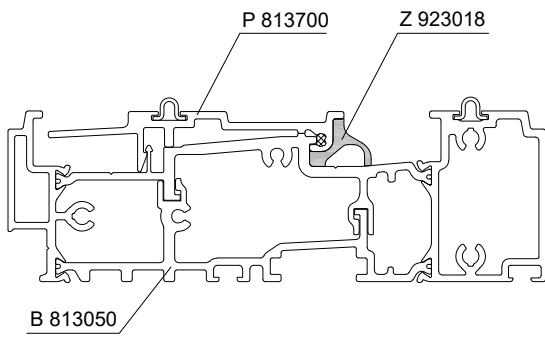
1. Dichtstoff auf Blendrahmen B 813050 aufbringen und Profil P 813710 von außen gesehen rechts bündig auf B 813050 einklipsen
2. Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu P 813710 einsetzen
3. Dichtungsgrundsnur Z 902161 in Profil P 813700 einziehen
4. Dichtstoff auf Profil P 813700 aufbringen und Profil P 813700 bündig zum Dichtungsformteil einklipsen
5. Laufschiene Z 917260 einschieben und abdichten

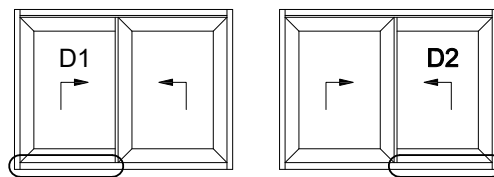
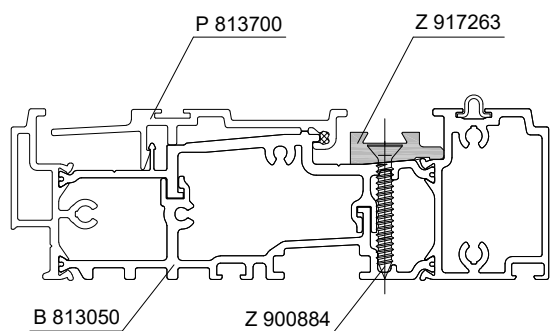
Processing steps scheme D

1. Apply sealing compound on fixed frame B 813050 and snap on P 813710 flush with B 813050 (right side, seen from the outside)
2. Fix the shaped gasket piece (see table) with sealing compound flush to P 813710
3. Insert gasket cord Z 902161 in profile P 813700
4. Apply sealing compound on profile P 813700 and snap on P 813700 flush with shaped gasket piece
5. Slide in rail Z 917260 and insert sealing compound

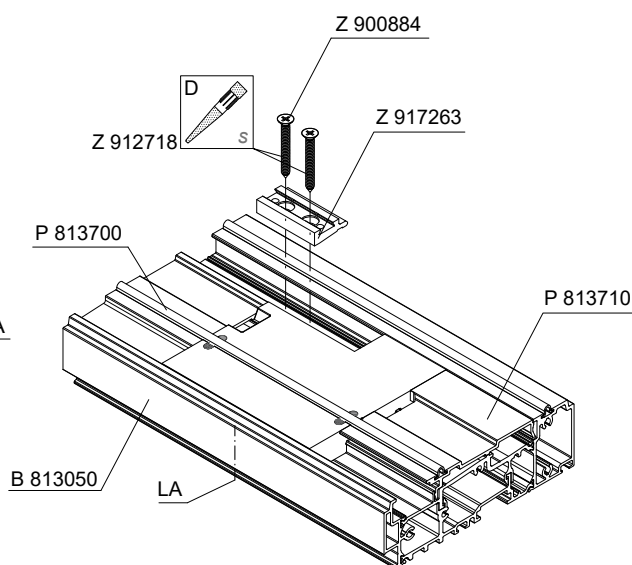
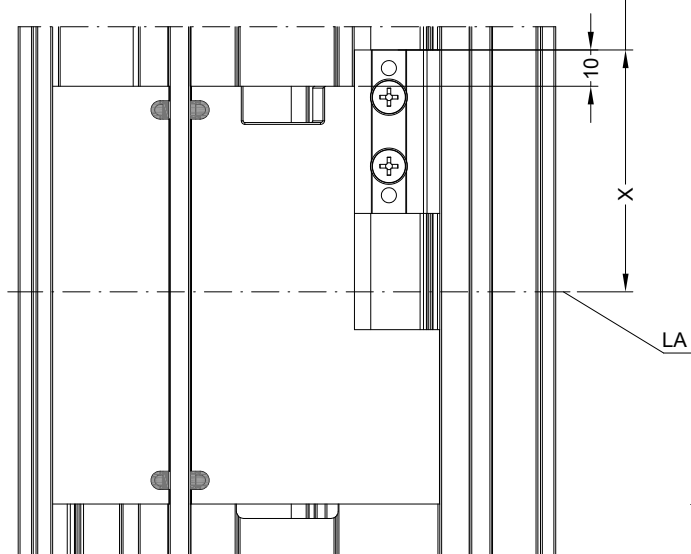


MONTAGE • BELÜFTUNG / ENTWÄSSERUNG
 ASSEMBLY • VENTILATION / DRAINAGE





D1	Z 918985	B 813234	x = 67.5
D2	Z 918986	B 813235	
D1	Z 918983	B 813232	x = 61.2
D2	Z 918984	B 813233	

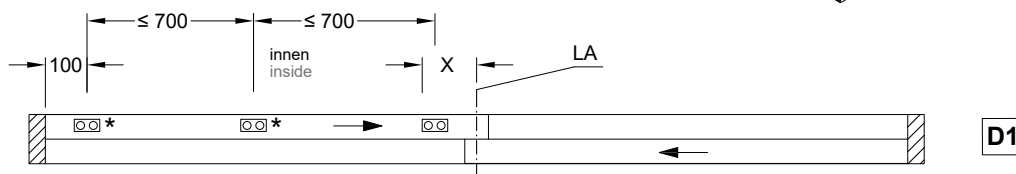
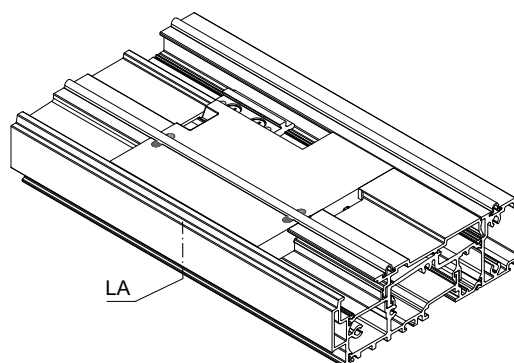


Bearbeitungsschritte Schema D1

1. Unterteil Z 917263 in Profil B 813050 einsetzen
2. Mit Senkblechschrauben Z 900884 ohne vorbohren verschrauben.

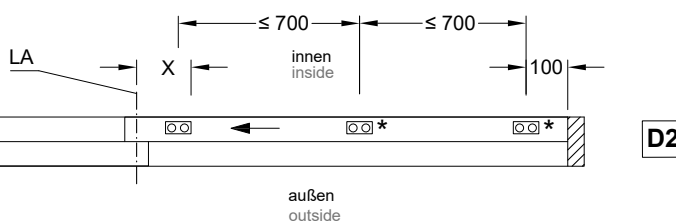
Processing steps scheme D1

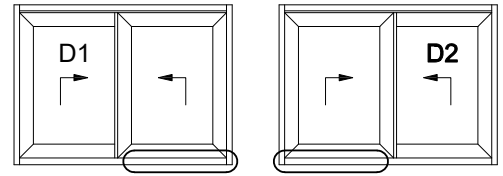
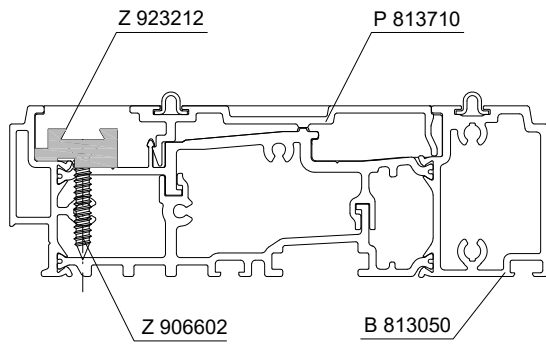
1. Insert base part Z 917263 into profile B 813050
2. Fix it with countersunk self-tapping screw Z 900884 without pre-drilling



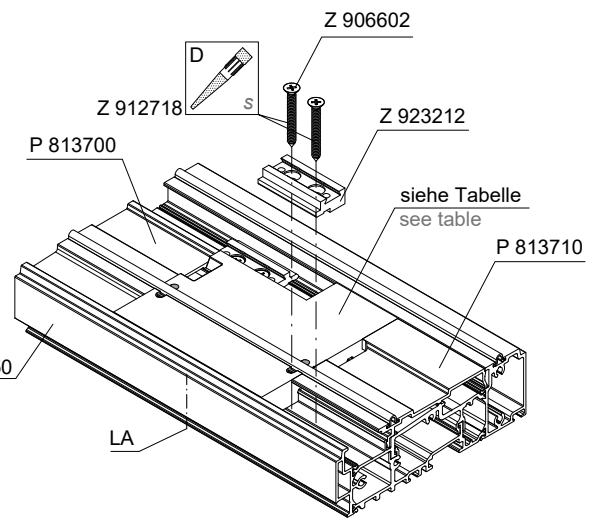
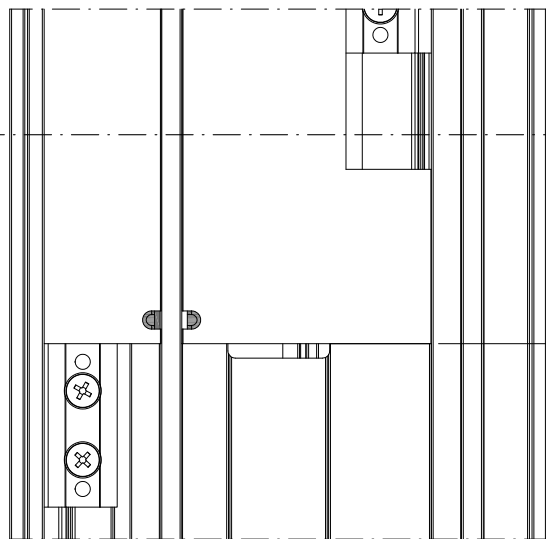
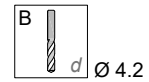
* Verwendung weiterer Zusatzverriegelungen
 nur bei Windlasten ab 2000 Pa erforderlich

* Use of further additional locking systems
 only required for wind loads from 2000 Pa





D1	Z 918985	B 813234	Y = 57.5
D2	Z 918986	B 813235	
D1	Z 918983	B 813232	Y = 51.2
D2	Z 918984	B 813233	

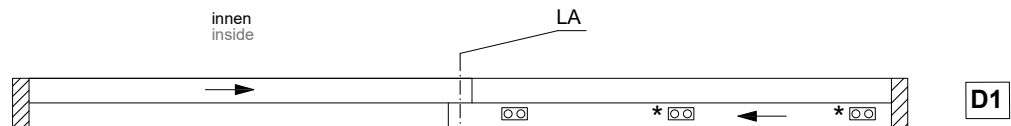
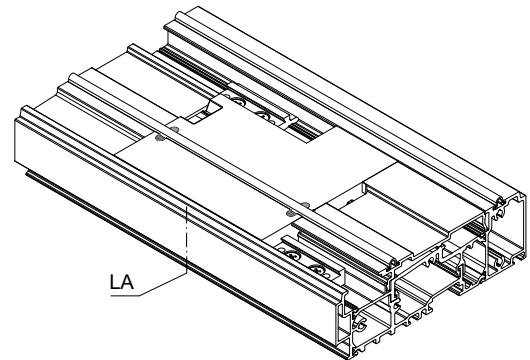


Bearbeitungsschritte Schema D1

1. Unterteil Z 923212 in Profil B 813050 einsetzen
2. Mit $\varnothing 4.2$ vorbohren
3. Mit Senkblechschrauben Z 906602 verschrauben

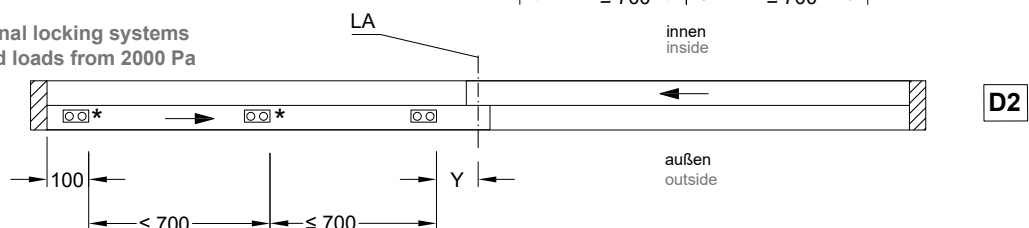
Processing steps scheme D1

1. Insert base part Z 923212 into profile B 813050
2. Pre-drill with $\varnothing 4.2$
3. Fix it with screws Z 906602

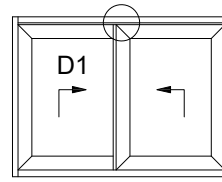
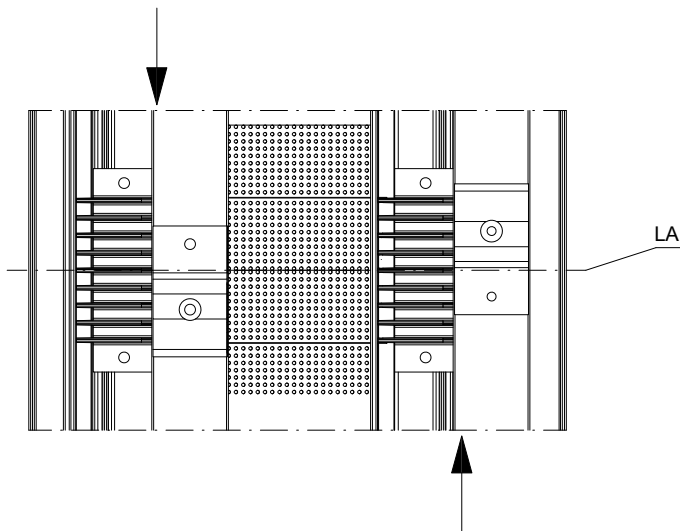


* Verwendung weiterer Zusatzverriegelungen nur bei Windlasten ab 2000 Pa erforderlich

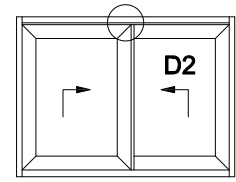
* Use of further additional locking systems only required for wind loads from 2000 Pa



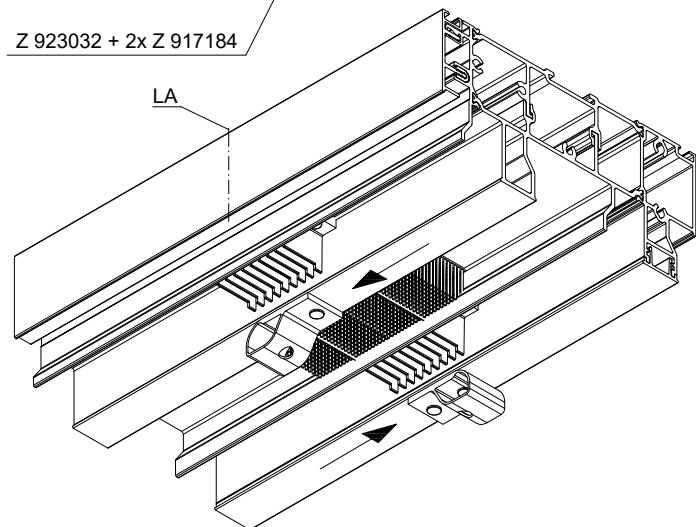
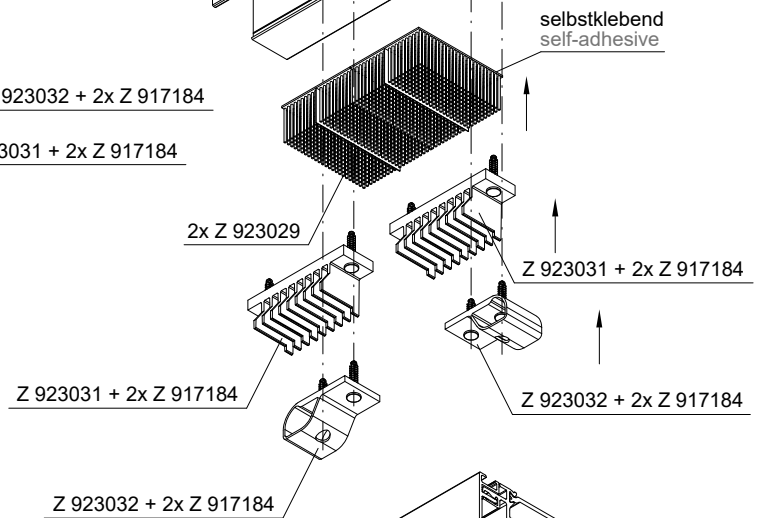
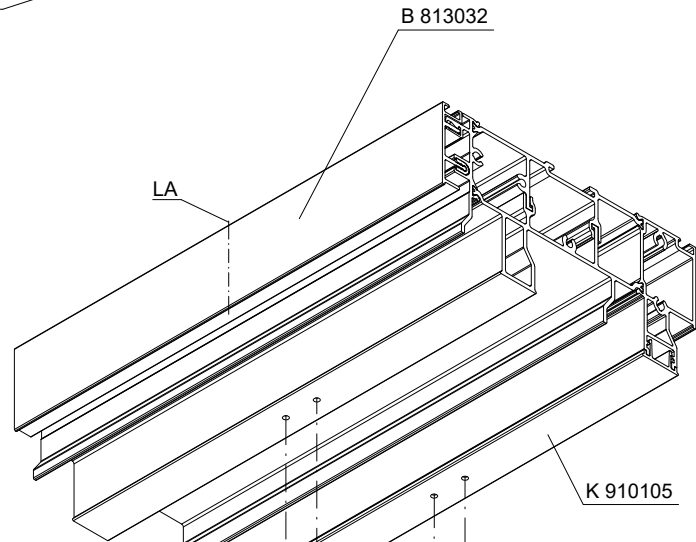
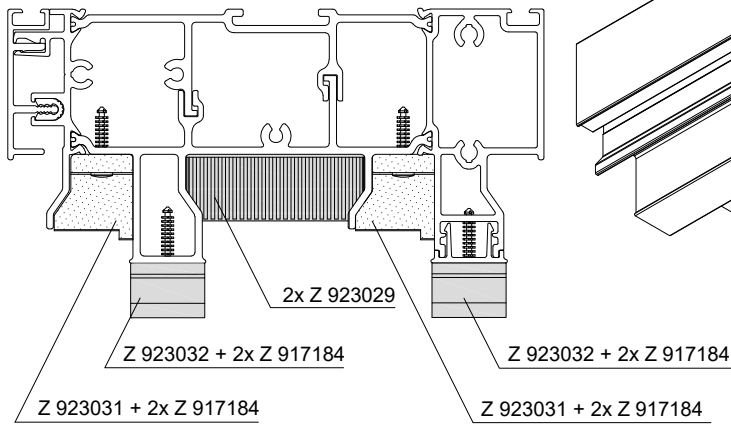
MONTAGE • DICHTFORMTEILE
 ASSEMBLY • SHAPED GASKET PIECES



Schema D1 dargestellt
 Schema D1 shown



Schema D2 spiegelbildlich
 Schema D2 mirror-inverted



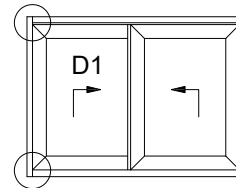
MONTAGE • ECKVERBINDUNGEN
ASSEMBLY • CORNER CONNECTIONS

Bearbeitungsschritte Schema D1

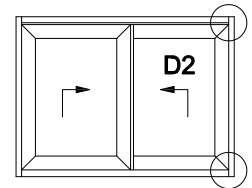
1. Dämmkern in Blendrahmen B 813010 und B 813021 einschieben (optional)
2. Dichtstoff auf Dichtformteile und Blendrahmen aufbringen und Dichtformteile einlegen
3. Profile rechtwinklig ausrichten
4. Profile mit Schrauben Z 923094 verschrauben

Processing steps Scheme D1

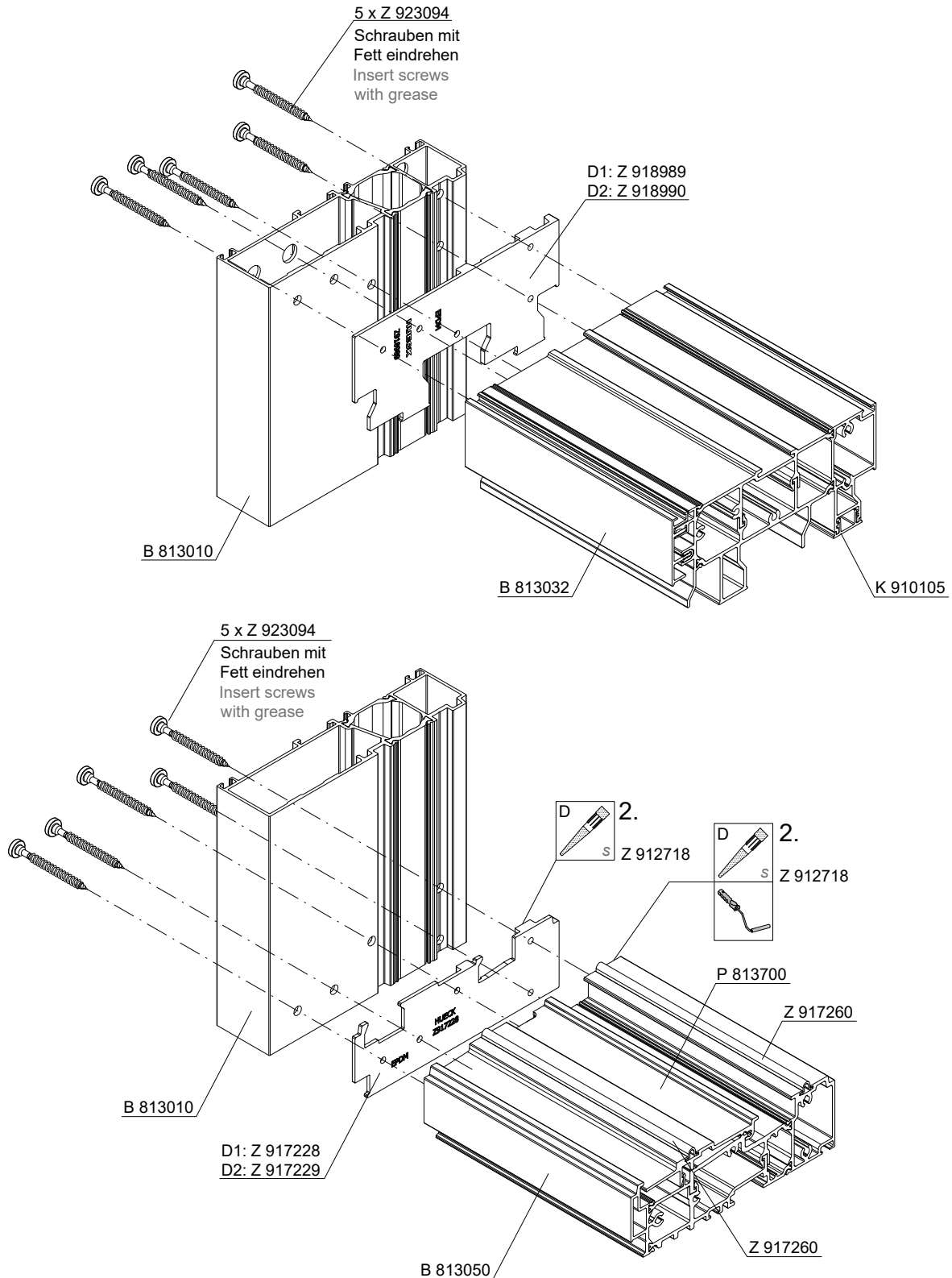
1. Insert insulating core into fixed frame B 813010 and B 813021 (optionally)
2. Apply sealing compound on the shaped gasket pieces and fixed frame and assemble the shaped gasket pieces
3. Adjust the profiles rectangular
4. Fix the profiles with screws Z 923094

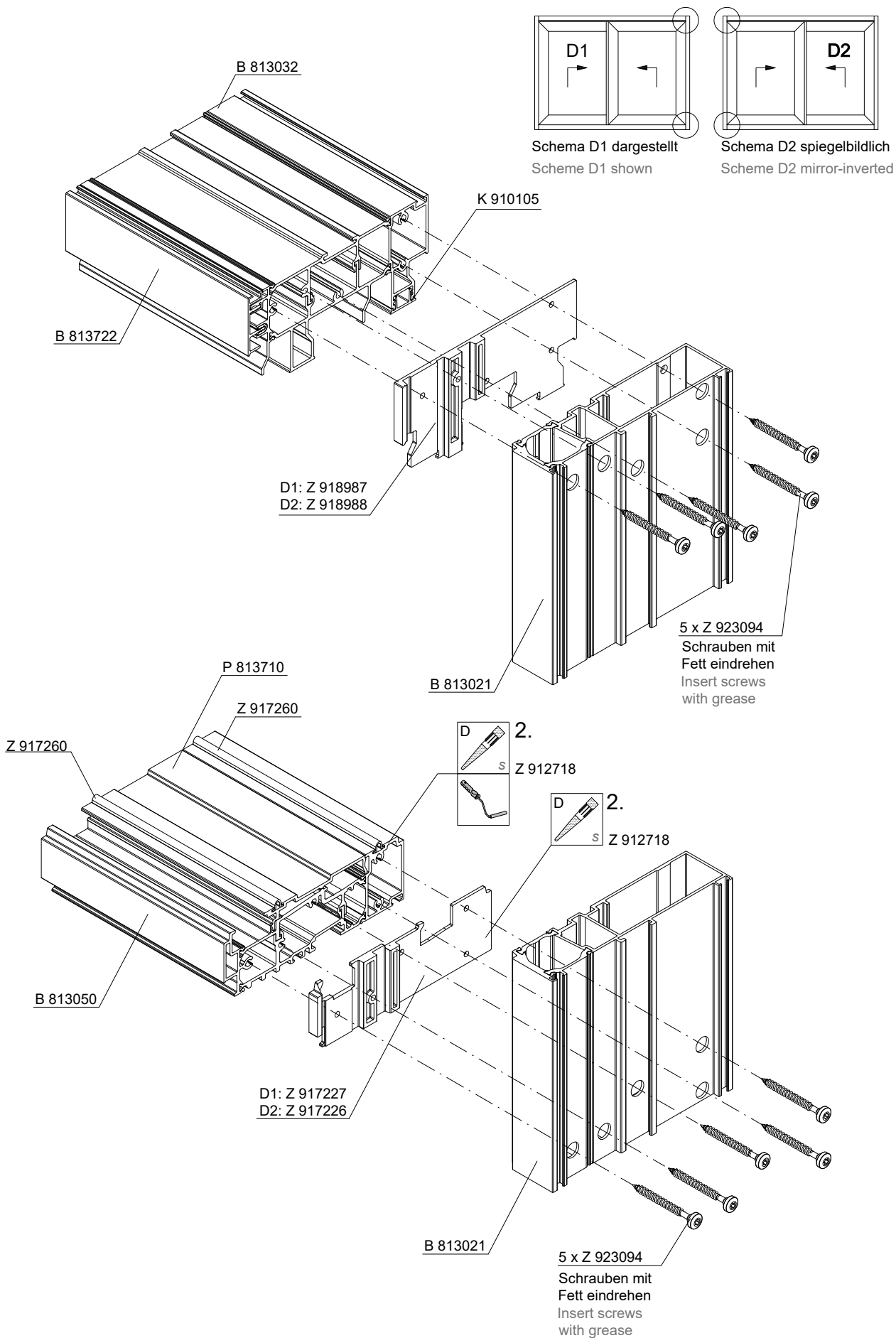


Schema D1 dargestellt
Scheme D1 shown

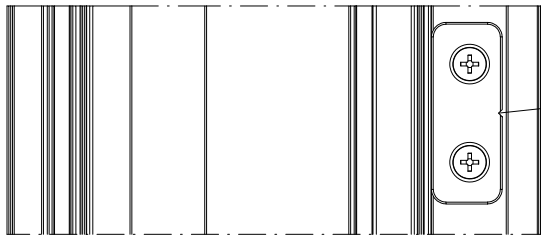


Schema D2 spiegelbildlich
Scheme D2 mirror-inverted

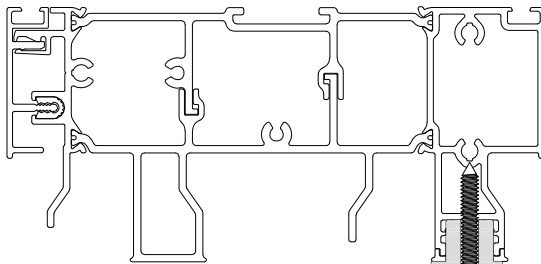
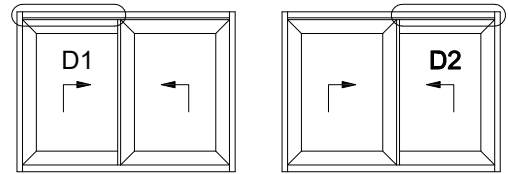




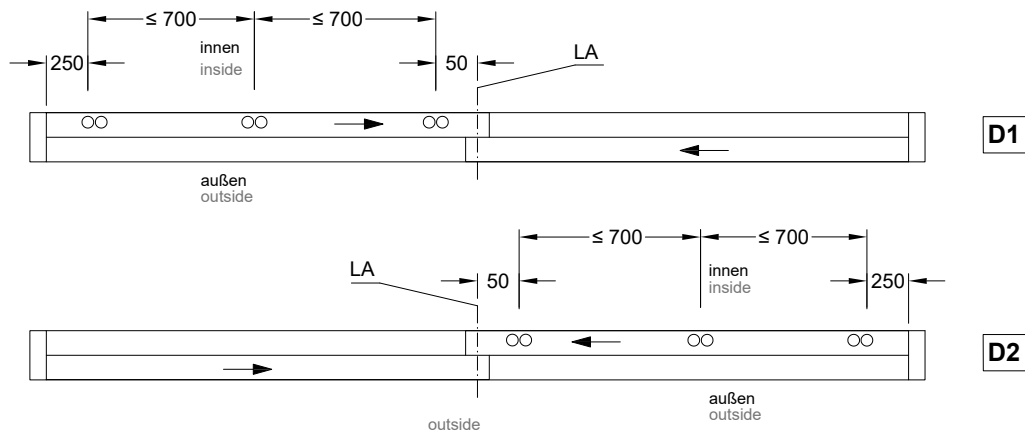
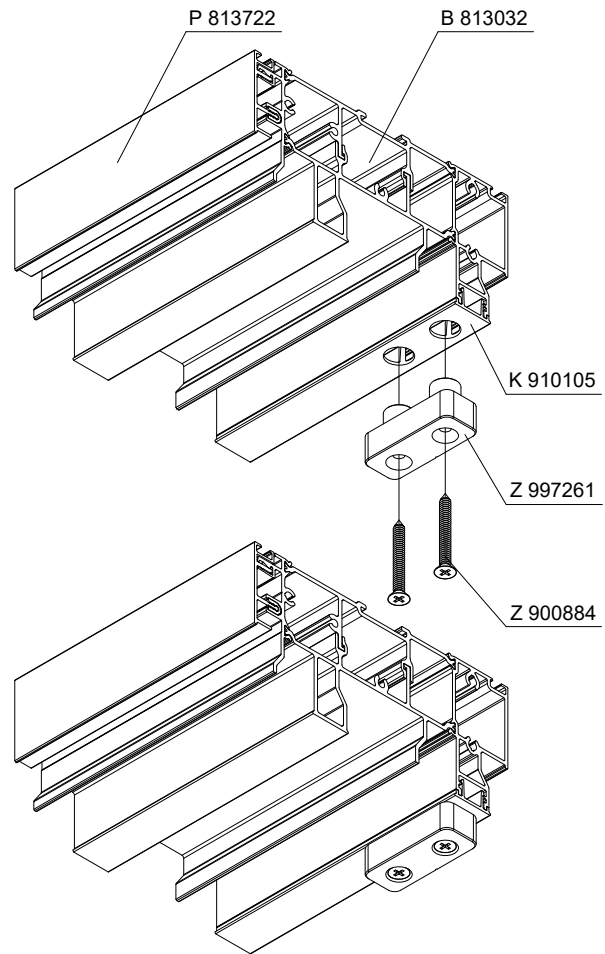
Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



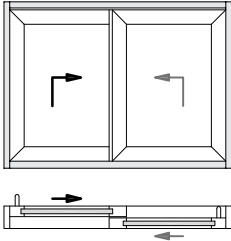
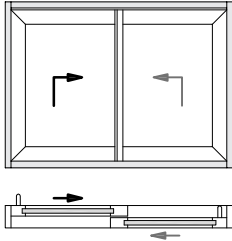
Asymmetrisches Bauteil
 Markierung muss nach innen zeigen
 Asymmetrical component
 Mark must point inward


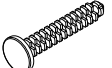
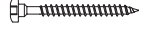
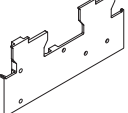

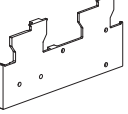

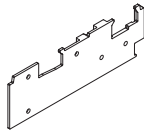

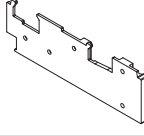
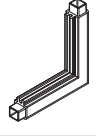
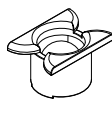
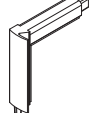
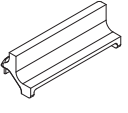
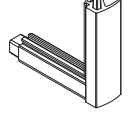
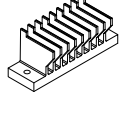
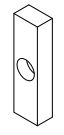



Z 997261 + 2x Z 900884

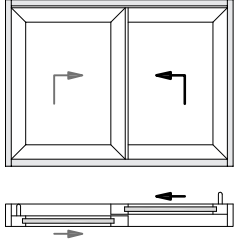
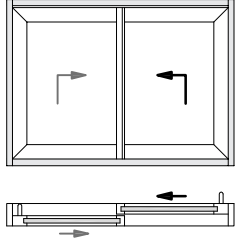



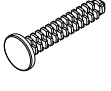

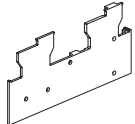

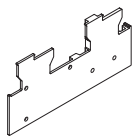
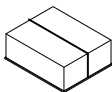
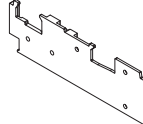

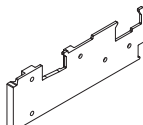
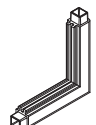
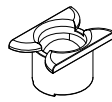
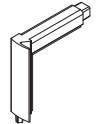
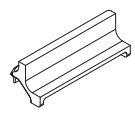
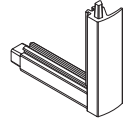
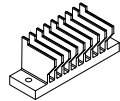

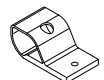
ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME

BLENDRAHMEN FIXED FRAME			
Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
D1			<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach links öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the left</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity				
Z 997657		Z 900920	4		Z 917184	8		
		Z 923094	20					
		Z 918989	1		Z 923030	4		
		Z 918987	1		Z 923029	2		
		Z 917227	1		Z 917634	25		
		Z 917228	1		Z 918345	4		
		Z 917253	1		Z 918493	2		
		Z 923018	2		Z 918494	2		
		Z 923031	2		Z 917241	4		
		Z 923032	2					

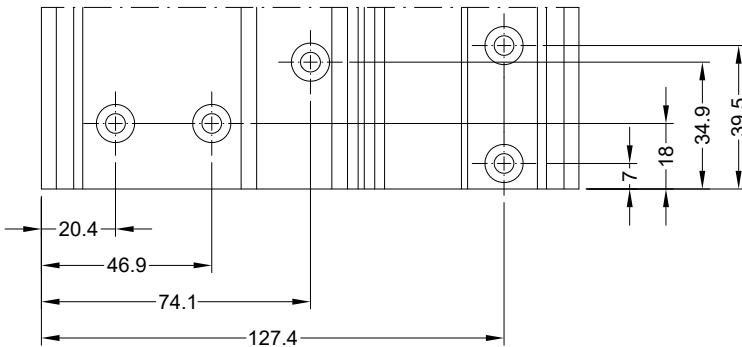
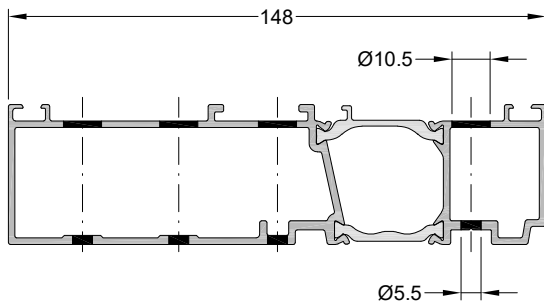
ZUBEHÖRSÄTZE • BLENDRAHMEN
 ACCESSORY SETS • FIXED FRAME

BLENDRAHMEN FIXED FRAME			
Schema Scheme	Breites Labyrinth Wide labyrinth	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
D2			<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach rechts öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the right</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity				
Z 997658	 Z 900920	4		Z 917184	8			
	 Z 923094	20						
	 Z 918990	1		Z 923030	4			
	 Z 918988	1		Z 923029	2			
	 Z 917226	1	 Z 917634	Z 917634	25			
	 Z 917229	1		Z 918345	4			
	 Z 917253	1		Z 918493	2			
	 Z 923018	2		Z 918494	2			
	 Z 923031	2		Z 917241	4			
	 Z 923032	2						

ECKVERBINDUNGEN
 CORNER CONNECTIONS

B 813010



Ø 5.5 / Ø 10.5
 Z 917401

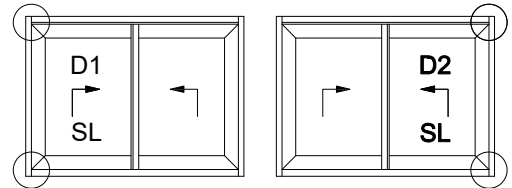
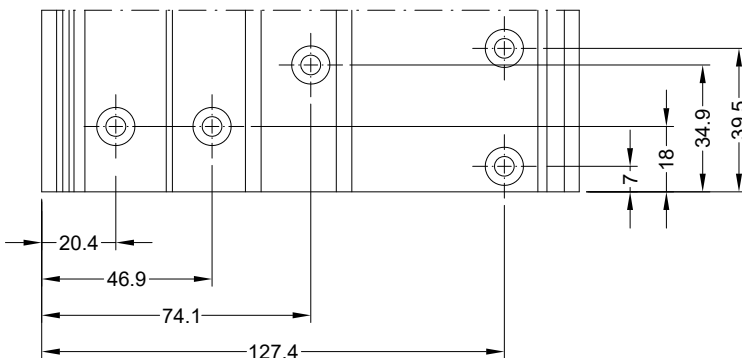
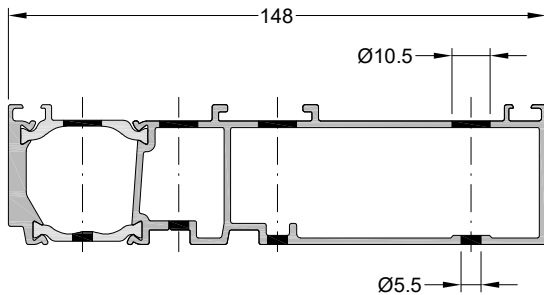


Ø 5.5 / Ø 10.5
 Z 914820

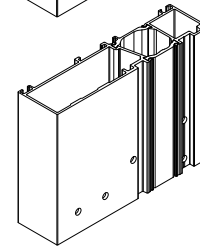
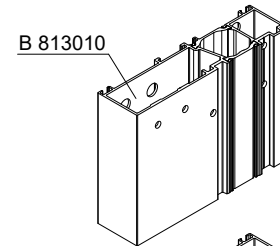


Z 996519

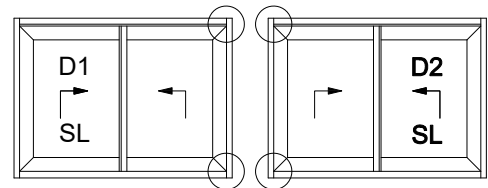
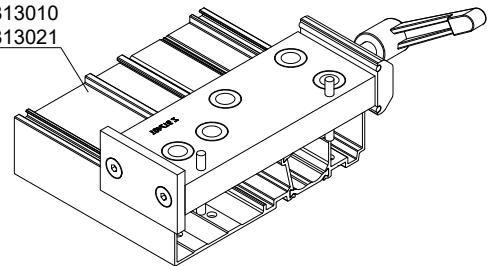
B 813021



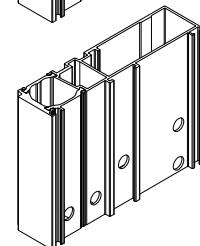
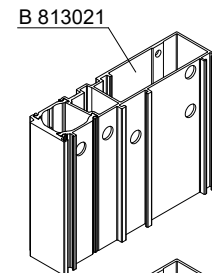
Schema D1 SL dargestellt Schema D2 SL spiegelbildlich
 Scheme D1 SL shown Scheme D2 SL mirror-inverted



B 813010
 B 813021

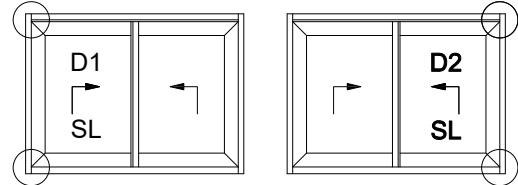
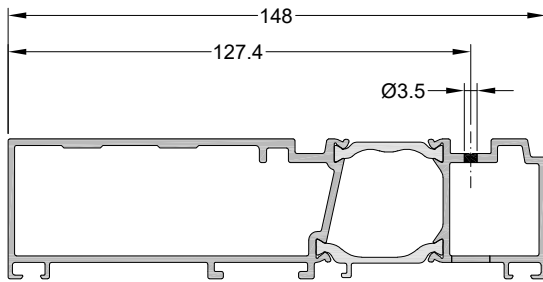


Schema D1 SL dargestellt Schema D2 SL spiegelbildlich
 Scheme D1 SL shown Scheme D2 SL mirror-inverted

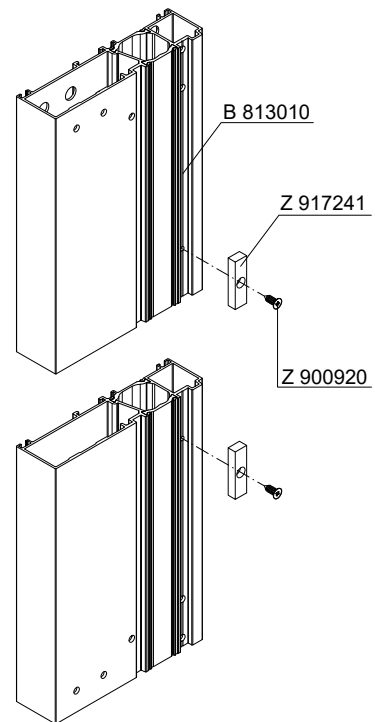
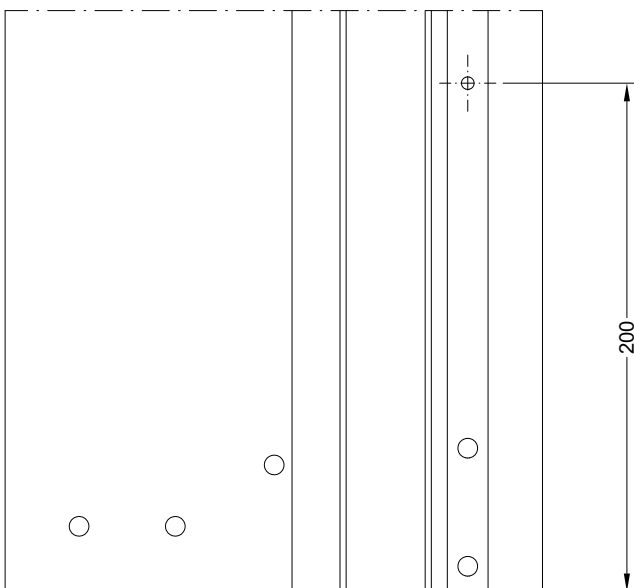
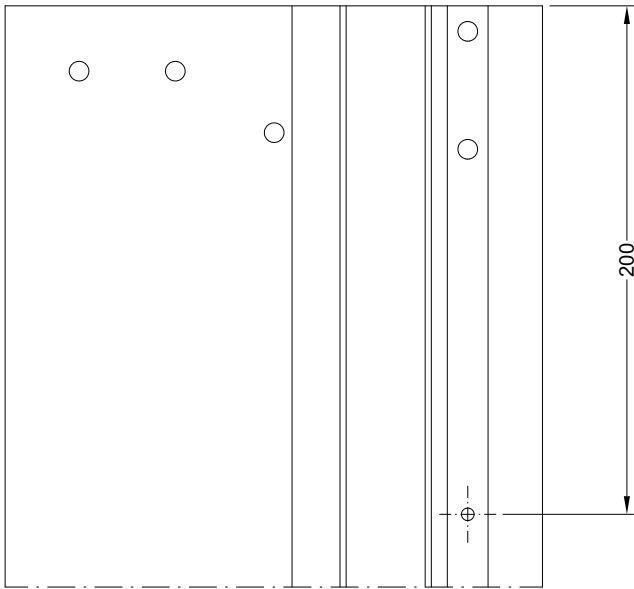
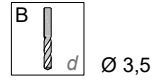


ANSCHLAGPUFFER
 STOP BUFFER

B 813010

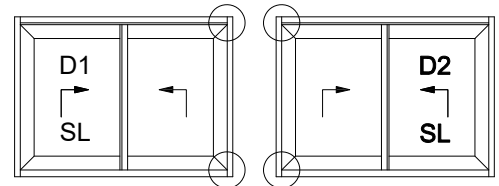
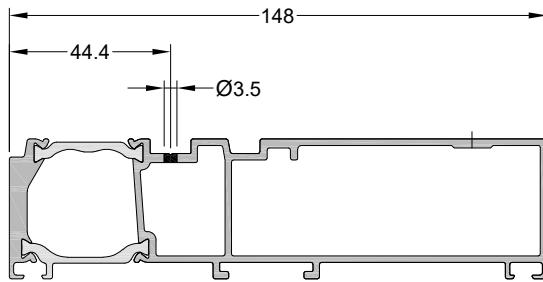


Schema D1 SL dargestellt Schema D2 SL spiegelbildlich
 Scheme D1 SL shown Scheme D2 SL mirror-inverted



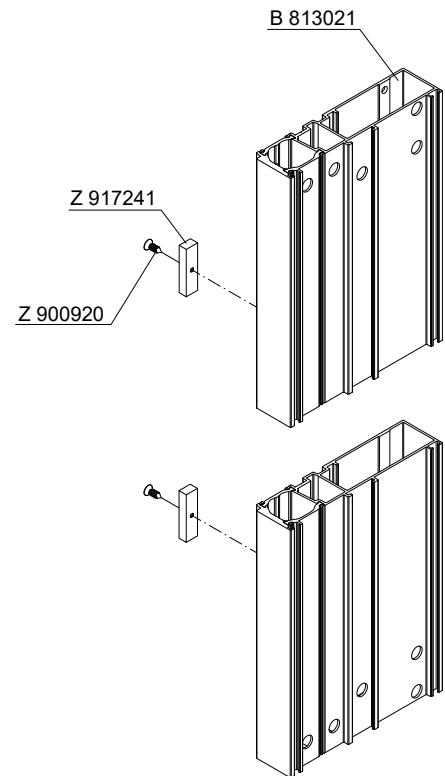
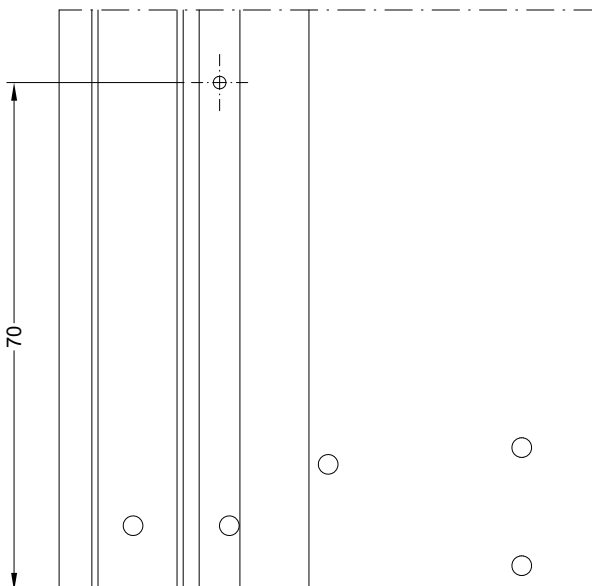
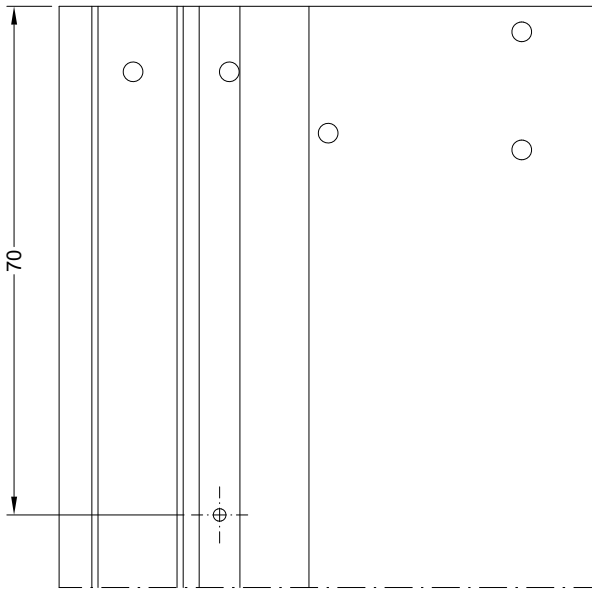
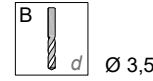
ANSCHLAGPUFFER
 STOP BUFFER

B 813021



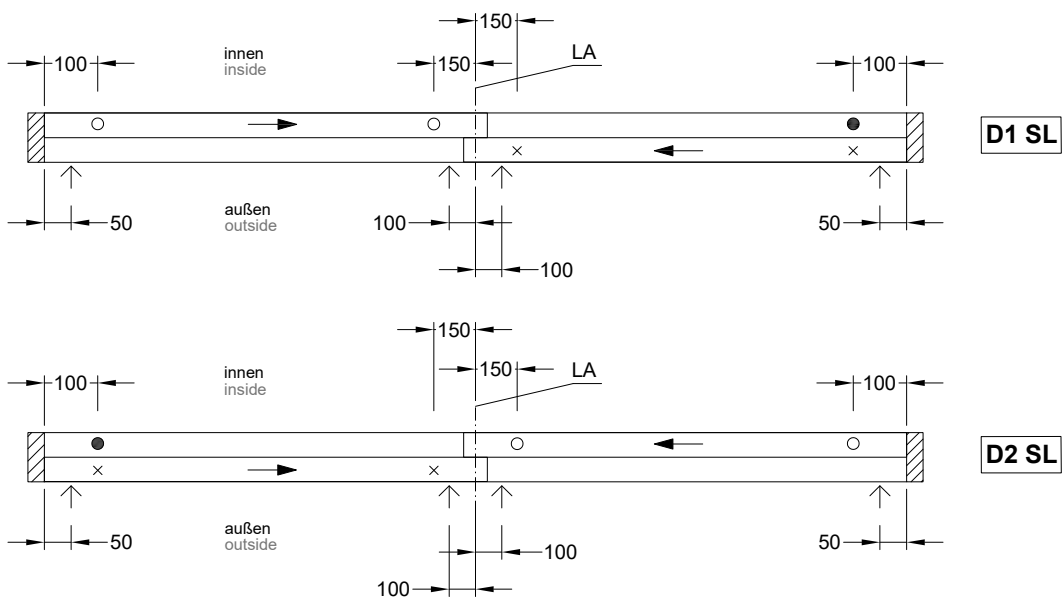
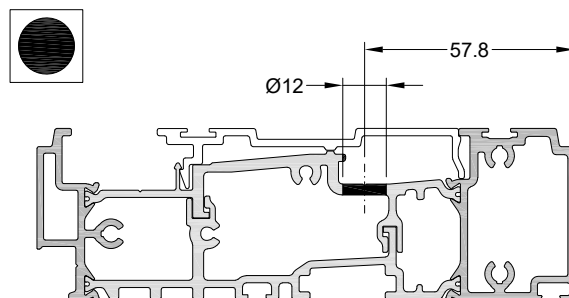
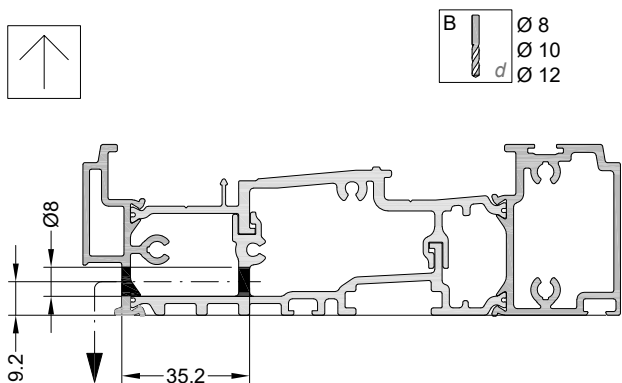
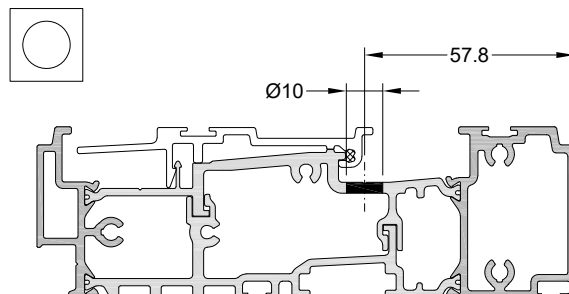
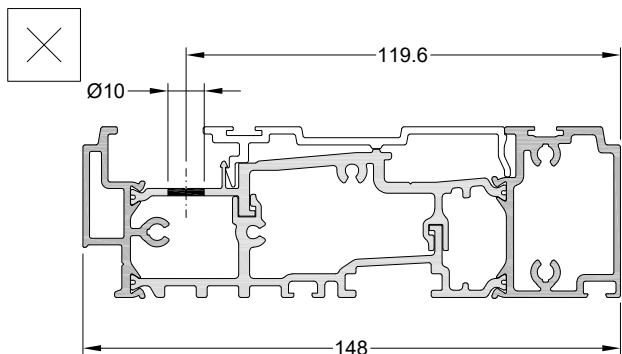
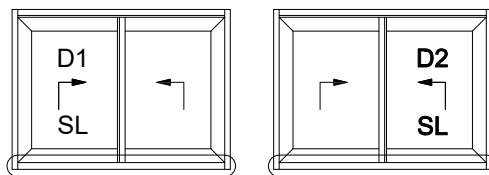
Schema D1 SL dargestellt
 Scheme D1 SL shown

Schema D2 SL spiegelbildlich
 Scheme D2 SL mirror-inverted



ENTWÄSSERUNG
 DRAINAGE

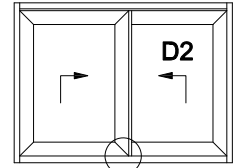
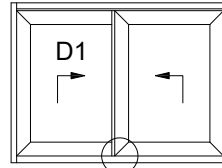
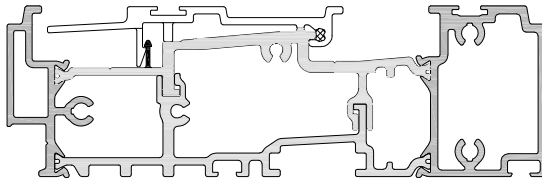
B 813050



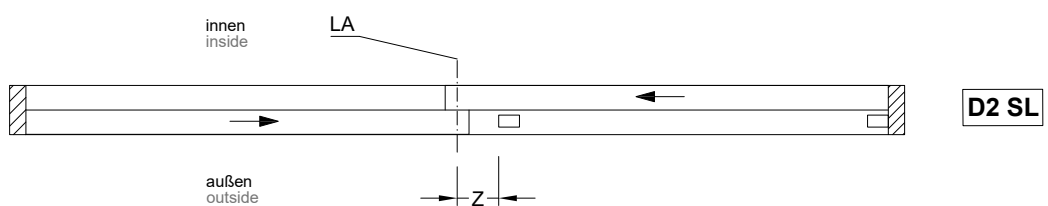
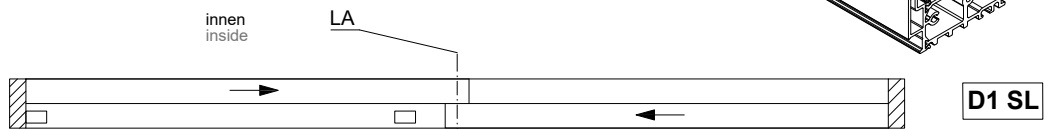
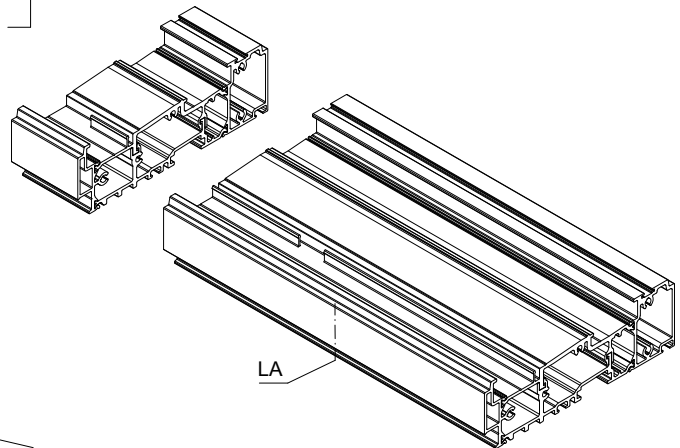
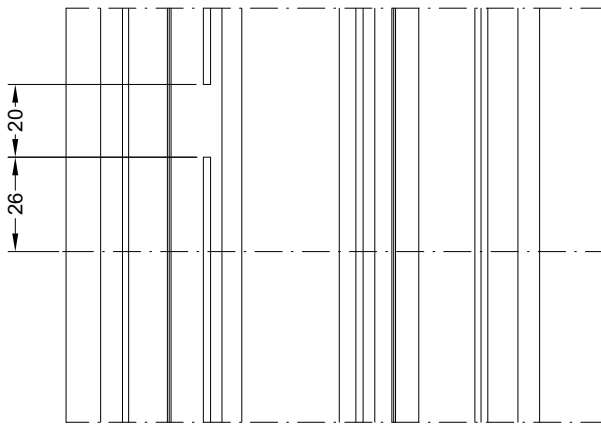
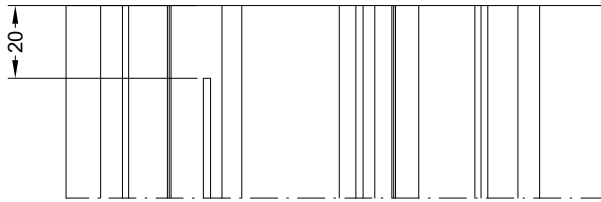
- | | |
|-------------------------------|---------------------------------|
| × Bohrung Ø10 | × drill hole Ø10 |
| ○ Bohrung Ø10 | ○ drill hole Ø10 |
| ↑ Bohrung Ø8 | ↑ drill hole Ø8 |
| ● Bohrung Ø12 für Kugelventil | ● drill hole Ø12 for ball valve |

ENTWÄSSERUNG
 DRAINAGE

B 813050



Schema D1 SL dargestellt Schema D2 SL spiegelbildlich
 Scheme D1 SL shown Scheme D2 SL mirror-inverted

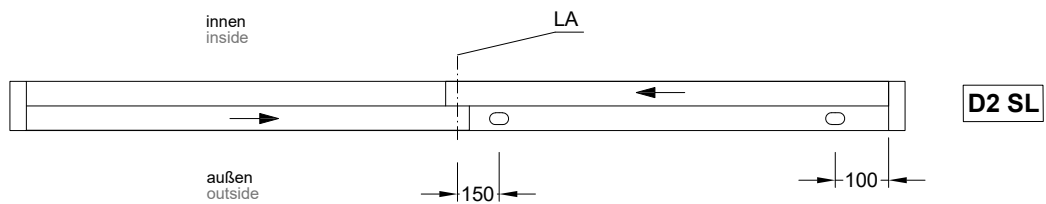
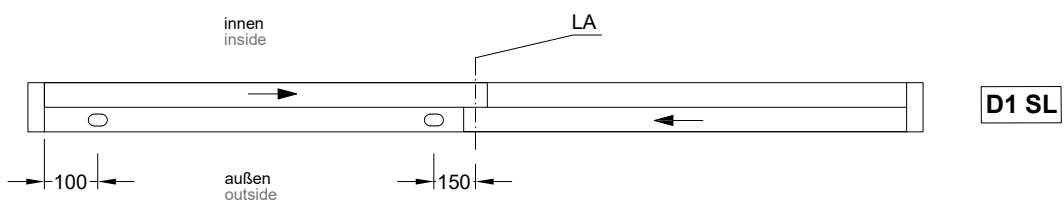
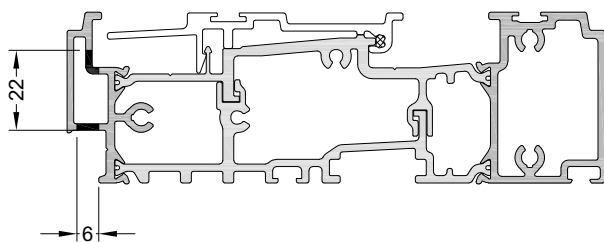
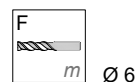
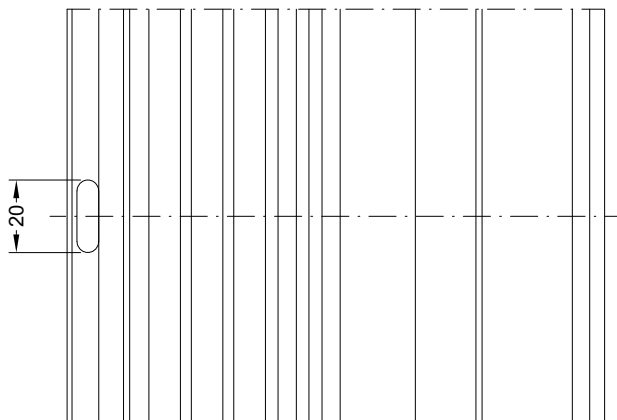
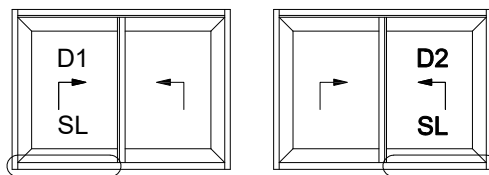


□ Fräsung Ø6

□ milling Ø6

ENTWÄSSERUNG
 DRAINAGE

B 813050

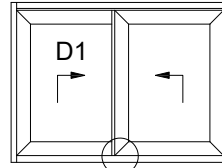
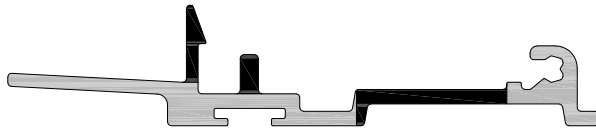


□ Fräsung Ø6

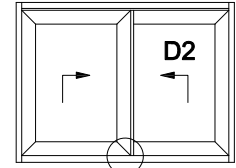
□ milling Ø6

ENTWÄSSERUNG
 DRAINAGE

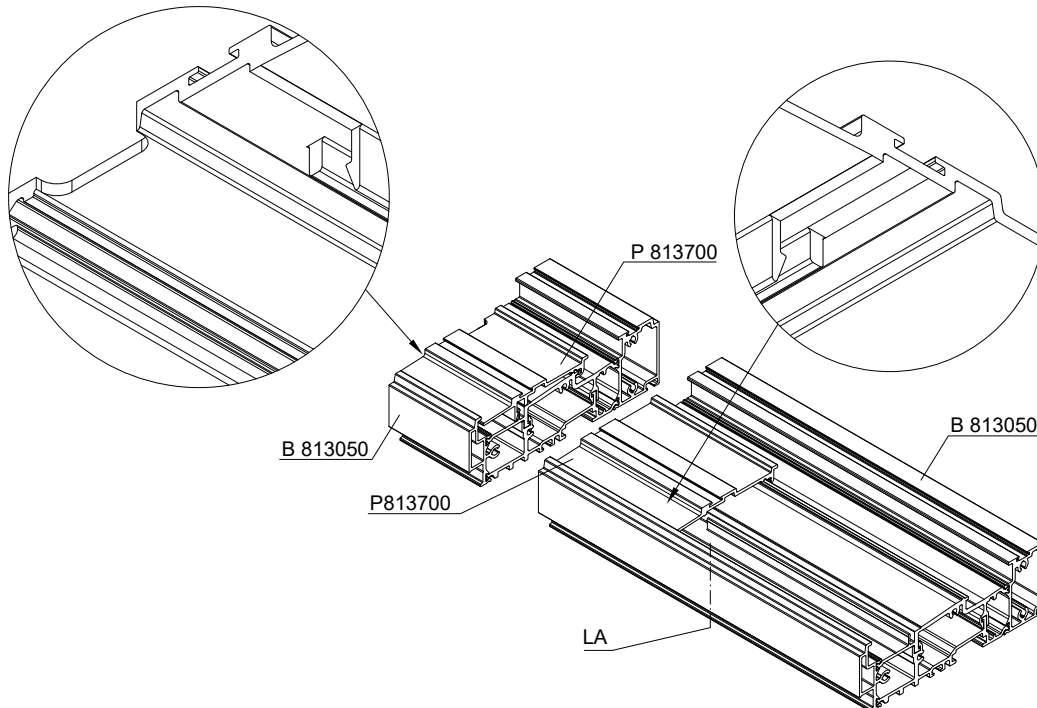
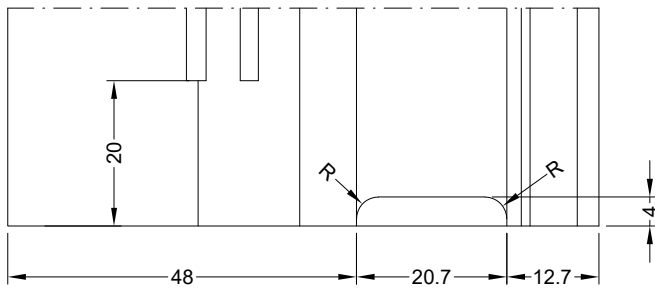
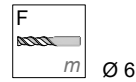
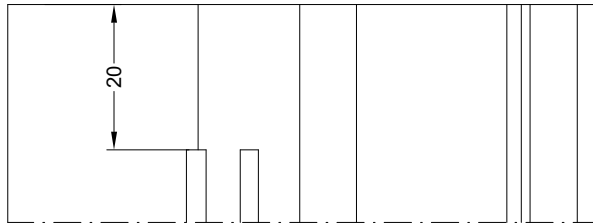
P 813700



Schema D1 SL dargestellt
 Scheme D1 SL shown

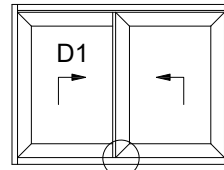
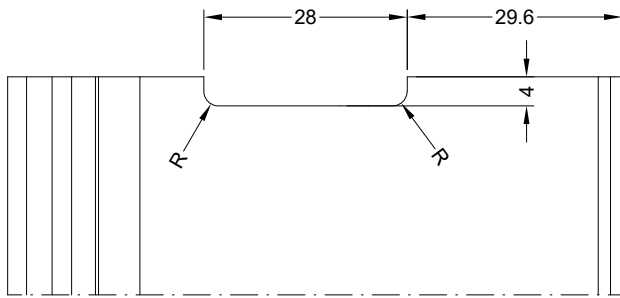
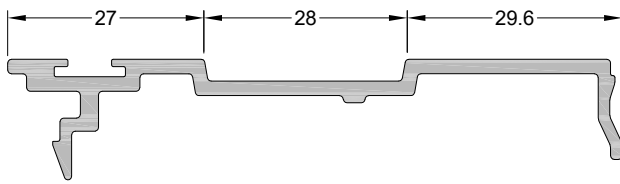


Schema D2 SL spiegelbildlich
 Scheme D2 SL mirror-inverted

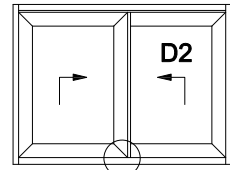


ENTWÄSSERUNG
 DRAINAGE

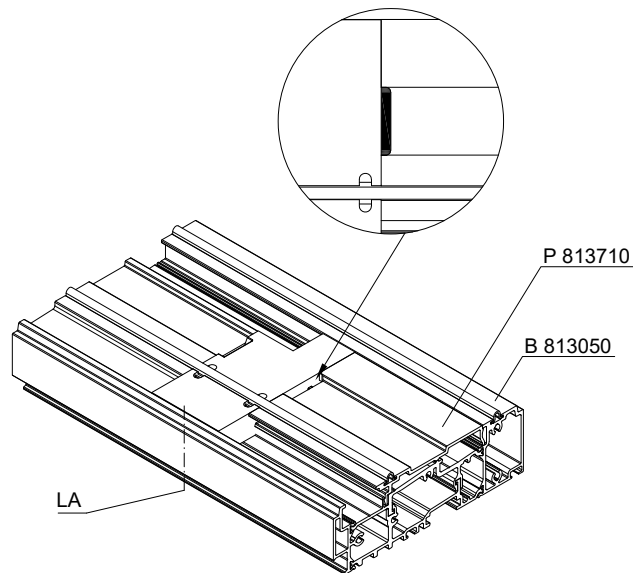
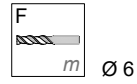
P 813710



Schema D1 SL dargestellt
 Scheme D1 SL shown



Schema D2 SL spiegelbildlich
 Scheme D2 SL mirror-inverted



BELÜFTUNG
 VENTILATION

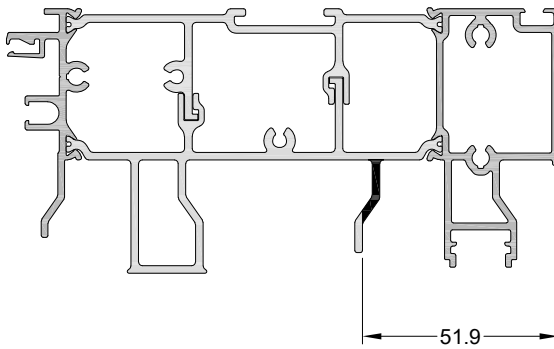
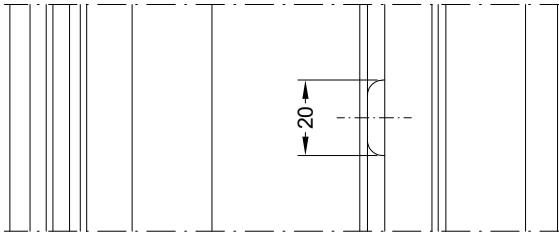
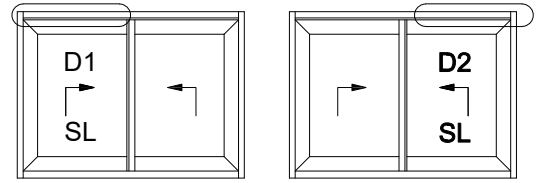
B 813032



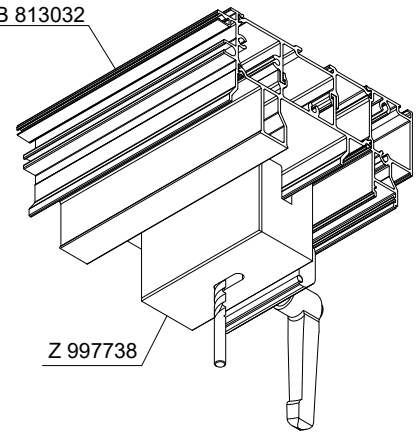
Z 997738



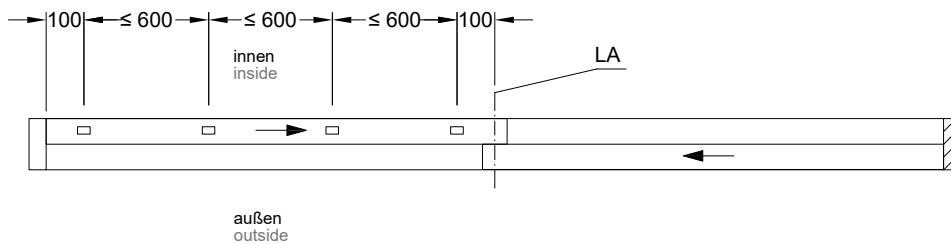
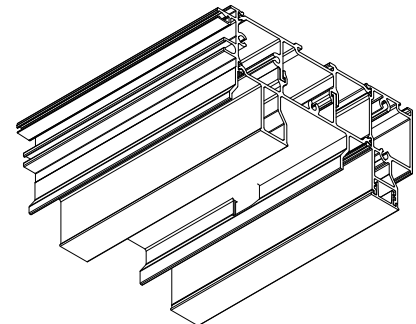
Ø 6



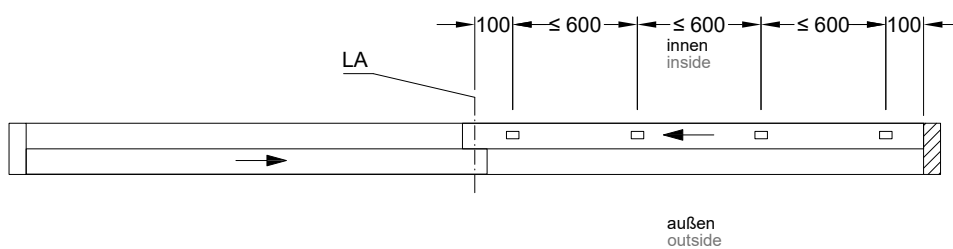
B 813032



Z 997738



D1 SL



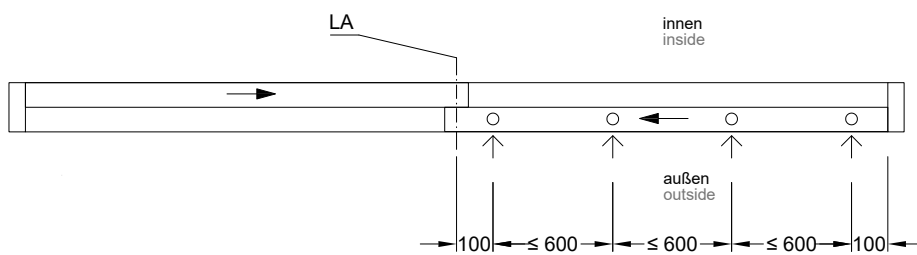
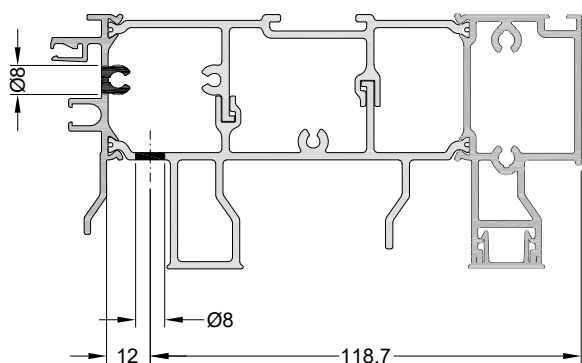
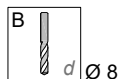
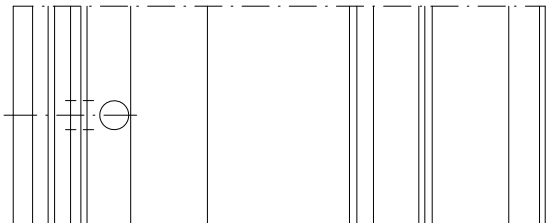
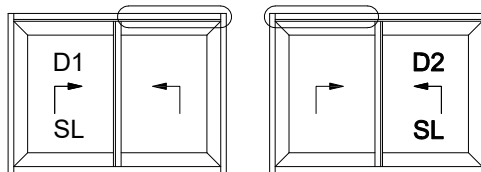
D2 SL

□ Fräsung Ø 6

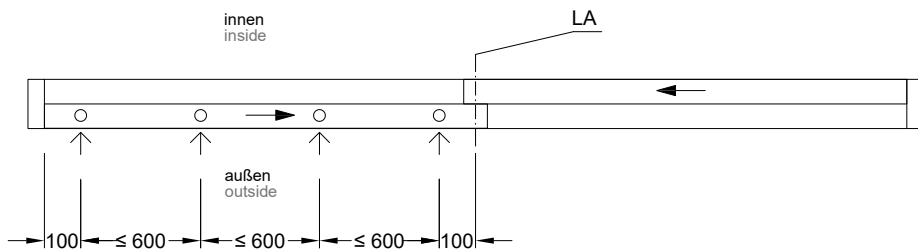
□ milling Ø 6

BELÜFTUNG
 VENTILATION

B 813032



D1 SL

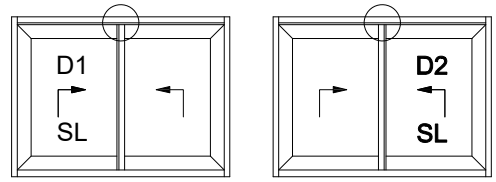
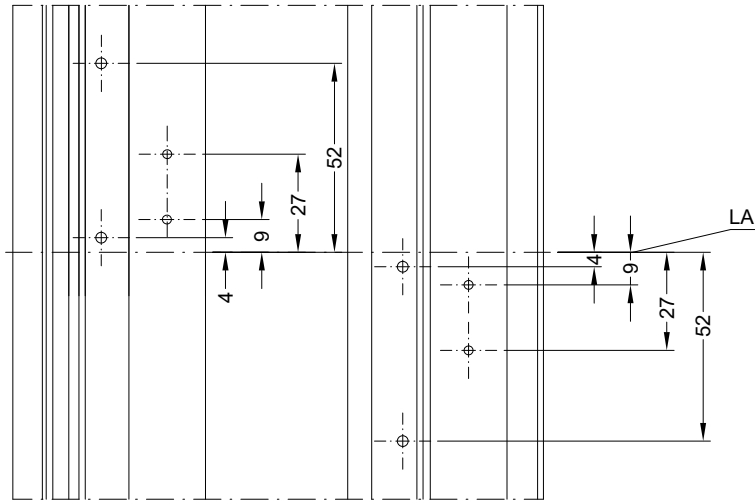


D2 SL

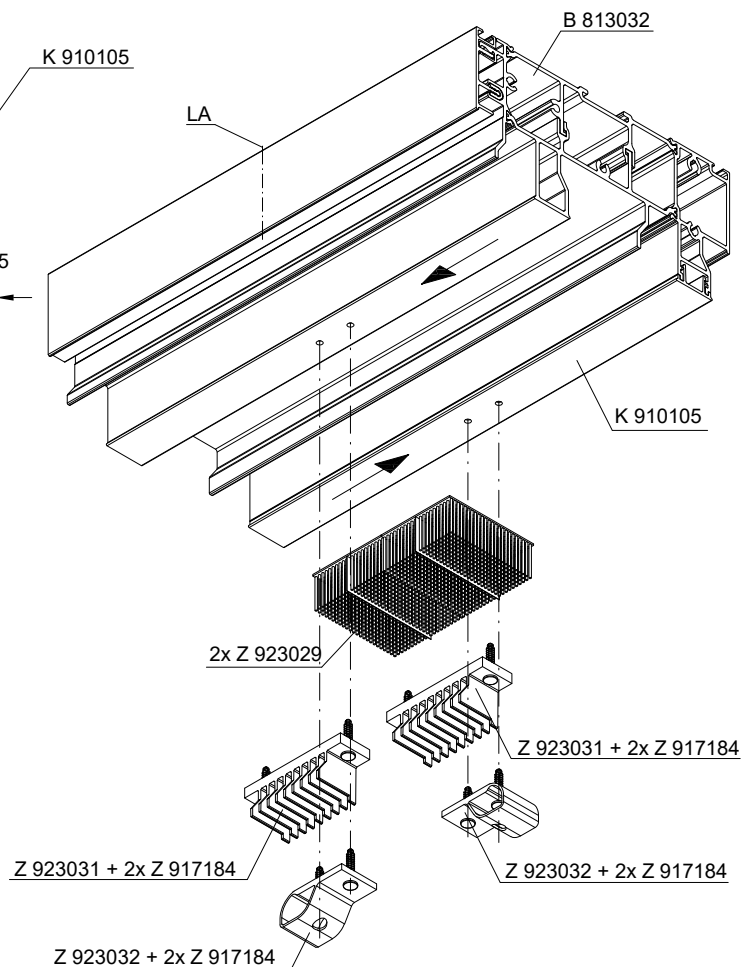
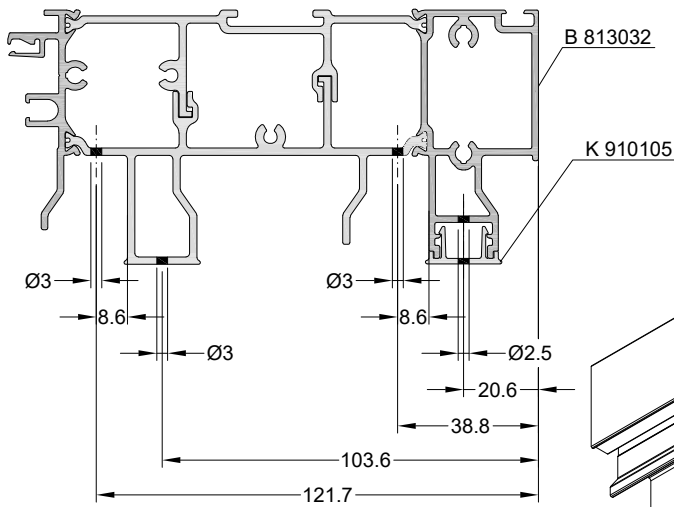
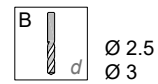
- | | |
|---------------------------|------------------------------|
| ○ Bohrung $\varnothing 8$ | ○ drill hole $\varnothing 8$ |
| ↑ Bohrung $\varnothing 8$ | ↑ drill hole $\varnothing 8$ |

DICHTFORMTEIL
 SHAPED GASKET PIECE

B 813032 + K 910105



Schema D1 SL dargestellt Schema D2 SL spiegelbildlich
 Schema D1 SL shown Schema D2 SL mirror-inverted

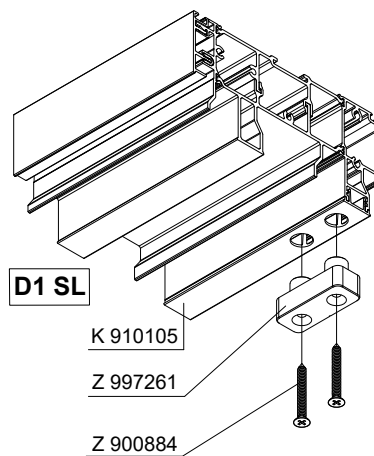
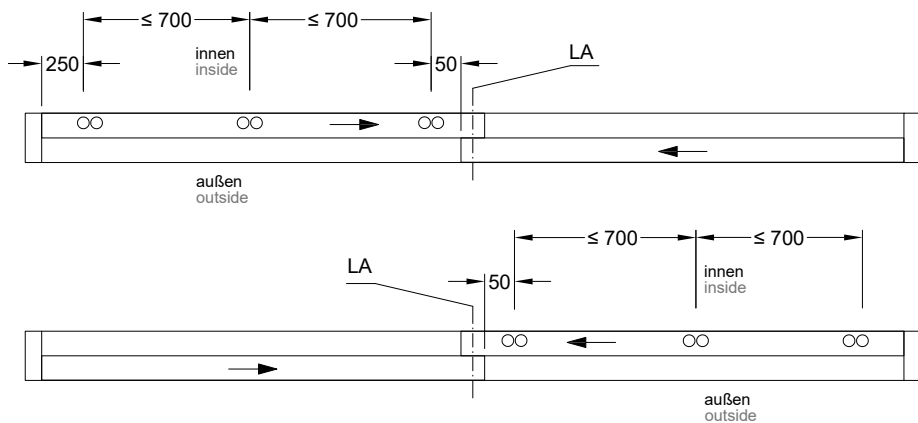
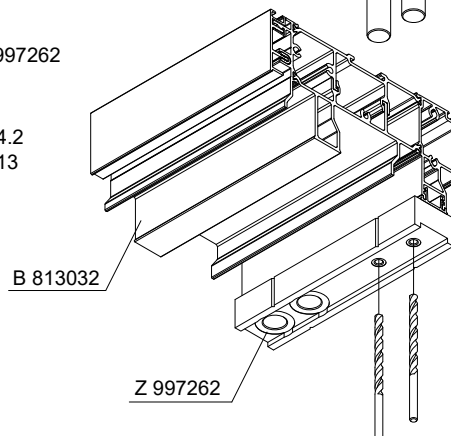
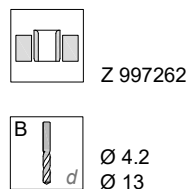
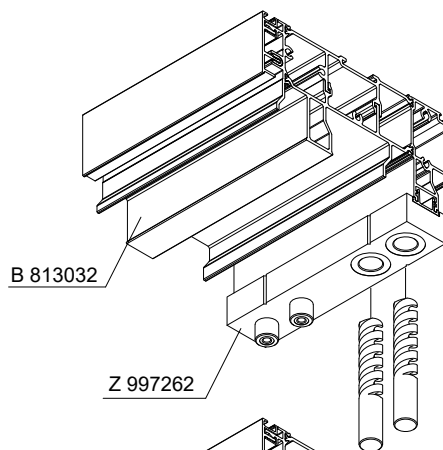
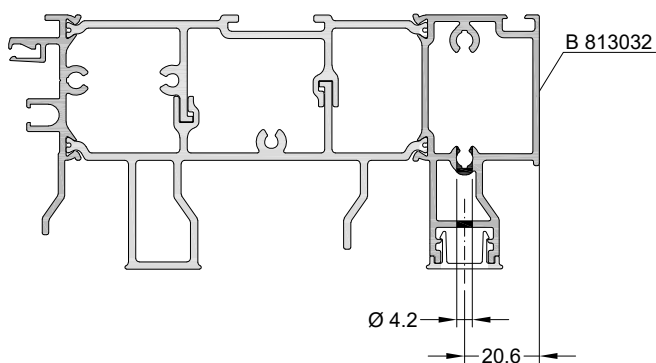
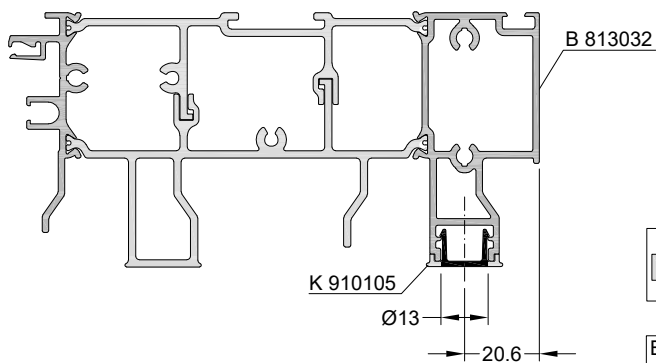
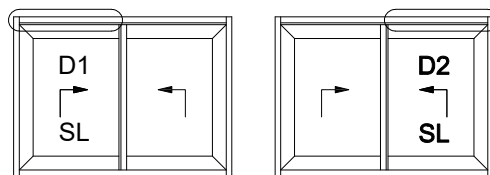


2G Schema D - Schmales Labyrinth
 Scheme D - Narrow Labyrinth

WINDSICHERUNG
 WIND PROTECTION

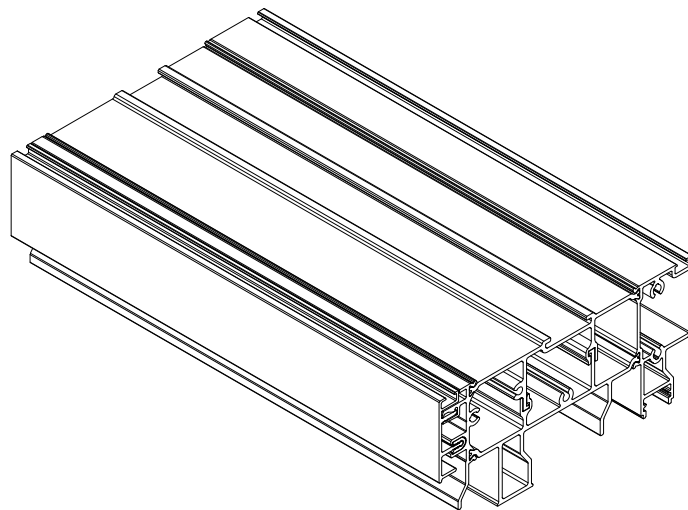
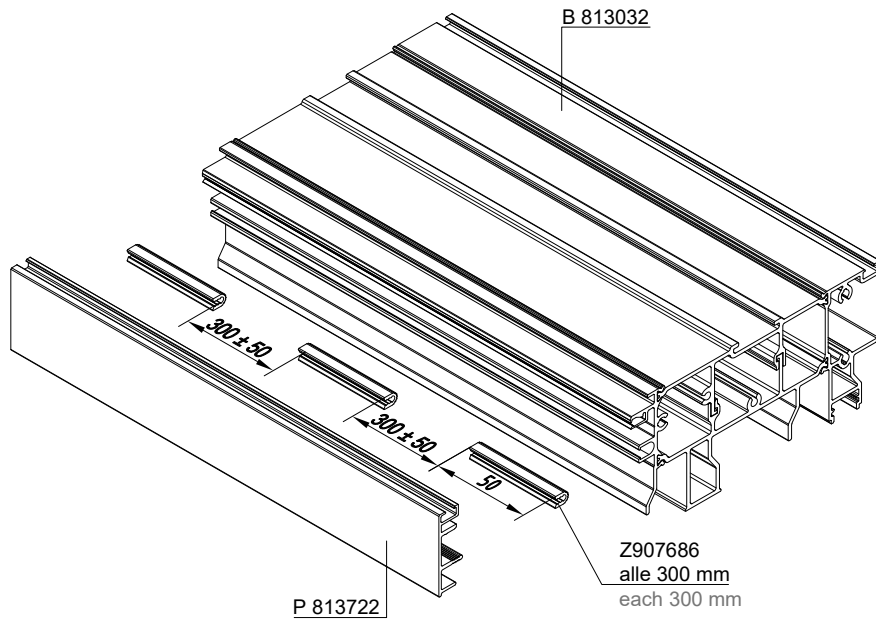
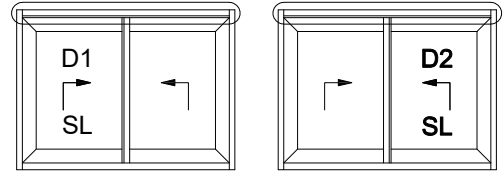
Nur bei Windlasten ab 2000 Pa erforderlich
 required for wind loads from 2000 Pa only

B 813032 + K 910105

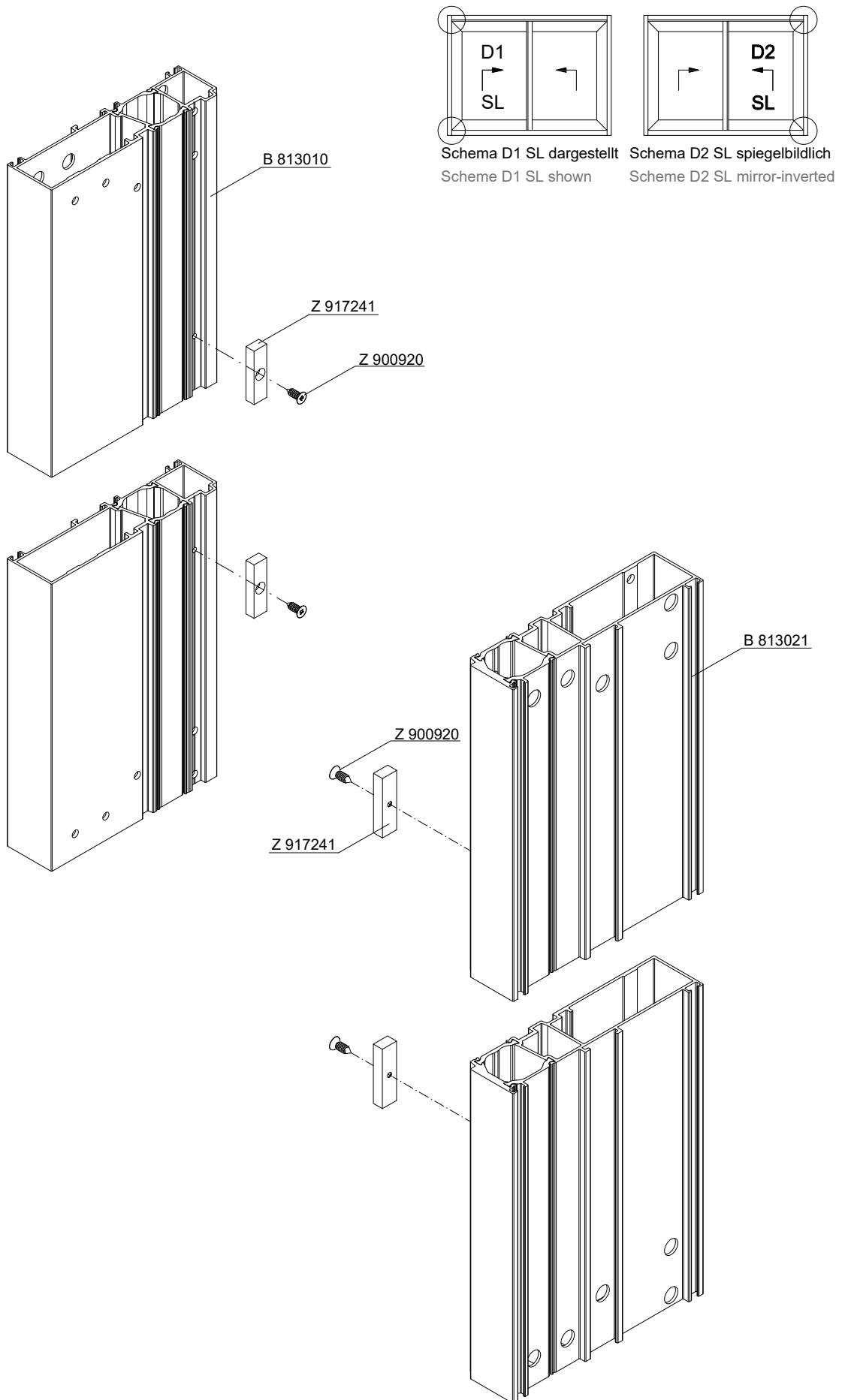


∅ Bohrung Ø13 / Ø4.3 ∅ drill hole Ø13 / Ø4.3

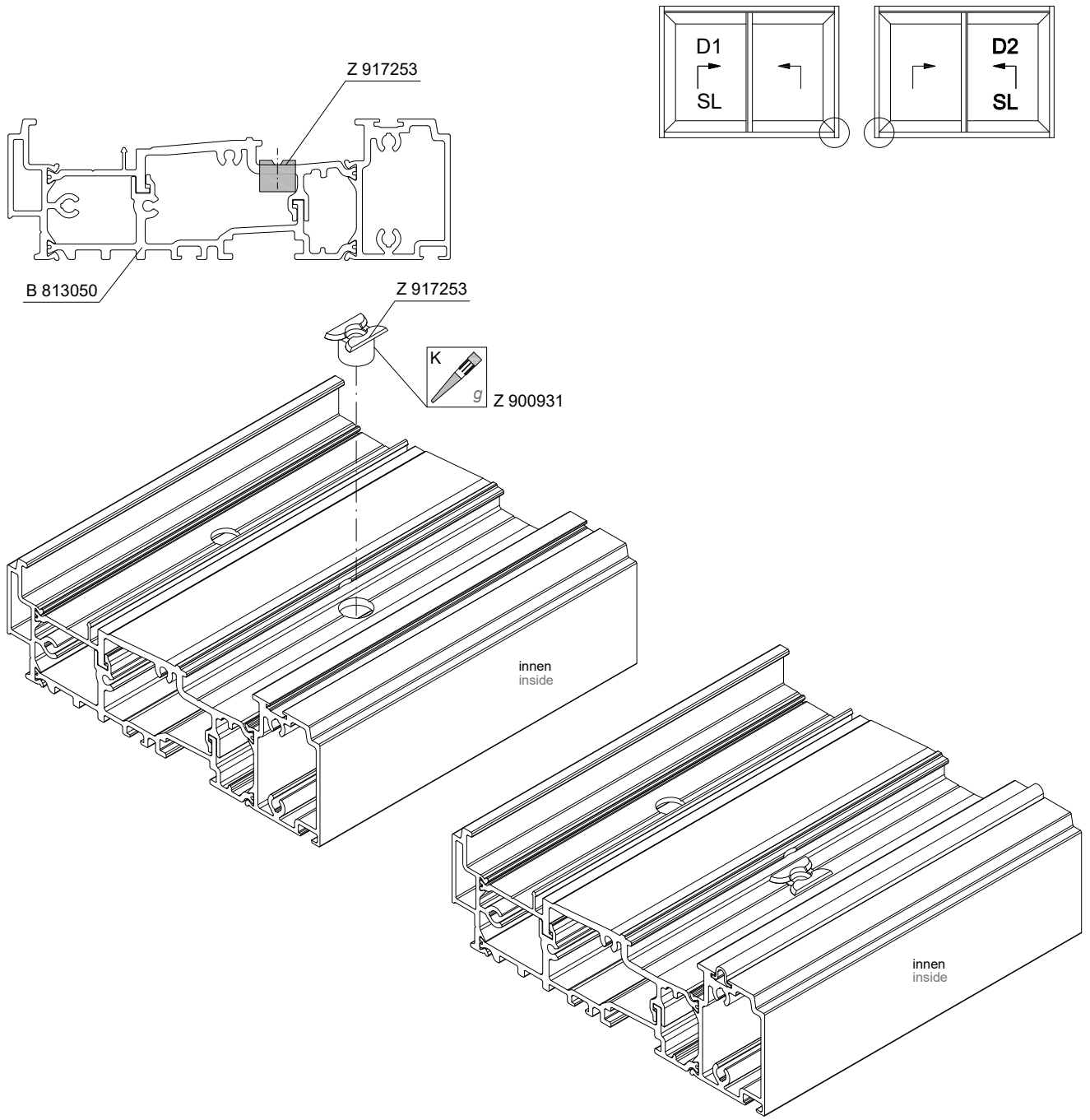
MONTAGE • ZUSATZPROFIL / BELÜFTUNG
 ASSEMBLY • SUPPLEMENTARY PROFILE / VENTILATION



MONTAGE • ANSCHLAGPUFFER
ASSEMBLY • STOP BUFFER

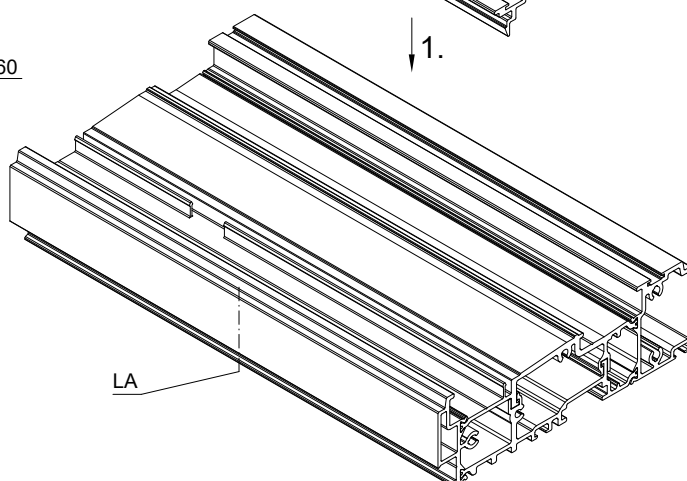
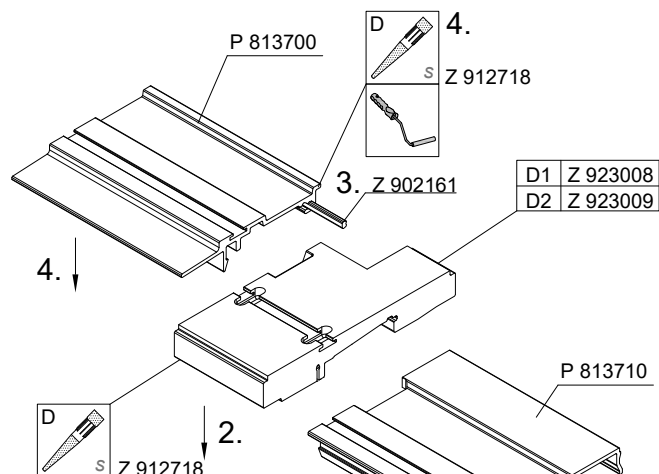
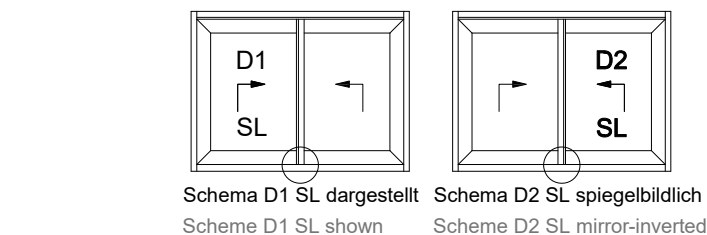
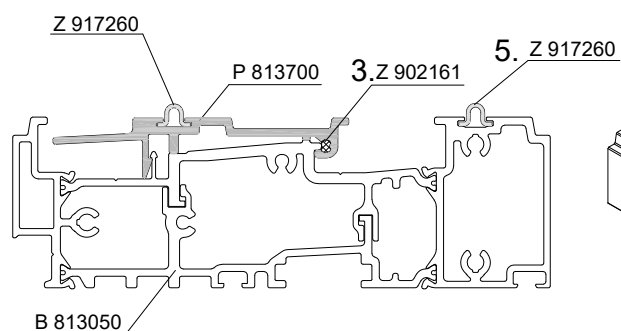
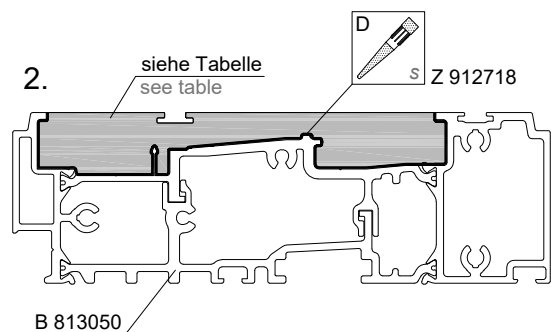
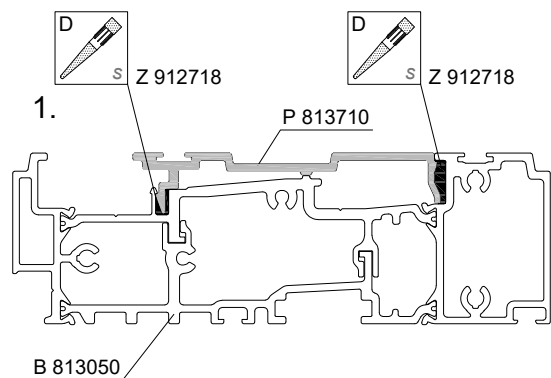


MONTAGE • BELÜFTUNG / ENTWÄSSERUNG
 ASSEMBLY • VENTILATION / DRAINAGE



2G Schema D - Schmales Labyrinth
 Scheme D - Narrow Labyrinth

MONTAGE • LABYRINTHBEREICH
 ASSEMBLY • LABYRINTH AREA

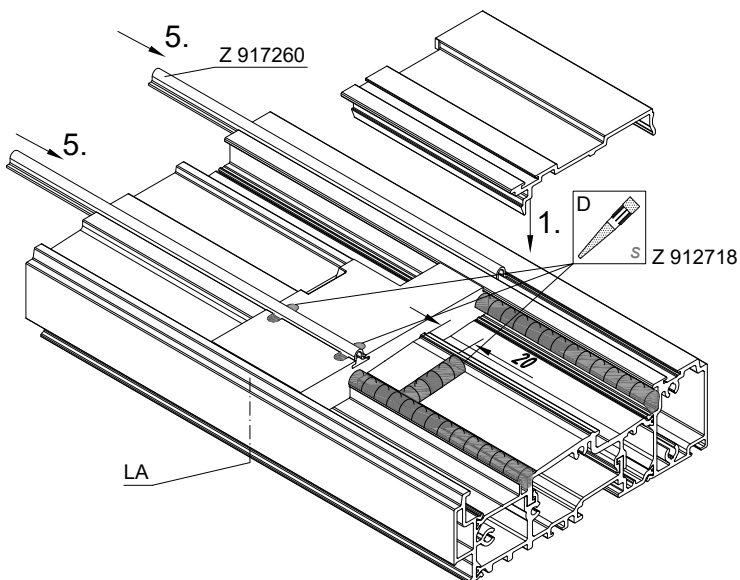


Bearbeitungsschritte Schema D1

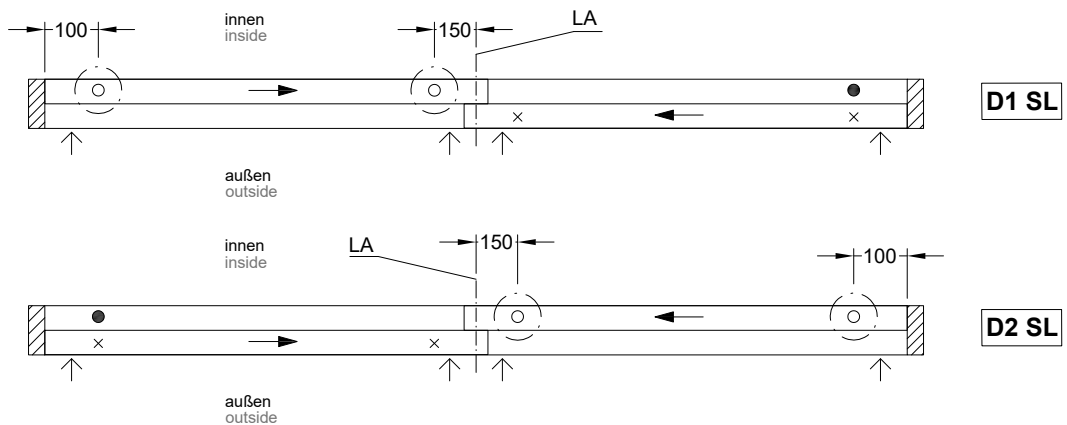
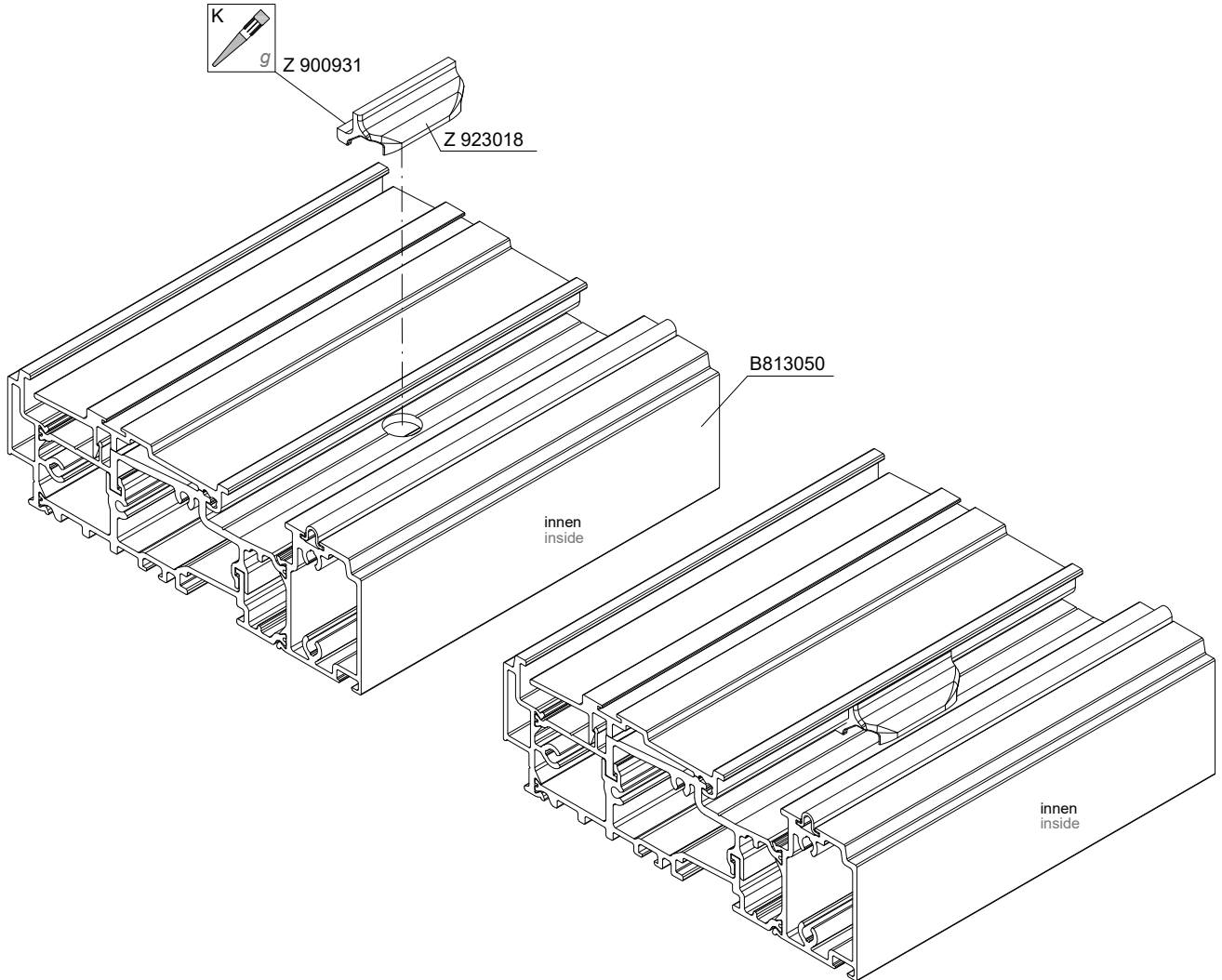
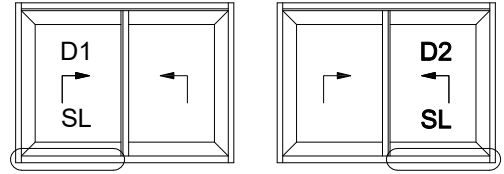
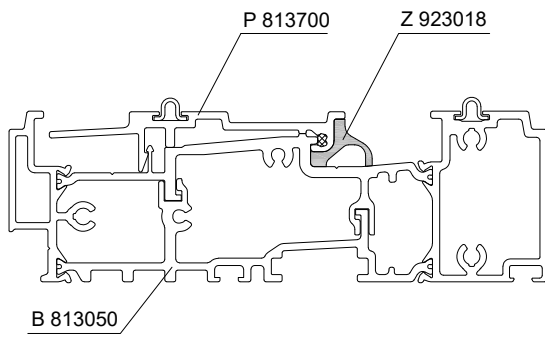
1. Dichtstoff auf Blendrahmen B 813050 aufbringen und Profil P 813710 von außen gesehen rechts bündig auf B 813050 einklipsen
2. Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu P 813710 einsetzen
3. Dichtungsroundschnur Z 902161 in Profil P 813700 einziehen
4. Dichtstoff auf Profil P 813700 aufbringen und Profil P 813700 bündig zum Dichtungsformteil einklipsen
5. Laufschiene Z 917260 einschieben und abdichten

Processing steps scheme D1

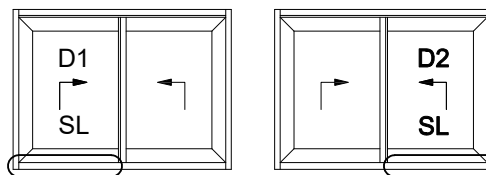
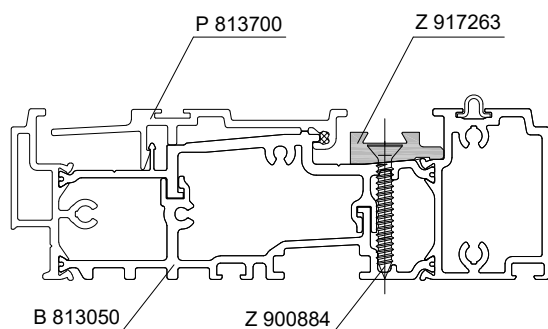
1. Apply sealing compound on fixed frame B 813050 and snap on P 813710 flush with B 813050 (right side, seen from the outside)
2. Fix the shaped gasket piece (see table) with sealing compound flush to P 813710
3. Insert gasket cord Z 902161 in profile P 813700
4. Apply sealing compound on profile P 813700 and snap on P 813700 flush with shaped gasket piece
5. Slide in rail Z 917260 and insert sealing compound



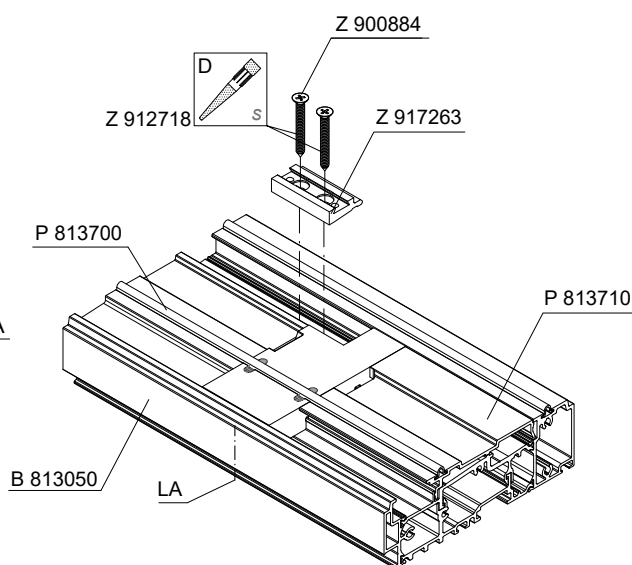
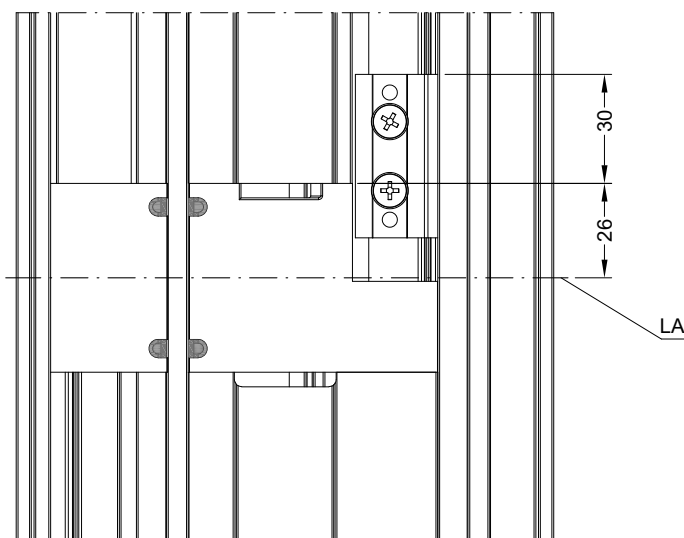
MONTAGE • BELÜFTUNG / ENTWÄSSERUNG
 ASSEMBLY • VENTILATION / DRAINAGE



MONTAGE • ZUSATZVERRIEGELUNG
 ASSEMBLY • ADDITIONAL LOCKING



Schema D1 SL dargestellt Schema D2 SL spiegelbildlich
 Scheme D1 SL shown Scheme D2 SL mirror-inverted

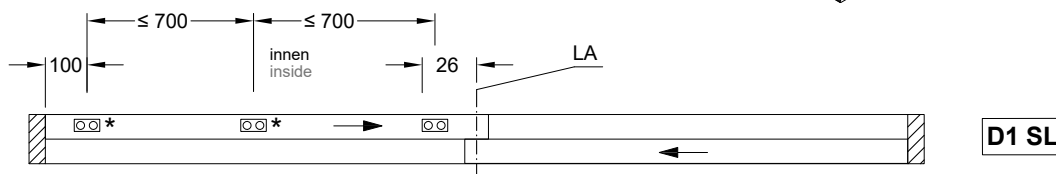
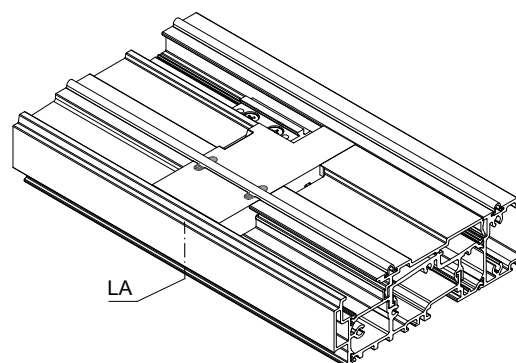


Bearbeitungsschritte Schemata D1 SL

1. Unterteil Z 917263 in Profil B 813050 einsetzen
2. Mit Senkblechschrauben Z 900884 ohne vorbohren verschrauben.

Processing steps scheme D1 SL

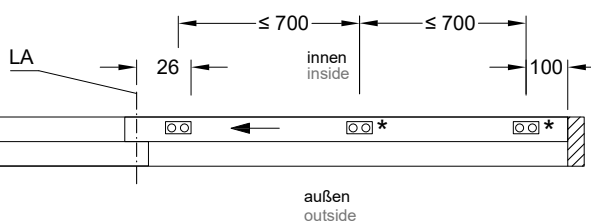
1. Insert base part Z 917263 into profile B 813050
2. Fix it with countersunk self-tapping screw Z 900884 without pre-drilling



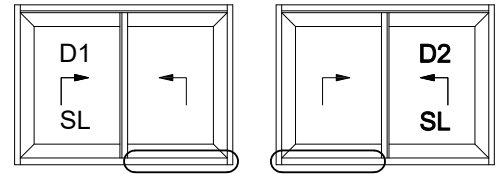
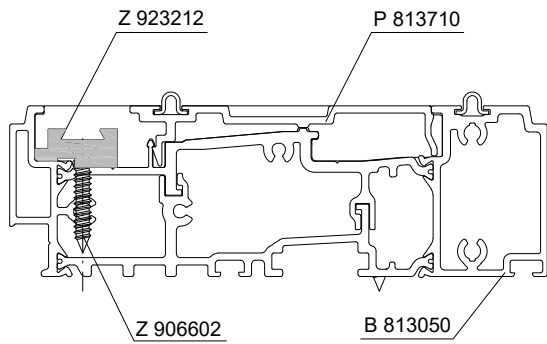
D1 SL

* Verwendung weiterer Zusatzverriegelungen nur bei Windlasten ab 2000 Pa erforderlich

* Use of further additional locking systems only required for wind loads from 2000 Pa

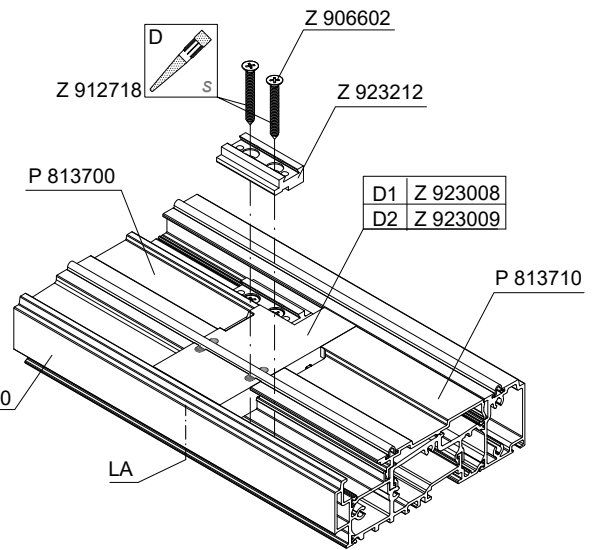
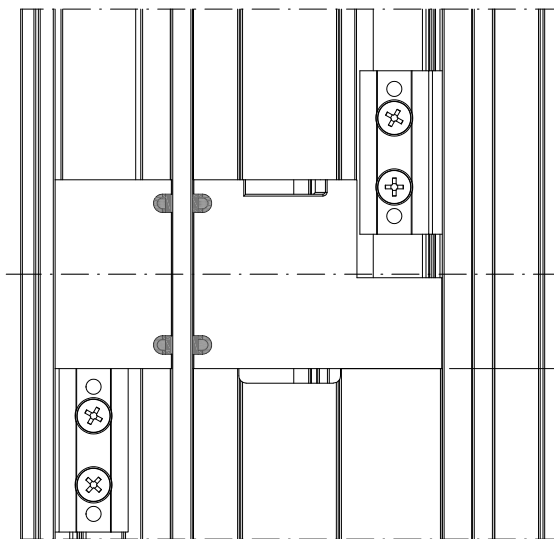
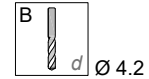


D2 SL



Schema D1 SL dargestellt
Schema D1 SL shown

Schema D2 SL spiegelbildlich
Schema D2 SL mirror-inverted

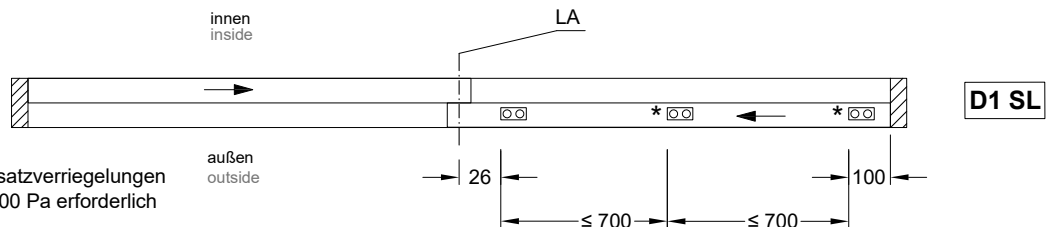
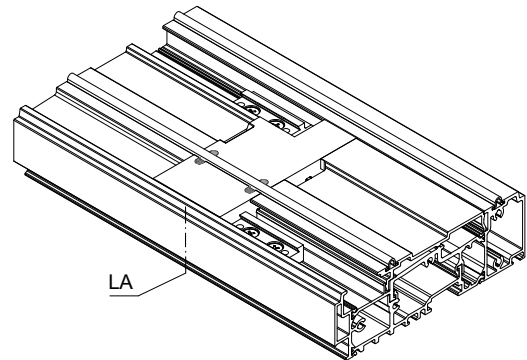


Bearbeitungsschritte Schemata D1 SL

1. Unterteil Z 923212 in Profil B 813050 einsetzen
2. Mit Ø 4.2 vorbohren
3. Mit Senkblechschrauben Z 906602 verschrauben

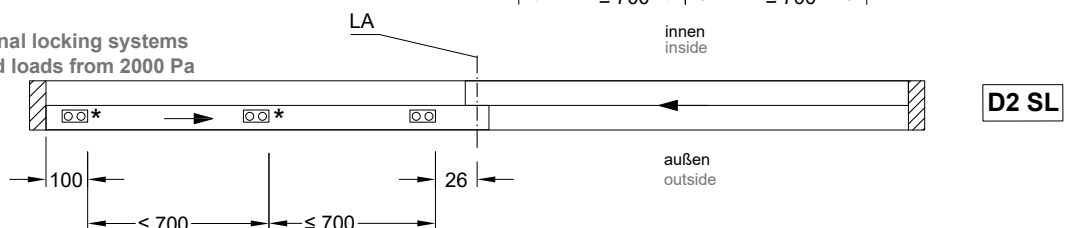
Processing steps scheme D1 SL

1. Insert base part Z 923212 into profile B 813050
2. Pre-drill with Ø 4.2
2. Fix it with screws Z 906602

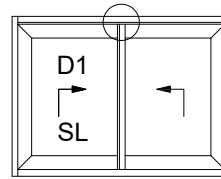
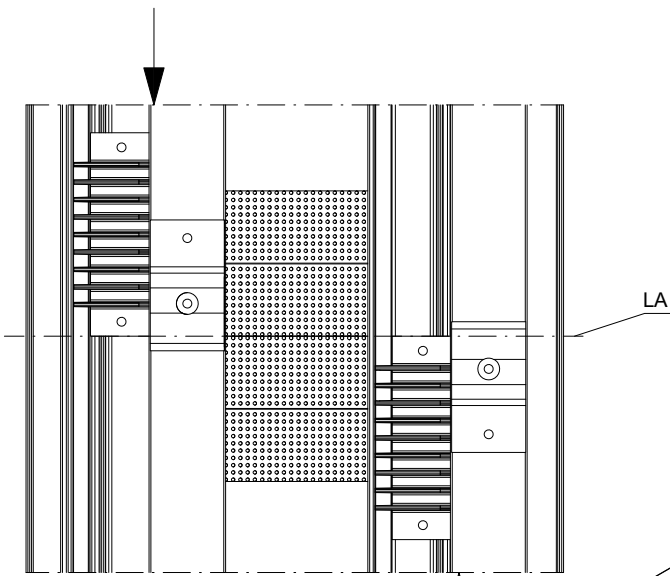


* Verwendung weiterer Zusatzverriegelungen
nur bei Windlasten ab 2000 Pa erforderlich

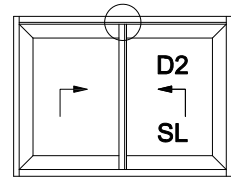
* Use of further additional locking systems
only required for wind loads from 2000 Pa



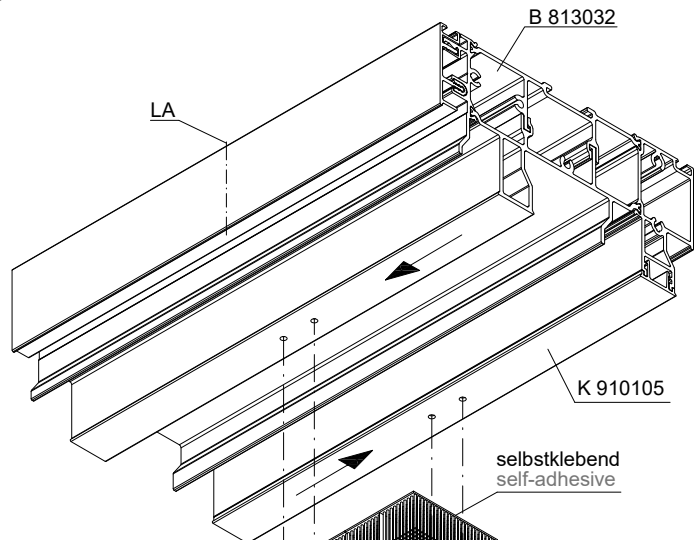
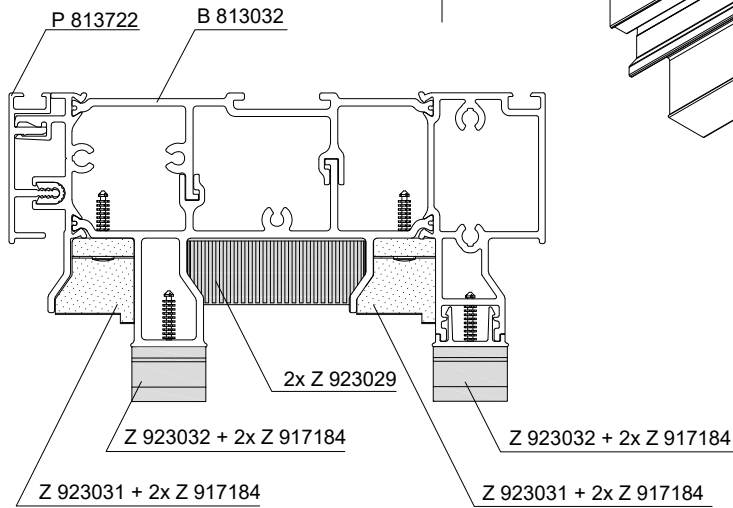
MONTAGE • DICHTFORMTEILE
 ASSEMBLY • SHAPED GASKET PIECES



Schema D1 SL dargestellt
 Scheme D1 SL shown



Schema D2 SL spiegelbildlich
 Scheme D2 SL mirror-inverted



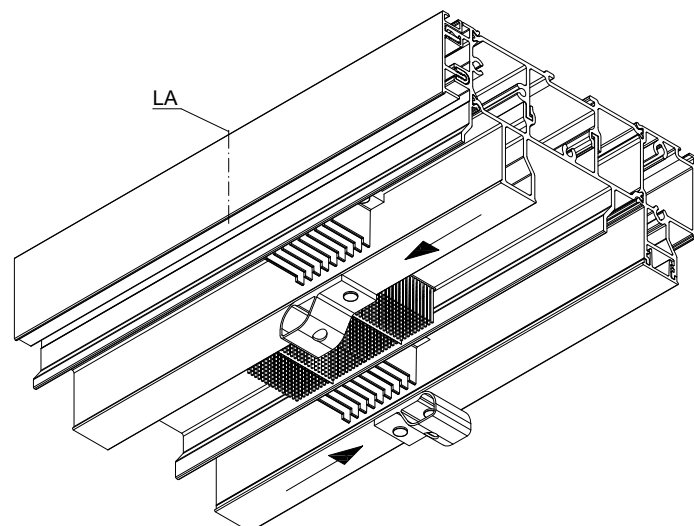
2x Z 923029

Z 923031 + 2x Z 917184

Z 923031 + 2x Z 917184

Z 923032 + 2x Z 917184

Z 923032 + 2x Z 917184



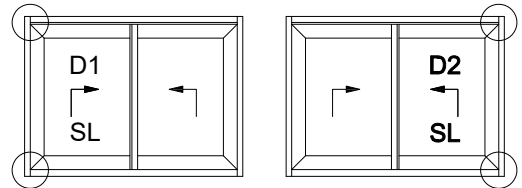
MONTAGE • ECKVERBINDUNGEN
ASSEMBLY • CORNER CONNECTIONS

Bearbeitungsschritte D1 SL

1. Dämmkern in Blendrahmen B 813010 und B 813021 einschieben (optional)
2. Dichtstoff auf Dichtformteile und Blendrahmen aufbringen und Dichtformteile einlegen
3. Profile rechtwinklig ausrichten
4. Profile mit Schrauben Z 923094 verschrauben

Processing steps D1 SL

1. Insert insulating core into fixed frame B 813010 and B 813021 (optionally)
2. Apply sealing compound to the shaped gasket pieces and fixed frame and assemble the shaped gasket pieces
3. Adjust the profiles rectangular
4. Fix the profiles with screws Z 923094

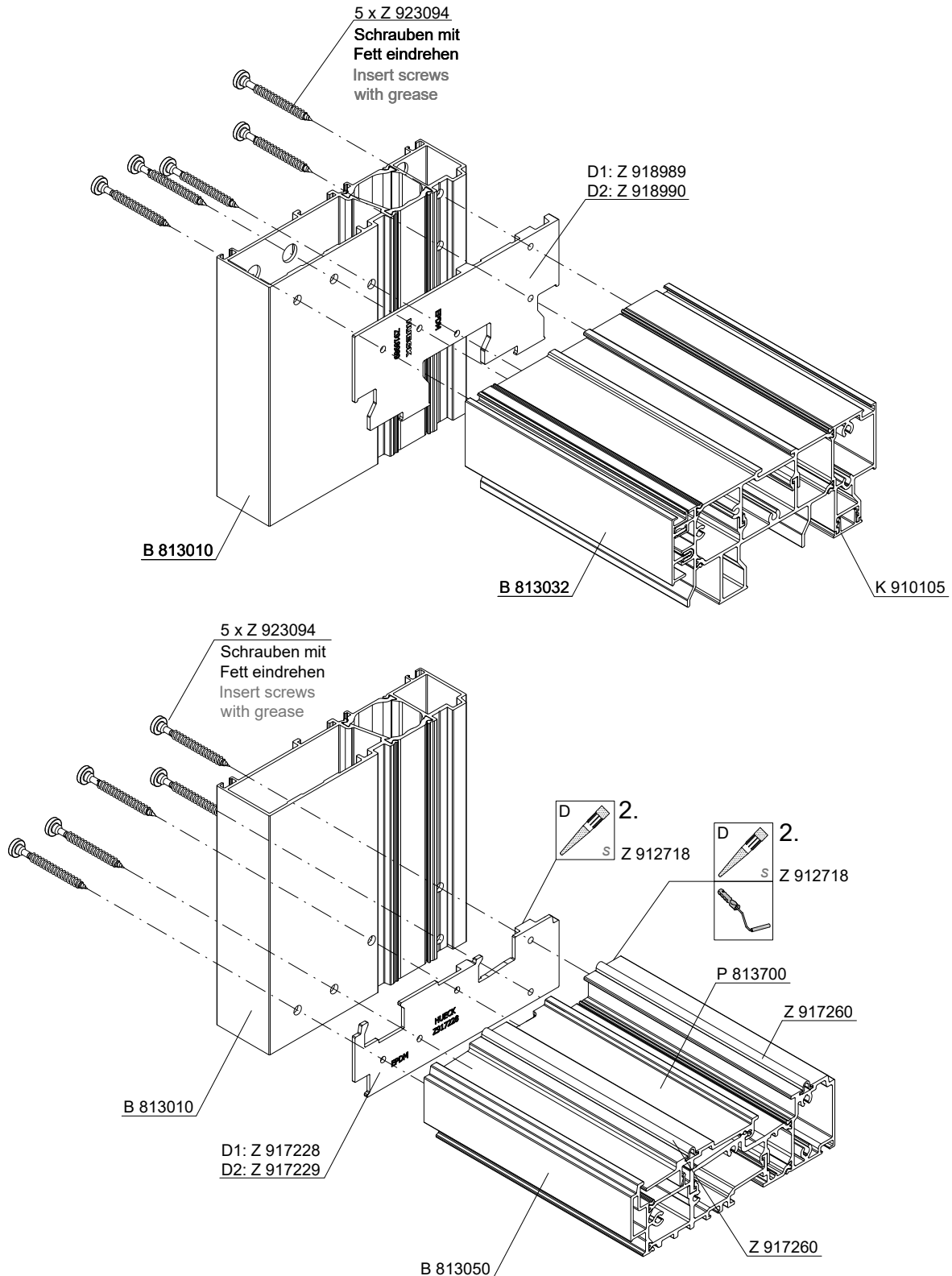


Schema D1 SL dargestellt

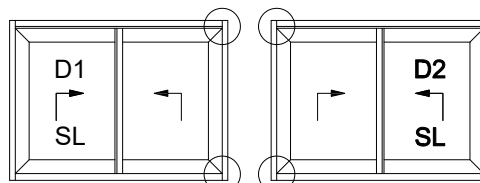
Schema D2 SL spiegelbildlich

Schema D1 SL shown

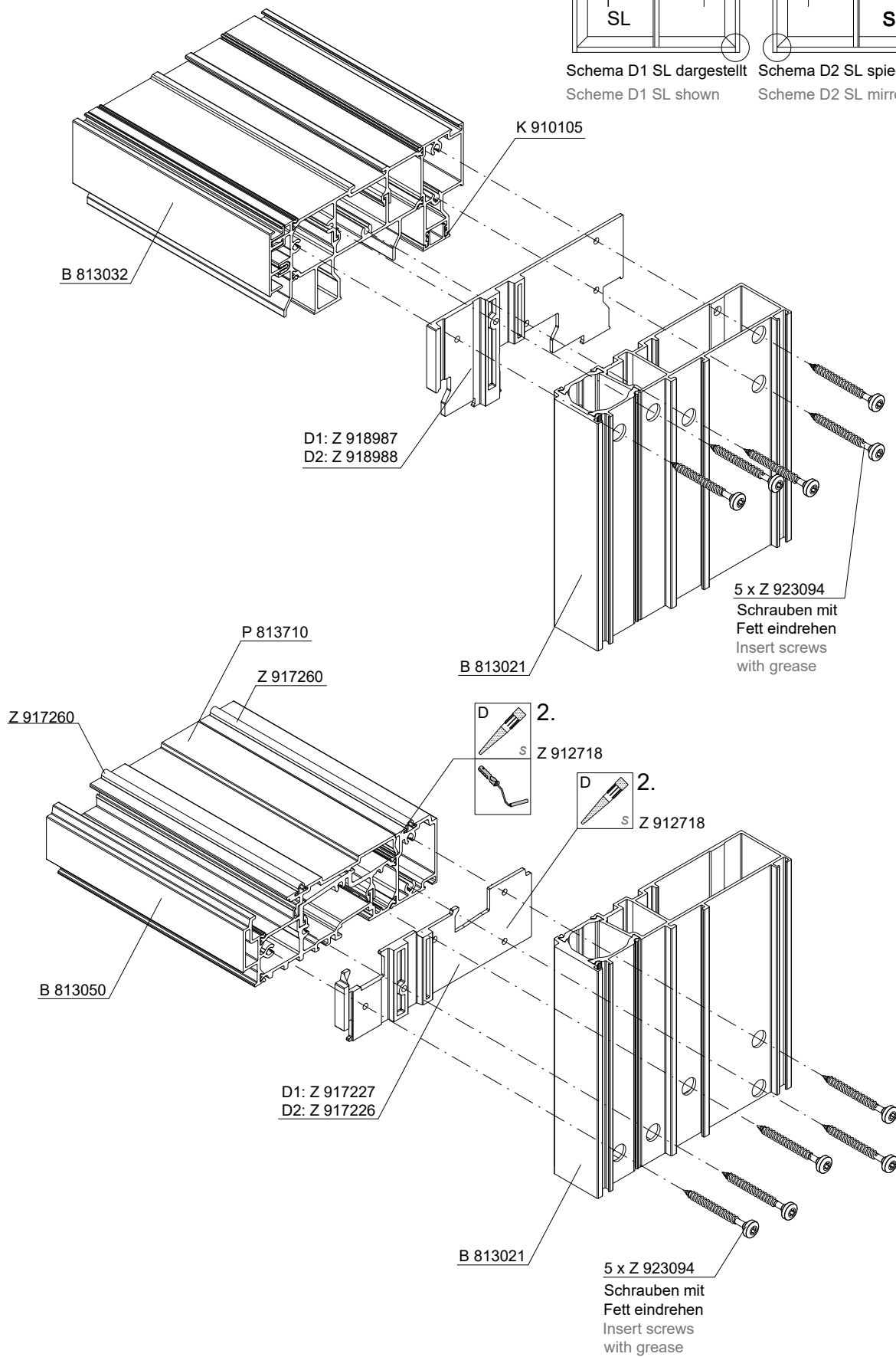
Schema D2 SL mirror-inverted



MONTAGE • ECKVERBINDUNGEN
 ASSEMBLY • CORNER CONNECTIONS

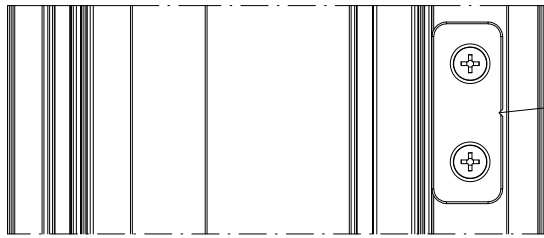
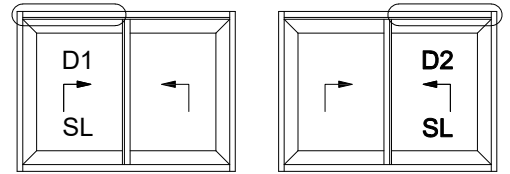


Schema D1 SL dargestellt Schema D2 SL spiegelbildlich
 Scheme D1 SL shown Scheme D2 SL mirror-inverted

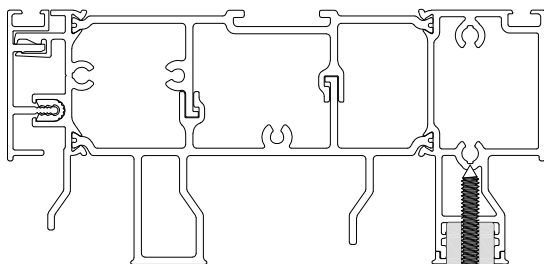


MONTAGE • WINDSICHERUNG
 ASSEMBLY • WIND PROTECTION

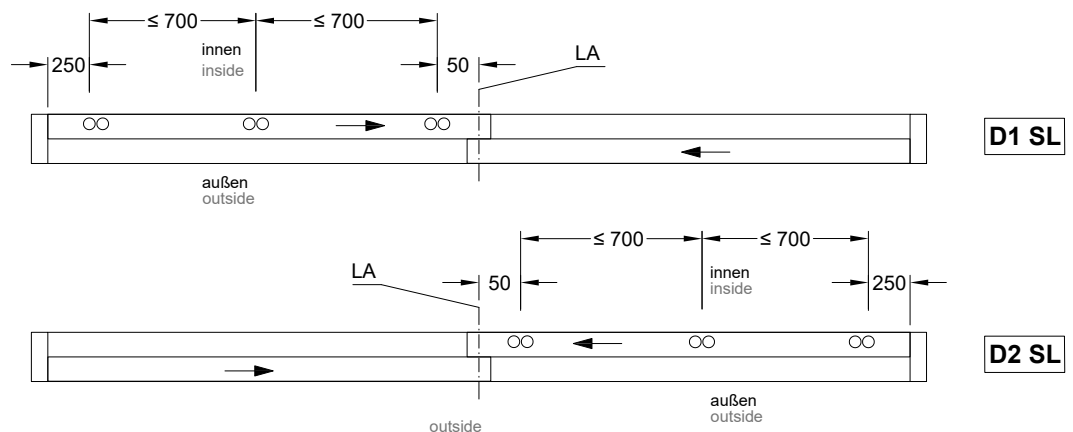
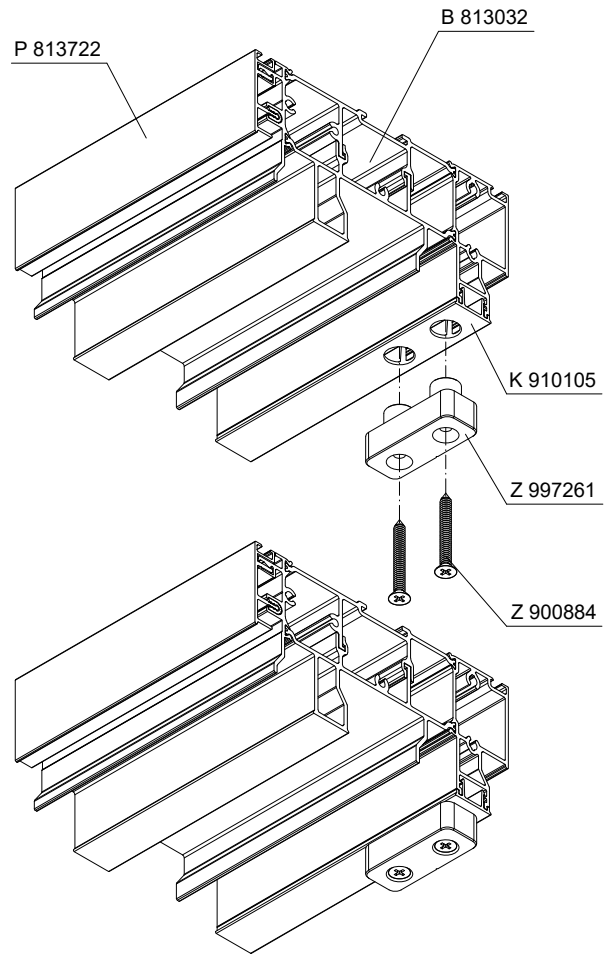
Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



Asymmetrisches Bauteil
 Markierung muss nach innen zeigen
 Asymmetrical component
 Mark must point inward



Z 997261 + 2x Z 900884



ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME

BLENDRAHMEN FIXED FRAME		
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
MG1		Monorail mit 3 Feldern Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach links öffnend
		Monorail with 3 fields Sliding sash in the middle 1 fixed field left and right each Primary sash sliding to the left

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity				
Z 997661		Z 900920	2		Z 923082	1		
		Z 923094	20					
		Z 918991	1		Z 917184	4		
		Z 918992	1		Z 923030	2		
		Z 918119	1		Z 917634	25		
		Z 918120	1		Z 918345	2		
		Z 917253	2		Z 918493	1		
		Z 923018	2		Z 918494	1		
		Z 923031	1		Z 923064	2		
		Z 923032	1		Z 917241	2		

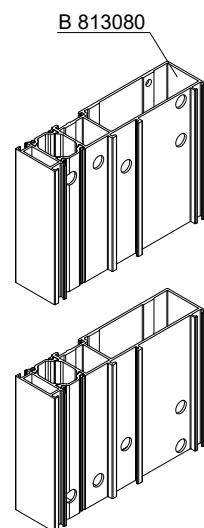
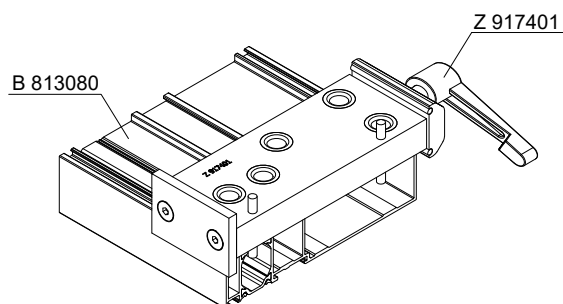
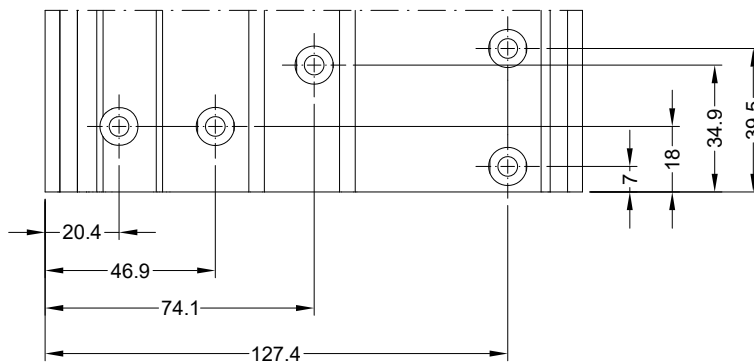
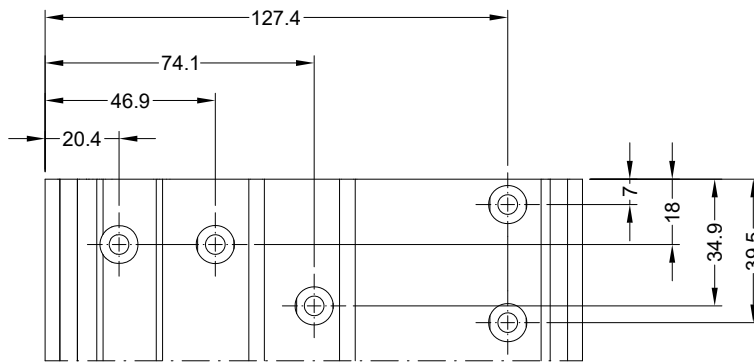
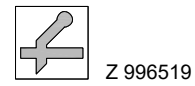
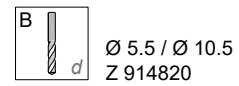
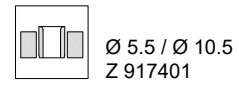
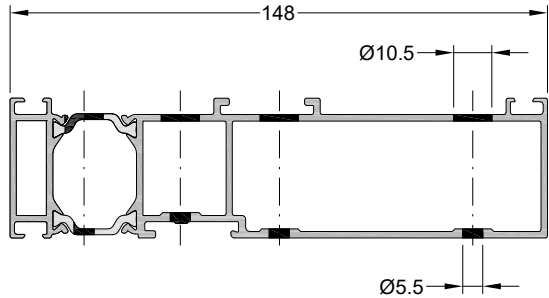
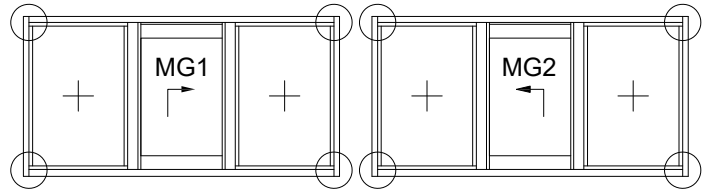
ZUBEHÖRSÄTZE • BLENDRAHMEN
 ACCESSORY SETS • FIXED FRAME

BLENDRAHMEN FIXED FRAME		
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
MG2		Monorail mit 3 Feldern Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach rechts öffnend
		Monorail with 3 fields Sliding sash in the middle 1 fixed field left and right each Primary sash sliding to the right

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity				
Z 997703		Z 900920	2		Z 923081	1		
		Z 923094	20					
		Z 918991	1		Z 917184	4		
		Z 918992	1		Z 923030	2		
		Z 918119	1		Z 917634	25		
		Z 918120	1		Z 918345	2		
		Z 917253	2		Z 918493	1		
		Z 923018	2		Z 918494	1		
		Z 923031	1		Z 923064	2		
		Z 923032	1		Z 917241	2		

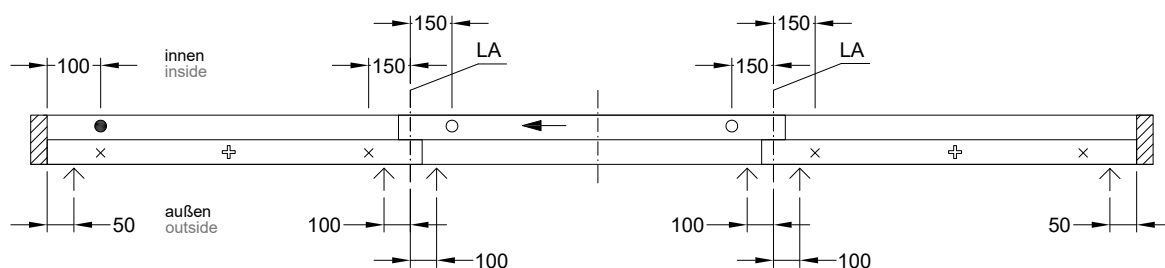
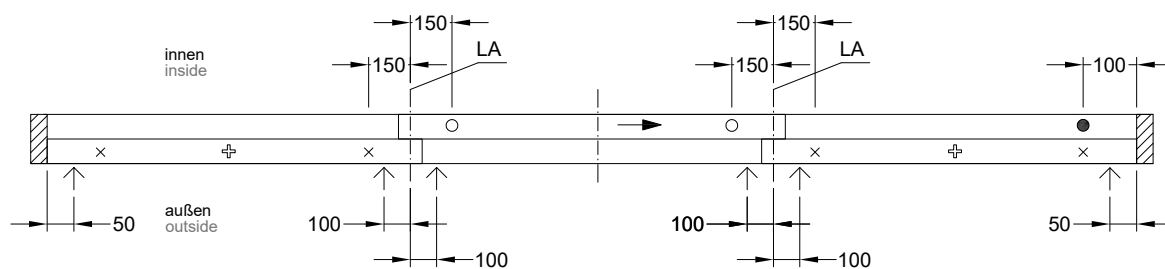
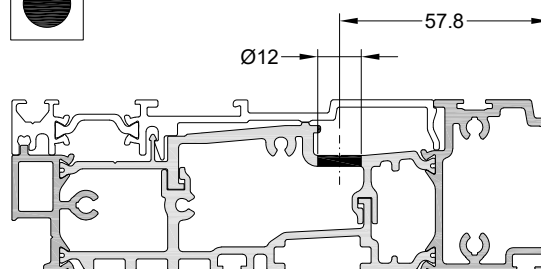
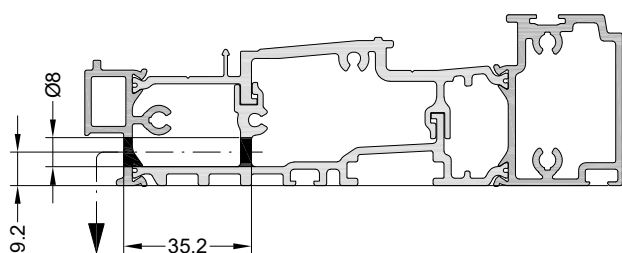
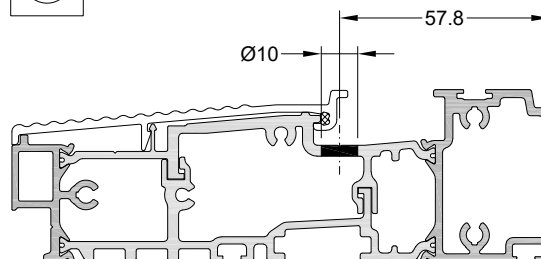
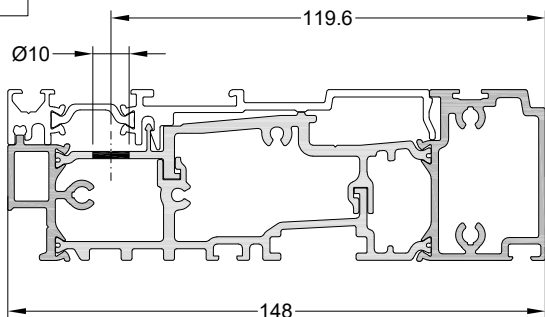
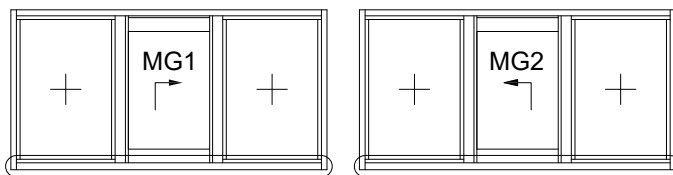
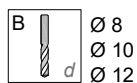
ECKVERBINDUNGEN
 CORNER CONNECTIONS

B 813080



ENTWÄSSERUNG
 DRAINAGE

B 813040

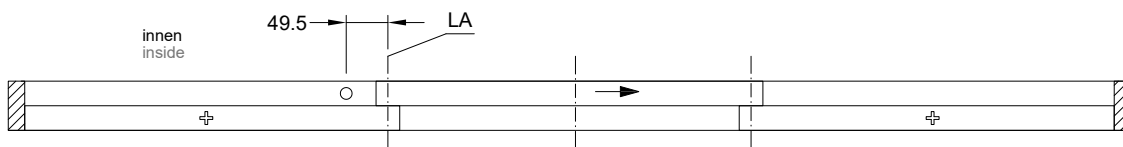
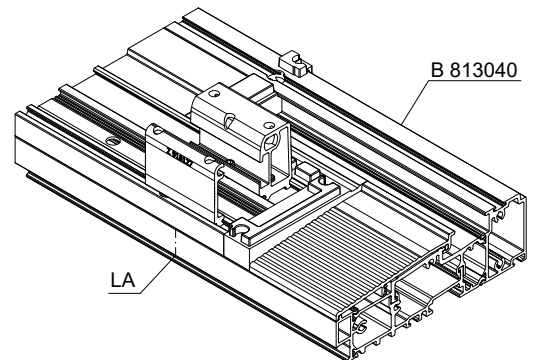
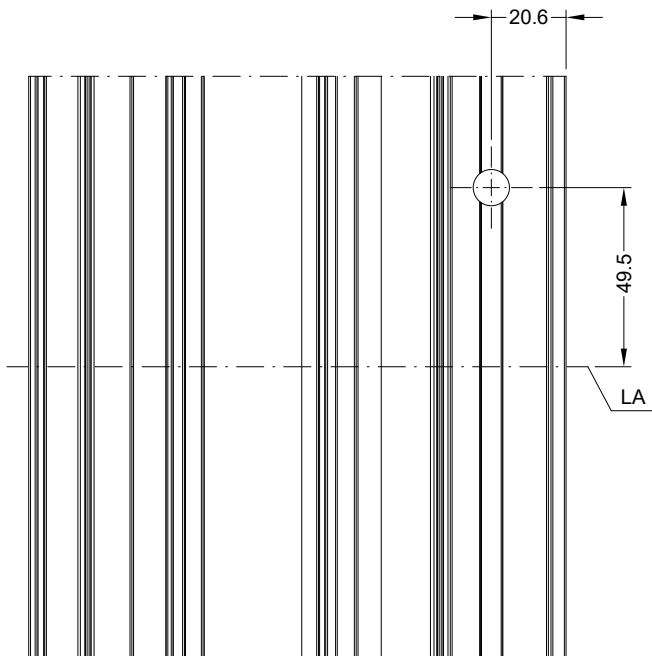
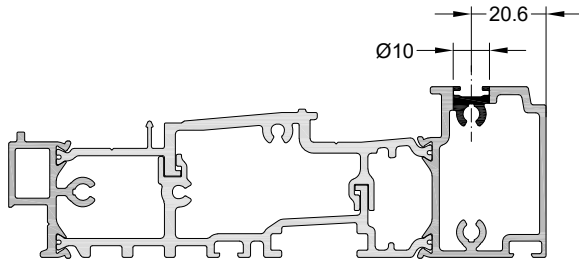
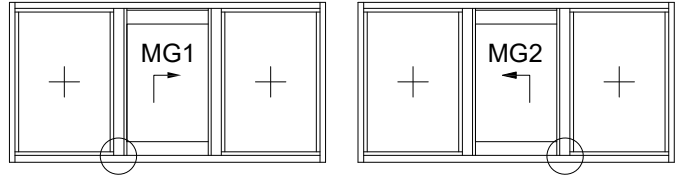
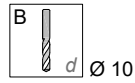


- × Bohrung Ø10
- Bohrung Ø10
- ↑ Bohrung Ø8
- Bohrung Ø12 für Kugelventil

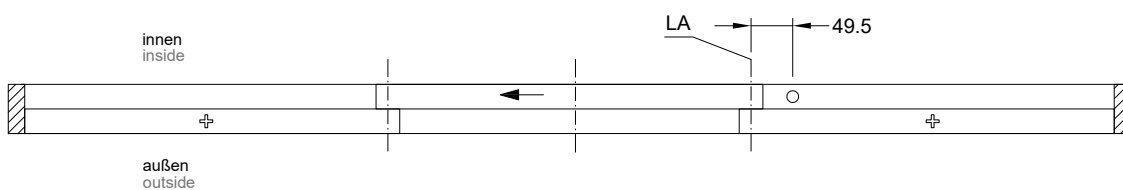
- × drill hole Ø10
- drill hole Ø10
- ↑ drill hole Ø8
- drill hole Ø12 for ball valve

STOSSVERBINDER
 T-BRACKET

B 813040



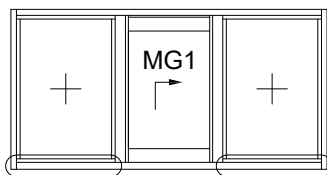
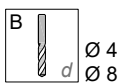
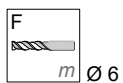
MG1



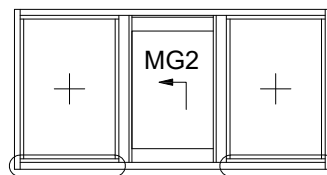
MG2

RAHMENBEARBEITUNG
 FRAME PROCESSING

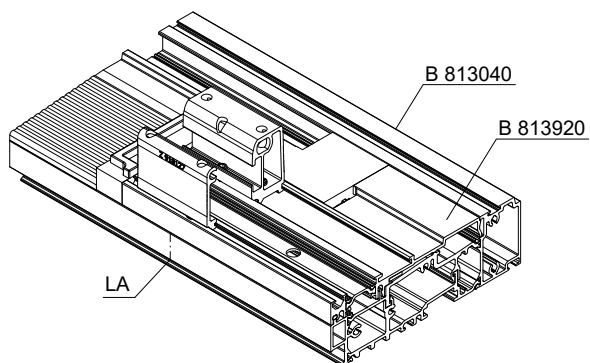
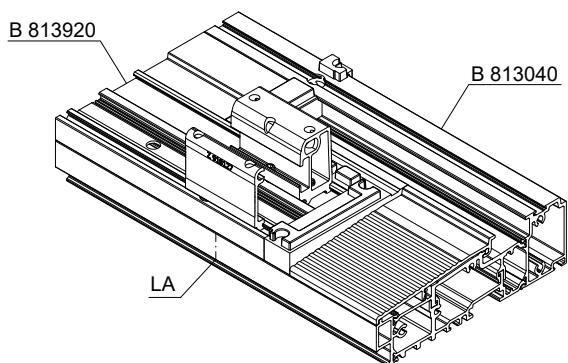
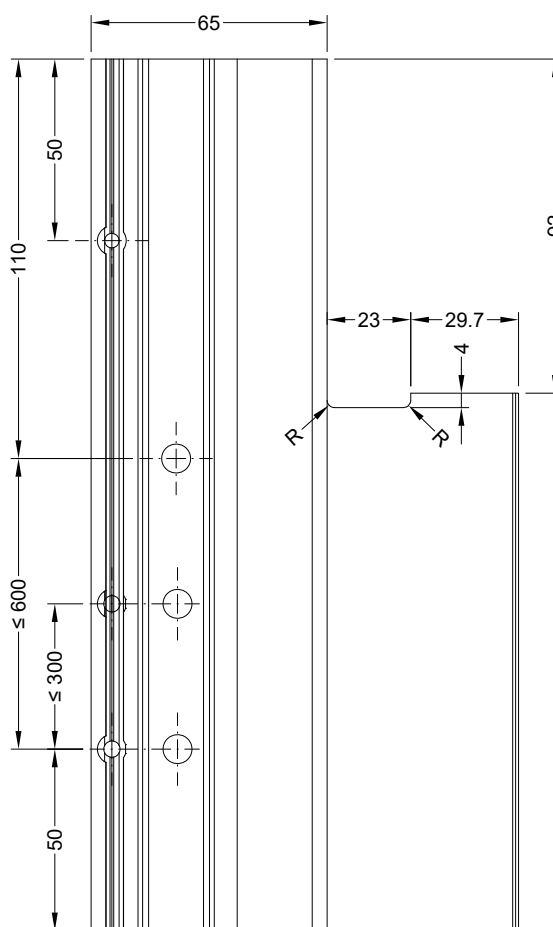
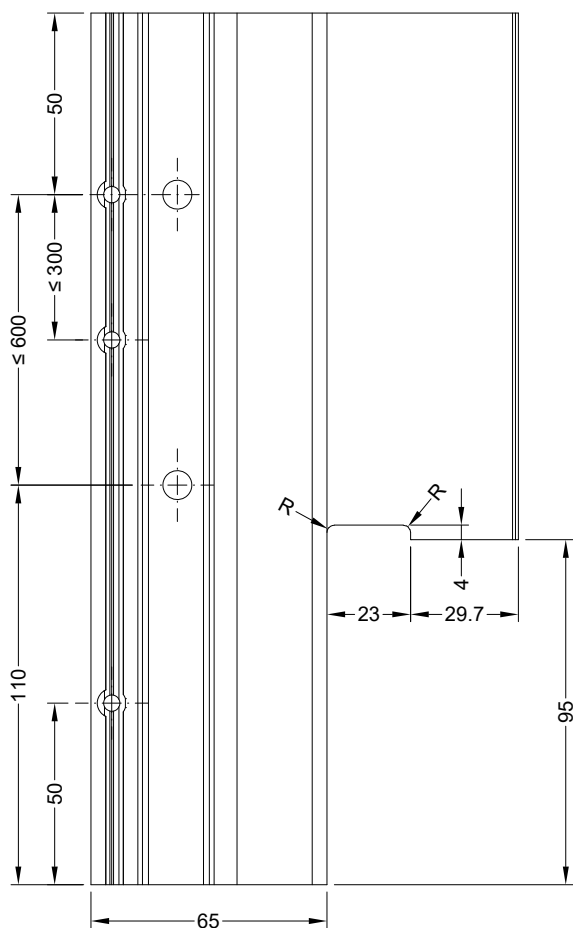
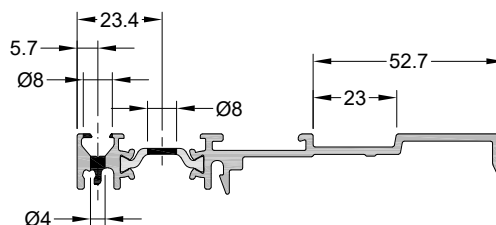
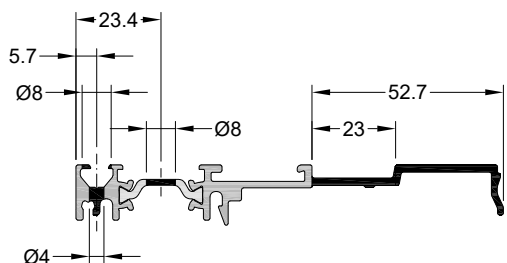
B 813920



Schema MG1 dargestellt
 Scheme MG1 shown



Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted



BELÜFTUNG
 VENTILATION

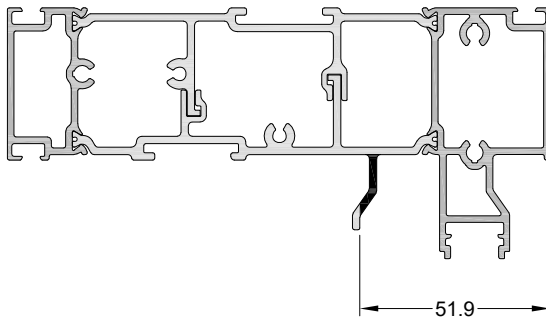
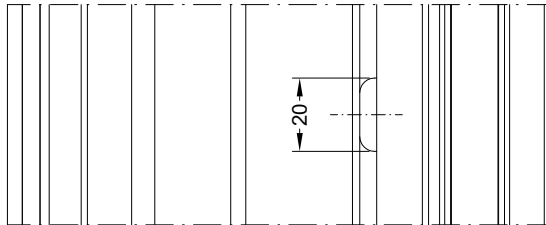
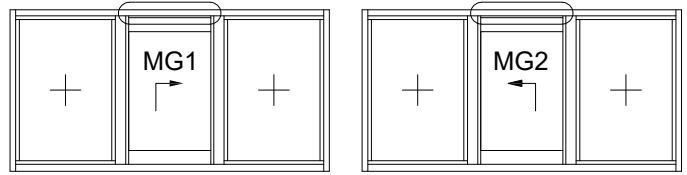
B 813071



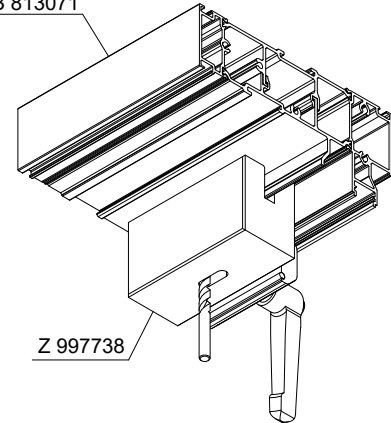
Z 997738



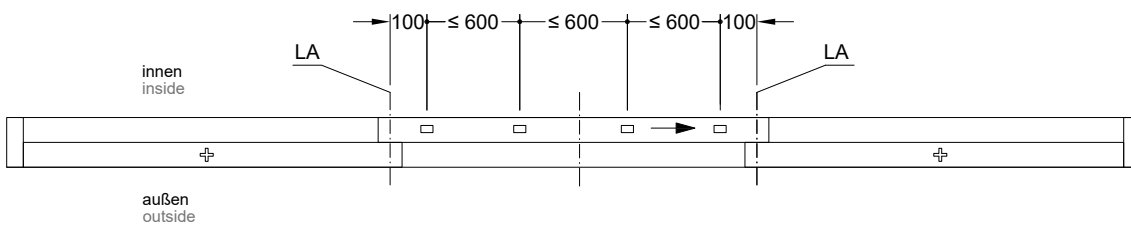
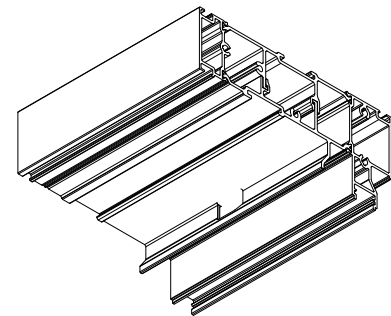
Ø 6



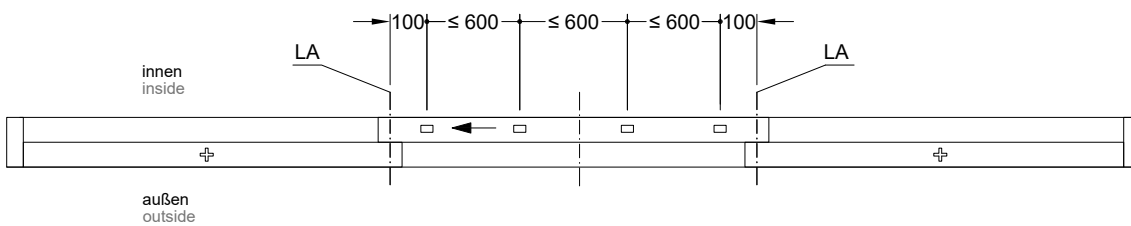
B 813071



Z 997738



MG1

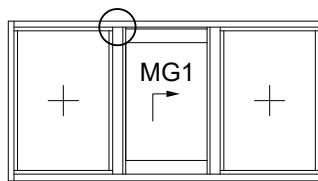


MG2

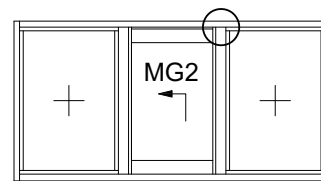
□ Fräsung Ø6 □ milling Ø6

STOSSVERBINDER
 T-BRACKET

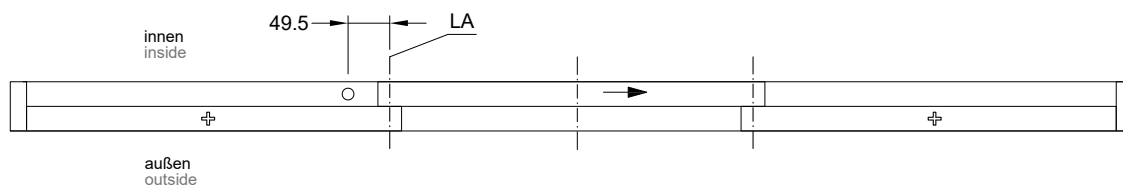
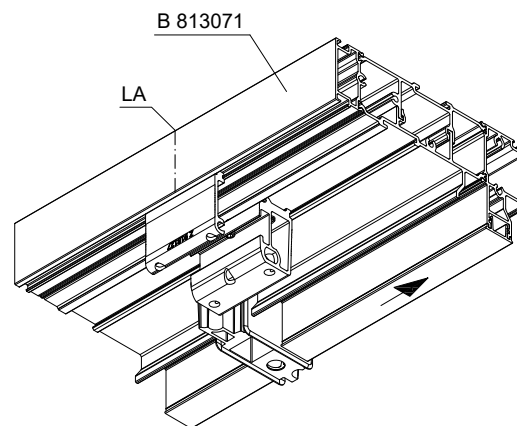
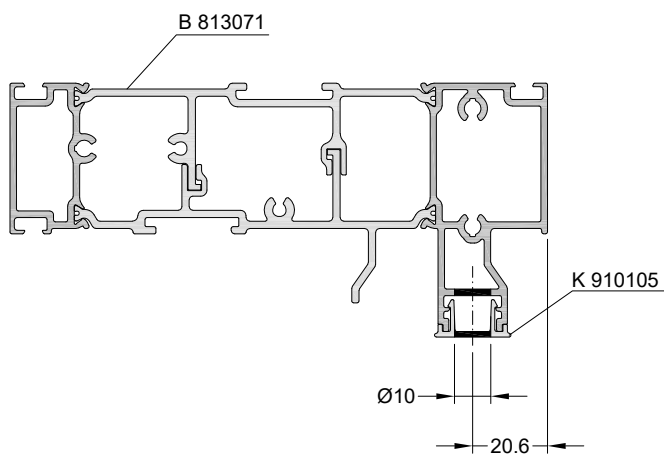
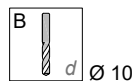
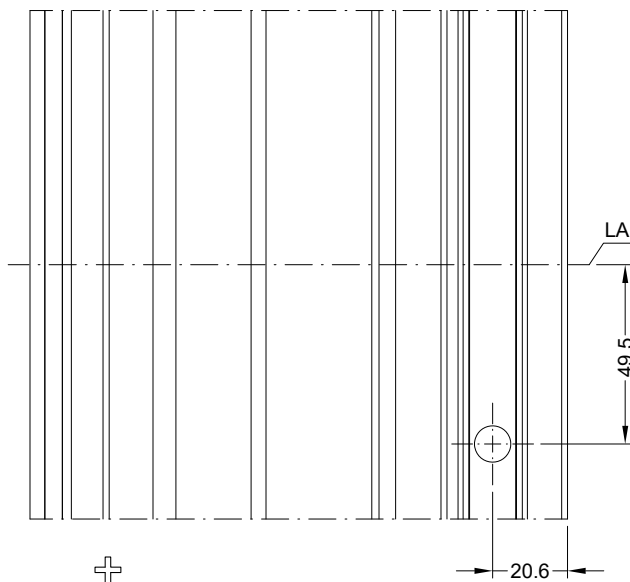
B 813071 + K 910105



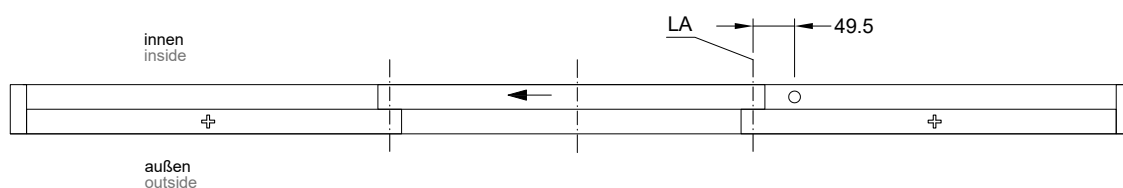
Schema MG1 dargestellt
 Scheme MG1 shown



Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted



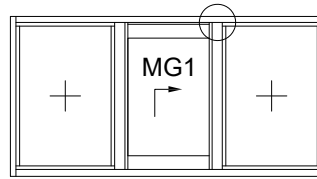
MG1



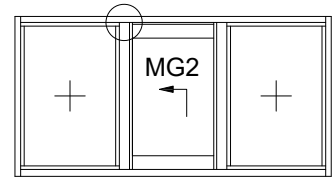
MG2

DICHTFORMTEIL
 SHAPED GASKET PIECE

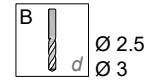
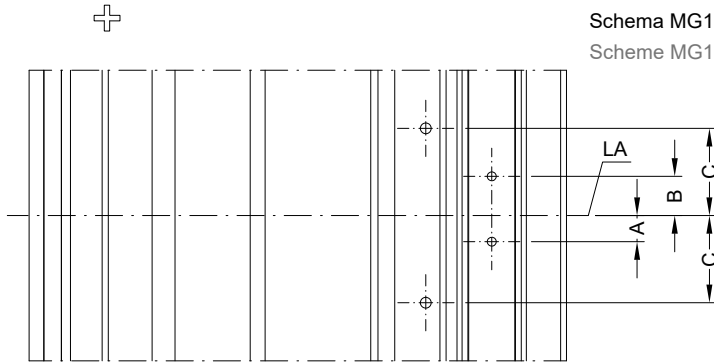
B 813071 + K 910105



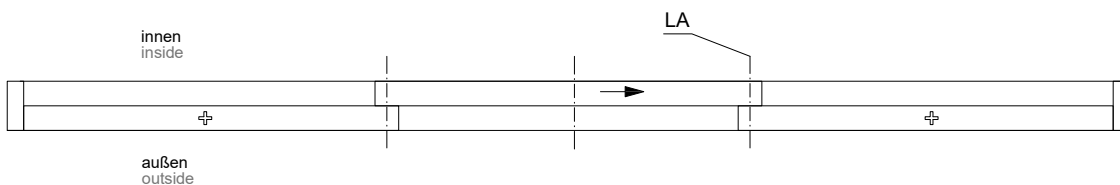
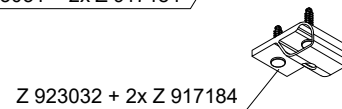
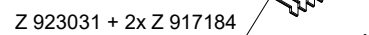
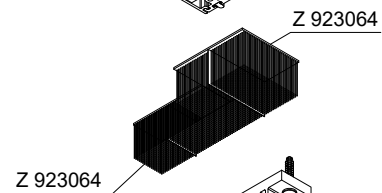
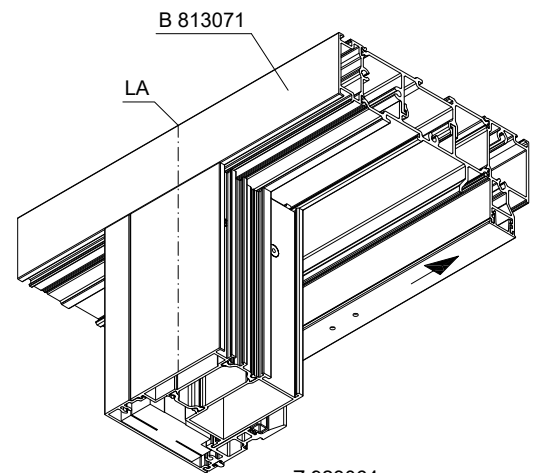
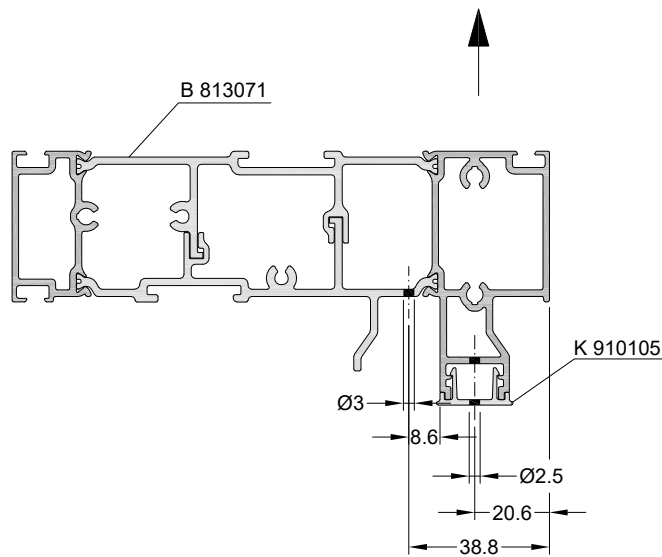
Schema MG1 dargestellt
 Scheme MG1 shown



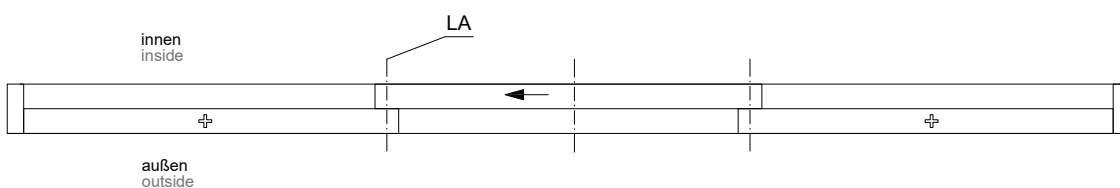
Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted



A	B	C
7	11	24



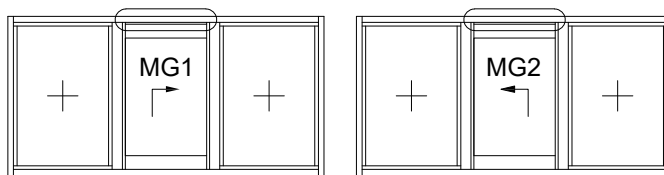
MG1



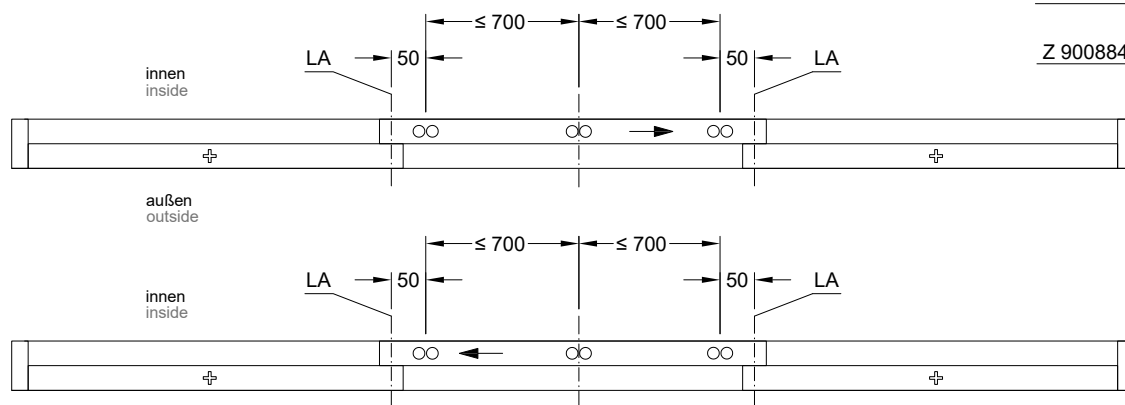
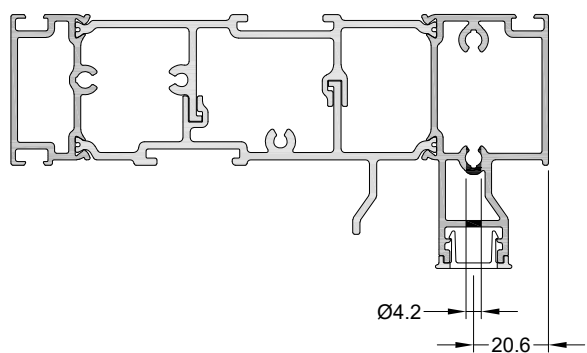
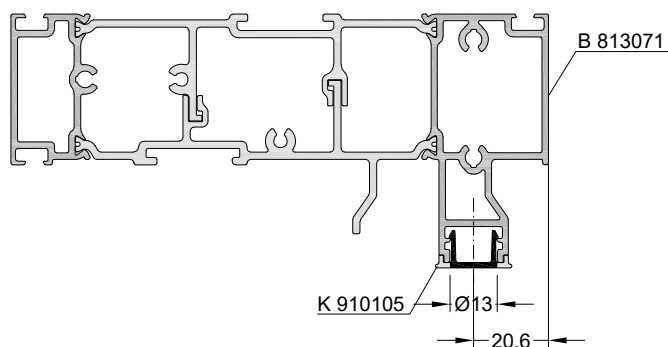
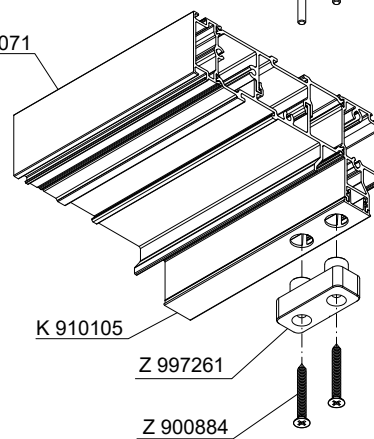
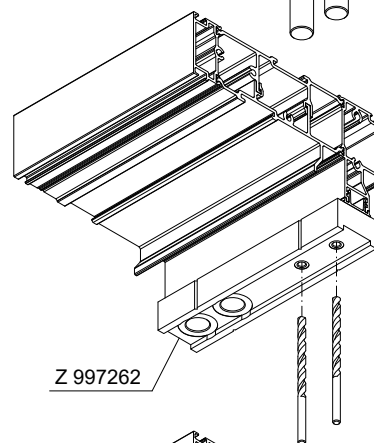
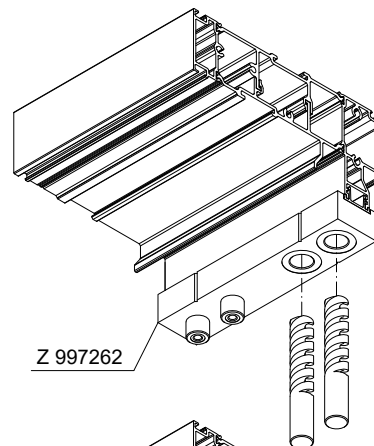
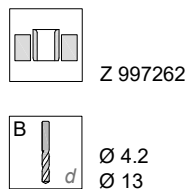
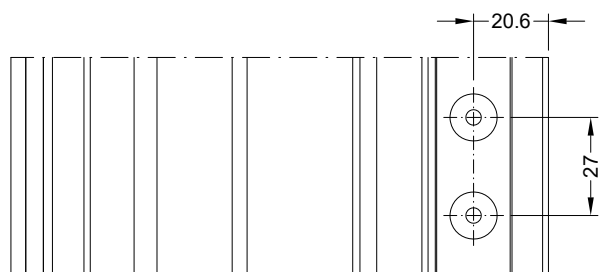
MG2

WINDSICHERUNG
 WIND PROTECTION

Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



B 813071 + K910105



MG1

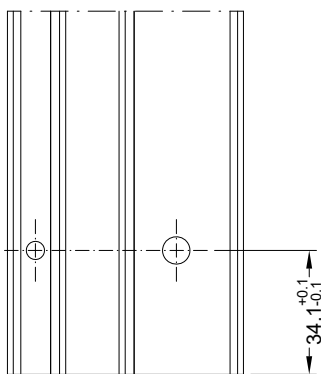
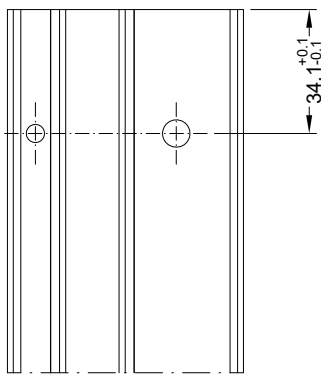
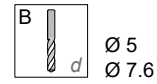
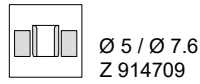
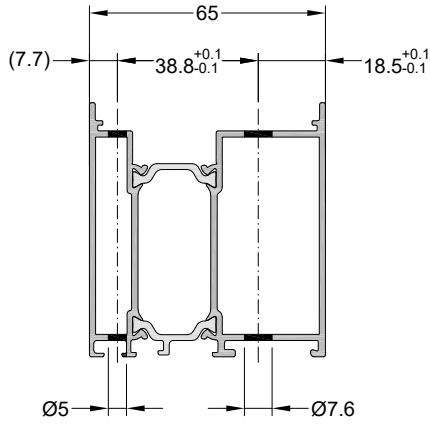
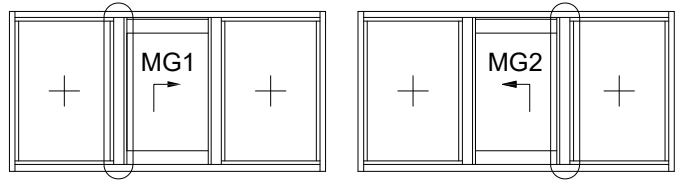
MG2

∞ Bohrung $\varnothing 13 / \varnothing 4.3$

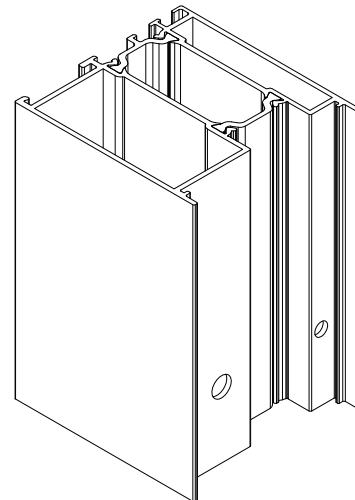
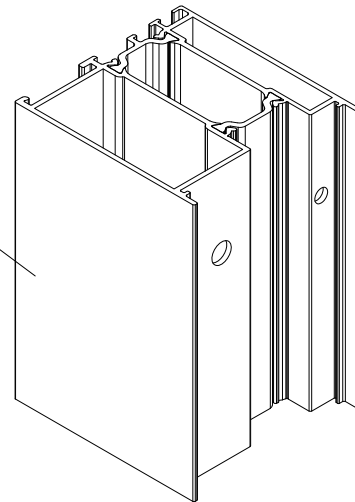
∞ drill hole $\varnothing 13 / \varnothing 4.3$

STOSSVERBINDER
 T-BRACKET

B 813110

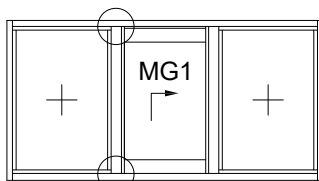
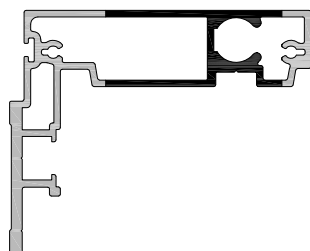
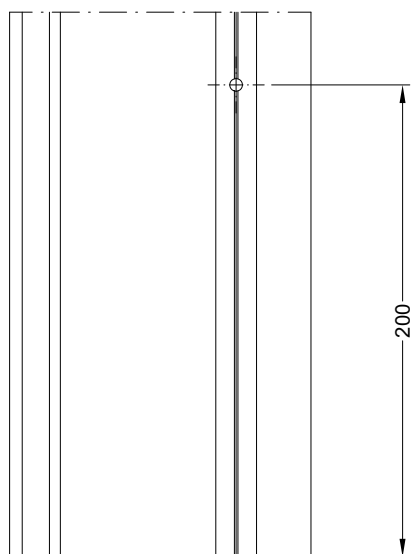
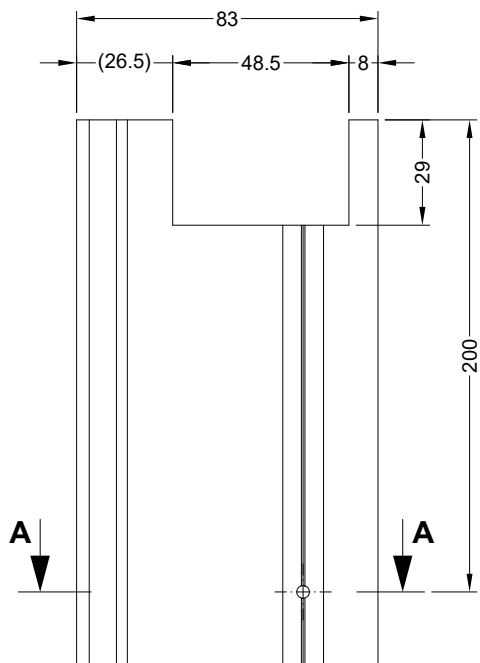


B 813110

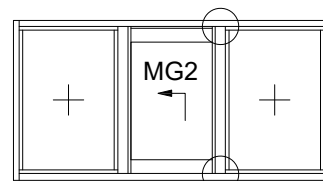


ANSCHLAGPUFFER
 STOP BUFFER

P 515005

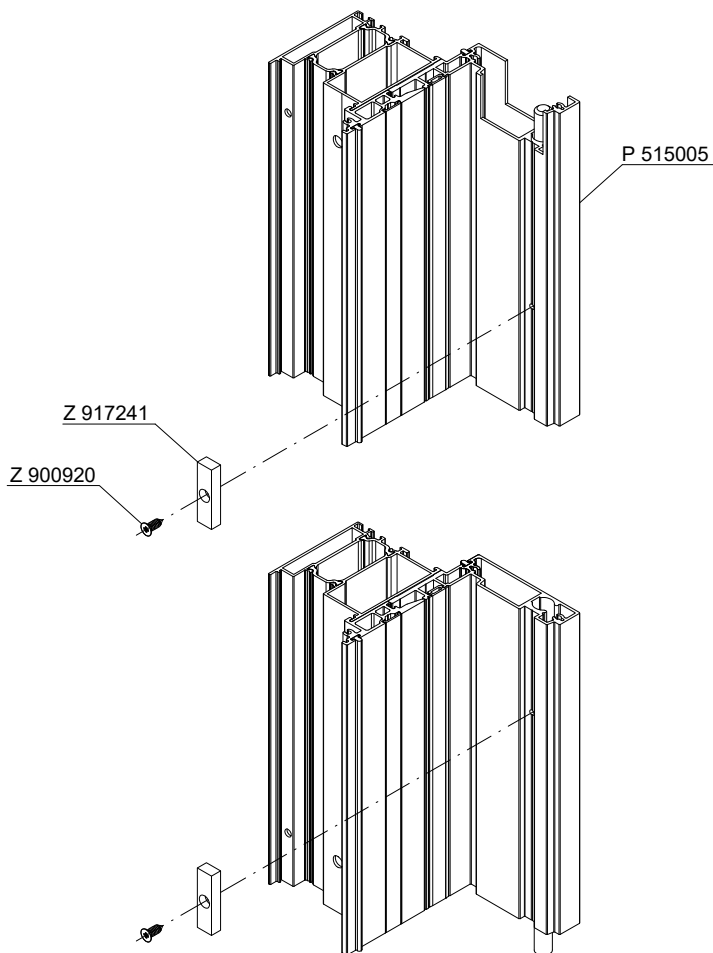
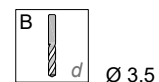
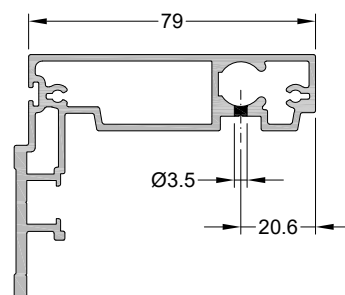


Schema MG1 dargestellt
 Scheme MG1 shown

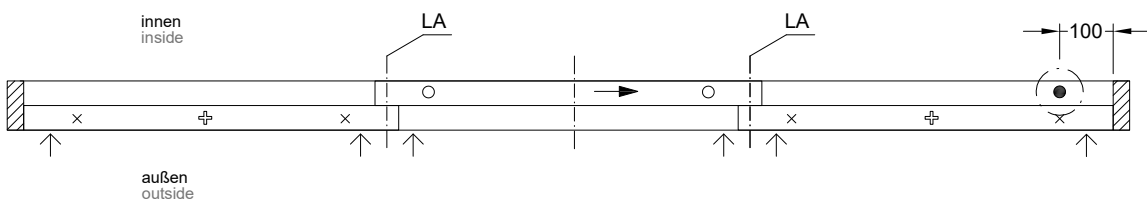
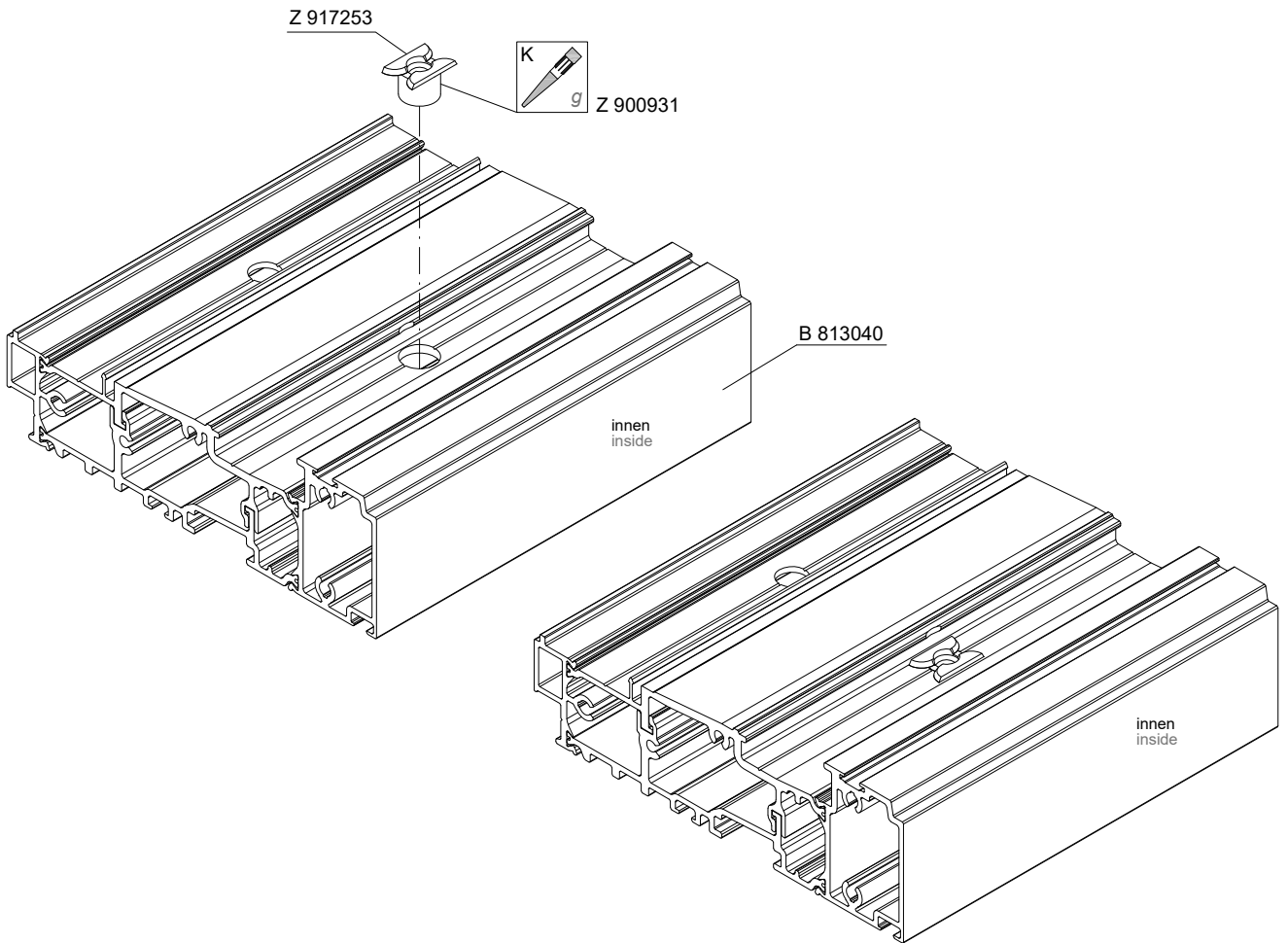
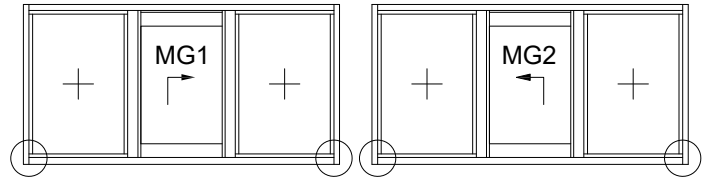
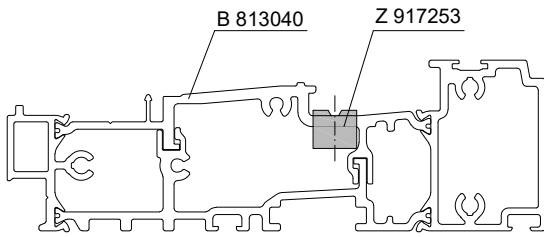


Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted

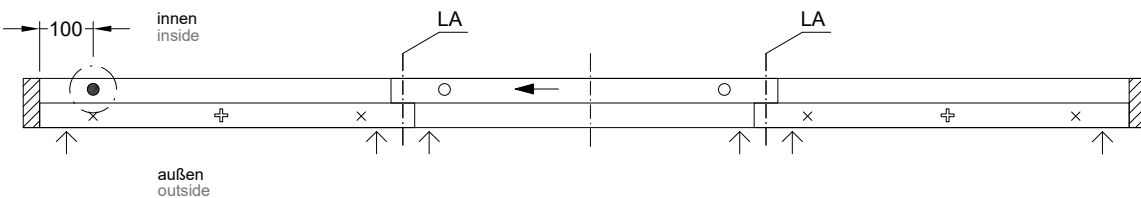
A - A



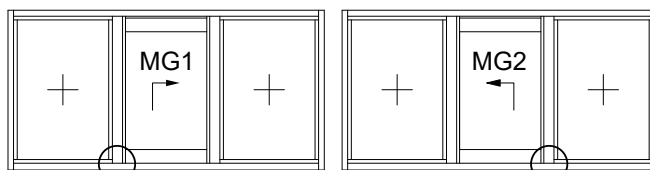
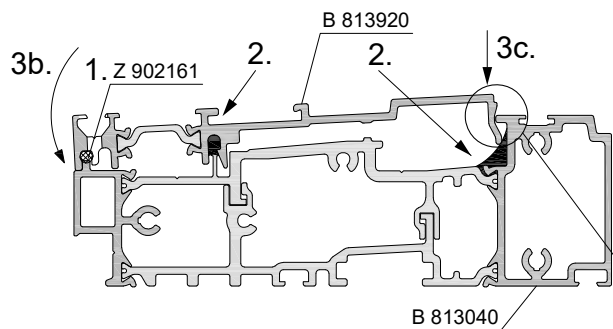
MONTAGE • BELÜFTUNG / ENTWÄSSERUNG
 ASSEMBLY • VENTILATION / DRAINAGE



MG1



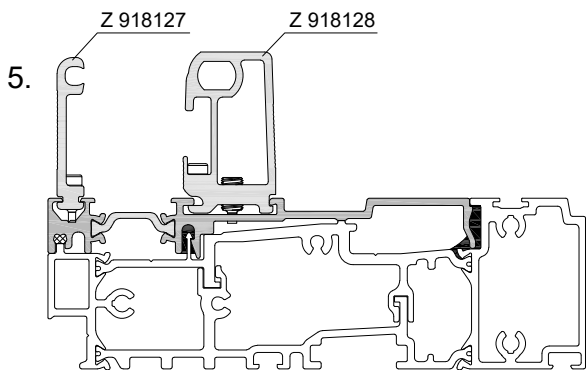
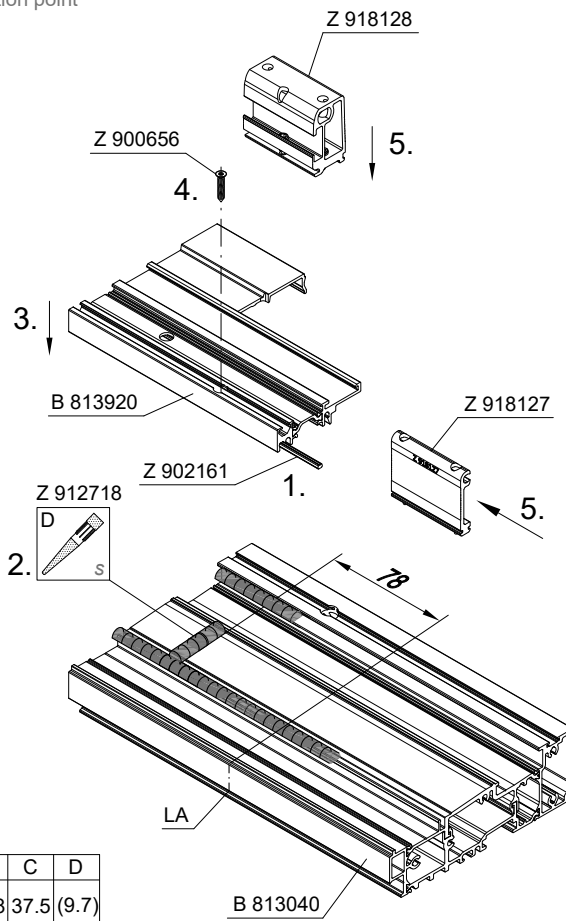
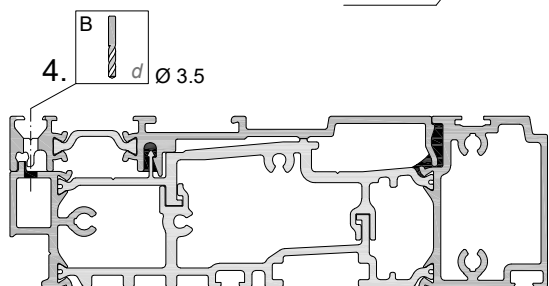
MG2



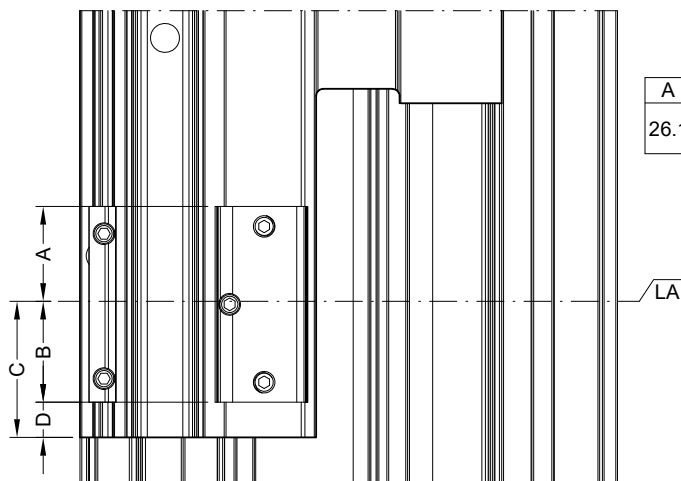
Schema MG1 dargestellt
 Scheme MG1 shown

Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted

3a.
 Anlagepunkt
 Installation point



A	B	C	D
26.1	27.8	37.5	(9.7)

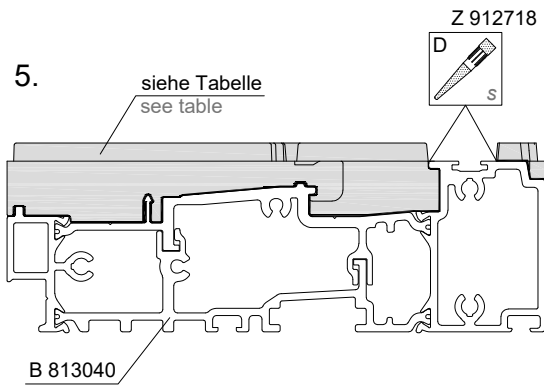


Bearbeitungsschritte Schema MG1

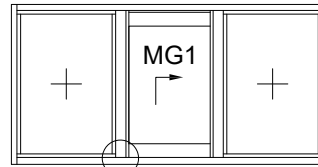
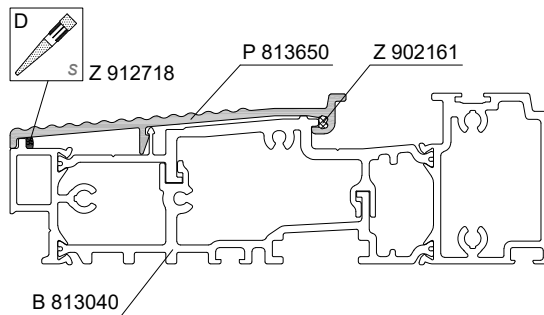
1. Dichtungsrundschnur Z 902161 in B 813920 eindrücken
2. Dichtstoff auf Blendrahmen B 813040 und Profil B 813920 aufbringen
3. a) B 813920 von außen gesehen rechts bündig und am Anlagepunkt anlegen / b) eindrehen / c) andrücken
4. Profil B 813040 mit Ø 3.5 mm bohren und mit Profil B 813920 und Schrauben Z 900656 verbinden
5. Stoßverbinder in B 813920 einschieben / einhängen, ausrichten und die Schrauben andrehen

Processing steps scheme MG1

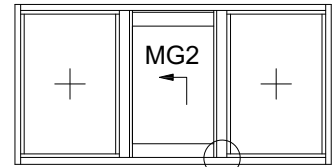
1. Insert gasket cord Z 902161 in profile B 813920
2. Apply sealing compound on profile B 813040 and B 813920
3. a) Place B 813920 mit Ø 3.5 mm bohren, in contact with the installation point / b) Turn in / c) Press down
4. Profile B 813040 drill with Ø 3.5 mm and connect with screws Z 900656 and Profile B 813920
5. Install T-brackets with B 813920 and fix with screws after adjusting



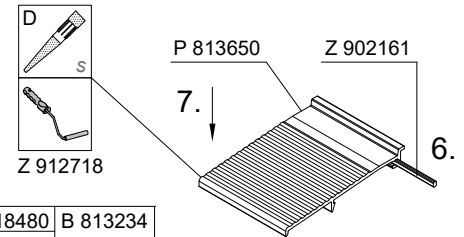
6. + 7.



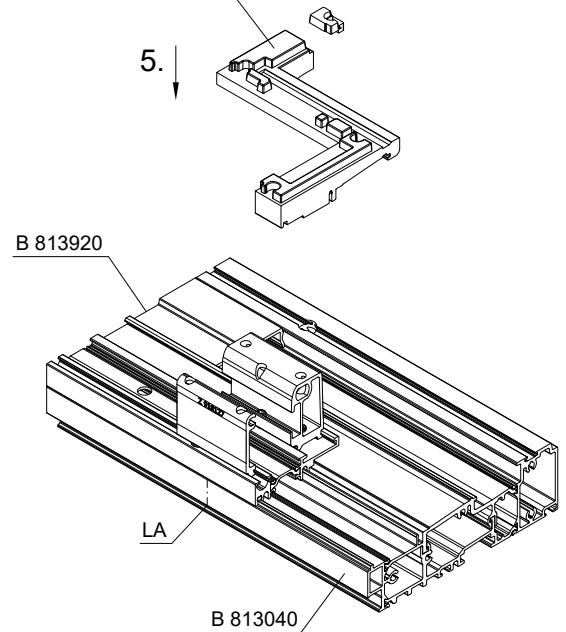
Schema MG1 dargestellt
Scheme MG1 shown



Schema MG2 spiegelbildlich
Scheme MG2 mirror inverted



MG1	Z 918480	B 813234
MG2	Z 918479	B 813235

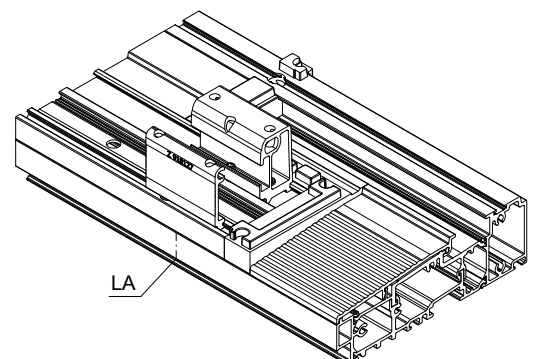


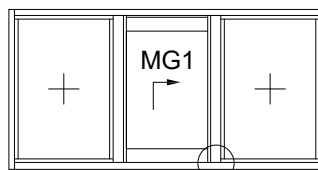
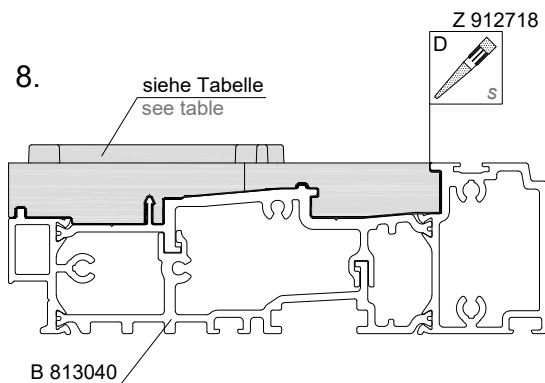
Bearbeitungsschritte Schema MG1

5. Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu Profil B 813920 einsetzen
6. Dichtungsroundschnur Z 902161 in Profil P 813650 eindrücken
7. Dichtstoff auf Blendrahmen B 813040 und Profil P 813650 aufbringen und Profil P 813650 bündig zum Dichtungsformteil einklipsen

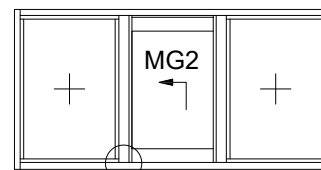
Processing steps scheme MG1

5. Fix the shaped gasket piece (see table) with sealing compound flush to profile B 813920
6. Insert gasket cord Z 902161 in profile B 813650
7. Apply sealing compound to fixed frame B 813040 and profile P 813650 and snap on P 813650 flush with shaped gasket piece

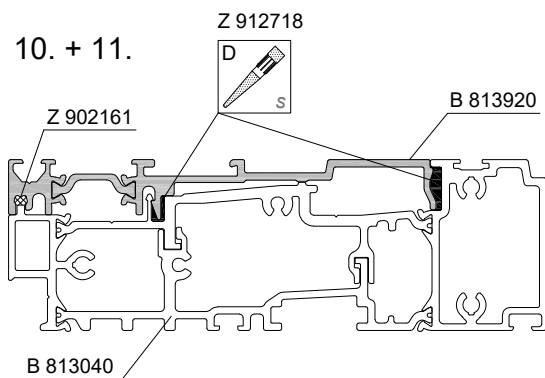
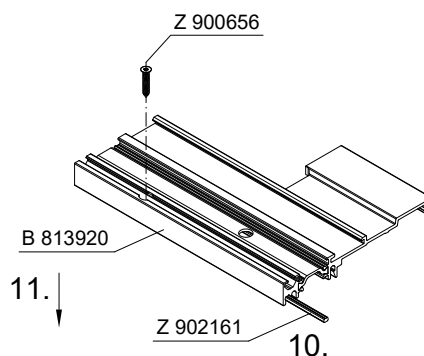
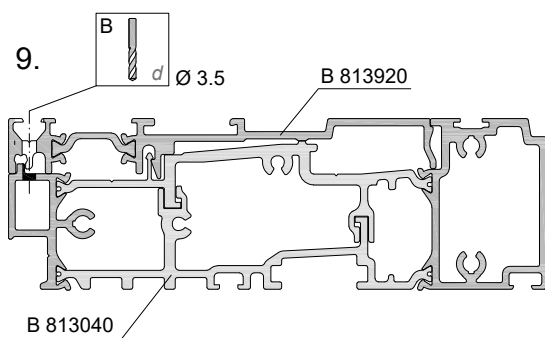




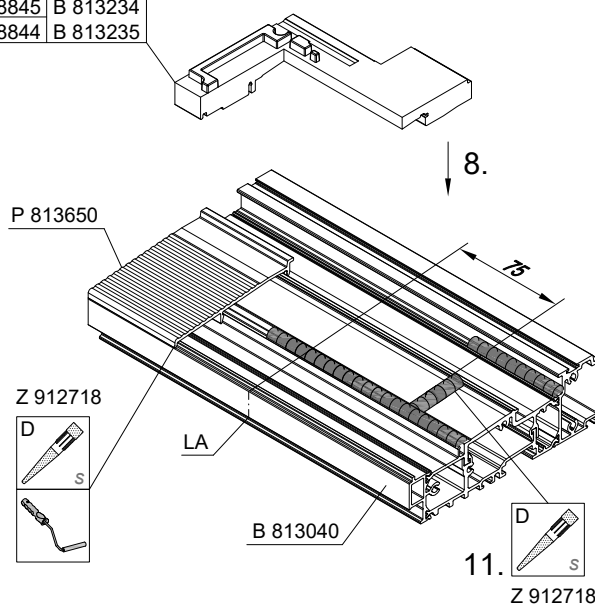
Schema MG1 dargestellt
 Scheme MG1 shown



Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted



MG1	Z 918845	B 813234
MG2	Z 918844	B 813235

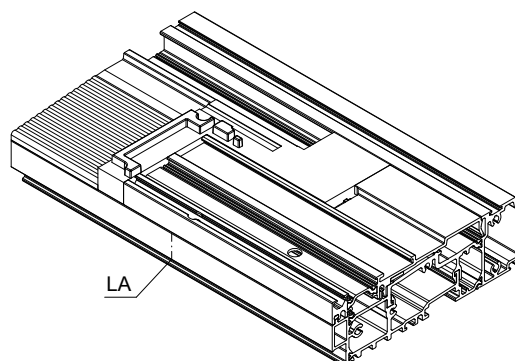


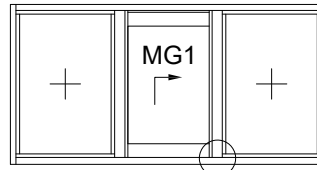
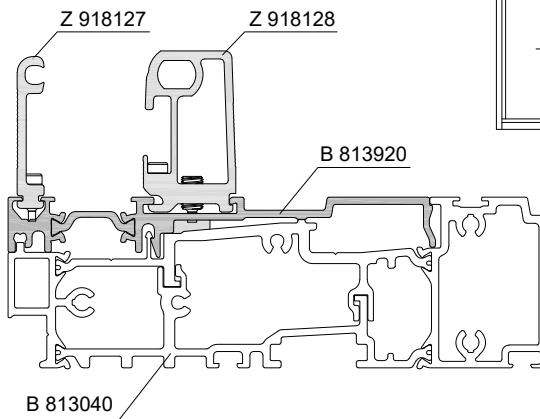
Bearbeitungsschritte Schema MG1

8. Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu Profil P 813650 einsetzen
9. Profil B 813920 auf Blendrahmen B 813040 auflegen und Ø 3.5 mm bohren
10. Dichtungsroundschnur Z 902161 in B 813920 eindrücken
11. Dichtstoff auf Blendrahmen B 813040 und B 813920 aufbringen und B 813920 bündig zum Dichtungsformteil mit Schrauben Z 900656 auf B 813040 befestigen

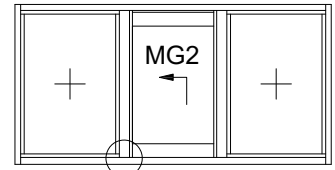
Processing steps scheme MG1

8. Fix the shaped gasket piece (see table) with sealing compound flush to profile B 813650
9. Place on profile B 813920 on fixed frame B 813040 and drill holes Ø 3.5 mm
10. Insert gasket cord Z 902161 in profile B 813920
11. Apply sealing compound to fixed frame B 813040 and profile B 813920 and snap on B 813920 flush with shaped gasket piece

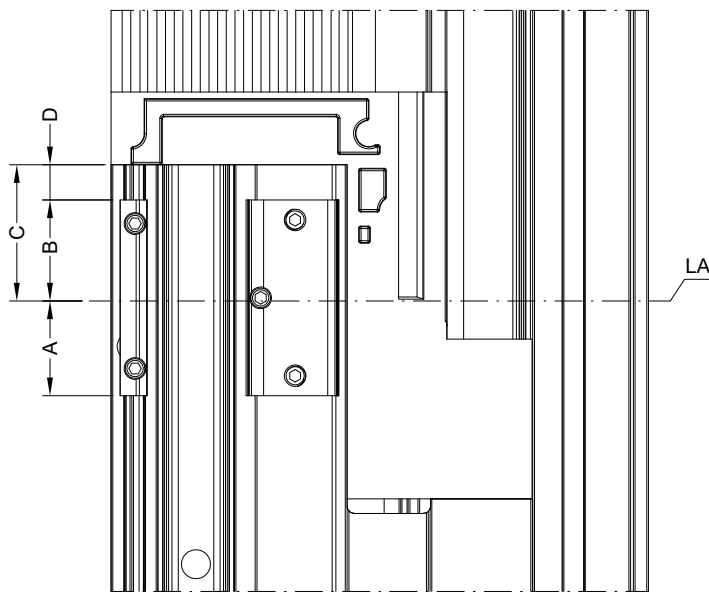




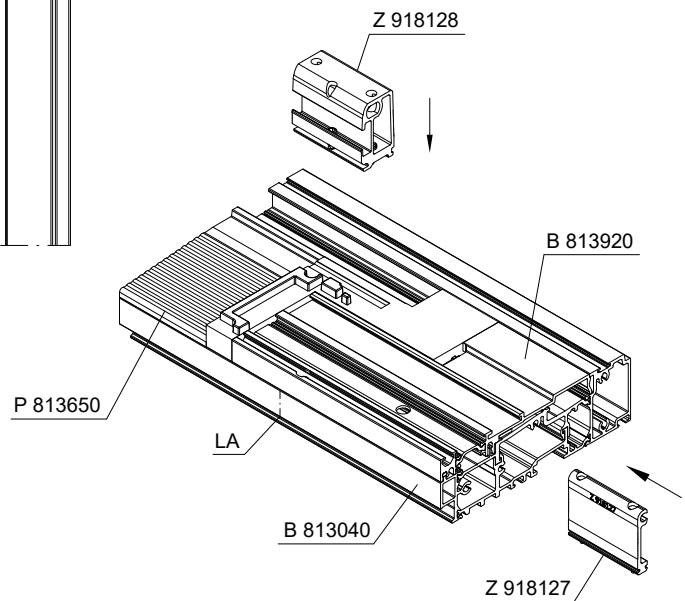
Schema MG1 dargestellt
 Scheme MG1 shown



Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted



A	B	C	D
26.1	27.8	37.5	(9.7)

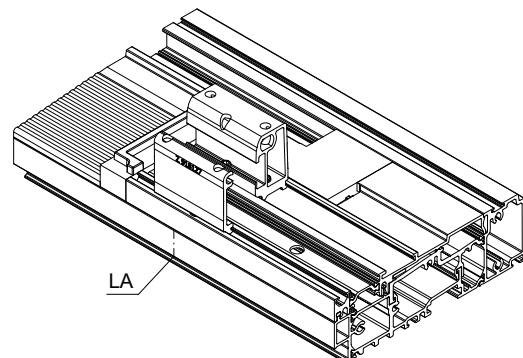


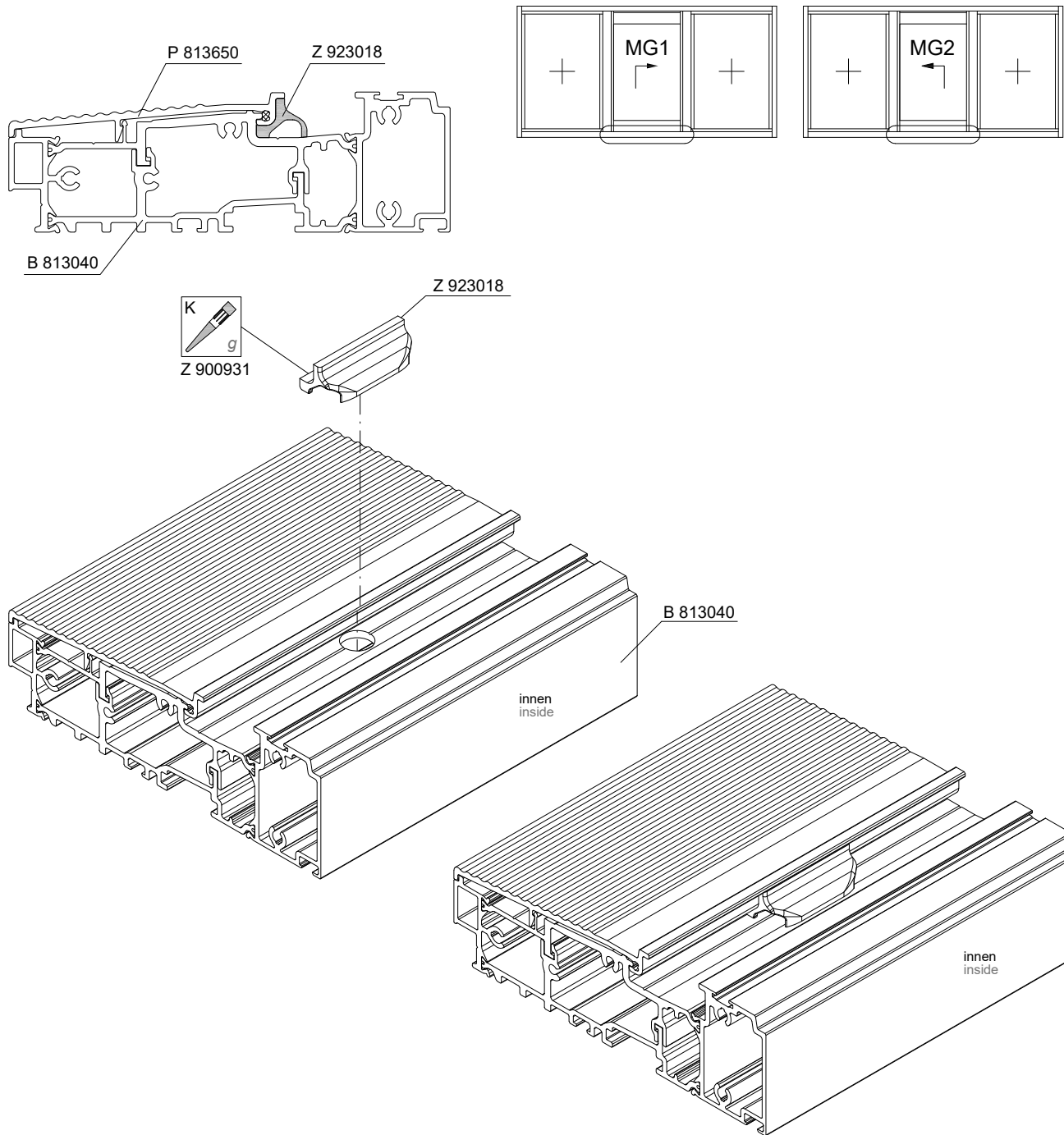
Bearbeitungsschritte Schema MG1

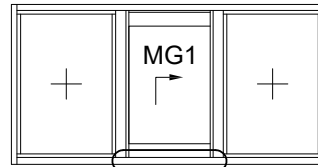
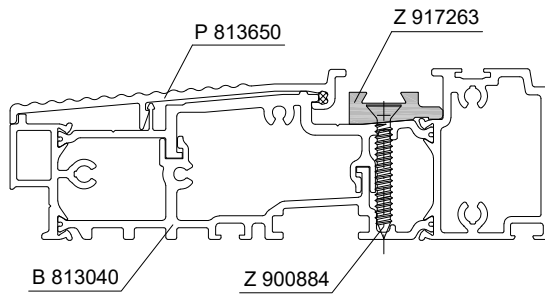
12. Stoßverbinder Z 918127 und Z 918128 in B 813920 einschieben / einhängen, ausrichten und die Schrauben andrehen

Processing steps scheme MG1

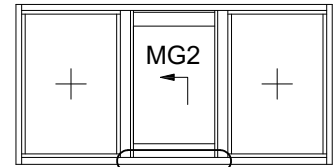
12. Insert T- brackets Z 918127 and Z 918128 in B 813920 and fix with screws



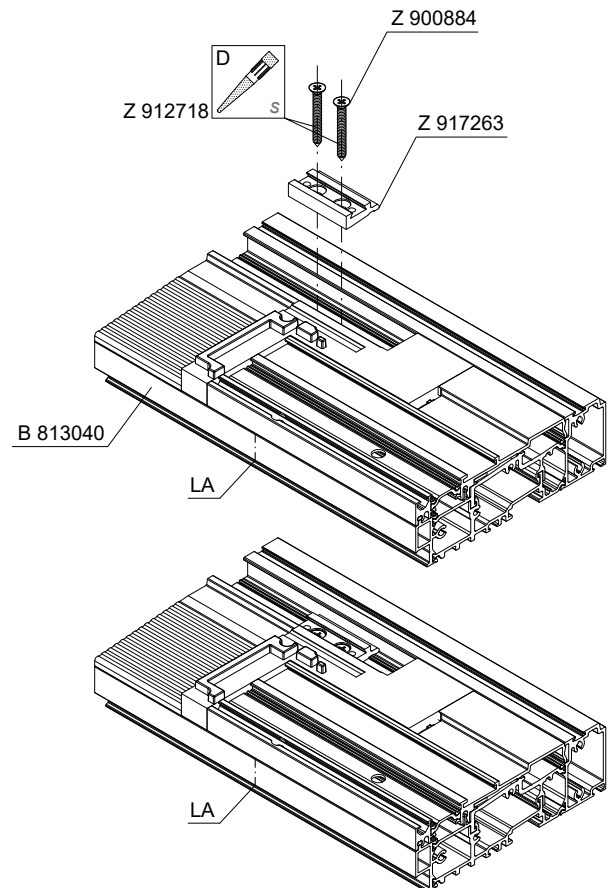
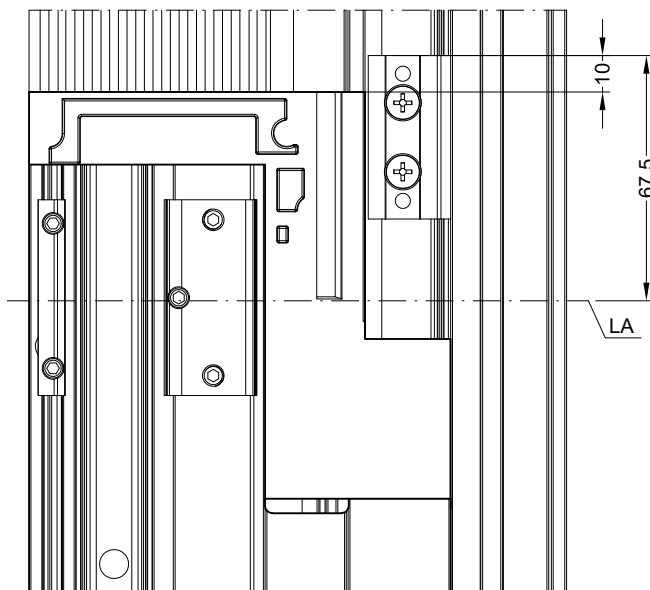




Schema MG1 dargestellt
Scheme MG1 shown



Schema MG2 spiegelbildlich
Scheme MG2 mirror inverted



Bearbeitungsschritte Schema MG1

1. Unterteil Z 917263 in Profil B 813040 einsetzen
2. Mit Senkblechschrauben Z 900884 ohne vorbohren verschrauben

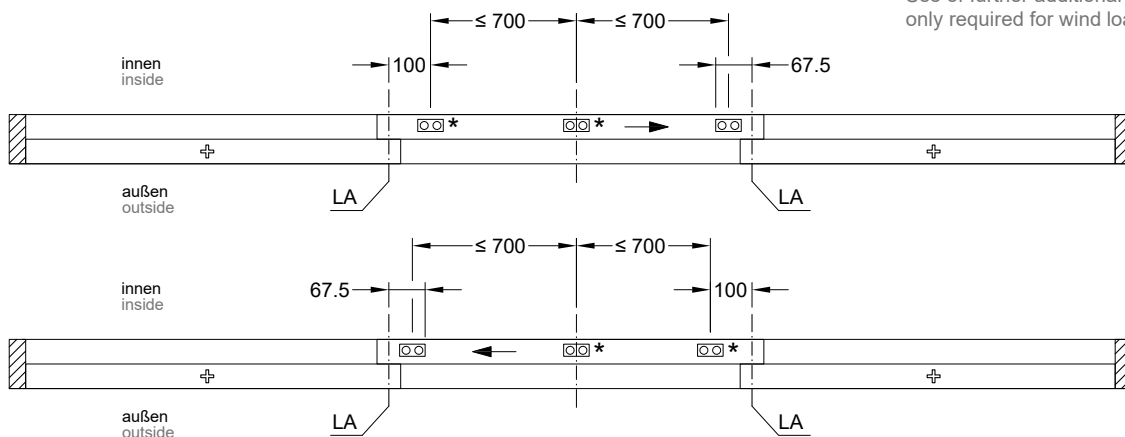
Processing steps scheme MG1

1. Insert base part Z 917263 into profile B 813040
2. Fix it with countersunk self-tapping screw Z 900884 without pre-drilling

Darstellung ohne Stoßverbinder!
Shown without T-bracket

* Verwendung weiterer Zusatzverriegelungen nur bei Windlasten ab 2000 Pa erforderlich

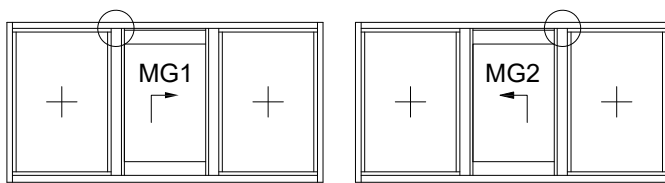
* Use of further additional locking systems only required for wind loads from 2000 Pa



MG1

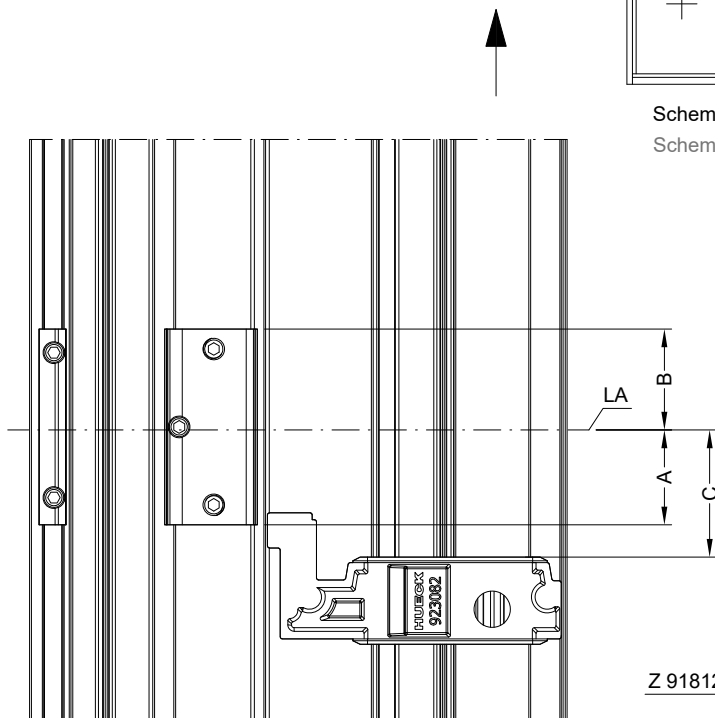
MG2

RAHMENMONTAGE
 FRAME ASSEMBLY

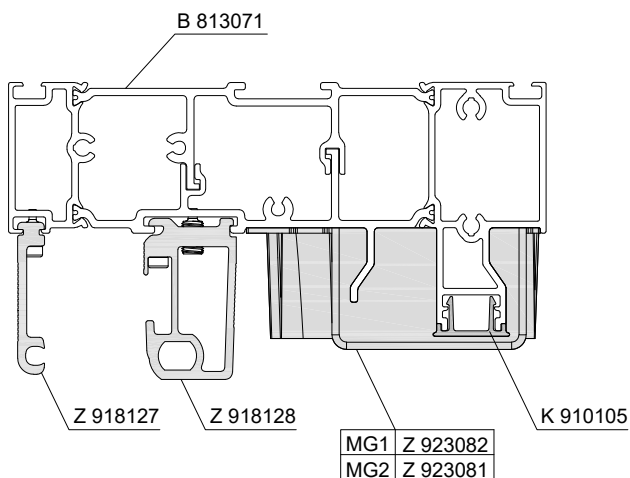
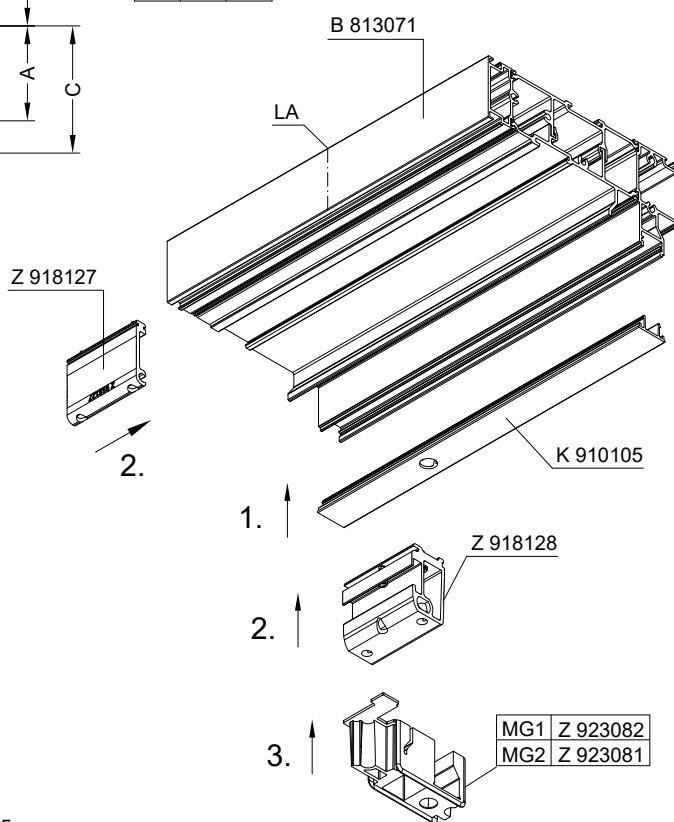


Schema MG1 dargestellt
 Scheme MG1 shown

Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted



A	B	C
26.1	27.8	35



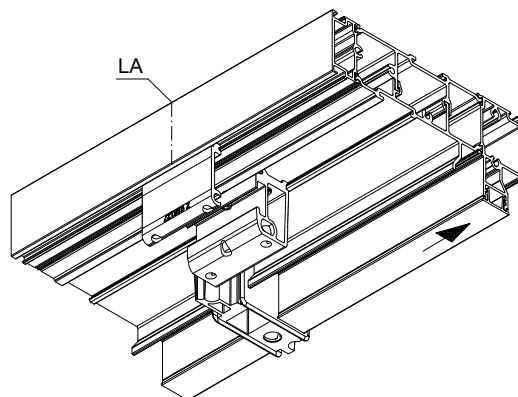
MG1	Z 923082
MG2	Z 923081

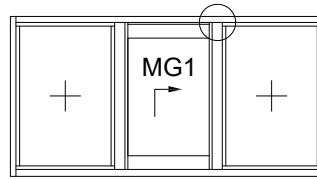
Bearbeitungsschritte Schema MG1

1. Abdeckprofil K 910105 auf Blendrahmen B 813071 aufklipsen
2. Stoßverbinder Z 918127 und Z 918128 in Blendrahmen B 813071 einschieben / einhängen, ausrichten und die Schrauben andrehen
3. Dichtformteil (siehe Tabelle) in B 813071 eindrücken

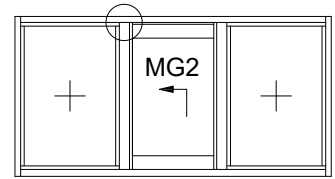
Processing steps scheme MG1

1. Snap on cover profil K 910105 to fixed frame B 813071
2. Insert T-brackets Z 918127 and Z 918128 in fixed frame B 813071 and fix with screws
3. Clip in the shaped gasket piece (see table) on fixed frame B 813071

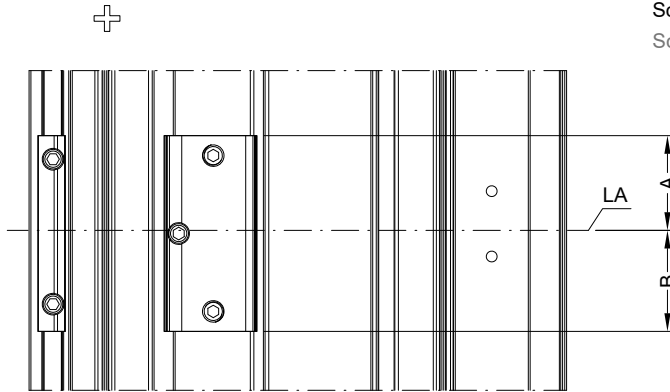




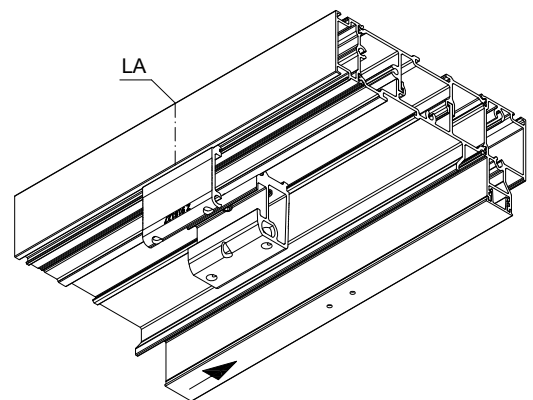
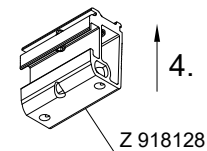
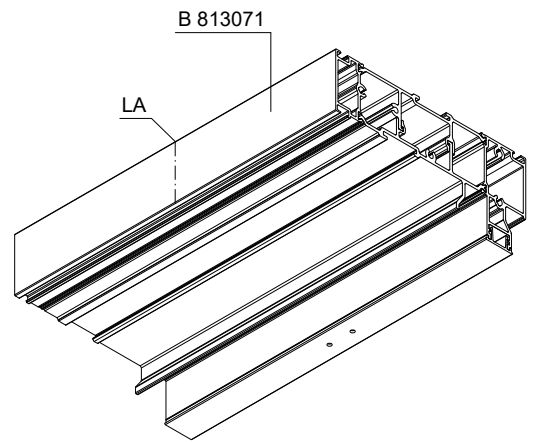
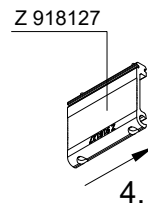
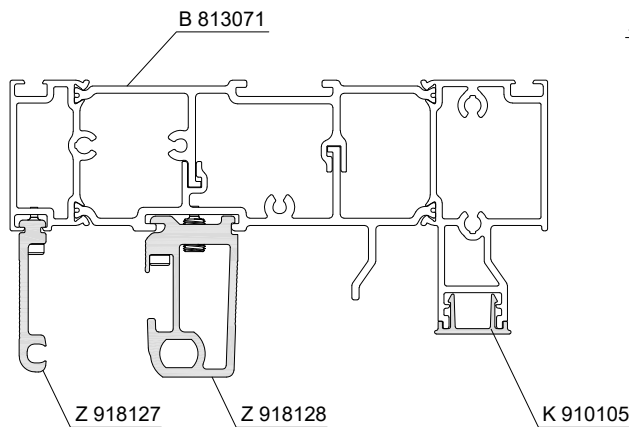
Schema MG1 dargestellt
 Scheme MG1 shown



Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted



A	B
26.1	27.8



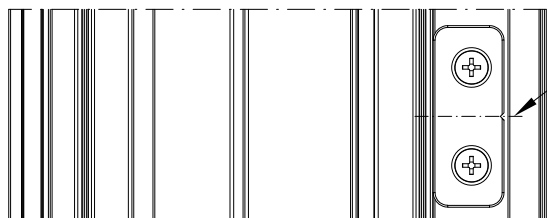
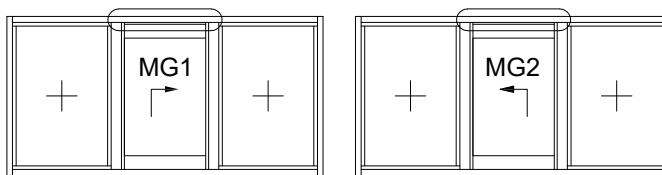
Bearbeitungsschritte Schema MG1

4. Stoßverbinder Z 918127 und Z 918128 in Blendrahmen B 813071 einschieben / einhängen, ausrichten und die Schrauben andrehen

Processing steps scheme MG1

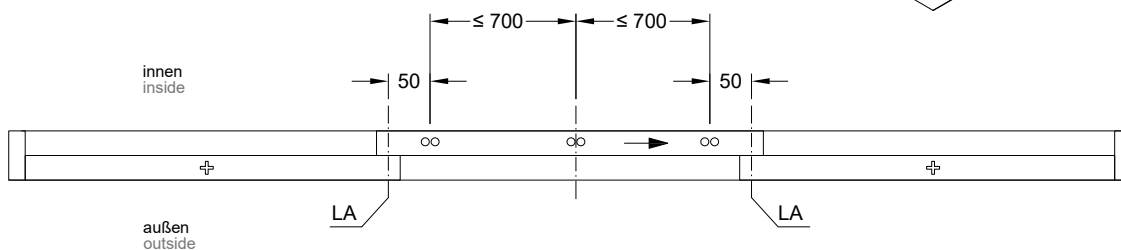
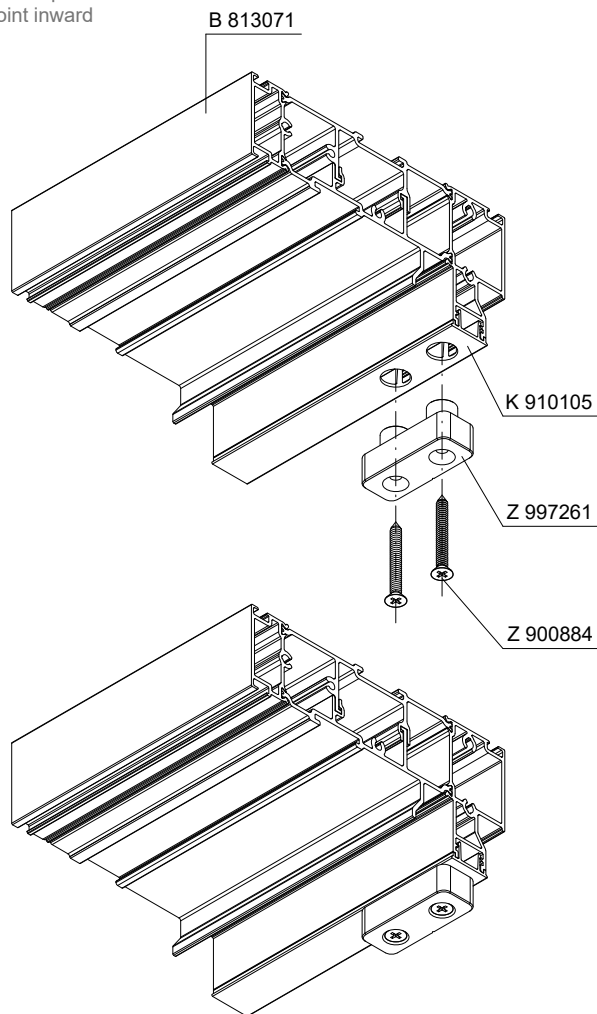
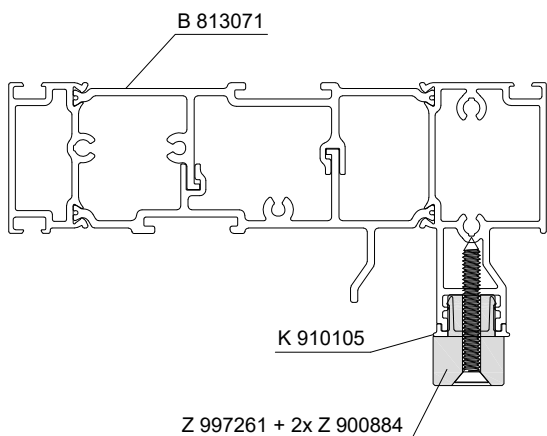
4. Insert T- brackets Z 918127 and Z 918128 in fixed frame B 813071 and fix with screws

Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa

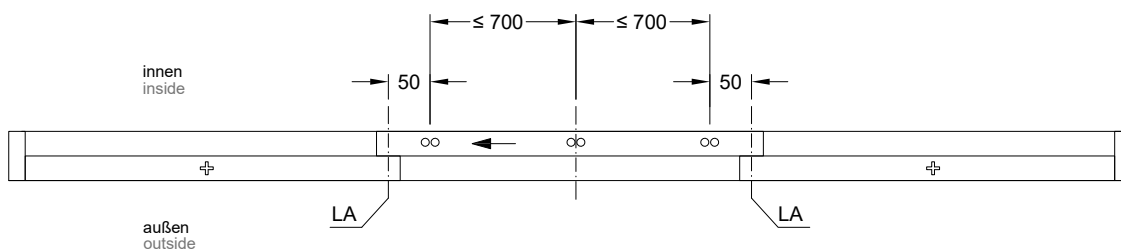


Asymmetrisches Bauteil
 Markierung muss nach innen zeigen

Asymmetrical component
 Mark must point inward



MG1



MG2

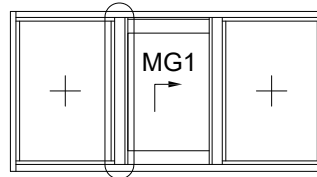
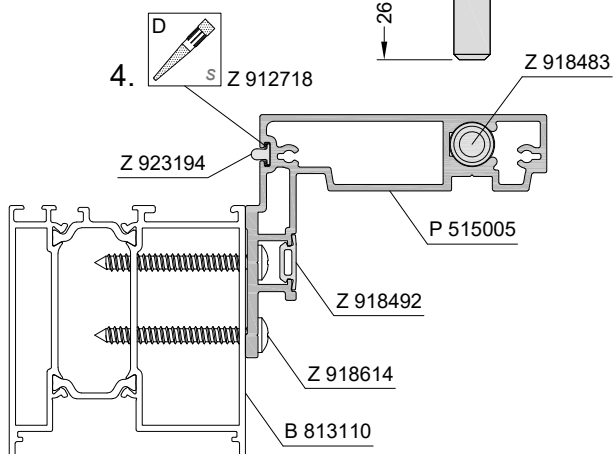
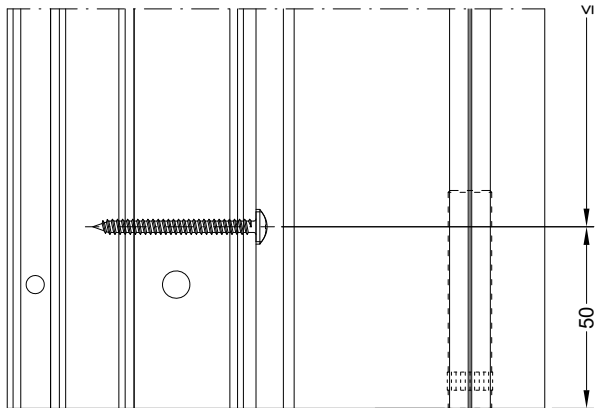
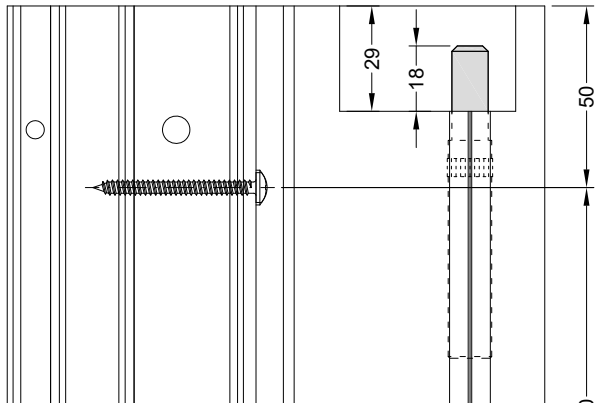
RAHMENMONTAGE
FRAME ASSEMBLY

Bearbeitungsschritte Schema MG1

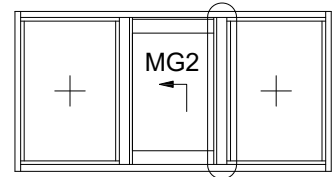
1. Zusatzprofil P 515005 am Pfostenprofil B 813110 ausrichten und fixieren
2. Ø 3.5 mm bohren für Schrauben Z 918614
3. Zusatzprofil abnehmen und Ø 4.5 mm aufbohren
4. Verbinder Z 918483 oben und unten ins Zusatzprofil P 515005 einschlagen
5. Dichtung Z 923194 ins Zusatzprofil einziehen und oben und unten mit Z 912718 fixieren
6. Zusatzprofil am Pfosten ausrichten mit Schrauben Z 918614 verschrauben
7. Abdeckung Z 918492 aufdrücken

Processing steps scheme MG1

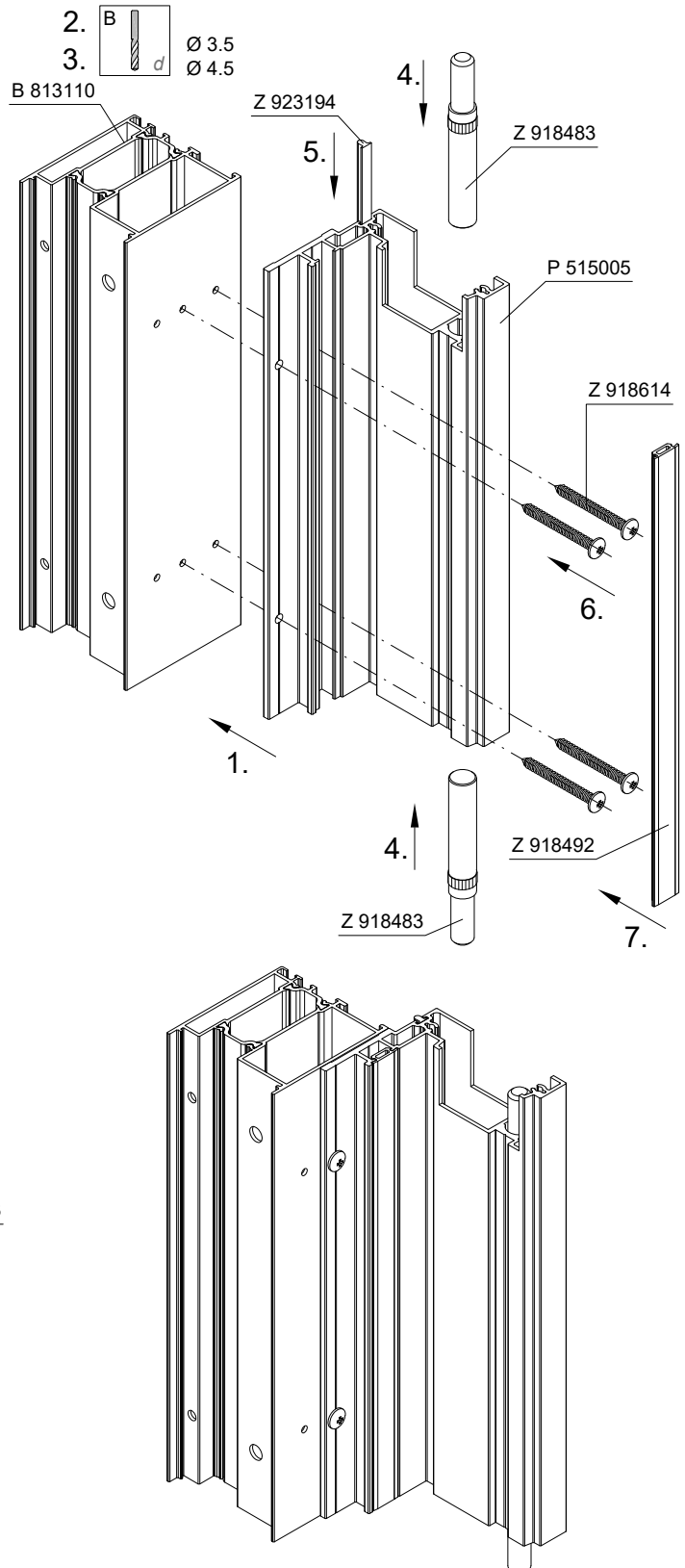
1. Adjust supplementary profile P 515005 to fixed frame B 813110 and fix it
2. Drill holes Ø 3.5 mm for screws Z 918614
3. Take away the supplementary profile and drill holes Ø 4.5 mm
4. Insert bracket Z 918483 above and below into the supplementary profile P 515005
5. Insert gasket Z 923194 in supplementary profile and fix it with sealing compound above and below
6. Adjust the supplementary profile to mullion and fix it with screws Z 918614
7. Snap on cover profile Z 918492



Schema MG1 dargestellt
Scheme MG1 shown



Schema MG2 spiegelbildlich
Scheme MG2 mirror inverted



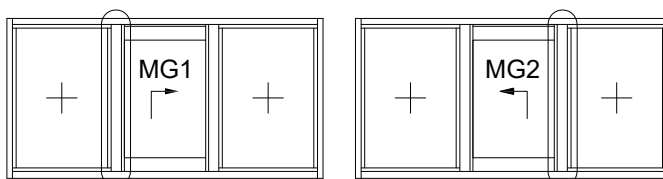
RAHMENMONTAGE
 FRAME ASSEMBLY

Bearbeitungsschritte Schema MG1

8. Dichtung Z 923194 im Labyrinthprofil K 910154 einziehen und oben und unten mit Dichtstoff fixieren
9. Labyrinthprofil stirnseitig oben mit Dichtstoff versiegeln und am Pfostenprofil B 813110 ausrichten
10. Durch Labyrinthprofil und Pfostenprofil mit $\varnothing 3,5$ mm bohren
11. Labyrinthprofil mit Schrauben Z 917634 am Pfostenprofil verschrauben
12. Abdeckung Z 923055 aufdrücken

Processing steps scheme MG1

8. Insert gaskets Z 923194 in labyrinth profile K 910154 and fix it with sealing compound at the top and bottom
9. Seal labyrinth profile on top and adjust to mullion B 813110
10. Drill holes through labyrinth profile and mullion with $\varnothing 3.5$ mm
11. Fix labyrinth profile with screws Z 917634 at the mullion
12. Snap on cover profile Z 923055

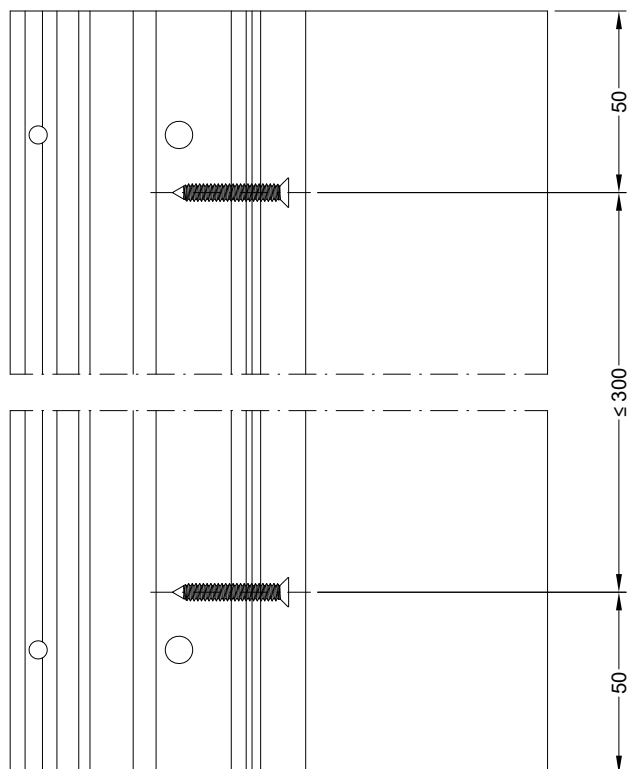
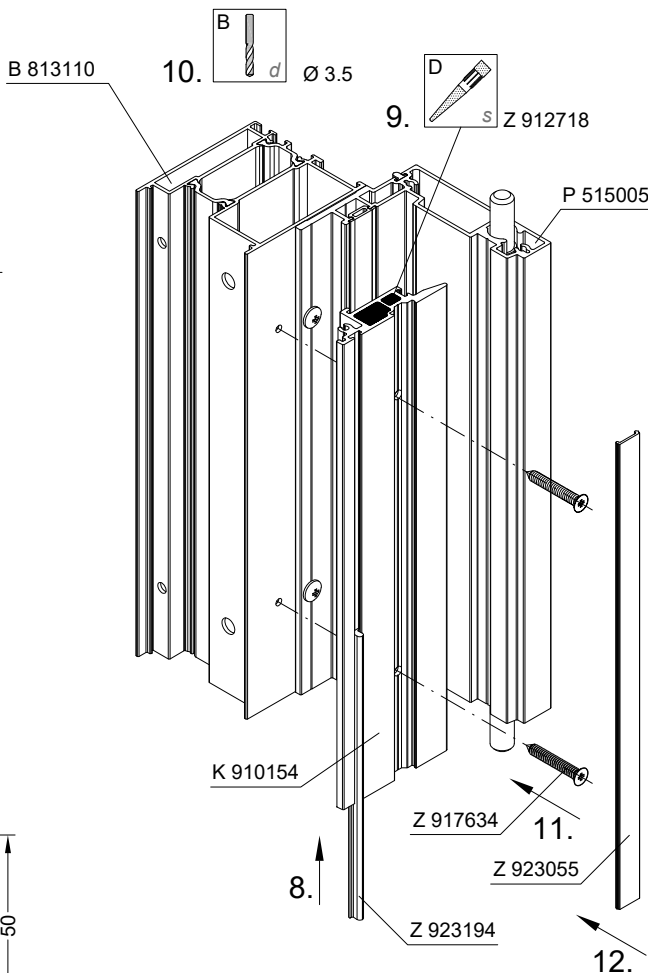
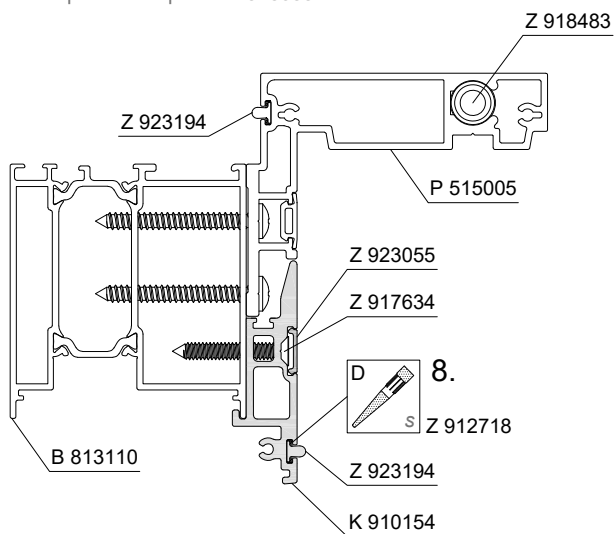


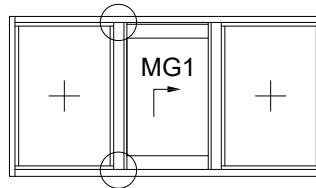
Schema MG1 dargestellt

Scheme MG1 shown

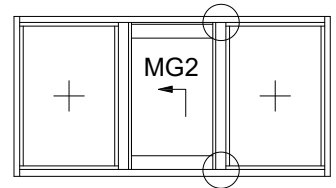
Schema MG2 spiegelbildlich

Scheme MG2 mirror inverted

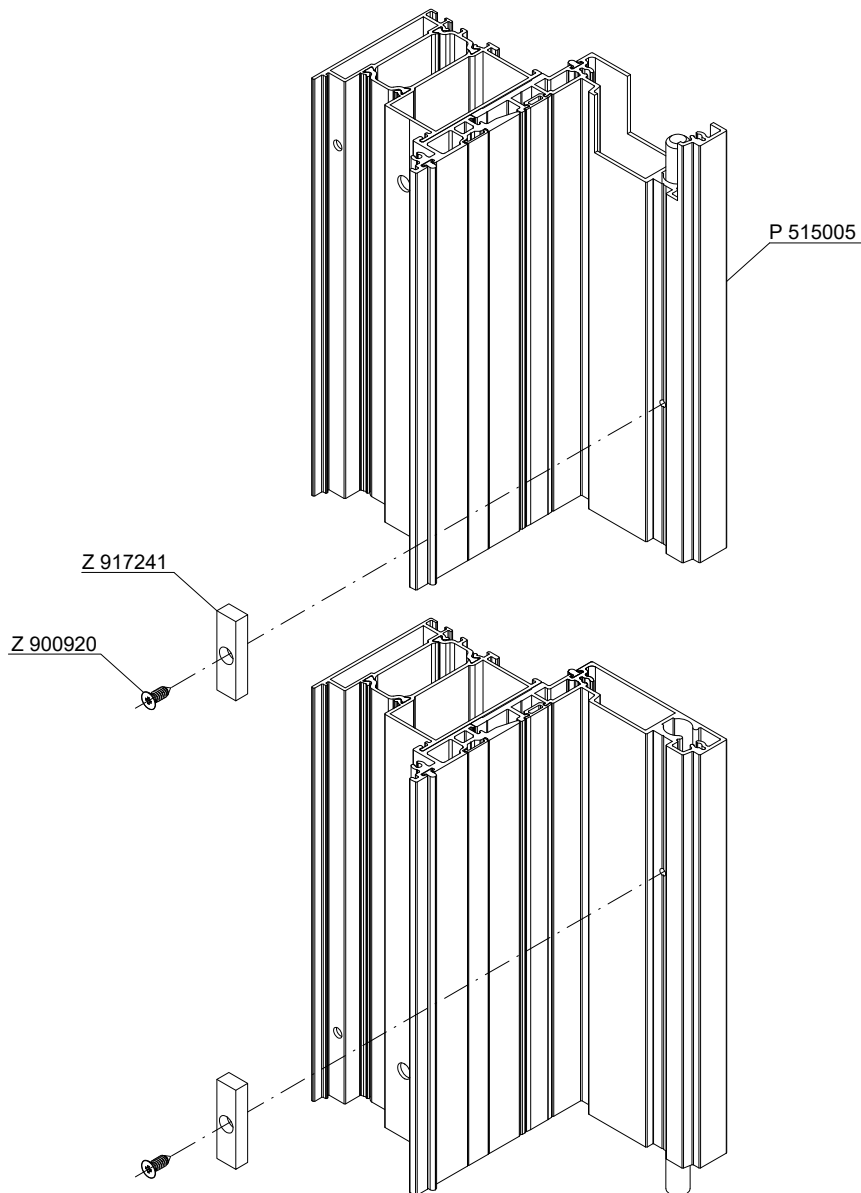




Schema MG1 dargestellt
Scheme MG1 shown



Schema MG2 spiegelbildlich
Scheme MG2 mirror inverted



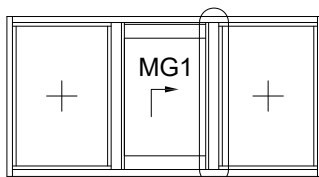
RAHMENMONTAGE
 FRAME ASSEMBLY

Bearbeitungsschritte Schema MG1

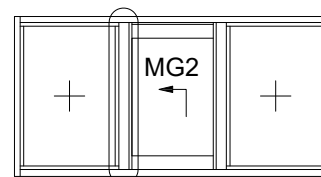
1. Dichtungen Z 918265 und Z 923194 in Labyrinthprofil K 910154 eindrücken und oben und unten mit Dichtstoff fixieren
2. Labyrinthprofil stirnseitig oben versiegeln und am Pfostenprofil B 813110 ausrichten
3. Durch Labyrinthprofil und Pfostenprofil mit $\varnothing 3,5$ mm bohren
4. Labyrinthprofil mit Schrauben Z 917634 am Pfosten verschrauben
5. Abdeckung Z 923055 aufdrücken

Processing steps scheme MG1

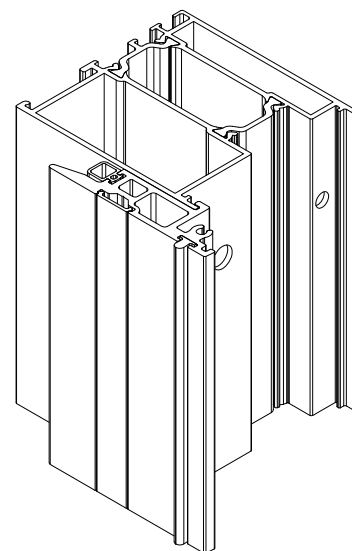
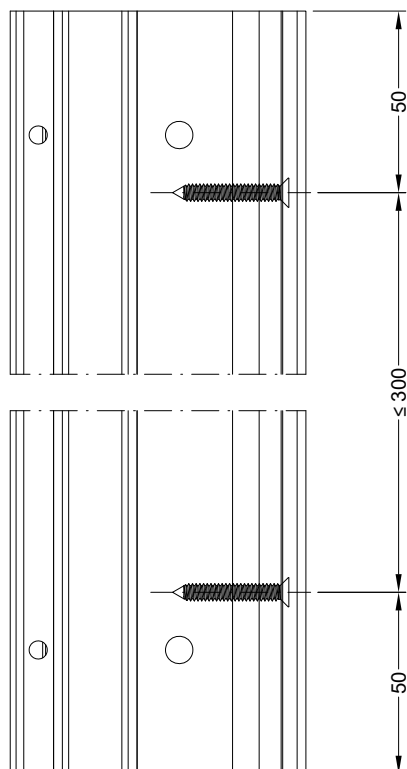
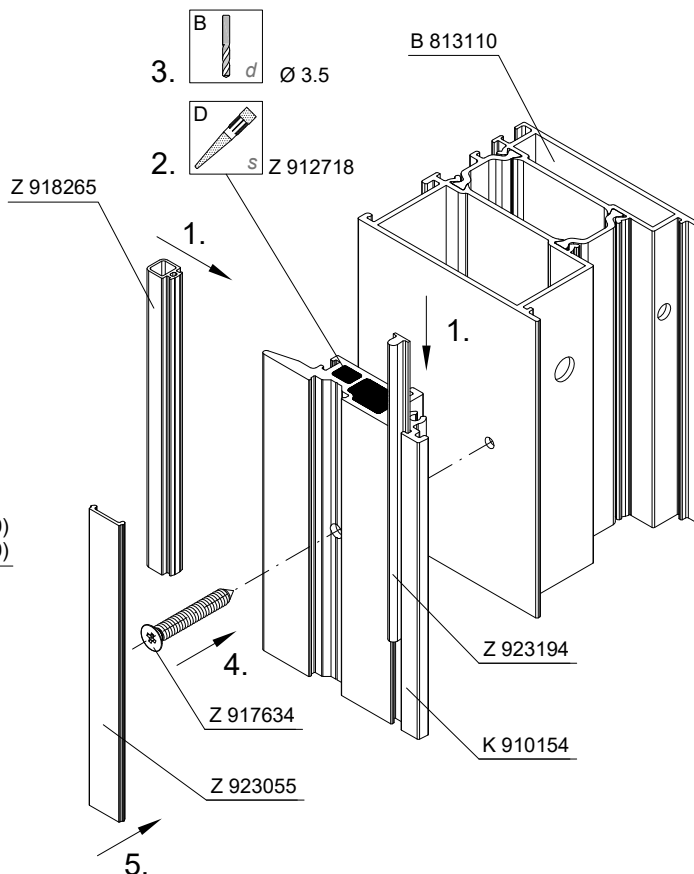
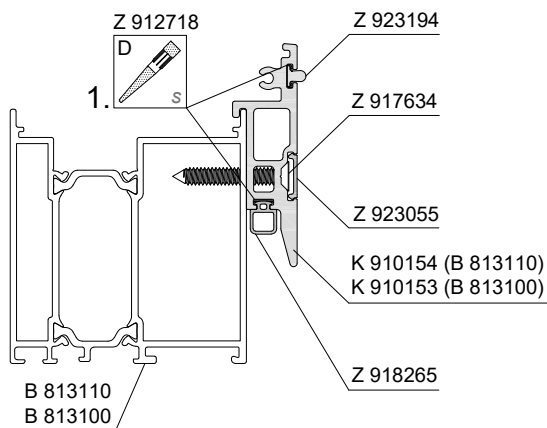
1. Insert gaskets Z 918265 and Z 923194 in labyrinth profile K 910154 and fix it with sealing compound at the top and bottom
2. Seal labyrinth profile on top and adjust to mullion B 813110
3. Drill holes through labyrinth profile and mullion with $\varnothing 3.5$ mm
4. Fix labyrinth profile with screws Z 917634 at the mullion
5. Snap on cover profile Z 923055

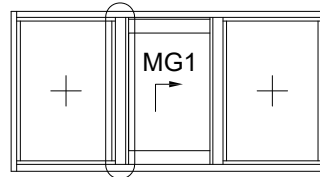


Schema MG1 dargestellt
 Scheme MG1 shown

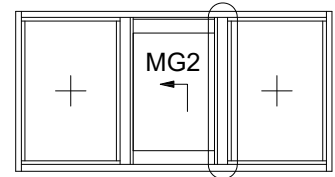


Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted

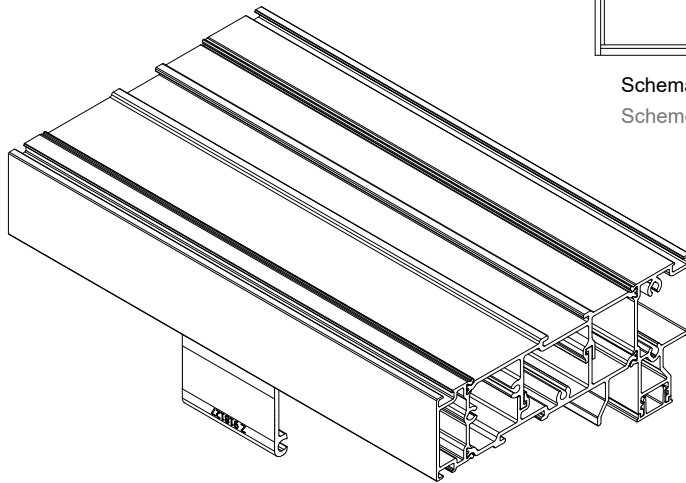




Schema MG1 dargestellt
Scheme MG1 shown



Schema MG2 spiegelbildlich
Scheme MG2 mirror inverted

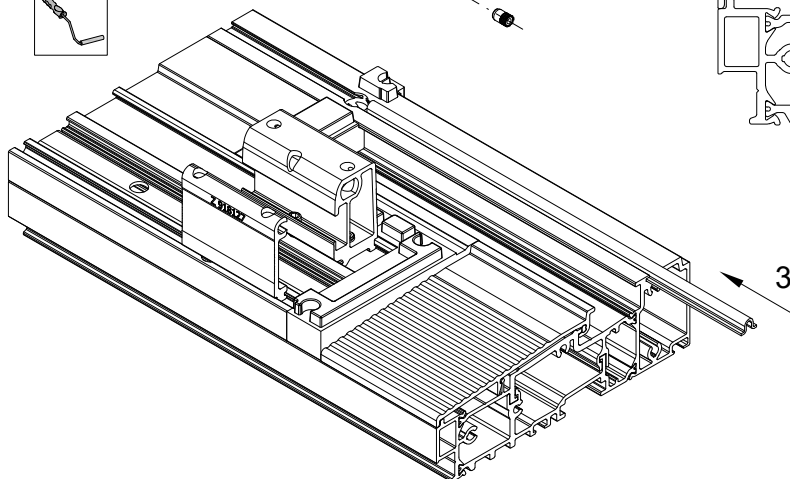
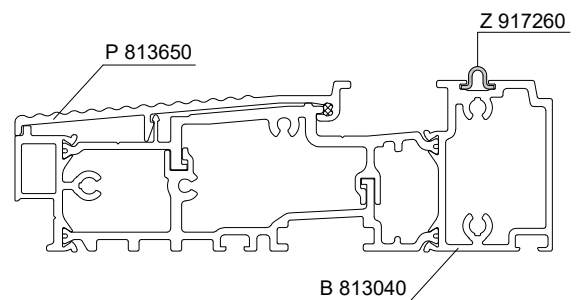
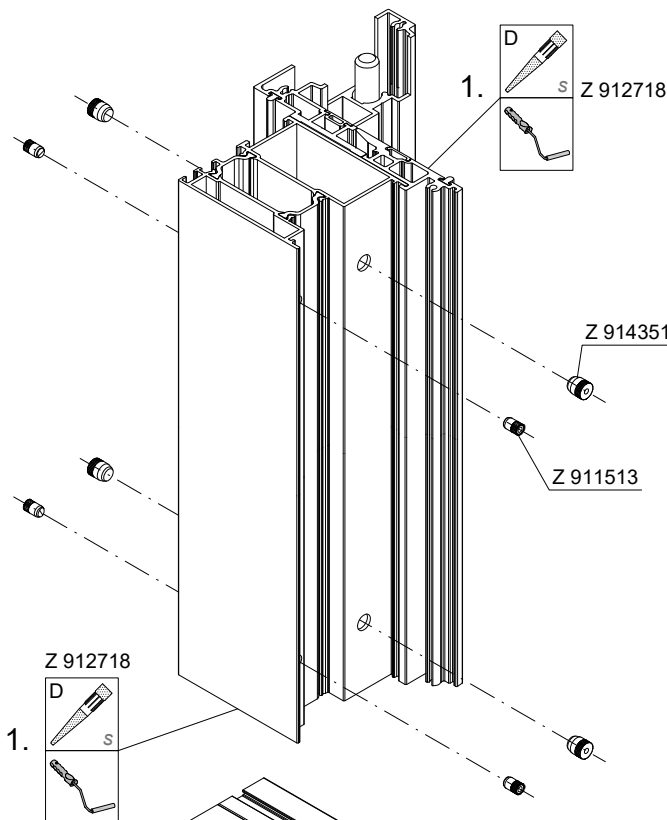


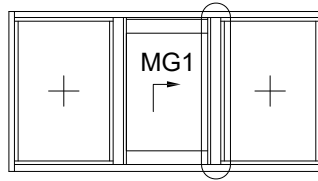
Bearbeitungsschritte Schema MG1

1. Dichtstoff auf die Schnittflächen vom Pfosten und Labyrinth auftragen
2. Pfosten einsetzen und verstemen (siehe auch nächste Seite)
3. Laufschiene Z 917260 einschieben

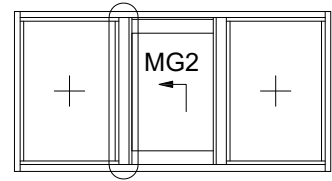
Processing steps scheme MG1

1. Apply sealing compound to the cut surface of the mullion and labyrinth
2. Insert mullion and fix with pins (see next page)
3. Slide in the rail Z 917260

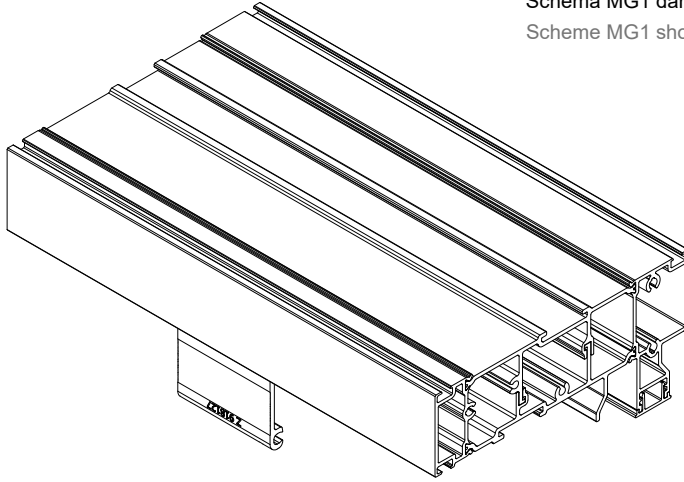




Schema MG1 dargestellt
 Scheme MG1 shown



Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted

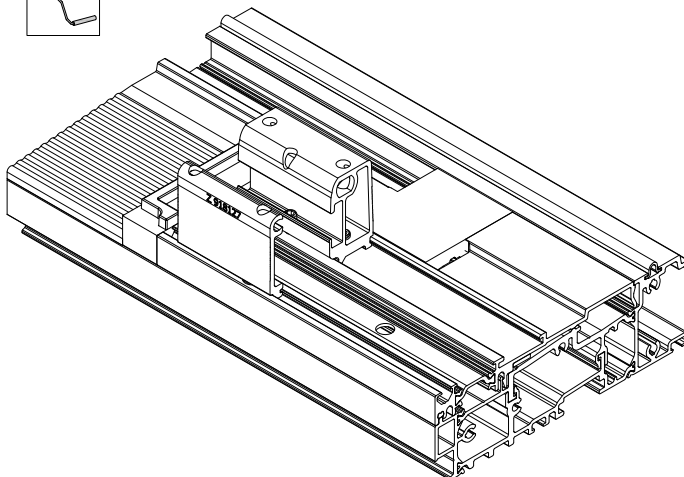
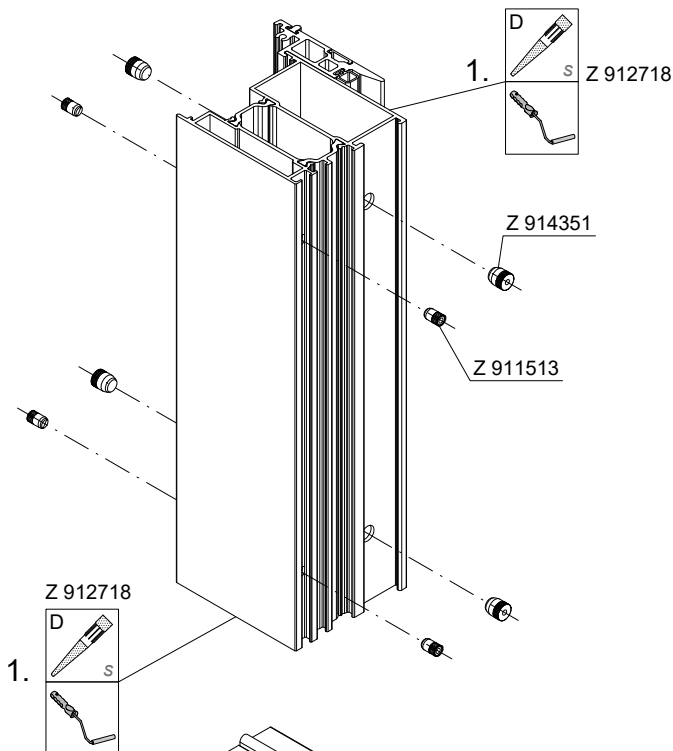


Bearbeitungsschritte Schema MG1

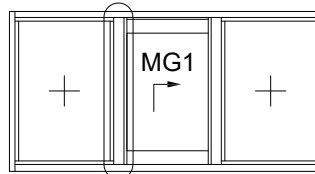
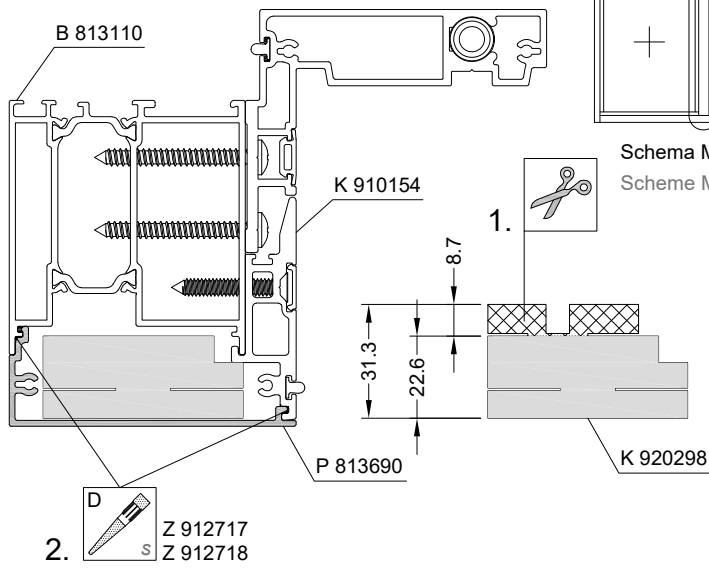
1. Dichtstoff auf die Schnittflächen von Pfosten und Labyrinth auftragen
2. Pfosten einsetzen und verstemen

Processing steps scheme MG1

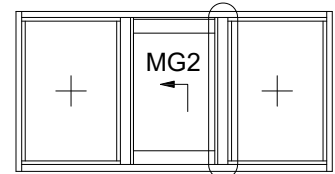
1. Apply sealing compound to the cut surface of the mullion and labyrinth
2. Insert mullion and fix with pins



RAHMENMONTAGE
 FRAME ASSEMBLY



Schema MG1 dargestellt
 Scheme MG1 shown



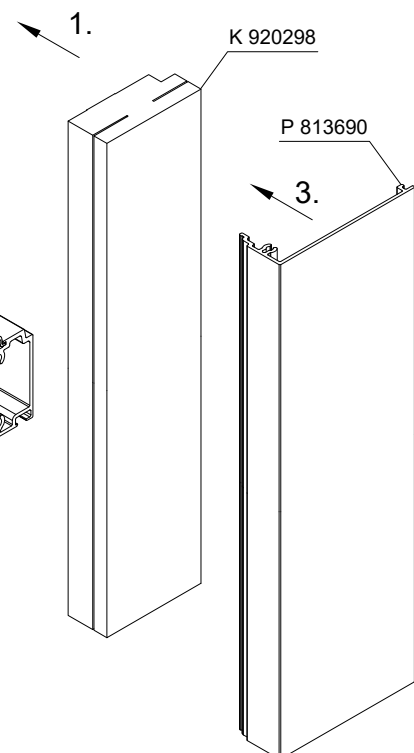
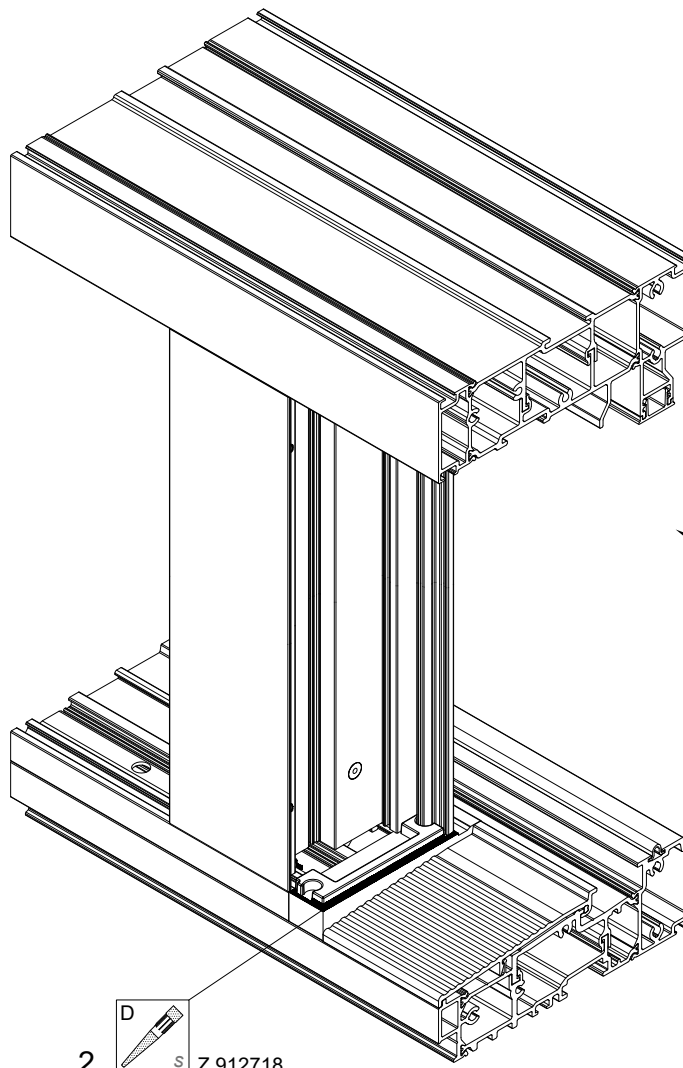
Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted

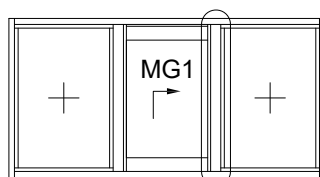
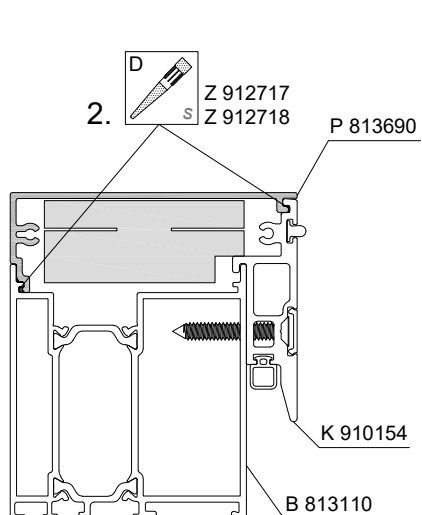
Bearbeitungsschritte Schema MG1

1. Dämmkern K 920298 auf Länge schneiden (L=Pfostenlänge - 35 mm), an vorhandener Kerbe abtrennen und im Pfosten platzieren
2. Dichtstoff auftragen
3. Abdeckprofil P 813690 aufklipsen

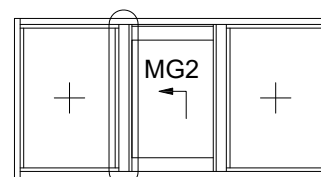
Processing steps scheme MG1

1. Cut the insulating core K 920298 (L= mullion length - 35 mm), cut at the notch and place it to the mullion
2. Apply sealing compound
3. Clip on cover profile P 813690

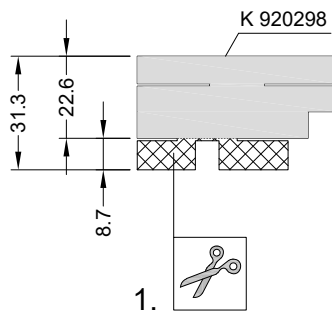




Schema MG1 dargestellt
 Scheme MG1 shown



Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted

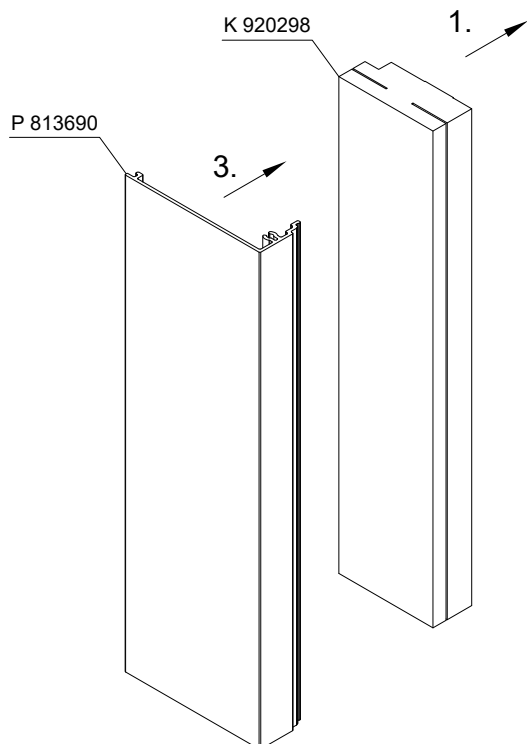
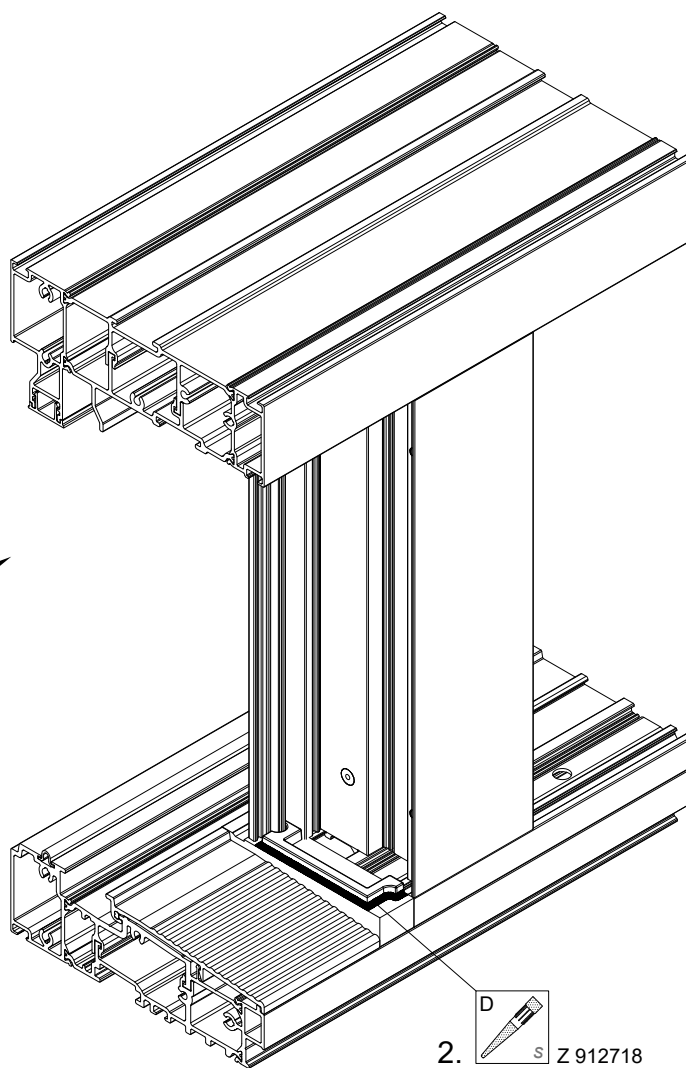


Bearbeitungsschritte Schema MG1

1. Dämmkern K 920298 auf Länge schneiden (L= Pfostenlänge - 35 mm), an vorhandener Kerbe abtrennen und im Pfosten platzieren
2. Dichtstoff auftragen
3. Abdeckprofil P 813690 aufklipsen

Processing steps scheme MG1

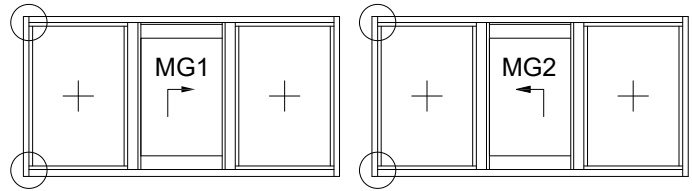
1. Cut the insulating core K 920298 (L= mullion length - 35 mm), cut at the notch and place it to the mullion
2. Apply sealing compound
3. Clip on cover profile P 813690



RAHMENMONTAGE
 FRAME ASSEMBLY

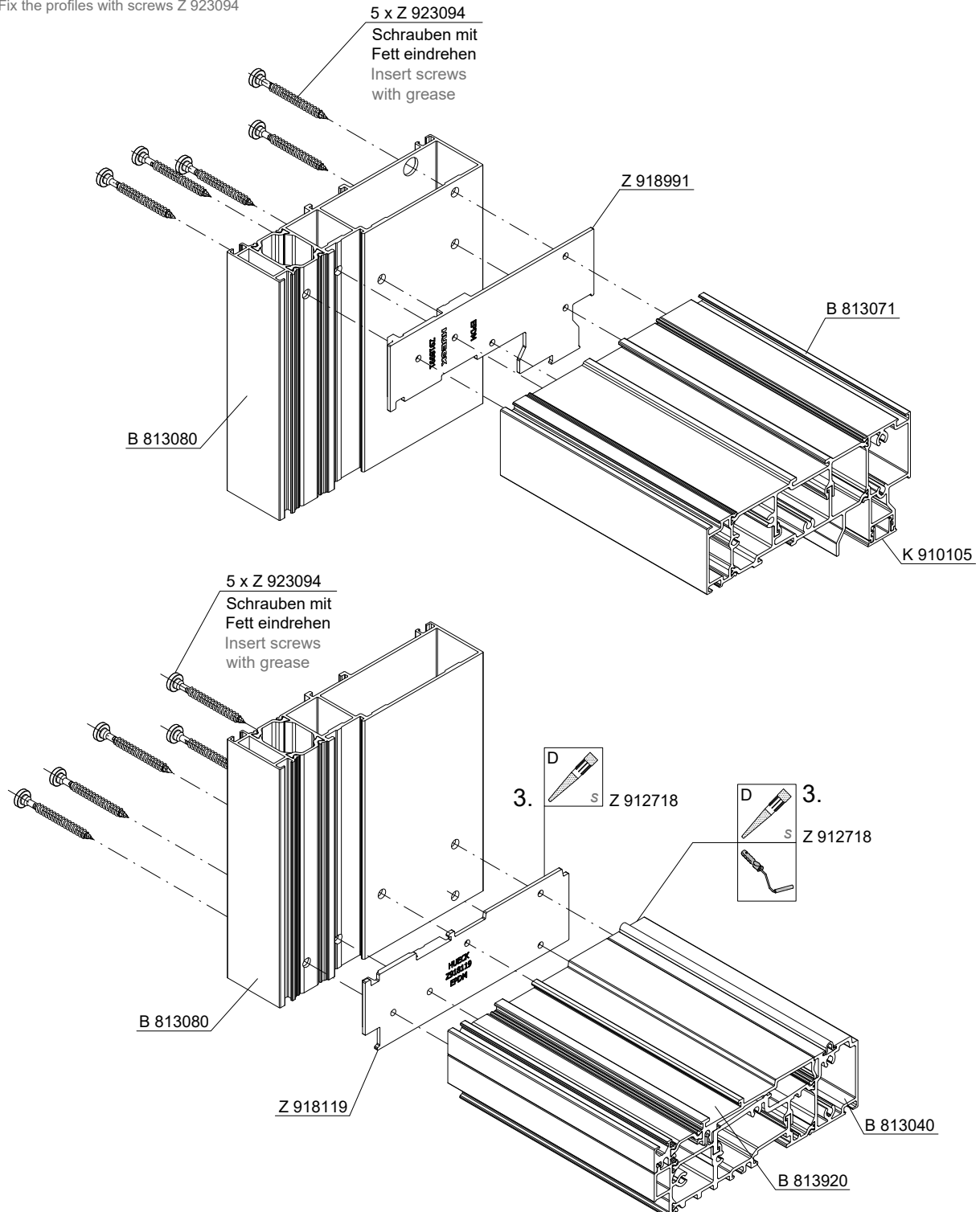
Bearbeitungsschritte Schema MG1

1. Isolier- Einschiebling in Blendrahmen B 813080 einschieben (optional)
2. Dichtstoff auf gesamte Flächen der Dichtformteile und Blendrahmen aufbringen und Dichtformteile einlegen
3. Profile rechtwinklig ausrichten
4. Profile mit Schrauben Z 923094 verschrauben

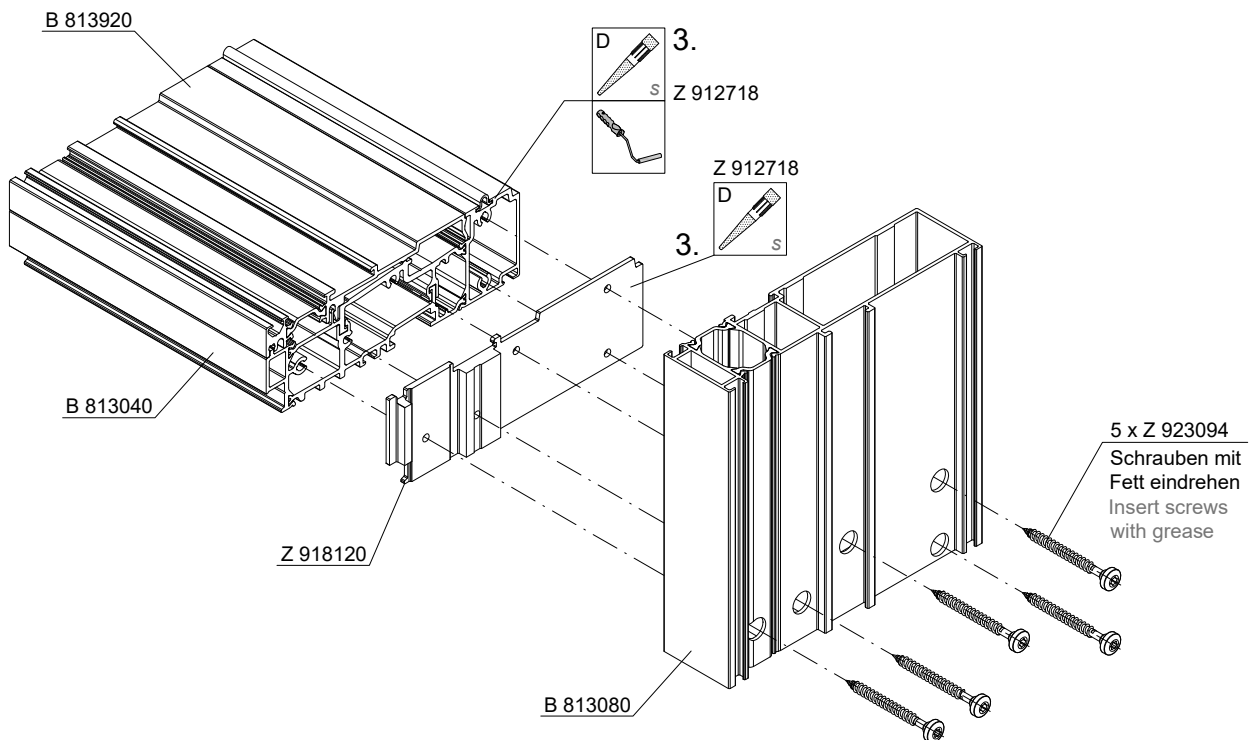
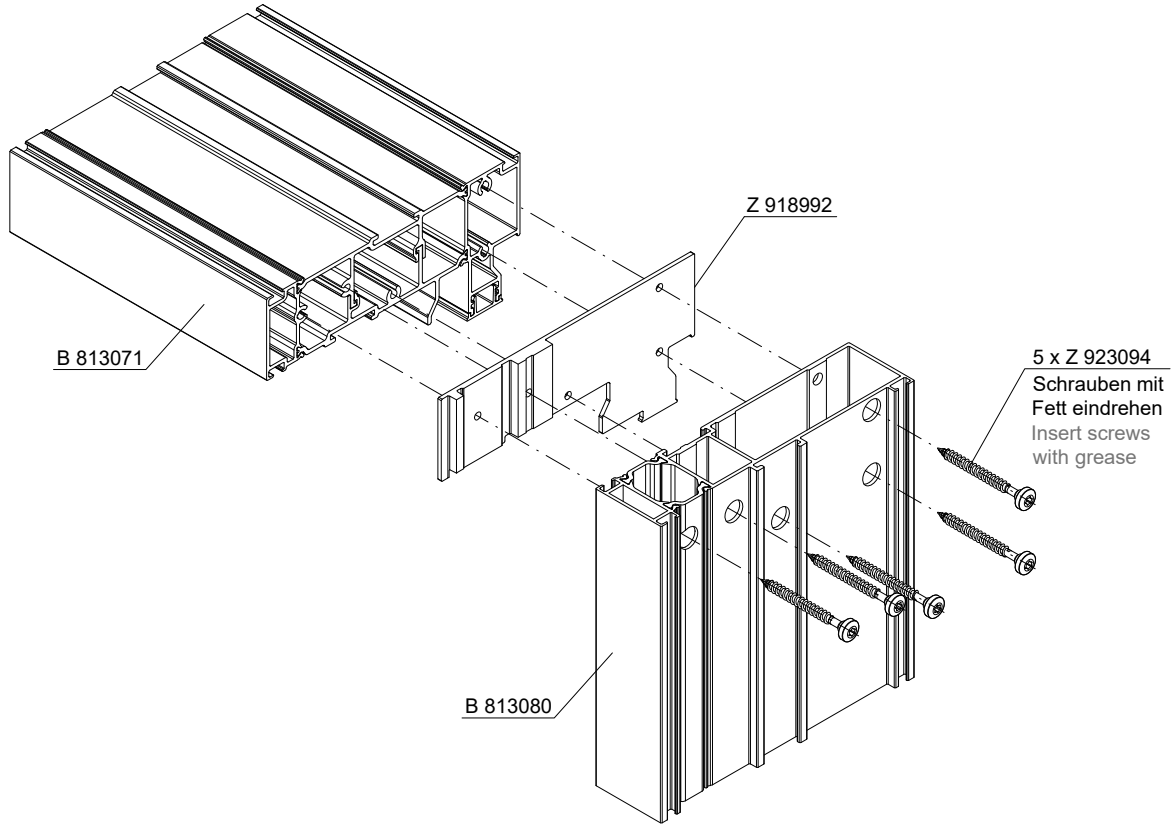
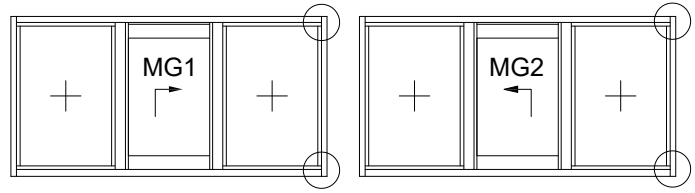


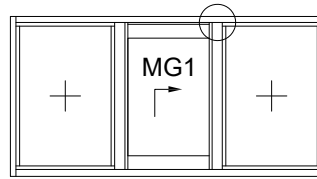
Processing steps scheme MG1

1. Insert insulating connecting sleeve into fixed frame B 813080 (optionally)
2. Apply sealing compound to the shaped gasket piece and fixed frame and assemble the shaped gasket pieces
3. Adjust the profiles rectangular
4. Fix the profiles with screws Z 923094

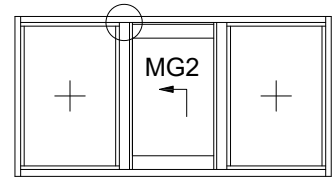


RAHMENMONTAGE
 FRAME ASSEMBLY

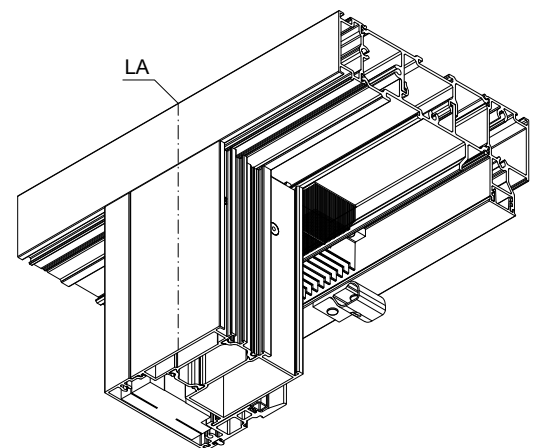
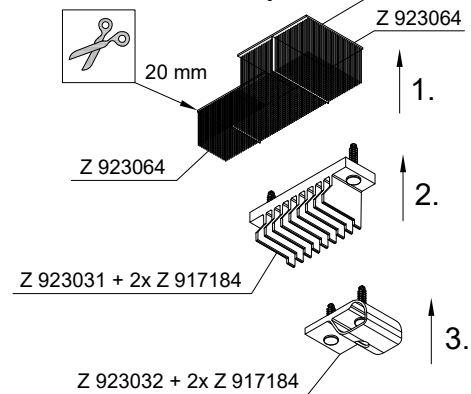
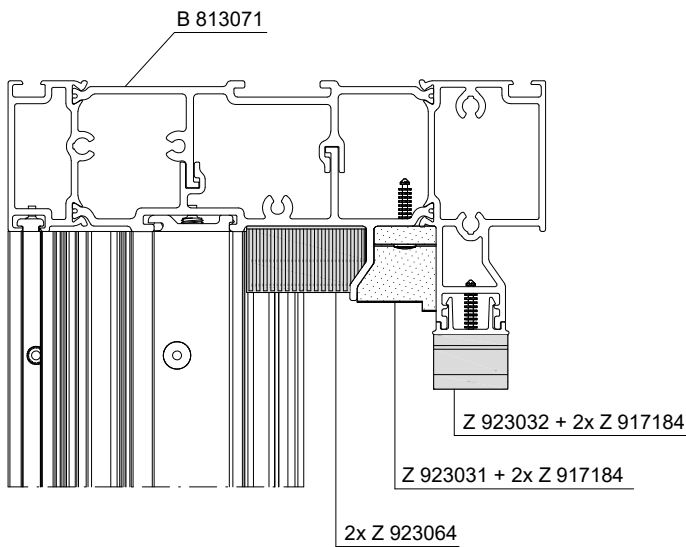
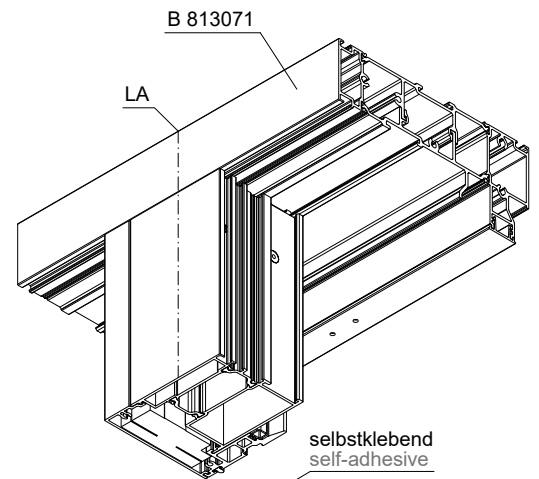
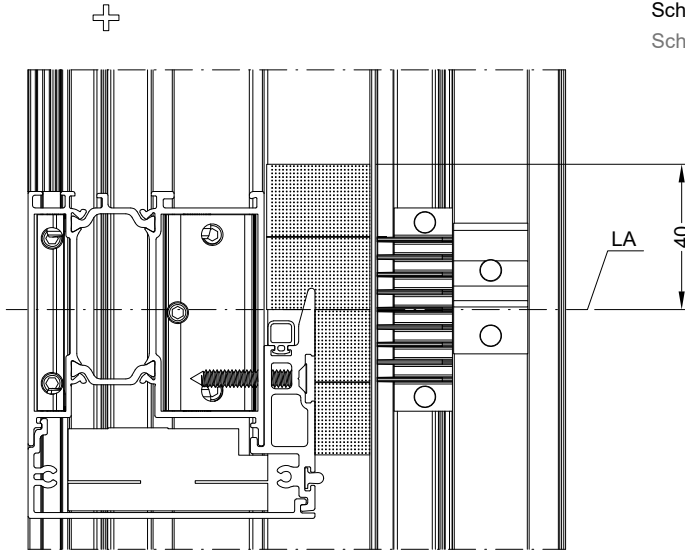




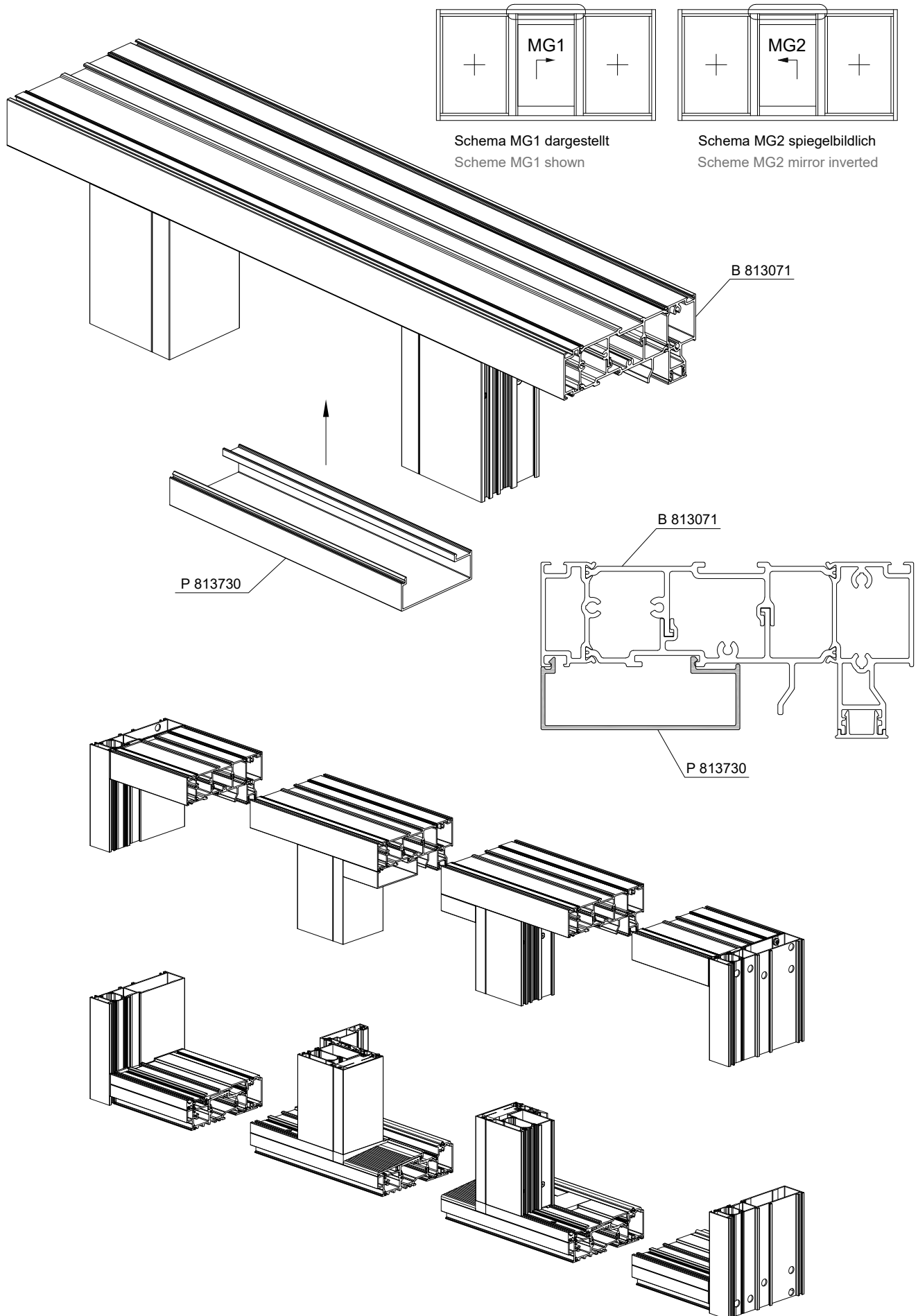
Schema MG1 dargestellt
 Scheme MG1 shown



Schema MG2 spiegelbildlich
 Scheme MG2 mirror inverted



RAHMENMONTAGE
FRAME ASSEMBLY



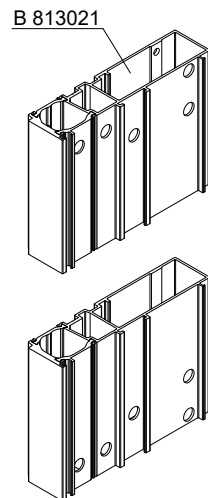
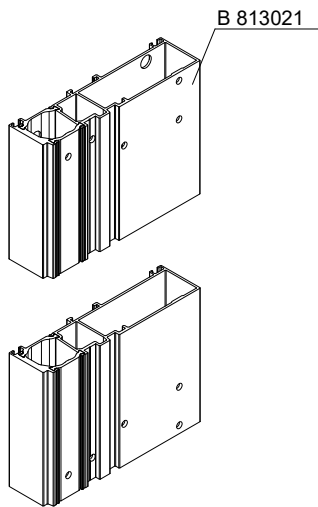
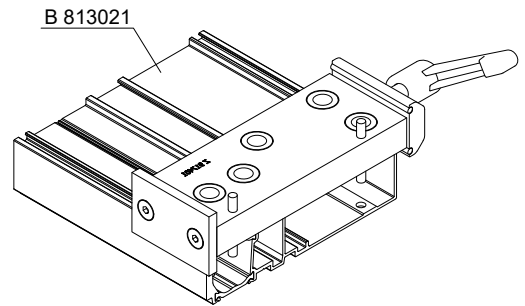
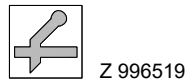
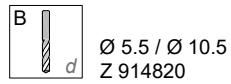
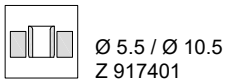
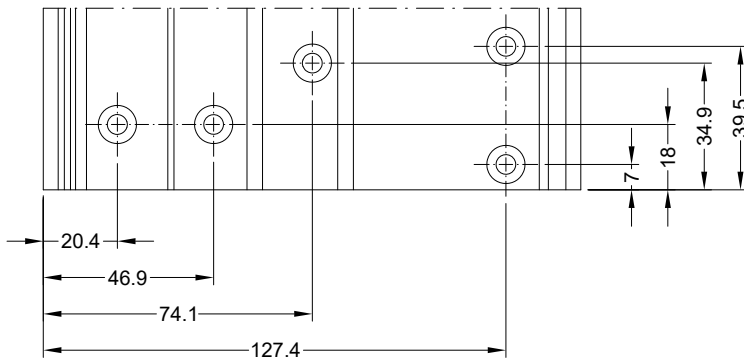
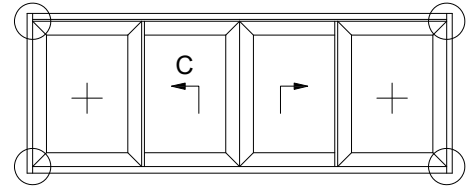
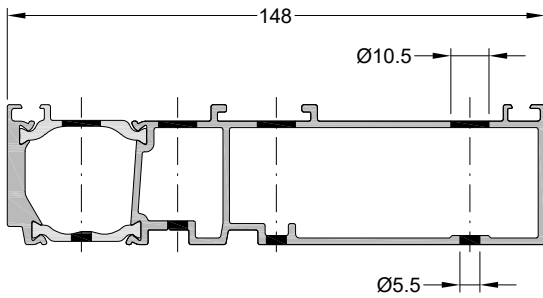
ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME

BLENDRAHMEN FIXED FRAME		
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
C		<p>2-spurige Anlage mit 4 Feldern 2 Schiebeflügel mittig je 1 Festflügel links und rechts Primärer Flügel nach links oder rechts öffnend</p> <p>Double-tracked system with 4 fields 2 sliding sashes in the middle 1 fixed sash left and right each Primary sash sliding to the left or right</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity				
Z 997659		Z 901273	50		Z 923031	2		
		Z 911939	10		Z 923032	2		
		Z 923094	20		Z 917184	8		
		Z 918988	1		Z 923030	4		
		Z 918987	1		Z 923029	4		
		Z 917224	1		Z 917634	50		
		Z 917225	1		Z 918345	6		
		Z 917253	2		Z 918493	3		
		Z 923148	2		Z 918494	3		
		Z 923018	3					

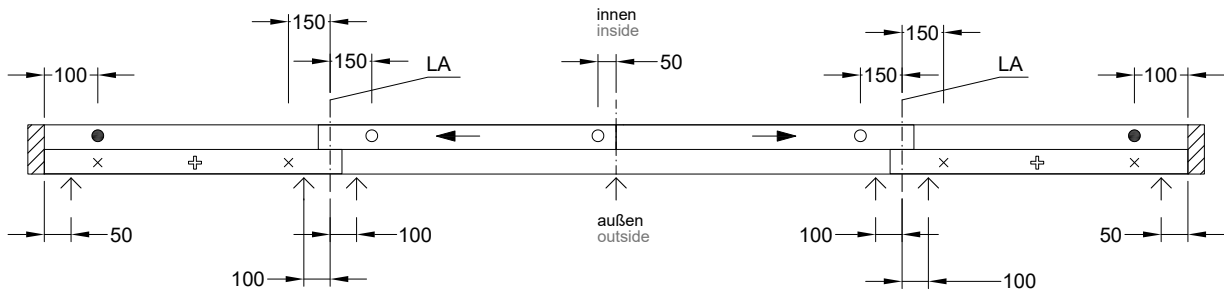
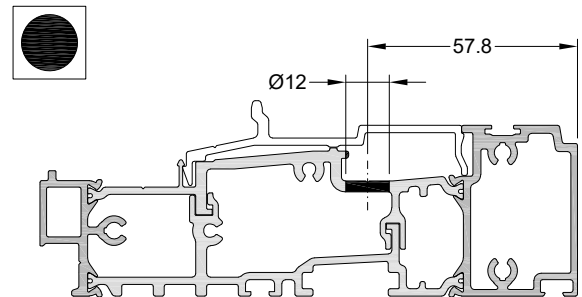
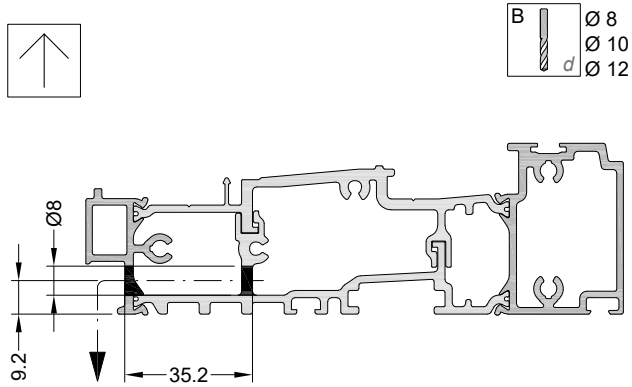
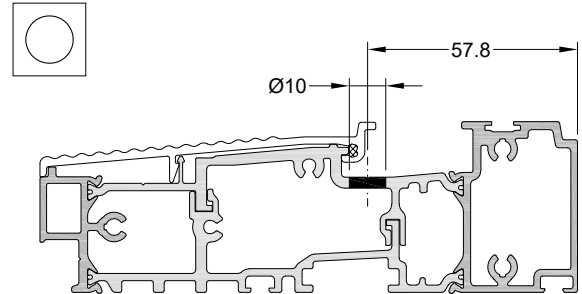
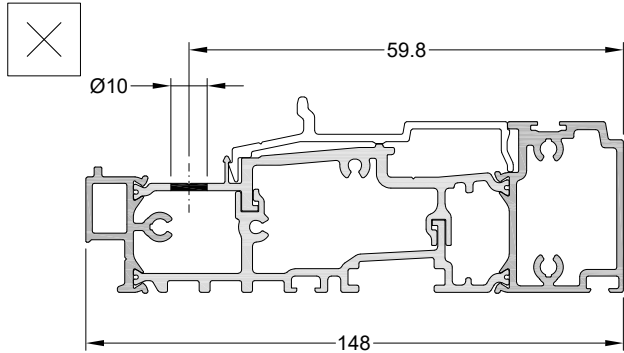
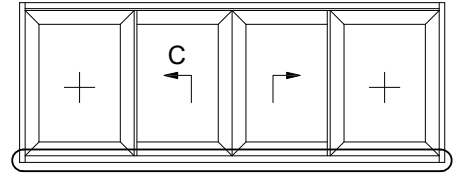
ECKVERBINDUNGEN
 CORNER CONNECTIONS

B 813021



ENTWÄSSERUNG
 DRAINAGE

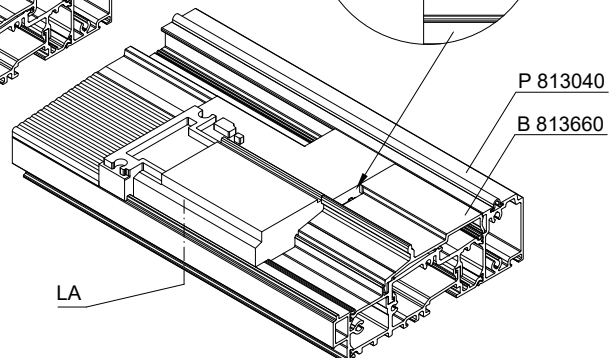
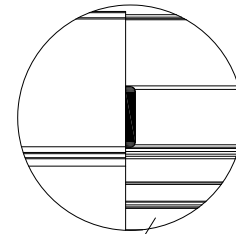
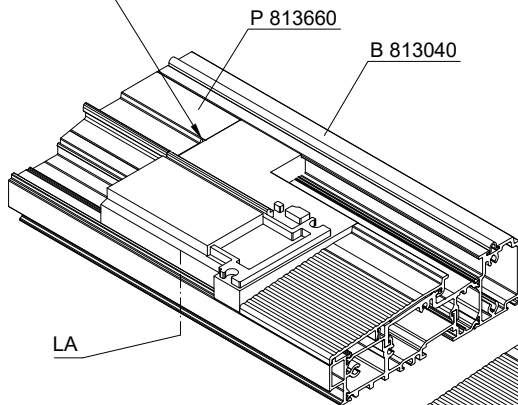
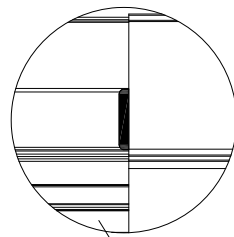
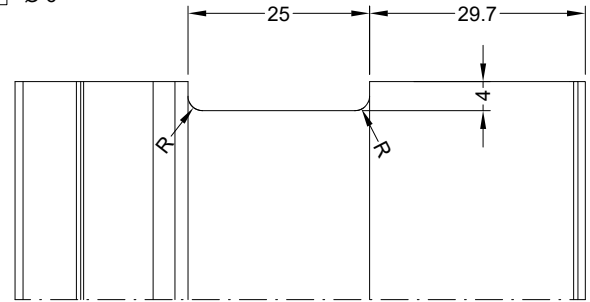
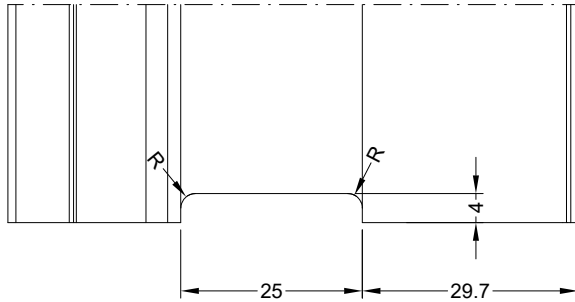
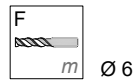
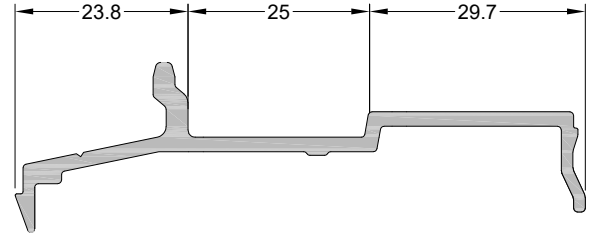
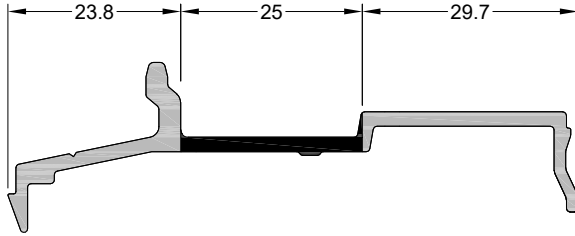
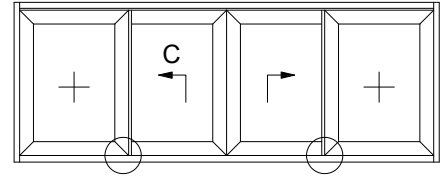
B 813040



- | | |
|-------------------------------|---------------------------------|
| × Bohrung Ø10 | × drill hole Ø10 |
| ○ Bohrung Ø10 | ○ drill hole Ø10 |
| ↑ Bohrung Ø8 | ↑ drill hole Ø8 |
| ● Bohrung Ø12 für Kugelventil | ● drill hole Ø12 for ball valve |

ENTWÄSSERUNG
 DRAINAGE

P 813660



BELÜFTUNG
 VENTILATION

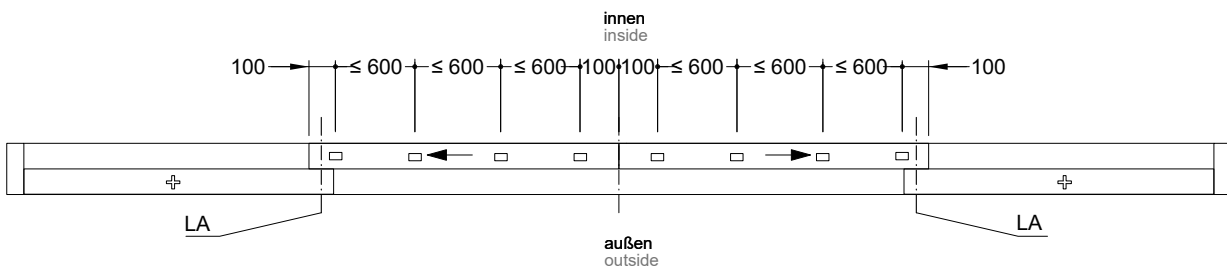
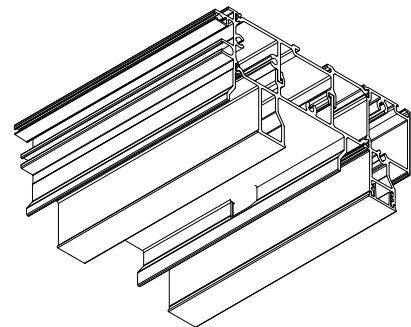
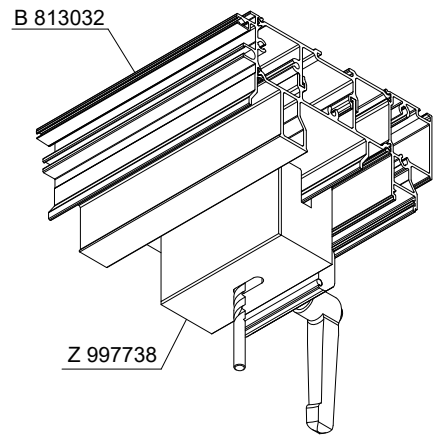
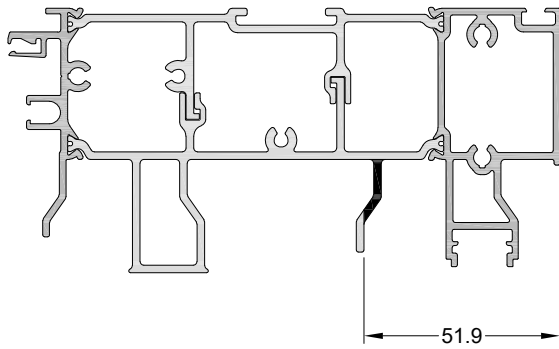
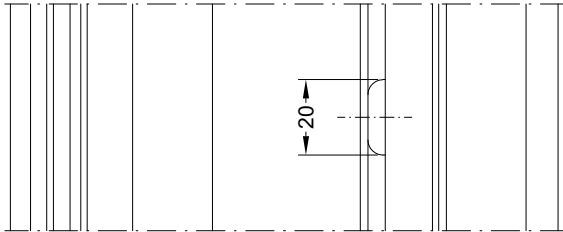
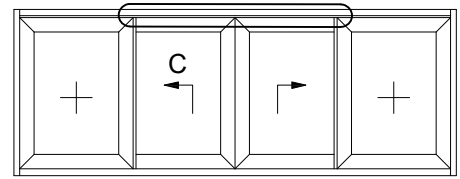
B 813032



Z 997738



Ø 6

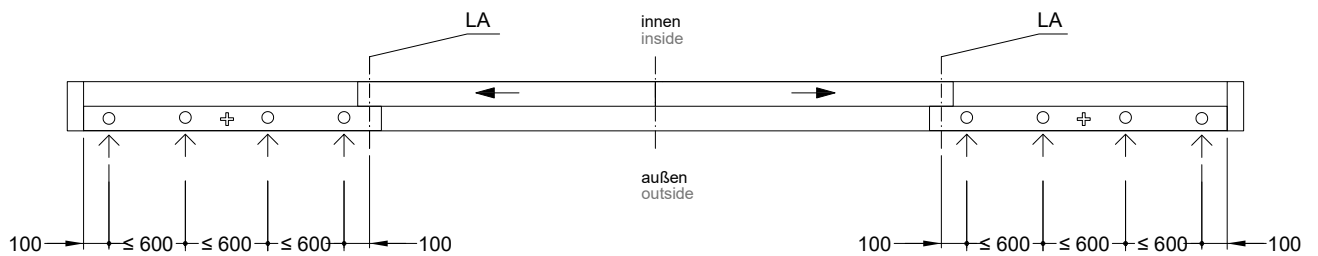
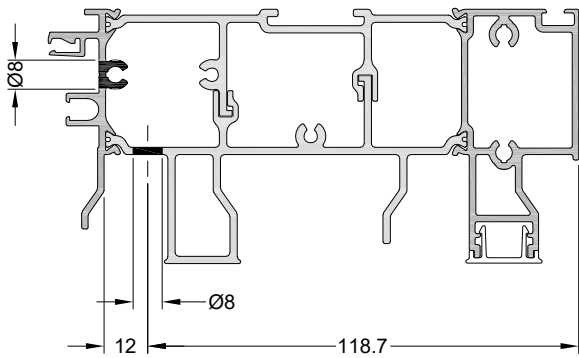
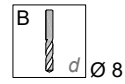
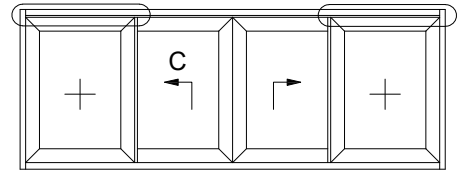
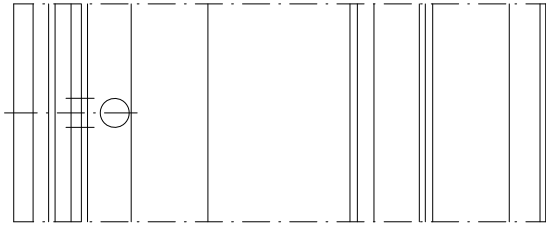


□ Fräsung Ø6

□ milling Ø6

BELÜFTUNG
 VENTILATION

B 813032

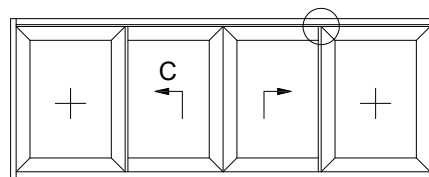


○ Bohrung Ø8
 ↑ Bohrung Ø8

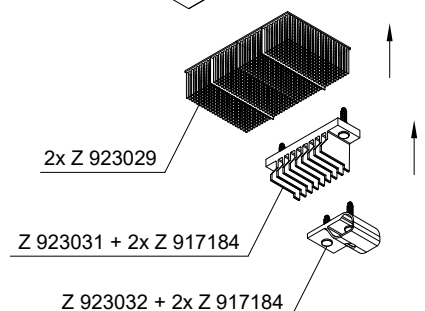
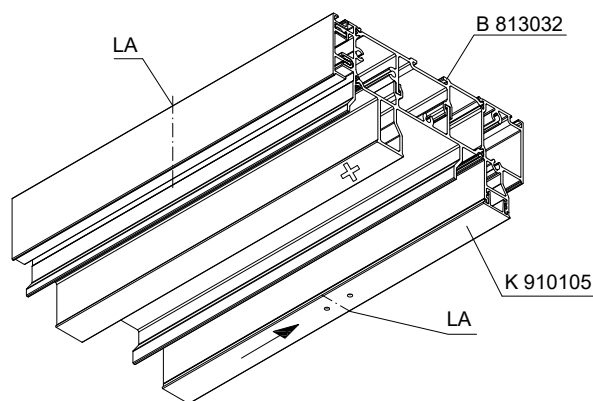
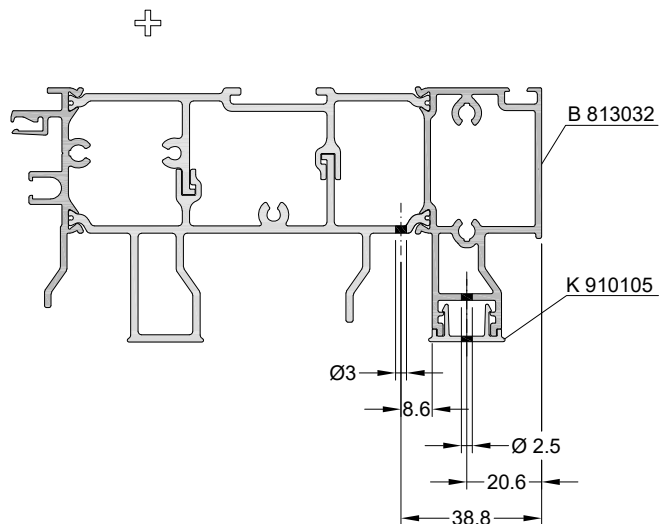
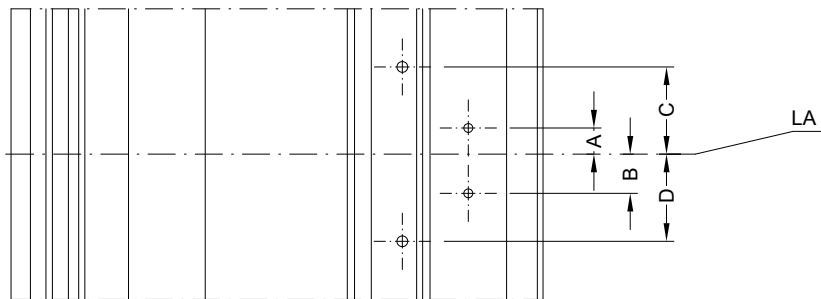
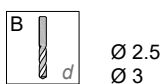
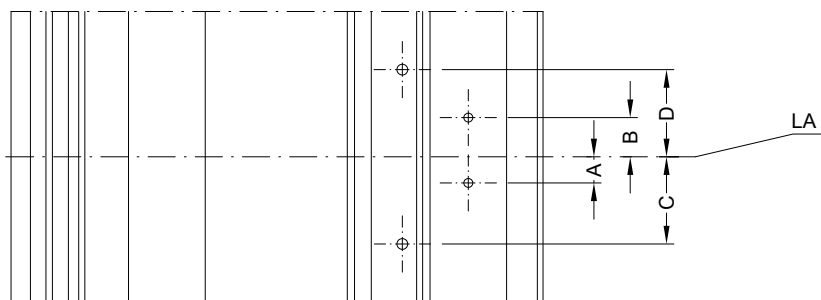
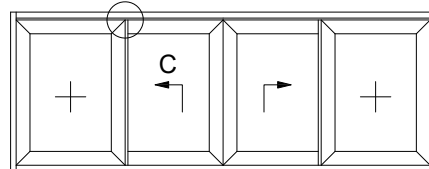
○ drill hole Ø8
 ↑ drill hole Ø8

DICHTFORMTEIL
 SHAPED GASKET PIECE

B 813032 + K 910105



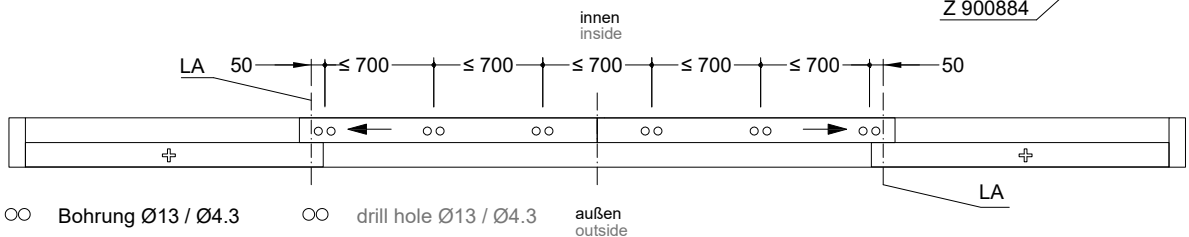
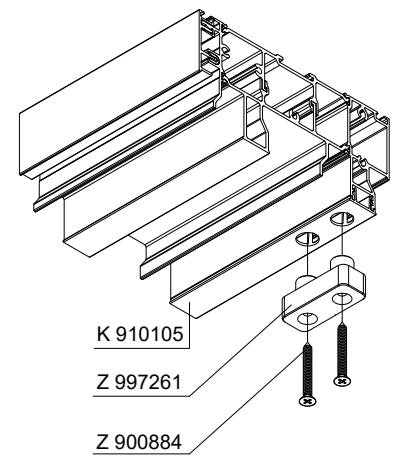
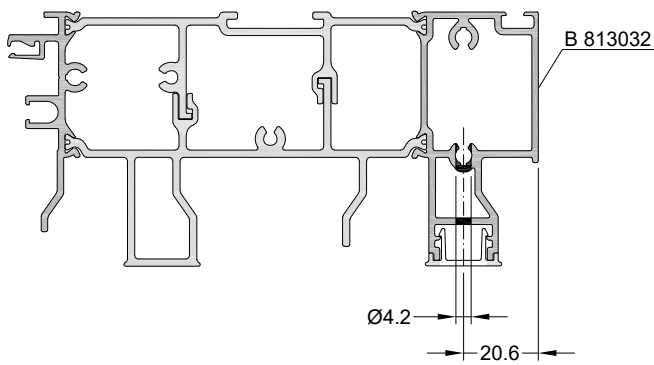
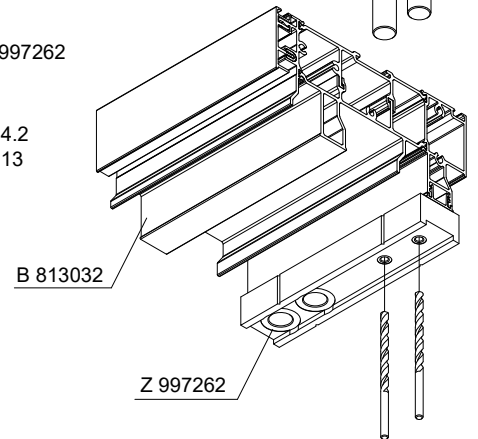
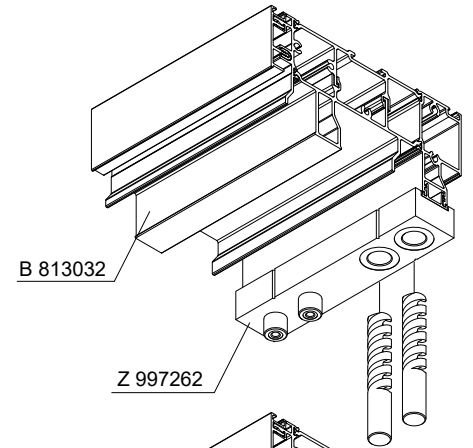
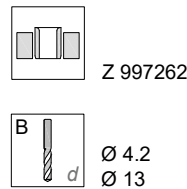
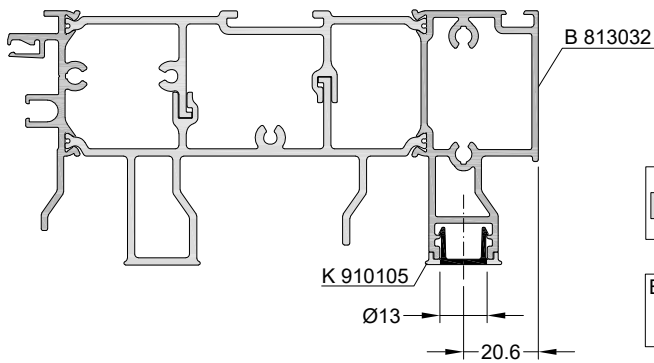
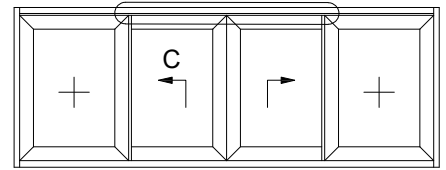
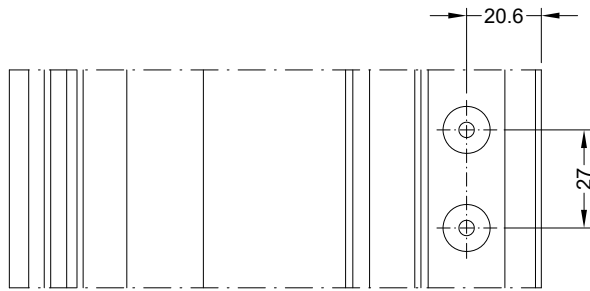
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B 813235	7	11	24	24
B 813232	13	5	30	18
B 813233	13	5	30	18

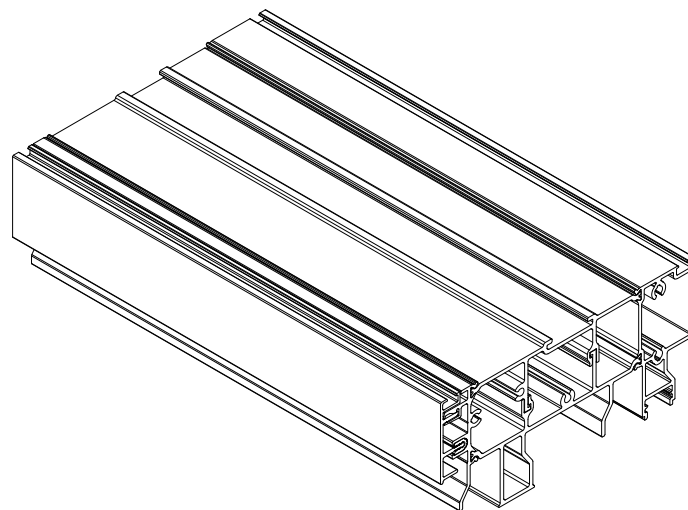
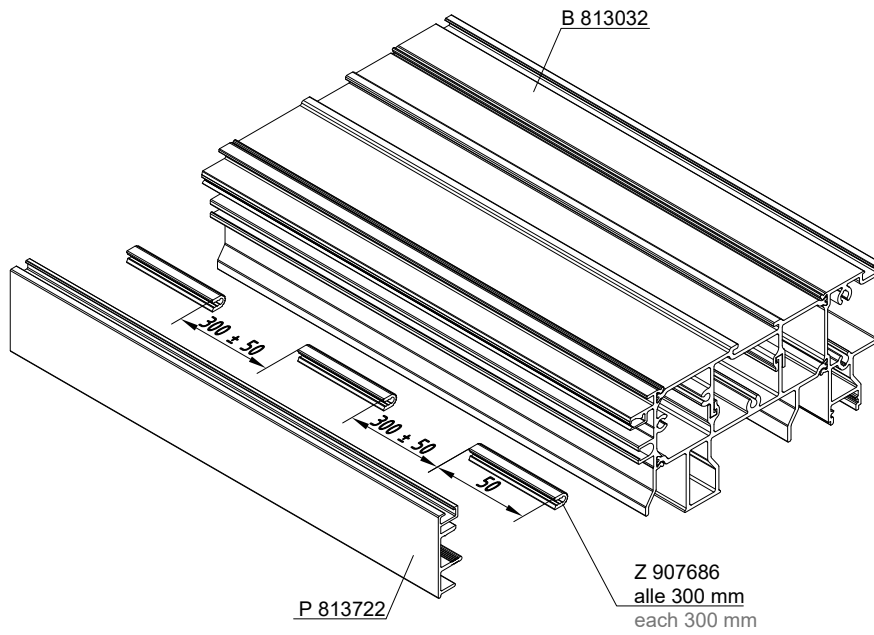
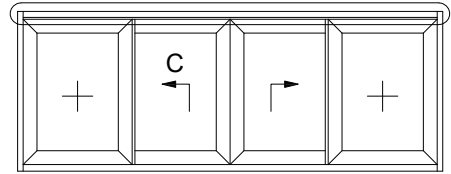


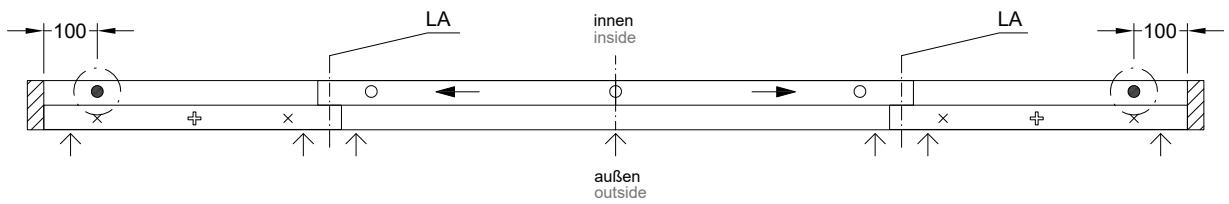
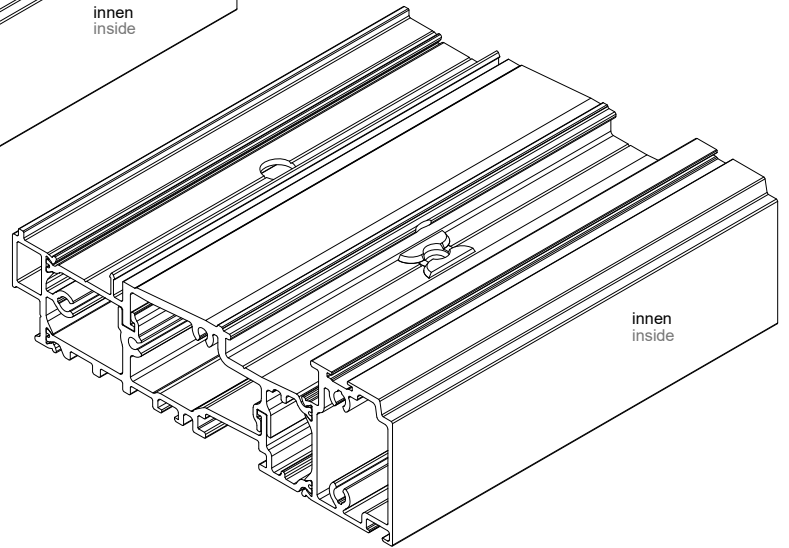
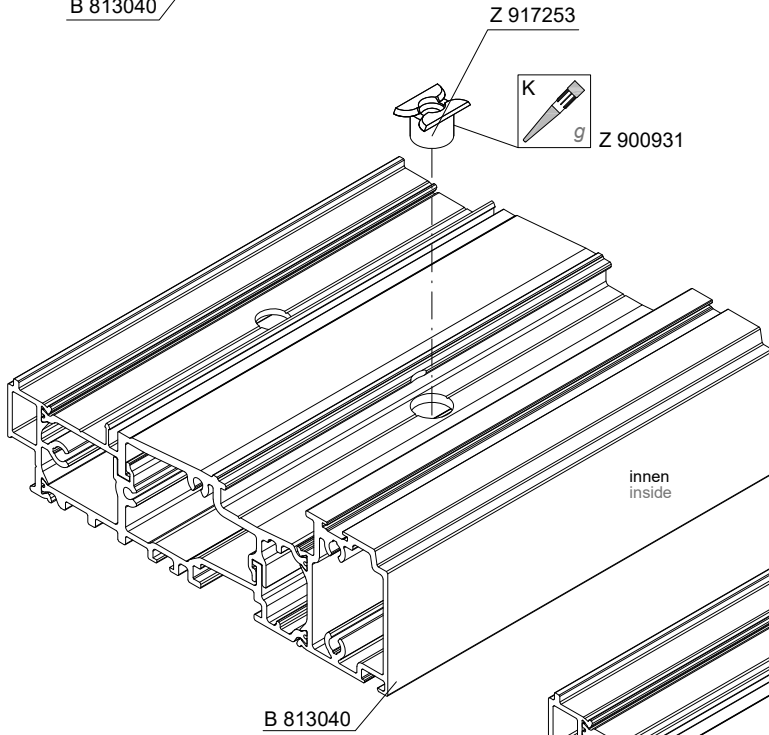
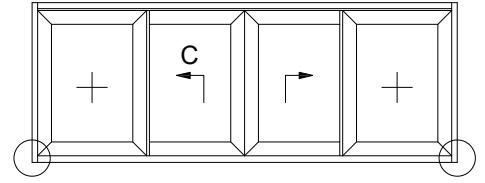
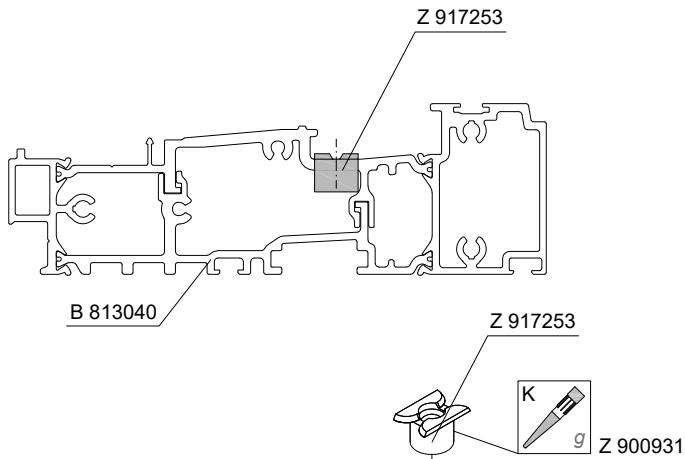
WINDSICHERUNG
 WIND PROTECTION

Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa

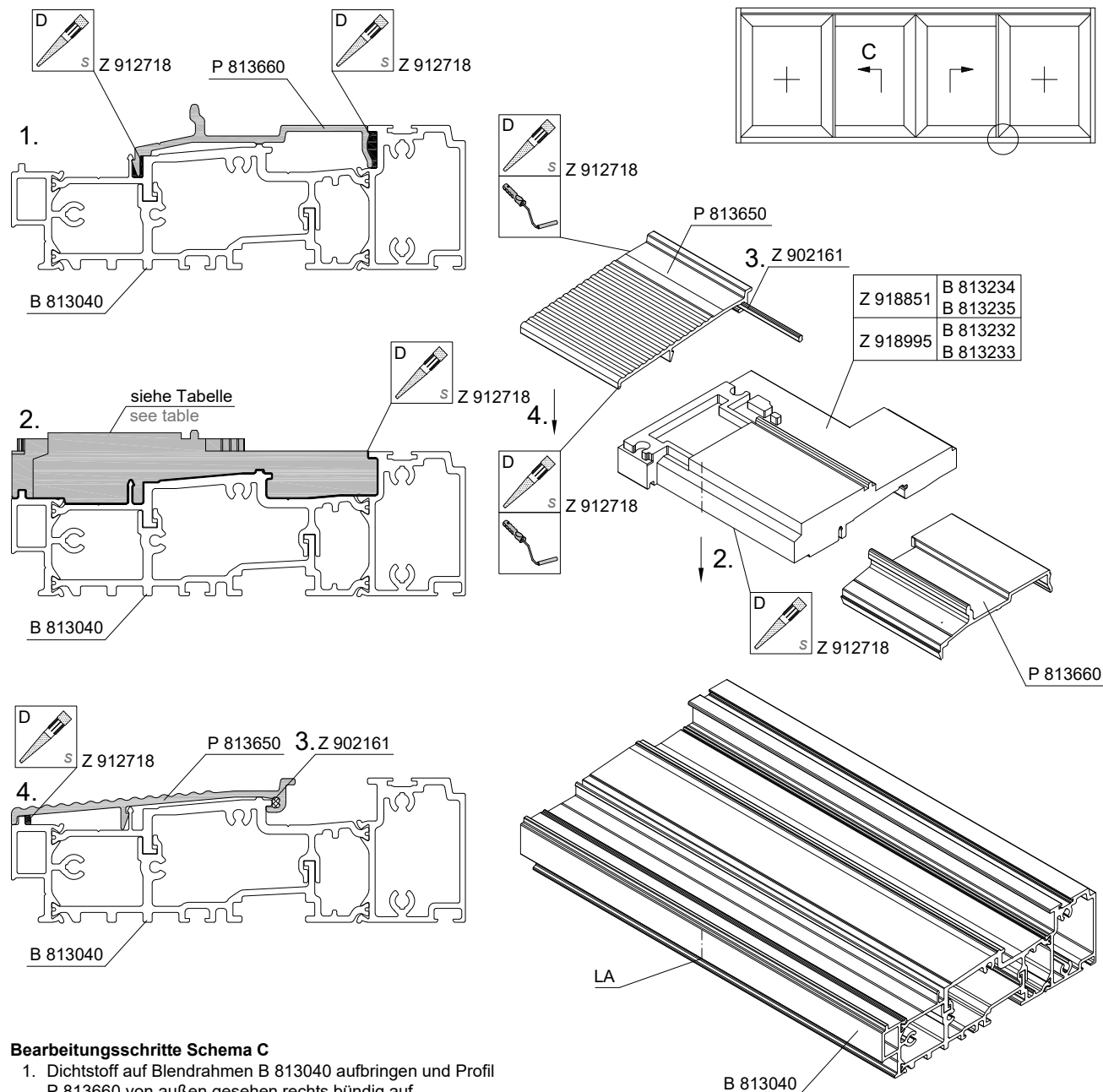
B 813032 + K 910105







MONTAGE • LABYRINTHBEREICH
 ASSEMBLY • LABYRINTH AREA

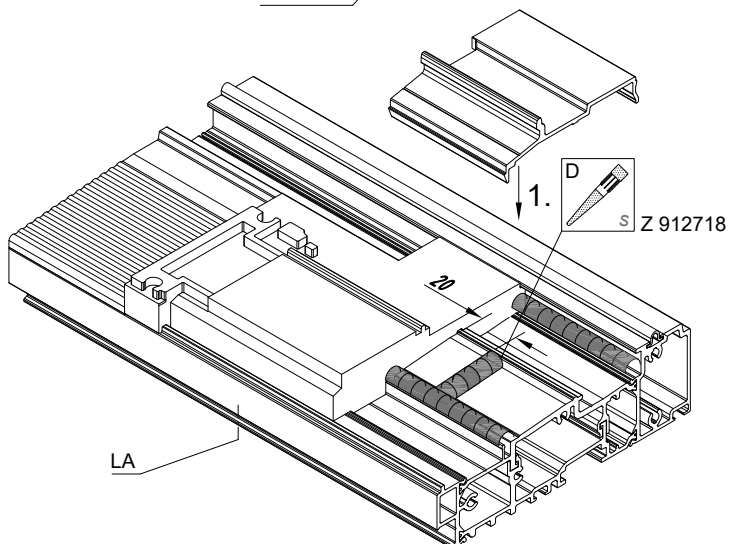


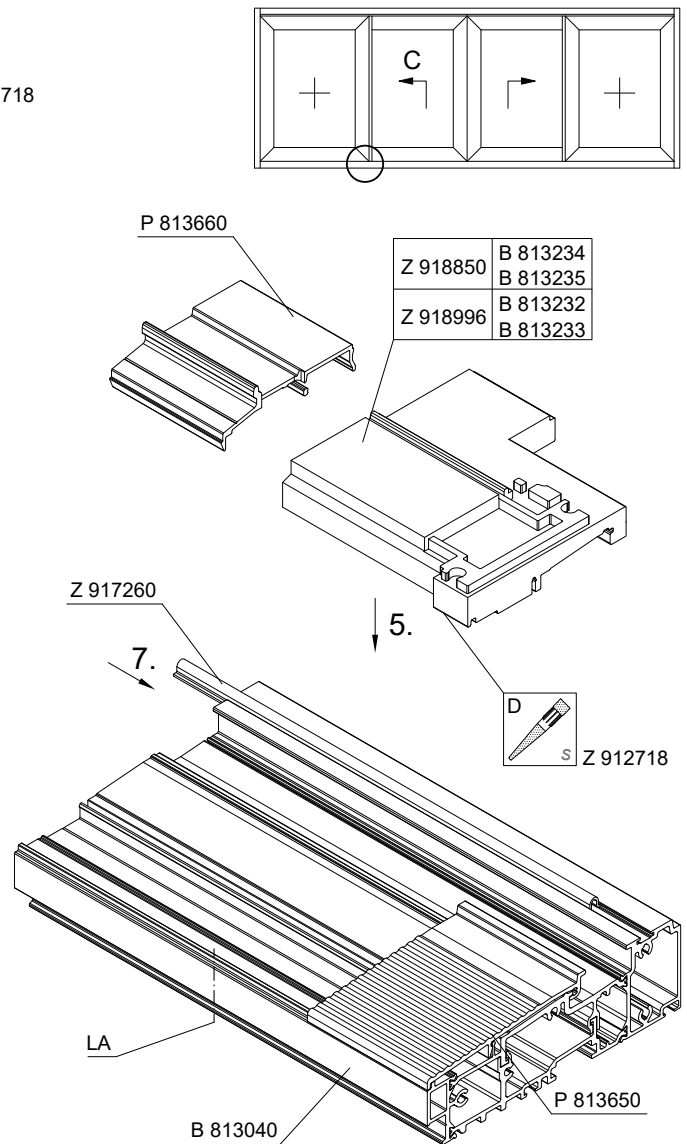
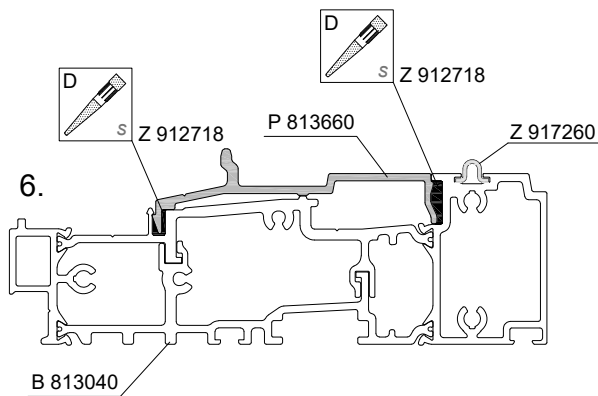
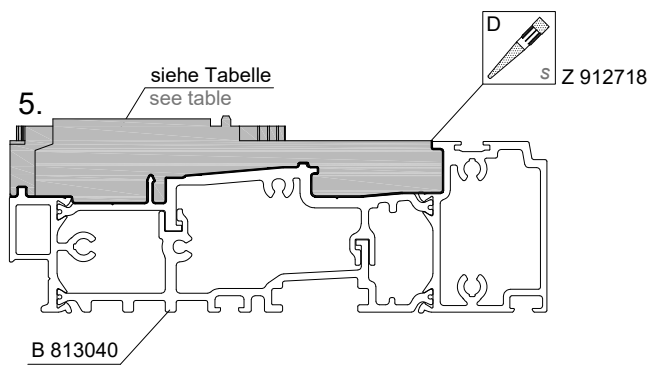
Bearbeitungsschritte Schema C

1. Dichtstoff auf Blendrahmen B 813040 aufbringen und Profil P 813660 von außen gesehen rechts bündig auf B 813040 einklipsen
2. Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu P 813660 einsetzen
3. Dichtungsrundschnur Z 902161 in P 813650 eindrücken
4. Dichtstoff auf Blendrahmen B 813040 und auf beiden Seiten von Profil P 813650 aufbringen und Profil P 813650 bündig zum Dichtungsformteil einklipsen

Processing steps scheme C

1. Apply sealing compound to fixed frame B 813040 and snap on P 813660 flush to B 813040 (right side, seen from the outside)
2. Fix the shaped gasket piece (see table) with sealing compound flush to P 813660
3. Insert gasket cord Z 902161 in profile P 813650
4. Apply sealing compound to fixed frame B 813040 and on each side of profile P 813650 and snap on P 813650 flush with shaped gasket piece



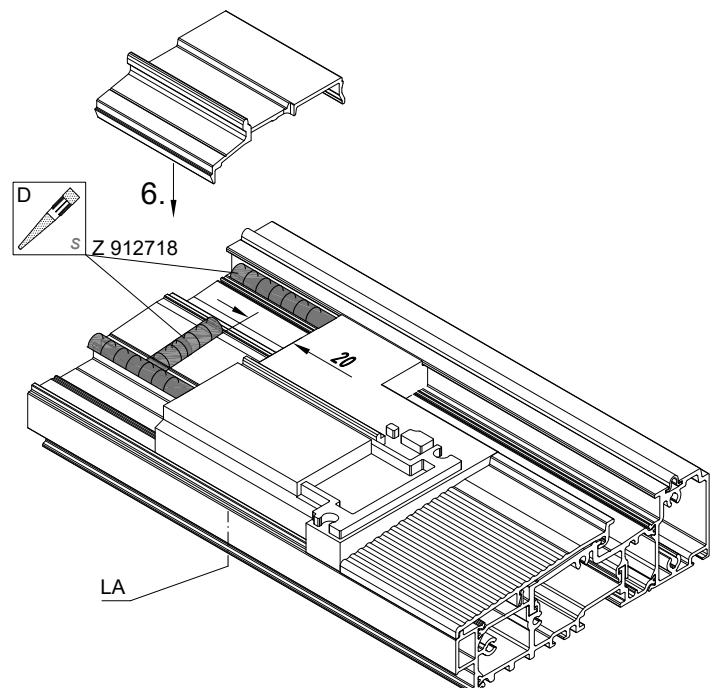


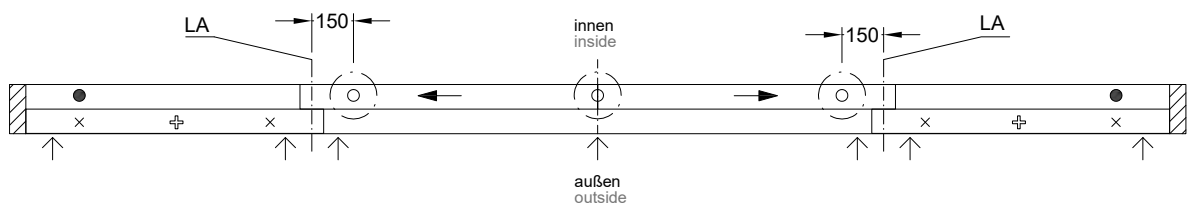
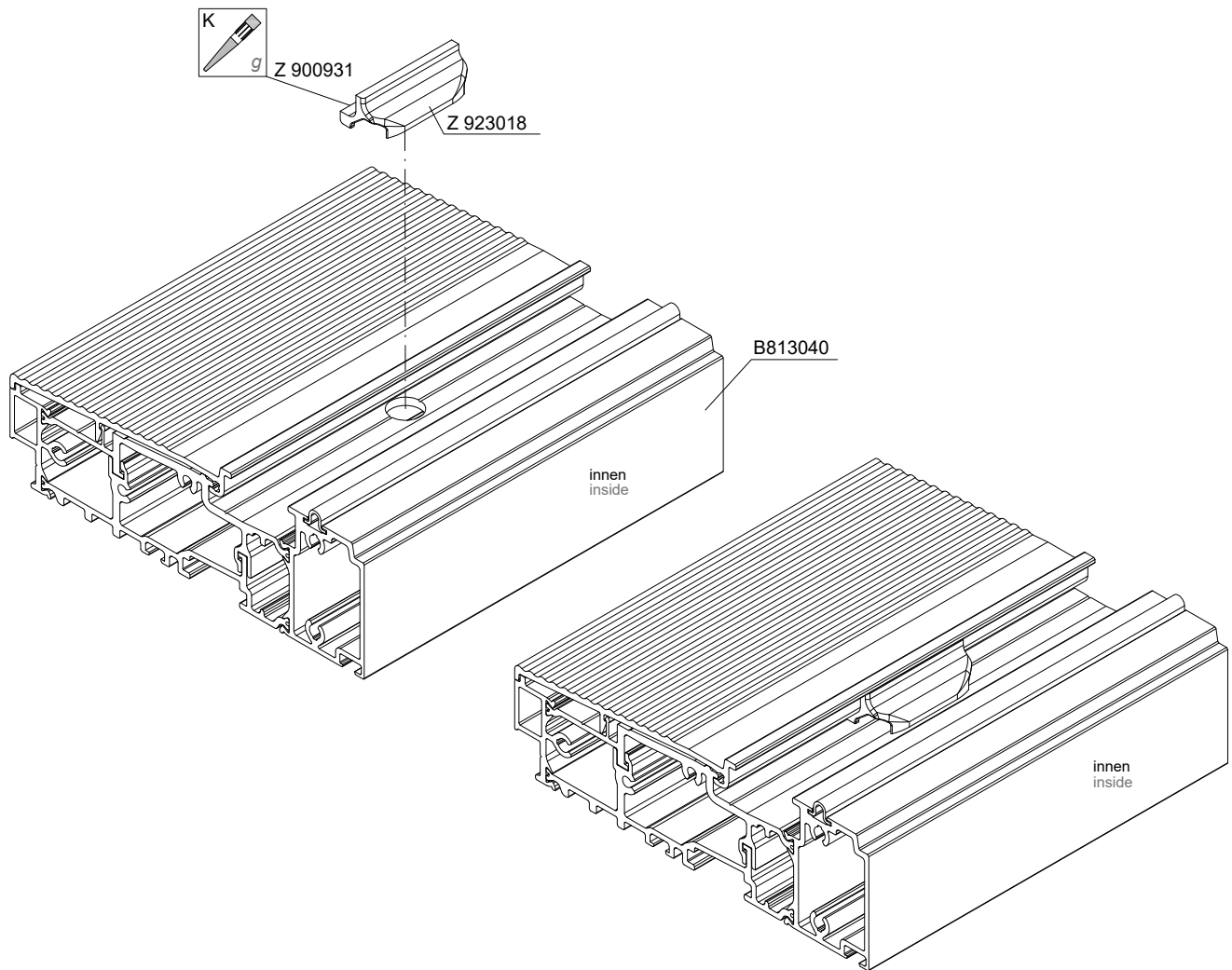
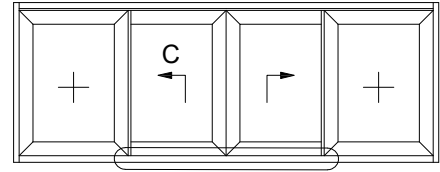
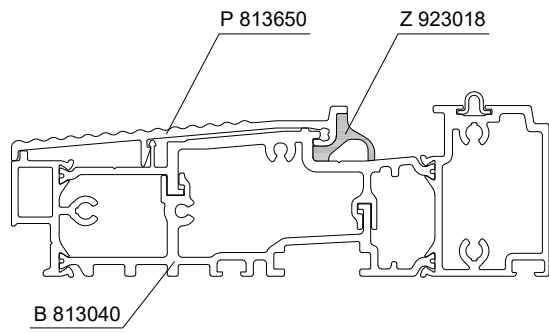
Bearbeitungsschritte Schema C

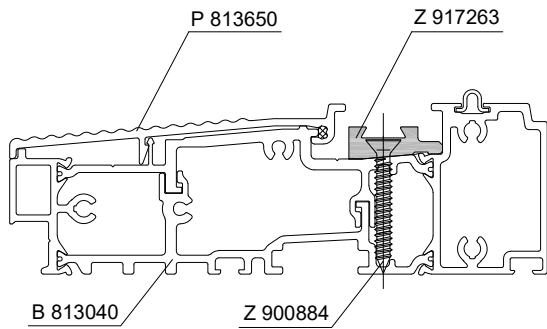
- Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu P 813650 einsetzen
- Dichtstoff auf Blendrahmen B 813040 aufbringen und Profil P 813660 bündig zum Dichtungsformteil einklipsen
- Laufschiene Z 912726 einschieben

Processing steps scheme C

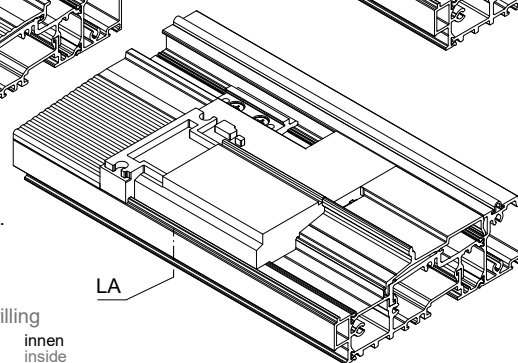
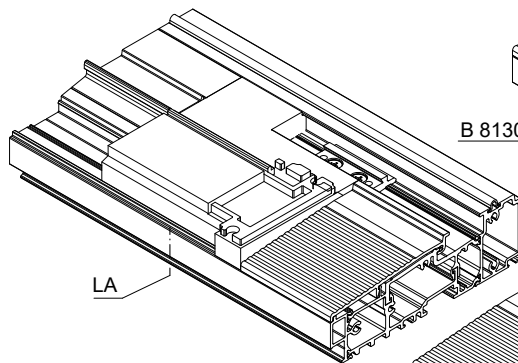
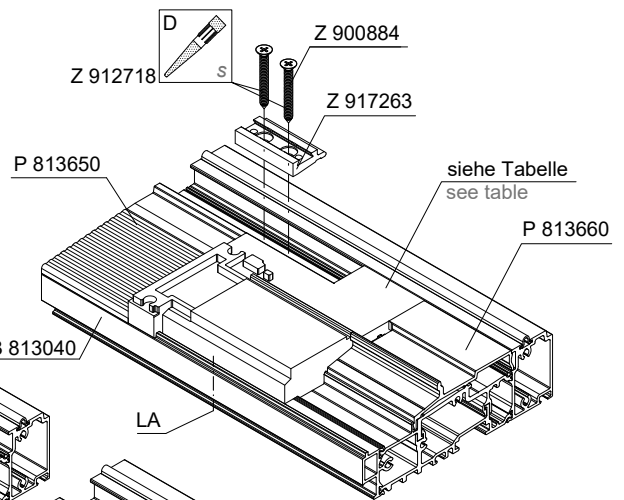
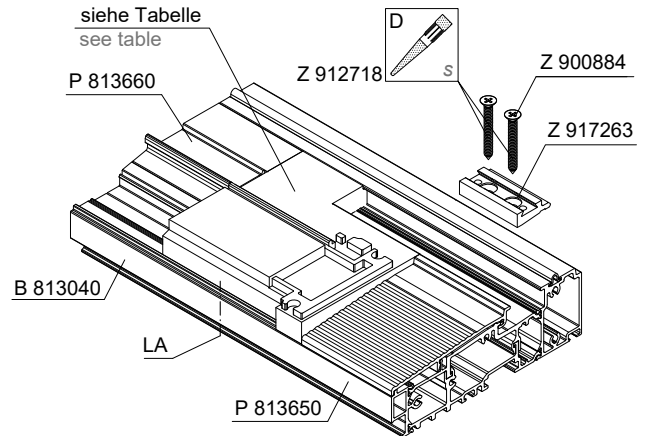
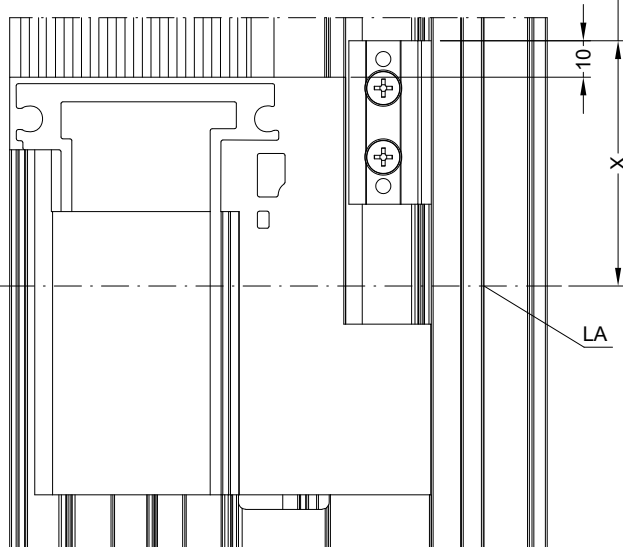
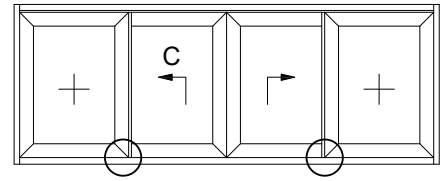
- Fix the shaped gasket piece (see table) with sealing compound flush to P 813650
- Apply sealant to fixed frame B 813040 and snap on P 813660 flush with shaped gasket piece
- Slide in the rail Z 912726







Z 918851	B 813234	x = 67.5
Z 918850	B 813235	
Z 918995	B 813232	x = 61.5
Z 918996	B 813233	

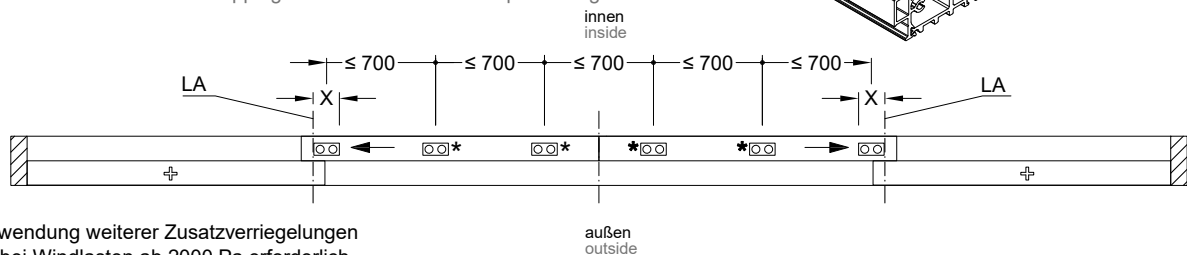


Bearbeitungsschritte Schema C

1. Unterteil Z 917263 in Profil B 813040 einsetzen
2. Mit Senkblechschrauben Z 900884 ohne vorbohren verschrauben.

Processing steps scheme C

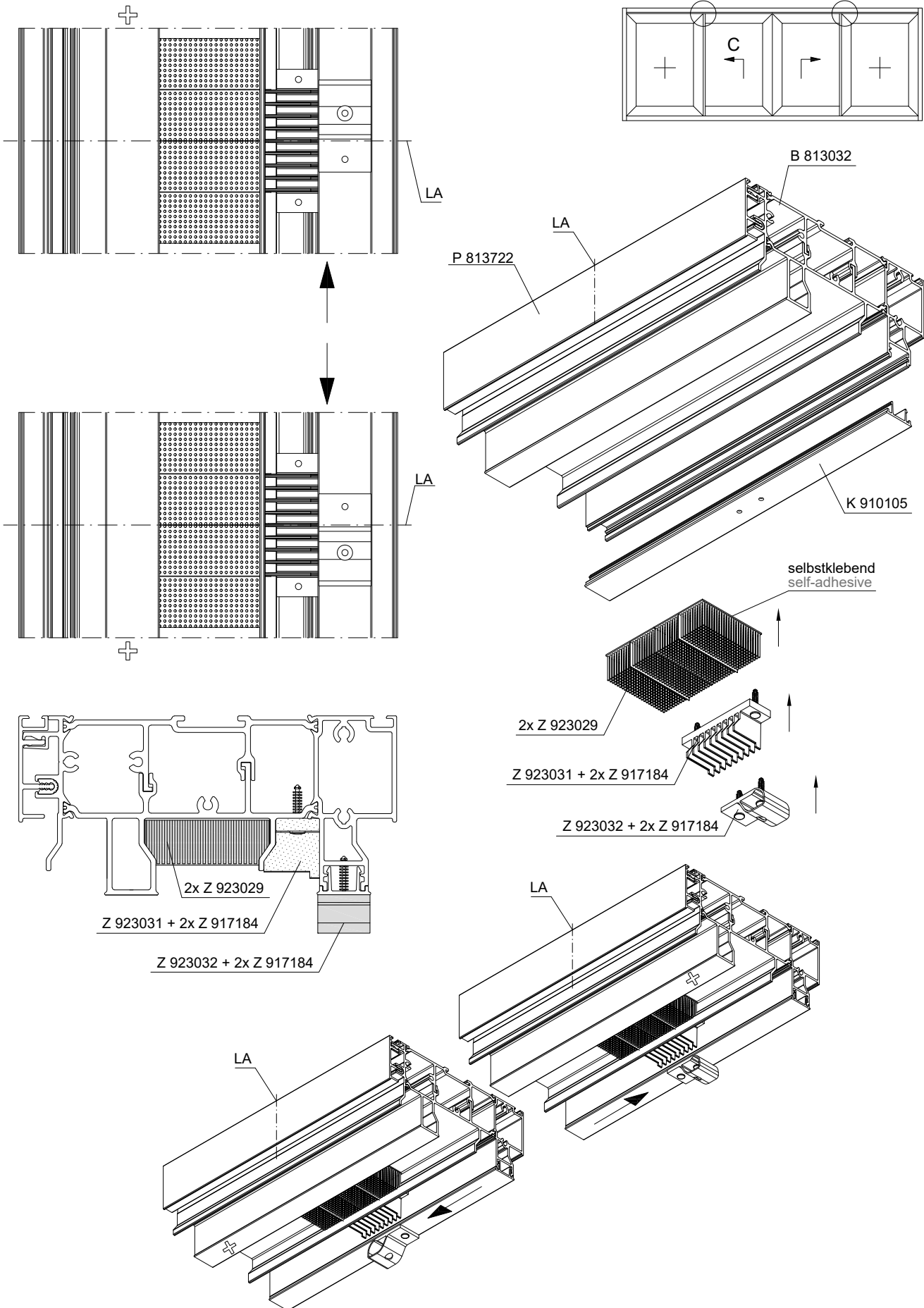
1. Insert base part Z 917263 into profile B 813040
2. Fix it with countersunk self-tapping screw Z 900884 without pre-drilling



* Verwendung weiterer Zusatzverriegelungen nur bei Windlasten ab 2000 Pa erforderlich

* Use of further additional locking systems only required for wind loads from 2000 Pa

MONTAGE • DICHTFORMTEILE
 ASSEMBLY • SHAPED GASKET PIECES



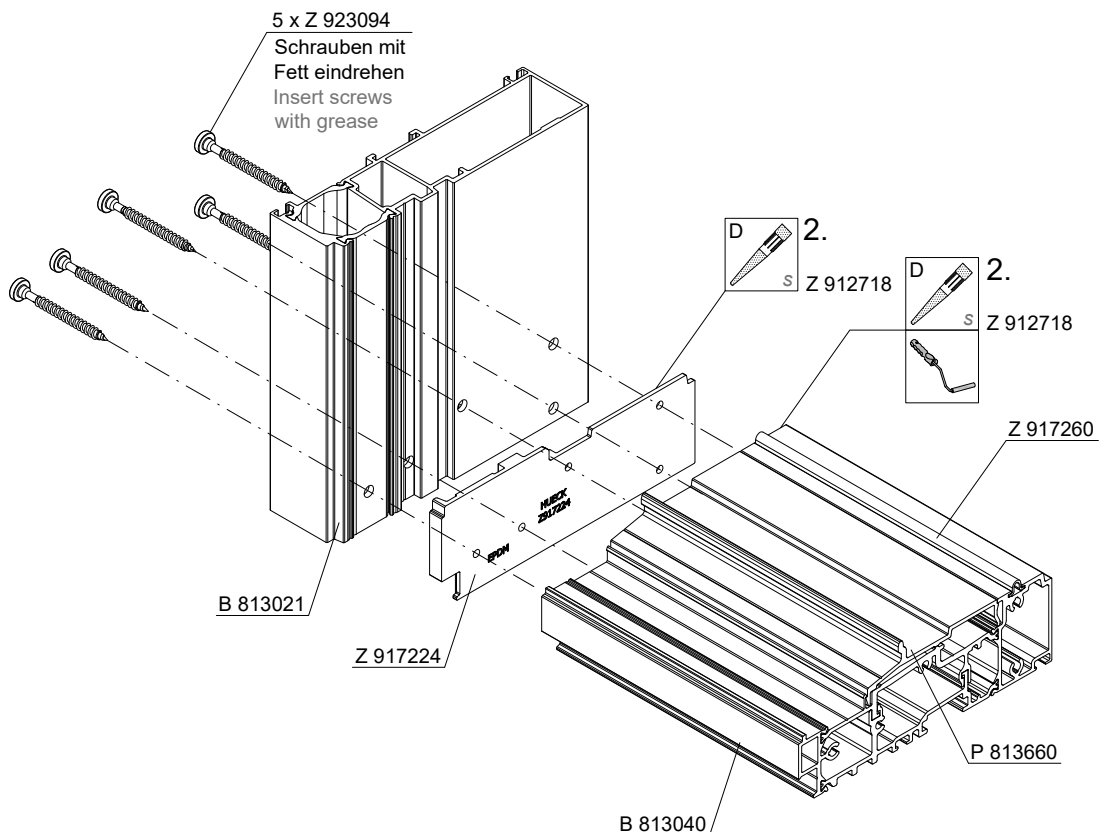
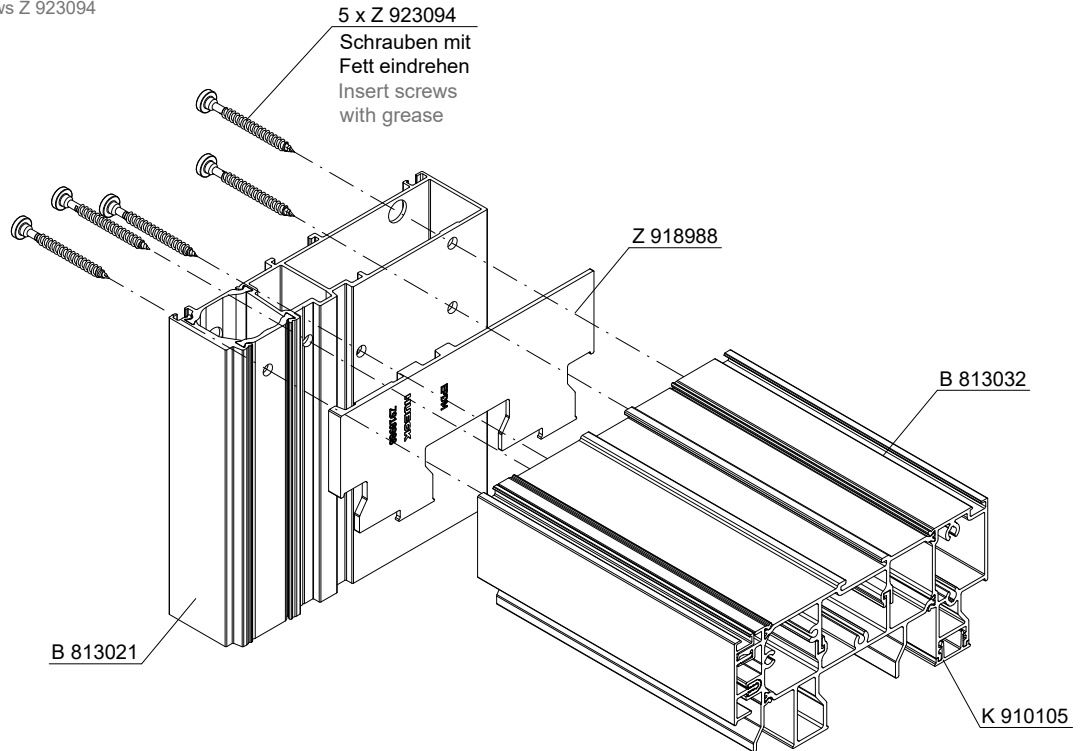
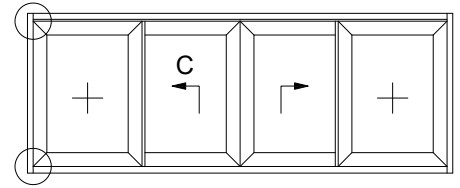
MONTAGE • ECKVERBINDUNGEN
ASSEMBLY • CORNER CONNECTIONS

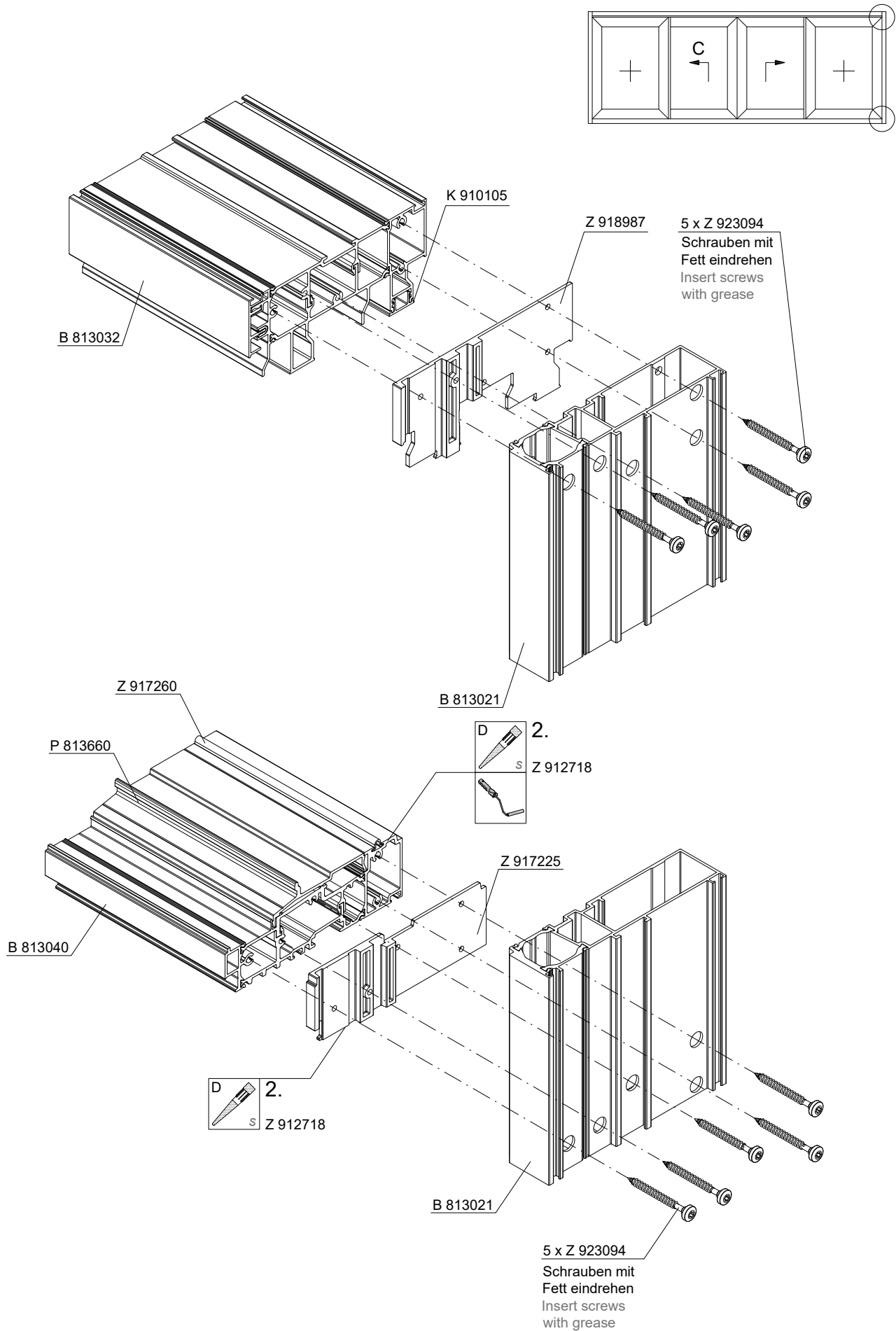
Bearbeitungsschritte Schema C

1. Dämmkern in Blendrahmen B 813021 einschieben (optional)
2. Dichtstoff auf Dichtformteil und Blendrahmen aufbringen und Dichtformteile einlegen
3. Profile rechtwinklig ausrichten
4. Profile mit Schrauben Z 923094 verschrauben

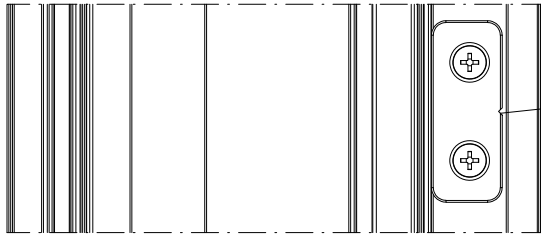
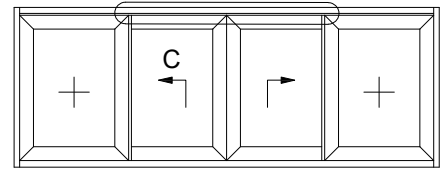
Processing steps scheme C

1. Insert insulating core in frame profiles B 813021 (optionally)
2. Apply sealing compound on the shaped gasket piece and fixed frame and assemble the shaped gasket pieces
3. Adjust the profiles rectangular
4. Fix the profiles with screws Z 923094

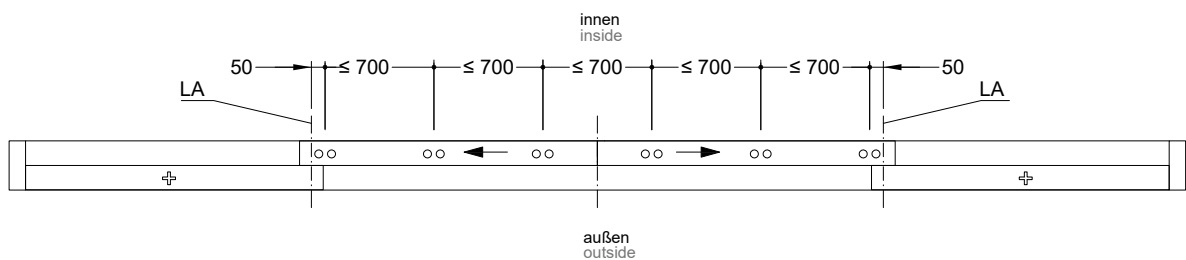
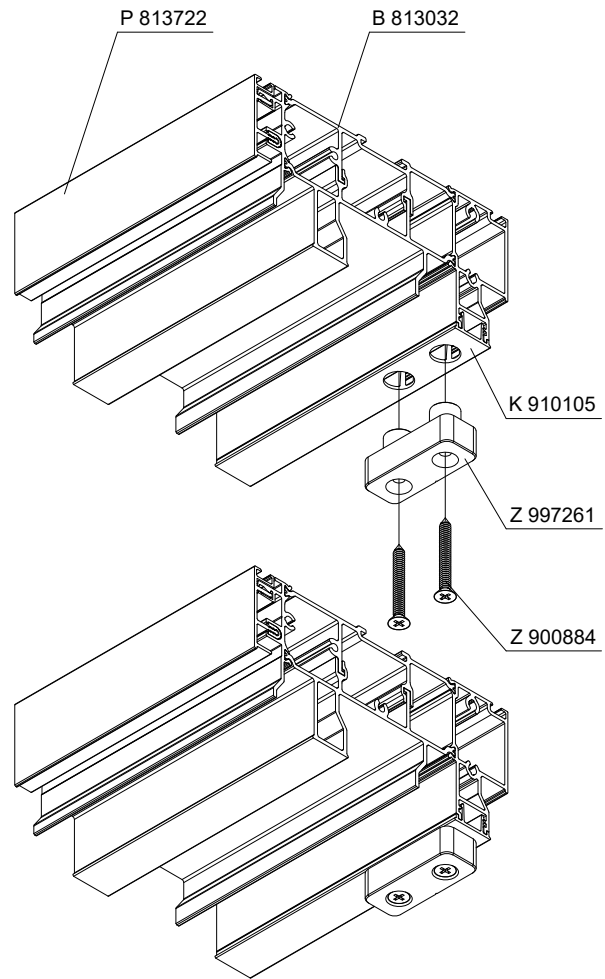
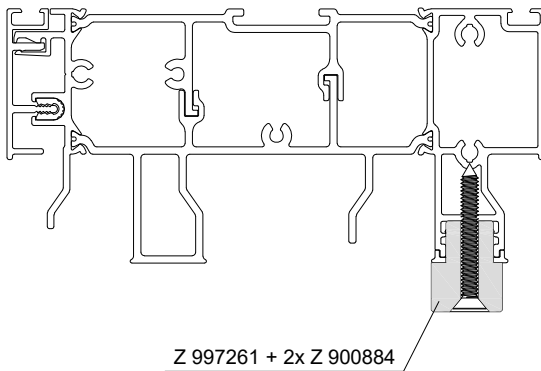




Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



Asymmetrisches Bauteil
 Markierung muss nach innen zeigen
 Asymmetrical component
 Mark must point inward



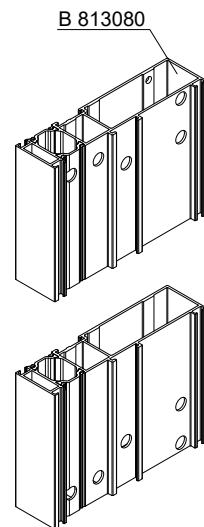
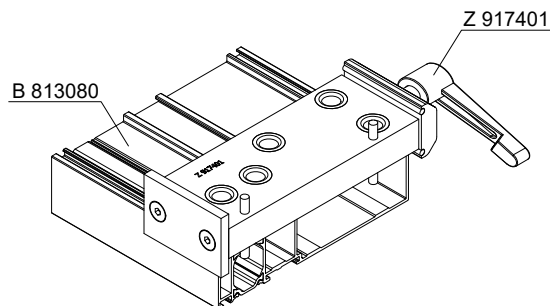
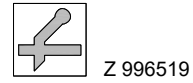
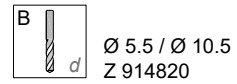
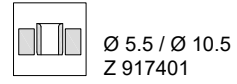
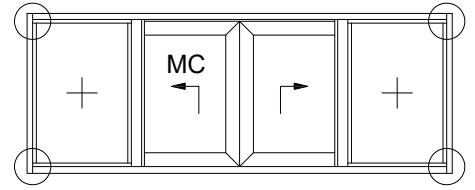
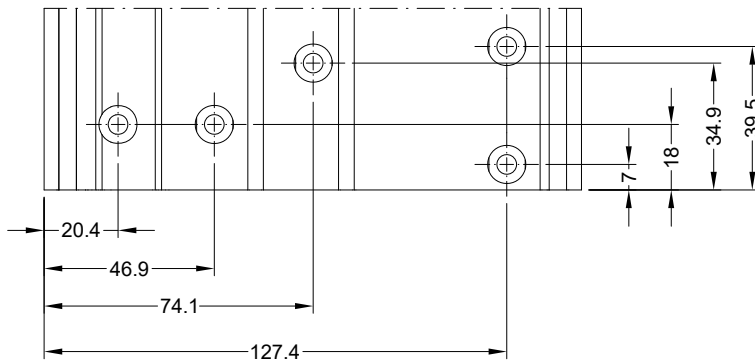
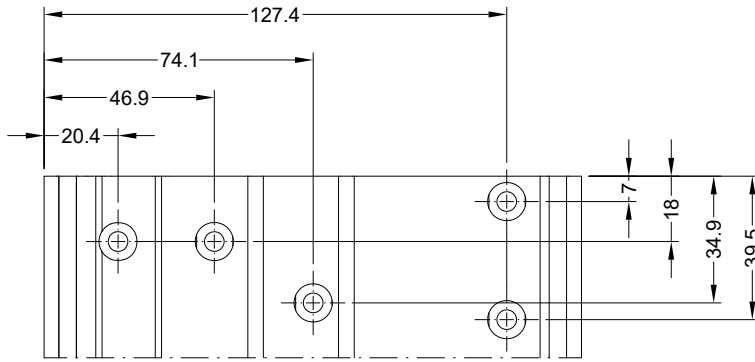
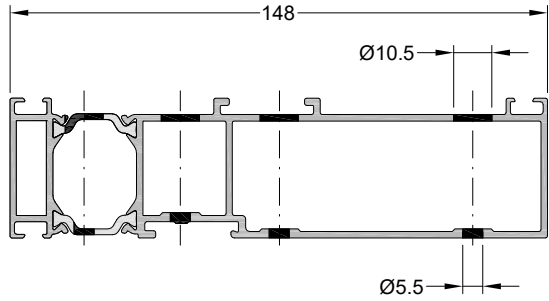
ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME

BLENDRAHMEN FIXED FRAME		
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
MC		<p>Monorail mit 4 Feldern 2 Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach links oder rechts öffnend</p> <p>Monorail with 4 fields 2 sliding sashes in the middle 1 fixed field left and right each Primary sash sliding to the left or right</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity				
Z 997660		Z 923094	20		Z 917184	8		
		Z 918991	1		Z 923030	4		
		Z 918992	1		Z 917634	50		
		Z 918119	1		Z 918345	2		
		Z 918120	1		Z 918493	1		
		Z 917253	2		Z 918494	1		
		Z 923018	3		Z 923064	4		
		Z 923031	2					
		Z 923032	2					

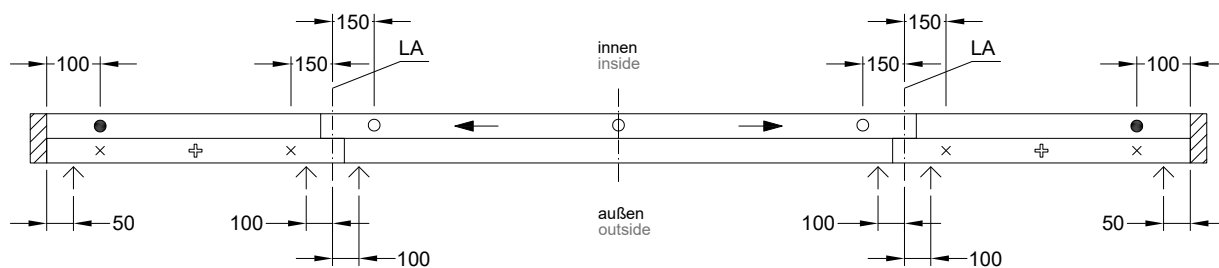
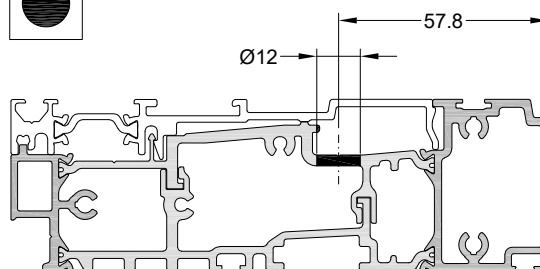
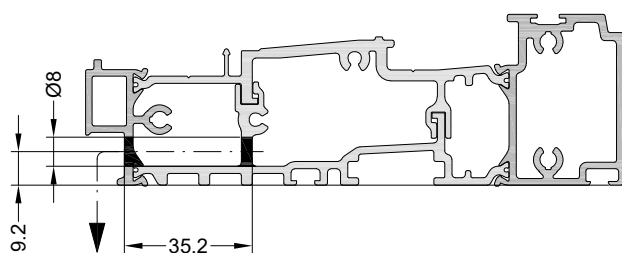
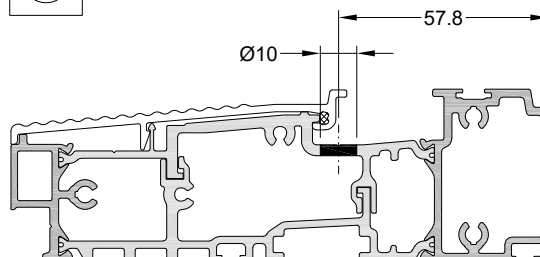
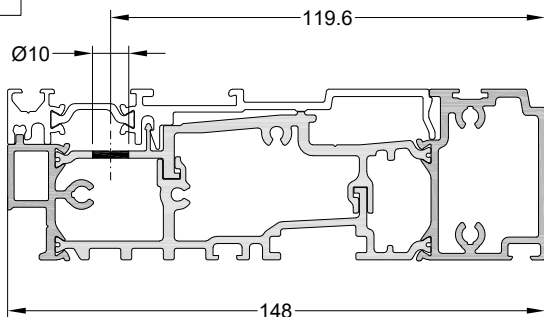
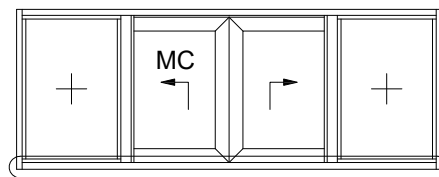
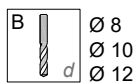
ECKVERBINDUNGEN
 CORNER CONNECTIONS

B 813080



ENTWÄSSERUNG
 DRAINAGE

B 813040

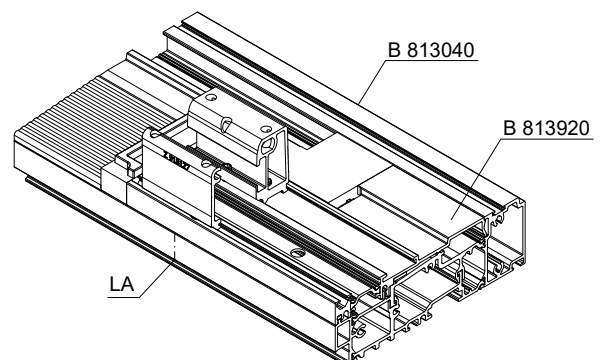
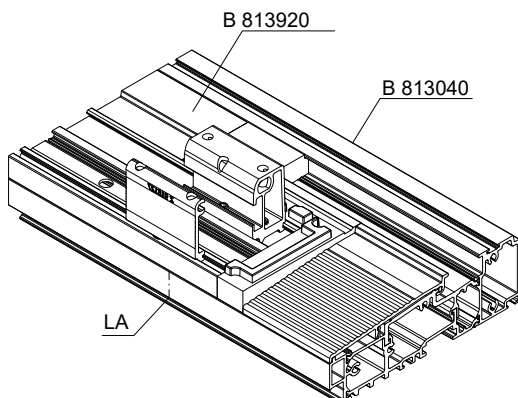
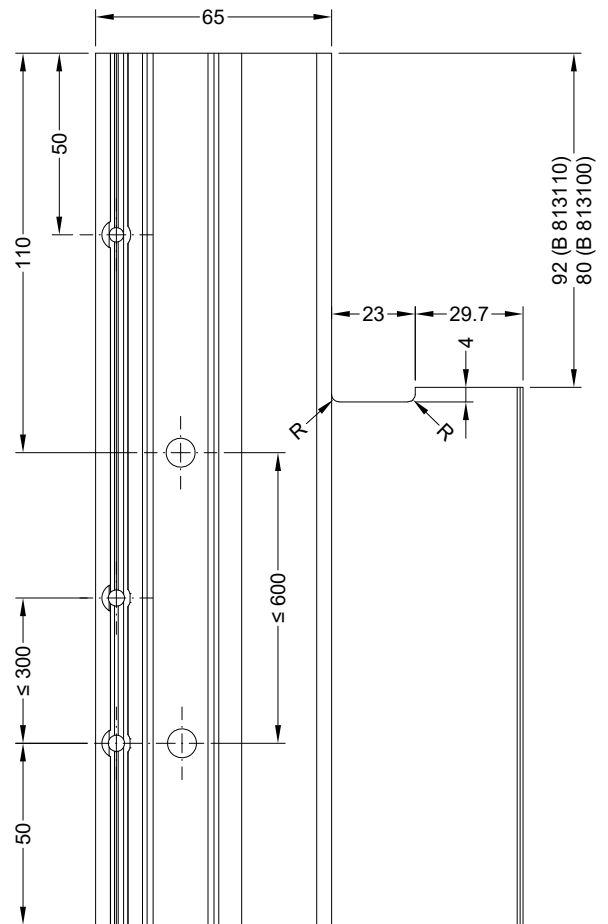
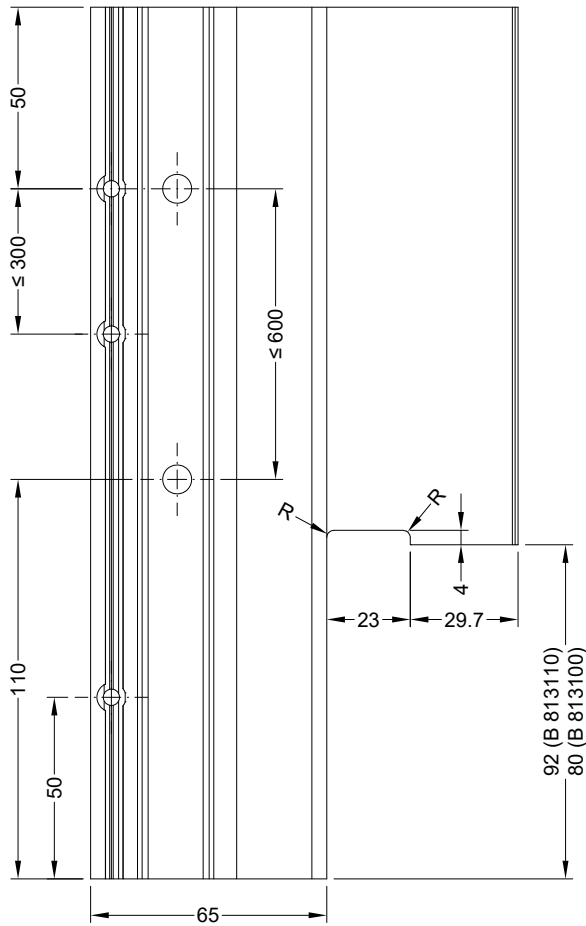
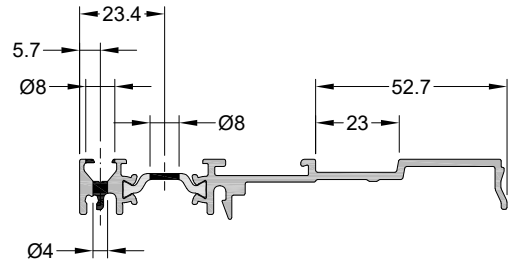
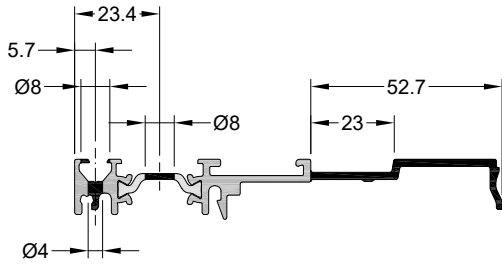
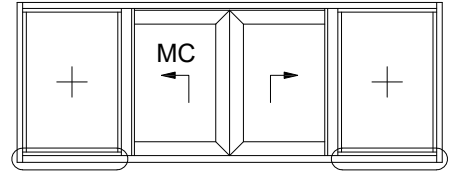
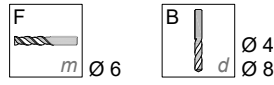


- × Bohrung Ø10
- Bohrung Ø10
- ↑ Bohrung Ø8
- Bohrung Ø12 für Kugelventil

- × drill hole Ø10
- drill hole Ø10
- ↑ drill hole Ø8
- drill hole Ø12 for ball valve

RAHMENBEARBEITUNG
 FRAME PROCESSING

B 813920



BELÜFTUNG
 VENTILATION

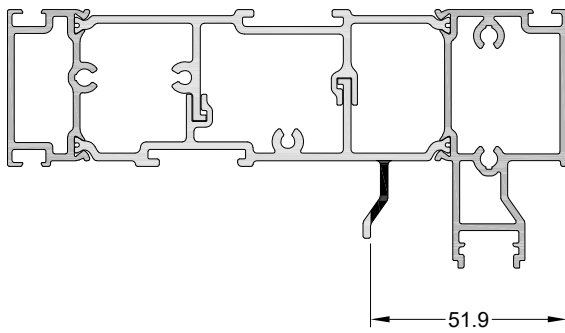
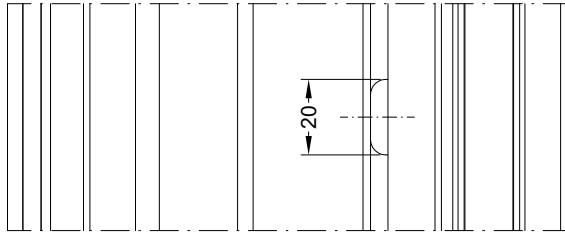
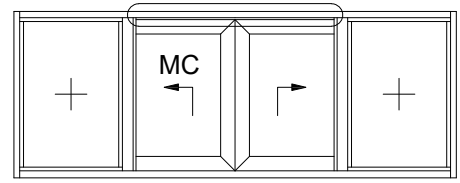
B 813071



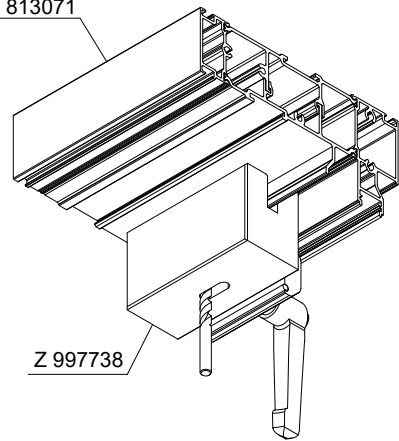
Z 997738



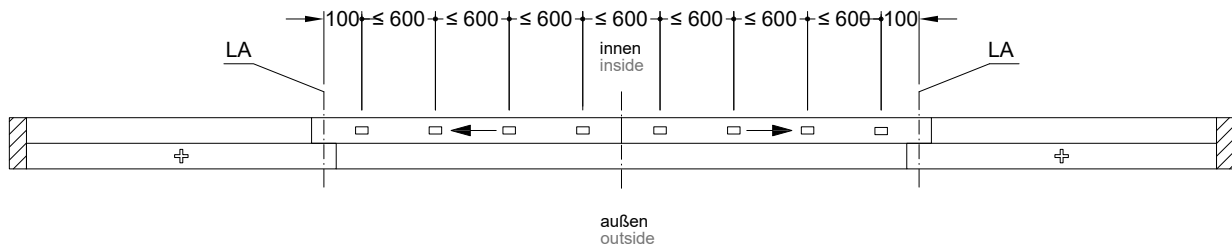
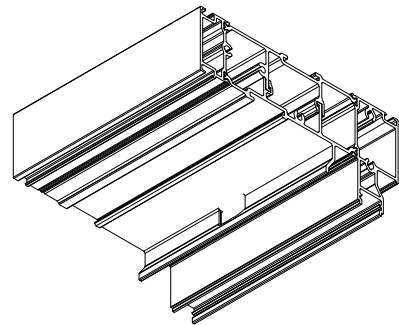
Ø 6



B 813071



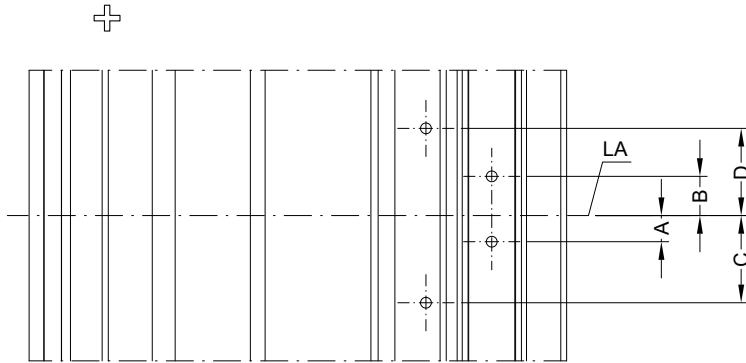
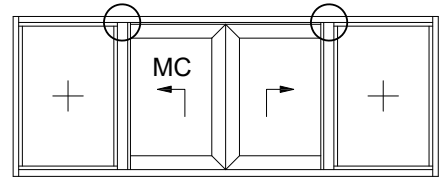
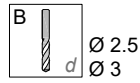
Z 997738



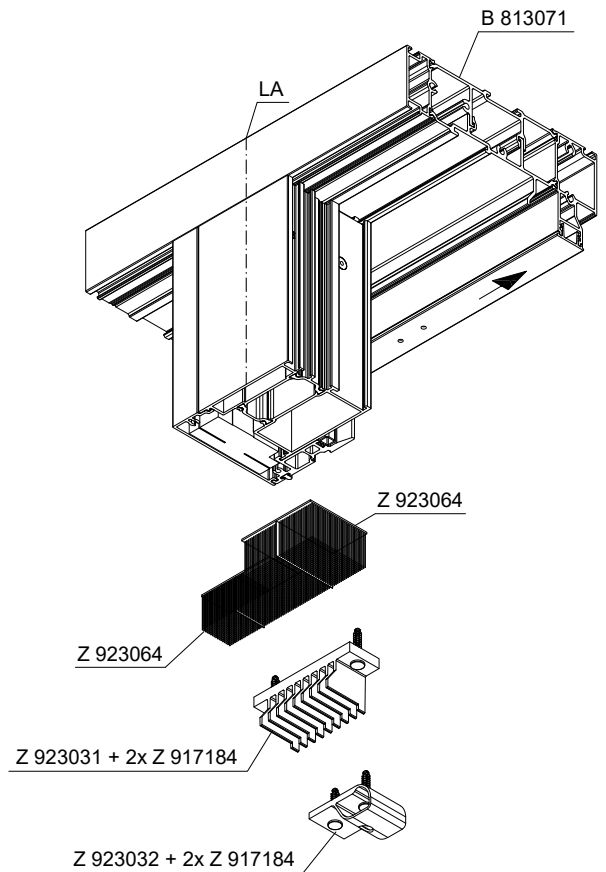
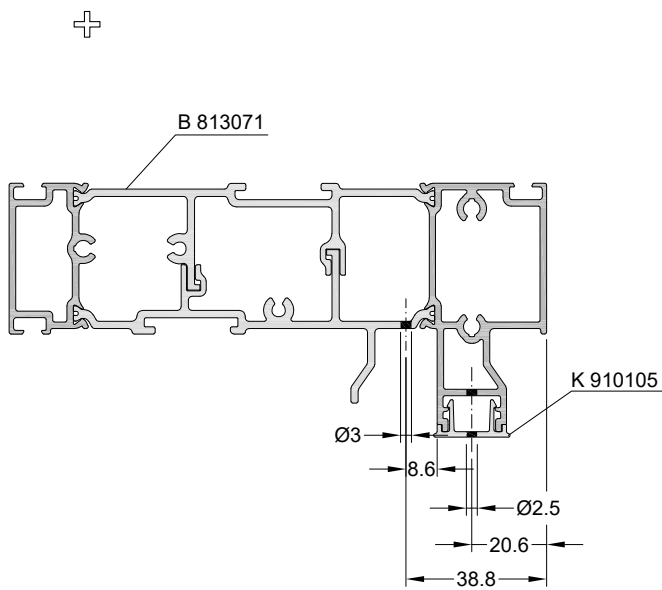
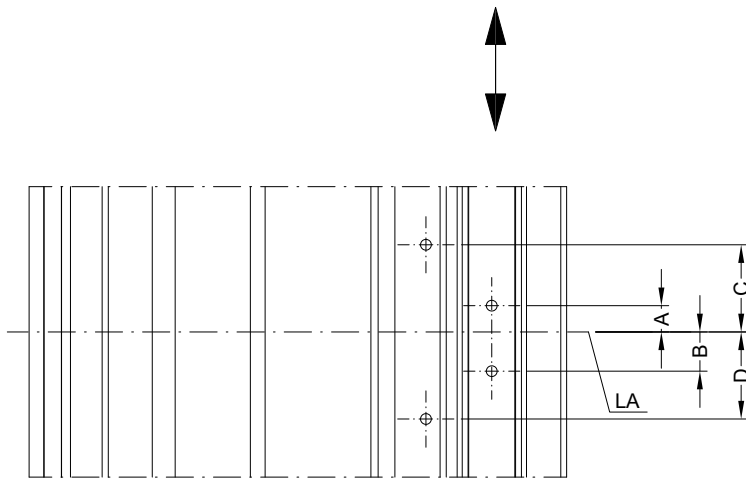
□ Fräsung Ø6 □ milling Ø6

DICHTFORMTEIL
 SHAPED GASKET PIECE

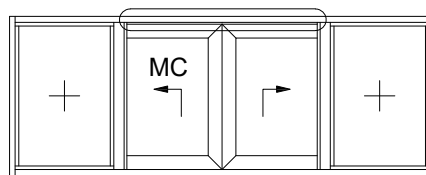
B 813071 + K 910105



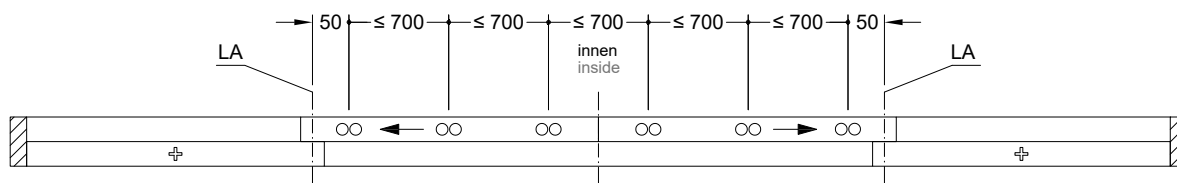
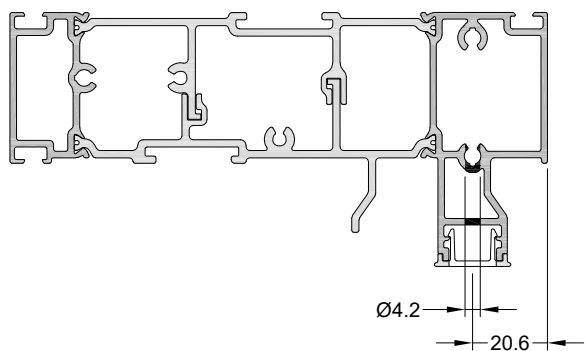
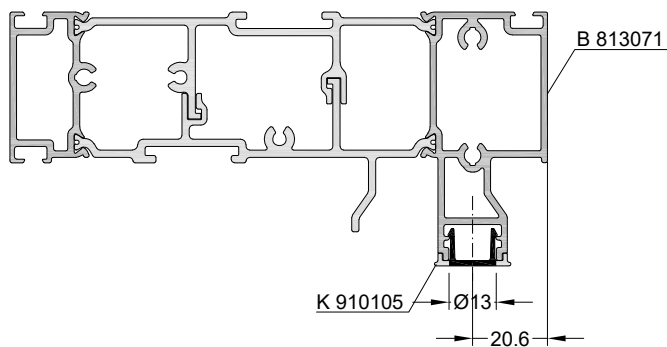
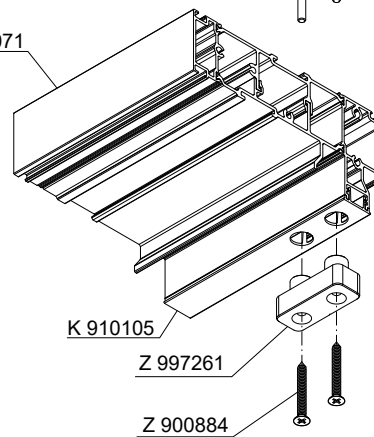
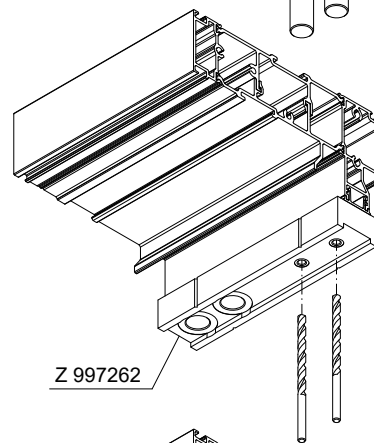
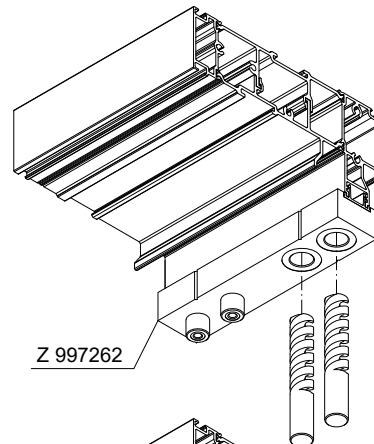
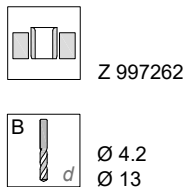
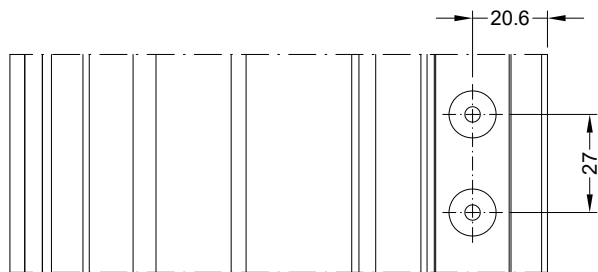
	A	B	C	D
B 813110	7	11	24	24
B 813100	13	5	30	18



Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



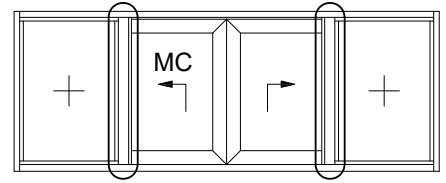
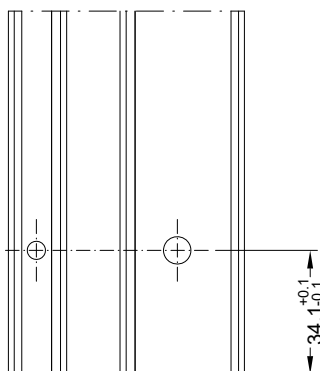
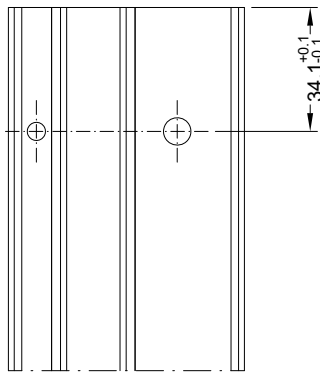
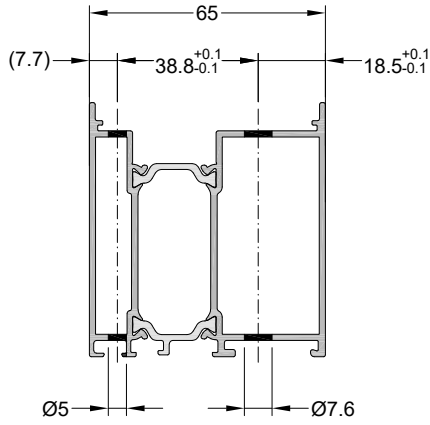
B 813071 + K910105



∅ ∅ Bohrung Ø13 / Ø4.3 ∅ ∅ drill hole Ø13 / Ø4.3

STOSSVERBINDER
 T-BRACKET

B 813110 / B 813100



Ø 5 / Ø 7.6
 Z 914709

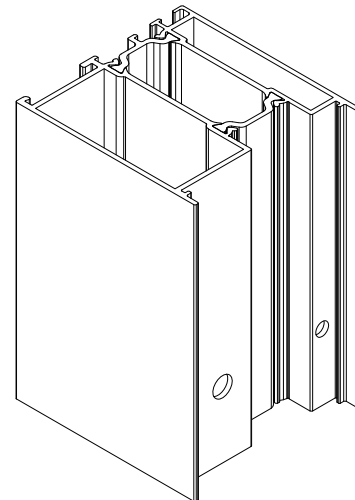
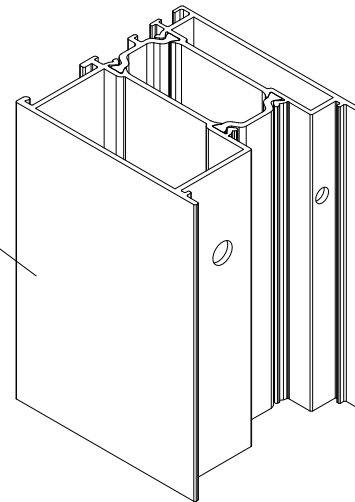


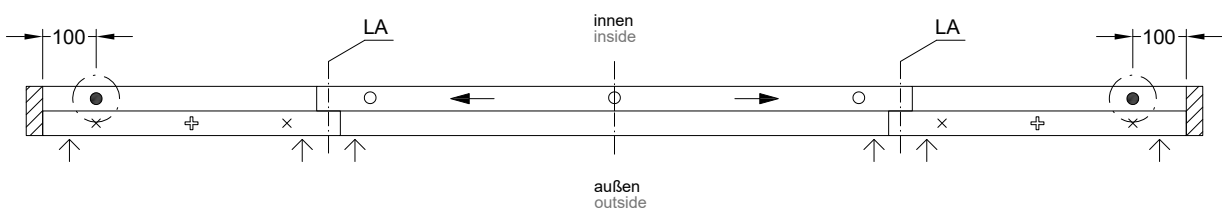
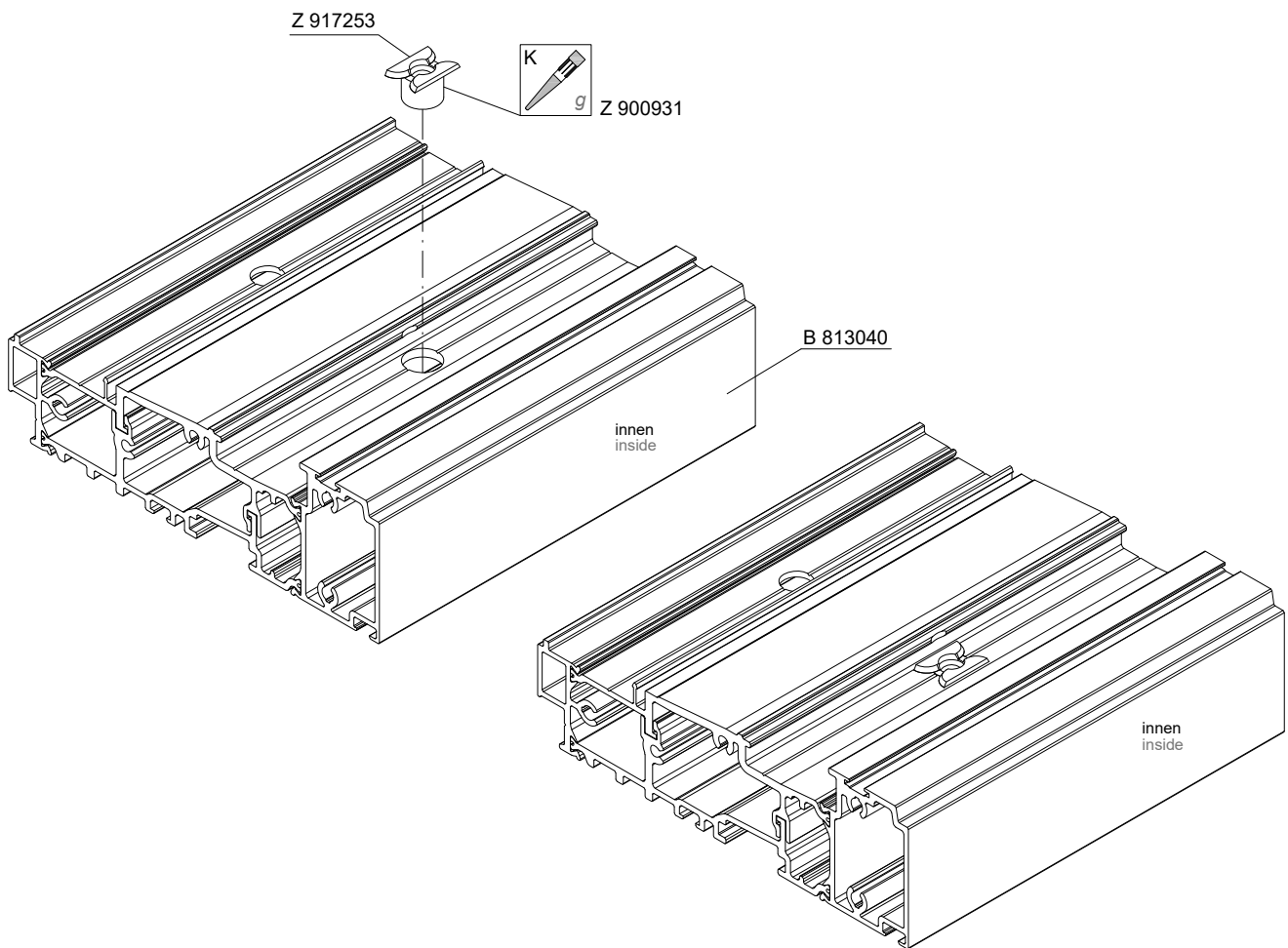
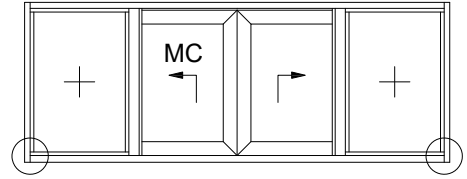
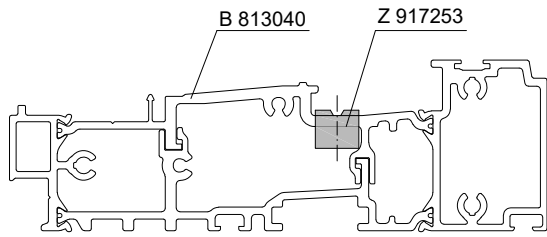
Ø 5
 Ø 7.6

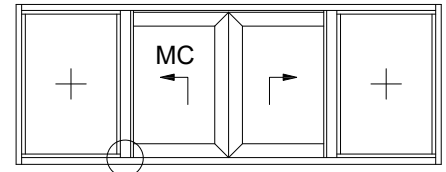
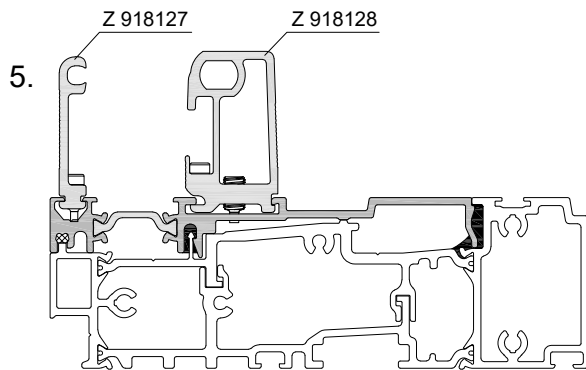
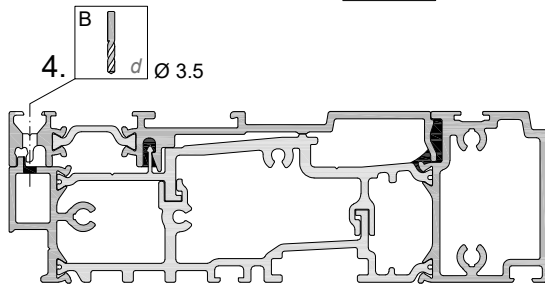
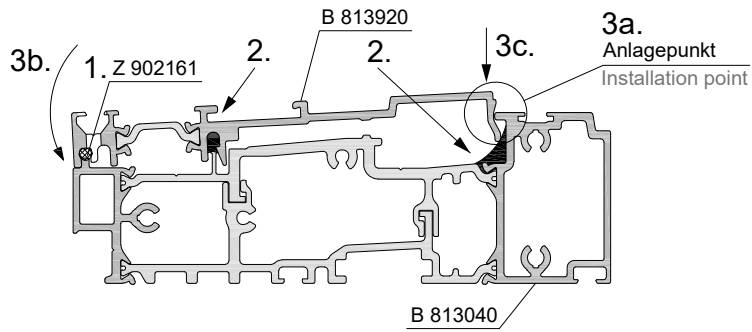


Z 996068

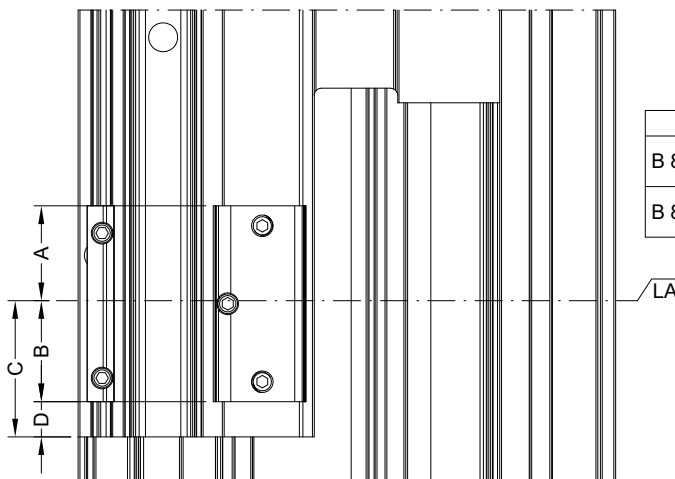
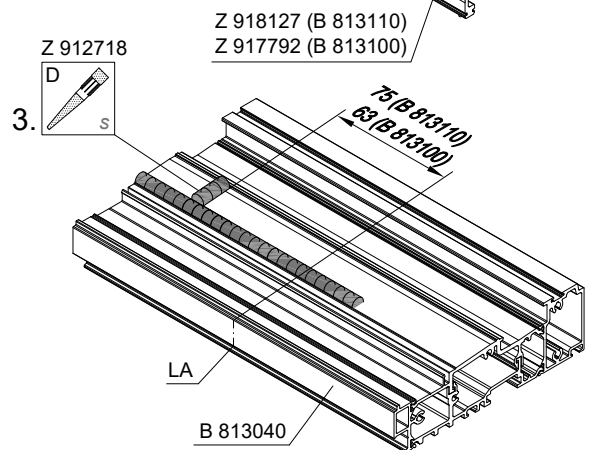
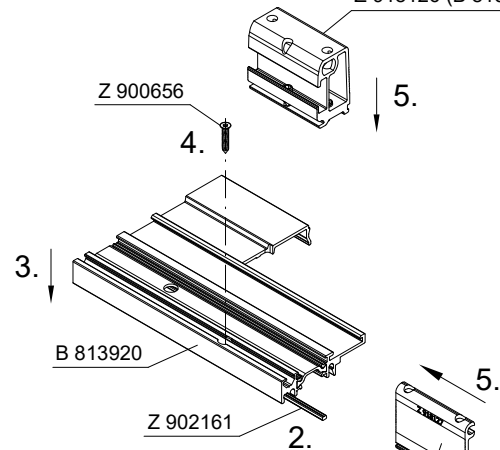
B 813110
 B 813100



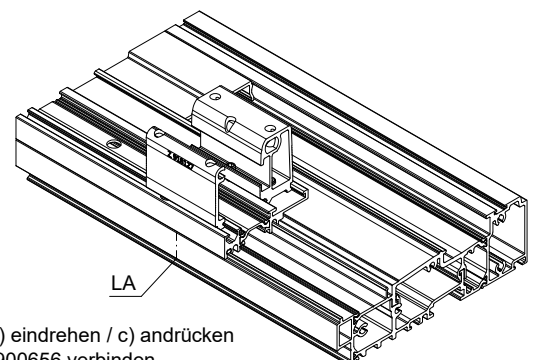




Z 918128 (B 813110)
Z 918126 (B 813100)



	A	B	C	D
B 813110	26.1	27.8	37.5 (9.7)	
B 813100	20.1	21.8	31.5 (9.7)	

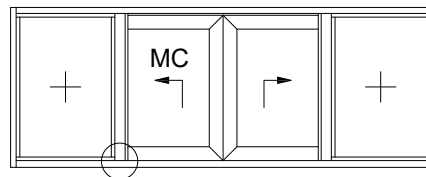
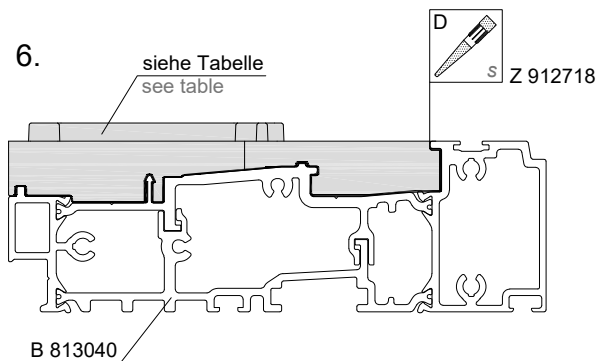


Bearbeitungsschritte Schema MC

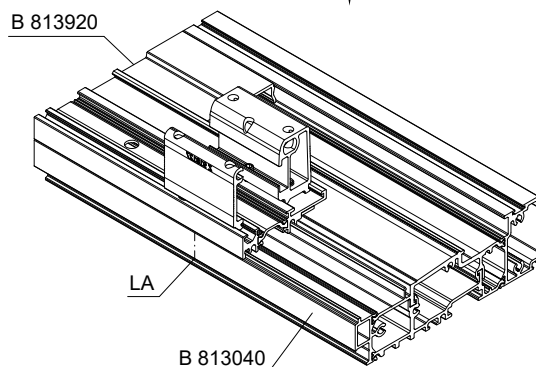
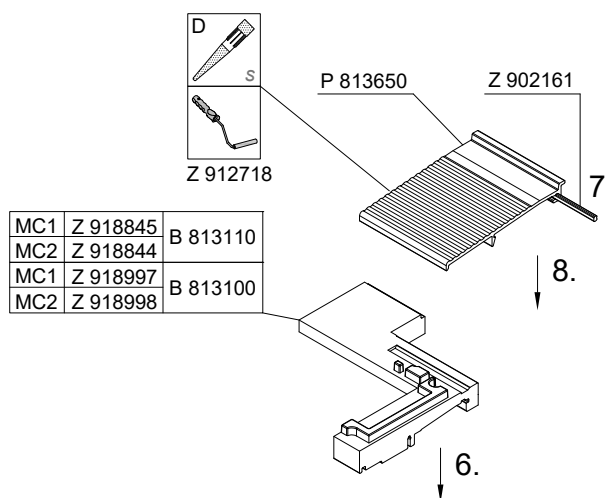
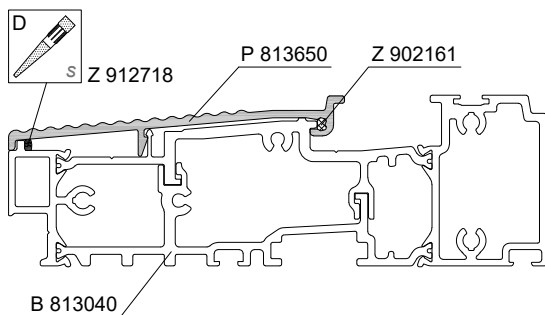
1. Dichtungsrundschnur Z 902161 in B 813920 eindrücken
2. Dichtstoff auf Blendrahmen B 813040 und Profil B 813920 aufbringen
3. a) B 813920 von außen gesehen rechts bündig und am Anlagepunkt anlegen / b) eindrehen / c) andrücken
4. Profil B 813040 mit Ø 3.5 mm bohren und mit Profil B 813920 und Schrauben Z 900656 verbinden
5. Stoßverbinder in B 813920 einschieben / einhängen, ausrichten und die Schrauben andrehen

Processing steps scheme MC

1. Insert gasket cord Z 902161 in profile B 813920
2. Apply sealing compound on profile B 813040 and B 813920
3. a) Place B 813920 right flush, in contact with the installation point / b) Turn in / c) Press down
4. Profile B 813040 drill with Ø 3.5 mm and connect with screws Z 900656 and Profile B 813920
5. Install T-brackets with B 813920 and fix with screws after adjusting



7. + 8.

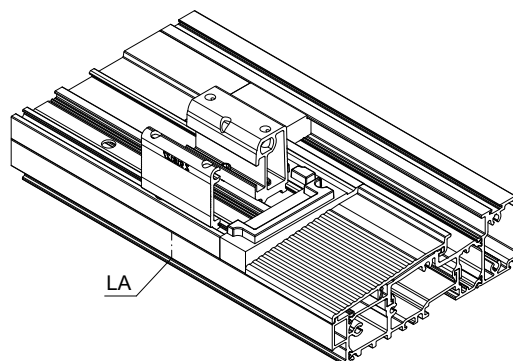


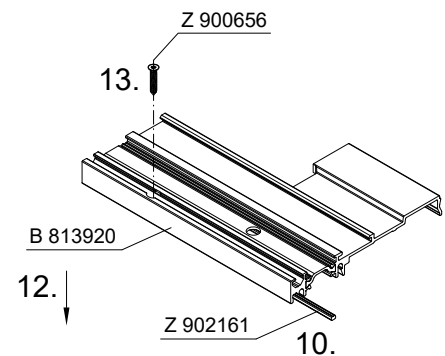
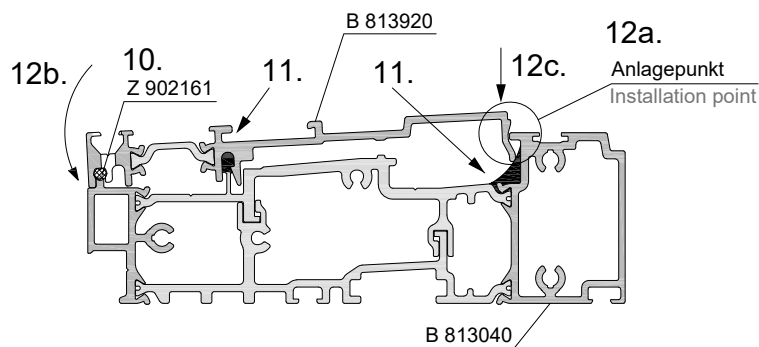
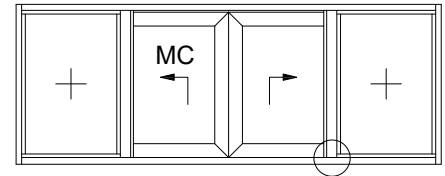
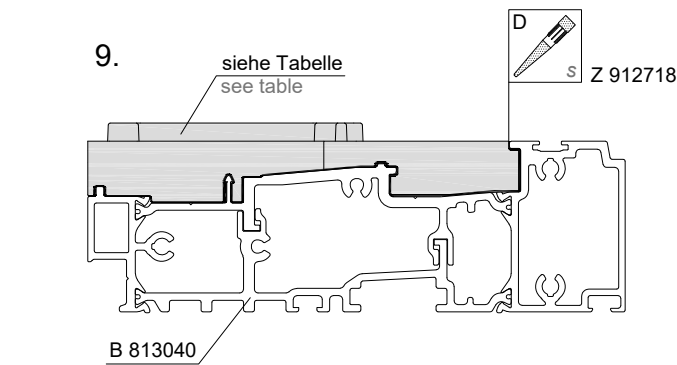
Bearbeitungsschritte Schema MC

6. Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu Profil B 813920 einsetzen
7. Dichtungsroundschnur Z 902161 in Profil P 813650 eindrücken
8. Dichtstoff auf Blendrahmen B 813040 und Profil P 813650 aufbringen und P 813650 bündig zum Dichtungsformteil einklipsen

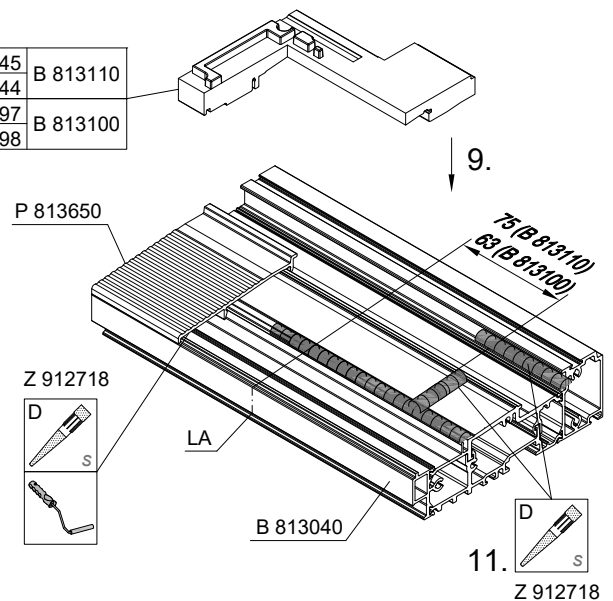
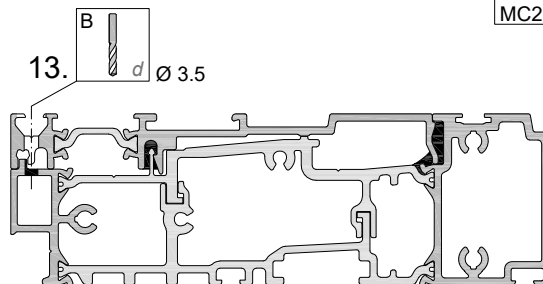
Processing steps scheme MC

6. Fix the shaped gasket piece (see table) with sealing compound flush to profile B 813920
7. Insert gasket cord Z 902161 in profile B 813650
8. Apply sealing compound on profile B 813040 and P 813650 and snap on P 813650 flush with shaped gasket piece





MC1	Z 918845	B 813110
MC2	Z 918844	B 813110
MC1	Z 918997	B 813100
MC2	Z 918998	B 813100

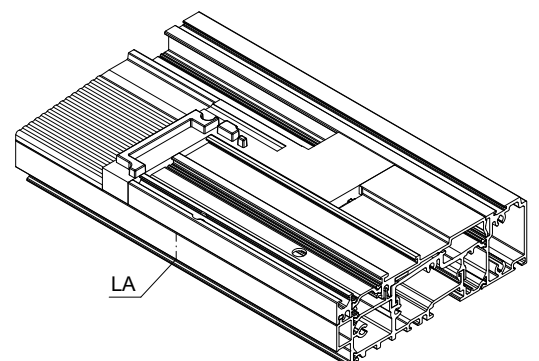


Bearbeitungsschritte Schema MC

9. Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu P 813650 einsetzen
10. Dichtungsroundschnur Z 902161 in B 813920 eindrücken
11. Dichtstoff auf Blendrahmen B 813040 und Profil B 813920 aufbringen
12. a) B 813920 von außen gesehen rechts bündig und am Anlagepunkt anlegen / b) eindrehen / c) andrücken
13. Profil B 813040 mit $\varnothing 3.5$ mm bohren und mit Profil B 813920 und Schrauben Z 900656 verbinden

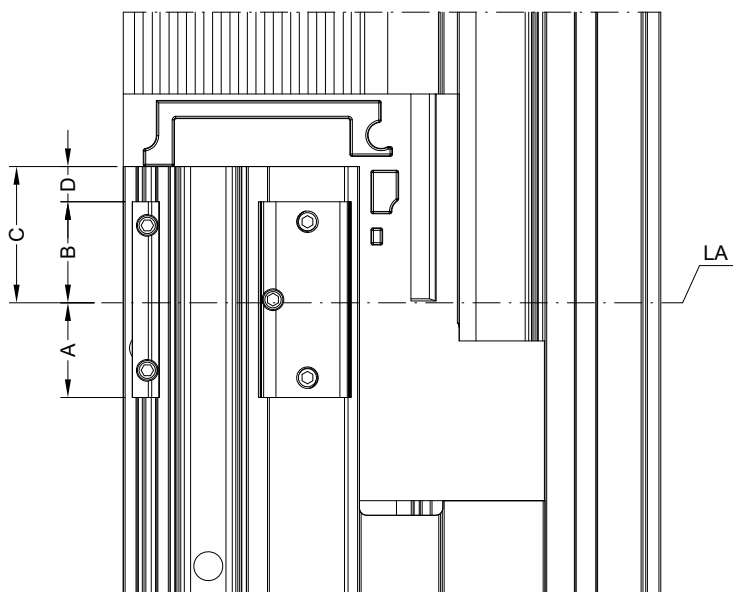
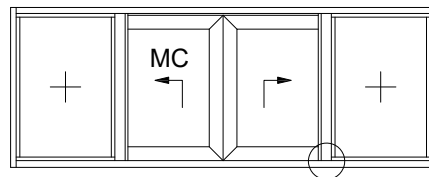
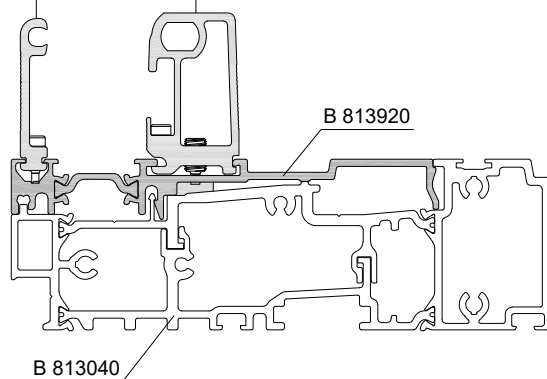
Processing steps scheme MC

9. Fix the shaped gasket piece (see table) with sealing compound flush to profile B 813650
10. Insert gasket cord Z 902161 in profile B 813920
11. Apply sealing compound on profile B 813040 and B 813920
12. a) Place B 813920 right flush, in contact with the installation point / b) Turn in / c) Press down
13. Profile B 813040 drill with $\varnothing 3.5$ mm and connect with screws Z 900656 and Profile B 813920

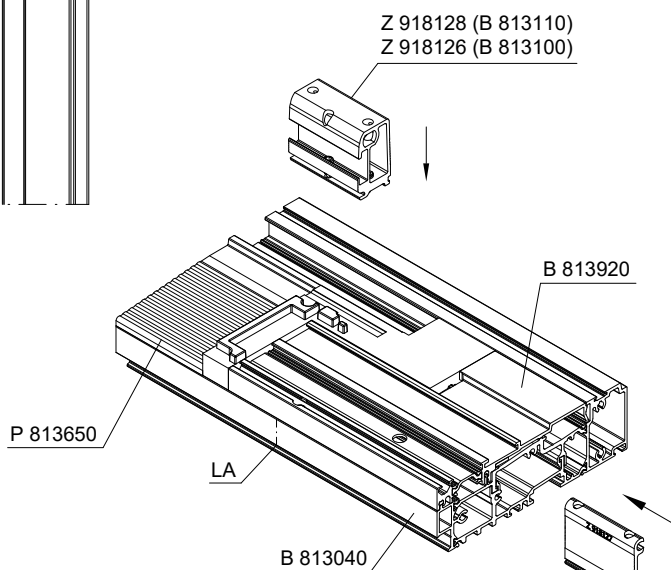


MONTAGE • LABYRINTHBEREICH
 ASSEMBLY • LABYRINTH AREA

Z 918127 (B 813110) Z 918128 (B 813110)
 Z 917792 (B 813100) Z 918126 (B 813100)



	A	B	C	D
B 813110	26.1	27.8	37.5	(9.7)
B 813100	20.1	21.8	31.5	(9.7)

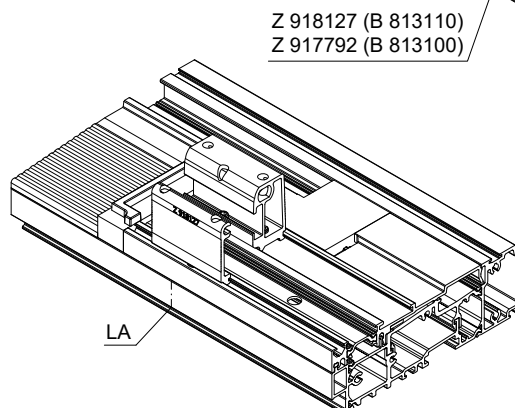


Bearbeitungsschritte Schema MC

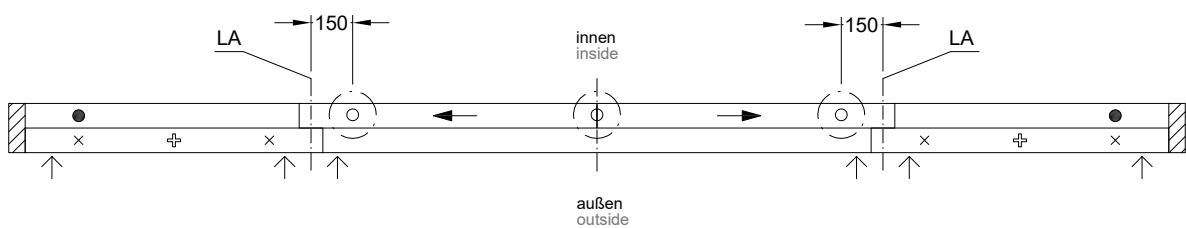
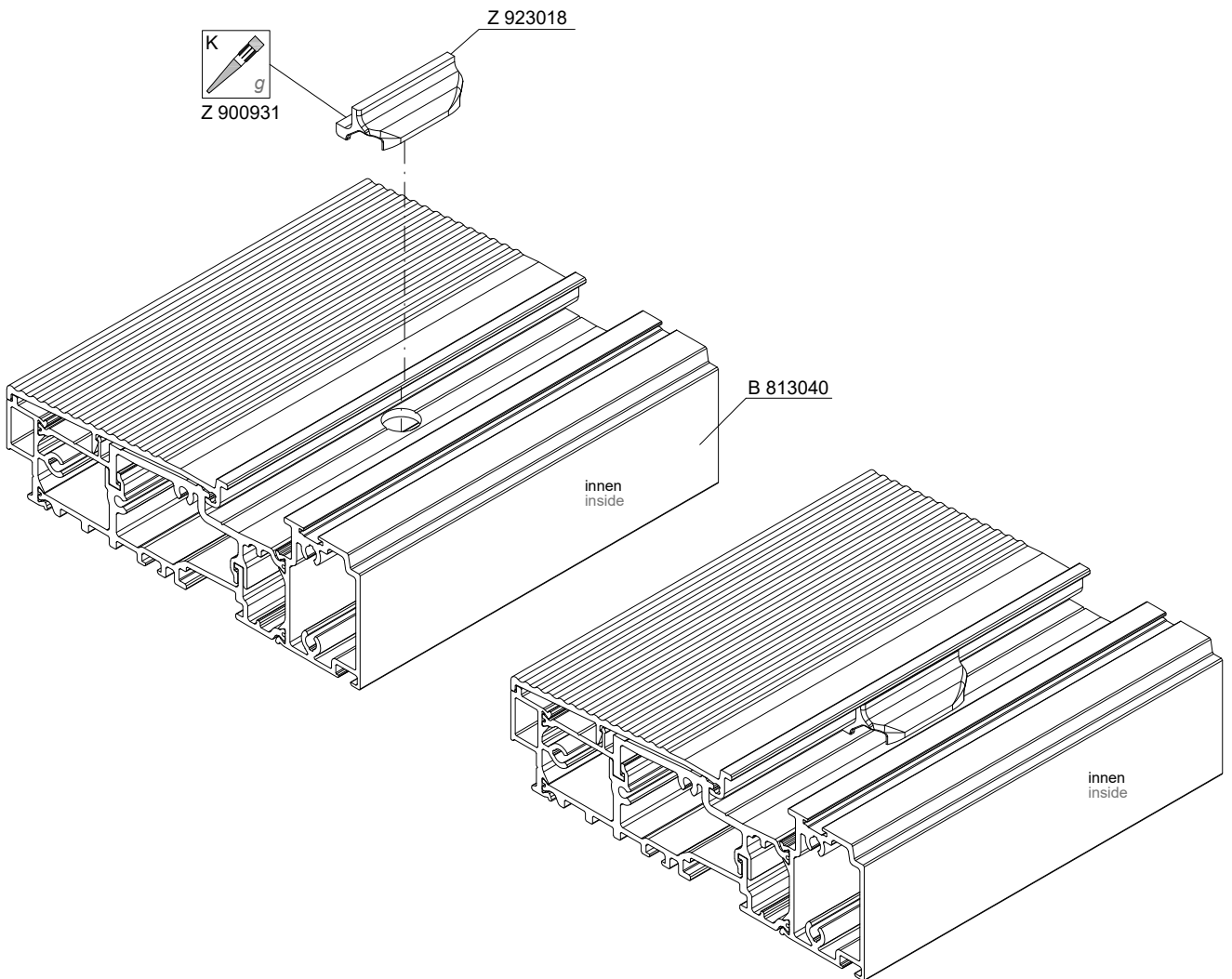
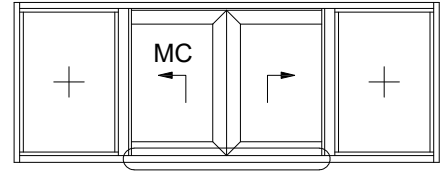
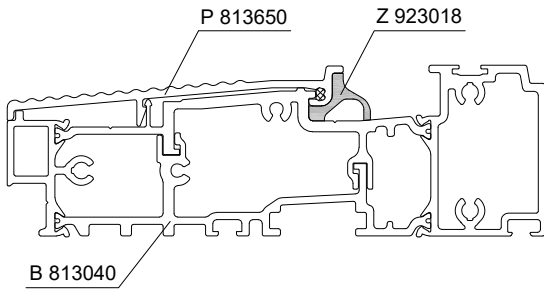
12. Stoßverbinder in B 813920 einschieben / einhängen, ausrichten und die Schrauben andrehen

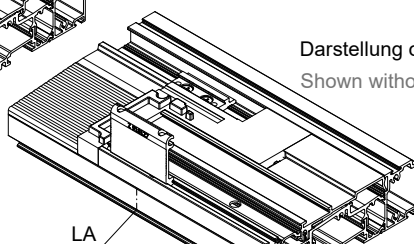
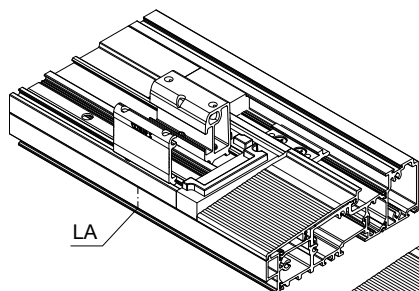
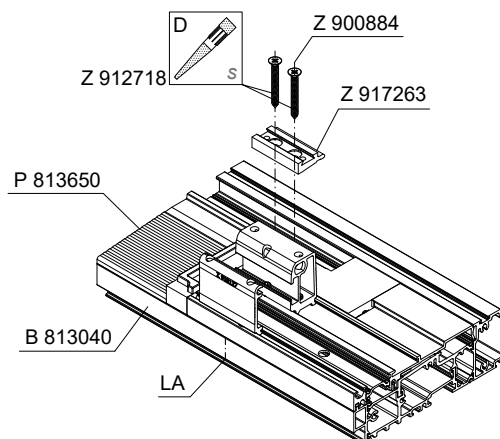
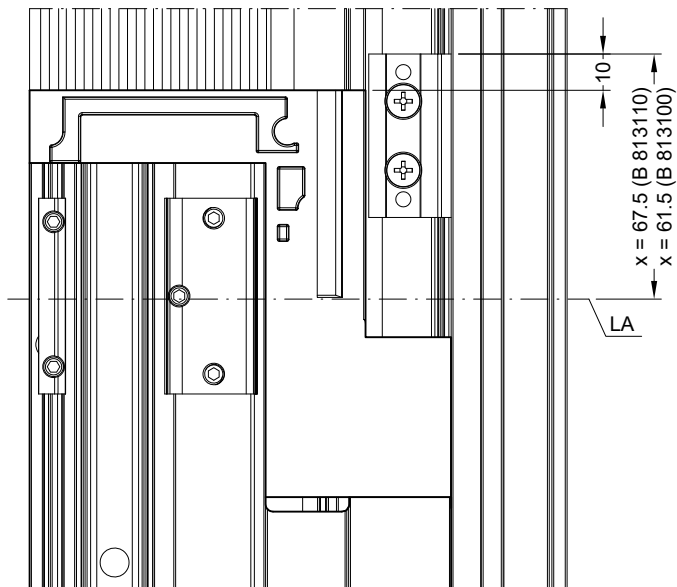
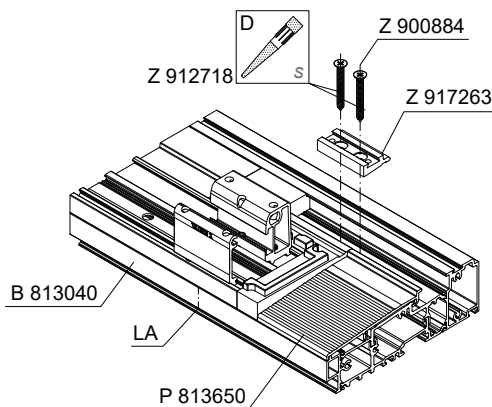
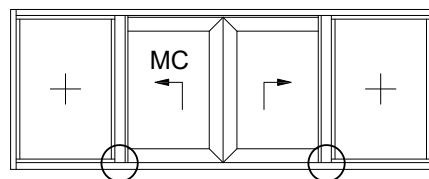
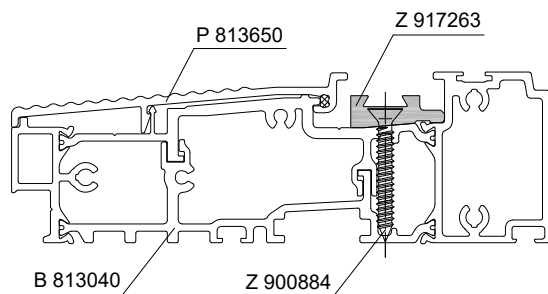
Processing steps scheme MC

12. Insert T-brackets in B 813920 and fix with screws



MONTAGE • BELÜFTUNG / ENTWÄSSERUNG
 ASSEMBLY • VENTILATION / DRAINAGE





Darstellung ohne Stoßverbinder!
 Shown without T- bracket

Bearbeitungsschritte Schema MC

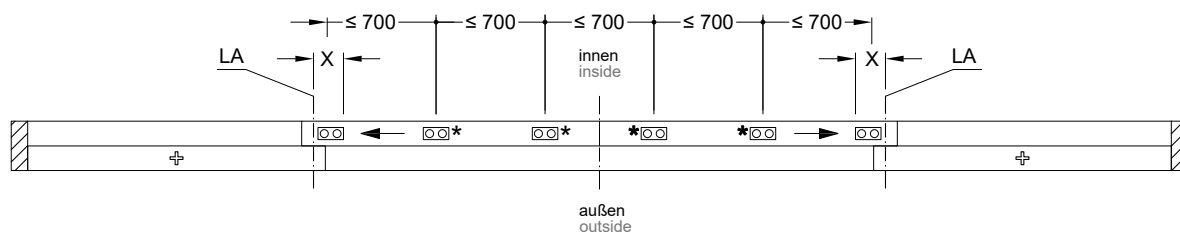
1. Unterteil Z 917263 in Blendrahmen B 813040 einsetzen
2. Mit Senkblechschrauben Z 900884 ohne vorbohren verschrauben

Processing steps scheme MC

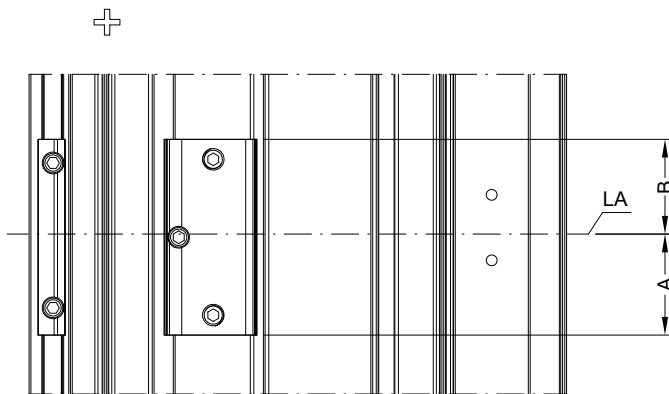
1. Insert base part Z 917263 into fixed frame B 813040
2. Fix it with countersunk self-tapping screw Z 900884 without pre-drilling

* Verwendung weiterer Zusatzverriegelungen nur bei Windlasten ab 2000 Pa erforderlich

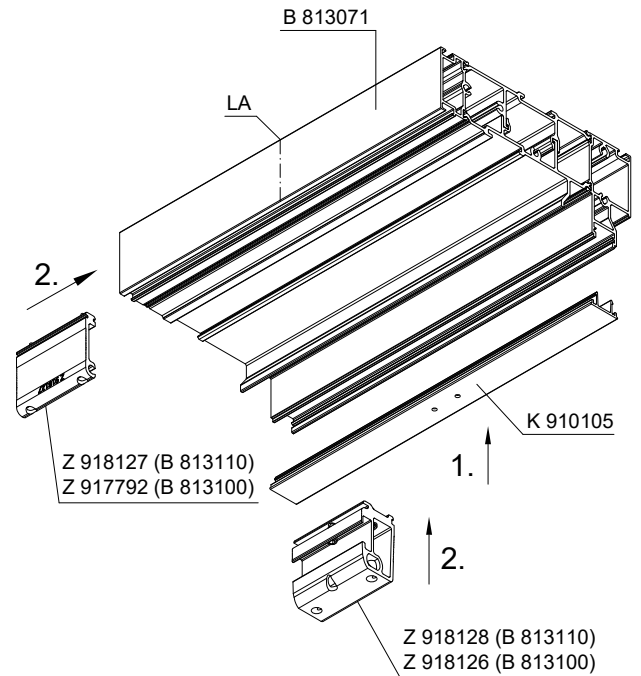
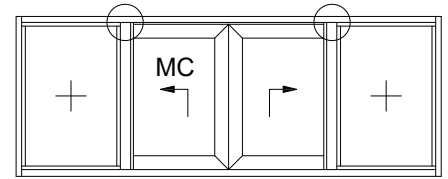
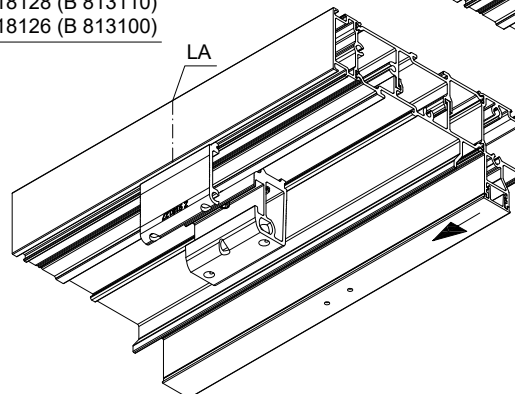
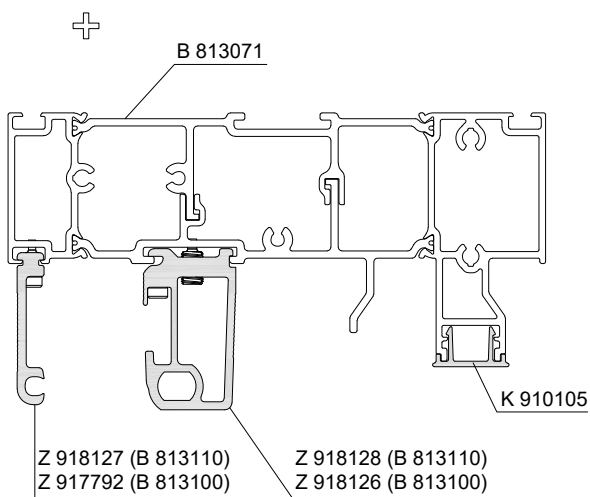
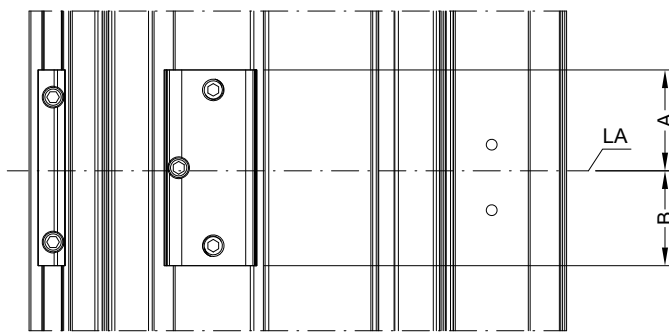
* Use of further additional locking systems only required for wind loads from 2000 Pa



RAHMENMONTAGE
FRAME ASSEMBLY



	A	B
B 813110	27.8	26.1
B 813100	21.8	20.1



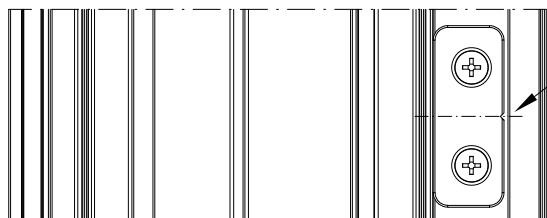
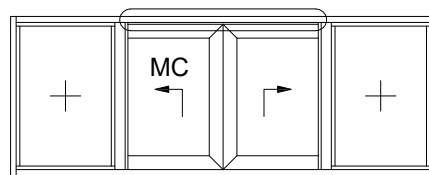
Bearbeitungsschritte Schema MC

1. Abdeckprofil K910105 auf Blendrahmen B 813071 aufklipsen
2. Stoßverbinder in Blendrahmen B 813071 einschieben / einhängen, ausrichten und die Schrauben andrehen

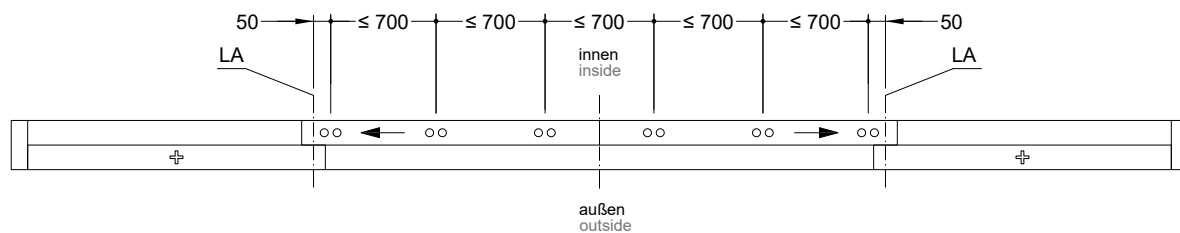
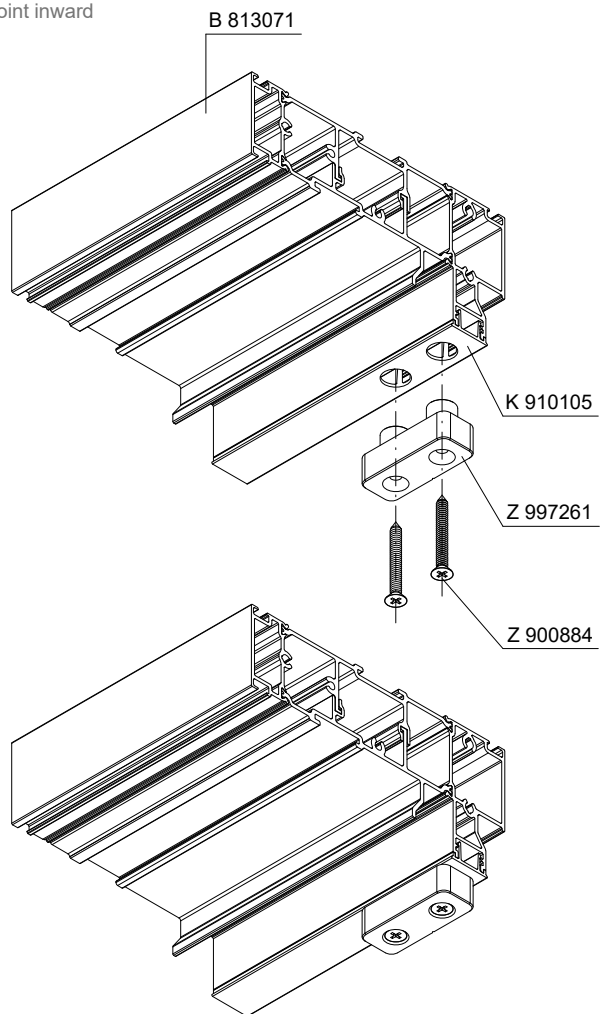
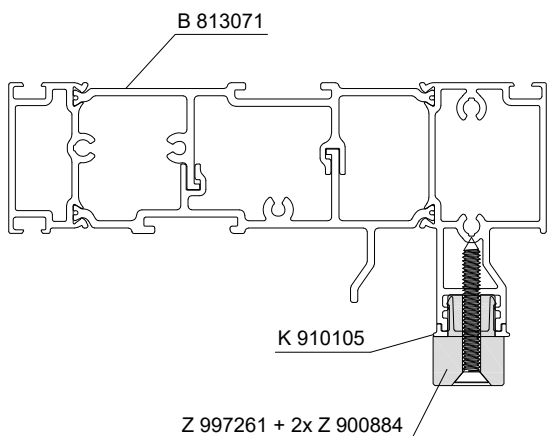
Processing steps scheme MC

1. Snap on cover profil K 910105 to fixed frame B 813071
2. Insert T-brackets in fixed frame B 813071 and fix with screws

Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



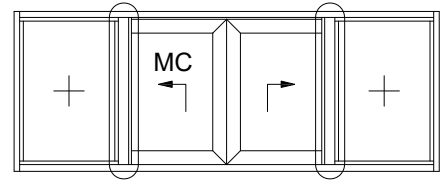
Asymmetrisches Bauteil
 Markierung muss nach
 innen zeigen
 Asymmetrical component
 Mark must point inward



RAHMENMONTAGE
FRAME ASSEMBLY

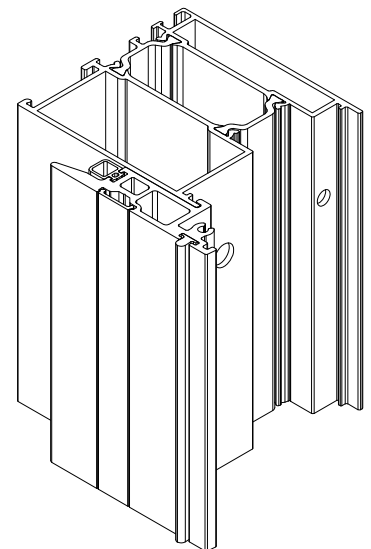
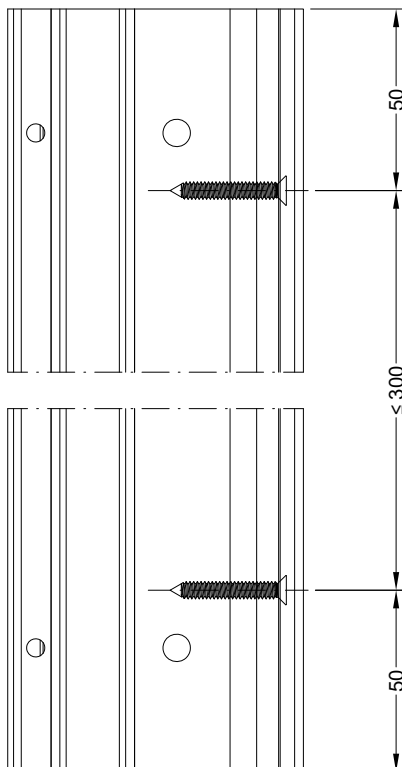
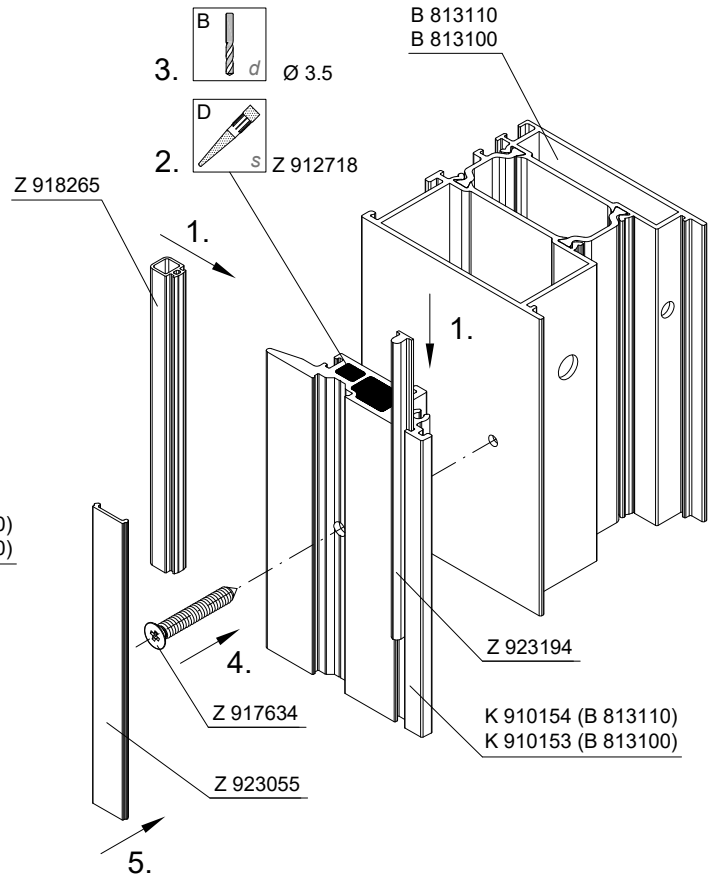
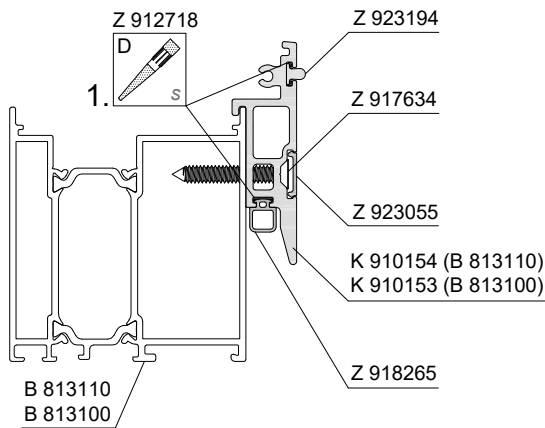
Bearbeitungsschritte Schema MC

1. Dichtungen Z 918265 und Z 923194 im Labyrinthprofil K 910154 / K 910153 eindrücken und oben und unten mit Dichtstoff fixieren
2. Labyrinthprofil stirnseitig oben mit Dichtstoff versiegeln und am Pfostenprofil B 813110 / B 813100 ausrichten
3. Durch Labyrinthprofil und Pfostenprofil $\varnothing 3,5$ mm bohren
4. Labyrinthprofil mit Schrauben Z 917634 am Pfosten verschrauben
5. Abdeckprofil Z 923055 aufdrücken

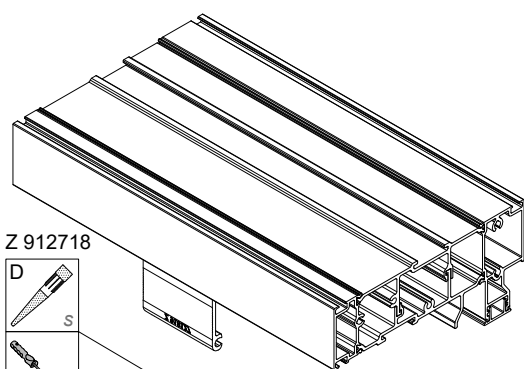


Processing steps scheme MC

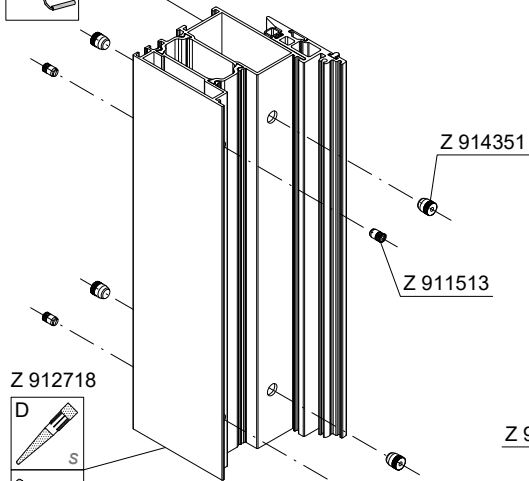
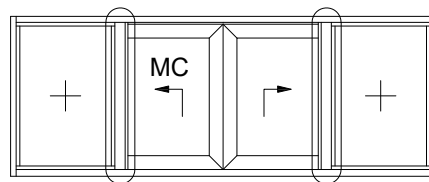
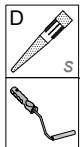
1. Insert gaskets Z 918265 and Z 923194 in labyrinth profile K 910154 / K 910153 and fix it with sealing compound at the top and bottom
2. Seal labyrinth profile on top and adjust to mullion B 813110/ B 813100
3. Drill holes through labyrinth profile and mullion with $\varnothing 3.5$ mm
4. Fix labyrinth profile with screws Z 917634 at the mullion
5. Snap on cover profile Z 923055



RAHMENMONTAGE
 FRAME ASSEMBLY

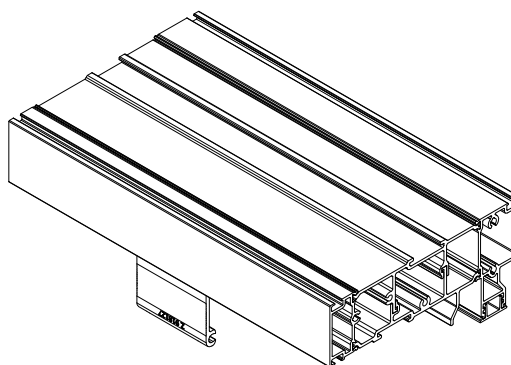


Z 912718

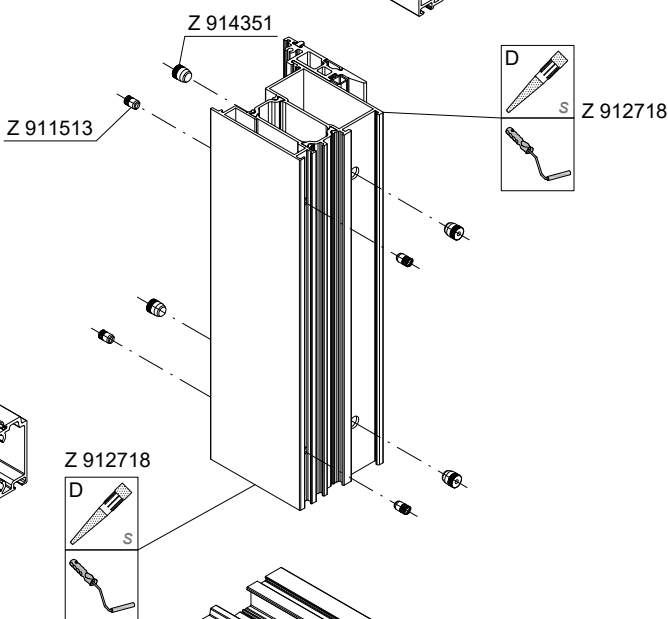


Z 914351

Z 911513



Z 912718

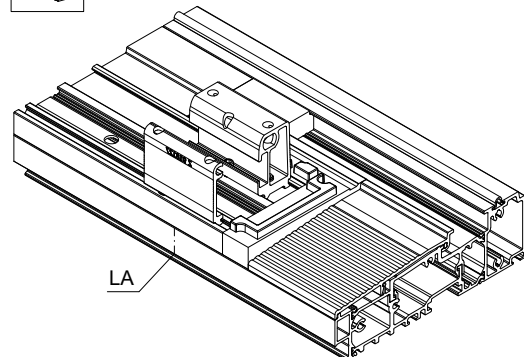


Z 914351

Z 911513

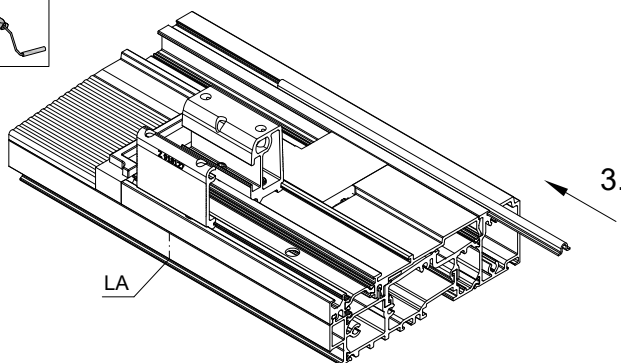
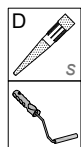


Z 912718



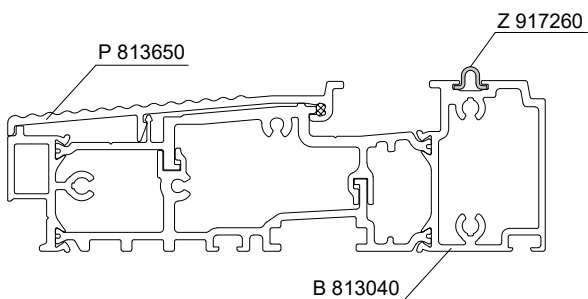
LA

Z 912718



LA

3.



P 813650

Z 91260

B 813040

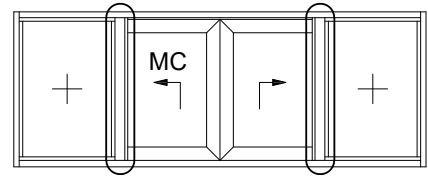
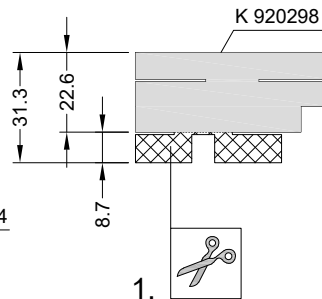
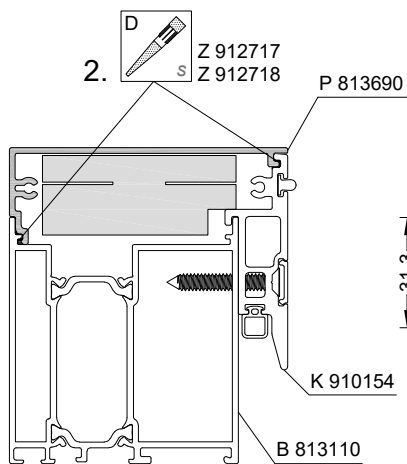
Bearbeitungsschritte Schema MC

1. Dichtstoff auf die Schnittflächen vom Pfosten und Labyrinth auftragen
2. Pfosten einsetzen und verfesten
3. Laufschiene Z 91260 einschieben

Processing steps scheme MC

1. Apply sealing compound to the cut surface of mullion and labyrinth
2. Insert mullion and fix with pins
3. Slide in the rail Z 91260

RAHMENMONTAGE
 FRAME ASSEMBLY

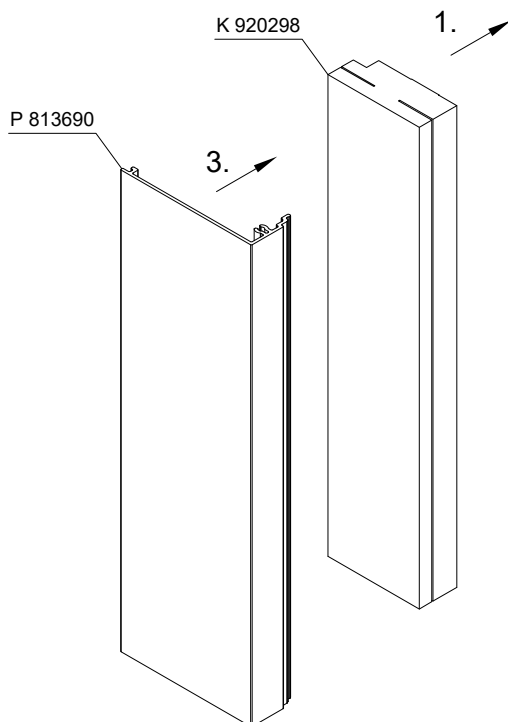
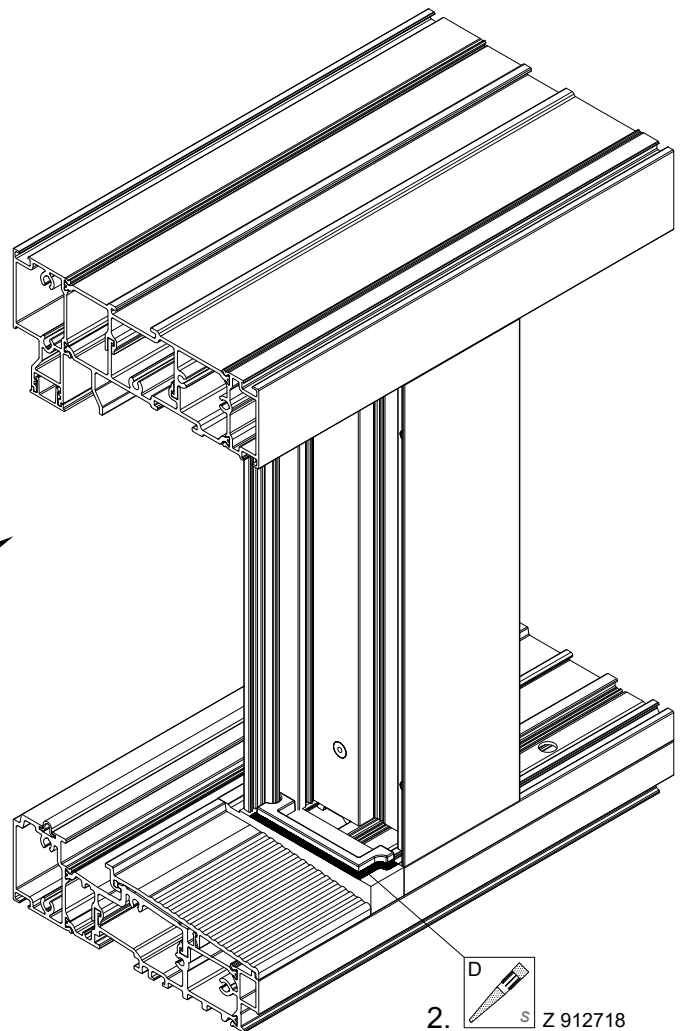


Bearbeitungsschritte Schema MC

1. Dämmkern K 920298 auf Länge schneiden (L= Pfostenlänge - 35 mm), an vorhandener Kerbe abtrennen und im Pfosten platzieren
2. Dichtstoff auftragen
3. Abdeckprofil P 813690 aufklipsen

Processing steps scheme MC

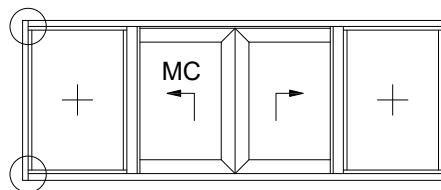
1. Cut the insulating core K 920298 (L= mullion length - 35 mm), cut at the notch and place it to the mullion
2. Apply sealing compound
3. clip on cover profil P 813690



RAHMENMONTAGE
 FRAME ASSEMBLY

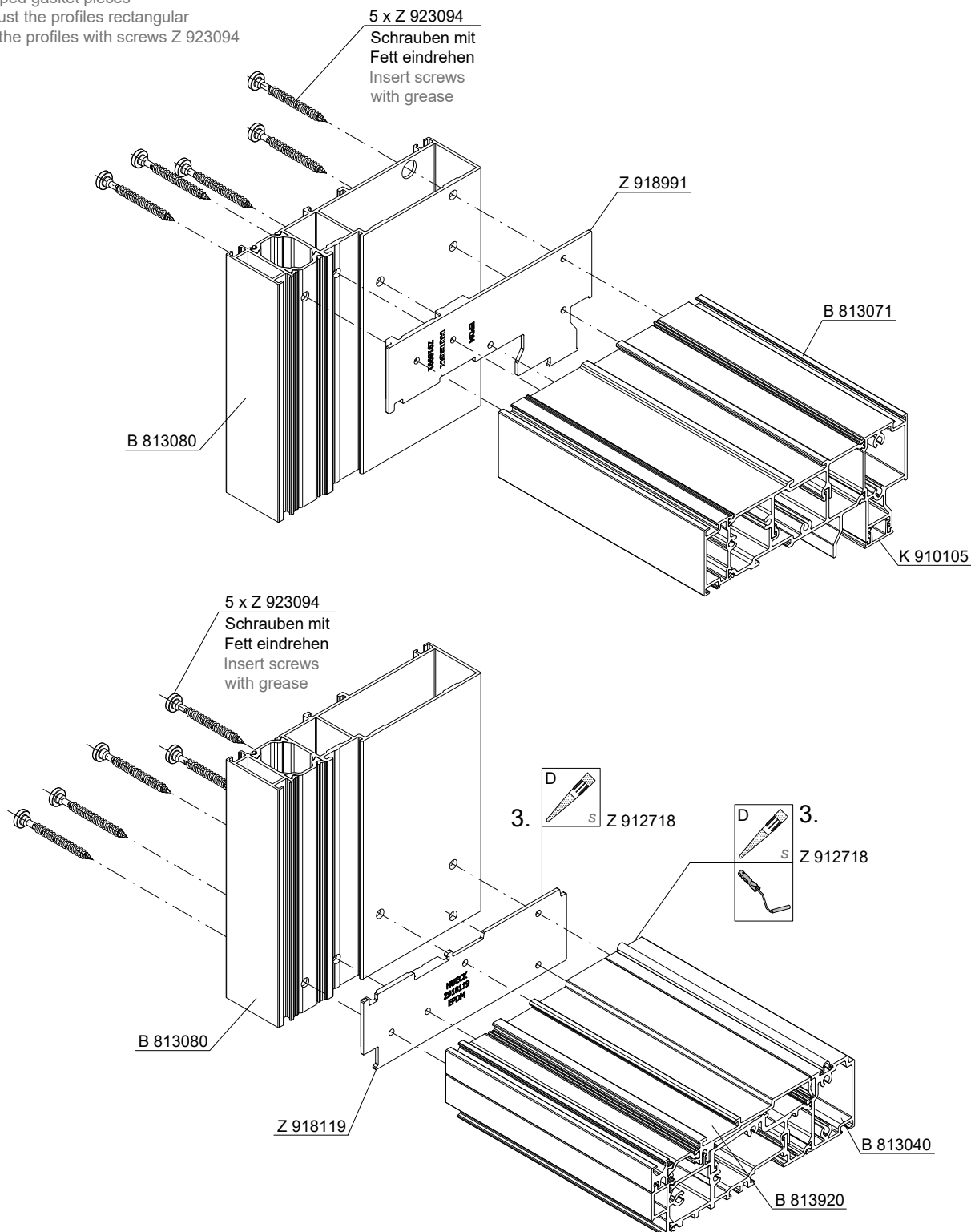
Bearbeitungsschritte Schema MC

1. Isolier- Einschiebling in Rahmenprofil
 B 813080 einschieben (optional)
2. Dichtstoff auf gesamte Flächen der Dichtformteile
 und Blendrahmen aufbringen und Dichtformteile
 einlegen
3. Profile rechtwinklig ausrichten
4. Profile mit Schrauben Z 923094 verschrauben

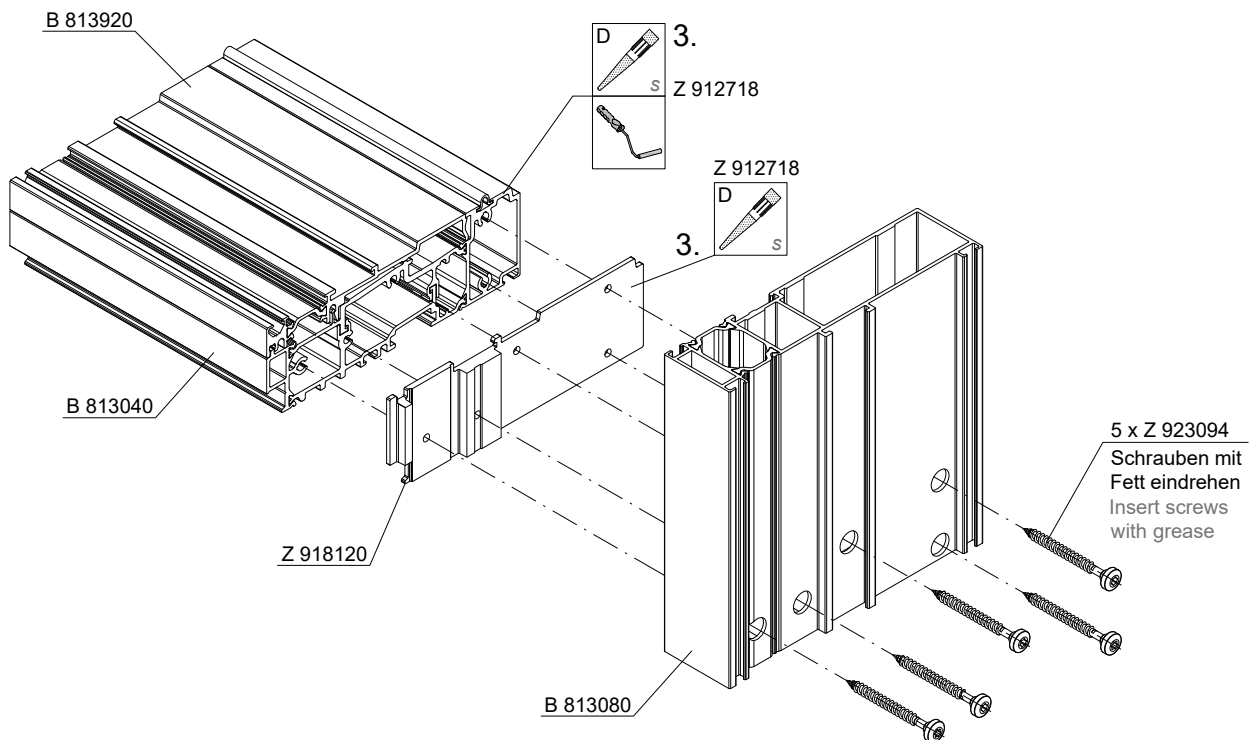
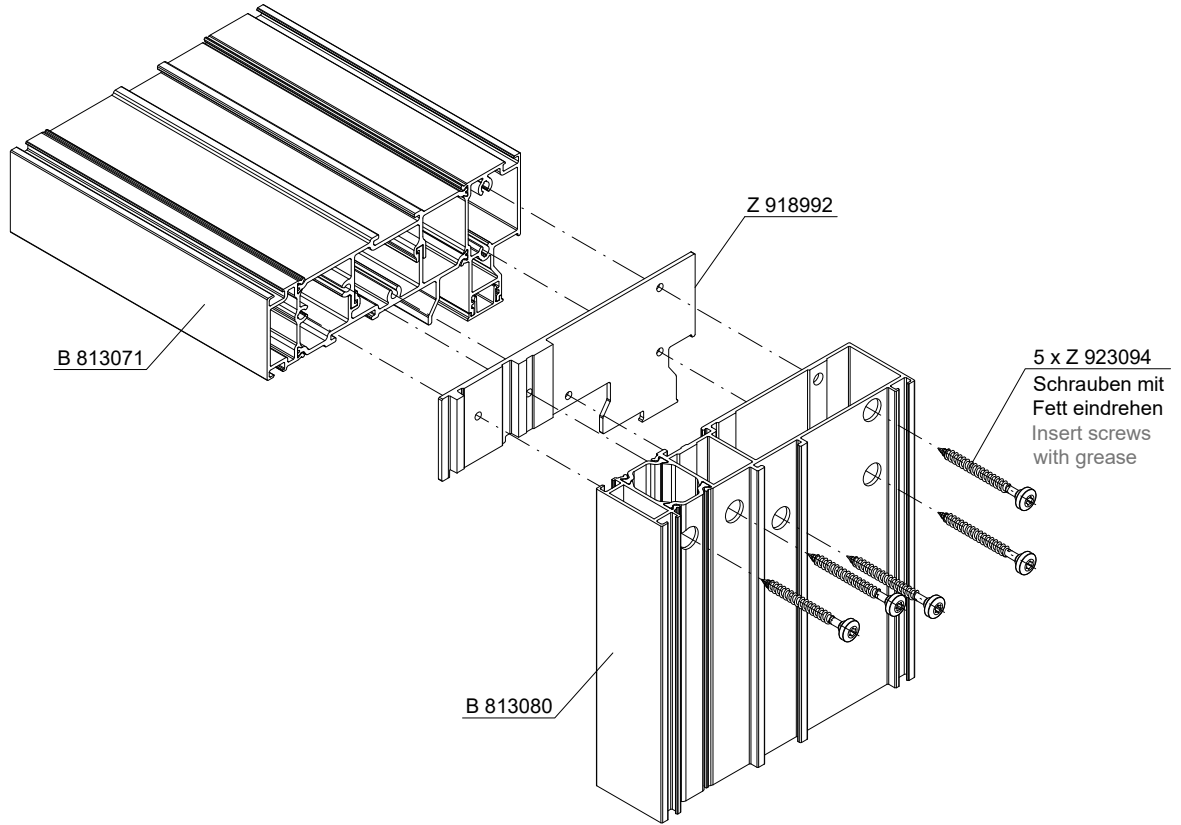
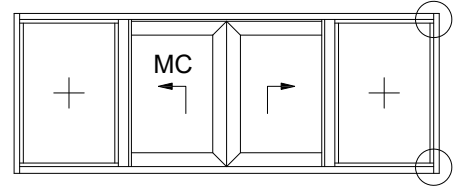


Processing steps scheme MC

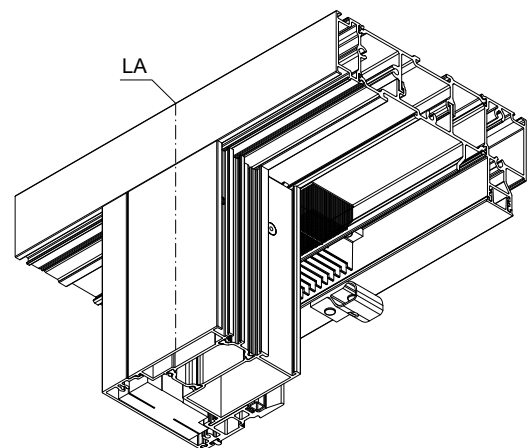
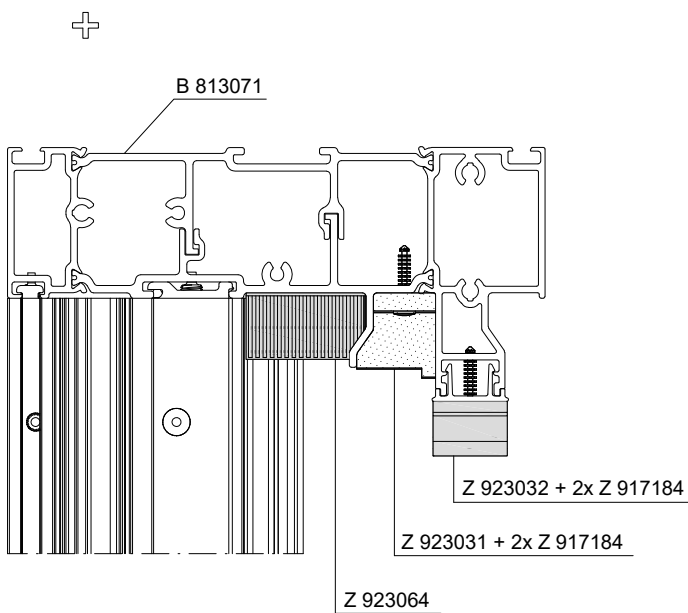
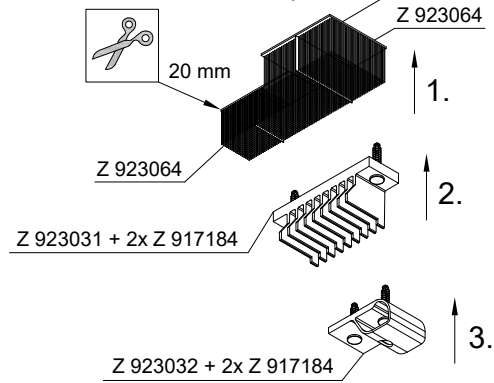
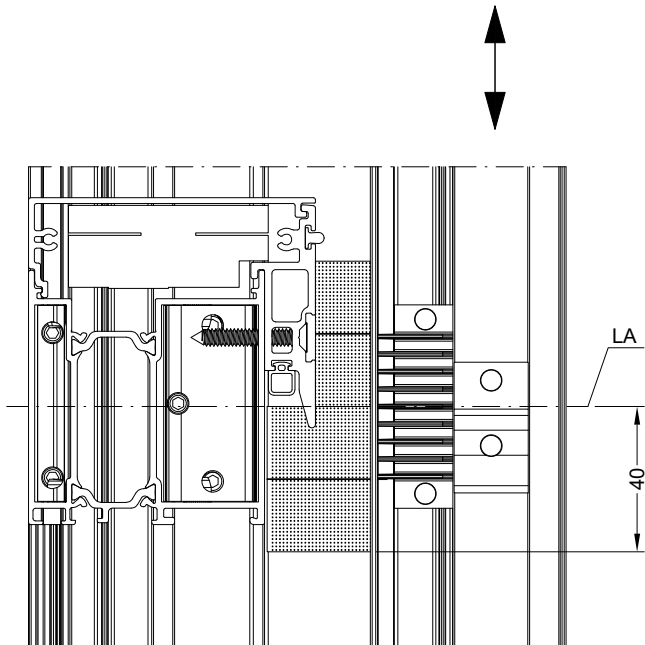
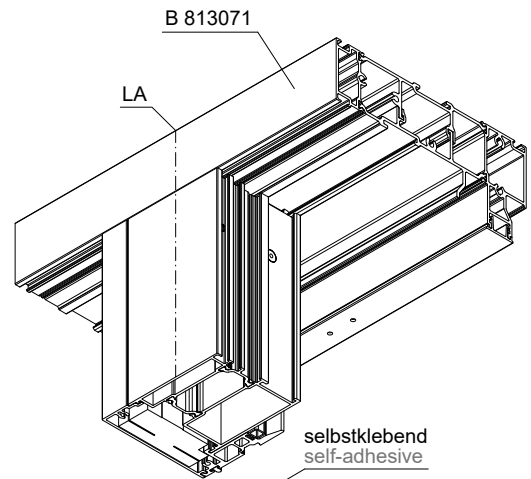
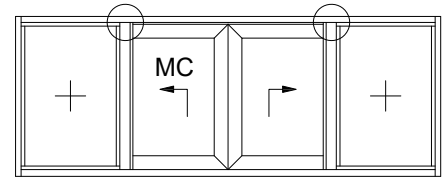
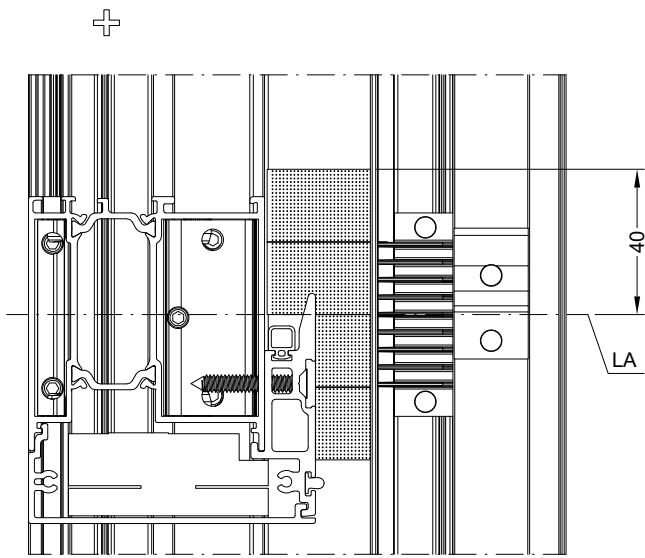
1. Insert insulating connecting sleeve into fixed
 frame B 813080 (optionally)
2. Apply sealing compound on the shaped gasket
 piece and fixed frame and assemble the
 shaped gasket pieces
3. Adjust the profiles rectangular
4. Fix the profiles with screws Z 923094



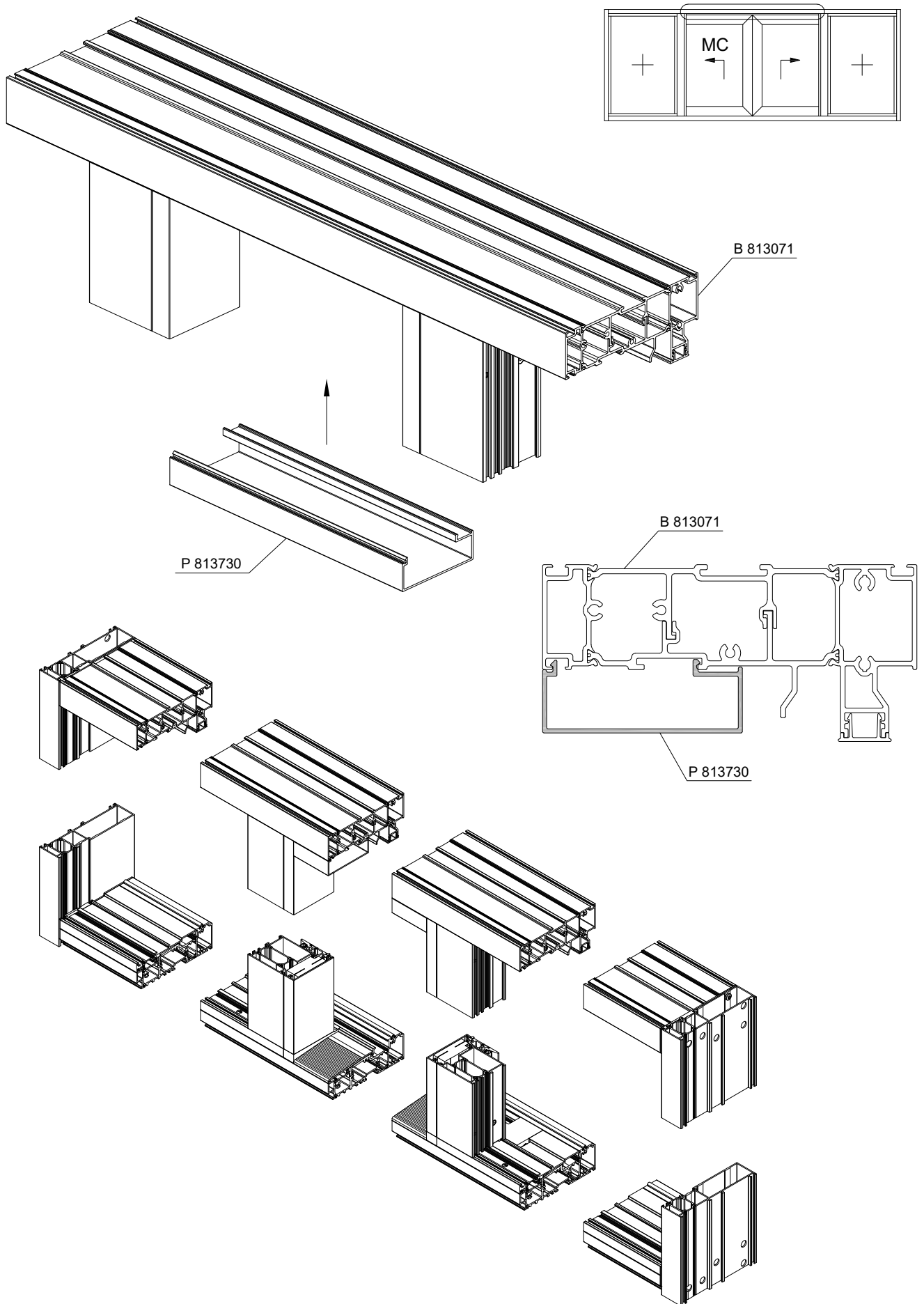
RAHMENMONTAGE
 FRAME ASSEMBLY



MONTAGE • DICHTFORMTEIL
 ASSEMBLY • SHAPED GASKET PIECE



RAHMENMONTAGE
FRAME ASSEMBLY



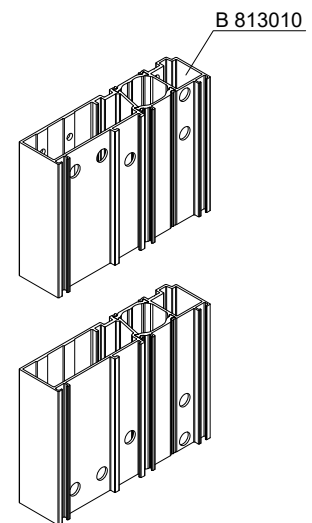
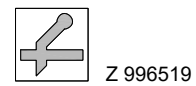
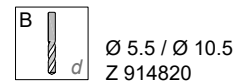
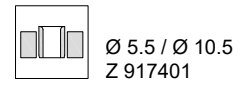
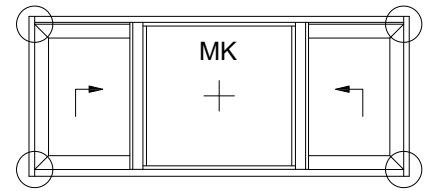
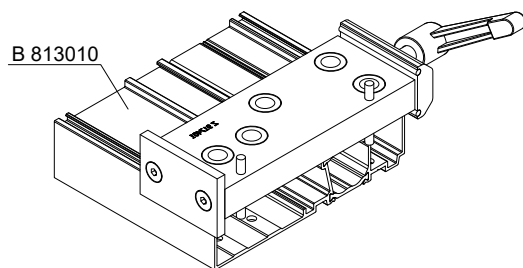
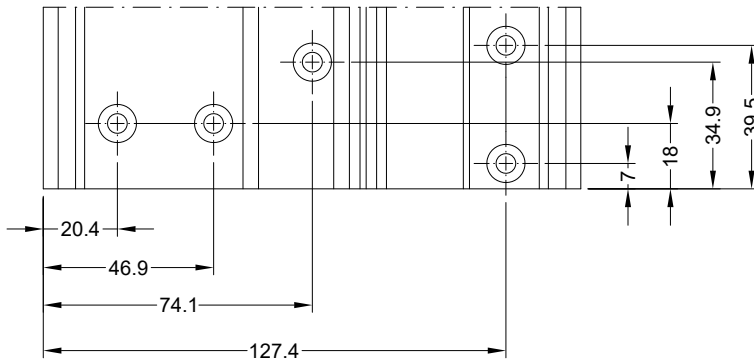
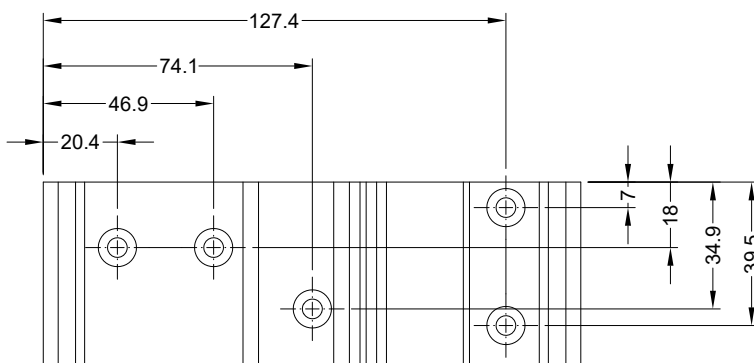
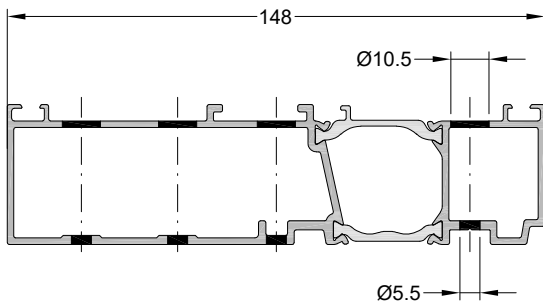
ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME

BLENDRAHMEN
FIXED FRAME

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
MK		<p>Monorail mit 3 Feldern Schiebeflügel links und rechts Festfeld mittig Primärer Flügel nach links und rechts öffnend</p> <p>Monorail with 3 fields Sliding sashes left and right Fixed field in the middle Primary sash sliding to the left and right</p>

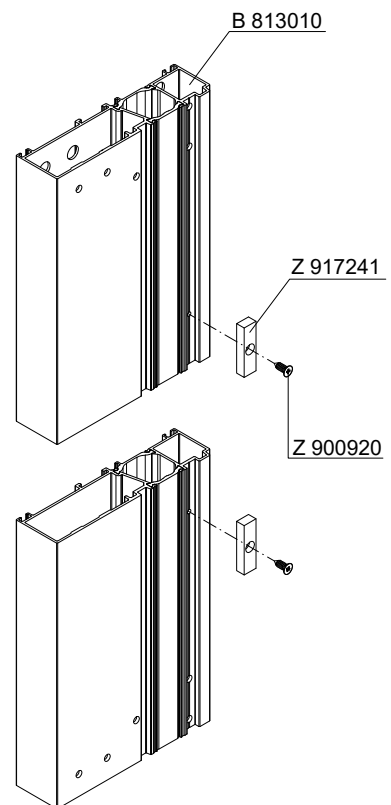
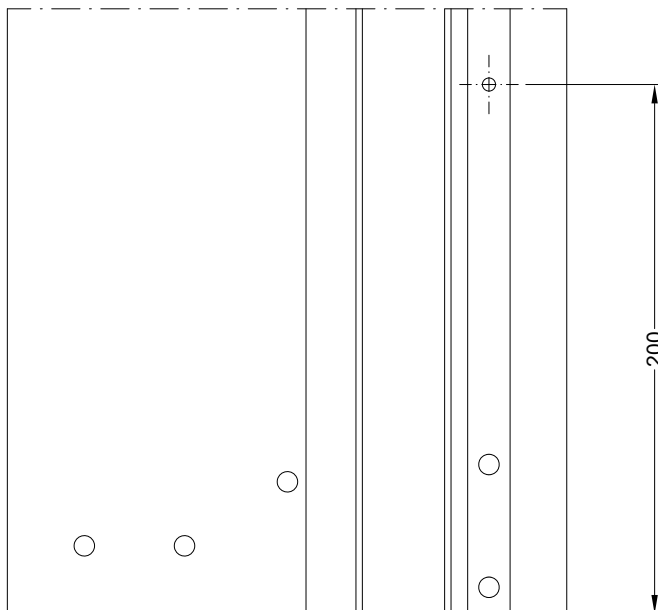
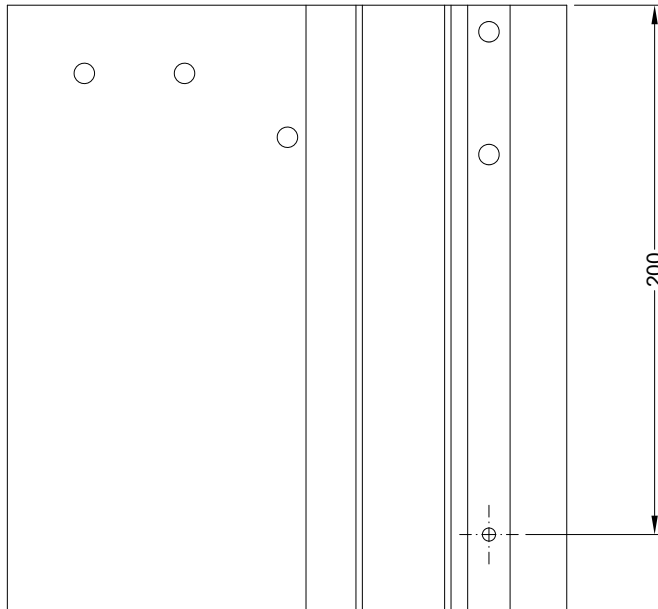
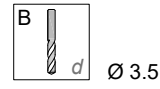
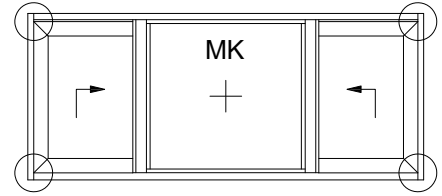
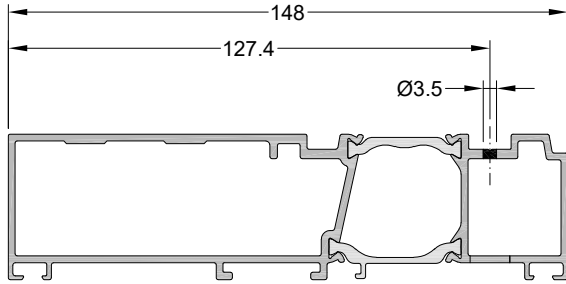
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity				
Z 997662		Z 900920	4		Z 917184	8		
		Z 923094	20					
		Z 918990	1		Z 923030	4		
		Z 918989	1		Z 917634	50		
		Z 917222	1		Z 918345	4		
		Z 917223	1		Z 918493	2		
		Z 917253	2		Z 918494	2		
		Z 923018	4		Z 923064	4		
		Z 923031	2		Z 917241	2		
		Z 923032	2					

B 813010

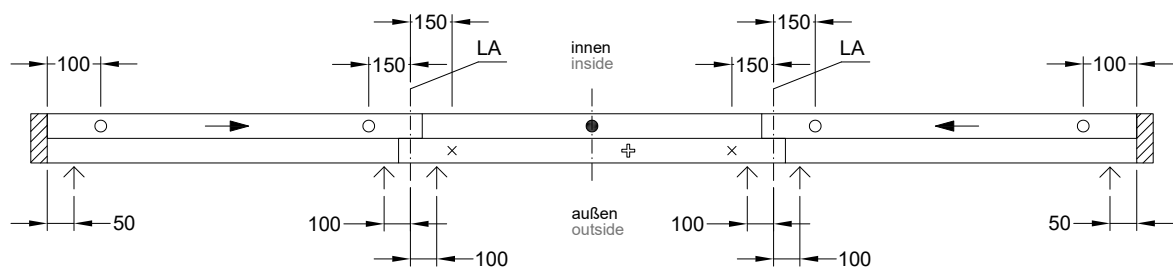
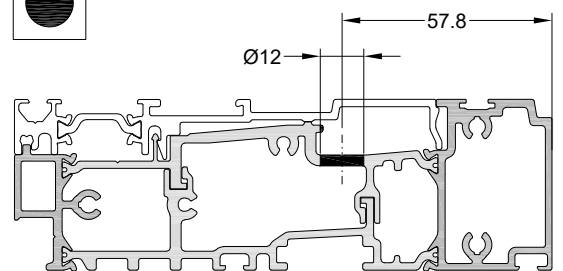
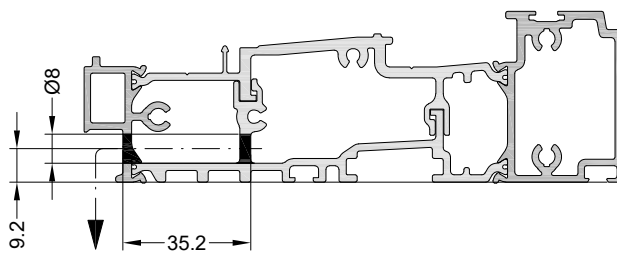
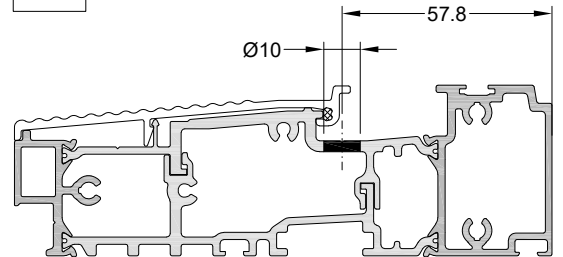
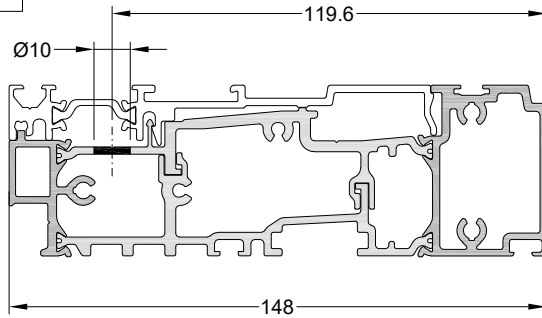
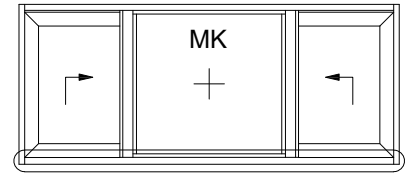
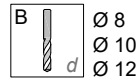


ANSCHLAGPUFFER
STOP BUFFER

B 813010



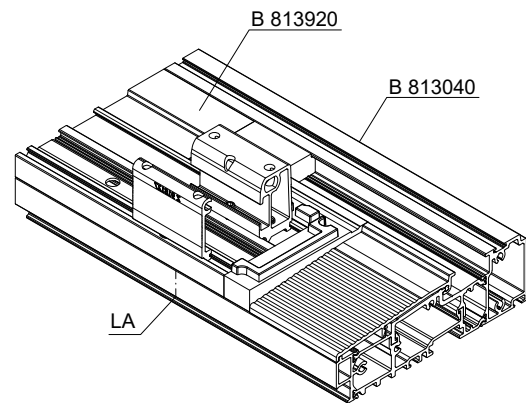
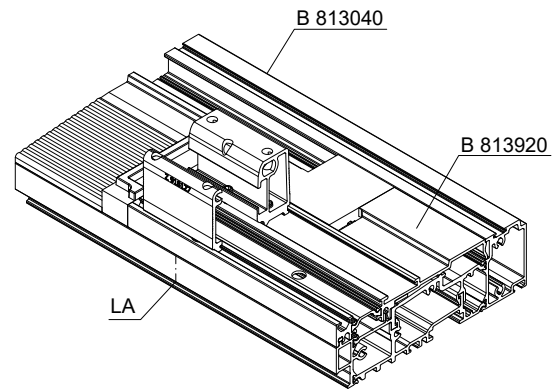
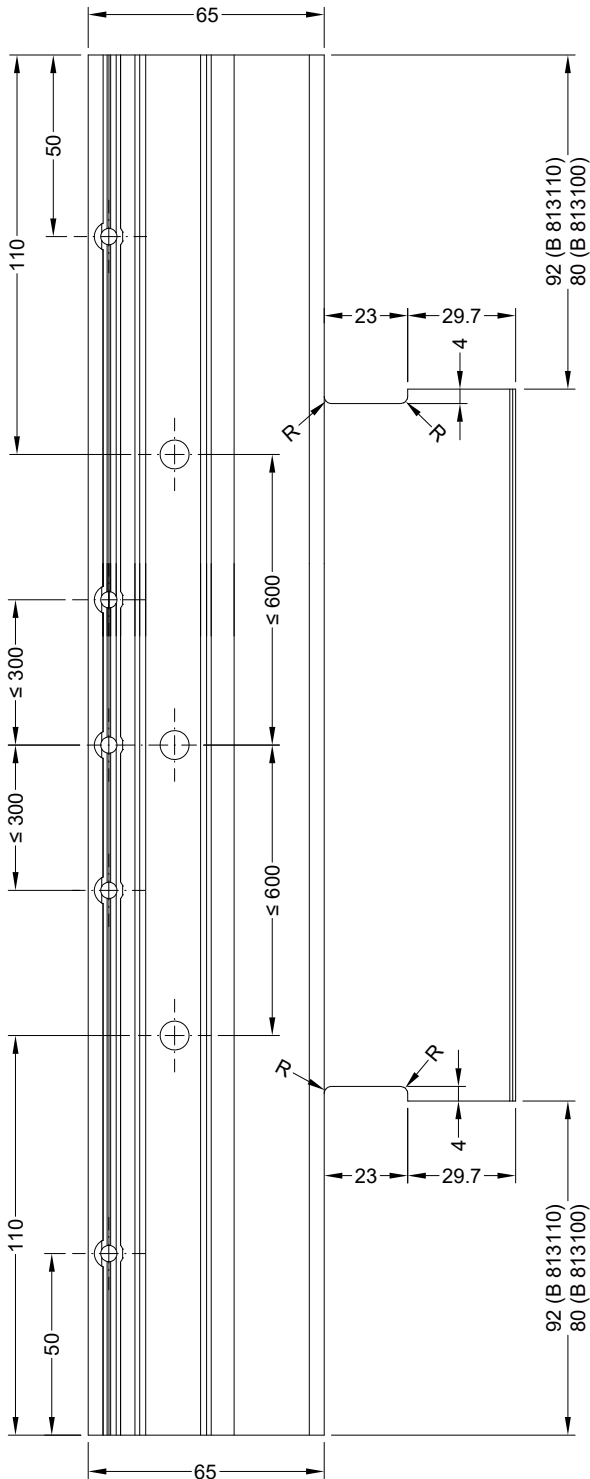
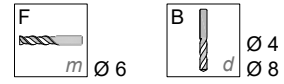
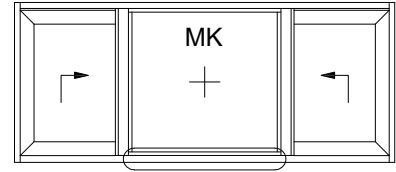
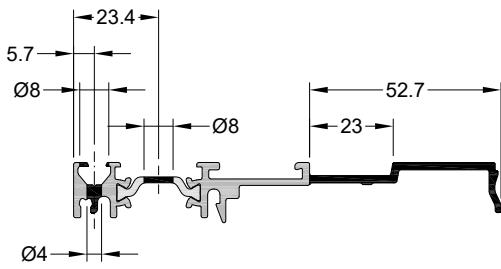
B 813040



- × Bohrung \varnothing 10
- Bohrung \varnothing 10
- ↑ Bohrung \varnothing 8
- Bohrung \varnothing 12 für Kugelventil

- × drill hole \varnothing 10
- drill hole \varnothing 10
- ↑ drill hole \varnothing 8
- drill hole \varnothing 12 for ball valve

B 813920



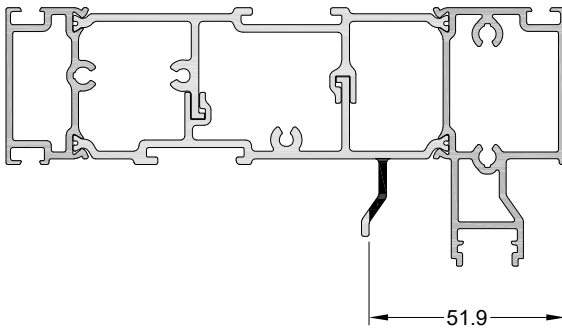
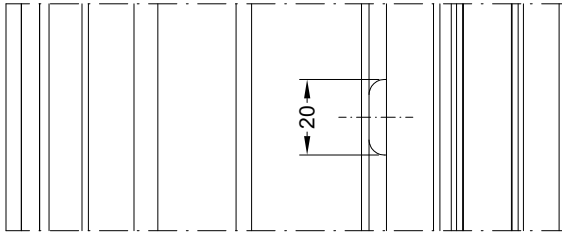
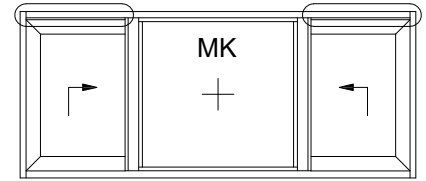
B 813071



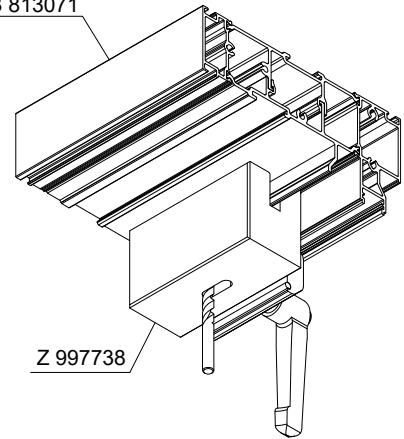
Z 997738



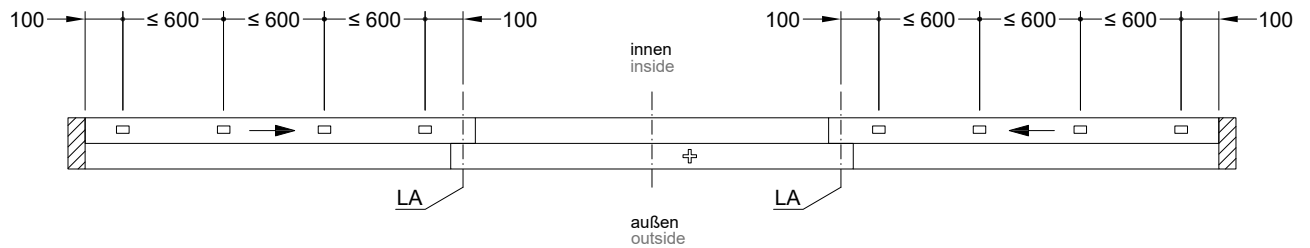
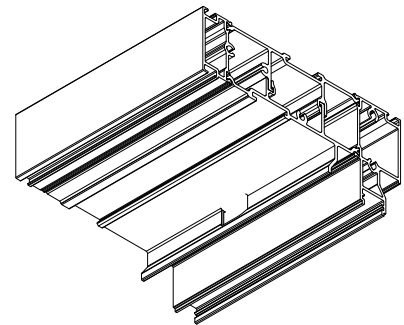
Ø 6



B 813071



Z 997738

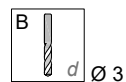
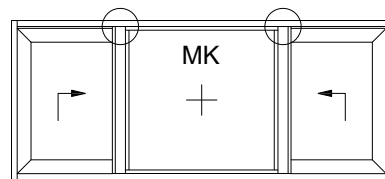


□ Fräsung Ø6

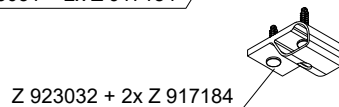
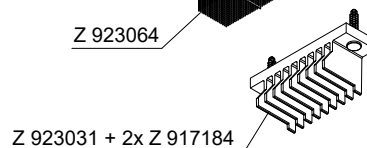
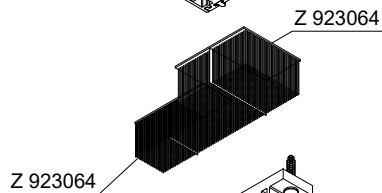
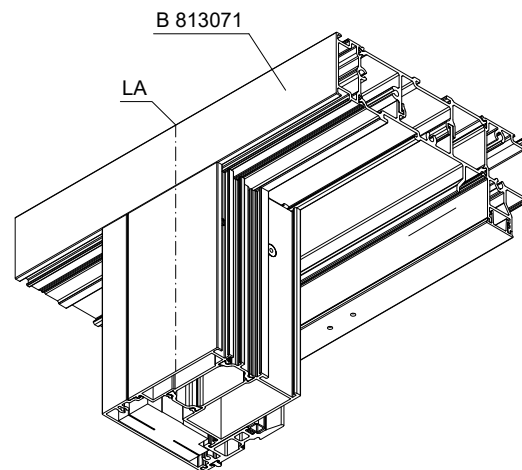
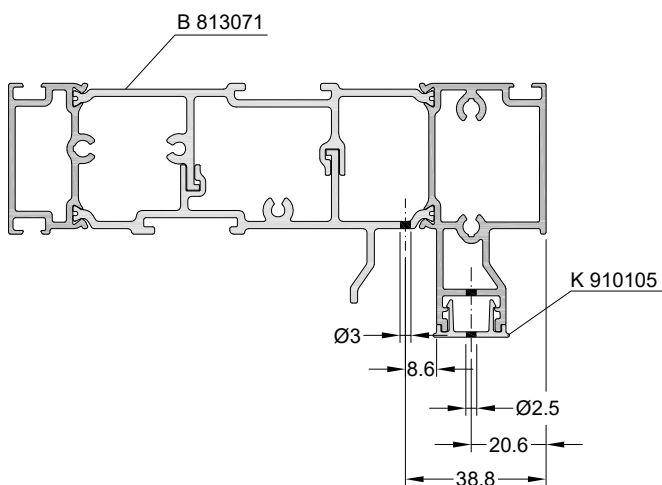
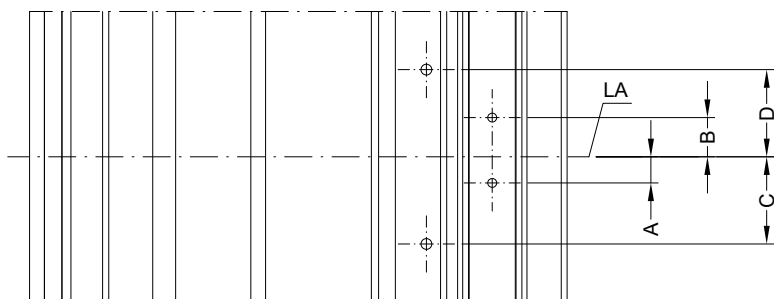
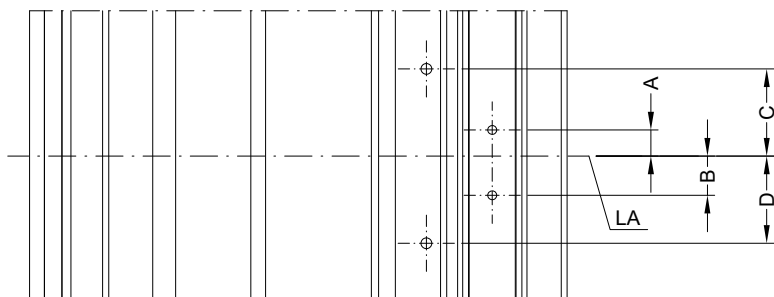
□ milling Ø6

DICHTFORMTEIL
 SHAPED GASKET PIECE

B 813071 + K 910105

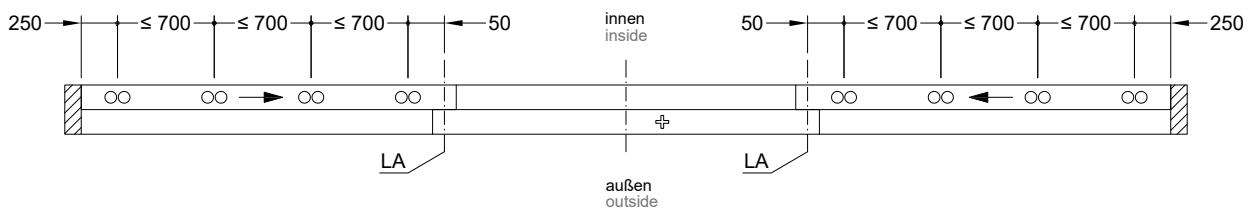
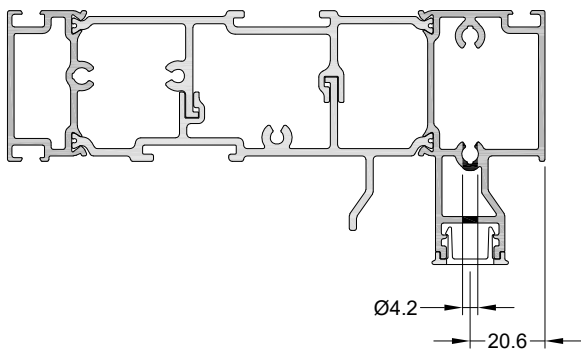
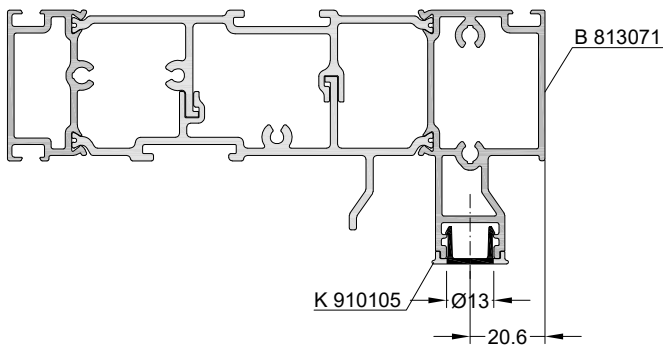
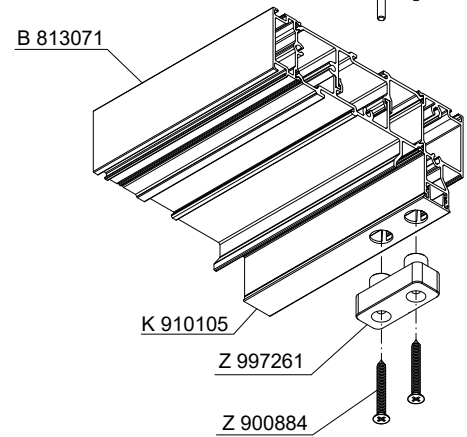
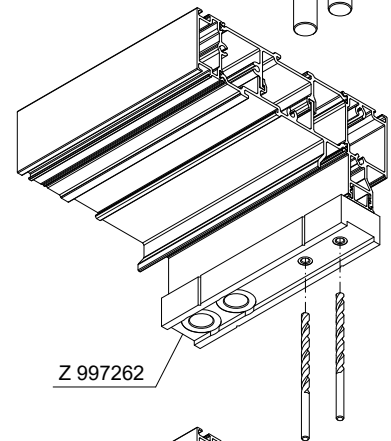
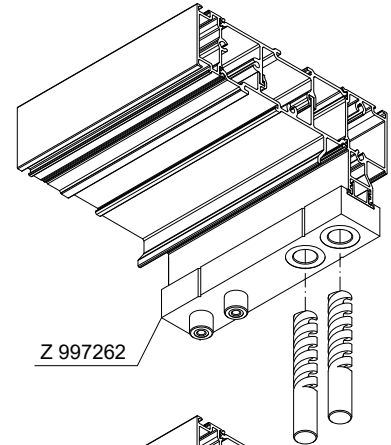
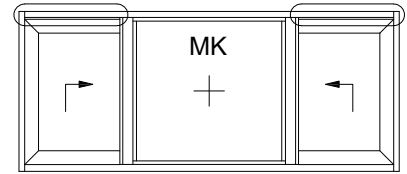
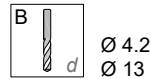
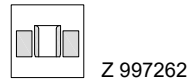
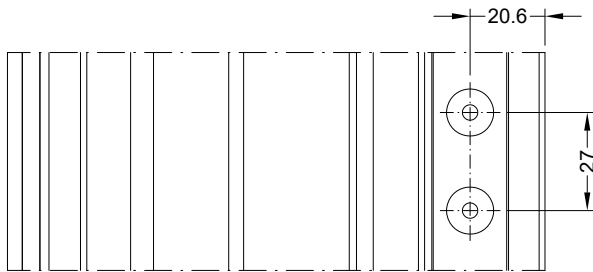


	A	B	C	D
B 813110	7	11	24	24
B 813100	1	5	30	18



Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa

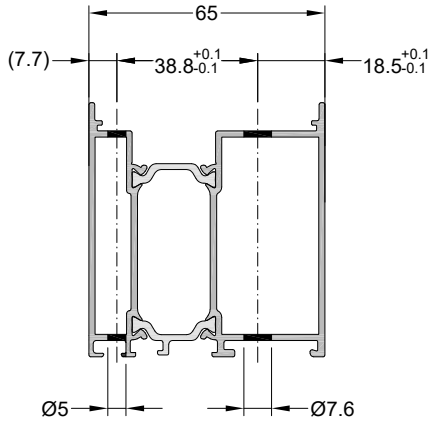
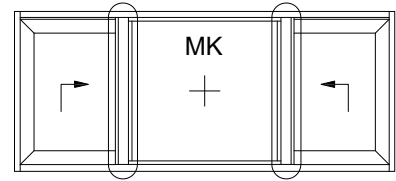
B 813071 + K 910105



∞ Bohrung Ø13 / Ø4.3 ∞ drill hole Ø13 / Ø4.3

STOSSVERBINDER
 T-BRACKET

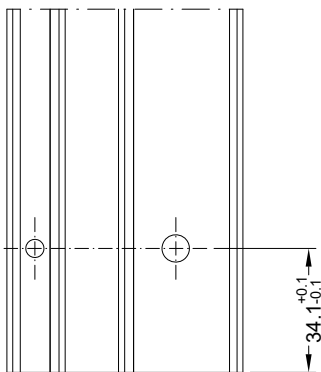
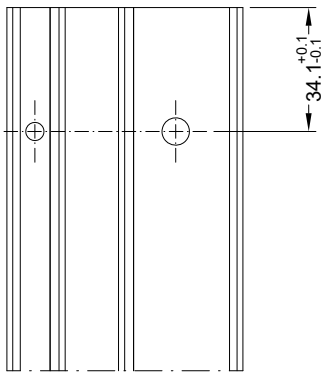
B 813110 / B 813100



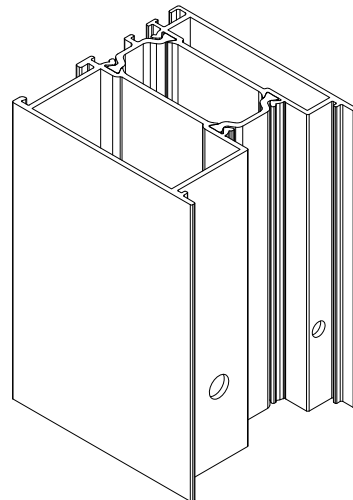
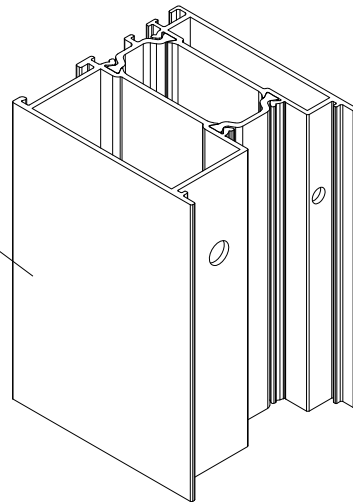
Ø 5 / Ø 7.6
 Z 914709

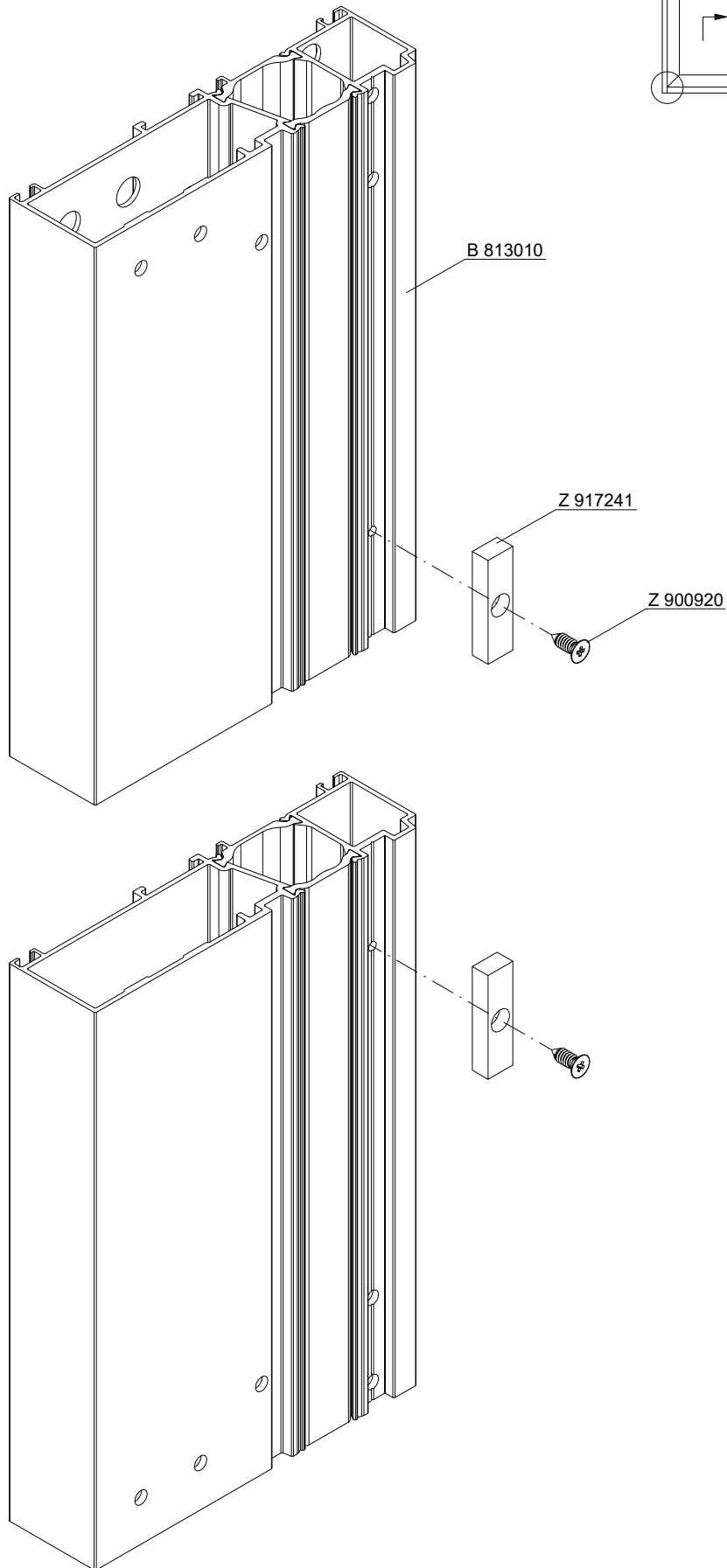


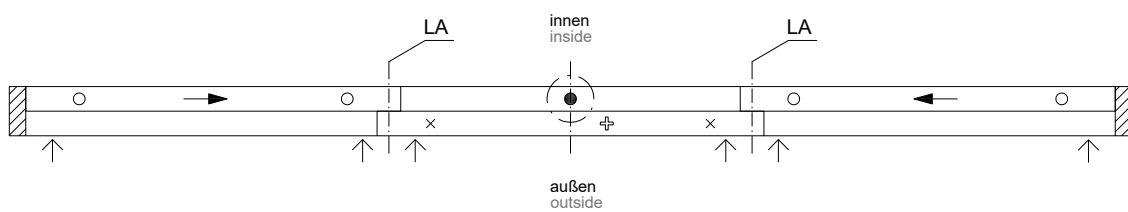
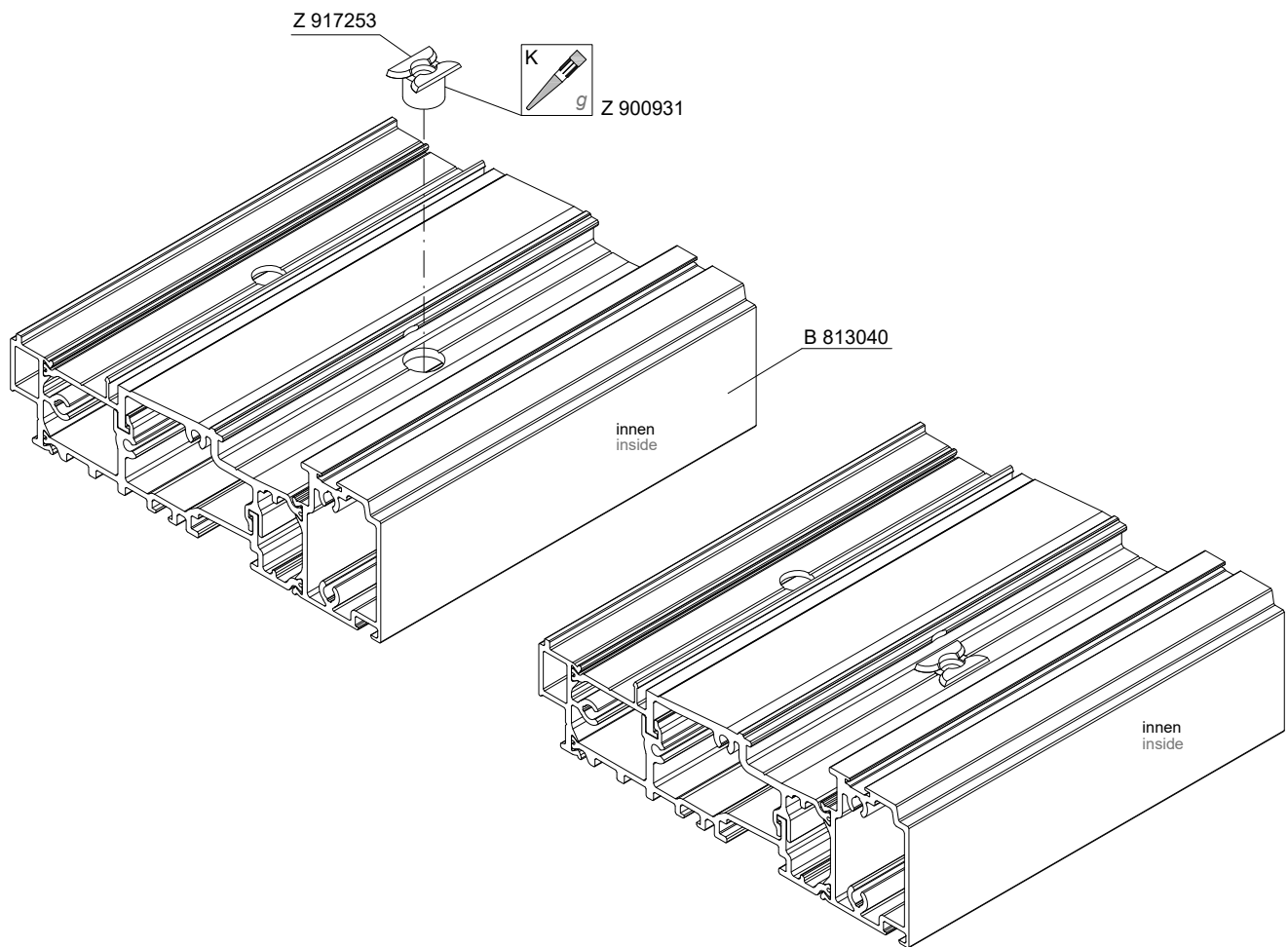
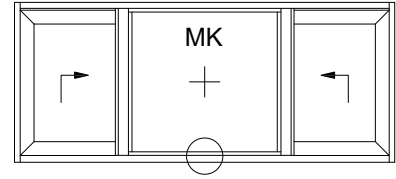
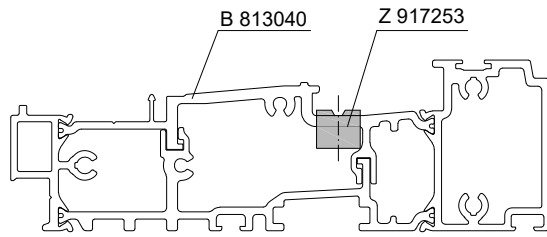
Ø 5
 Ø 7.6

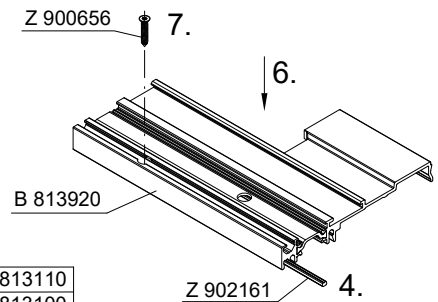
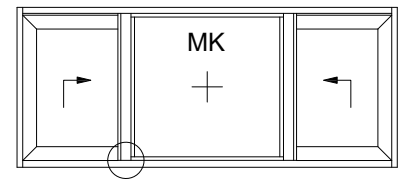
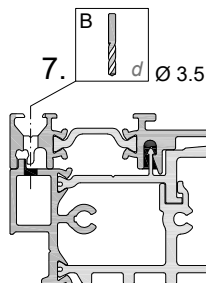
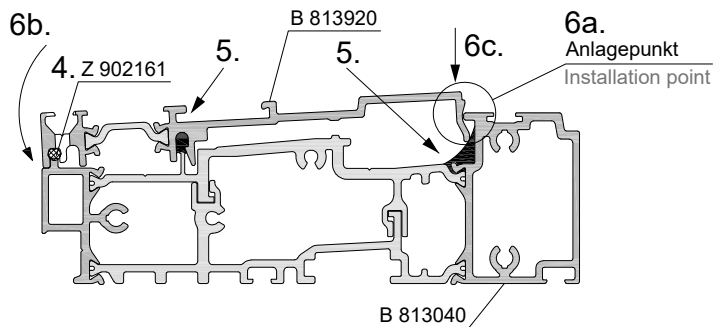
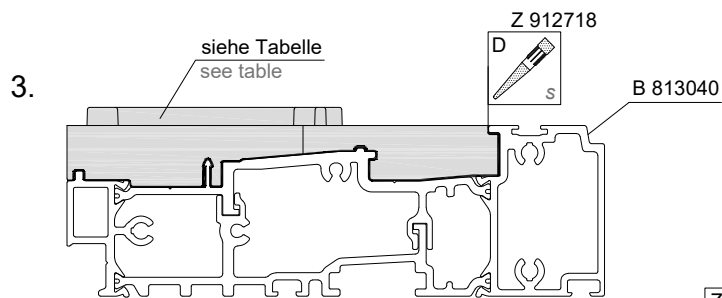
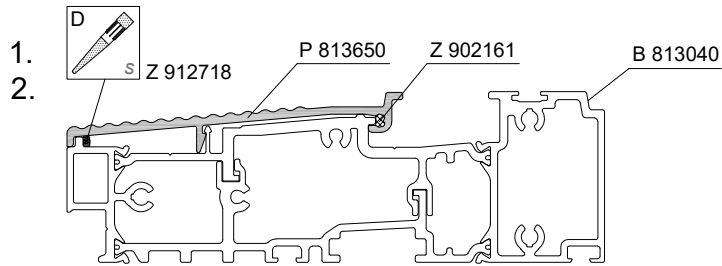


B 813110
 B 813100

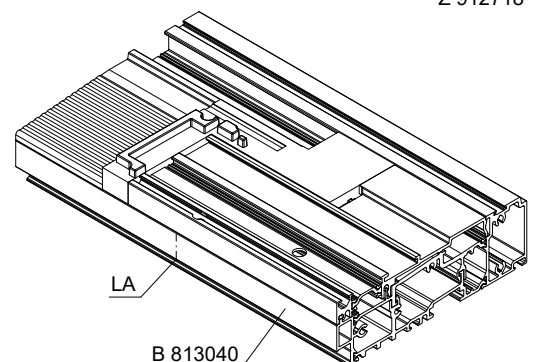
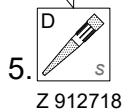
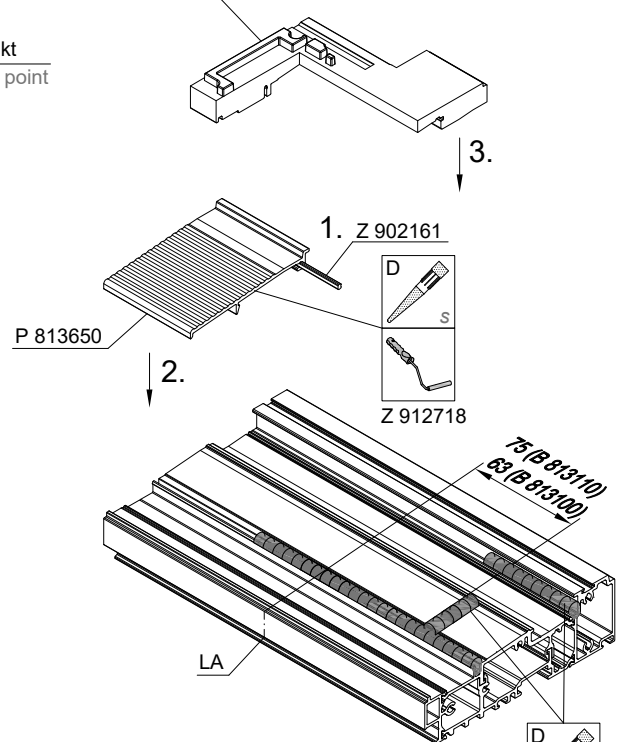








Z 918845	B 813110
Z 918997	B 813100

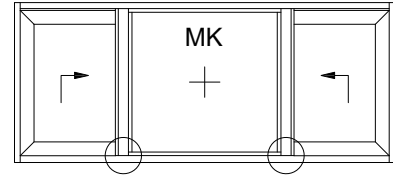
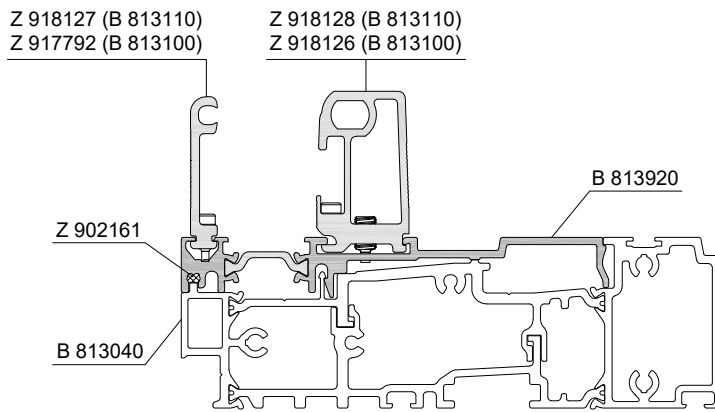


Bearbeitungsschritte Schema MK

1. Dichtungsgrundschnur Z 902161 in P 813650 eindrücken
2. Dichtstoff auf Blendrahmen B 813040 und Profil P 813650 aufbringen und P 813650 von außen gesehen links bündig einklippen
3. Dichtungsformteil (siehe Tabelle) mit Dichtstoff Z 912718 bündig zu P 813650 einsetzen
4. Dichtungsgrundschnur Z 902161 in B 813920 eindrücken
5. Dichtstoff auf Blendrahmen B 813040 und Profil B 813920 aufbringen
6. a) B 813920 von außen gesehen rechts bündig und am Anlagepunkt anlegen / b) eindrehen / c) andrücken
7. Profil B 813040 mit $\varnothing 3.5$ mm bohren und mit Profil B 813920 und Schrauben Z 900656 verbinden

Processing steps scheme MK

1. Insert gasket cord Z 902161 in profile P 813650
2. Apply sealing compound to fixed frame B 813040 and profile P 813650 and snap on P 813650 flush on the left side to B 813040 (seen from the outside)
3. Fix the shaped gasket piece (see table) with sealing compound flush to profile B 813650
4. Insert gasket cord Z 902161 in profile B 813920
5. Apply sealing compound on profile B 813040 and B 813920
6. a) Place B 813920 right flush, in contact with the installation point / b) Turn in / c) Press down
7. Profile B 813040 drill with $\varnothing 3.5$ mm and connect with screws Z 900656 and Profile B 813920

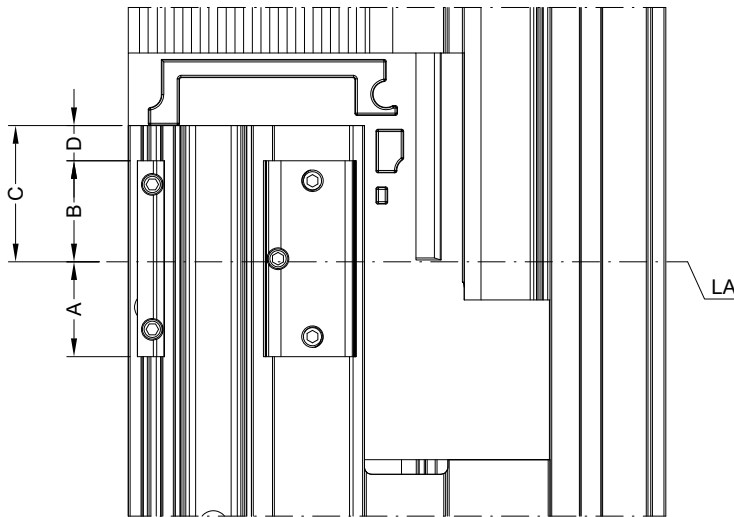


Bearbeitungsschritte Schema MK

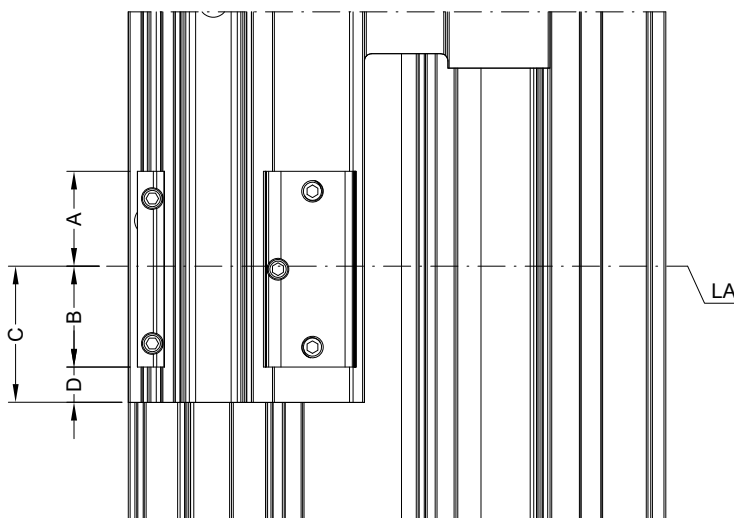
7. Stoßverbinder in B 813920
 einschieben / einhängen, ausrichten
 und die Schrauben andrehen

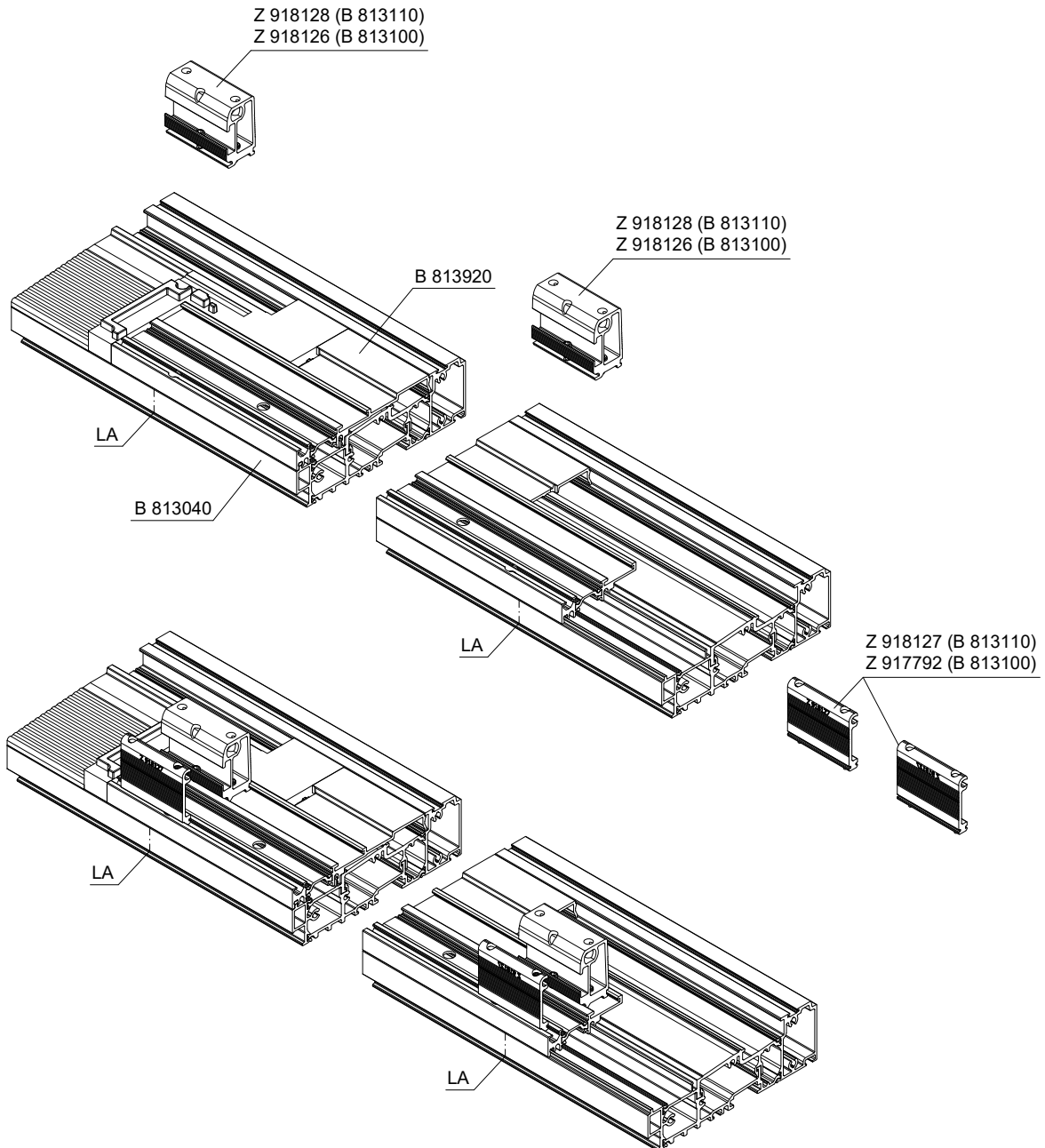
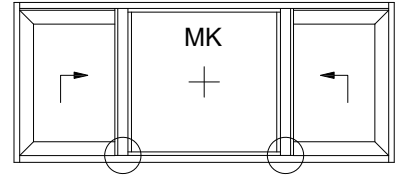
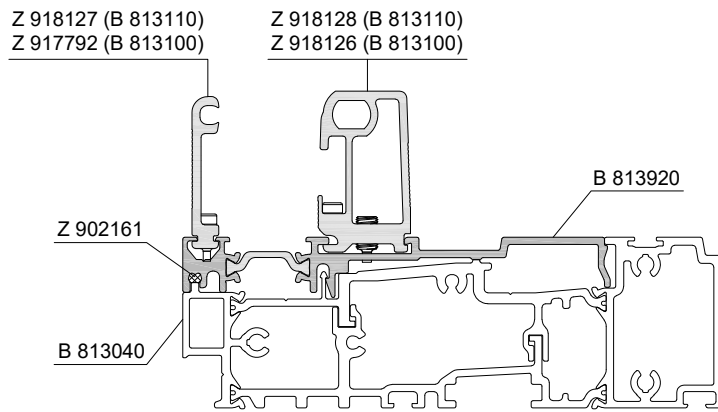
Processing steps scheme MK

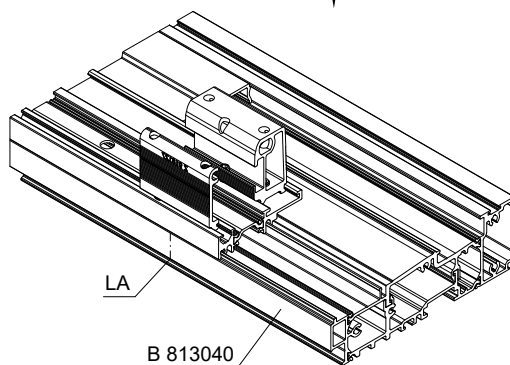
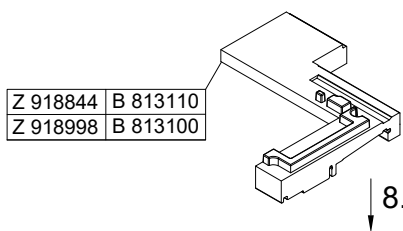
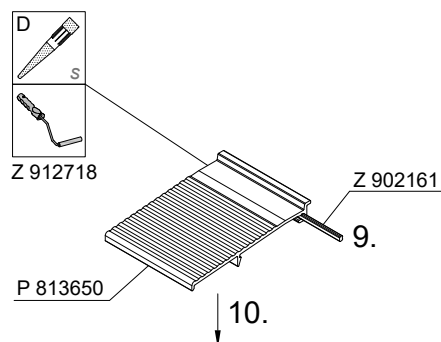
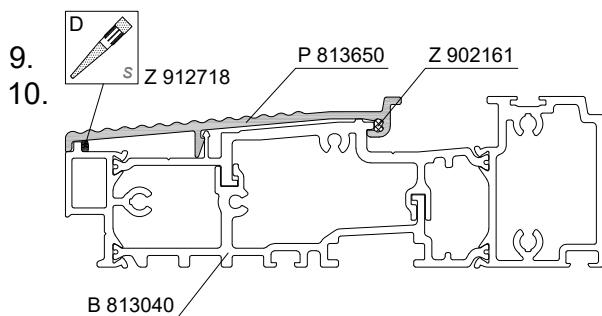
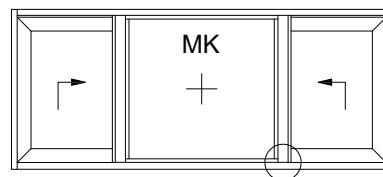
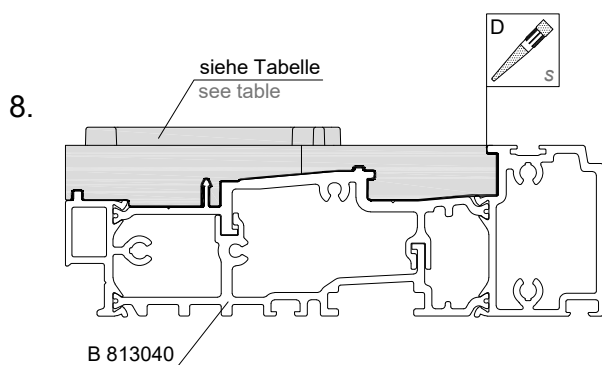
7. Insert T- brackets in B 813920
 and fix with screws



	A	B	C	D
B 813110	26.1	27.8	37.5	(9.7)
B 813100	20.1	21.8	31.5	(9.7)





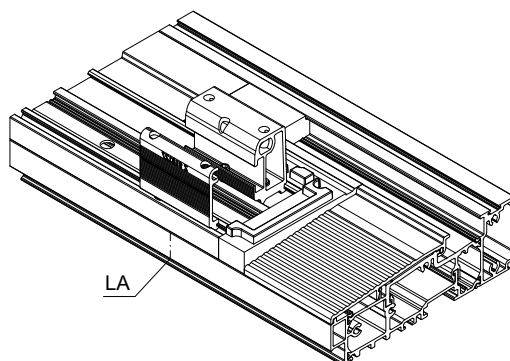


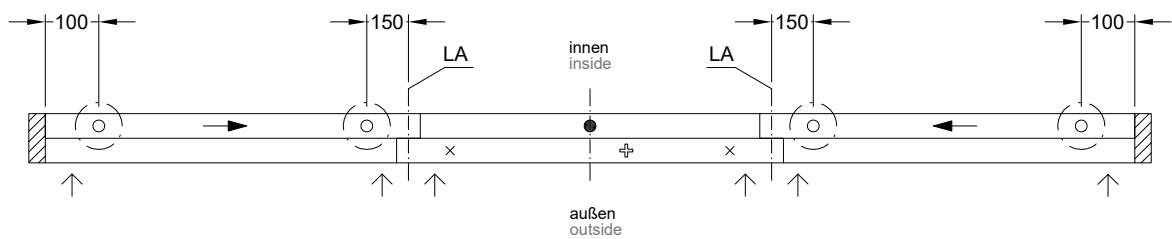
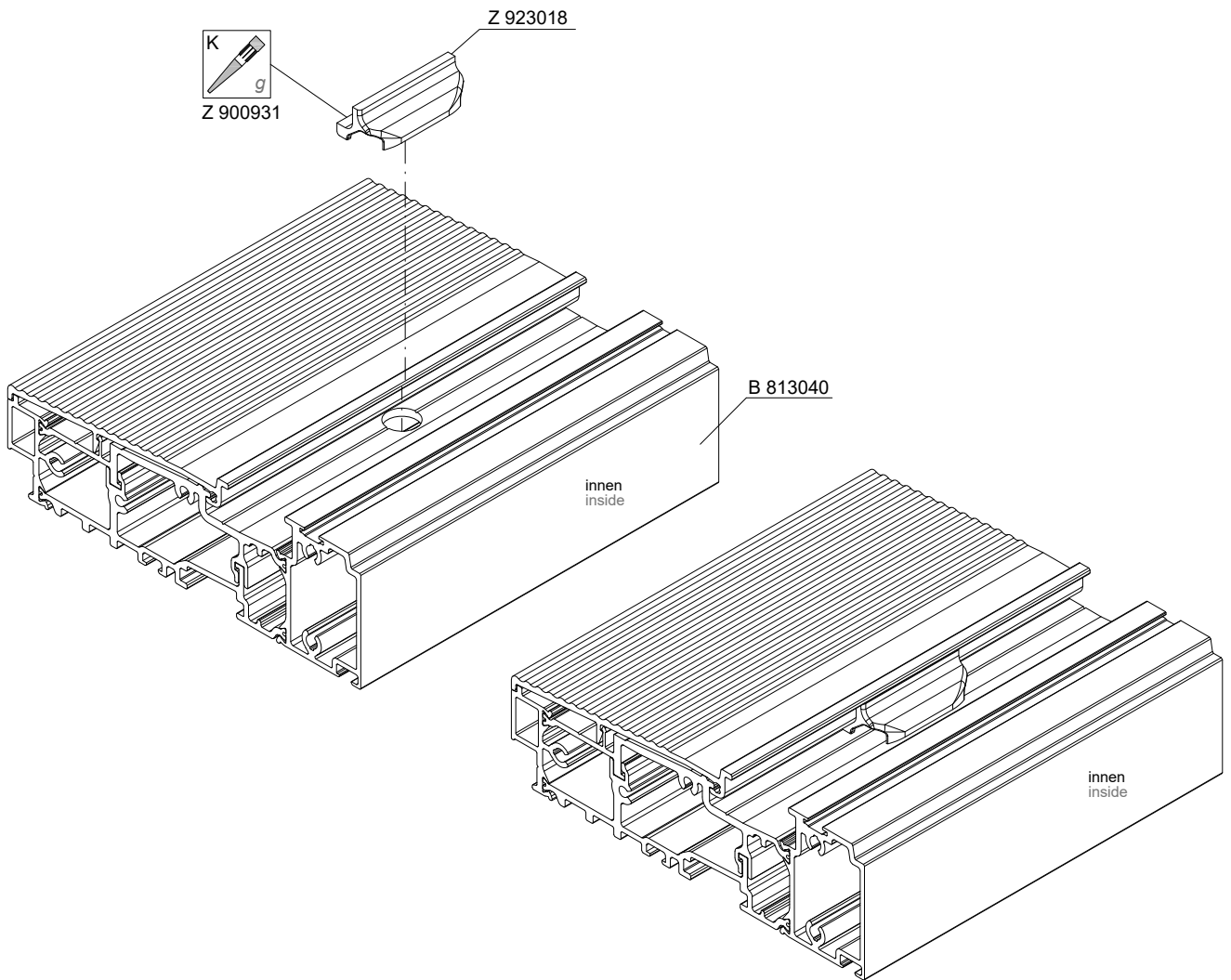
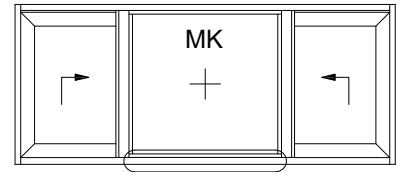
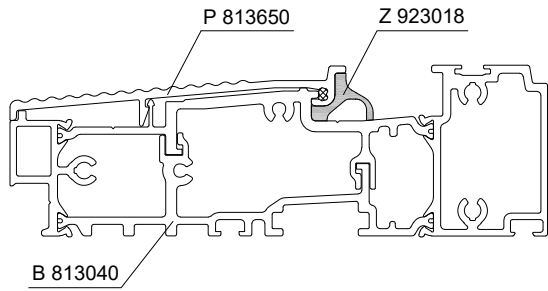
Bearbeitungsschritte Schema MK

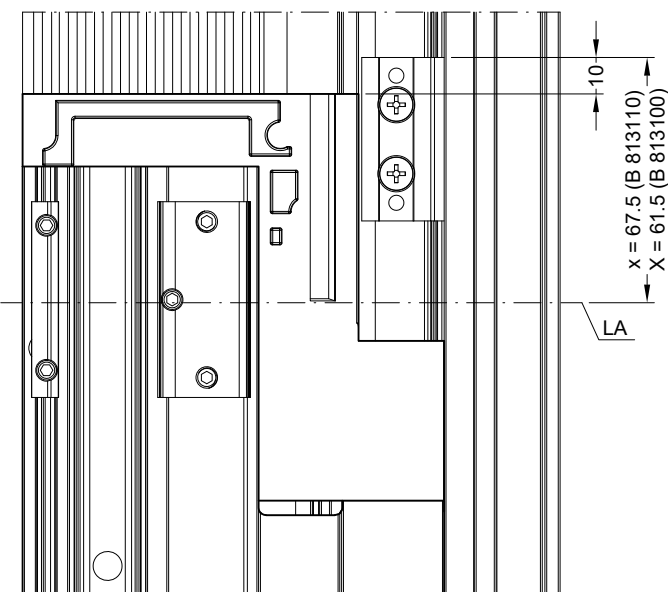
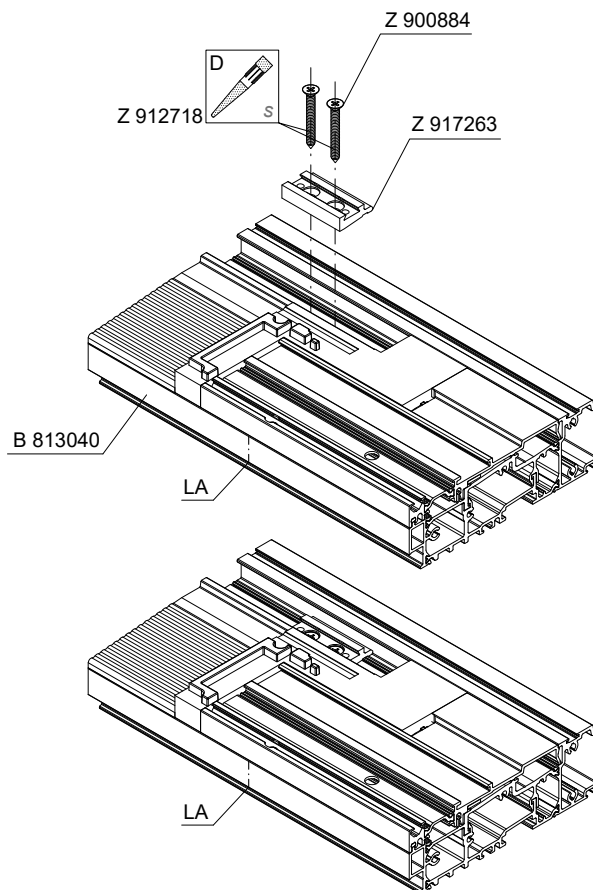
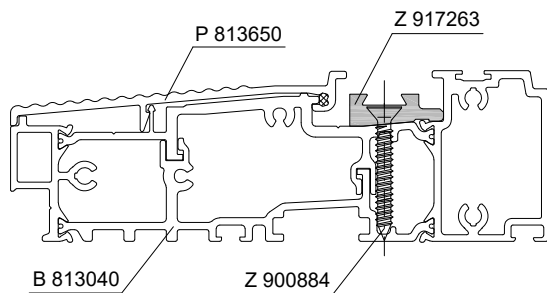
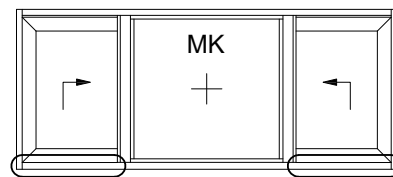
8. Dichtungsformteil (siehe Tabelle) mit Dichtstoff Z 912718 bündig zu P 813920 einsetzen
9. Dichtungsroundschnur Z 902161 in P 813650 eindrücken
10. Dichtstoff auf Blendrahmen B 813040 und Profil P 813650 aufbringen und P 813650 bündig zum Dichtformteil einklipsen

Processing steps scheme MK

8. Fix the shaped gasket piece (see table) with sealing compound flush to profile P 813920
9. Insert gasket cord Z 902161 in profile B 813650
10. Apply sealing compound to fixed frame B 813040 and profile B 813650 and snap on B 813650 flush with shaped gasket piece







Darstellung ohne Stoßverbinder!
 Shown without T- bracket!

Bearbeitungsschritte Schema MK

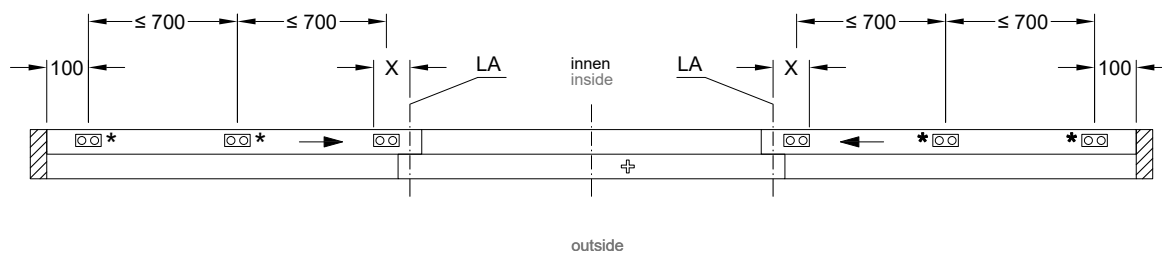
1. Unterteil Z 917263 in Profil B 813040 einsetzen
2. Mit Senkblechschräuben Z 900884 ohne vorbohren verschrauben

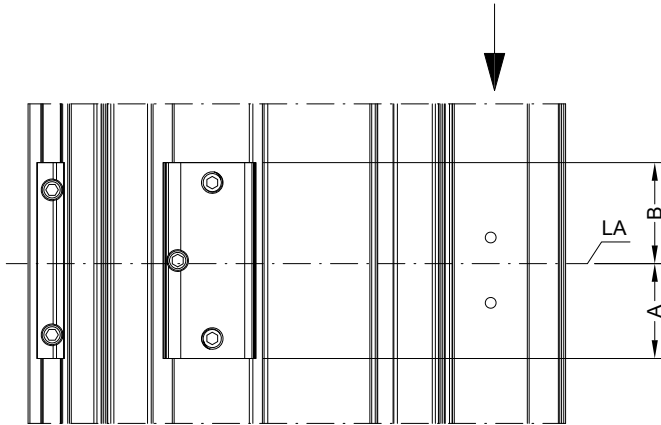
Processing steps scheme MK

1. Insert base part Z 917263 into profile B 813040
2. Fix it with countersunk self-tapping screw Z 900884 without pre-drilling

* Verwendung weiterer Zusatzverriegelungen nur bei Windlasten ab 2000 Pa erforderlich

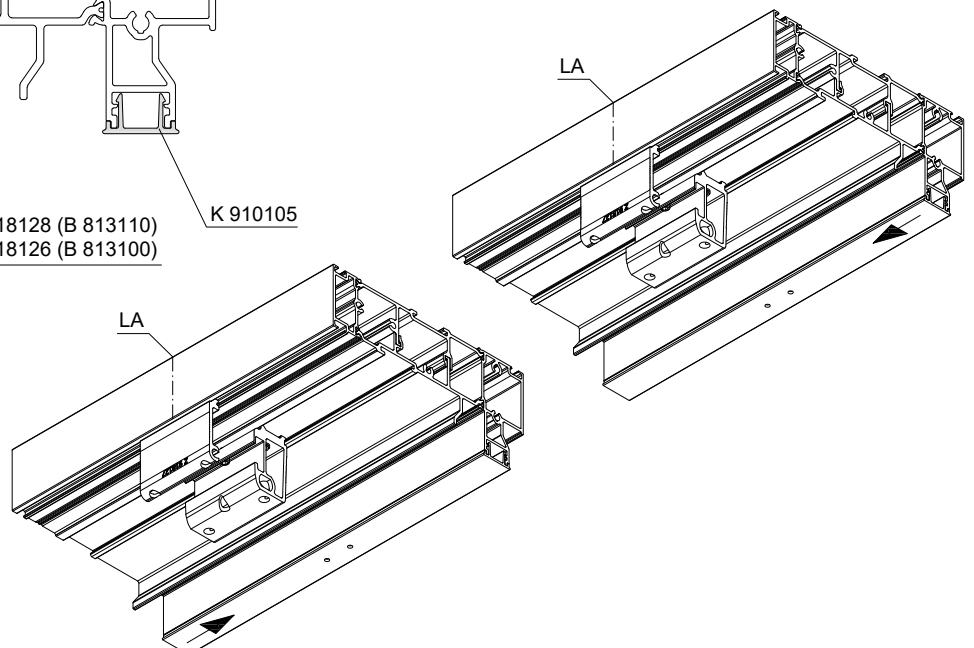
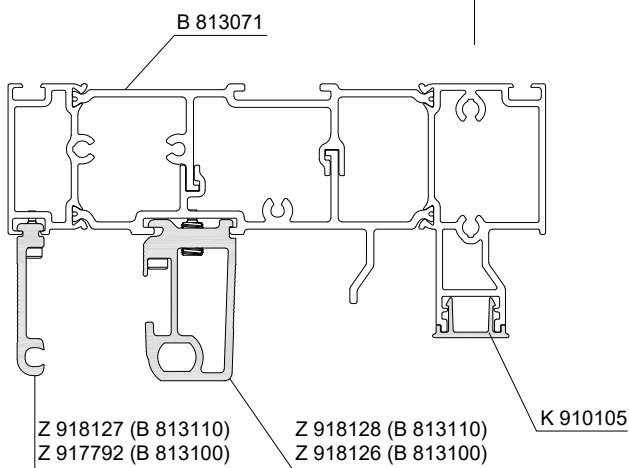
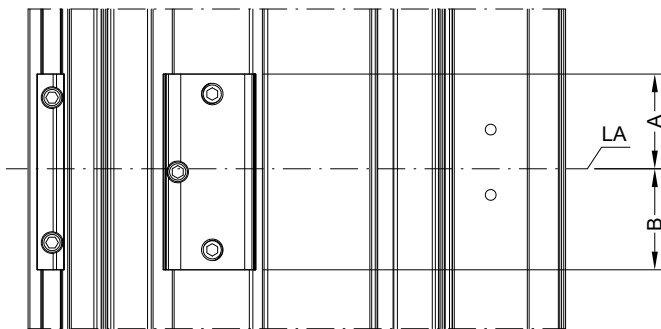
* Use of further additional locking systems only required for wind loads from 2000 Pa





+

	A	B
B 813110	26.1	27.8
B 813100	20.1	21.8



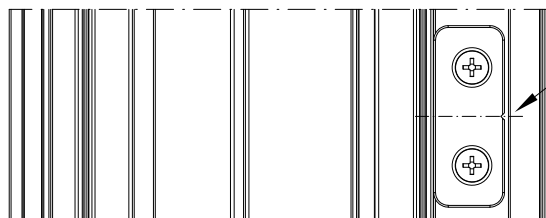
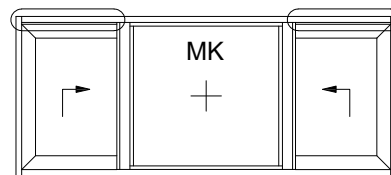
Bearbeitungsschritte Schema MK

1. Abdeckprofil K910105 auf Blendrahmen B 813071 aufklipsen
2. Stoßverbinder Z 918127 und Z 918128 in B 813071 einschieben, ausrichten und die Schrauben andrehen

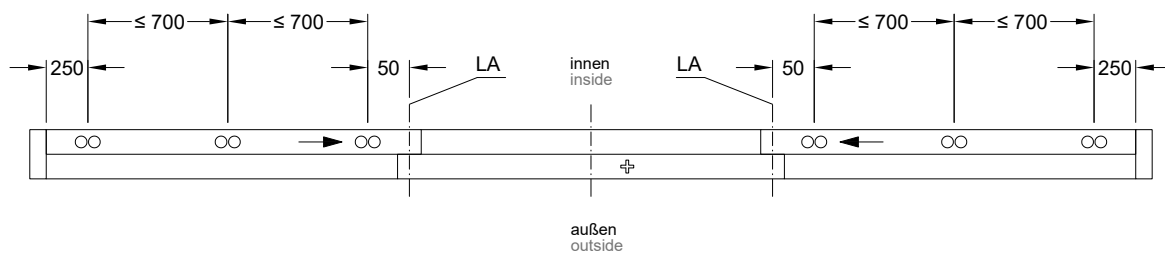
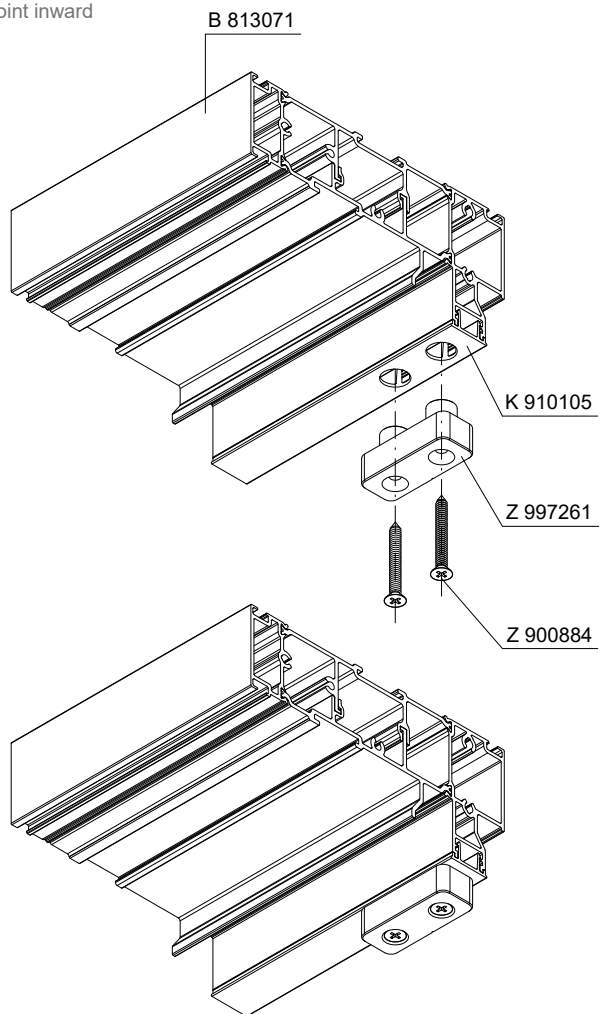
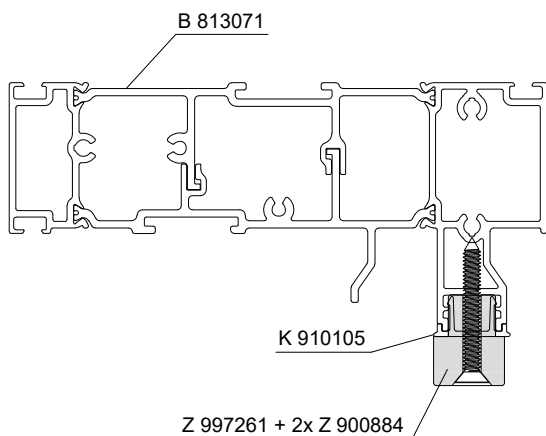
Processing steps scheme MK

1. Snap on cover profil K 910105 to fixed frame B 813071
2. Insert T- brackets Z 918127 and Z 918128 in fixed frame B 813071 and fix with screws

Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



Asymmetrisches Bauteil
 Markierung muss nach
 innen zeigen
 Asymmetrical component
 Mark must point inward



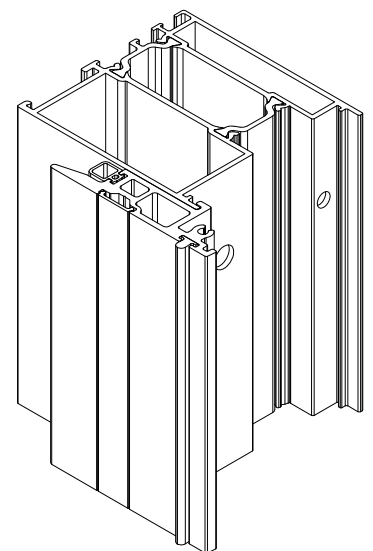
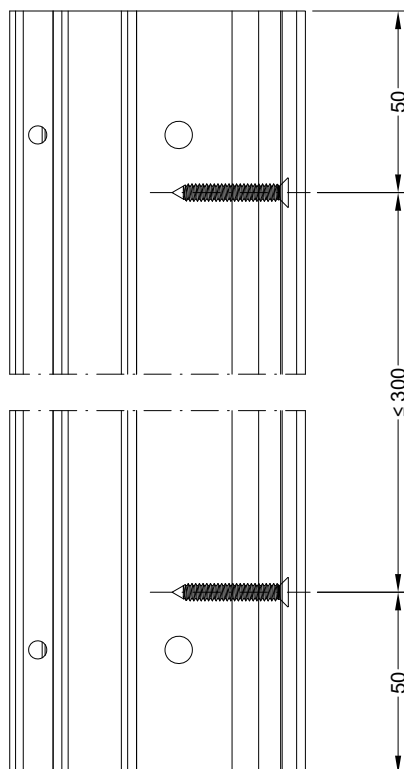
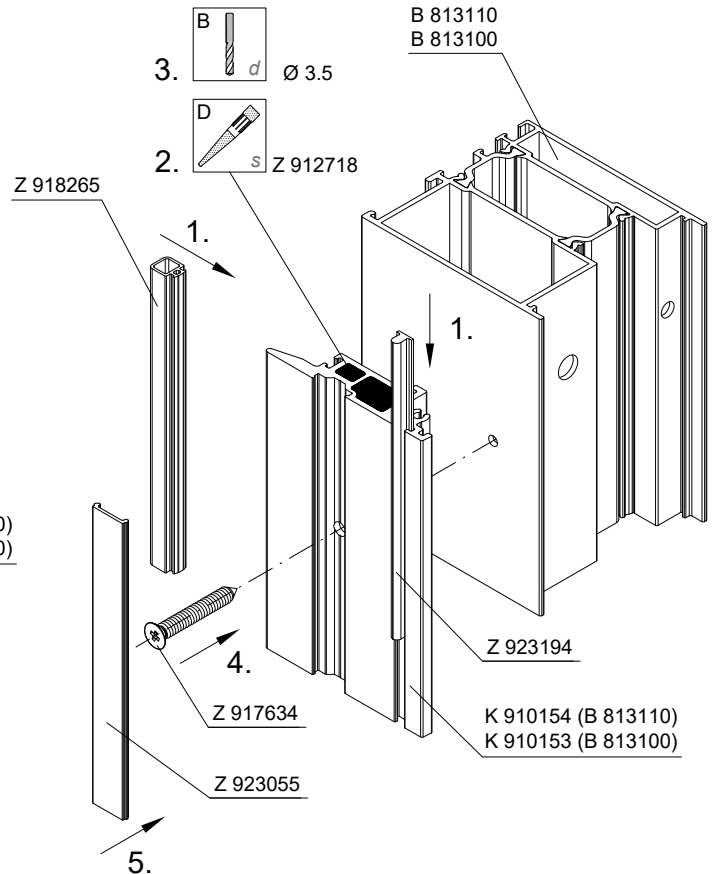
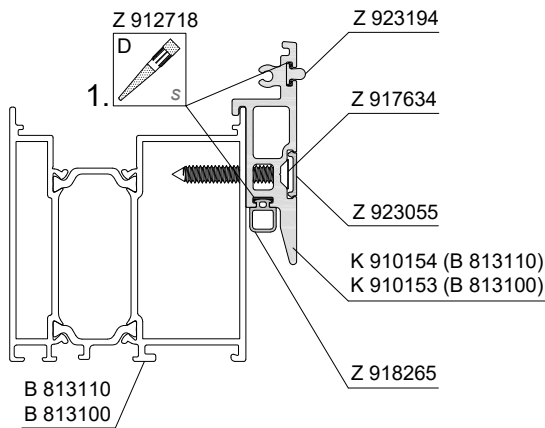
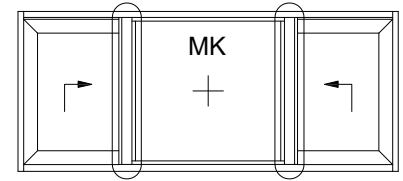
RAHMENMONTAGE
 FRAME ASSEMBLY

Bearbeitungsschritte Schema MK

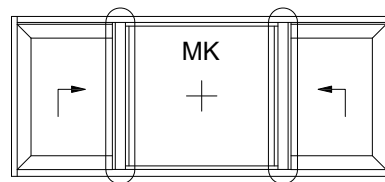
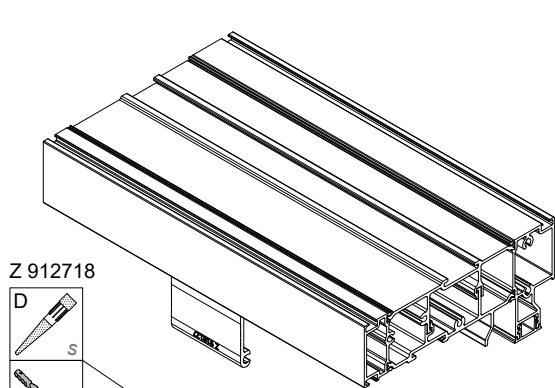
1. Dichtungen Z 918265 und Z 923194 in Labyrinthprofil K 910154 / K 910153 eindrücken und oben und unten mit Dichtstoff fixieren
2. Labyrinthprofil stirnseitig oben mit Dichtstoff versiegeln und am Pfostenprofil B 813110/ B 813100 ausrichten
3. Durch Labyrinthprofil und Pfostenprofil mit $\varnothing 3,5$ mm bohren
4. Labyrinthprofil mit Schrauben Z 917634 am Pfosten verschrauben
5. Abdeckung Z 923055 aufdrücken

Processing steps schema MK

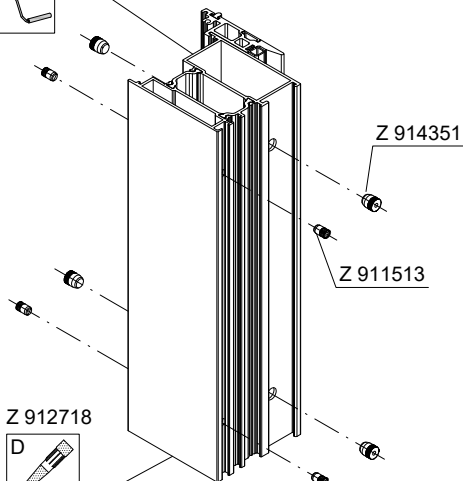
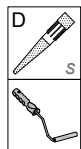
1. Insert gaskets Z 918265 and Z 923194 in labyrinth profile K 910154/ K 910153 and fix it with sealing compound at the top and bottom
2. Seal labyrinth profile on top and adjust to mullion B 813110/ B 813100
3. Drill holes through labyrinth profile and mullion with $\varnothing 3.5$ mm
4. Fix labyrinth profile with screws Z 917634 at the mullion
5. Snap on cover profile Z 923055



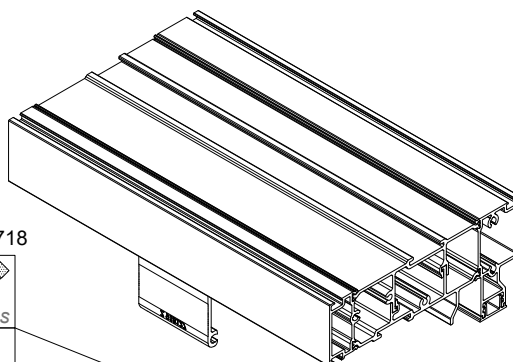
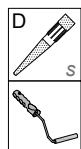
RAHMENMONTAGE
 FRAME ASSEMBLY



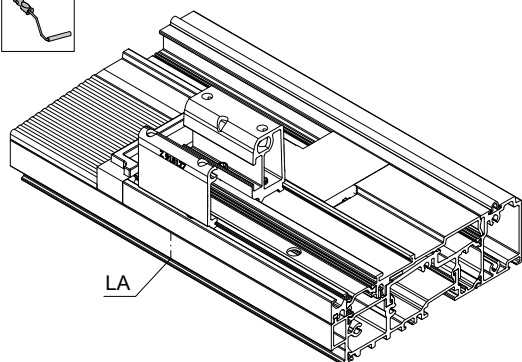
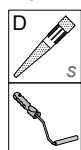
Z 912718



Z 912718



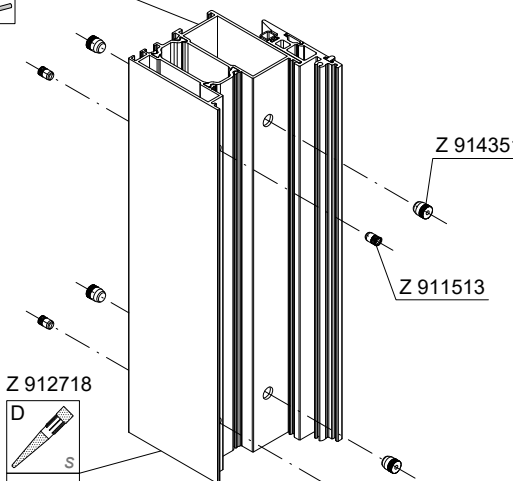
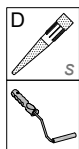
Z 912718



Z 914351

Z 911513

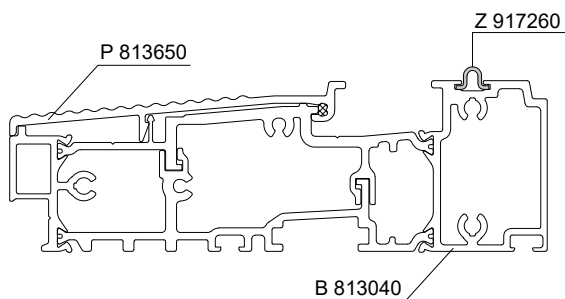
Z 912718



LA

LA

3.

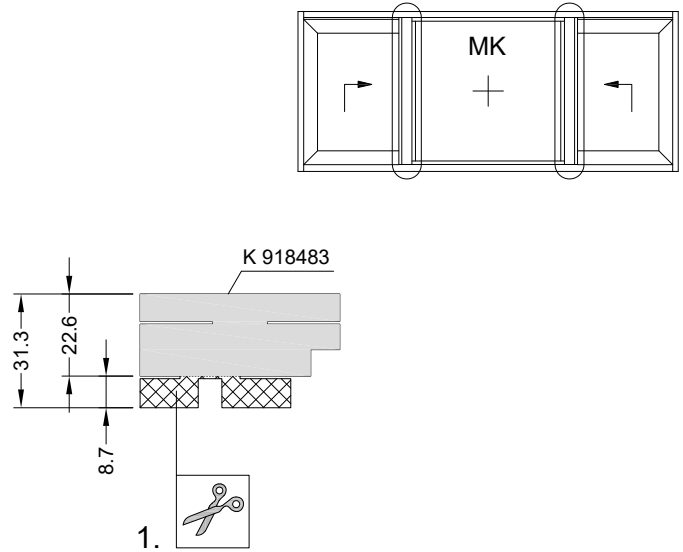
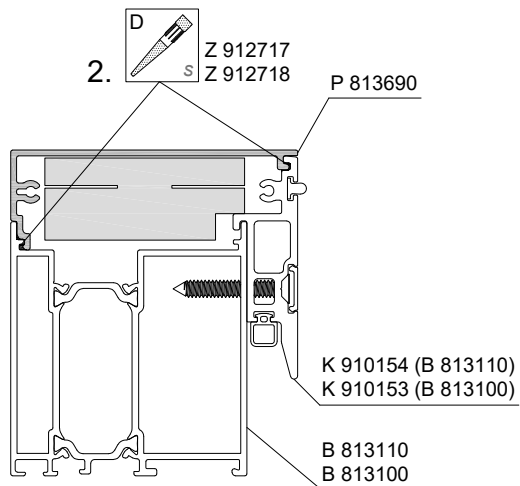


Bearbeitungsschritte Schema MK

1. Dichtstoff auf die Schnittflächen vom Pfosten und Labyrinth auftragen
2. Pfosten einsetzen und verfestigen
3. Laufschiene Z 917260 einschieben

Processing steps scheme MK

1. Apply sealing compound to the cut surface of mullion and labyrinth
2. Insert mullion and fix with pins
3. Slide in the rail Z 917260

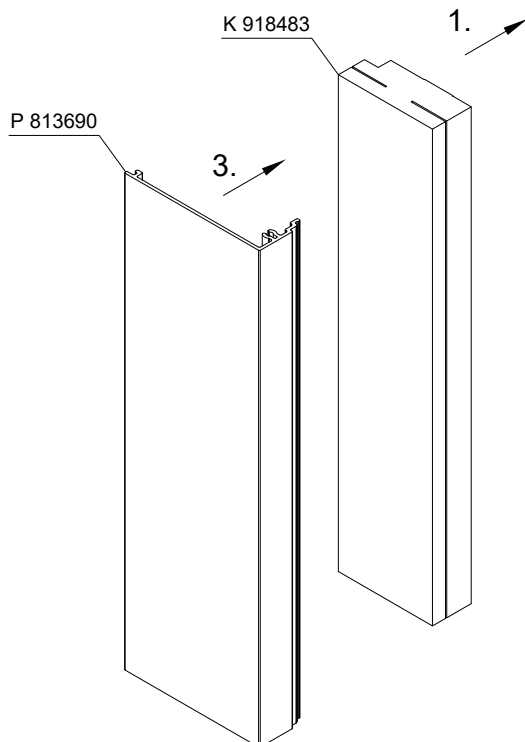
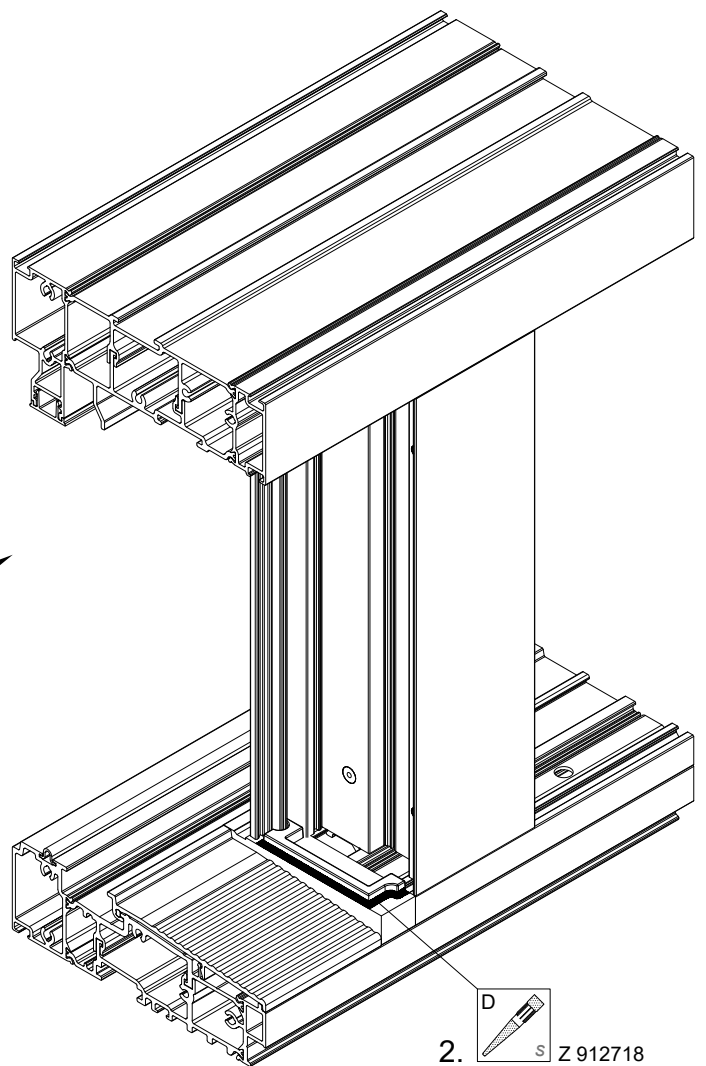


Bearbeitungsschritte Schema MK

1. Dämmkern K 920298 auf Länge schneiden (L=FH-35), an vorhandener Kerbe abtrennen und im Pfosten platzieren
2. Dichtstoff auftragen
3. Abdeckprofil P 813690 aufklipsen

Processing steps scheme MK

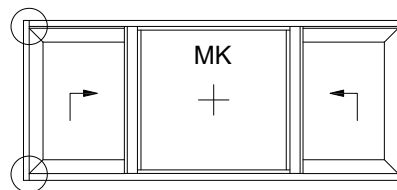
1. Cut the insulating core K 920298 (L= mullion length - 35 mm), cut at the notch and place it the mullion
2. Apply sealing compound
3. clip on cover profil P 813690



RAHMENMONTAGE
 FRAME ASSEMBLY

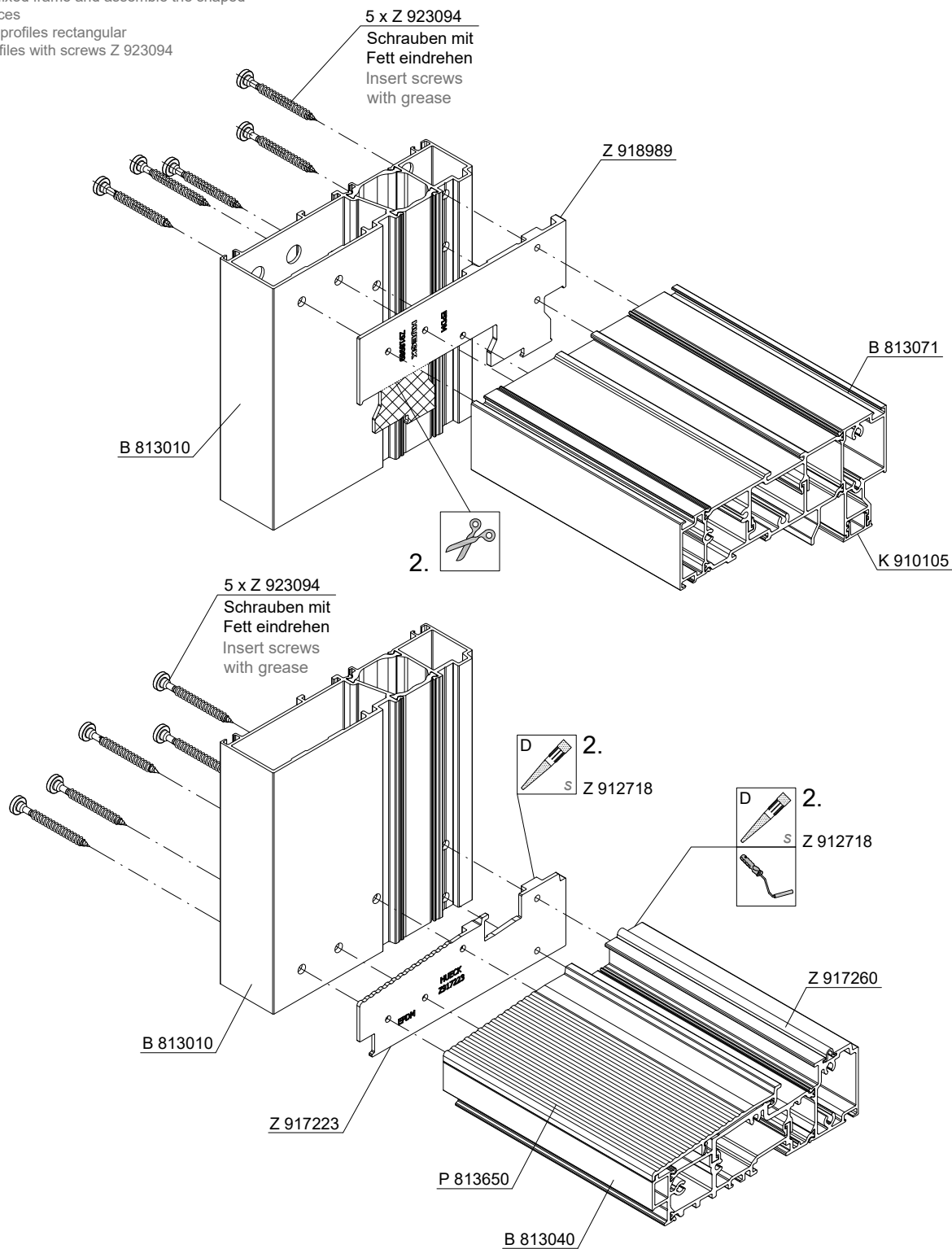
Bearbeitungsschritte Schema MK

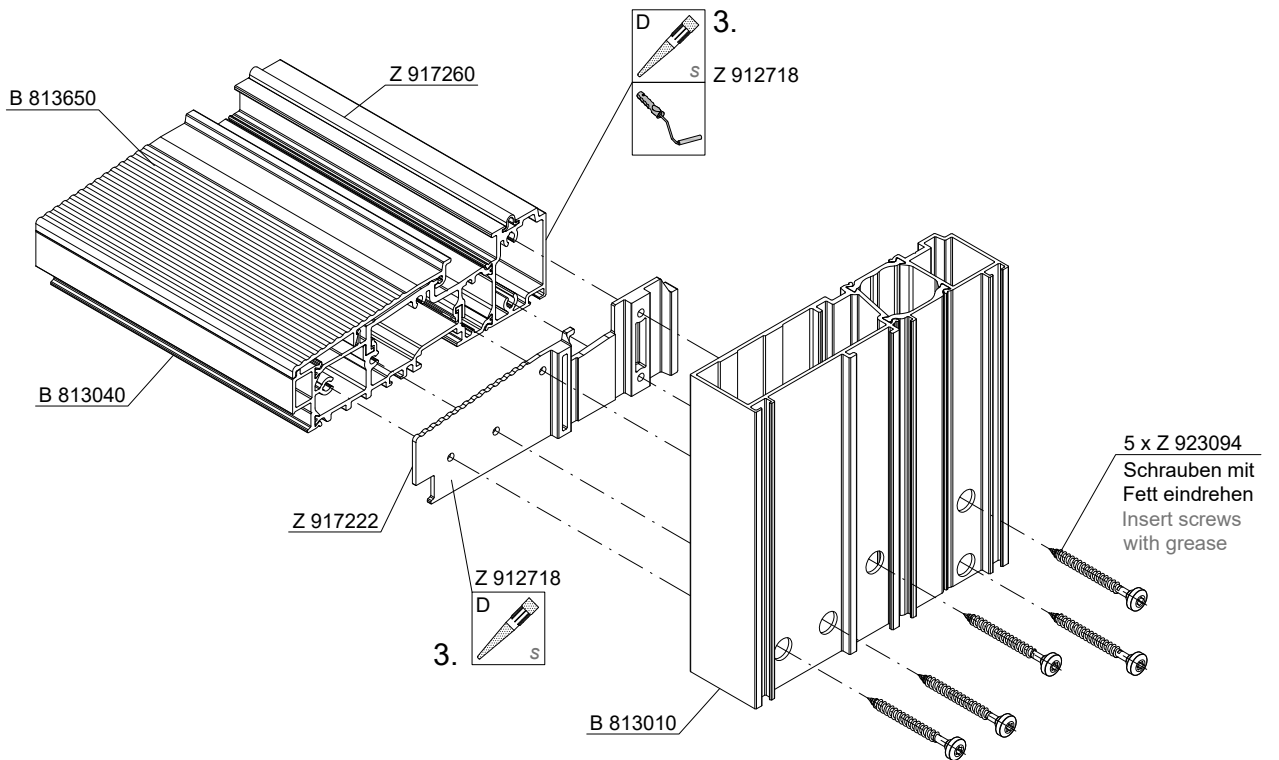
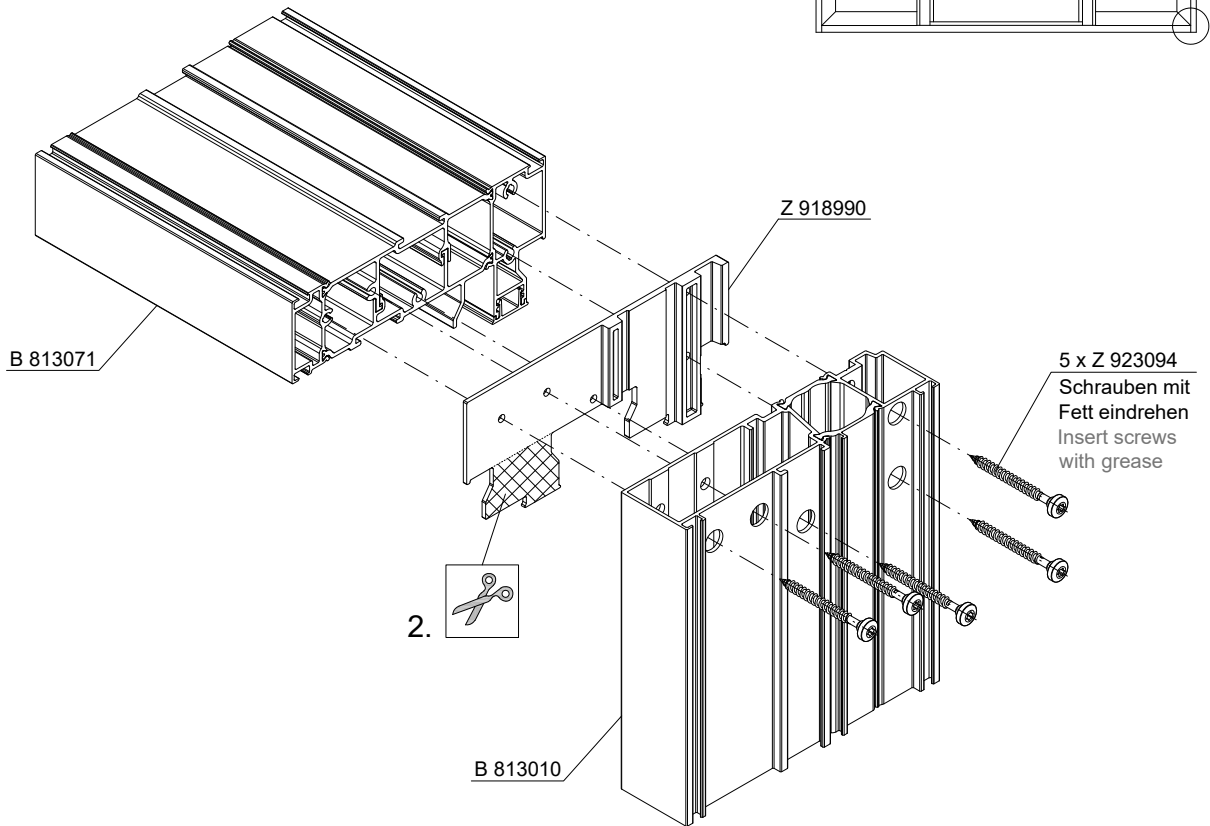
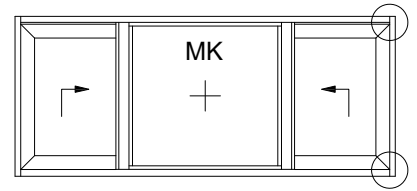
1. Isolier- Einschiebling in Blendrahmen
 B 813080 einschieben (optional)
2. Teilstück vom Dichtpad Z918991 abtrennen
3. Dichtstoff auf gesamte Flächen der Dichtformteile
 und Blendrahmen aufbringen und Dichtformteile
 einlegen
4. Profile rechtwinklig ausrichten
5. Profile mit Schrauben Z 923094 verschrauben



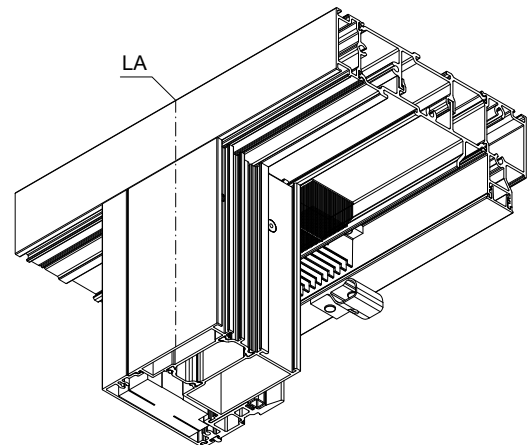
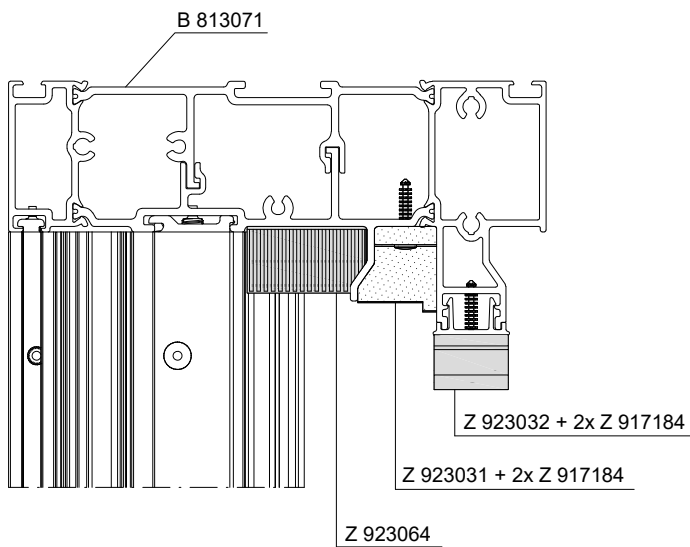
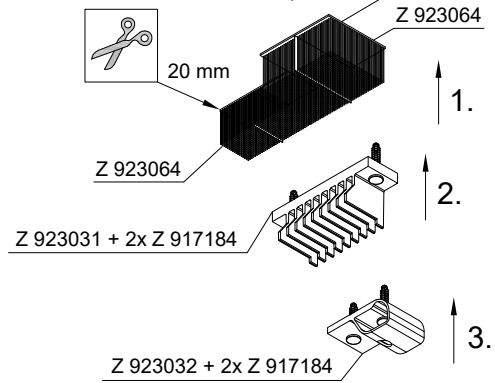
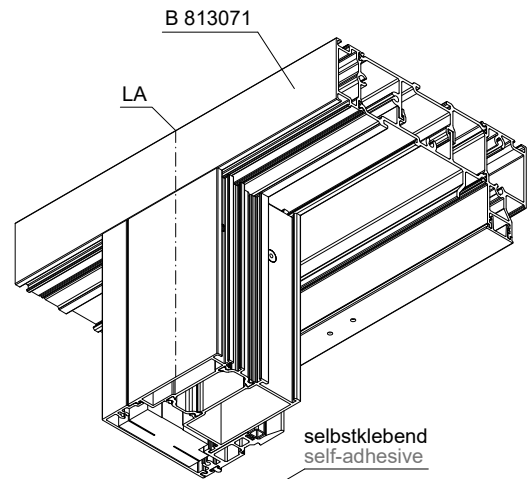
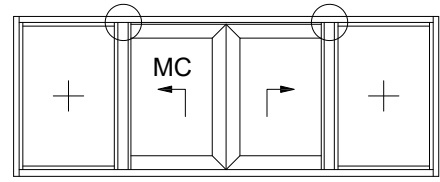
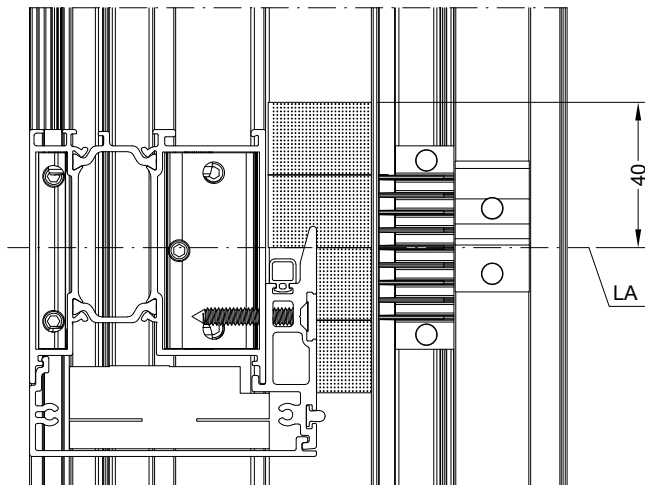
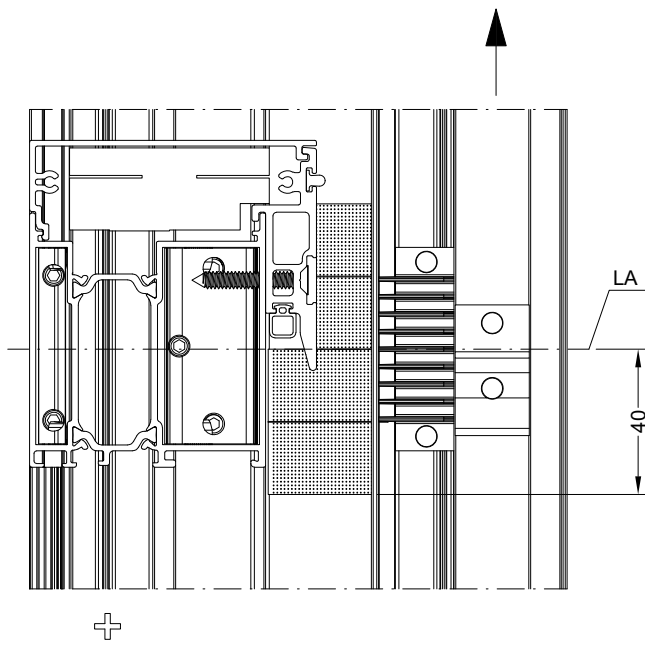
Processing steps scheme MK

1. Insert insulating connecting sleeve into
 fixed frame B 813080 (optionally)
2. Cut part of the shaped gasket piece Z 918991
3. Apply sealing compound to the shaped gasket
 piece and fixed frame and assemble the shaped
 gasket pieces
4. Adjust the profiles rectangular
5. Fix the profiles with screws Z 923094

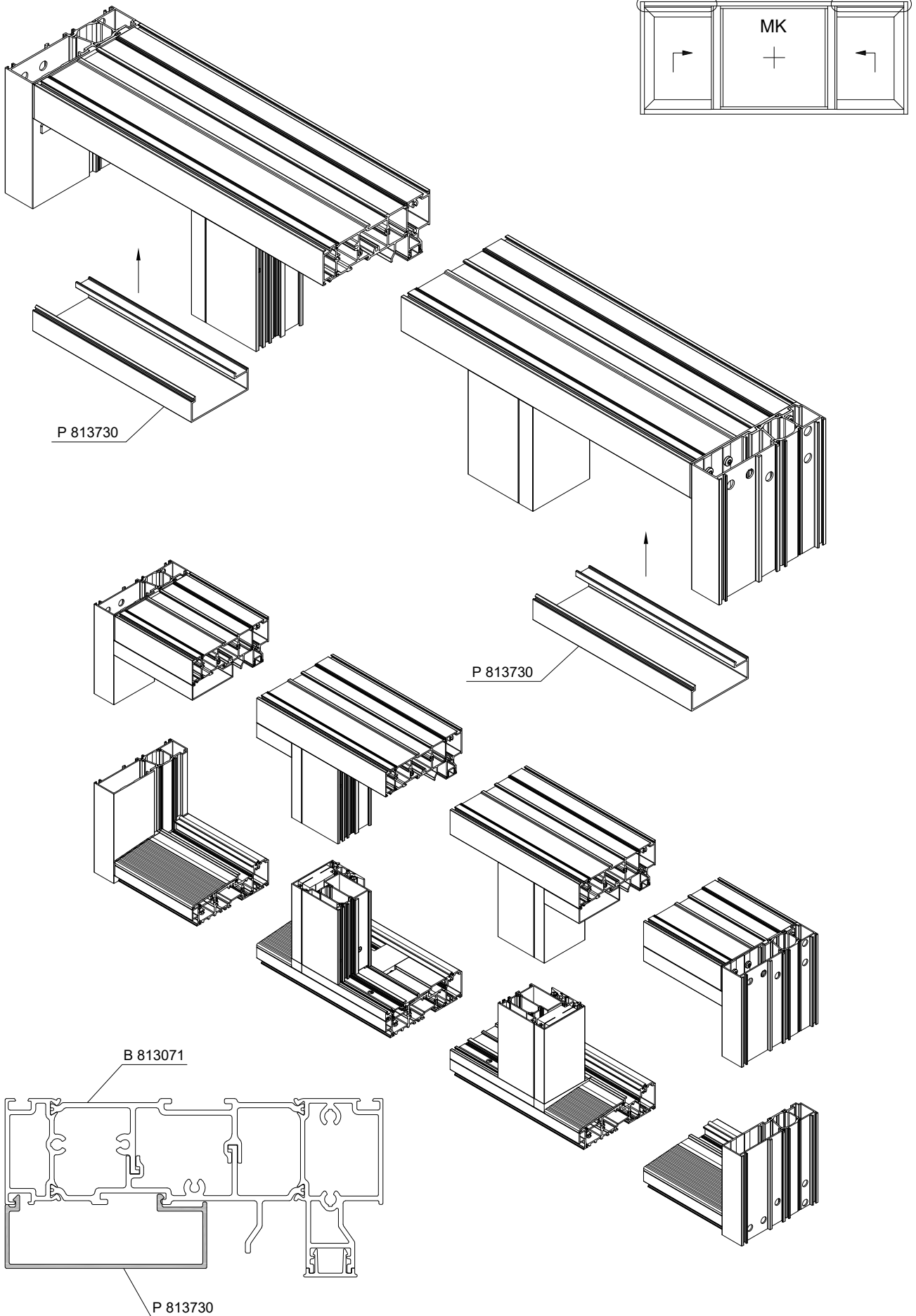




MONTAGE • DICHTFORMTEIL
 ASSEMBLY • SHAPED GASKET PIECE



RAHMENMONTAGE
FRAME ASSEMBLY



ZUBEHÖRSÄTZE • BLENDRAHMEN
ACCESSORY SETS • FIXED FRAME

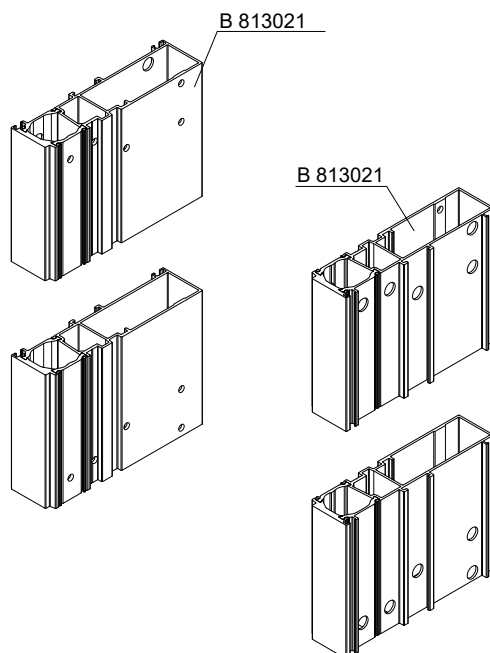
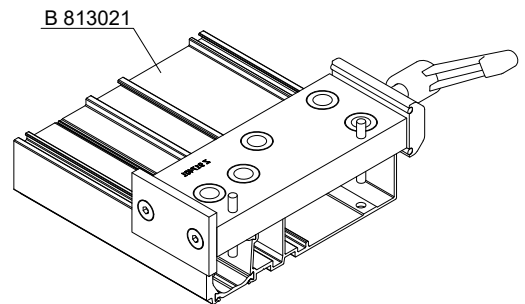
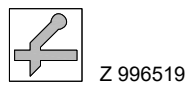
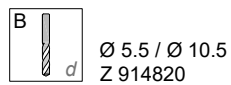
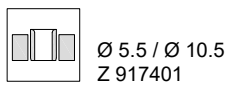
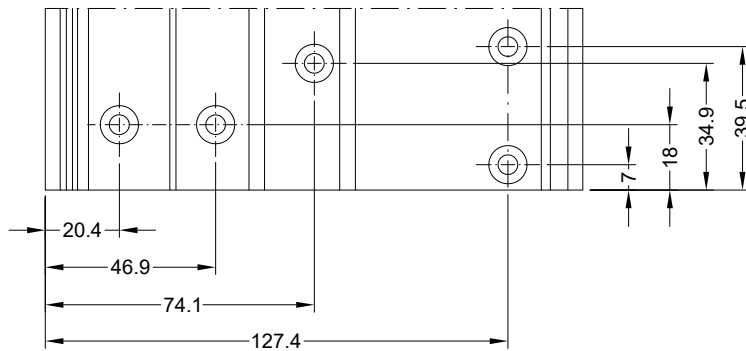
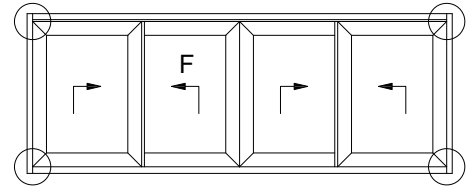
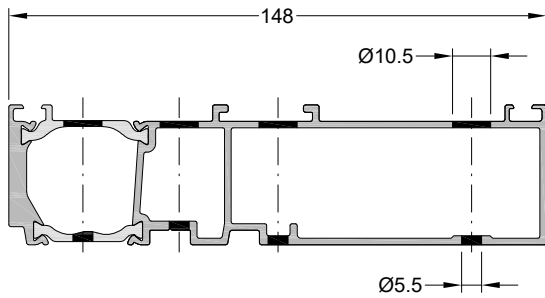
BLENDRAHMEN FIXED FRAME		
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
F		<p>2-spurige Anlage mit 4 Feldern 4 Schiebeflügel Primärer Flügel mittig nach links oder rechts öffnend</p> <p>Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the left or right</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Stückzahl Quantity			
Z 997663	Z 923094	20	Z 917184	16			
	Z 918988	1	Z 923030	8			
	Z 918987	1	Z 923029	4			
	Z 917226	1	Z 917634	50			
	Z 917227	1	Z 918345	6			
	Z 917253	2	Z 918493	3			
	Z 923018	3	Z 918494	3			
	Z 923031	4					
	Z 923032	4					

2L
Schema F
Scheme F

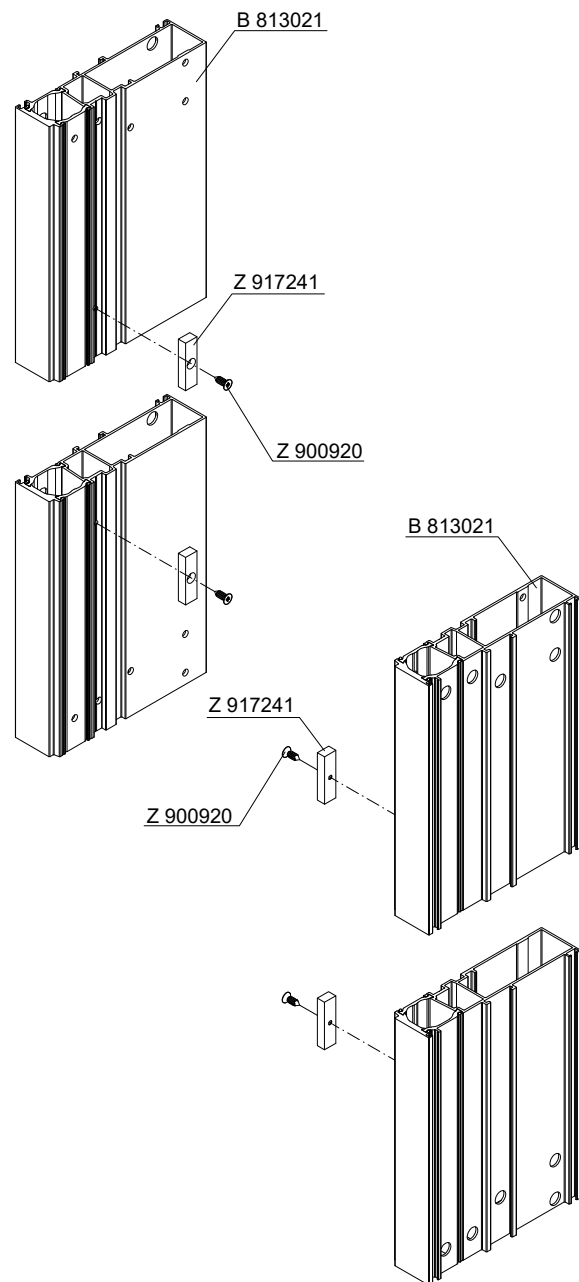
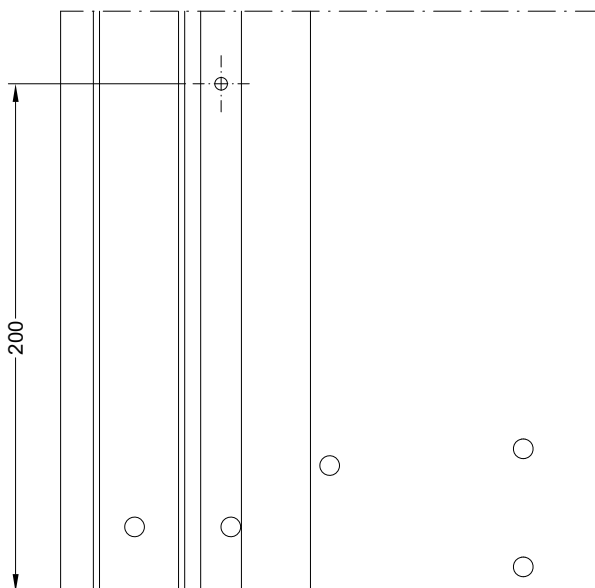
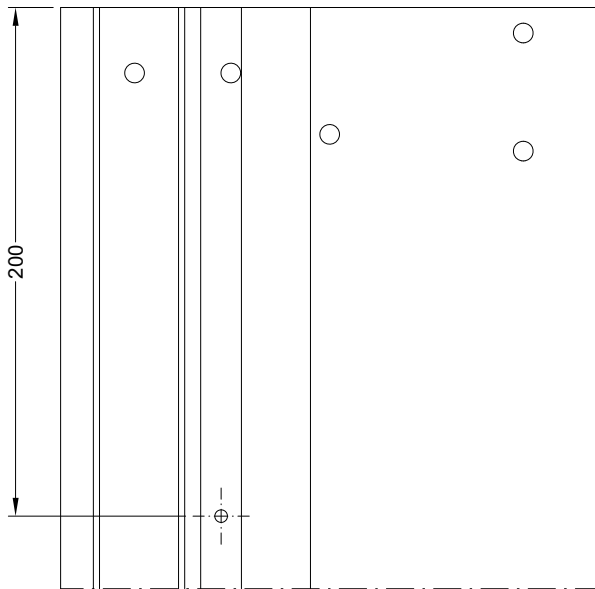
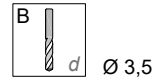
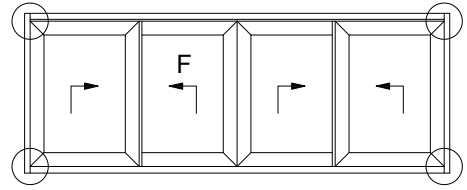
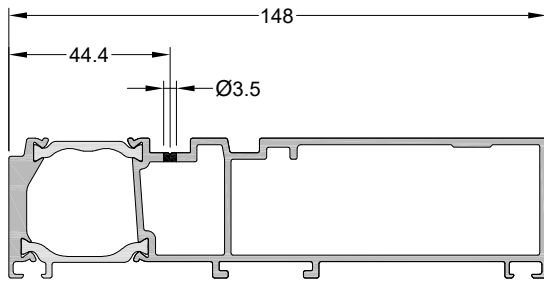
ECKVERBINDUNGEN
 CORNER CONNECTIONS

B 813021



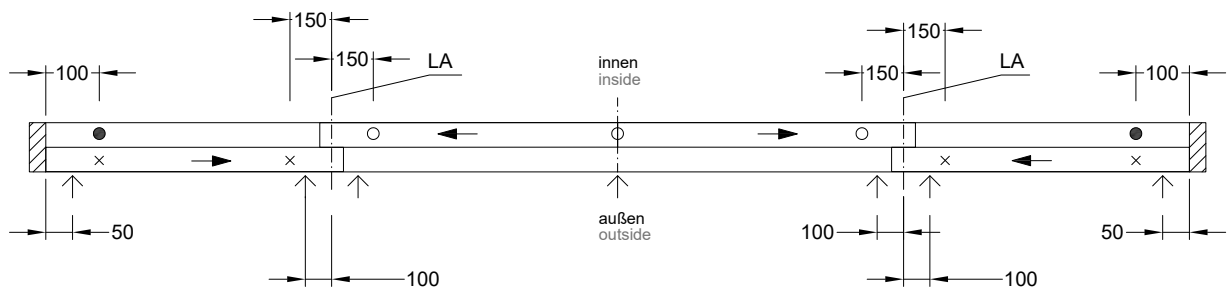
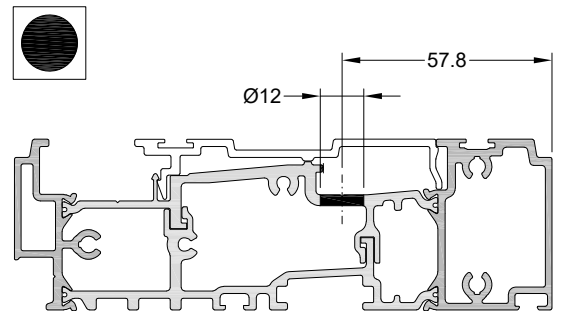
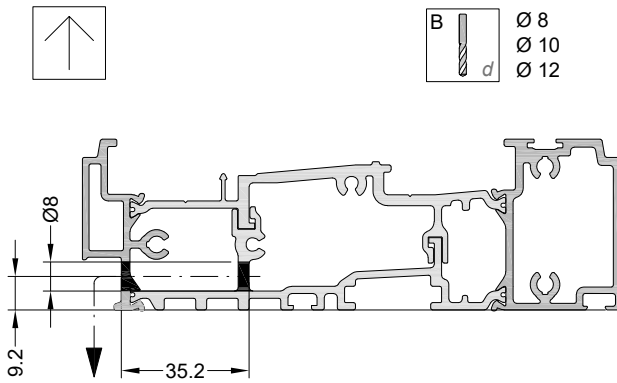
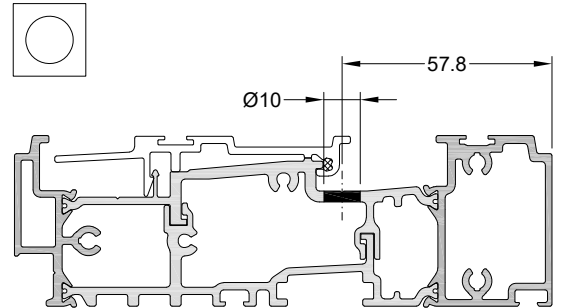
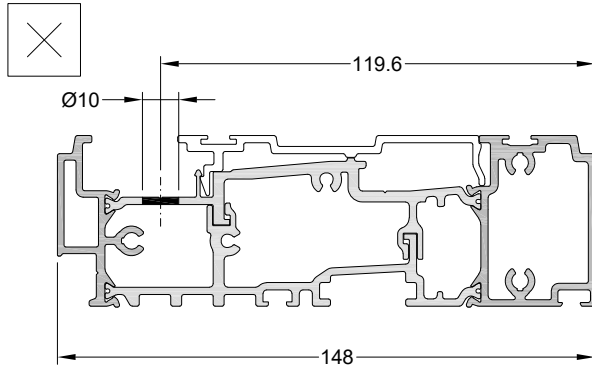
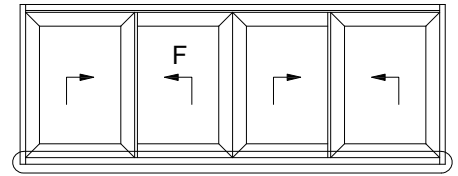
ANSCHLAGPUFFER
STOP BUFFER

B 813021



ENTWÄSSERUNG
DRAINAGE

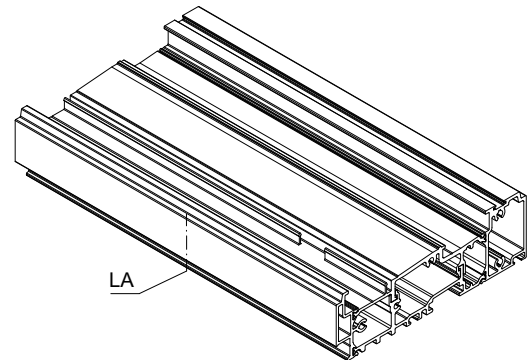
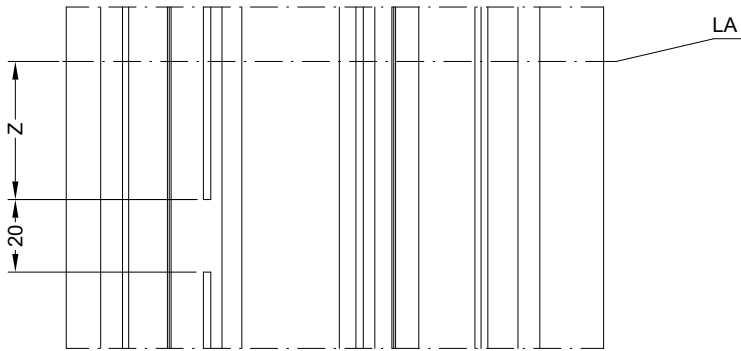
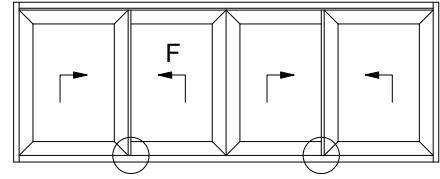
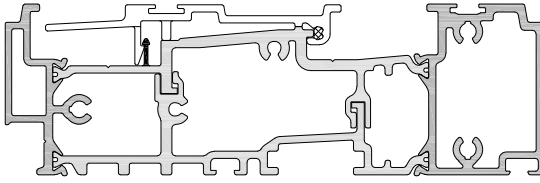
B 813050



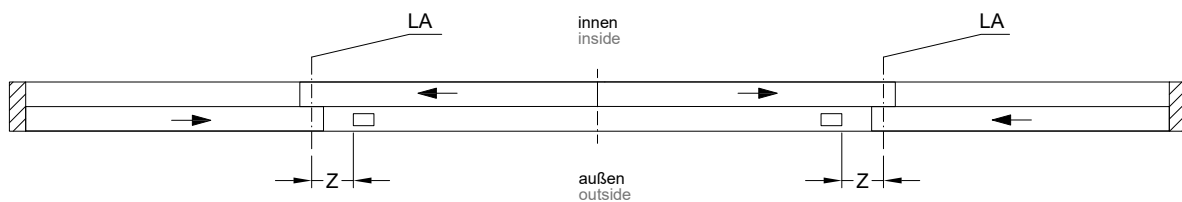
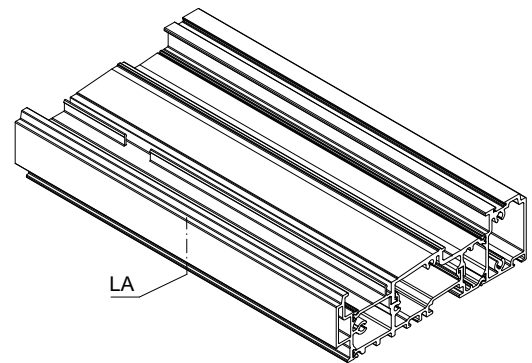
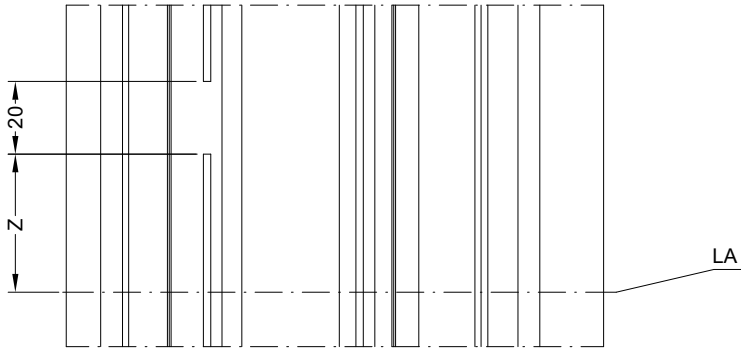
- | | |
|-------------------------------|---------------------------------|
| × Bohrung Ø10 | × drill hole Ø10 |
| ○ Bohrung Ø10 | ○ drill hole Ø10 |
| ↑ Bohrung Ø8 | ↑ drill hole Ø8 |
| ● Bohrung Ø12 für Kugelventil | ● drill hole Ø12 for ball valve |

ENTWÄSSERUNG
 DRAINAGE

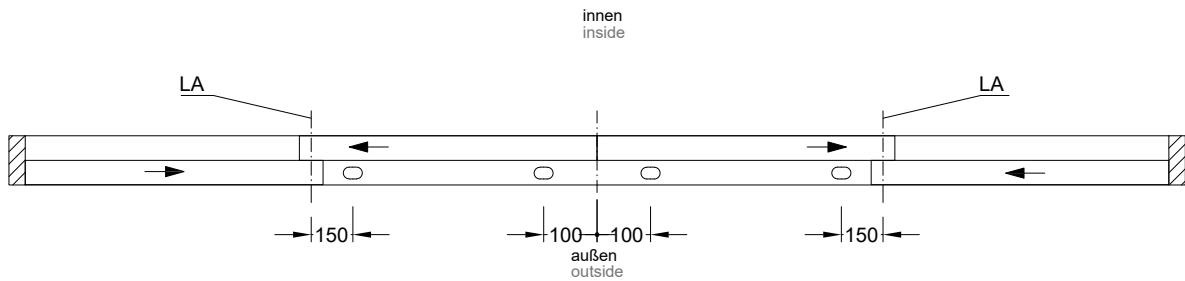
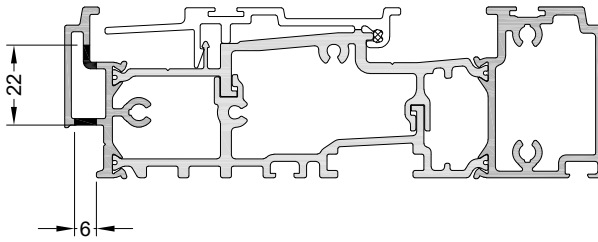
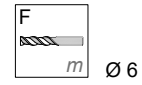
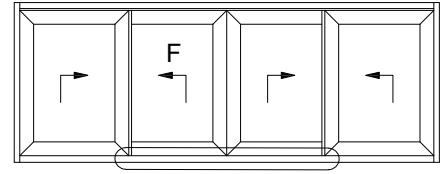
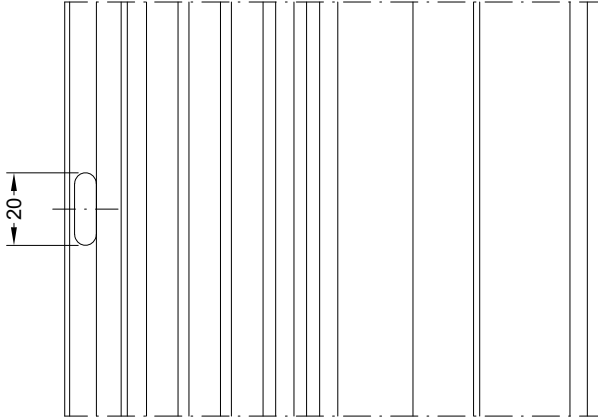
B 813050



B 813234	Z = 58
B 813235	Z = 58
B 813232	Z = 52
B 813233	Z = 52



B 813050

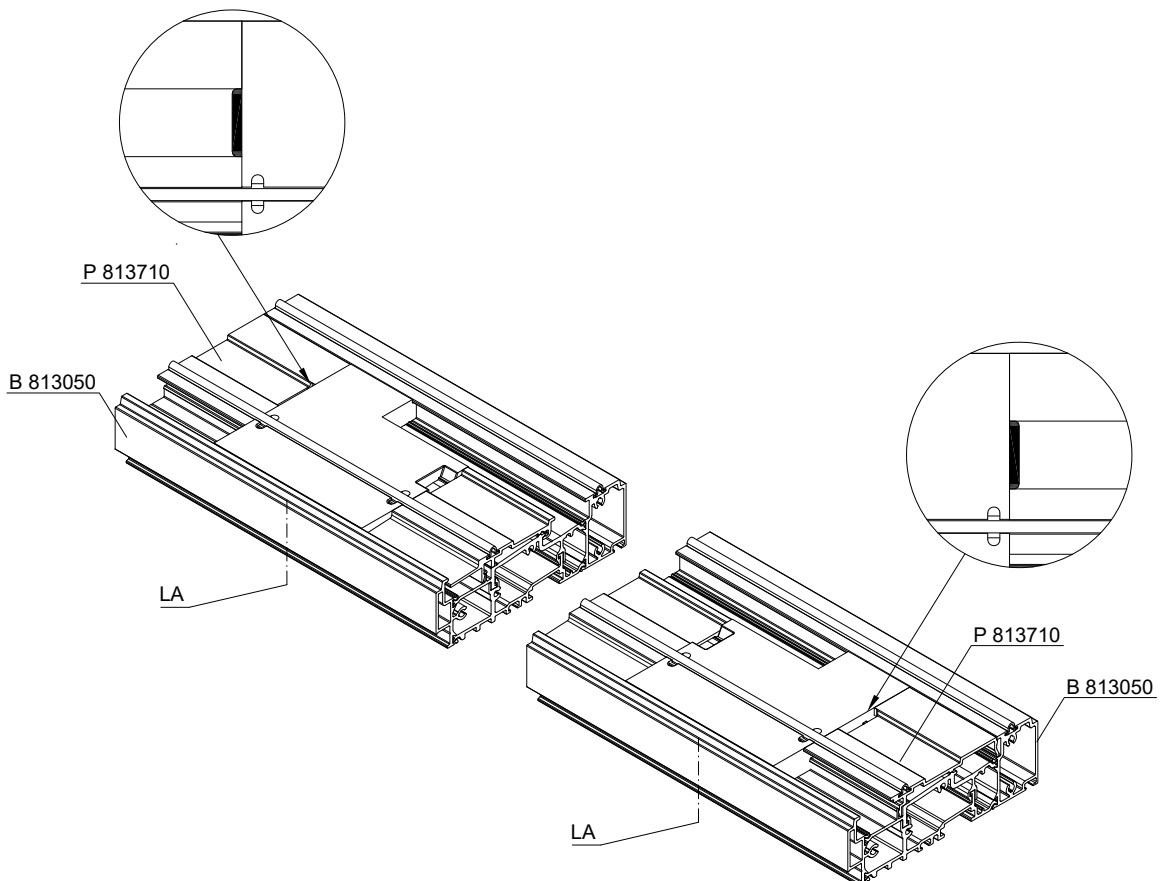
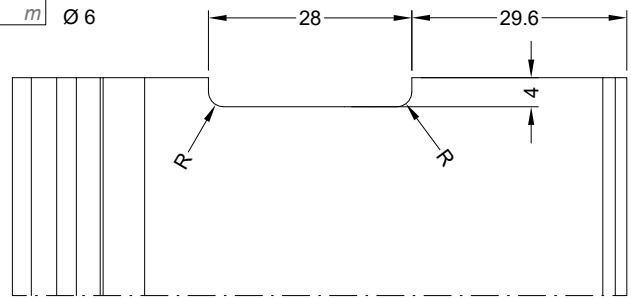
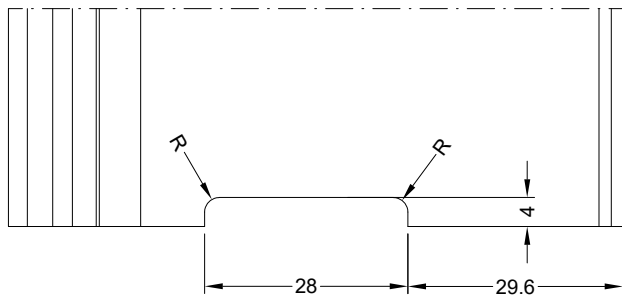
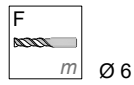
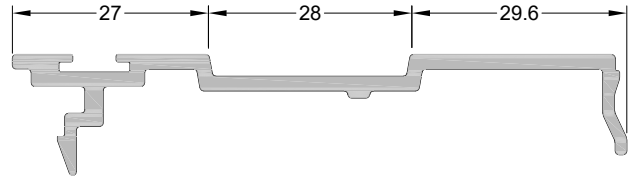
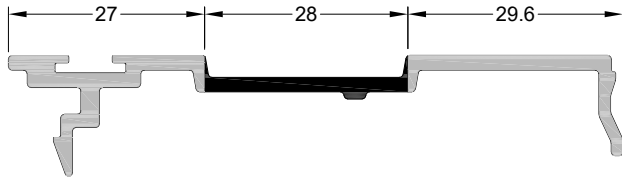
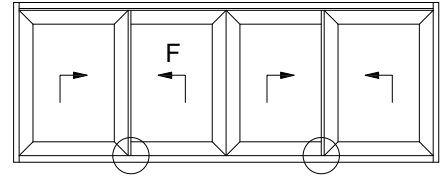


□ Fräsung Ø6

□ milling Ø6

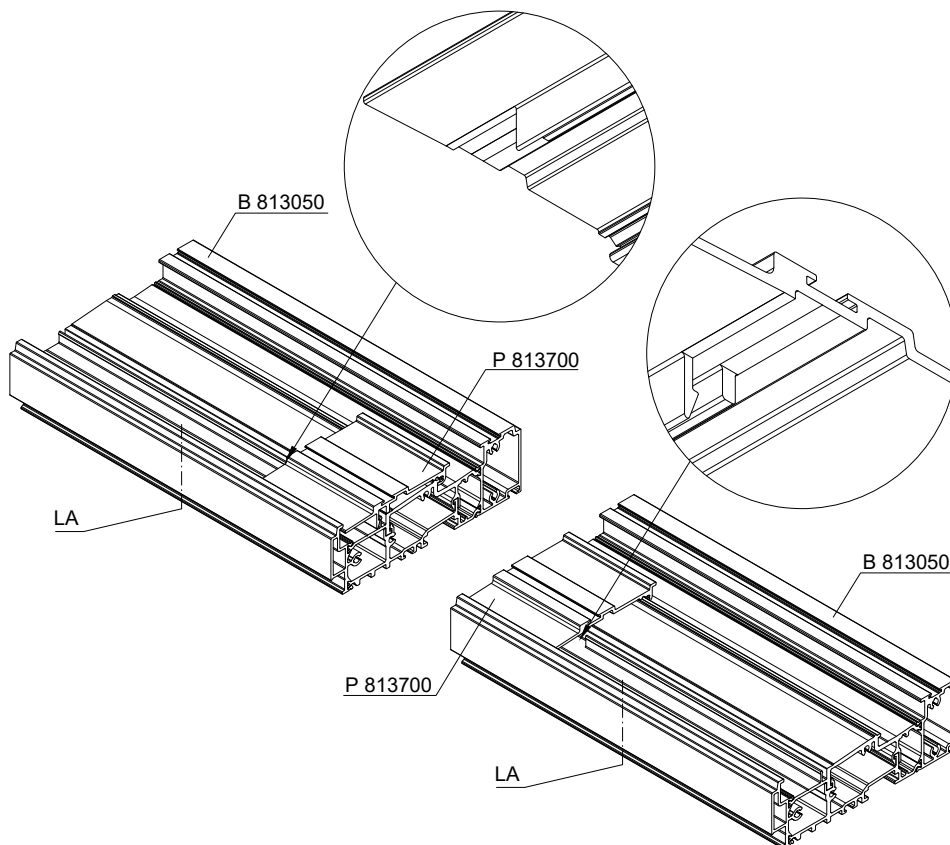
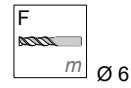
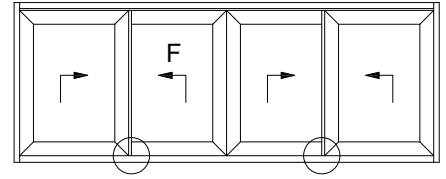
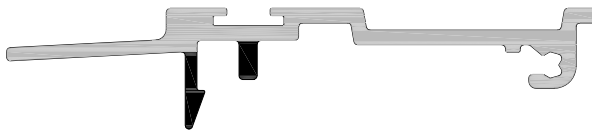
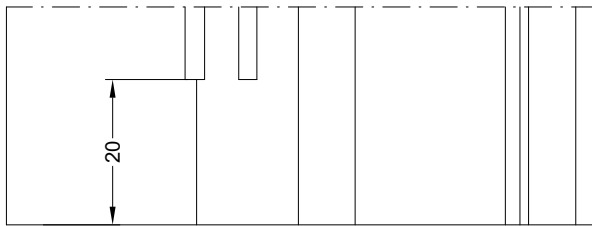
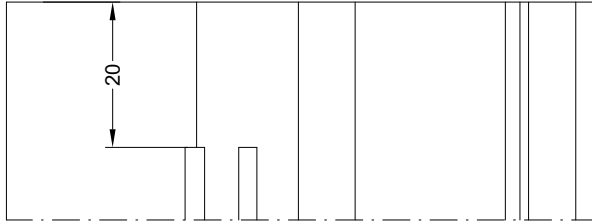
ENTWÄSSERUNG
DRAINAGE

P 813710



ENTWÄSSERUNG
 DRAINAGE

P 813700



BELÜFTUNG
 VENTILATION

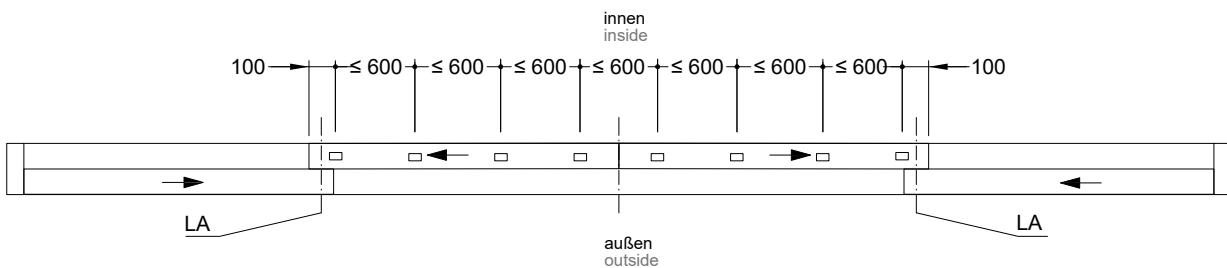
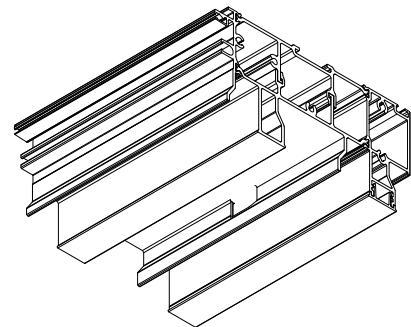
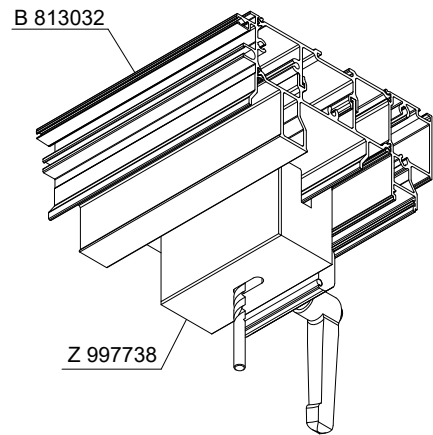
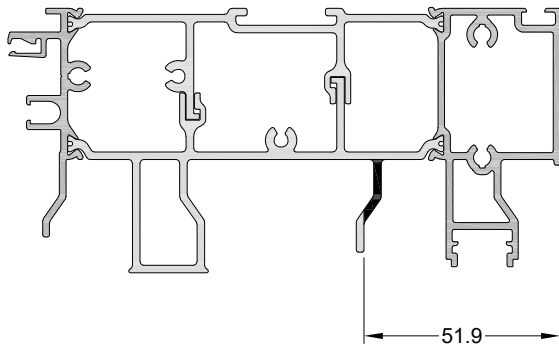
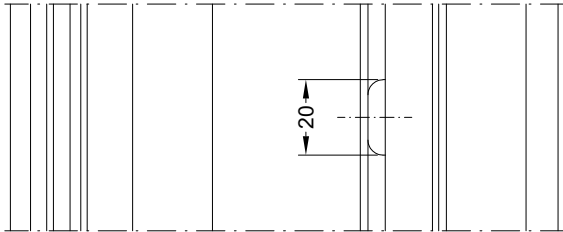
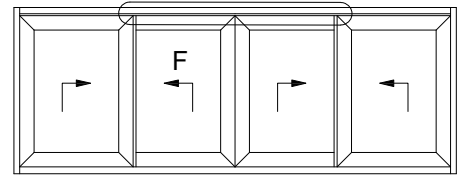
B 813032



Z 997738



Ø 6

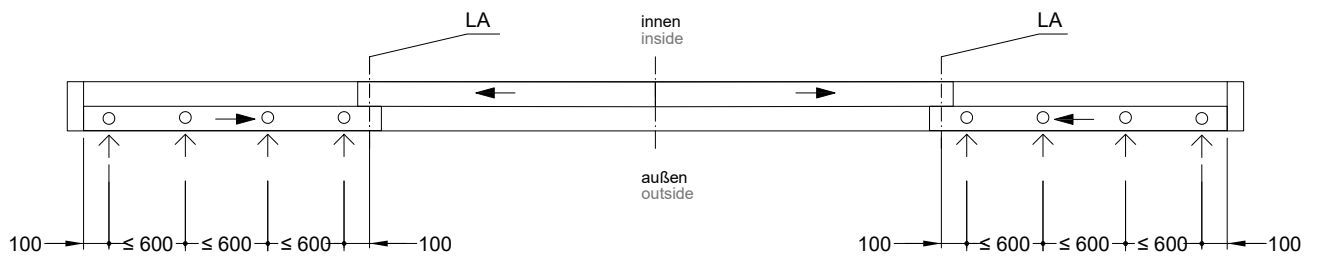
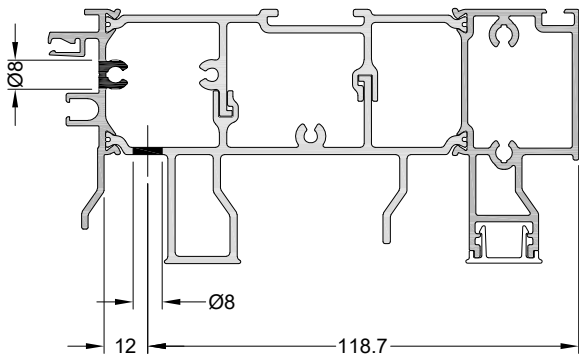
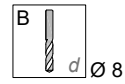
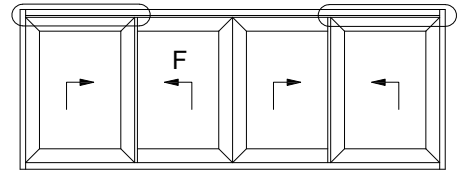
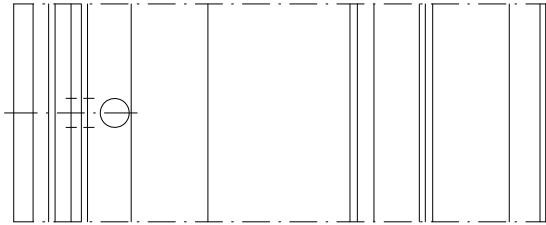


□ Fräsung Ø6

□ milling Ø6

BELÜFTUNG
 VENTILATION

B 813032

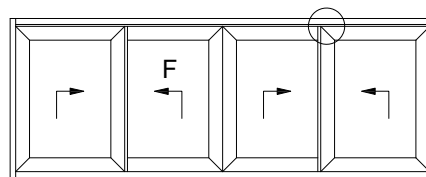


○ Bohrung Ø8
 ↑ Bohrung Ø8

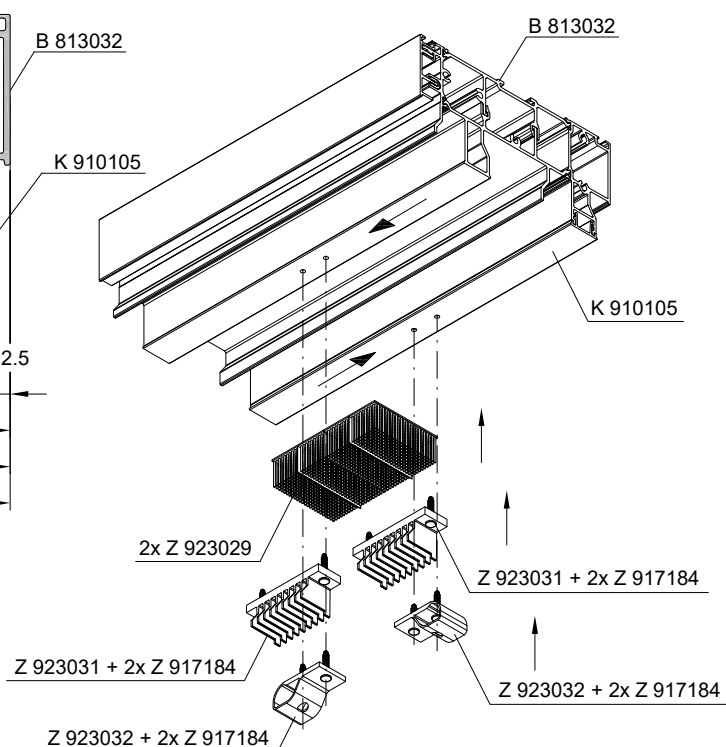
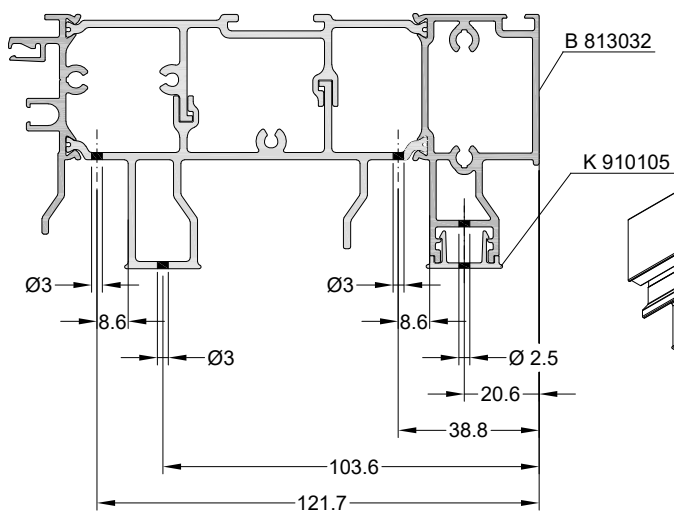
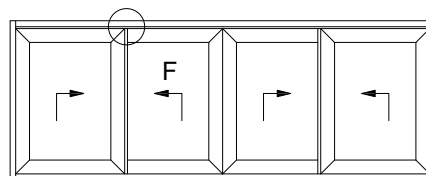
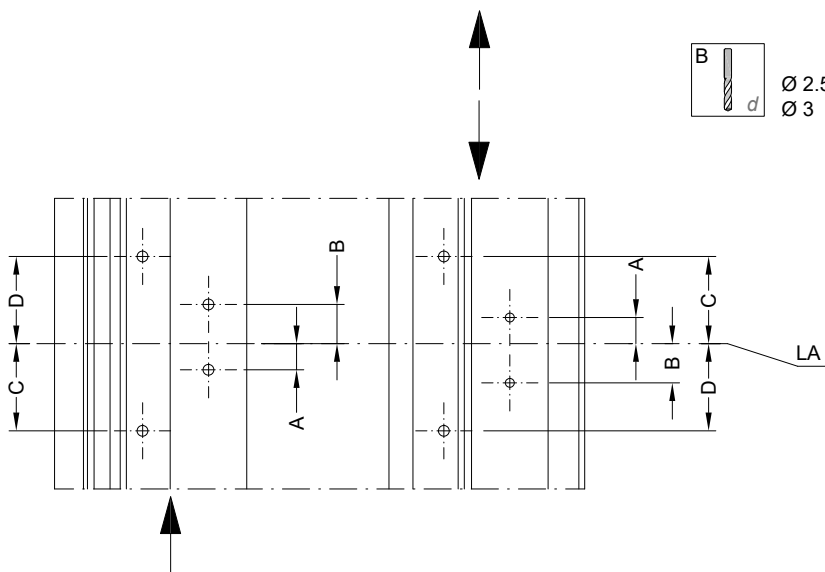
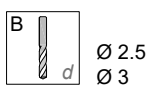
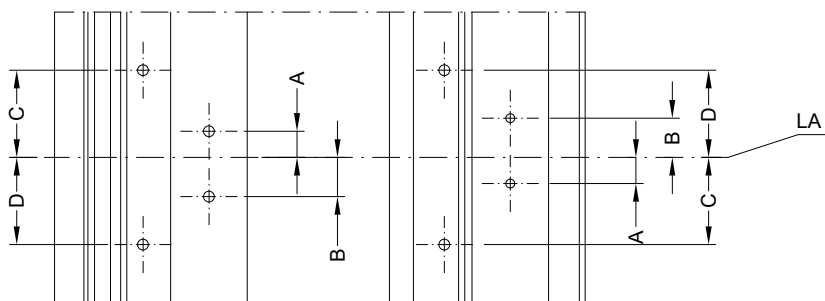
○ drill hole Ø8
 ↑ drill hole Ø8

DICHTFORMTEIL
 SHAPED GASKET PIECE

B 813032 + K 910105

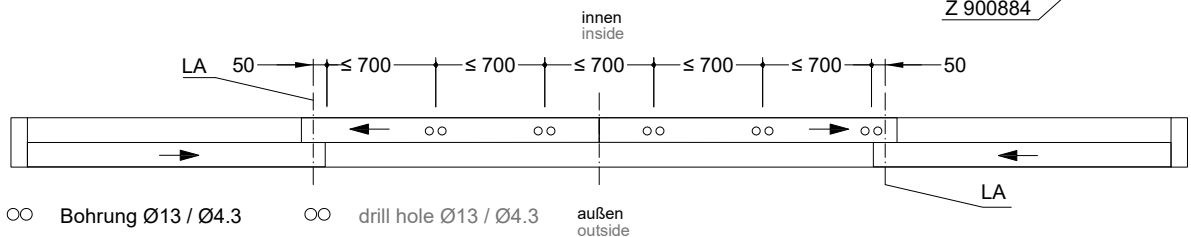
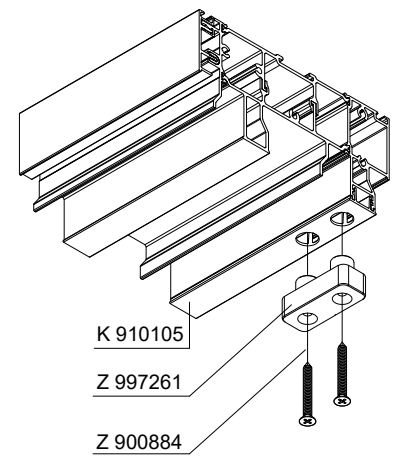
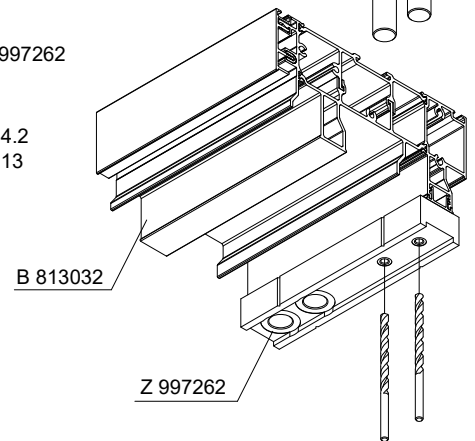
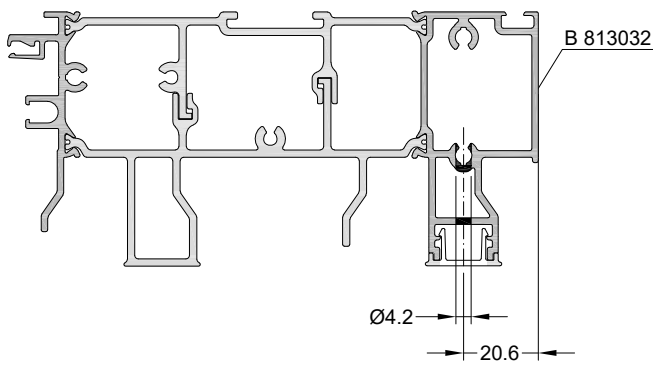
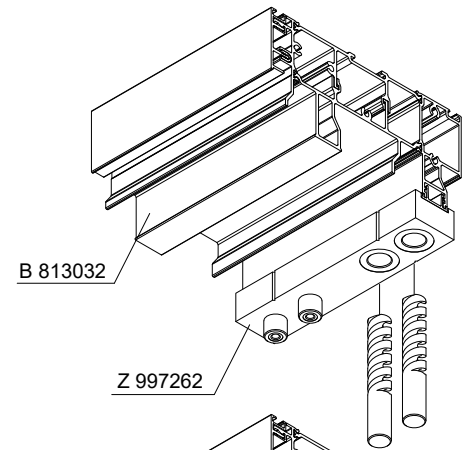
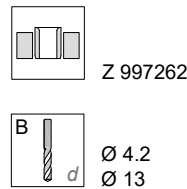
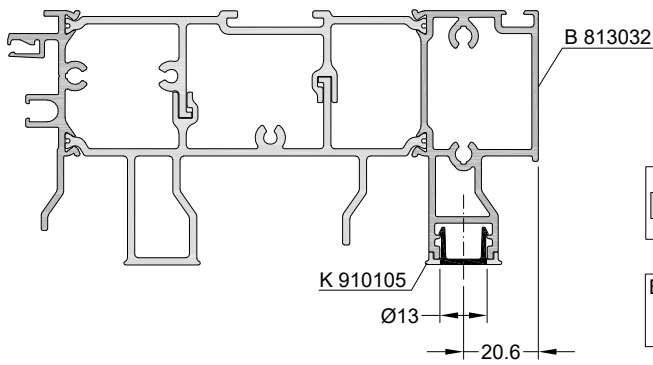
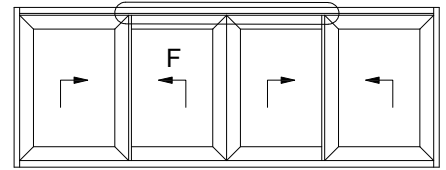
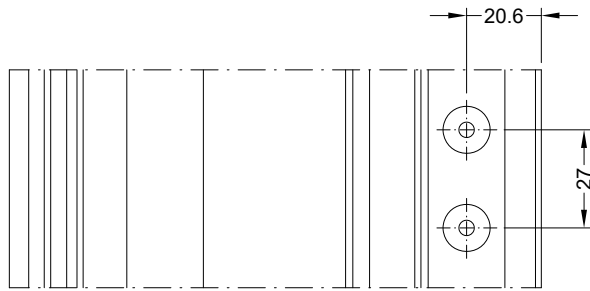


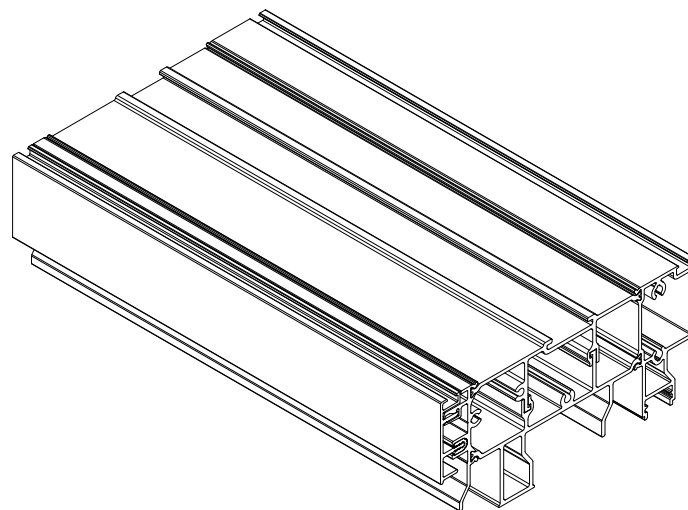
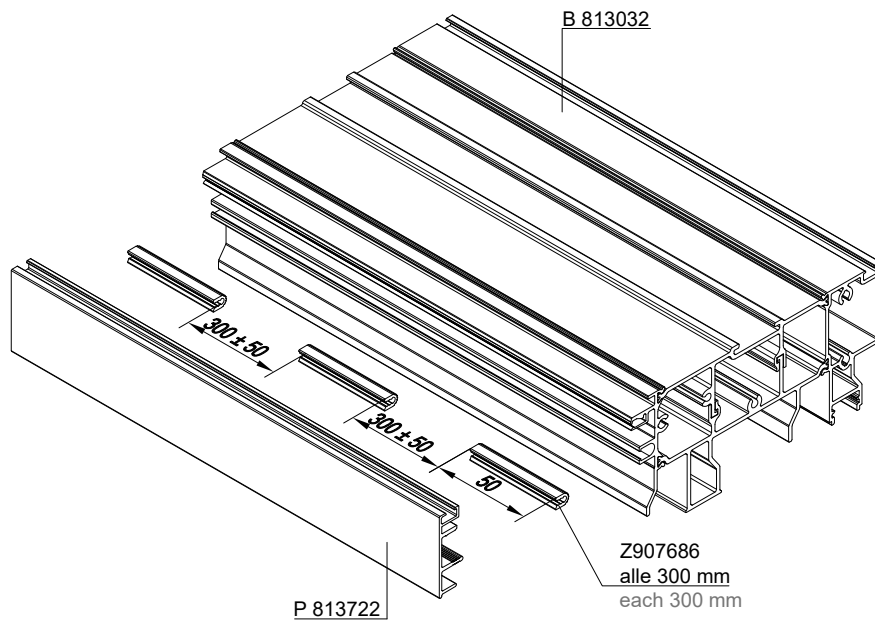
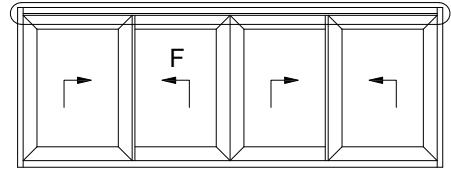
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B 813235				
B 813232	13	5	30	18
B 813233				



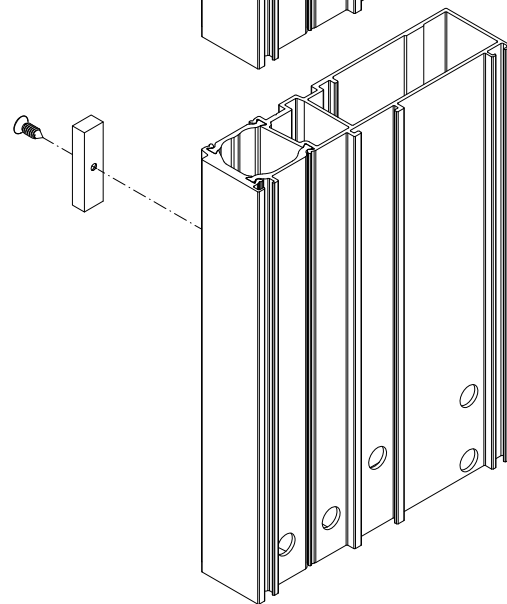
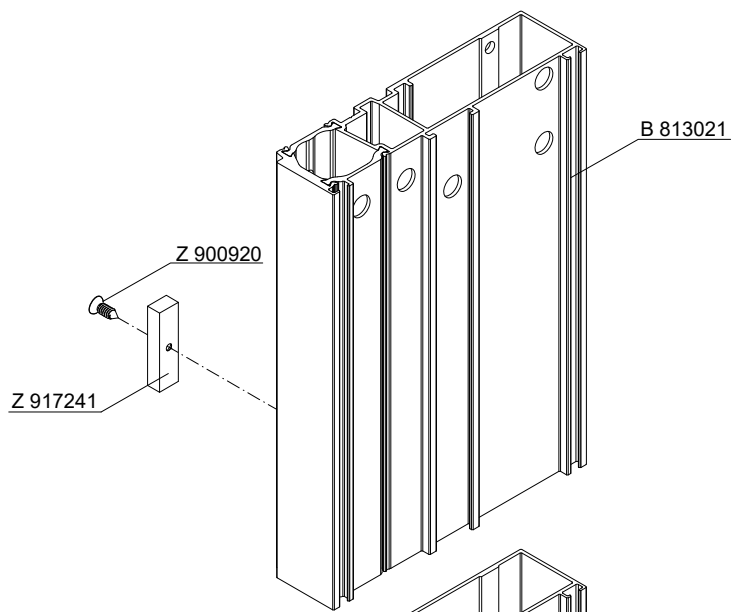
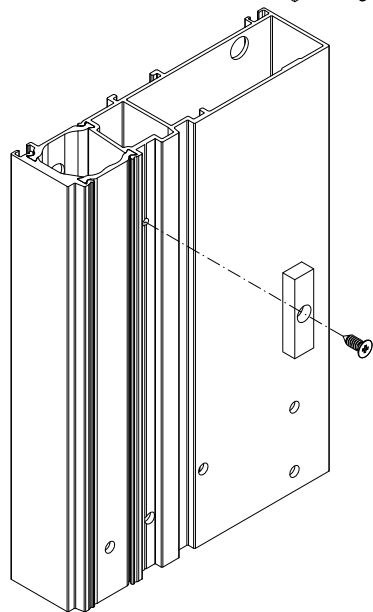
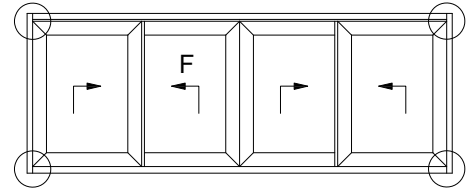
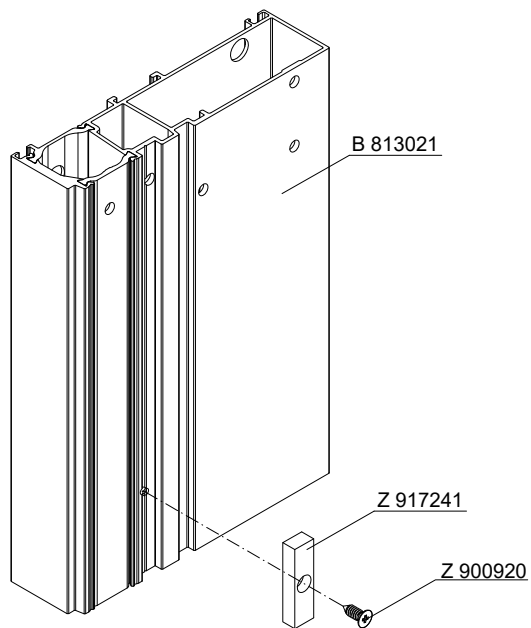
Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa

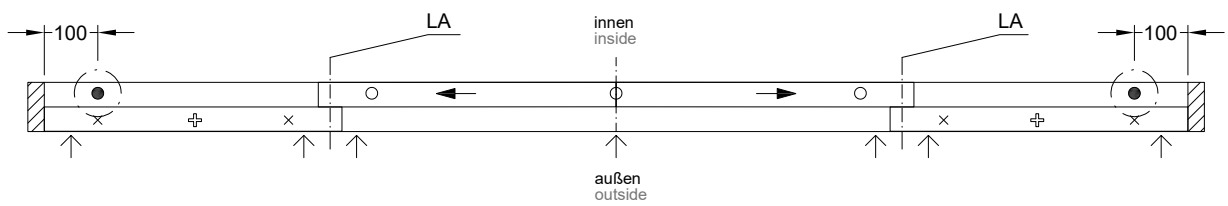
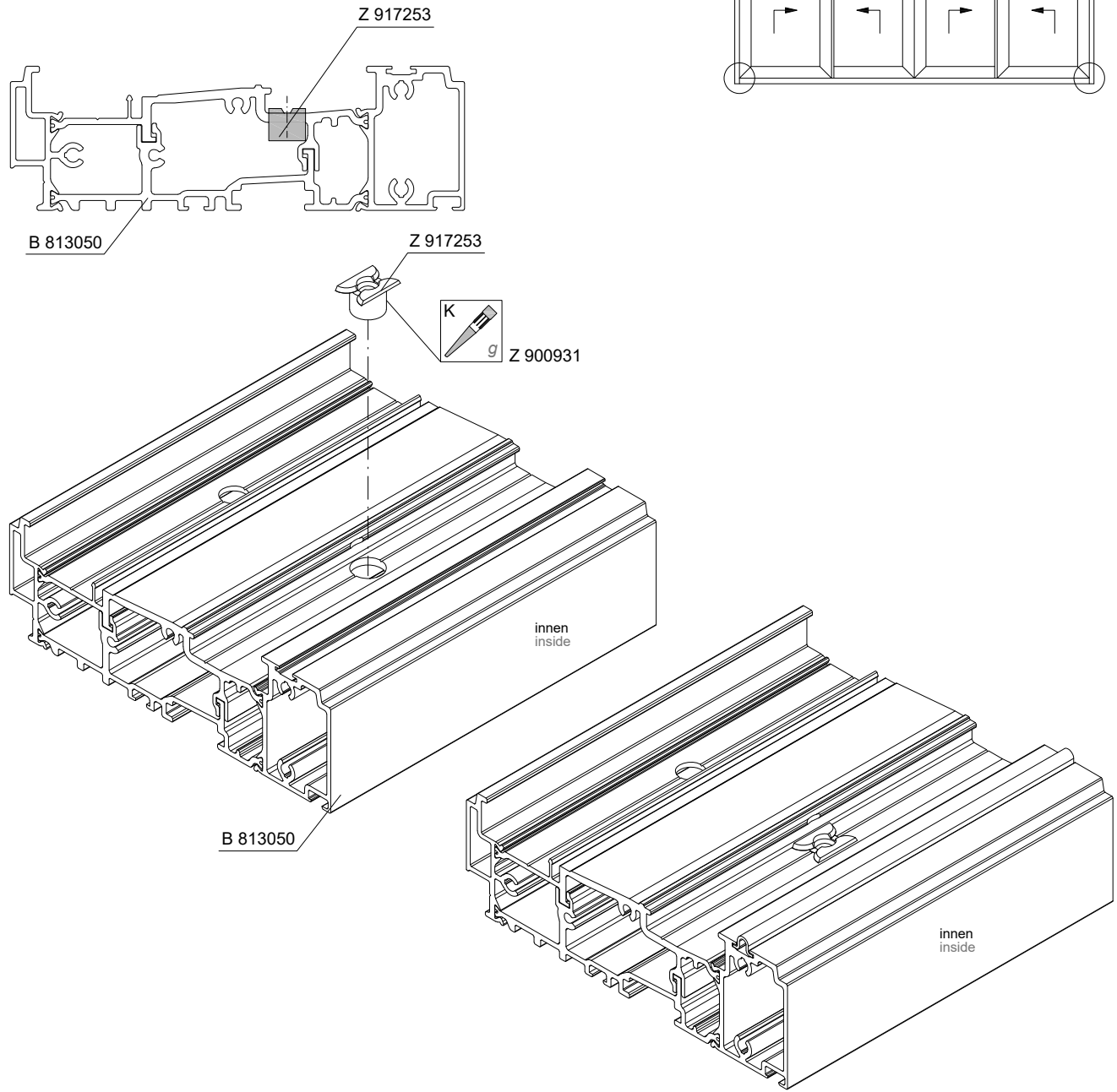
B 813032 + K 910105

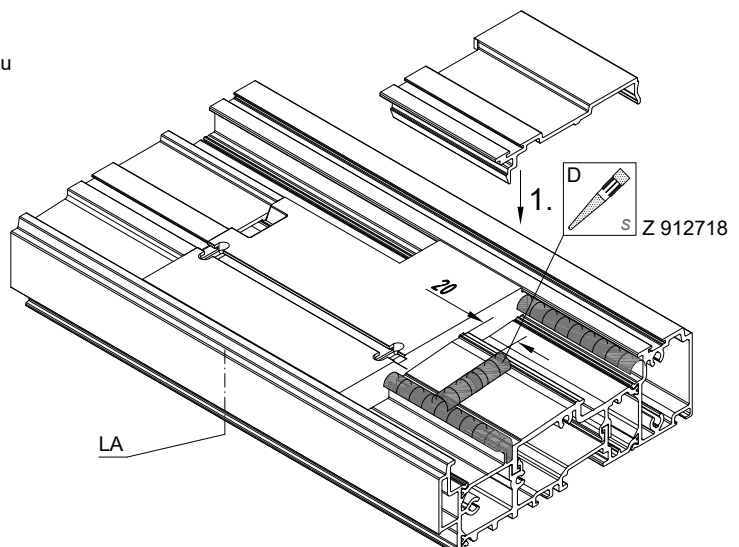
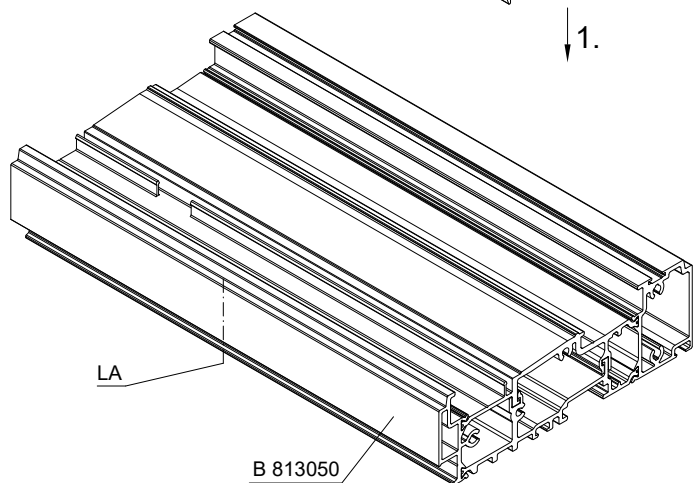
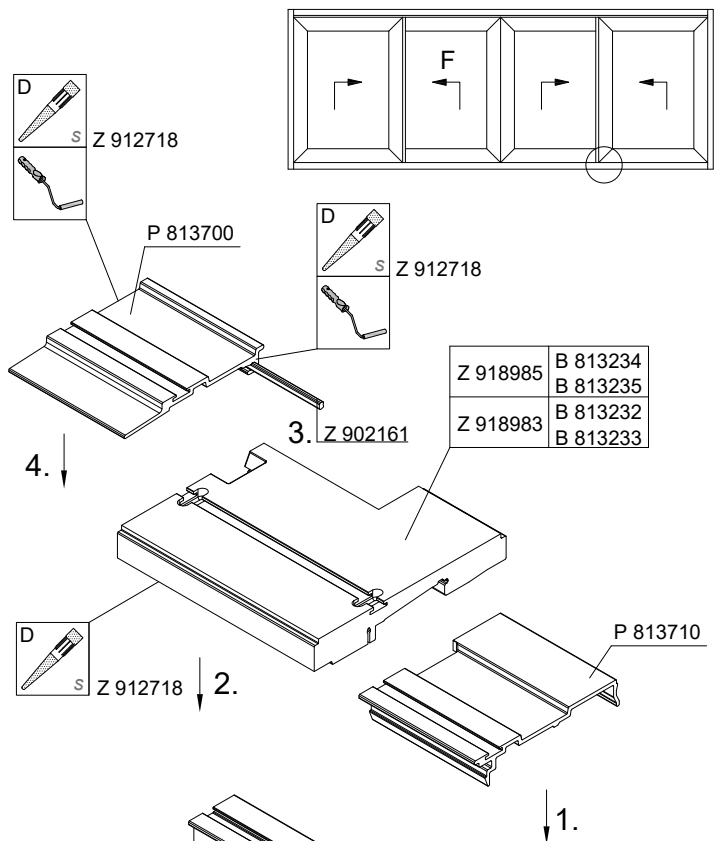
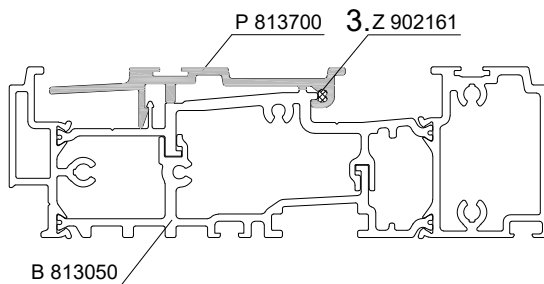
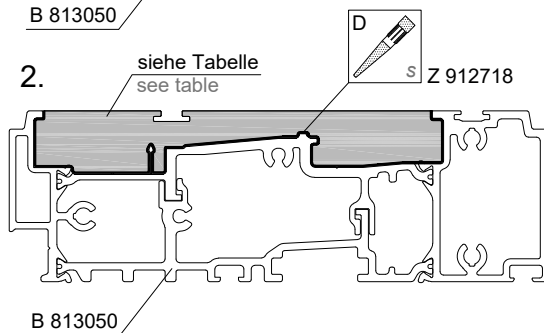
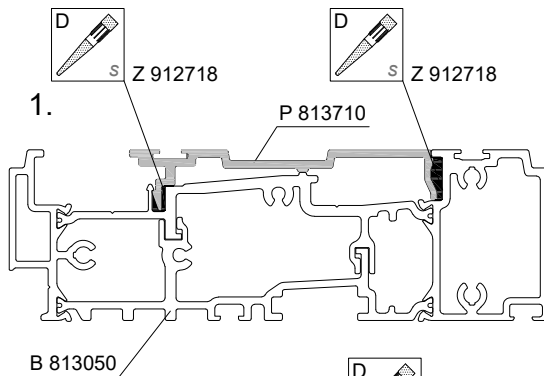




MONTAGE • ANSCHLAGPUFFER
 ASSEMBLY • STOP BUFFER





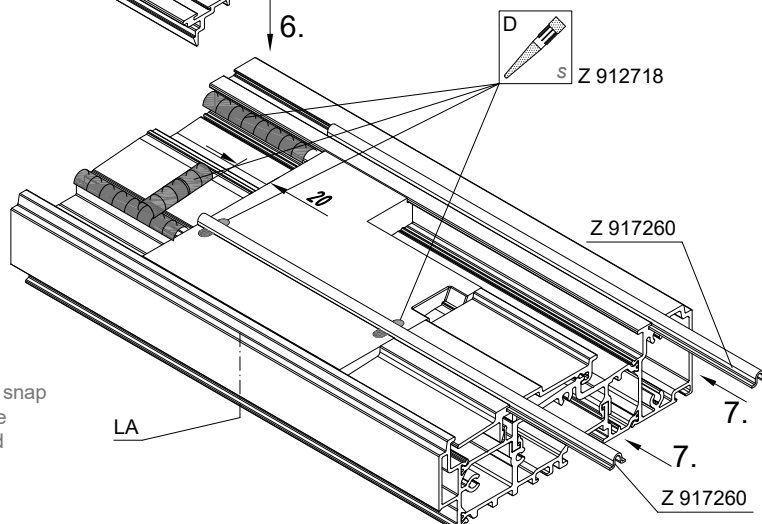
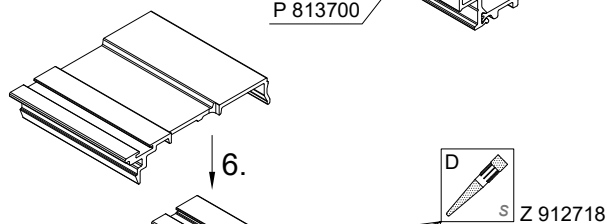
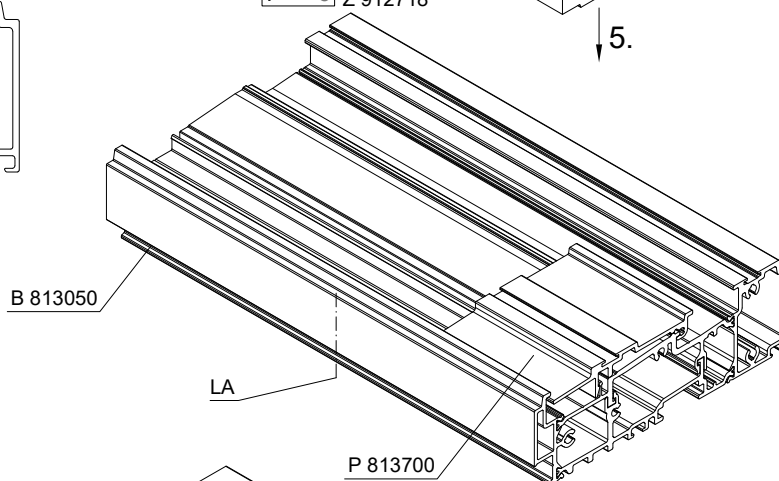
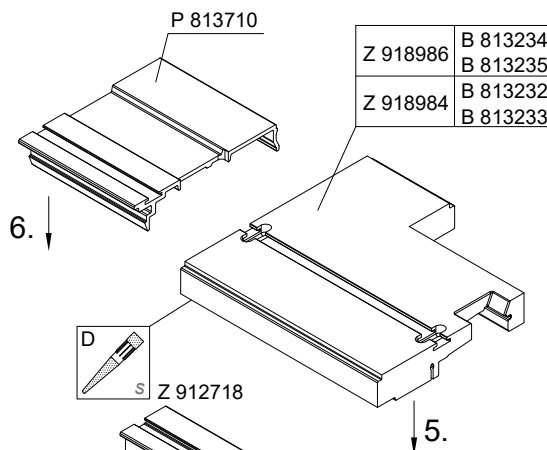
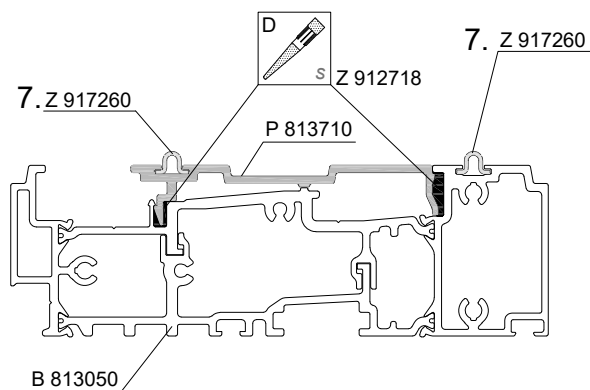
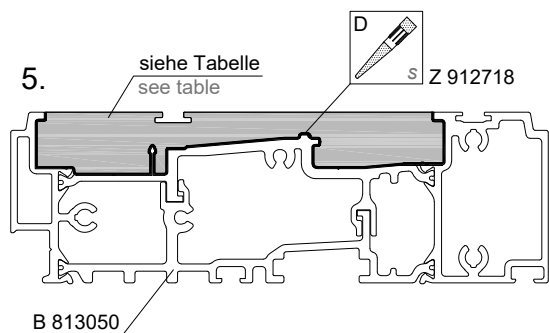
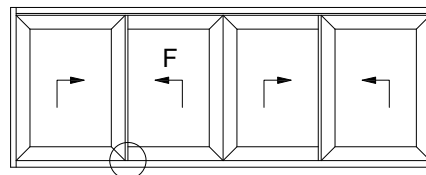


1. Bearbeitungsschritte Schema F

2. Dichtstoff auf Blendrahmen B 813050 aufbringen und Profil P 813710 von außen gesehen rechts bündig auf B 813050 einklipsen
3. Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu P 813710 einsetzen
4. Dichtungsroundschnur Z 902161 in P 813700 eindrücken
5. Dichtstoff beidseitig auf Profil P 813700 aufbringen und Profil P 813700 bündig zum Dichtungsformteil einklipsen

Processing steps scheme F

1. Apply sealing compound on fixed frame B 813050 and snap on P 813710 flush with B 813050 (right side, seen from the outside)
2. Fix the shaped gasket piece (see table) with sealing compound flush to P 813710
3. Insert gasket cord Z 902161 in profile P 813700
4. Apply sealing compound on each side of profile P 813700 and snap on the profile P 813700 flush with shaped gasket piece



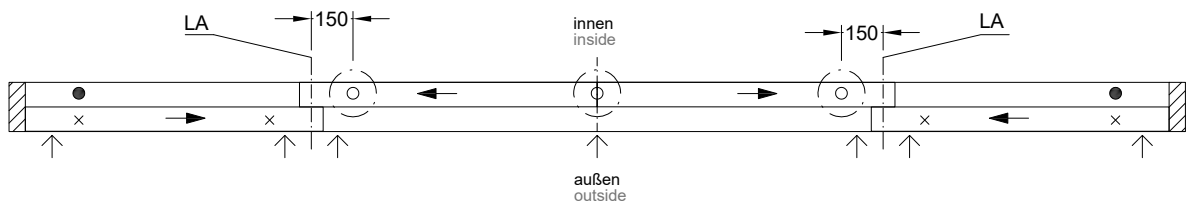
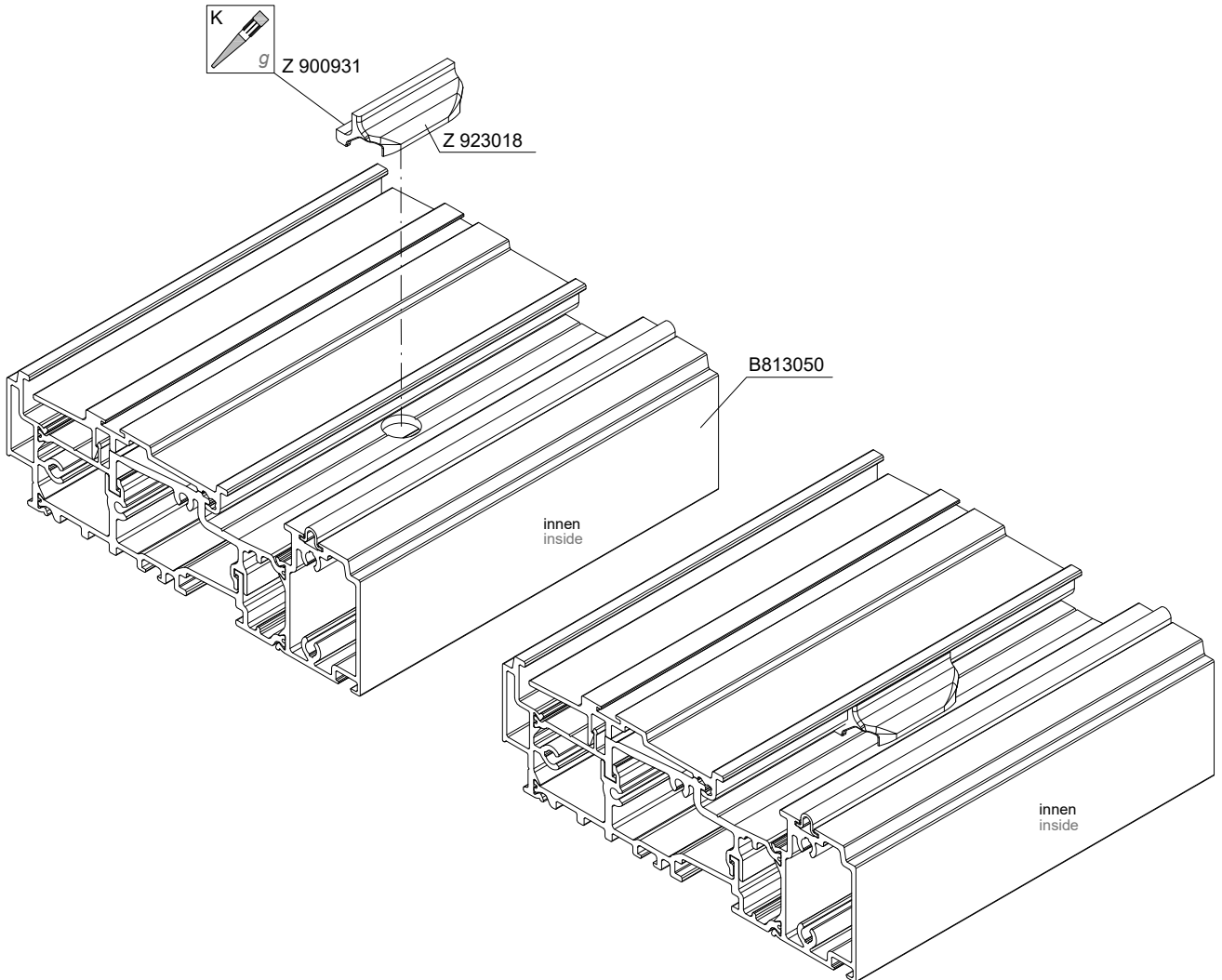
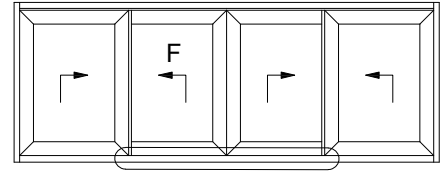
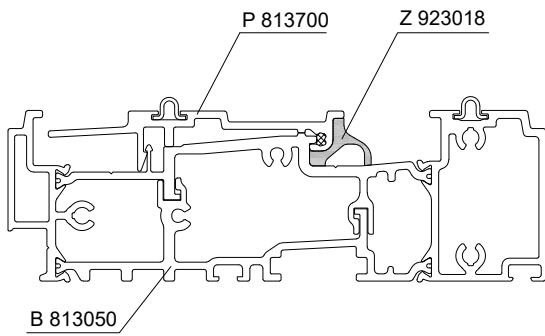
Bearbeitungsschritte Schema F

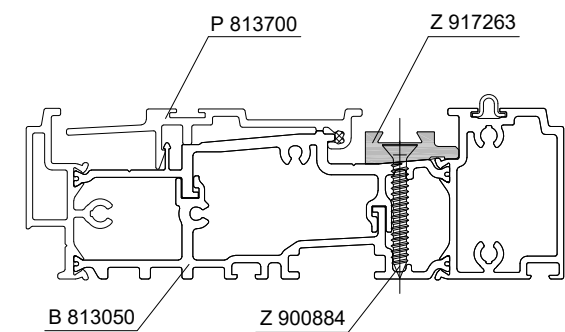
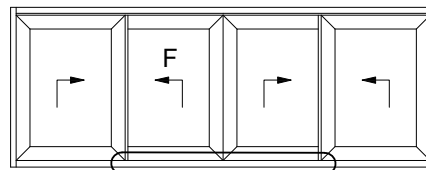
5. Dichtungsformteil (siehe Tabelle) mit Dichtstoff bündig zu P 813700 einsetzen
6. Dichtstoff auf Blendrahmen B 813050 aufbringen und Profil P 813710 bündig zum Dichtungsformteil einklipsen
7. Laufschiene Z 917260 einschieben und abdichten

Processing steps scheme F

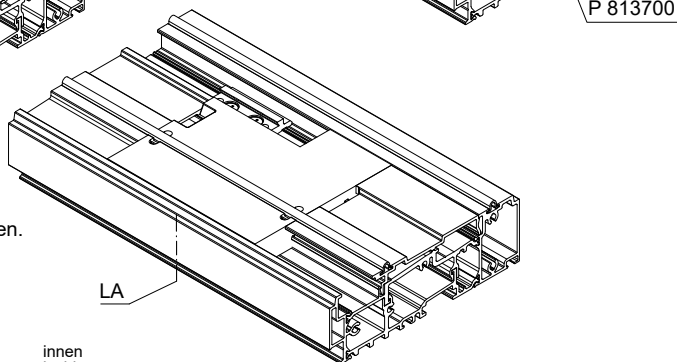
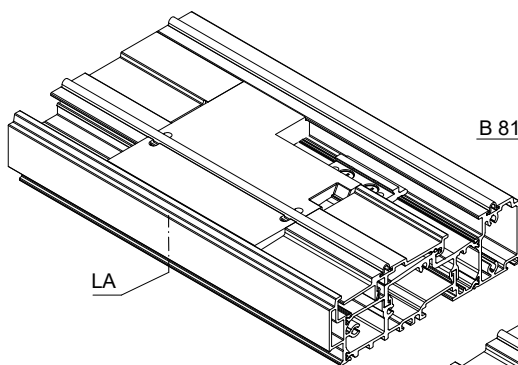
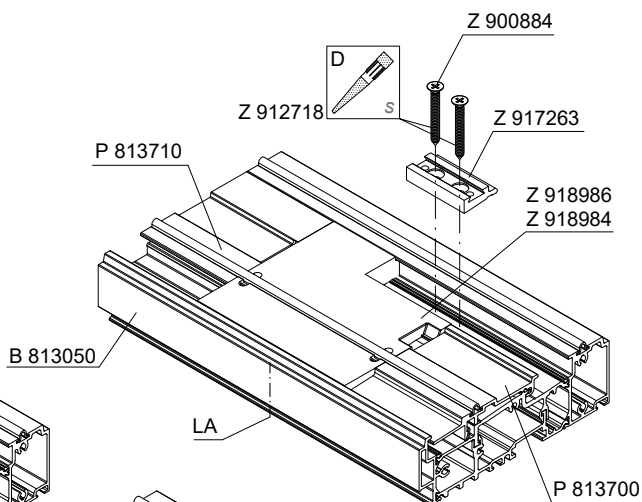
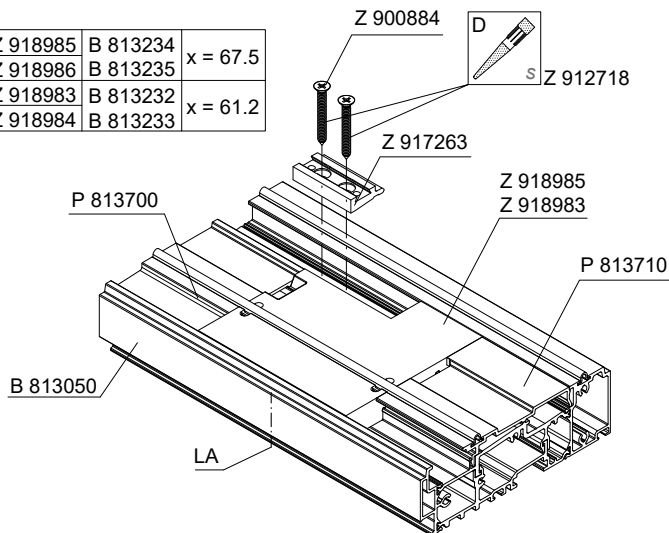
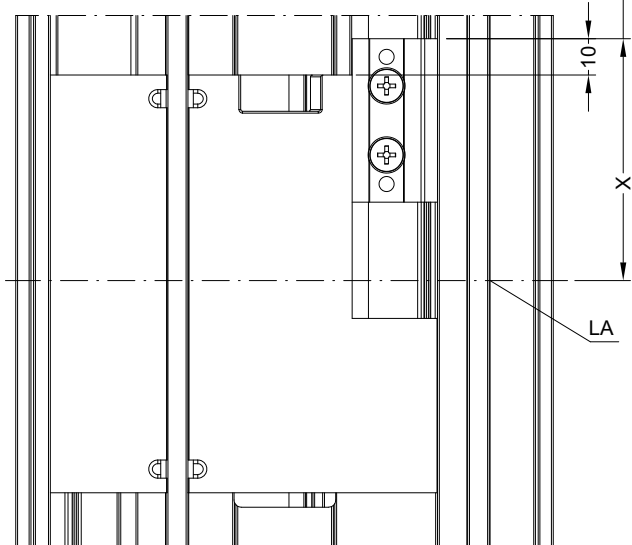
5. Fix the shaped gasket piece (see table) with sealing compound flush to P 813700
6. Apply sealing compound to fixed frame B 813050 and snap on the profile P 813710 flush with shaped gasket piece
7. Slide in the rail Z 917260 and insert sealing compound

MONTAGE • BELÜFTUNG / ENTWÄSSERUNG
 ASSEMBLY • VENTILATION / DRAINAGE





Z 918985	B 813234	x = 67.5
Z 918986	B 813235	
Z 918983	B 813232	x = 61.2
Z 918984	B 813233	

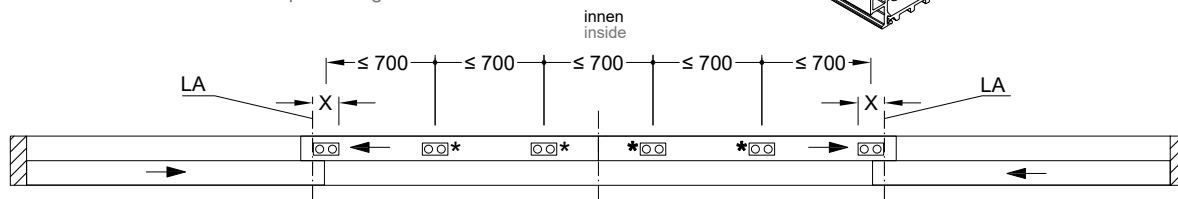


Bearbeitungsschritte Schema F

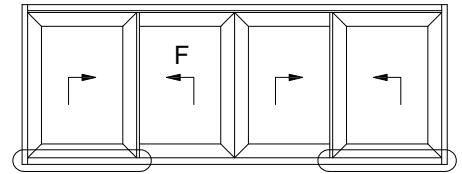
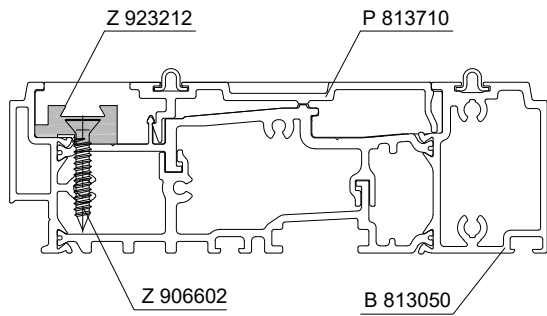
1. Unterteil Z 917263 in Profil B 813050 einsetzen
2. Mit Senkblechschrauben Z 900884 ohne vorbohren verschrauben.

Processing steps scheme F

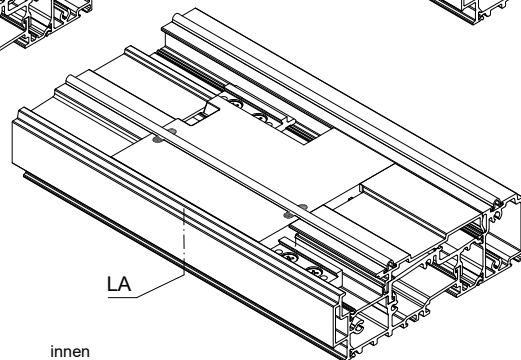
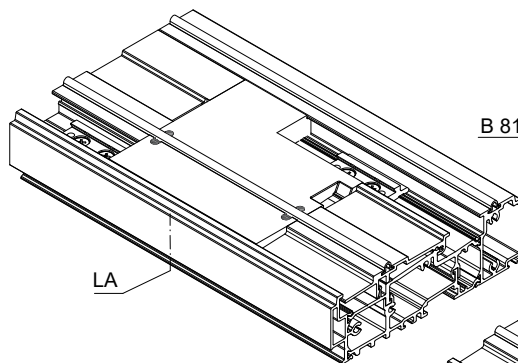
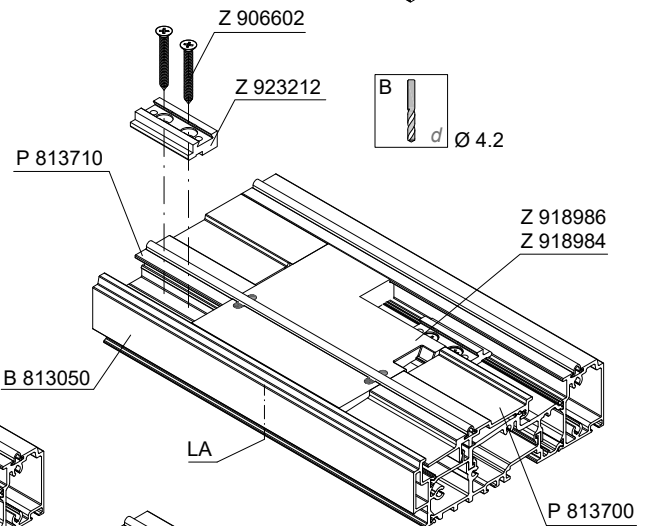
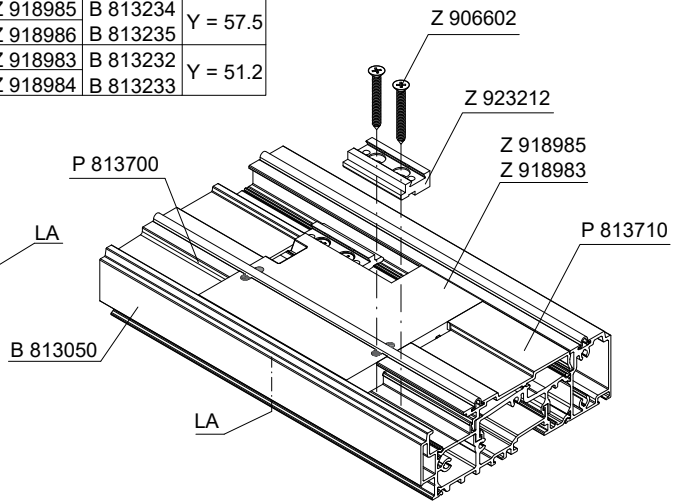
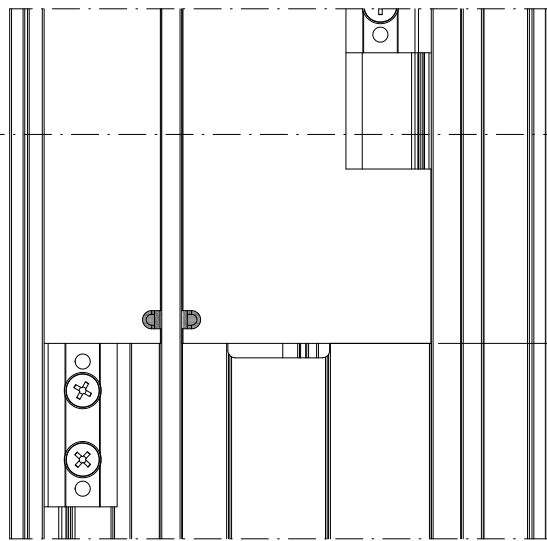
1. Insert base part Z 917263 into profile B 813050
2. Fix it with screws Z 900884 without pre-drilling.



* Verwendung weiterer Zusatzverriegelungen
 nur bei Windlasten ab 2000 Pa erforderlich
 * Use of further additional locking systems
 only required for wind loads from 2000 Pa



Z 918985	B 813234	Y = 57.5
Z 918986	B 813235	
Z 918983	B 813232	Y = 51.2
Z 918984	B 813233	

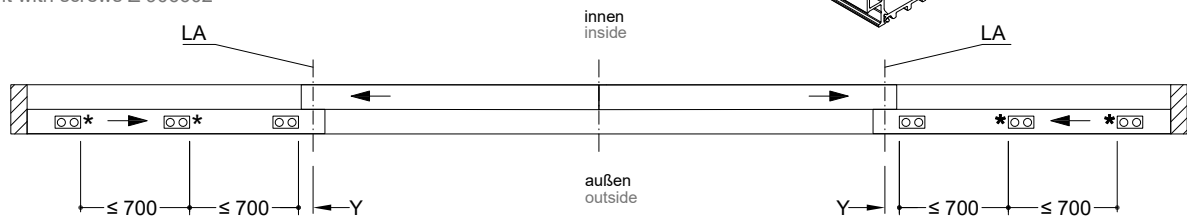


Bearbeitungsschritte Schema F

1. Unterteil Z 923212 in Profil B 813050 einsetzen
2. Mit Ø 4.2 vorbohren
3. Mit Senkblechschrauben Z 906602 verschrauben

Processing steps scheme F

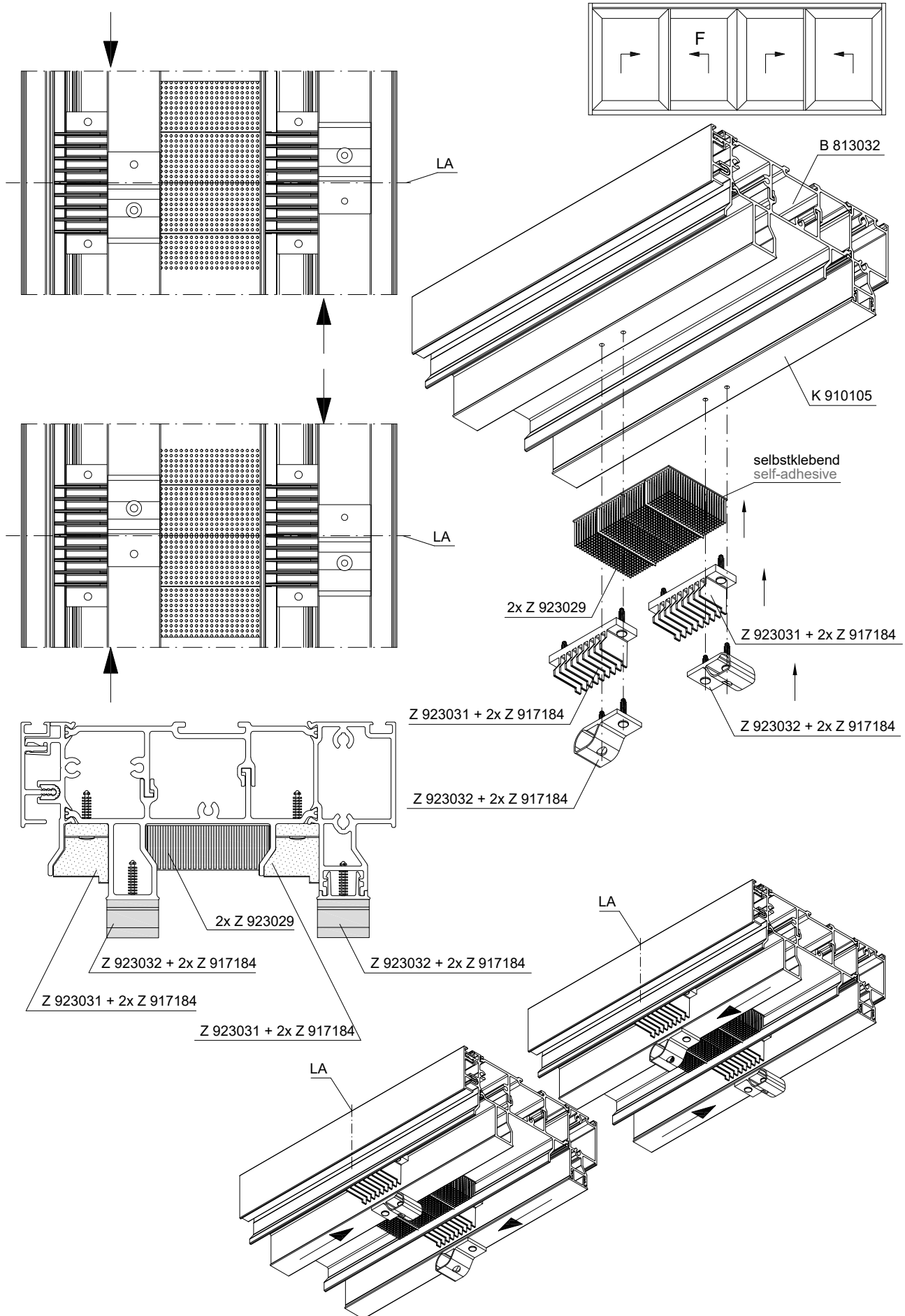
1. Insert base part Z 923212 into profile B 813050
2. Pre-drill with Ø 4.2
2. Fix it with screws Z 906602



* Verwendung weiterer Zusatzverriegelungen nur bei Windlasten ab 2000 Pa erforderlich

* Use of further additional locking systems only required for wind loads from 2000 Pa

MONTAGE • DICHTFORMTEILE
 ASSEMBLY • SHAPED GASKET PIECES



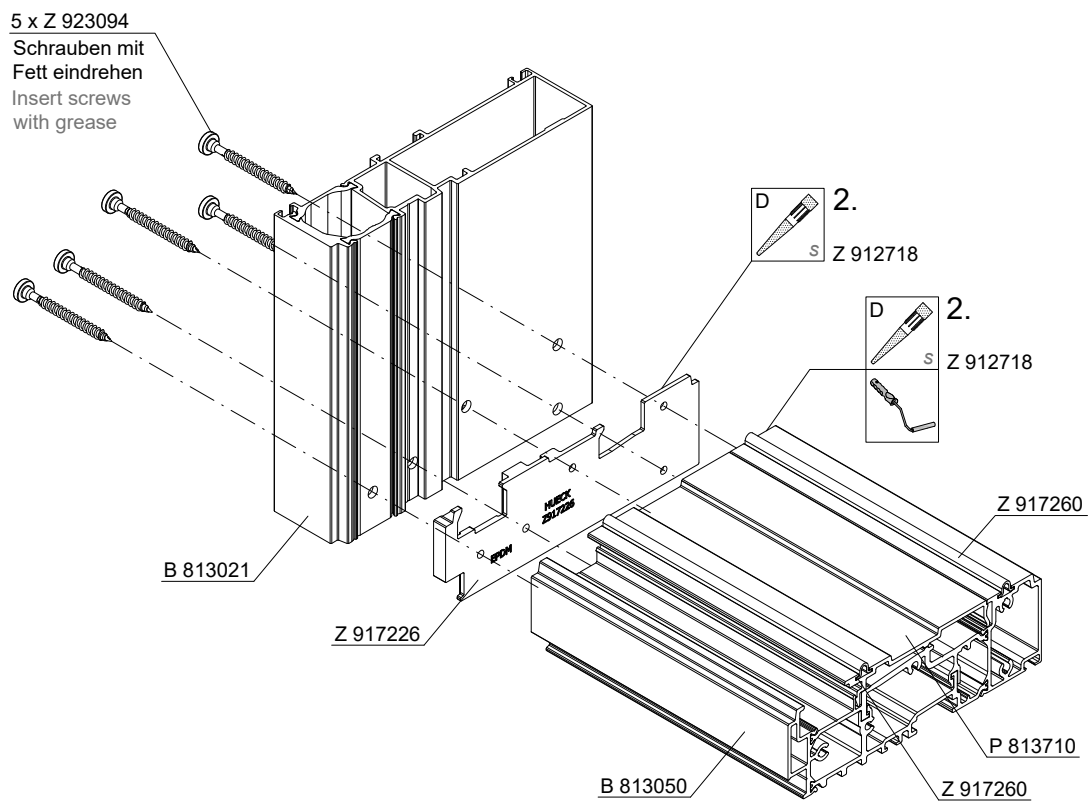
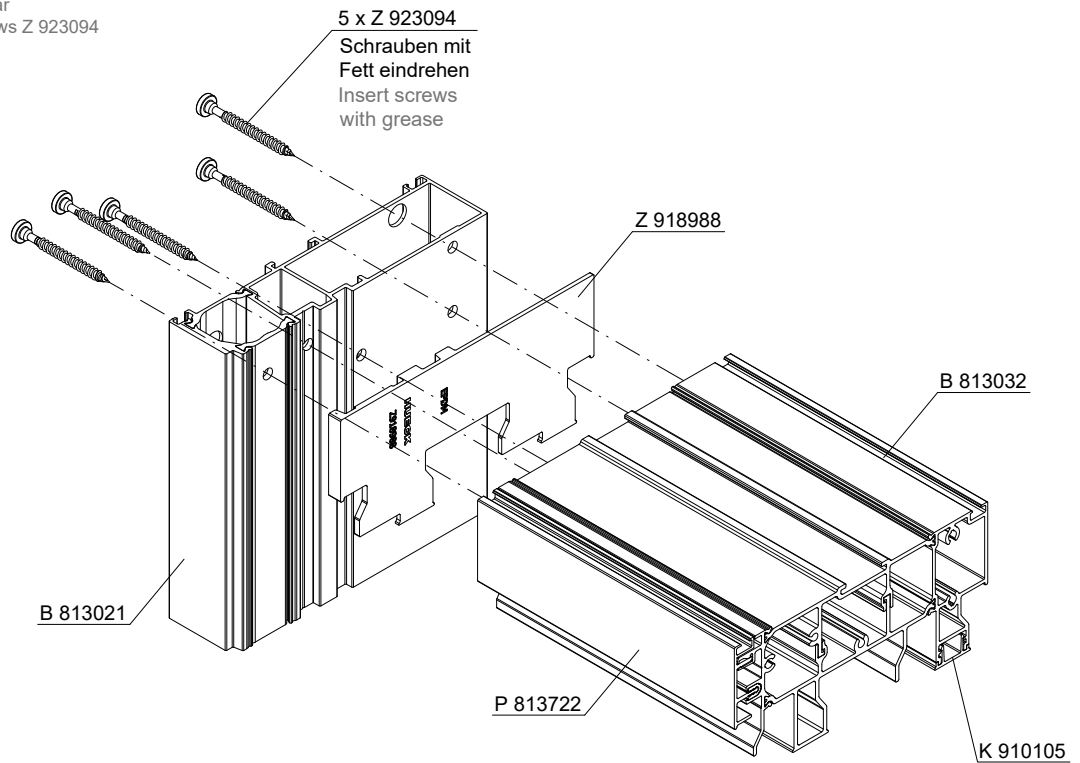
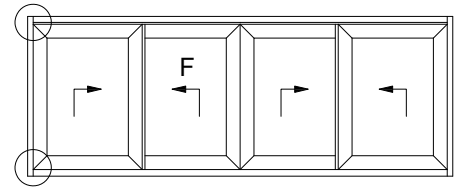
MONTAGE • ECKVERBINDUNGEN
ASSEMBLY • CORNER CONNECTIONS

Bearbeitungsschritte

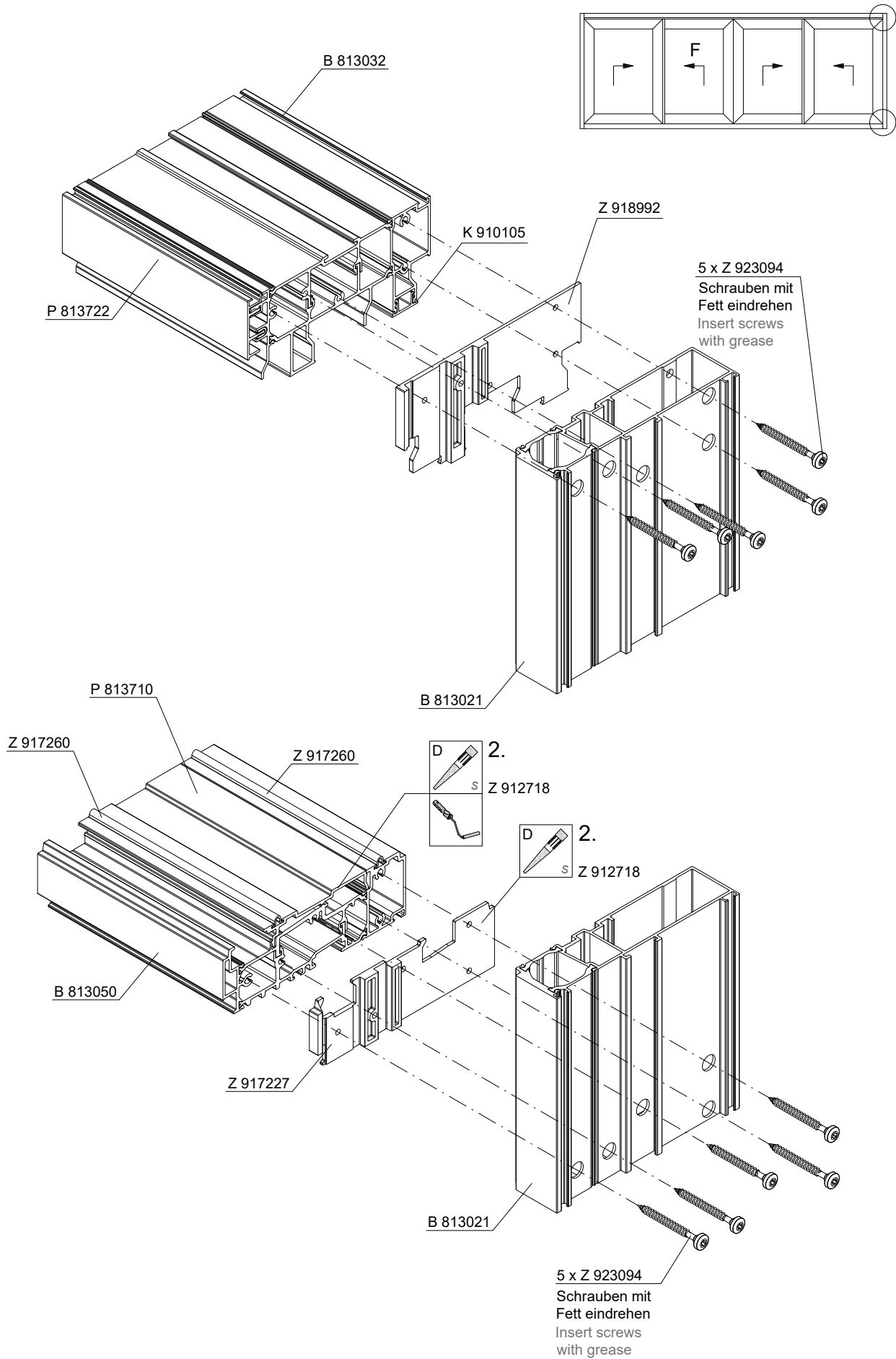
1. Dämmkern in Blendrahmen B 813021 einschieben (optional)
2. Dichtstoff auf Dichtformteil und Blendrahmen aufbringen und Dichtformteile einlegen
3. Profile rechtwinklig ausrichten
4. Profile mit Schrauben Z 923094 verschrauben

Processing steps

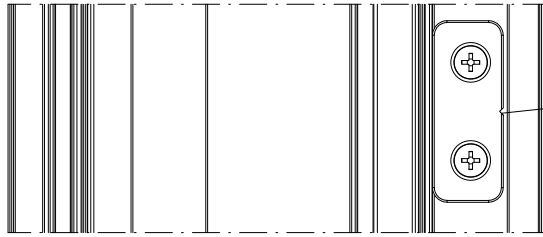
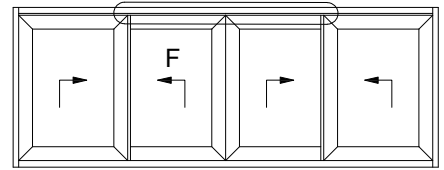
1. Insert insulating core into fixed frame B 813021 (optionally)
2. Apply sealing compound to shaped gasket piece and fixed frame and assemble the shaped gasket pieces
3. Adjust profiles rectangular
4. Fix the profiles with screws Z 923094



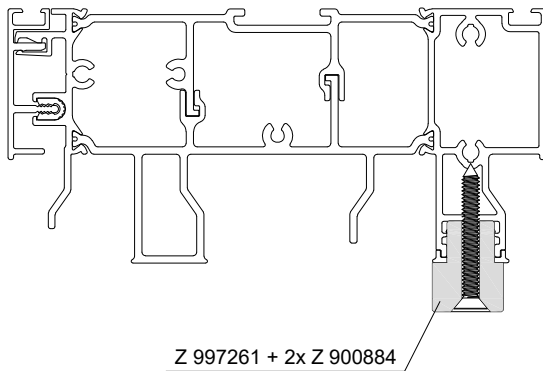
MONTAGE • ECKVERBINDUNGEN
 ASSEMBLY • CORNER CONNECTIONS



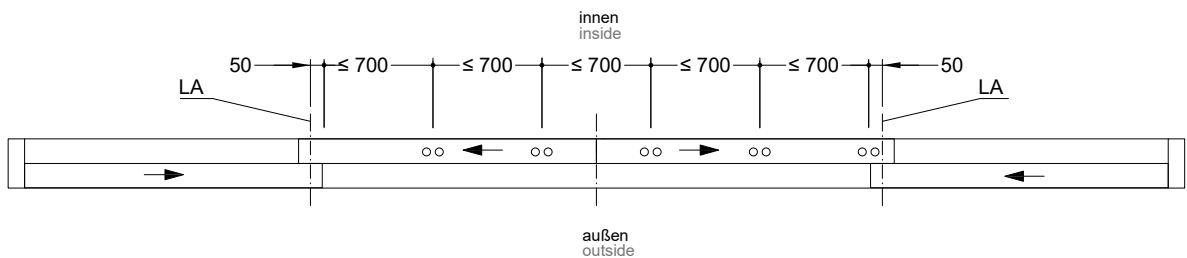
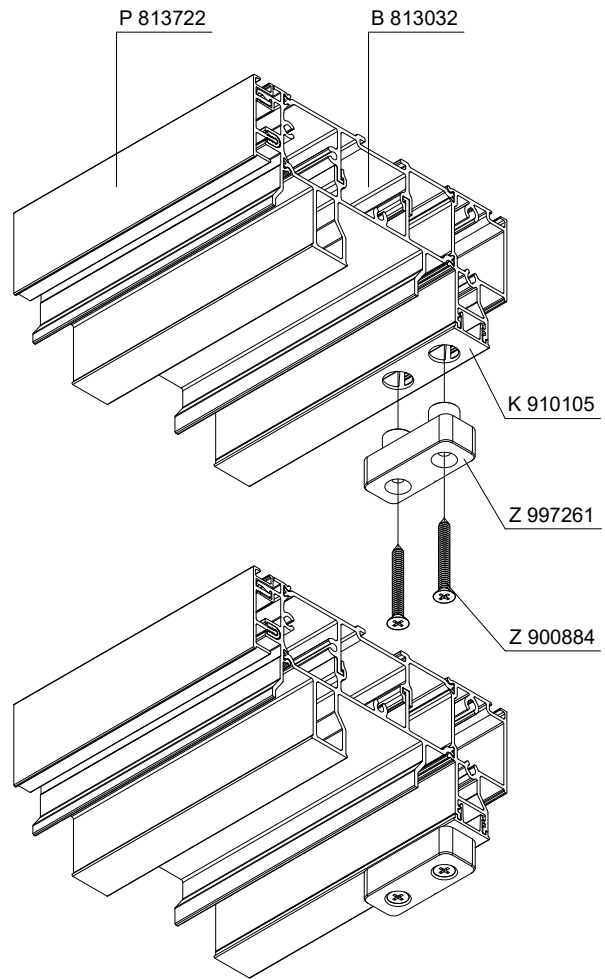
Nur bei Windlasten ab 2000 Pa erforderlich
 Only required for wind loads from 2000 Pa



Asymmetrisches Bauteil
 Markierung muss nach innen zeigen
 Asymmetrical component
 Mark must point inward

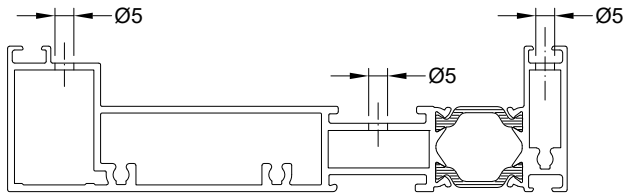


Z 997261 + 2x Z 900884



ADAPTERPROFIL B 813930 • GEHRUNGSSTOSS
 ADAPTER PROFILE B 813930 • MITRE-JOINT

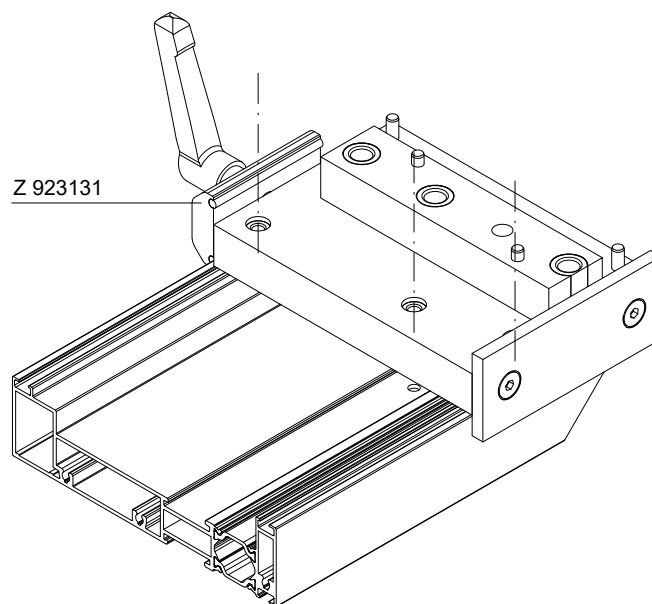
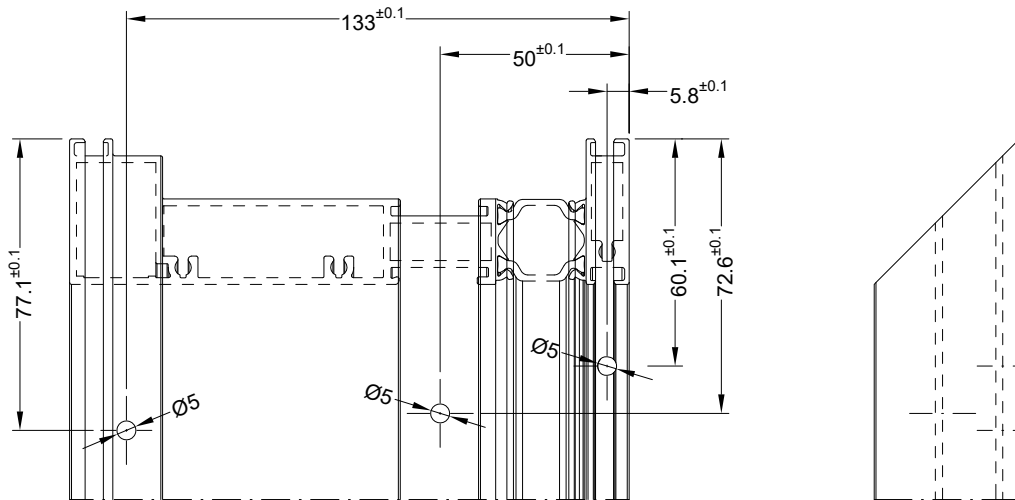
B 813930



Z 923131

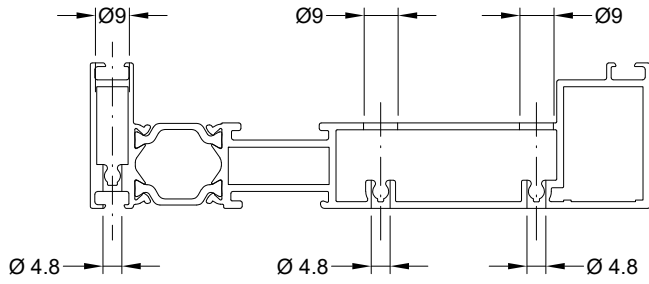


B
 d Ø5



ADAPTERPROFIL B 813930 • T-STOSS
ADAPTER PROFILE B 813930 • T-JOINT

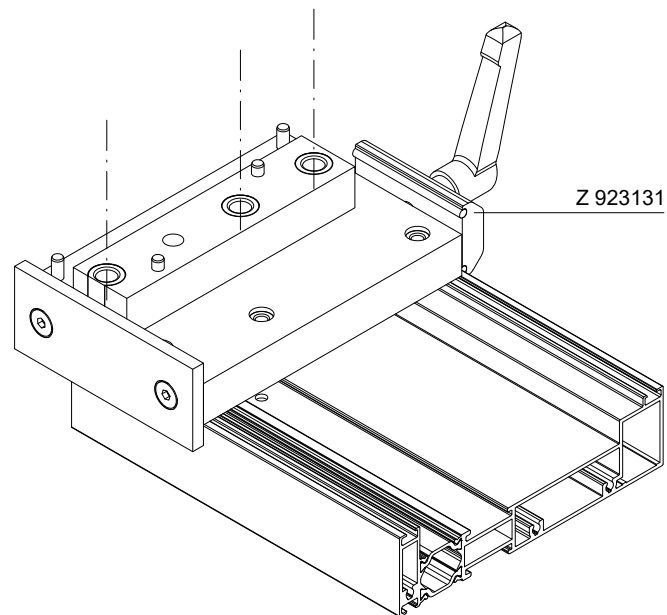
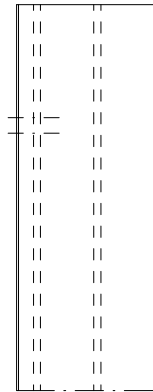
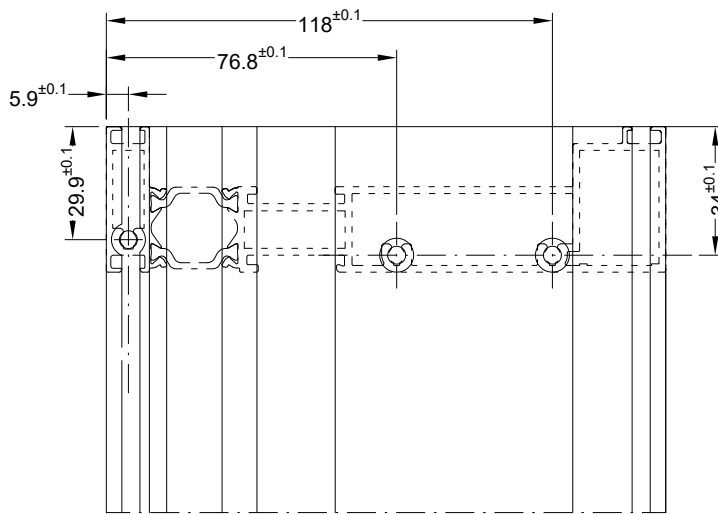
B 813930



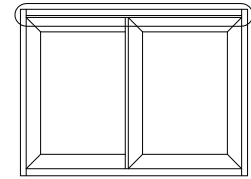
Z 923131



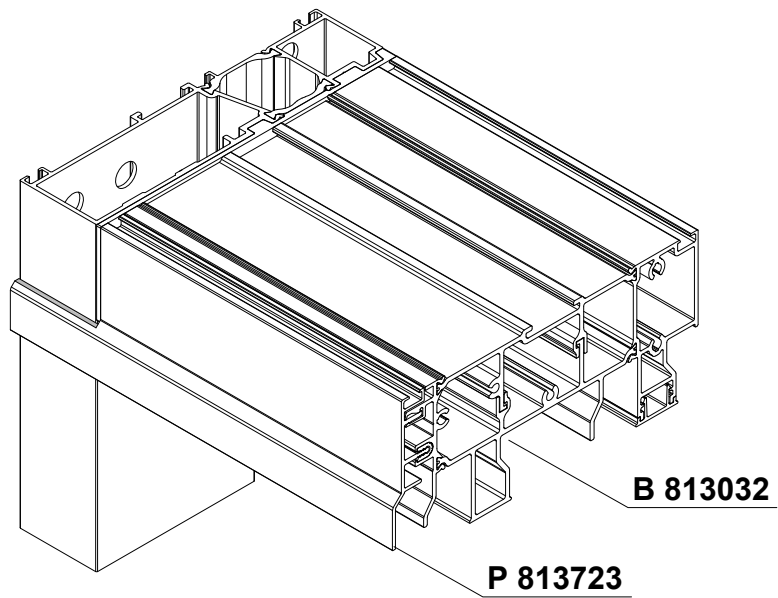
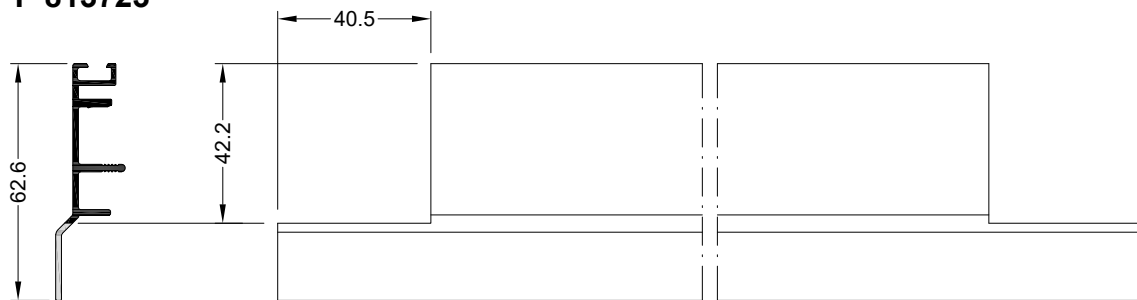
Z 923118
Ø 4.8 / Ø 9

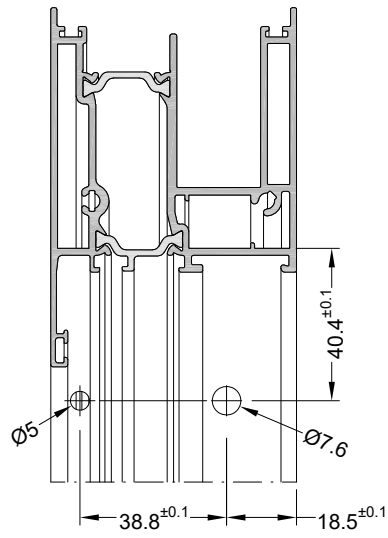


PROFILBEARBEITUNG P 813723
PROFILE PROCESSING P 813723



P 813723

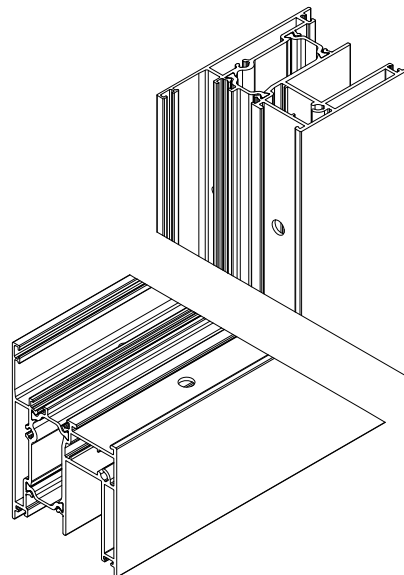
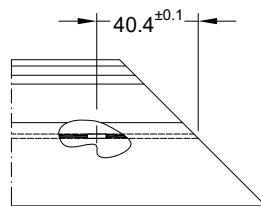




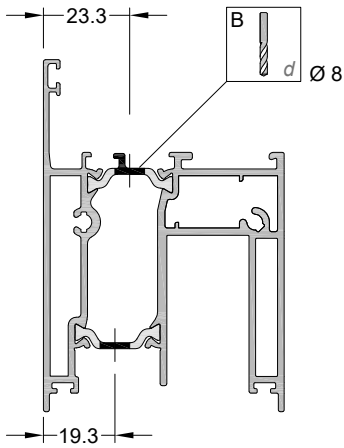
Ø 5 / Ø 7.6
Z 914709



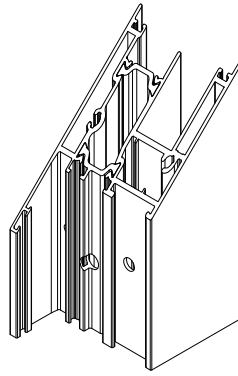
Z 996068
Z 994589 / Z 994590



DAMPFDRUCKAUSGLEICH BEI FLÜGELPROFILIEN OHNE DÄMMKERN
VAPOUR PRESSURE EQUALIZATION OF SASH PROFILES WITHOUT INSULATING CORE



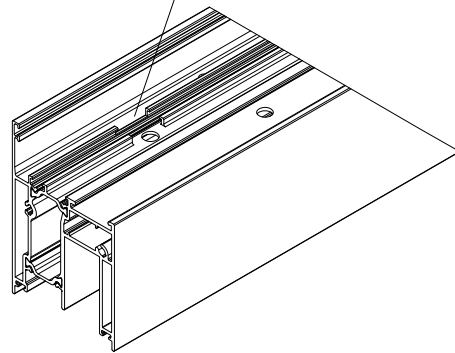
B 813232 B 813233
(B 813234 B 813235)



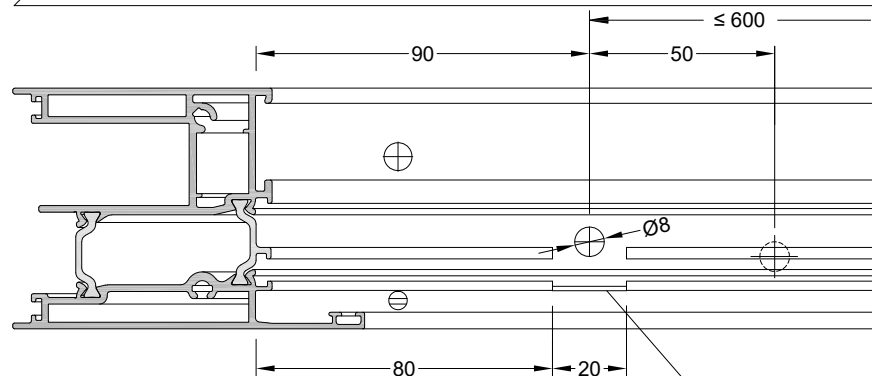
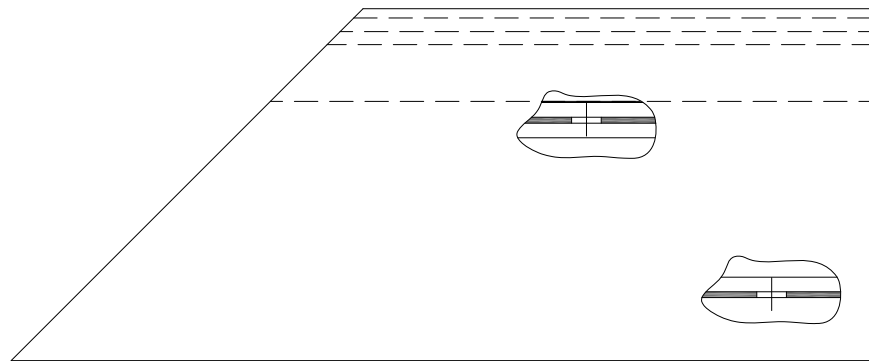
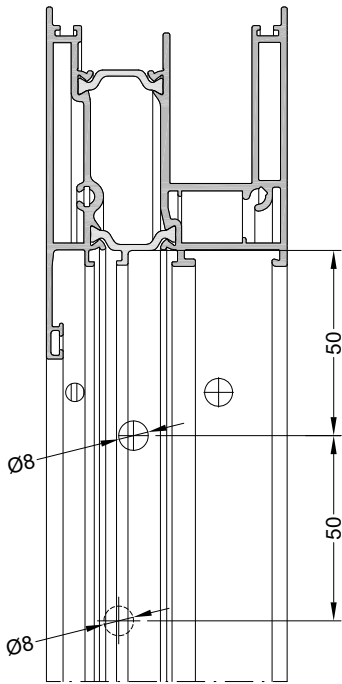
Flügelprofil seitlich oben
Sash profil lateral on top

- Bearbeitungsschritte**
1. Bohrungen $\varnothing 8$ mm bohren
2. Profil ausfräsen

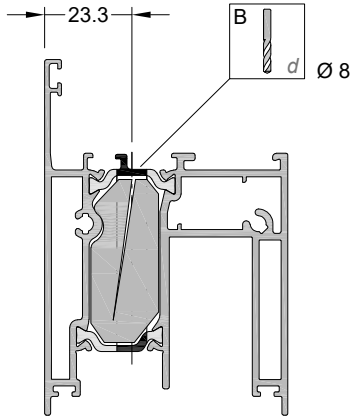
- Processing steps**
1. Drill holes $\varnothing 8$ mm
2. Mill the profile



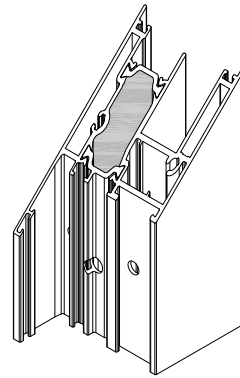
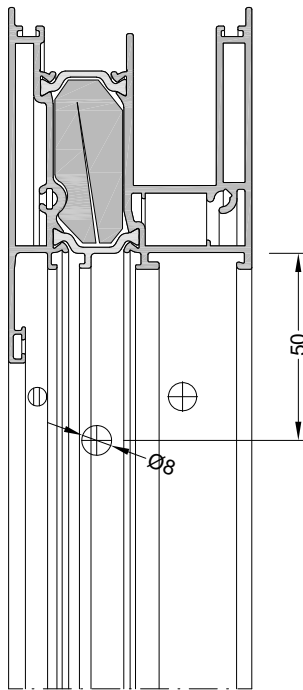
Flügelprofil unten
Sash profil bottom



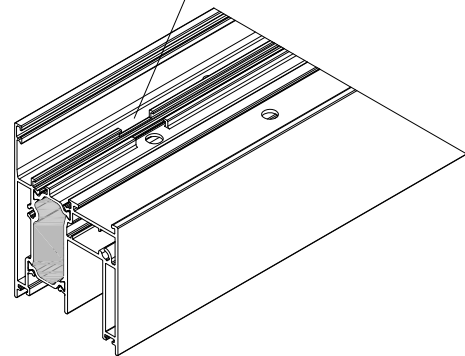
DAMPFDRUCKAUSGLEICH BEI FLÜGELPROFILIEN MIT DÄMMKERN
 VAPOUR PRESSURE EQUALIZATION OF SASH PROFILES WITH INSULATING CORE



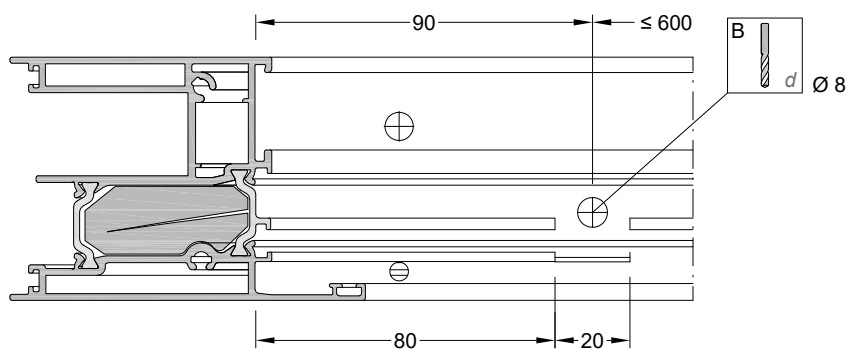
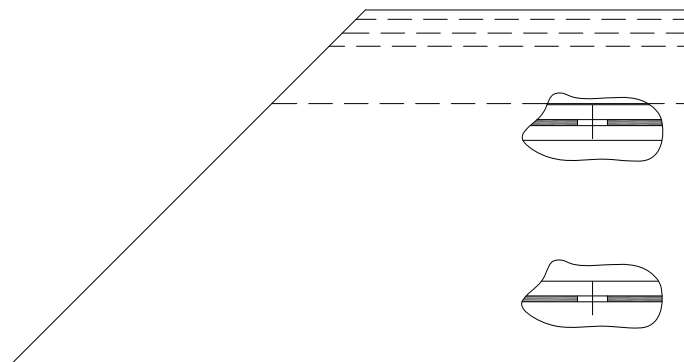
B 813232 B 813233
 (B 813234 B 813235)



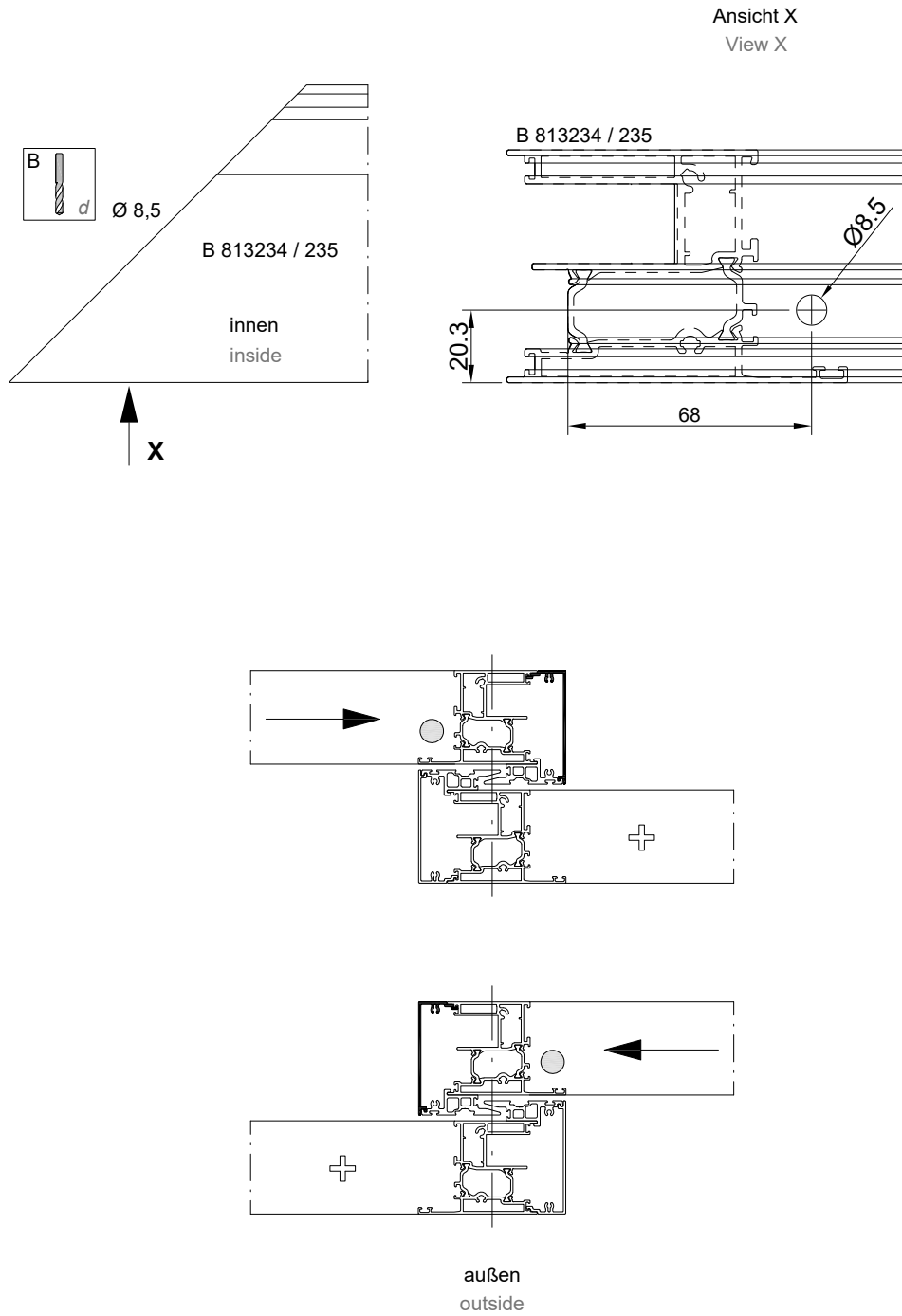
Flügelprofil seitlich oben
 Sash profil lateral on top



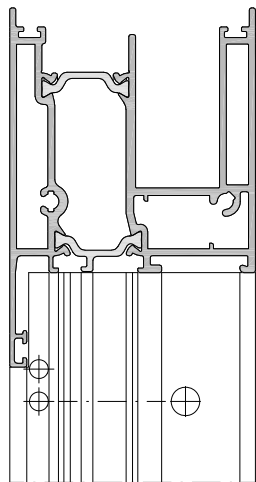
Flügelprofil unten
 Sash profil bottom



ZUSATZVERRIEGELUNG • NUR BEI PAS-24 ANFORDERUNGEN
ADDITIONAL LOCKING • ONLY WITH PAS-24 REQUIREMENTS



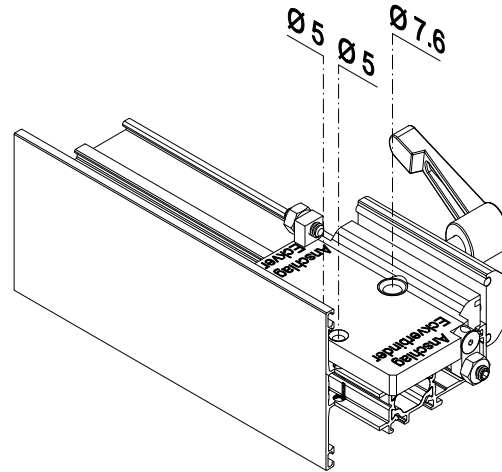
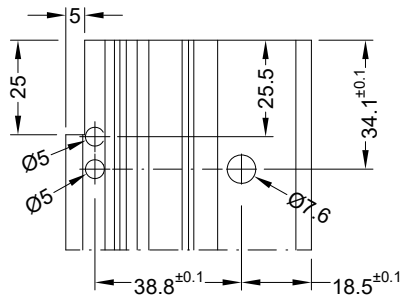
Diese Seite gilt nur bei Einbruchhemmung gemäß British Standard!
This page is only valid for burglar resistance in accordance to British Standard!



Z 996068



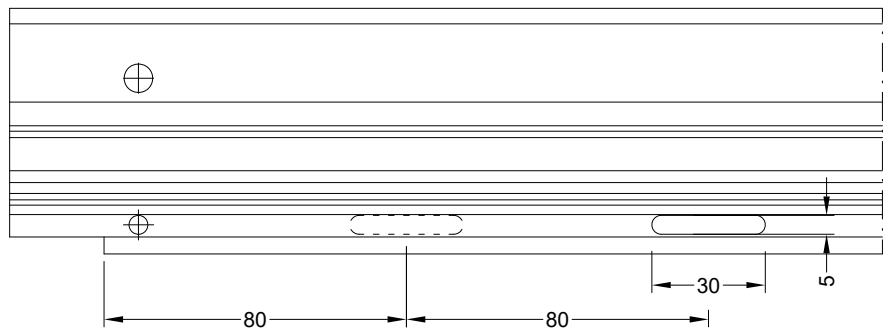
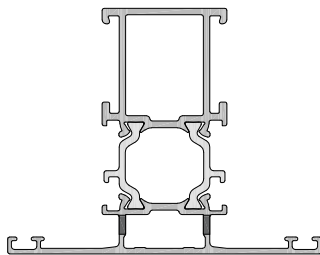
Ø 5 / Ø 7.6
 Z 914709



Vorkammerentwässerung durch geschlossene Vorkammer
 Front chamber drainage through closed front chamber



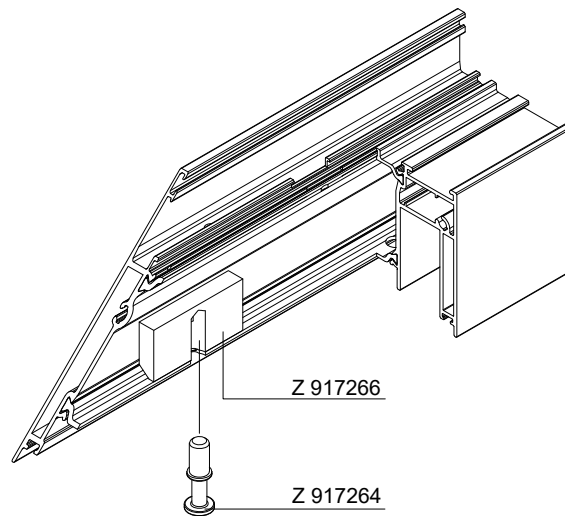
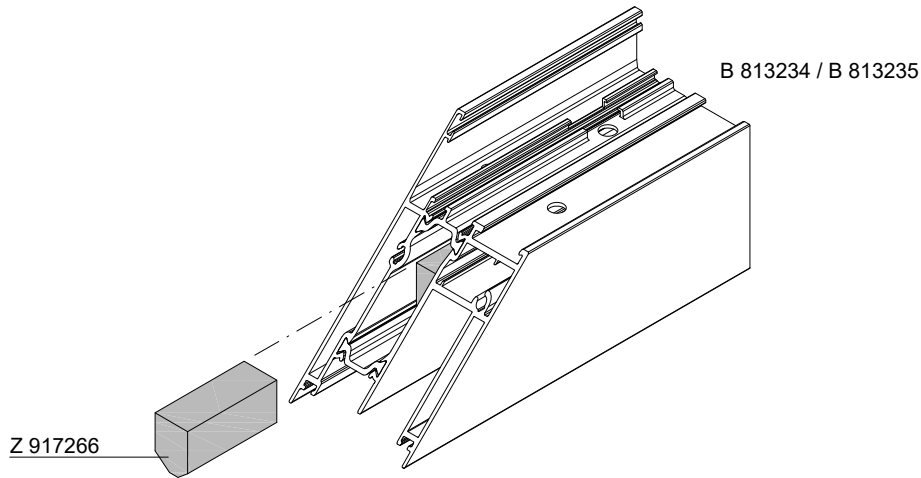
m 5 x 30



ZUSATZVERRIEGELUNG • NUR BEI PAS-24 ANFORDERUNGEN
ADDITIONAL LOCKING • ONLY WITH PAS-24 REQUIREMENTS

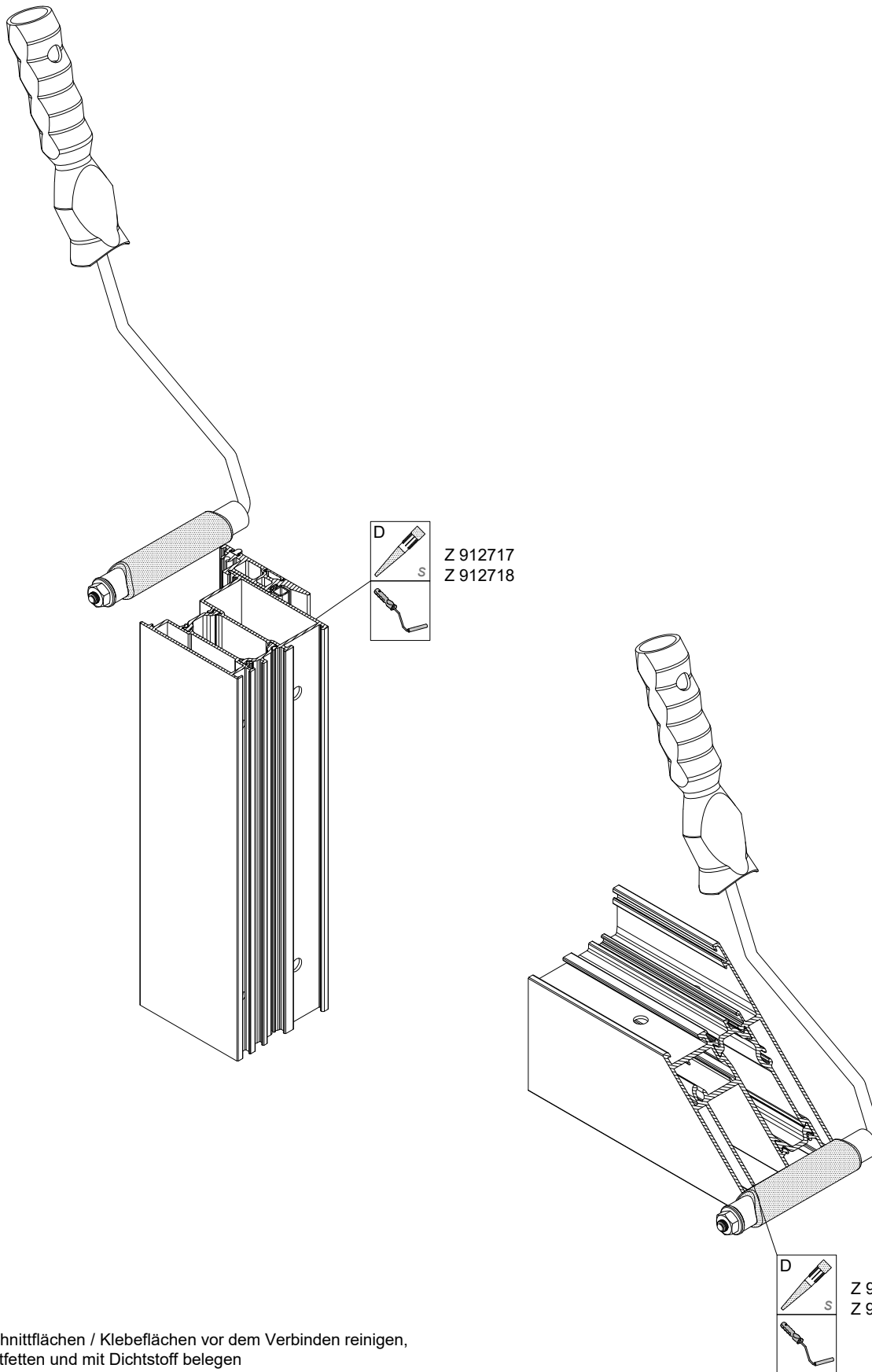


Zusatzverriegelung - Z 996470
Additional locking - Z 996470



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This page is only valid for burglar resistance in accordance with British Standard!

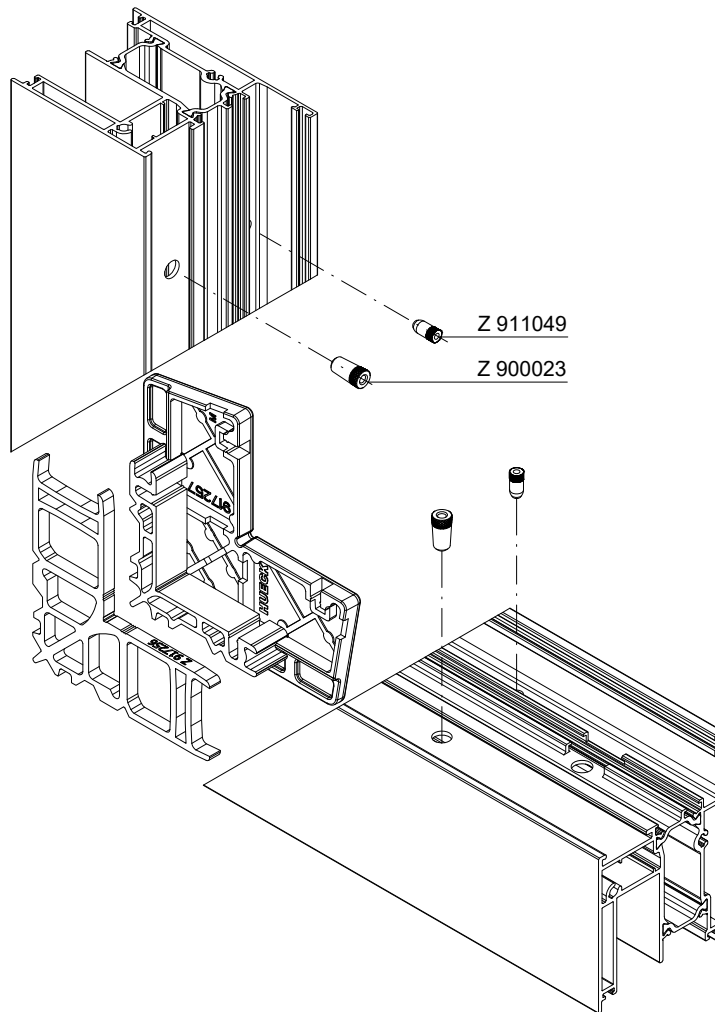
SCHNITTFLÄCHENABDICHTUNG
 SEALING OF CUT SURFACES



Schnittflächen / Klebeflächen vor dem Verbinden reinigen,
 entfetten und mit Dichtstoff belegen

Clean the cut surfaces / glue surface and cover it with
 sealing compound material before connecting them.

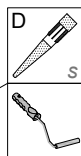
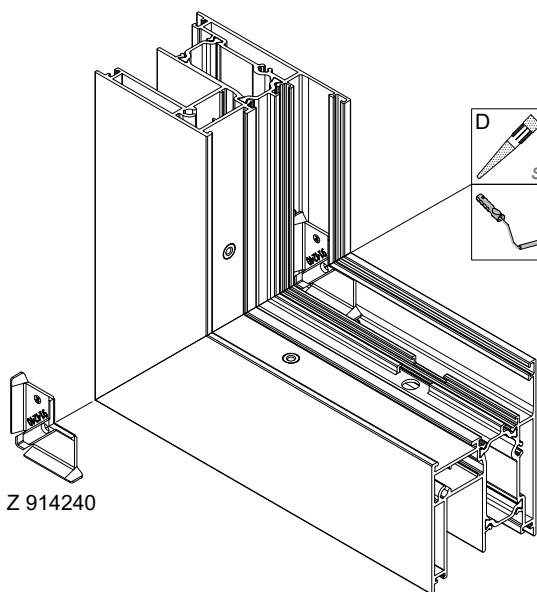
FLÜGELRAHMENVERBINDUNG
 SASH FRAME CONNECTION



Z 914709



Z 911737



Z 912717
 Z 912718

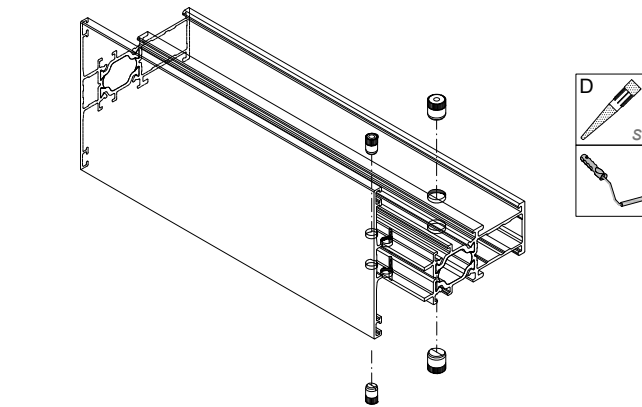
Z 914240

Bearbeitungsschritte

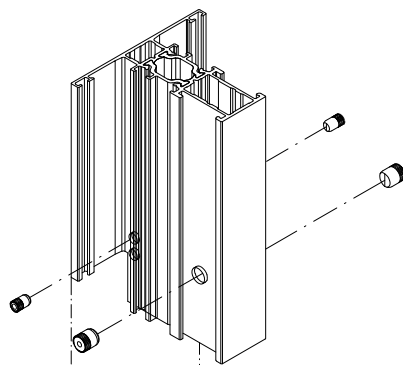
1. Schnittflächen versiegeln
2. Kleber einbringen
3. Eckverbinder einschieben
4. Rahmen fügen (erst Innen-, dann Außenkammer)
5. Aussteifungswinkel montieren
6. Dichtstoff einbringen

Processing steps

1. Seal the cut surfaces
2. Insert the glue
3. Slide in the corner bracket
4. Join the frame (Internal chamber at first, then external)
5. Assemble the corner stabiliser
6. Insert sealing compound



Z 912717
Z 912718

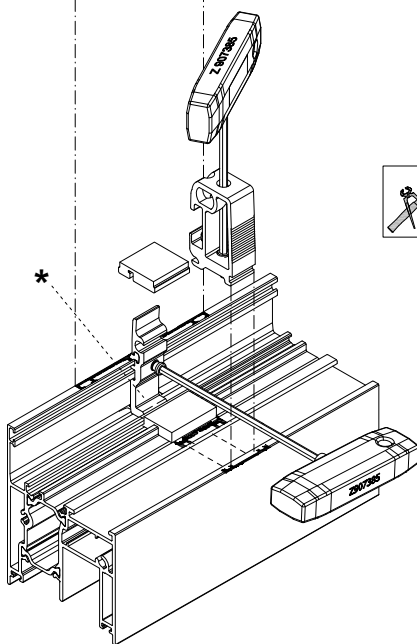


Bearbeitungsschritte

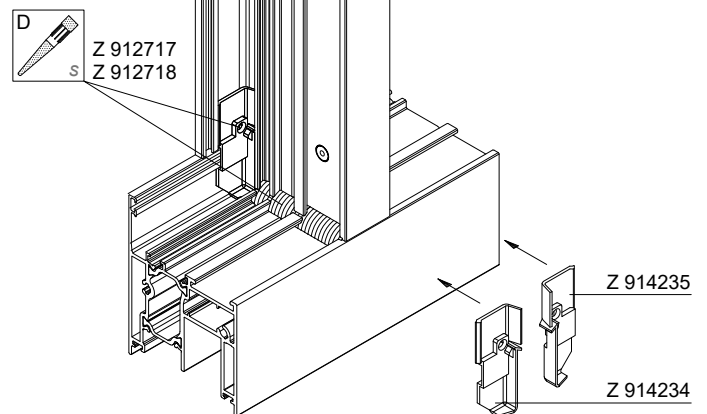
1. Stoßverbinder befestigen *
2. Dichtkissen einsetzen und eindichten
3. Dichtstoff auf die Schnittfläche der Aussenschale aufbringen
4. Sprossenprofil fügen (erst Innen-, dann Außenkammer)
5. Dichtstoff in gesamten Kehlenbereich einbringen
6. Aussteifungswinkel montieren und Dichtstoff einbringen

Processing steps

1. Fix the T-joint *
2. Insert the sealing pad and seal it
3. Sealing material applied to the cutting area of the external shell
4. Join the transom profile (Internal chamber at first, then external)
5. Insert the sealing material in the groove
6. Assemble the corner stabiliser

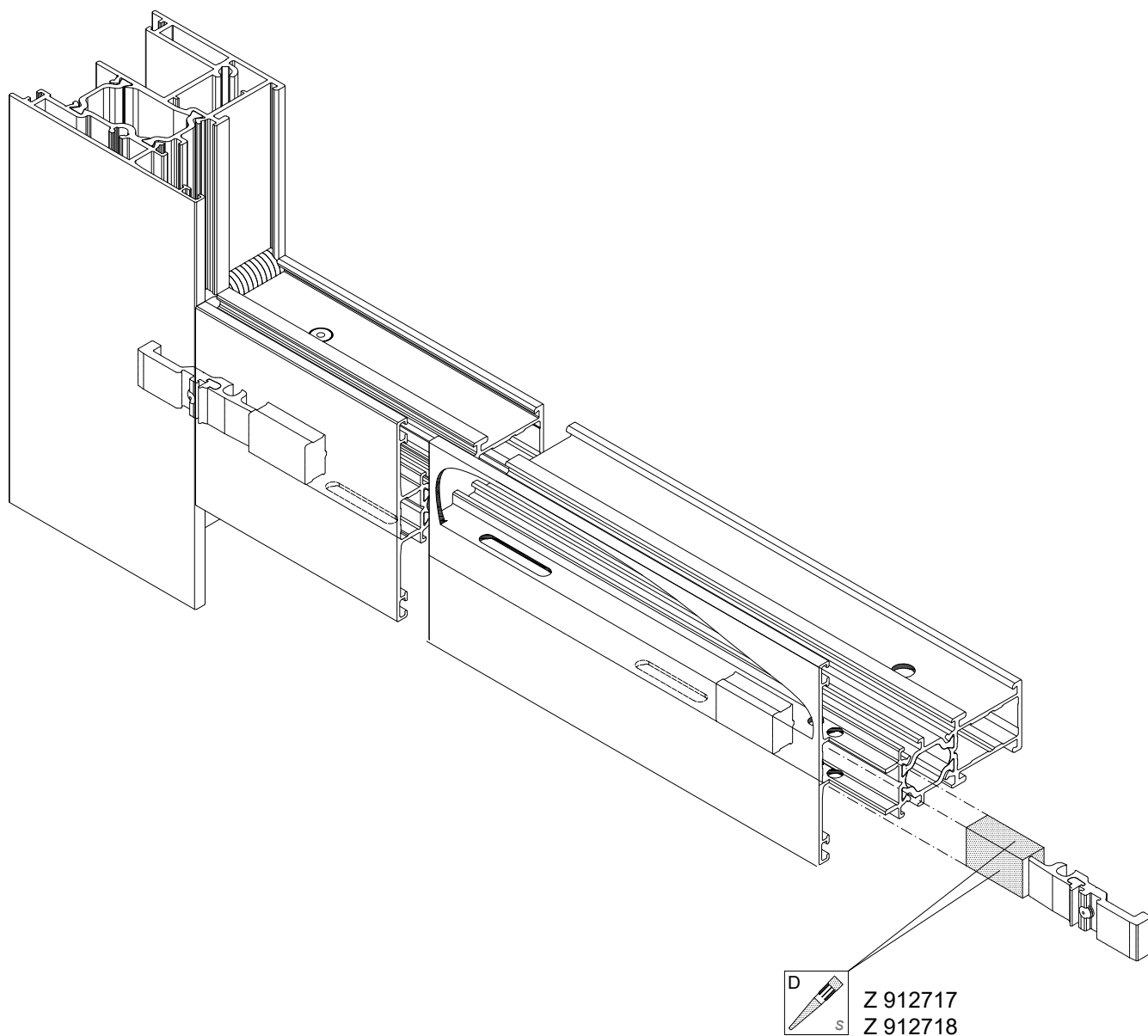


Z 907385 (3) ◯
Z 981703



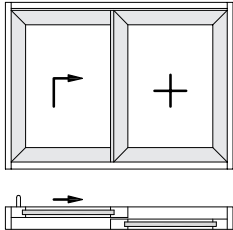
* = Stanzschraube nach Durchstanzung nur **leicht** anziehen
* = Punch screw tightened slightly after punching

SPROSSENVERBINDUNG
TRANSOM CONNECTION


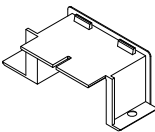
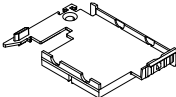
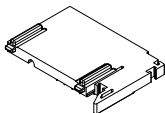
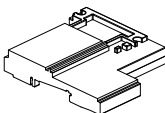


Dichtstück mit T-Verbinder
in Position schieben

Slide sealing piece with
T-joint to correct position

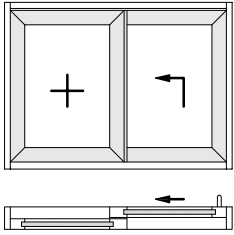
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
A1		<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Festflügel rechts Primärer Flügel nach links öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, fixed sash right Primary sash sliding to the left</p>


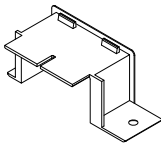
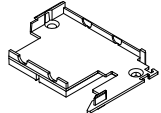
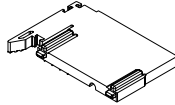
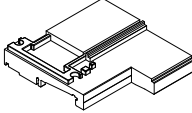
KLEINER FLÜGEL B 813232/233
SMALL SASH B 813232/233

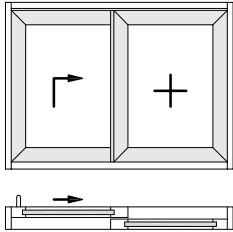
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	
SCHWARZ BLACK Z 997637	WEISS WHITE Z 997645			Z 918865	6
			Z 923033	Z 923034	2
			Z 920002	Z 920003	1
			Z 918993		1
			Z 918995		1

ZUBEHÖRSÄTZE • KLEINER FLÜGEL
ACCESSORY SETS • SMALL SASH


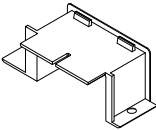
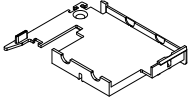
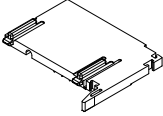
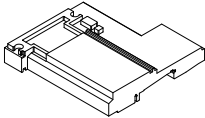
BREITES LABYRINTH
WIDE LABYRINTH

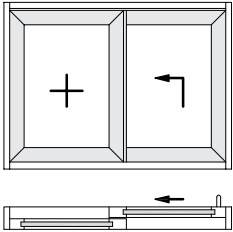
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
A2		<p>2-spurige Anlage mit 2 Feldern Schiebeflügel rechts, Festflügel links Primärer Flügel nach rechts öffnend</p> <p>Double-tracked system with 2 fields Sliding sash right, fixed sash left Primary sash sliding to the right</p>	<p>KLEINER FLÜGEL B 813232/233 SMALL SASH B 813232/233</p>


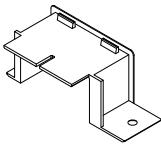
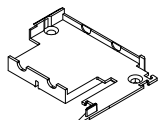
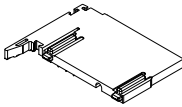
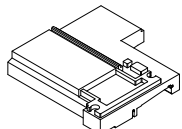
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
<p>SCHWARZ BLACK Z 997638</p> <p>WEISS WHITE Z 997646</p>		Z 918865		6
		Z 923035	Z 923036	2
		Z 920000	Z 920001	1
		Z 918994		1
		Z 918996		1

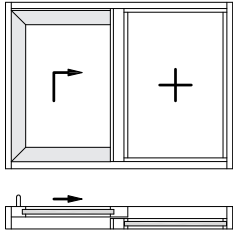
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
A1		<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Festflügel rechts Primärer Flügel nach links öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, fixed sash right Primary sash sliding to the left</p>


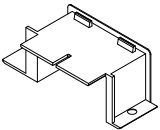
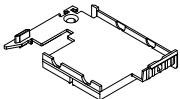
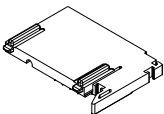
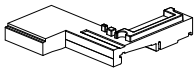
GROSSER FLÜGEL B 813234/235
BIG SASH B 813234/235

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
SCHWARZ BLACK Z 997678 WEISS WHITE Z 997686		Z 918865		6
		Z 923033	Z 923034	2
		Z 918868	Z 918869	1
		Z 918846		1
		Z 918851		1

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
A2		<p>2-spurige Anlage mit 2 Feldern Schiebeflügel rechts, Festflügel links Primärer Flügel nach rechts öffnend</p> <p>Double-tracked system with 2 fields Sliding sash right, fixed sash left Primary sash sliding to the right</p>	<p>GROSSER FLÜGEL B 813234/235 BIG SASH B 813234/235</p>

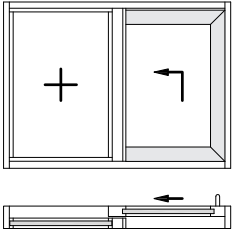
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
<p>SCHWARZ BLACK Z 997679</p> <p>WEISS WHITE Z 997687</p>		Z 918865		6
		Z 923035	Z 923036	2
		Z 918866	Z 918867	1
		Z 918847		1
		Z 918850		1

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
MA1		<p>Monorail mit 2 Feldern Schiebeflügel links, Festfeld rechts Primärer Flügel nach links öffnend</p> <p>Monorail with 2 fields Sliding sash left, fixed field right Primary sash sliding to the left</p>	<p>KLEINER FLÜGEL B 813232/233 SMALL SASH B 813232/233</p>


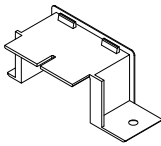
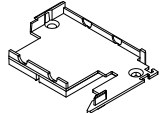
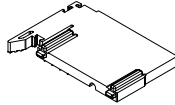
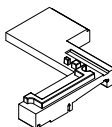
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	
SCHWARZ BLACK Z 997639	WEISS WHITE Z 997647			Z 918865	4
			Z 923033	Z 923034	1
			Z 920002	Z 920003	1
			Z 918993		1
			Z 918997		1

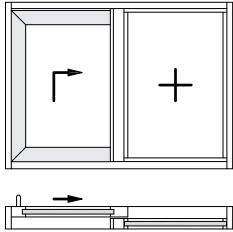
ZUBEHÖRSÄTZE • KLEINER FLÜGEL
ACCESSORY SETS • SMALL SASH


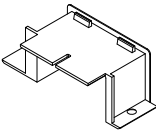
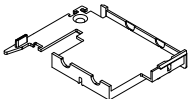
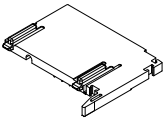
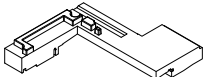
BREITES LABYRINTH
WIDE LABYRINTH

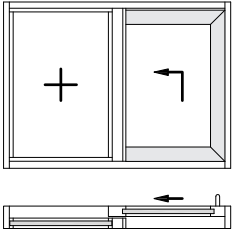
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
MA2		<p>Monorail mit 2 Feldern Schiebeflügel rechts, Festfeld links Primärer Flügel nach rechts öffnend</p> <p>Monorail with 2 fields Sliding sash right, fixed field left Primary sash sliding to the right</p>


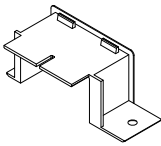
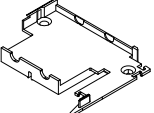
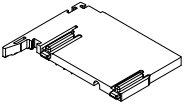
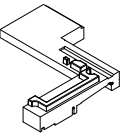
KLEINER FLÜGEL B 813232/233
SMALL SASH B 813232/233

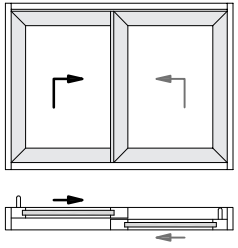
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	
SCHWARZ BLACK Z 997640	WEISS WHITE Z 997648			Z 918865	4
			Z 923035	Z 923036	1
			Z 920000	Z 920001	1
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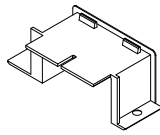
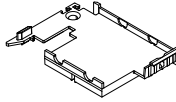
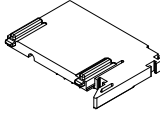
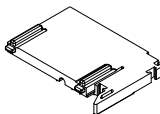
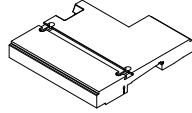
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
MA1		<p>Monorail mit 2 Feldern Schiebeflügel links, Festfeld rechts Primärer Flügel nach links öffnend</p> <p>Monorail with 2 fields Sliding sash left, fixed field right Primary sash sliding to the left</p>	<p>GROSSER FLÜGEL B 813234/235 BIG SASH B 813234/235</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	
SCHWARZ BLACK Z 997680	WEISS WHITE Z 997688			Z 918865	4
			Z 923033	Z 923034	1
			Z 918868	Z 918869	1
			Z 918846		1
			Z 918845		1

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
MA2		<p>Monorail mit 2 Feldern Schiebeflügel rechts, Festfeld links Primärer Flügel nach rechts öffnend</p> <p>Monorail with 2 fields Sliding sash right, fixed field left Primary sash sliding to the right</p>	<p>GROSSER FLÜGEL B 813234/235 BIG SASH B 813234/235</p>

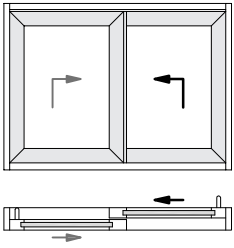
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	
SCHWARZ BLACK Z 997681	WEISS WHITE Z 997689			Z 918865	4
			Z 923035	Z 923036	1
			Z 918866	Z 918867	1
			Z 918847		1
			Z 918844		1


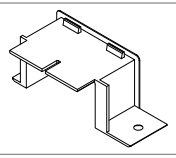
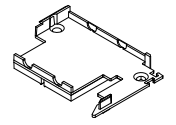
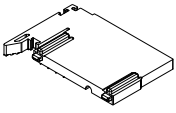
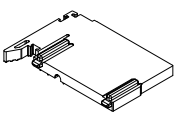
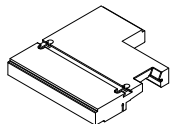
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
D1		<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach links öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the left</p>	<p>KLEINER FLÜGEL B 813232/233 SMALL SASH B 813232/233</p>

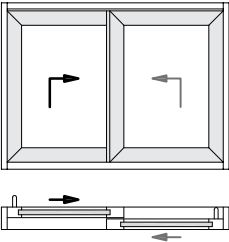
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
<p>SCHWARZ BLACK Z 997641</p> <p>WEISS WHITE Z 997649</p>		Z 918865		8
		Z 923033	Z 923034	2
		Z 920002	Z 920003	2
		Z 918993		1
		Z 918824		1
		Z 918983		1


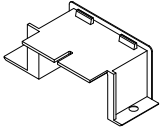
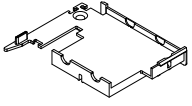
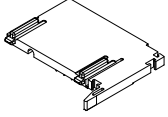
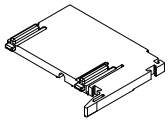
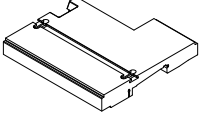
ZUBEHÖRSÄTZE • KLEINER FLÜGEL
ACCESSORY SETS • SMALL SASH

BREITES LABYRINTH
WIDE LABYRINTH

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
D2		<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach rechts öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the right</p>	<p>KLEINER FLÜGEL B 813232/233 SMALL SASH B 813232/233</p>

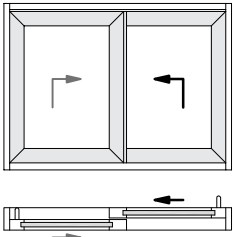
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
<p>SCHWARZ BLACK Z 997642</p> <p>WEISS WHITE Z 997650</p>		Z 918865		8
		Z 923035	Z 923036	2
		Z 920000	Z 920001	2
		Z 918994		1
		Z 918825		1
		Z 918984		1


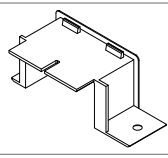
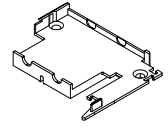
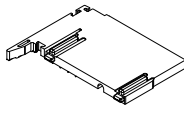
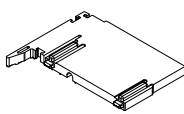
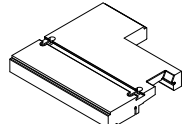
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
D1		<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach links öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the left</p>	<p>GROSSER FLÜGEL B 813234/235 BIG SASH B 813234/235</p>

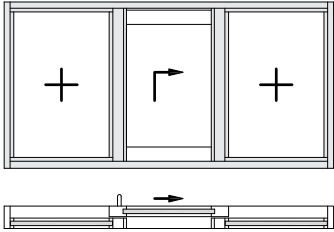
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
<p>SCHWARZ BLACK Z 997682</p> <p>WEISS WHITE Z 997690</p>		Z 918865		8
		Z 923033	Z 923034	2
		Z 918868	Z 918869	2
		Z 918846		1
		Z 918848		1
		Z 918985		1

ZUBEHÖRSÄTZE • GROSSER FLÜGEL
ACCESSORY SETS • BIG SASH


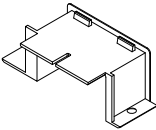
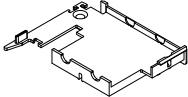
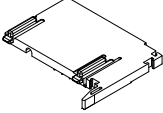
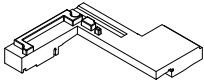
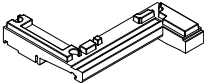


BREITES LABYRINTH
WIDE LABYRINTH

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
D2		<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach rechts öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the right</p>	<p>GROSSER FLÜGEL B 813234/235 BIG SASH B 813234/235</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
<p>SCHWARZ BLACK Z 997683</p> <p>WEISS WHITE Z 997691</p>		Z 918865		8
		Z 923035	Z 923036	2
		Z 918866	Z 918867	2
		Z 918847		1
		Z 918849		1
		Z 918986		1

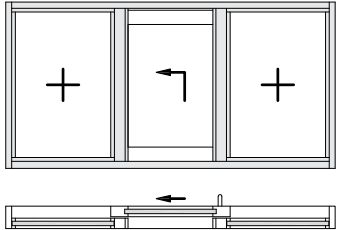
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
MG1		<p>Monorail mit 3 Feldern Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach links öffnend</p> <p>Monorail with 3 fields Sliding sash in the middle 1 fixed field left and right each Primary sash sliding to the left</p>


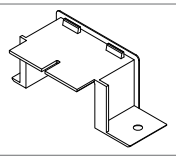
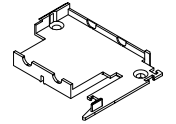
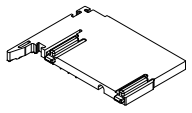
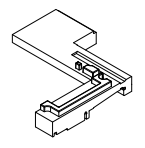
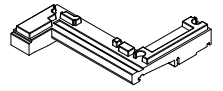
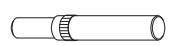

GROSSER FLÜGEL B 813234/235
BIG SASH B 813234/235

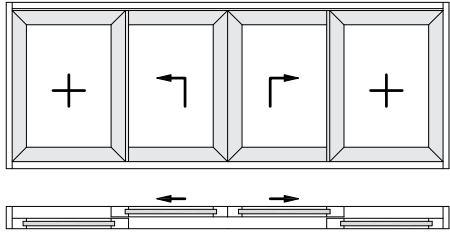
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	
SCHWARZ BLACK Z 997704	WEISS WHITE Z 997706			Z 918865	4
			Z 923033	Z 923034	1
			Z 918868	Z 918869	1
			Z 918846		1
			Z 918845		1
			Z 918480		1
			Z 918483		2
			Z 918614		20


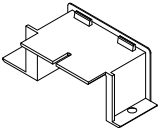
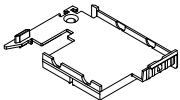
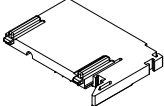
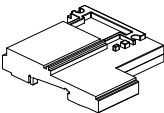
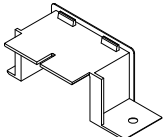
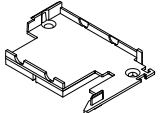
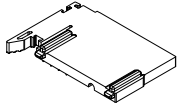
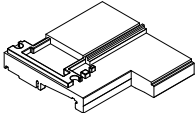
ZUBEHÖRSÄTZE • GROSSER FLÜGEL
ACCESSORY SETS • BIG SASH

BREITES LABYRINTH
WIDE LABYRINTH

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
MG2		<p>Monorail mit 3 Feldern Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach rechts öffnend</p> <p>Monorail with 3 fields Sliding sash in the middle 1 fixed field left and right each Primary sash sliding to the right</p>	<p>GROSSER FLÜGEL B 813234/235 BIG SASH B 813234/235</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	
SCHWARZ BLACK Z 997705	WEISS WHITE Z 997707			Z 918865	4
			Z 923035	Z 923036	1
			Z 918866	Z 918867	1
			Z 918847		1
			Z 918844		1
			Z 918479		1
			Z 918483		2
			Z 918614		20

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
<p>C</p>  <p>i</p>	<p>2-spurige Anlage mit 4 Feldern 2 Schiebeflügel mittig je 1 Festflügel links und rechts Primärer Flügel nach links oder rechts öffnend</p> <p>Double-tracked system with 4 fields 2 sliding sashes in the middle 1 fixed sash left and right each Primary sash sliding to the left or right</p>	<p>KLEINER FLÜGEL B 813232/233</p> <p>SMALL SASH B 813232/233</p>


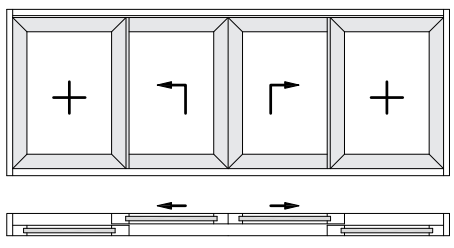
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
<p>SCHWARZ BLACK Z 997637 + Z 997638</p> <p>WEISS WHITE Z 997645 + Z 997646</p>		Z 918865		6
		Z 923033	Z 923034	2
		Z 920002	Z 920003	1
		Z 918993		1
		Z 918995		1
		Z 923035	Z 923036	2
		Z 920000	Z 920001	1
		Z 918994		1
		Z 918996		1


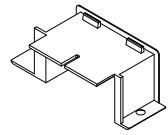
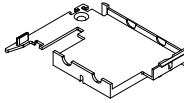
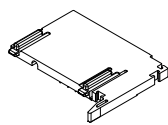
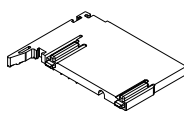
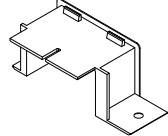
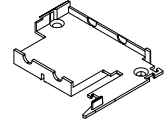
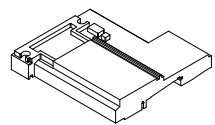
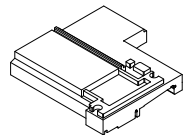


Für Schema C bitte beide Kombinumern Z 997637 und Z 997638 (schwarz) bzw. Z 997645 und Z 997646 (weiß) bestellen!
For scheme C please order both comb. no. Z 997637 and Z 997638 (black) respectively Z 997645 and Z 997646 (white)!

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ACCESSORY SETS • BIG SASH

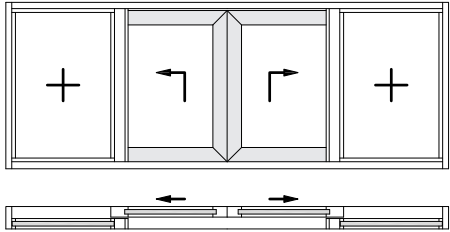
BREITES LABYRINTH
WIDE LABYRINTH


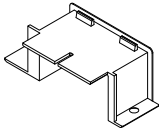
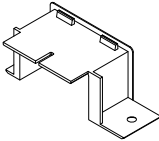
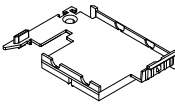
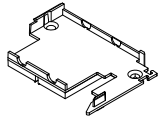
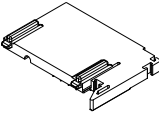
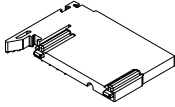
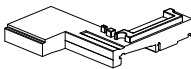
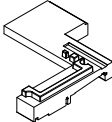
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
<p>C</p> 		<p>2-spurige Anlage mit 4 Feldern 2 Schiebeflügel mittig je 1 Festflügel links und rechts Primärer Flügel nach links oder rechts öffnend</p> <p>Double-tracked system with 4 fields 2 sliding sashes in the middle 1 fixed sash left and right each Primary sash sliding to the left or right</p>	<p>GROSSER FLÜGEL B 813234/235</p> <p>BIG SASH B 813234/235</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
<p>SCHWARZ BLACK Z 997678 + Z 997679</p> <p>WEISS WHITE Z 997686 + Z 997687</p>		Z 918865		6
		Z 923033	Z 923034	2
		Z 918868	Z 918869	1
		Z 918846		1
		Z 918847		1
		Z 923035	Z 923036	2
		Z 918866	Z 918867	1
		Z 918851		1
		Z 918850		1



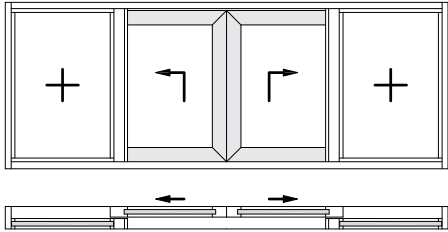
Für Schema C bitte beide Kombinumern Z 997678 und Z 997679 (schwarz) bzw. Z 997686 und Z 997687 (weiß) bestellen!
For scheme C please order both comb. no. Z 997678 and Z 997679 (black) respectively Z 997686 and Z 997687 (white)!

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
MC		<p>Monorail mit 4 Feldern 2 Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach links oder rechts öffnend</p> <p>Monorail with 4 fields 2 sliding sashes in the middle 1 fixed field left and right each Primary sash sliding to the left or right</p>	<p>KLEINER FLÜGEL B 813232/233</p> <p>SMALL SASH B 813232/233</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
<p>SCHWARZ BLACK Z 997643</p> <p>WEISS WHITE Z 997651</p>		Z 918865		8
		Z 923033	Z 923034	1
		Z 923035	Z 923036	1
		Z 920002	Z 920003	1
		Z 920000	Z 920001	1
		Z 918993		1
		Z 918994		1
		Z 918997		1
		Z 918998		1


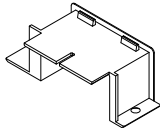
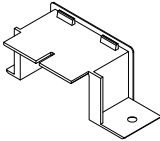
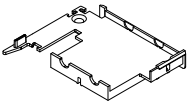
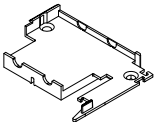
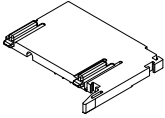
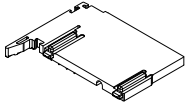
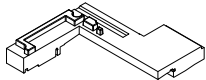
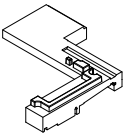
ZUBEHÖRSÄTZE • GROSSER FLÜGEL
ACCESSORY SETS • BIG SASH

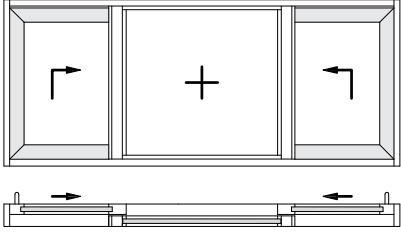
BREITES LABYRINTH
WIDE LABYRINTH


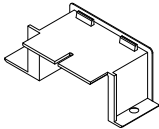
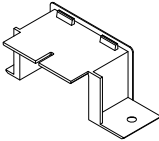
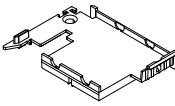
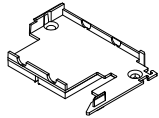
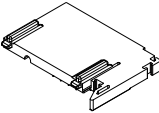
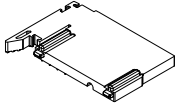
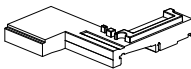
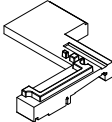
Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
MC		<p>Monorail mit 4 Feldern 2 Schiebeflügel mittig je 1 Festfeld links und rechts Primärer Flügel nach links oder rechts öffnend</p> <p>Monorail with 4 fields 2 sliding sashes in the middle 1 fixed field left and right each Primary sash sliding to the left or right</p>

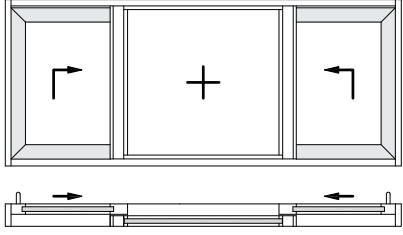
GROSSER FLÜGEL
B 813234/235


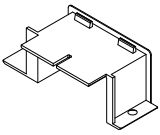
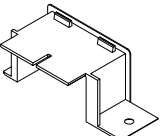
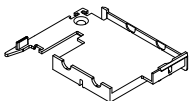
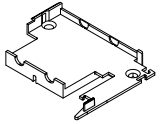
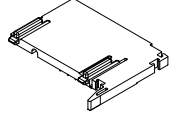
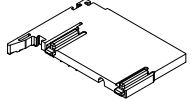
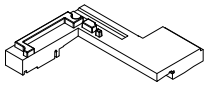
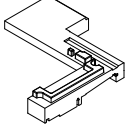
BIG SASH
B 813234/235

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
SCHWARZ BLACK Z 997684 WEISS WHITE Z 997692		Z 918865		8
		Z 923033	Z 923034	1
		Z 923035	Z 923036	1
		Z 918868	Z 918869	1
		Z 918866	Z 918867	1
		Z 918846		1
		Z 918847		1
		Z 918845		1
		Z 918844		1

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
MK		<p>Monorail mit 3 Feldern Schiebeflügel links und rechts Festfeld mittig Primärer Flügel nach links und rechts öffnend</p> <p>Monorail with 3 fields Sliding sashes left and right Fixed field in the middle Primary sash sliding to the left and right</p>	<p>KLEINER FLÜGEL B 813232/233</p> <p>SMALL SASH B 813232/233</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
<p>SCHWARZ BLACK Z 997643</p> <p>WEISS WHITE Z 997651</p>		Z 918865		8
		Z 923033	Z 923034	1
		Z 923035	Z 923036	1
		Z 920002	Z 920003	1
		Z 920000	Z 920001	1
		Z 918993		1
		Z 918994		1
		Z 918997		1
		Z 918998		1

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description	
MK		<p>Monorail mit 3 Feldern Schiebeflügel links und rechts Festfeld mittig Primärer Flügel nach links und rechts öffnend</p> <p>Monorail with 3 fields Sliding sashes left and right Fixed field in the middle Primary sash sliding to the left and right</p>	<p>GROSSER FLÜGEL B 813234/235</p> <p>BIG SASH B 813234/235</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
SCHWARZ BLACK Z 997684 WEISS WHITE Z 997692		Z 918865		8
		Z 923033	Z 923034	1
		Z 923035	Z 923036	1
		Z 918868	Z 918869	1
		Z 918866	Z 918867	1
		Z 918846		1
		Z 918847		1
		Z 918845		1
		Z 918844		1

ZUBEHÖRSÄTZE • KLEINER FLÜGEL
ACCESSORY SETS • SMALL SASH

BREITES LABYRINTH
WIDE LABYRINTH

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
F		<p>2-spurige Anlage mit 4 Feldern 4 Schiebeflügel Primärer Flügel mittig nach links oder rechts öffnend</p> <p>Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the left or right</p>

KLEINER FLÜGEL
B 813232/233

SMALL SASH
B 813232/233

3B Standflügel
Inactive sash

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
SCHWARZ BLACK Z 997644 WEISS WHITE Z 997652		Z 918865		16		Z 918983		1
		Z 923033	Z 923034	2		Z 918984		1
		Z 923035	Z 923036	2				
		Z 920002	Z 920003	2				
		Z 920000	Z 920001	2				
		Z 918993		1				
		Z 918994		1				
		Z 918824		1				
		Z 918825		1				

ZUBEHÖRSÄTZE • GROSSER FLÜGEL
ACCESSORY SETS • BIG SASH

BREITES LABYRINTH
WIDE LABYRINTH

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
F		<p>2-spurige Anlage mit 4 Feldern 4 Schiebeflügel Primärer Flügel mittig nach links oder rechts öffnend</p> <p>Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the left or right</p>

GROSSER FLÜGEL
B 813234/235

BIG SASH
B 813234/235

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity
SCHWARZ BLACK Z 997685 WEISS WHITE Z 997693		Z 918865		16		Z 918985		1
		Z 923033	Z 923034	2		Z 918986		1
		Z 923035	Z 923036	2				
		Z 918868	Z 918869	2				
		Z 918866	Z 918867	2				
		Z 918846		1				
		Z 918847		1				
		Z 918848		1				
		Z 918849		1				

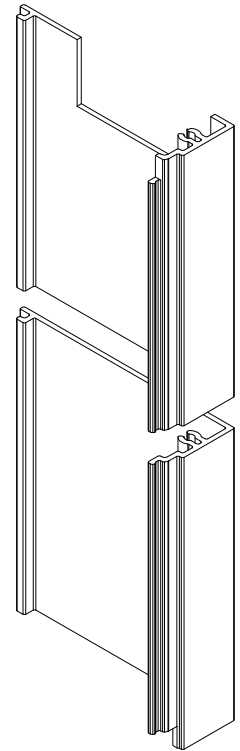
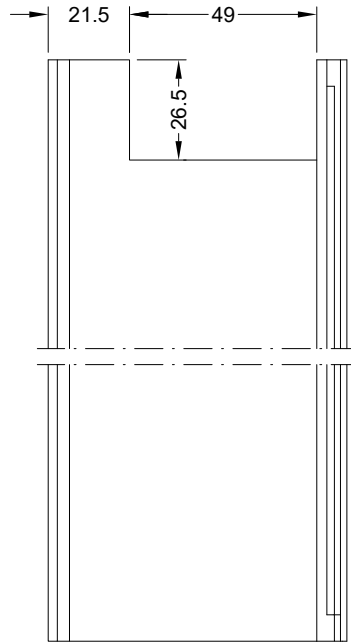
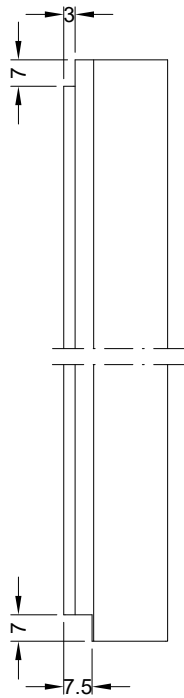
BEARBEITUNG P 813690
 PROCESSING P 813690

**Darstellung zeigt Bearbeitung für Schema A2, MA2, MG2, C (linker Flügel), MC, MK
 Schema A1, MA1, MG1, C (rechter Flügel) MC, MK spiegelbildlich**

Illustration shows processing steps for the scheme A2, MA2, MG2, C (left sash), MC, MK
 Schema A1, MA1, MG1, C (right sash), MC, MK is inversely



Z 981282 +
 Z 997636

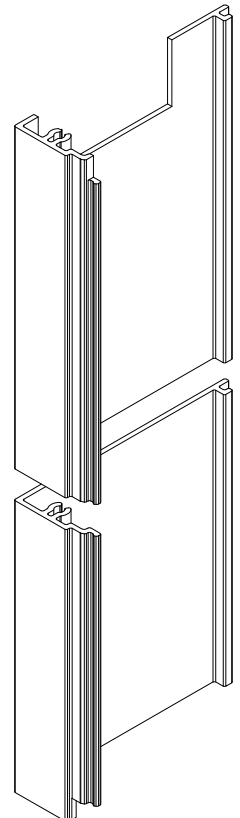
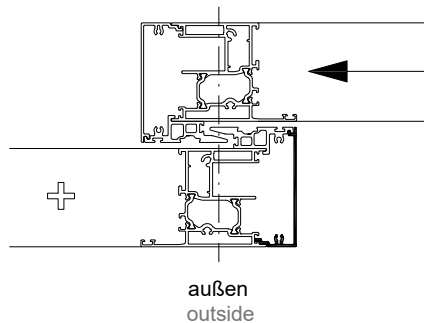


Z 981282 +
 Z 996517

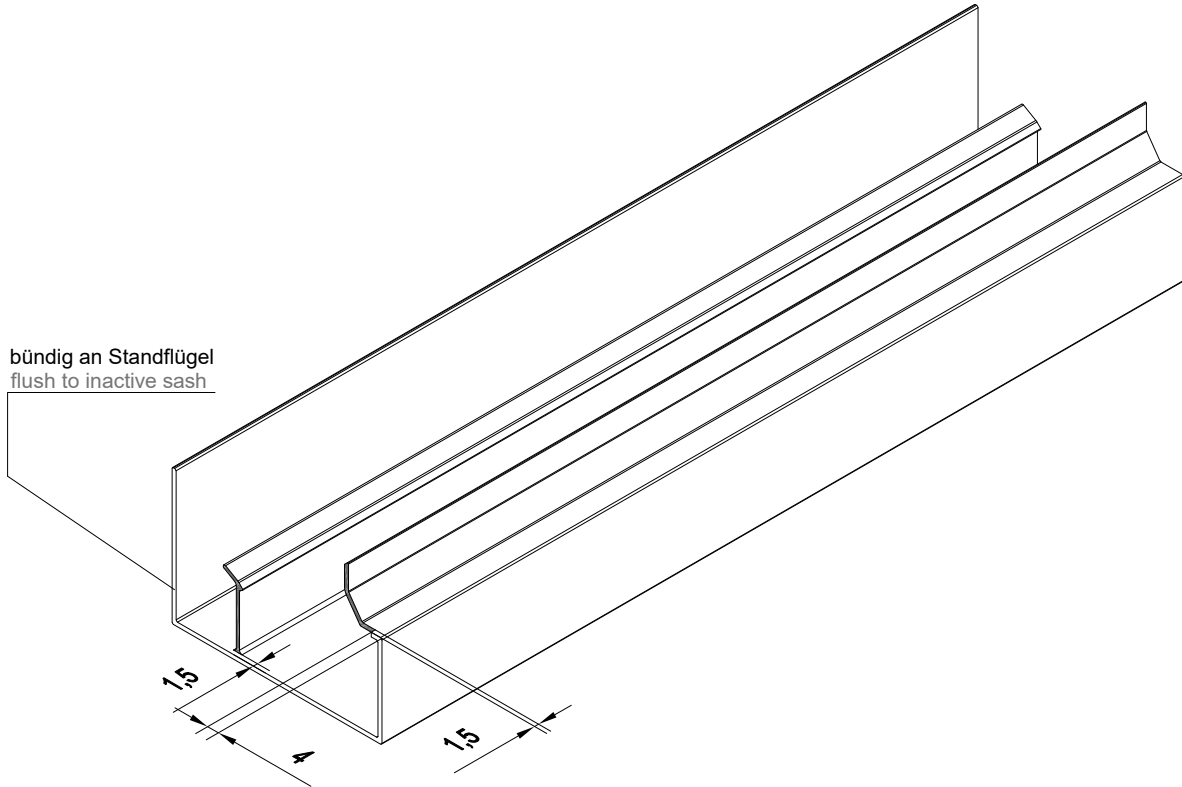
**Bearbeitung unten entfällt
 bei Monoflügeln**

No processing at the bottom
 with mono sashes

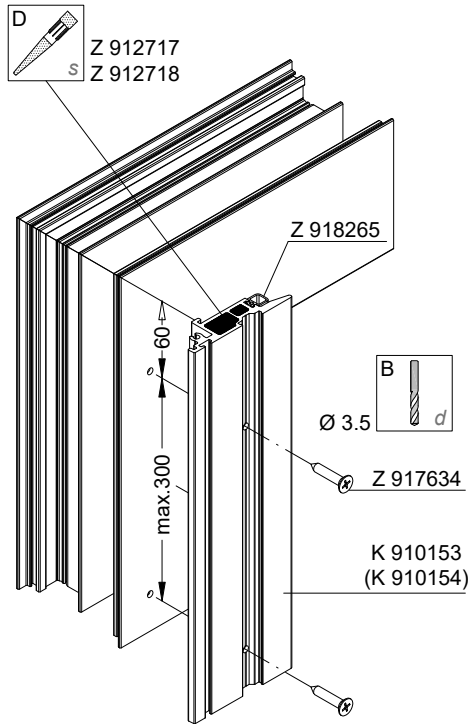
Bearbeitung spiegelbildlich
 Processing inversely



BEARBEITUNG P 813721
PROCESSING P 813721



MONTAGE
ASSEMBLY

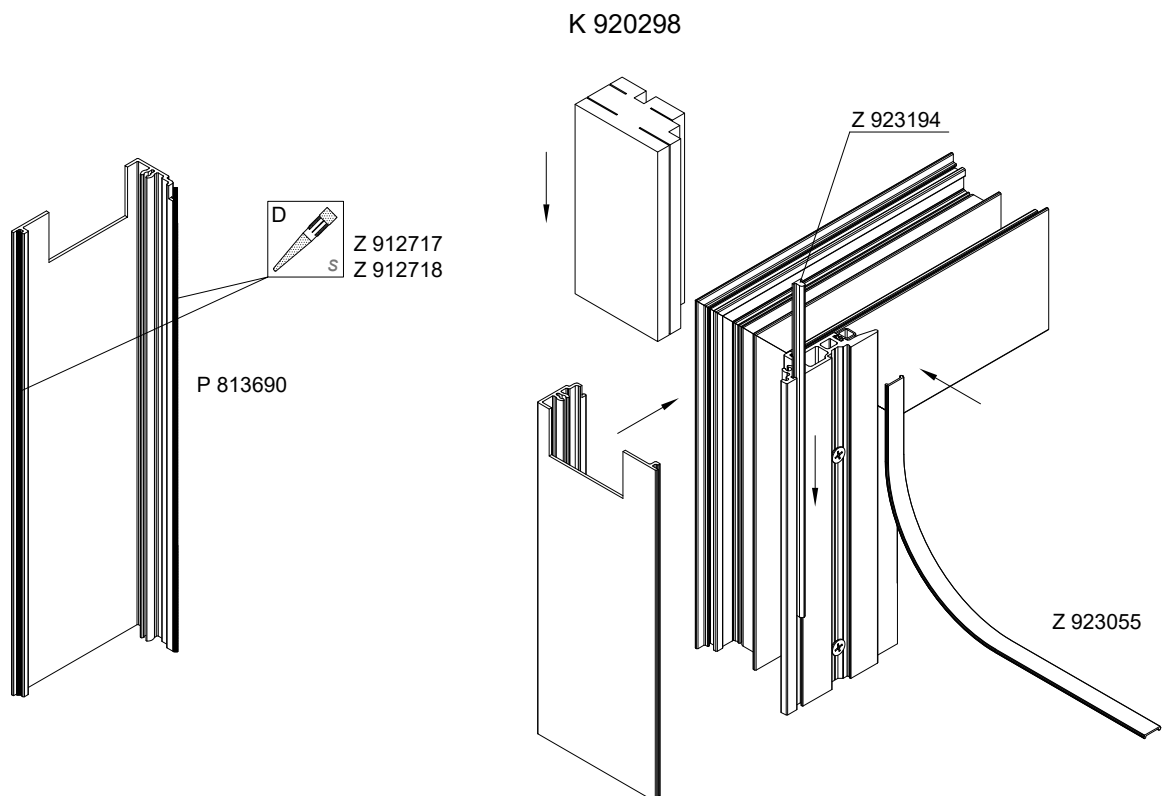


Bearbeitungsschritte

1. Labyrinthprofil K 910154 / K 910153 zusägen und stirnseitig oben versiegeln
2. Labyrinthprofil oben bündig mit Flügel ausrichten
3. Durch Labyrinthprofil und Flügelprofil mit $\varnothing 3,5$ mm bohren. Abstand zum Profilenende 60 mm, Abstand untereinander max. 300 mm
4. Dichtungen Z 918265 und Z 923194 in Profil K 910153 / K 910154 einziehen und mit EPDM Kleber Z 903941 fixieren
5. Profil mit Schrauben Z 917634 an Flügel verschrauben
6. Bearbeitetes Abdeckprofil P 813690 mit Dichtstoff aufklipsen
7. Dämmkerne K 920298 zuschneiden (L = FH -35) und einschieben
8. Abdeckdichtung Z 923055 aufdrücken

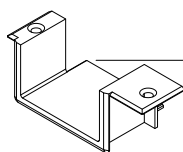
Processing steps

1. Labyrinth profile K 910154 / K 910153 sealed at the top end
2. Adjust labyrinth profile with sash on top flush
3. Drill holes through the labyrinth profile and sash profile with $\varnothing 3,5$ mm. Distance to the end of the profile 60 mm, distance between the holes maximum 300 mm
4. Insert gaskets Z 918265 and Z 923194 in profile K 910153 / K 910154 fixed with EPDM glue Z 903941
5. Fix the profile with screws Z 917634
6. The machined profile P 813690 snapped on with sealing compound
7. Slide in the cutted insulating profile K 920298 (L = FH -35)
8. Press on cover gasket Z 923055

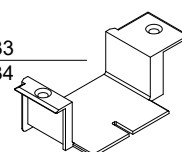


MONTAGE
ASSEMBLY

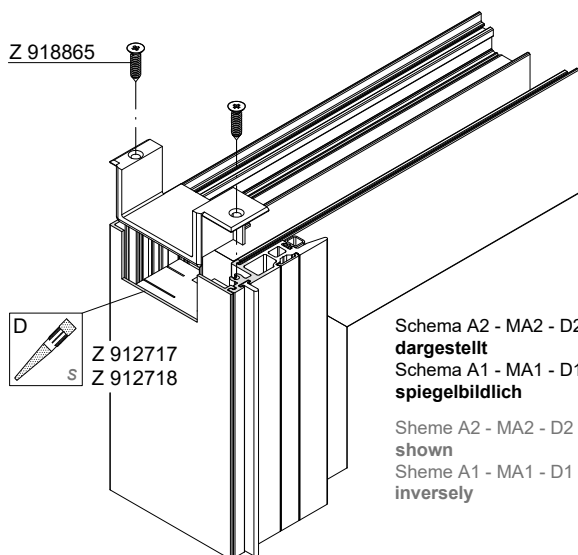
Schema A2



Z 923035 (schwarz) (black)
Z 923036 (weiß) (white)

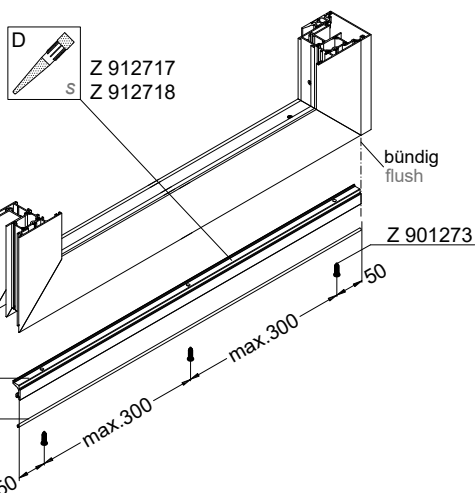
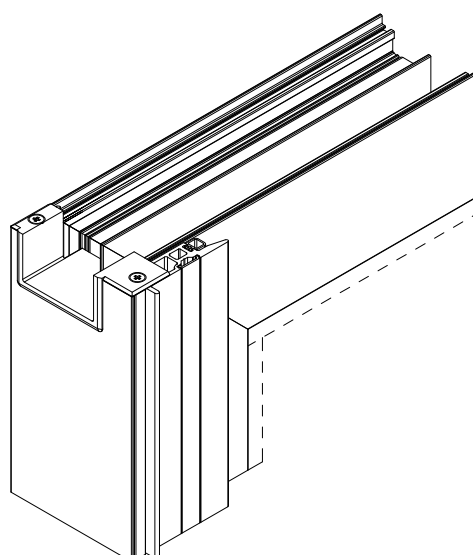


Schema A1



Schema A2 - MA2 - D2 - MC - MK - MG2 - F
dargestellt
Schema A1 - MA1 - D1 - MC - MK - MG1 - F
spiegelbildlich

Scheme A2 - MA2 - D2 - MC - MK - MG2 - F
shown
Scheme A1 - MA1 - D1 - MC - MK - MG1 - F
inversely



Z 912717
Z 912718

bündig
flush

Z 901273

P 813670

Z 902161

50

max. 300

max. 300

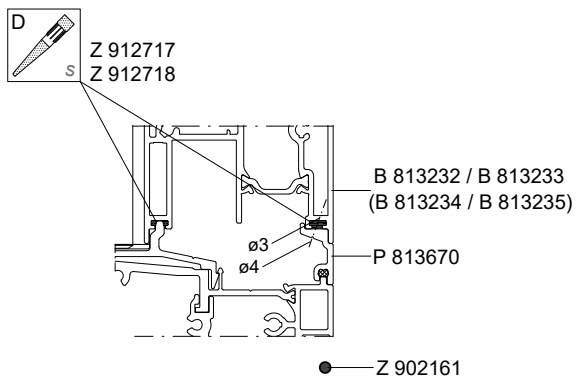
50

Bearbeitungsschritte

1. Flügeloberseite: Abdeckkappe Z 923033 / Z 923035 (schwarz) oder Z 923034 / Z 923036 (weiss) mit 2 Schrauben Z 918865 anschrauben
2. Flügelunterseite: Dichtungsroundschnur Z 902161 in Profil P 813670 einziehen
3. Profil P 813670 labyrinthseitig bündig an Flügelprofil ansetzen
4. Zusatzprofil und Flügelprofil mit $\varnothing 3$ mm bohren. Abstand zum Profilende 50 mm, Abstand untereinander max. 300 mm
5. Zusatzprofil auf $\varnothing 4$ mm aufbohren
6. Profil mit Schrauben Z 901273 (3,9x13 mm) befestigen

Bearbeitungsschritte

1. Upper side of sash: Cover caps Z 923033 / Z 923035 (black) or Z 923034 / Z 923036 (white) fixed with screw Z 918865
2. Bottom side of sash: Gasket cord Z 902161 pressed in profile P 813670
3. Adjust P 813670 flush to sash profile on the labyrinth side
4. Drill holes through supplementary profile and sash with $\varnothing 3$ mm. Distance to profile end 50 mm, distance between the holes max. 300 mm
5. Rebore the holes in P 813670 with $\varnothing 4$ mm
6. Fix profile P 813670 with screw Z 901273 (3,9x13 mm)



Z 912717
Z 912718

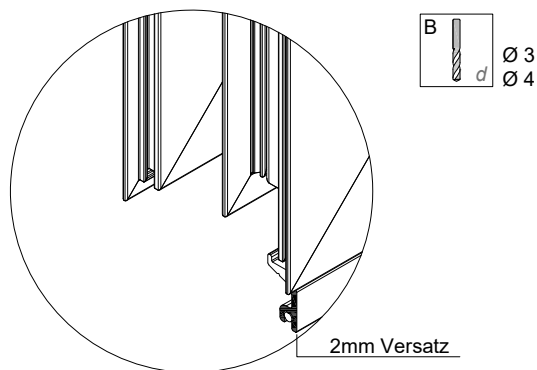
B 813232 / B 813233
(B 813234 / B 813235)

P 813670

Z 902161

$\varnothing 3$

$\varnothing 4$



B
 $\varnothing 3$
 $\varnothing 4$

2mm Versatz

Bearbeitungsschritte

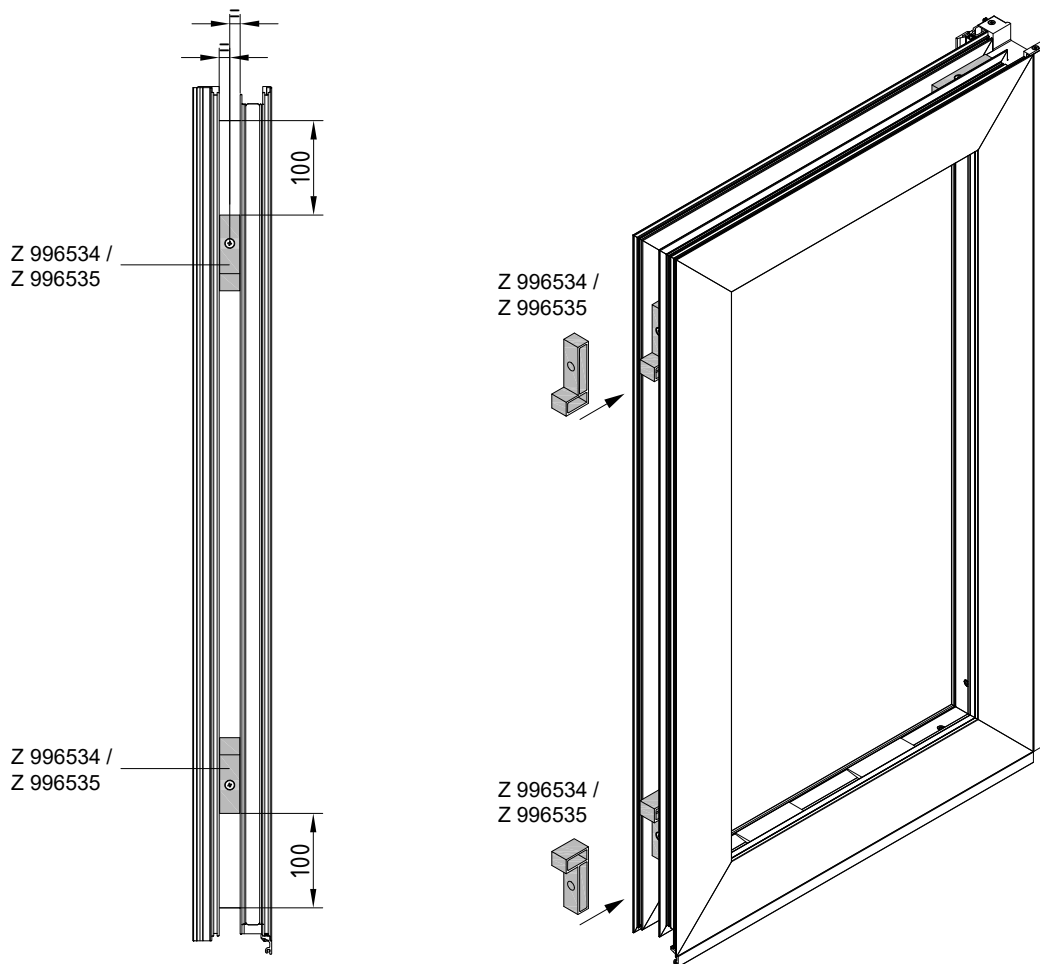
1. Abstandhalter Z 996534 / Z 996535 ausrichten, seitlich 100 mm Abstand zur Ecke der Beschlagkammer, oben in die Ausparung vor der Abdeckkappe setzen.
2. Abstandhalter mit Bohrschraube Z 917591 oder Z 917639 montieren

Processing steps

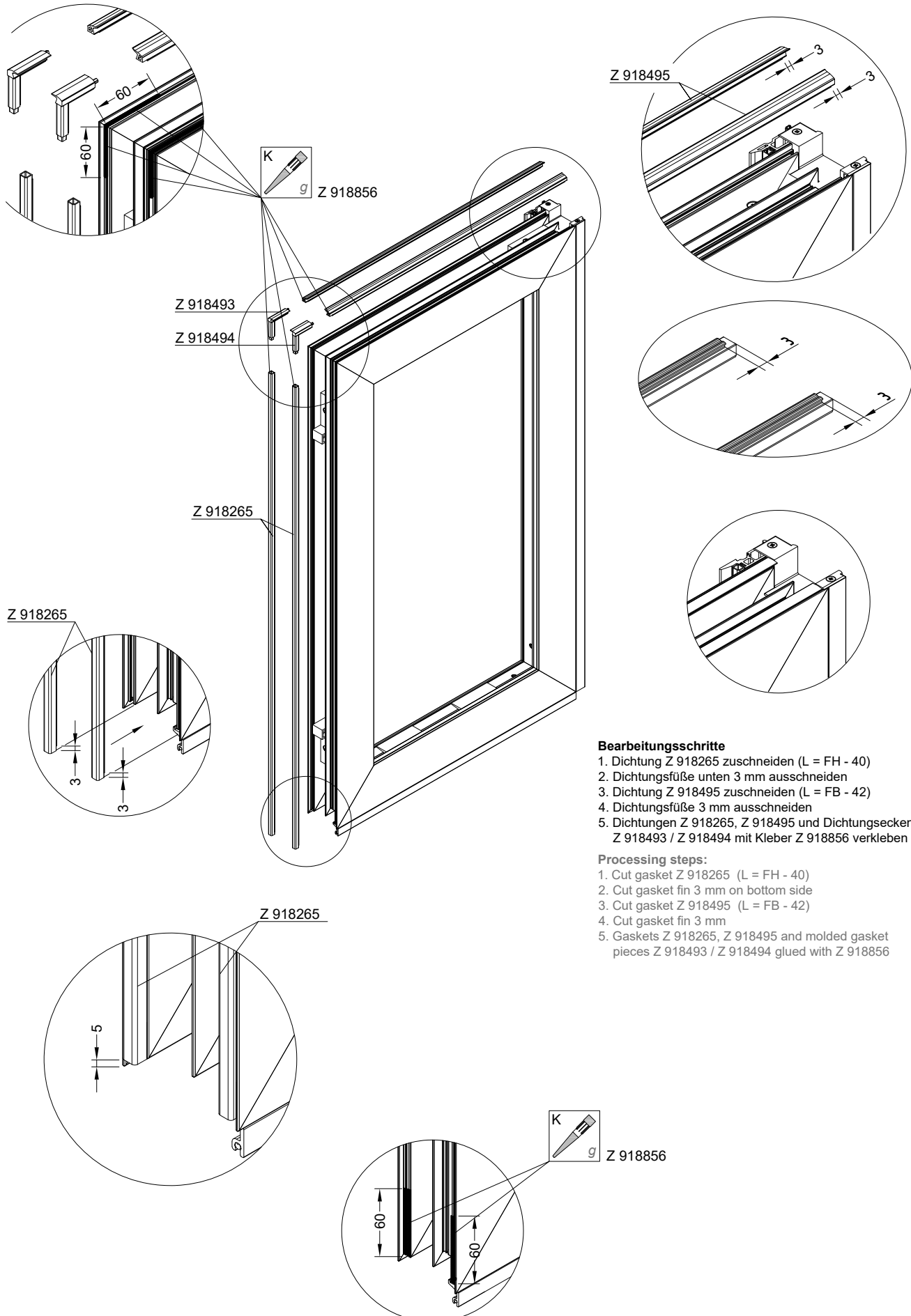
1. Adjust spacer Z 996534 / Z 996535 lateral in a distance of 100 mm from the edge of the fitting chamber. Use the opening beside the cover cap on top.
2. Fix the spacer with self-drilling screw Z 917591 or Z 917639

Abstandhalter Spacer	Flügelprofil Sash profile
Z 996534	B 813232 / B 813233
Z 996535	B 813234 / B 813235

Z 996534 /
Z 996535



MONTAGE
ASSEMBLY

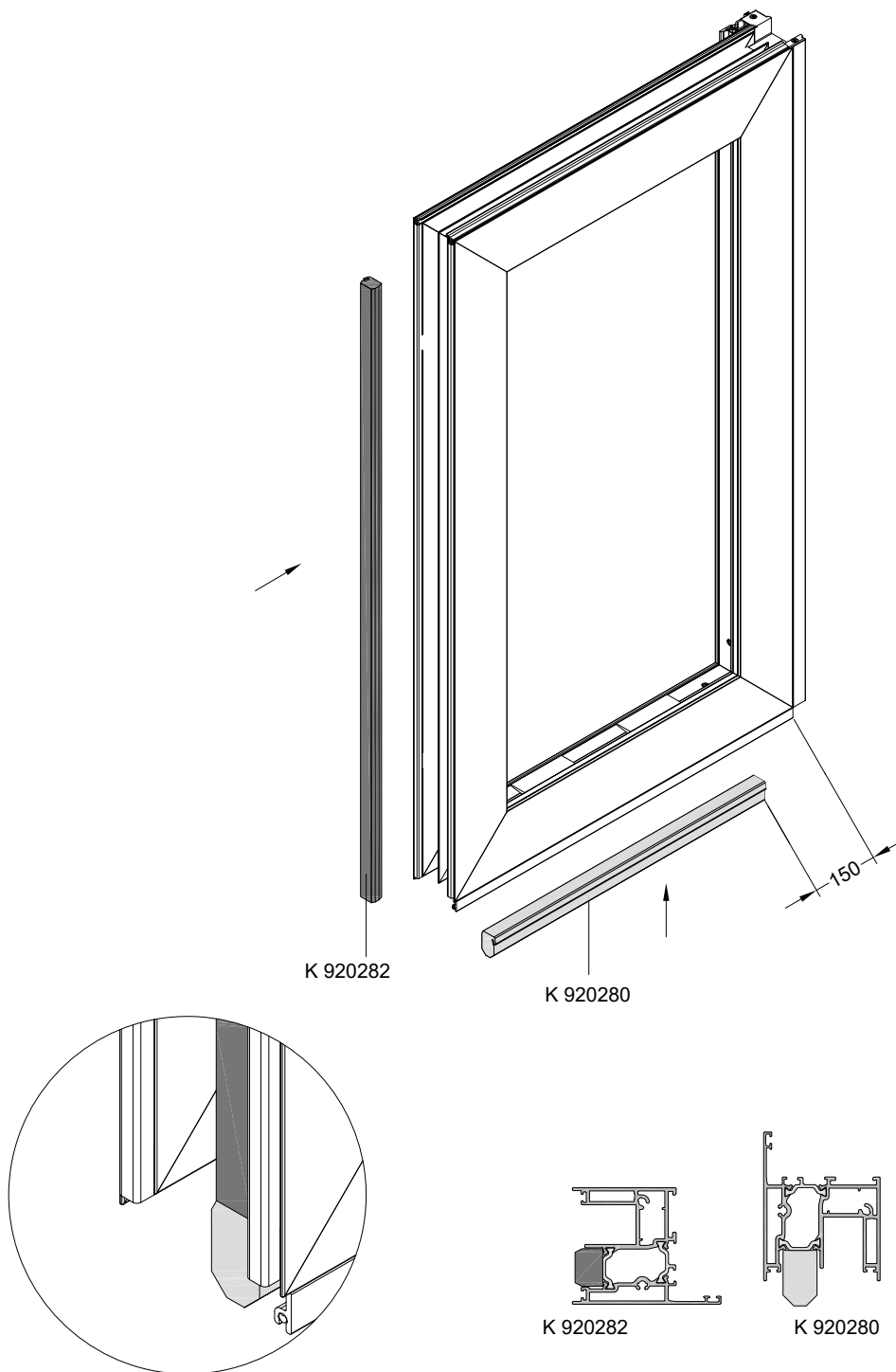


Bearbeitungsschritte

1. Dichtung Z 918265 zuschneiden (L = FH - 40)
2. DichtungsfüÙe unten 3 mm ausschneiden
3. Dichtung Z 918495 zuschneiden (L = FB - 42)
4. DichtungsfüÙe 3 mm ausschneiden
5. Dichtungen Z 918265, Z 918495 und Dichtungsecken Z 918493 / Z 918494 mit Kleber Z 918856 verkleben

Processing steps:

1. Cut gasket Z 918265 (L = FH - 40)
2. Cut gasket fin 3 mm on bottom side
3. Cut gasket Z 918495 (L = FB - 42)
4. Cut gasket fin 3 mm
5. Gaskets Z 918265, Z 918495 and molded gasket pieces Z 918493 / Z 918494 glued with Z 918856



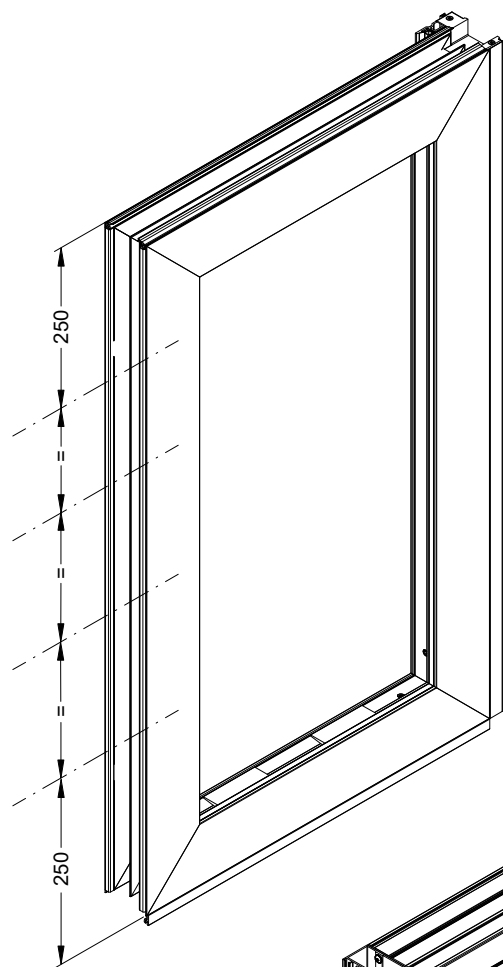
Bearbeitungsschritte (optional)

1. Einschiebling K 920280 ablängen (L = FB - 150)
2. Einschiebling K 920282 passend ablängen L = FH - 90
3. Einschieblinge (selbstklebend) auf die Isolierzone aufsetzen

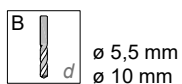
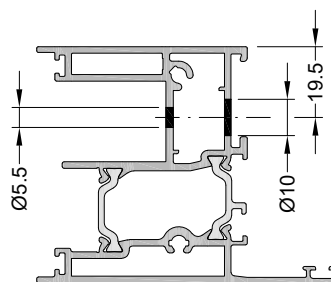
Processing steps (optionally)

1. Cut the insulation profile K 920280 (L = FB - 150)
2. Cut the insulation profile K 920282 L = FH - 90
3. Place the insulation profile (self-adhesive) on the insulation area

MONTAGE
ASSEMBLY



Mindestens vier Verschraubungen pro Standflügel vorsehen
Minimum of four screwing connections per inactive sash

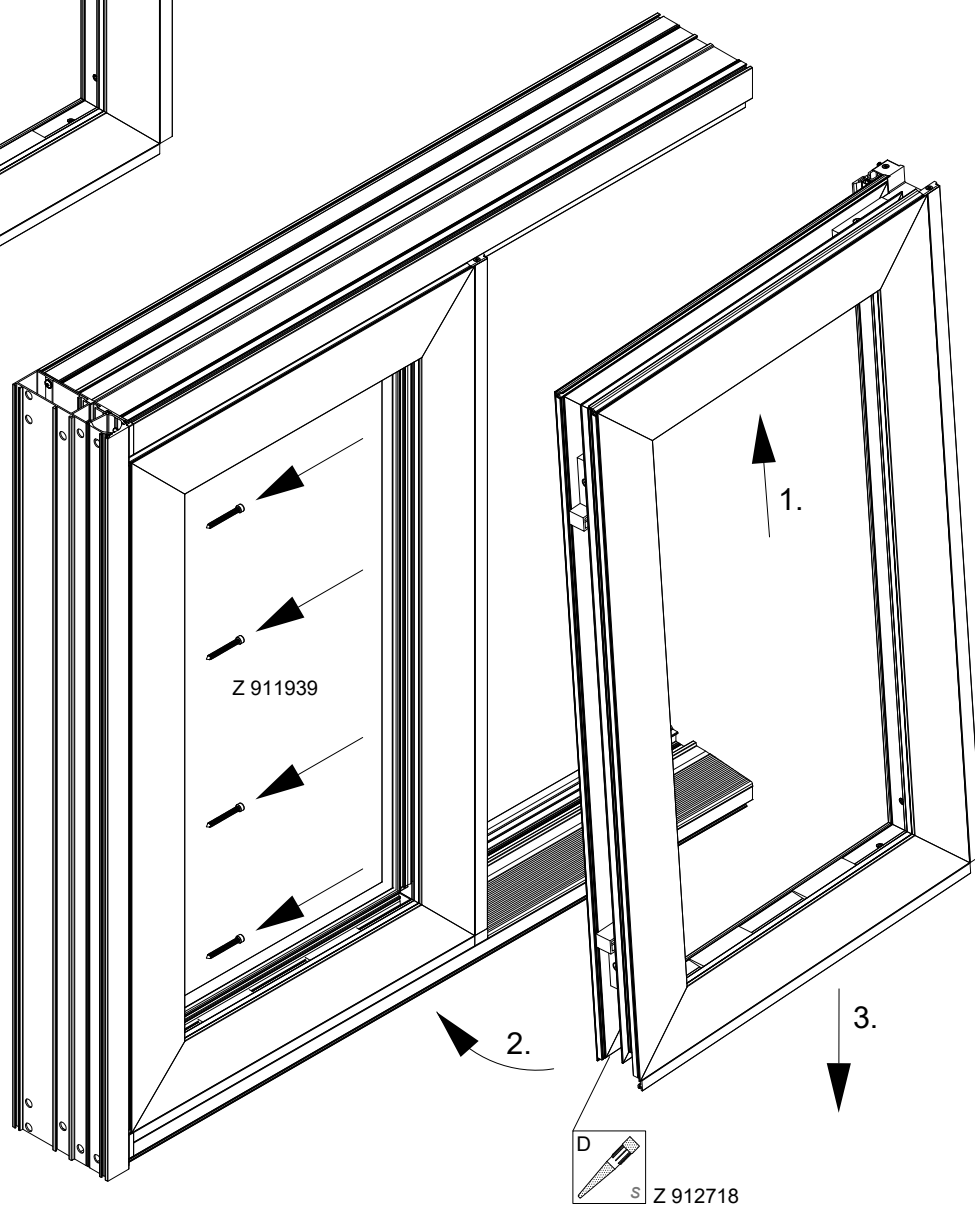


Bohrungen für Standflügelmontage

1. Durch die Glasleistenaufnahme des Flügels Löcher mit Bohrer \varnothing 5,5 mm bohren
2. Die Bohrungen auf der Glasleistenseite auf \varnothing 10 mm aufbohren

Drill holes for assembling the inactive sash

1. Drill holes in the nest for the glassbead of the sash with \varnothing 5,5 mm
2. Drill the holes on the glassbead side with \varnothing 10 mm

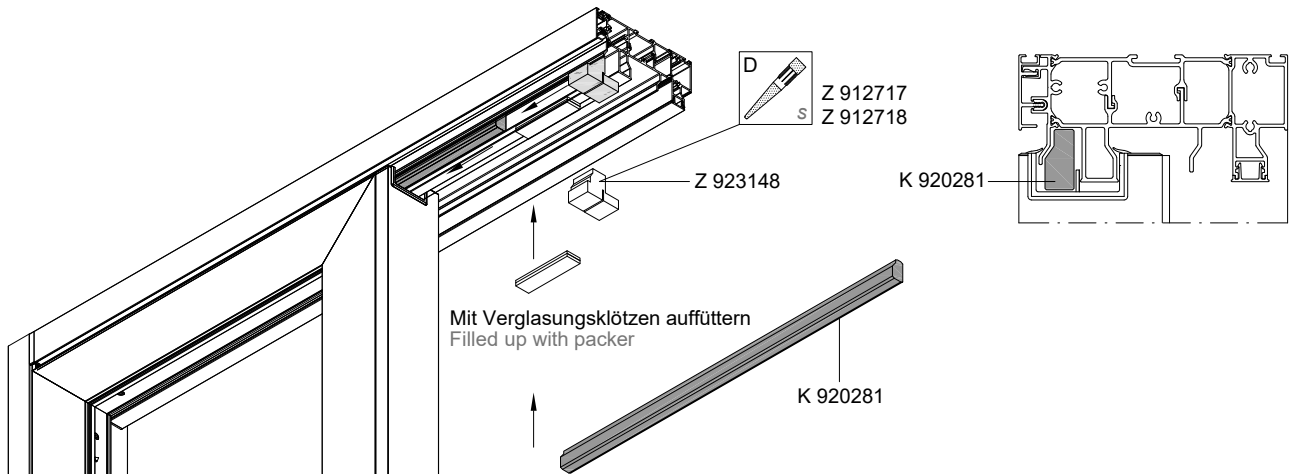


Einsetzen des Standflügels

1. Standflügel von außen in den Rahmen setzen
2. Standflügel und Rahmen mit selbstbohrender Schraube Z 911939 verschrauben

Insert the inactive sash

1. Insert the inactive sash into the frame
2. Inactive sash and the fixed frame fixed with screw Z 911939

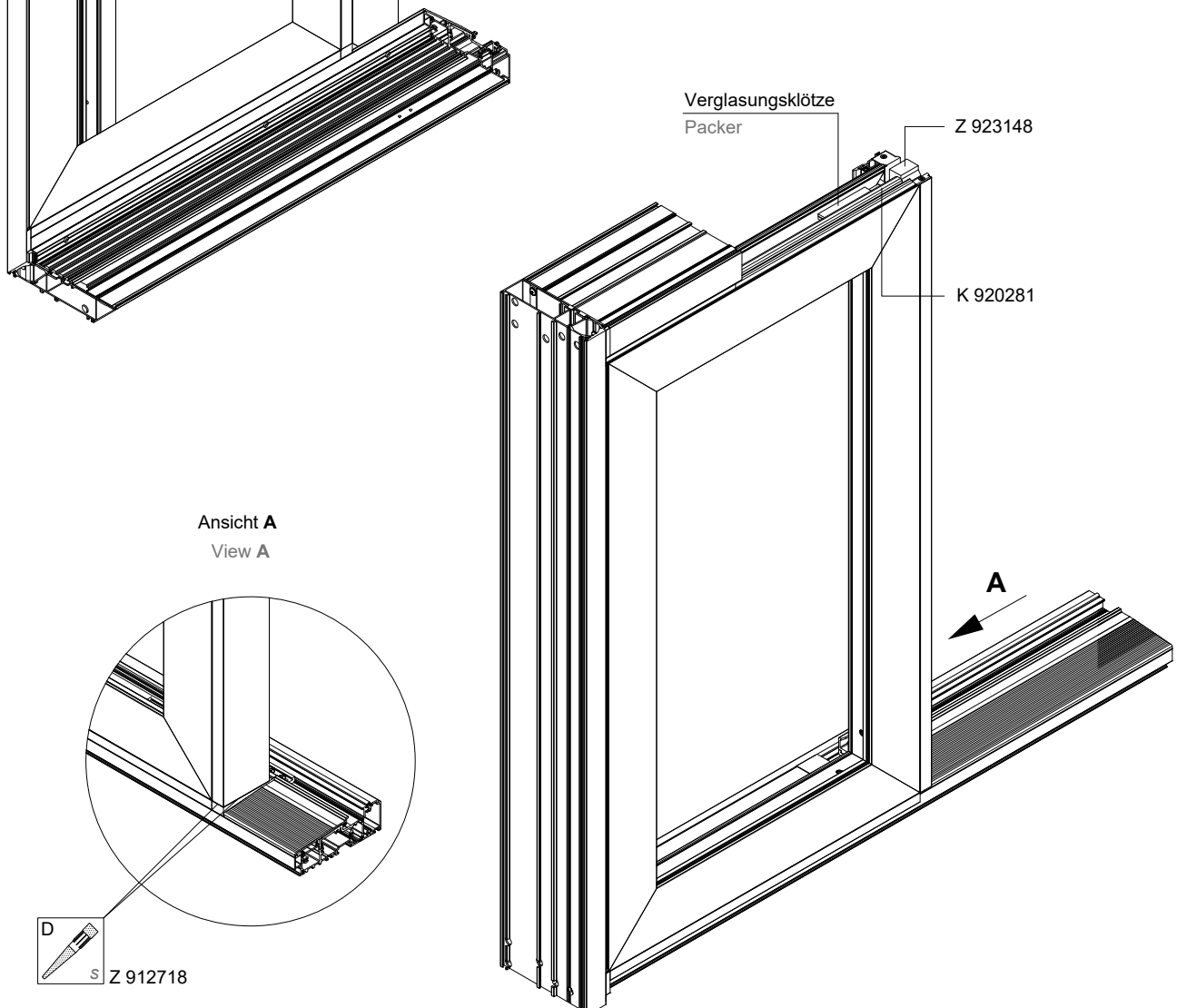


Bearbeitungsschritte

1. Standflügel zum Blendrahmen mit eingeschobenen Verglasungsklötzen auffüttern
2. Einschiebling K 920281 (L=FB) zwischen Standflügel und Blendrahmen einschieben (optional)
3. Dichtformteil Z 923148 einschieben und mit Silikon abdichten

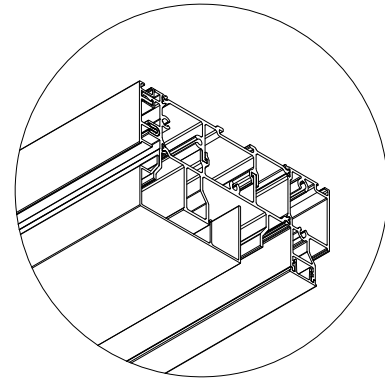
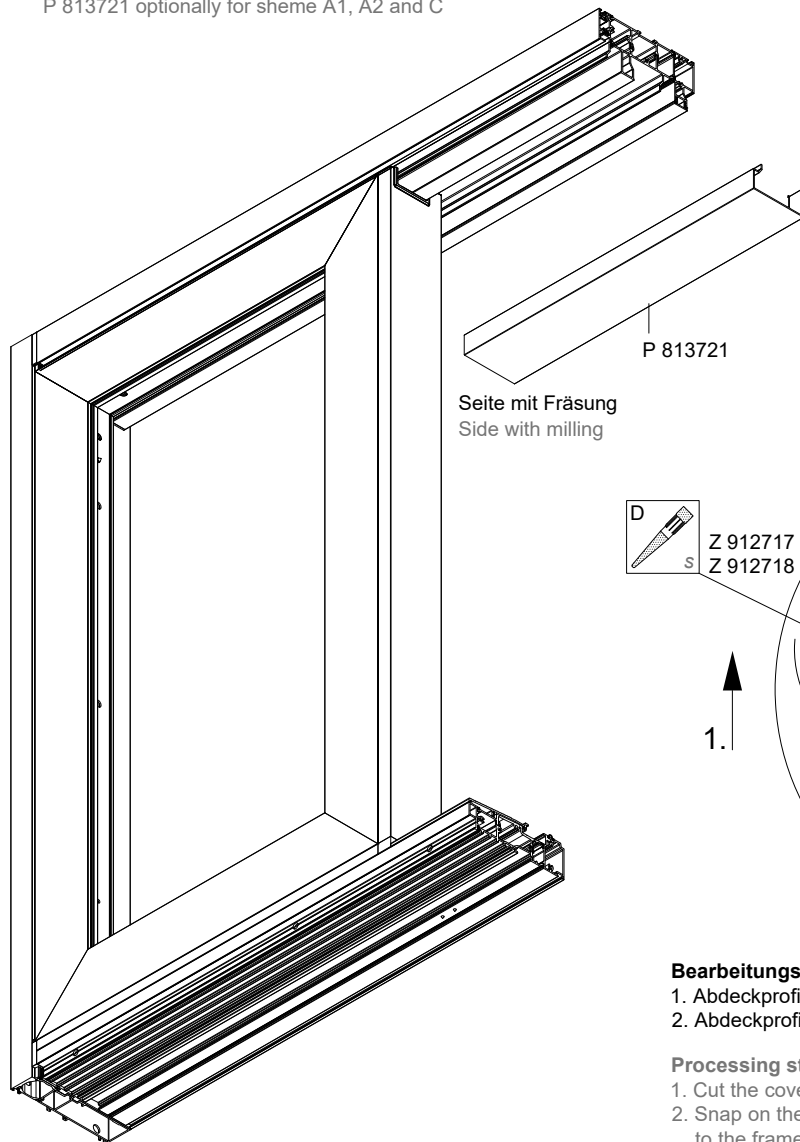
Processing steps

1. Pile up setting blocks between inactive sash and fixed frame
2. Insert insulating profile K 920281 (length = FB) between inactive sash and fixed frame (optionally)
3. Insert shaped gasket piece Z 923148 sealed with silicone



MONTAGE
ASSEMBLY

P 813721 optional für Schema A1, A2 und C
P 813721 optionally for scheme A1, A2 and C



D
S
Z 912717
Z 912718

1.

2.

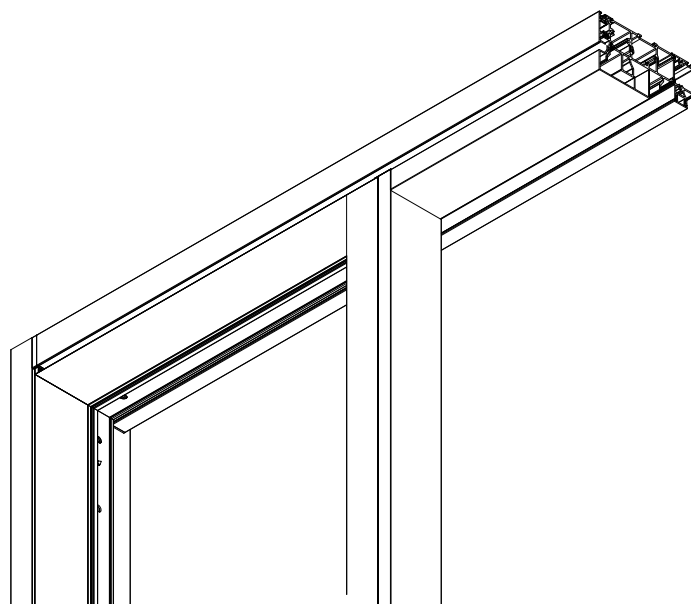
P 813721

Bearbeitungsschritte

1. Abdeckprofil P 813721 zusägen und bearbeiten
2. Abdeckprofil mit Dichtstoff in Rahmenprofil B 813032 einklipsen

Processing steps

1. Cut the cover profile P 813721 to length and mill it
2. Snap on the cover profile with sealing compound to the frame profile B 813032



3.

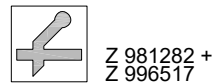
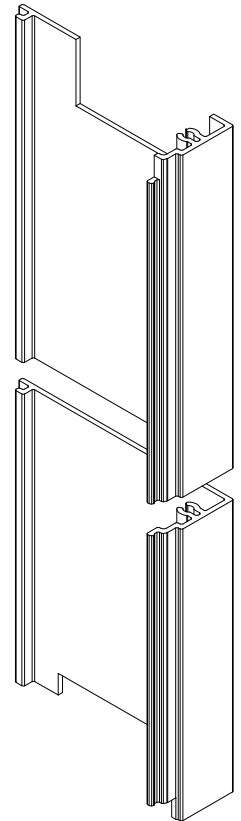
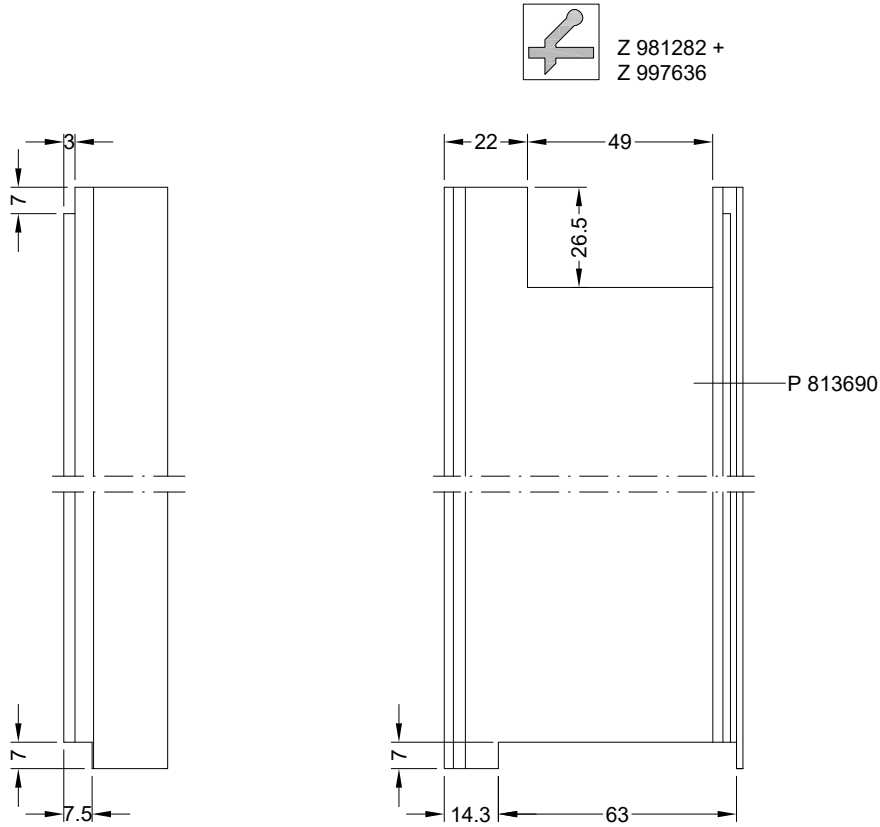
P 813721

* Klick *

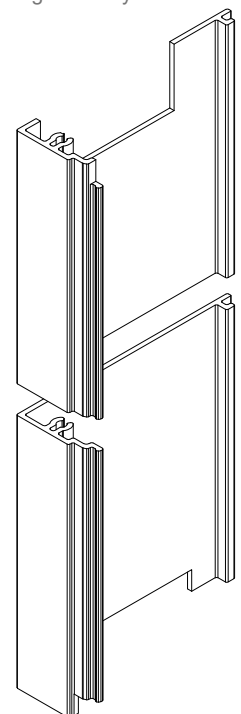
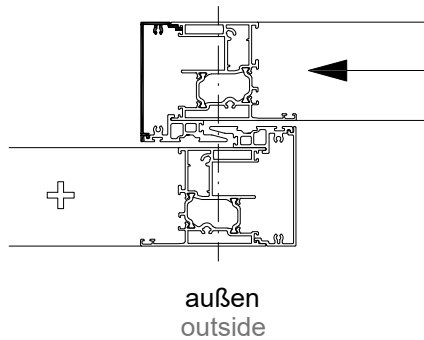
BEARBEITUNG P 813690
 PROCESSING P 813690

Darstellung zeigt Bearbeitung für Schema A2, MA2, D2, C, F und MC (linker Flügel), MG1, F (rechter Flügel)
 Schema A1, D1 und C (rechter Flügel) spiegelbildlich

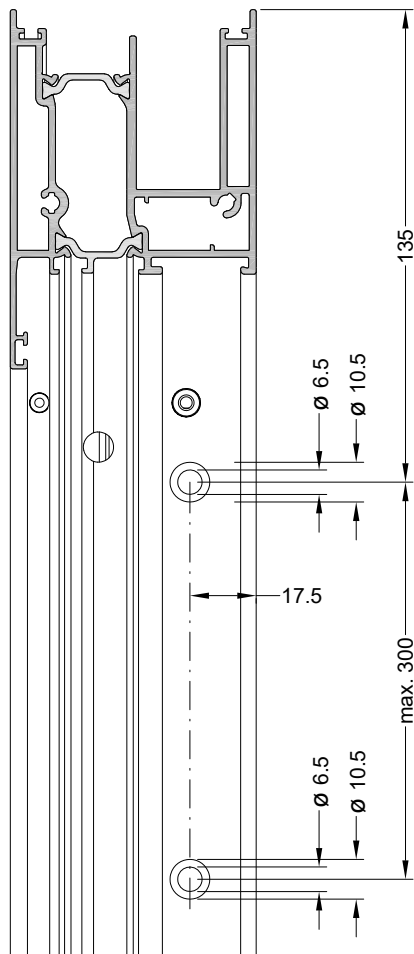
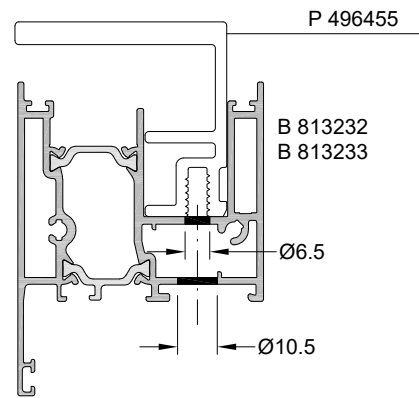
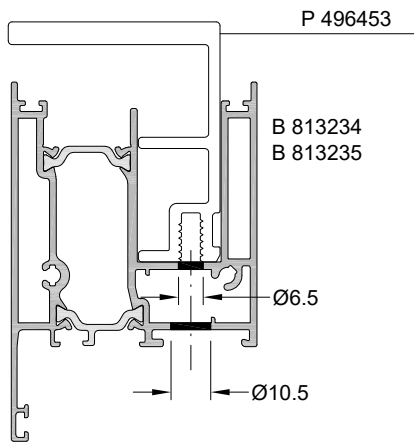
Illustration shows processing steps for scheme A2, MA2, D2, C, F and MC (left sash), MG1, F (right sash)
 Scheme A1, D1 and C (right sash) is inversely



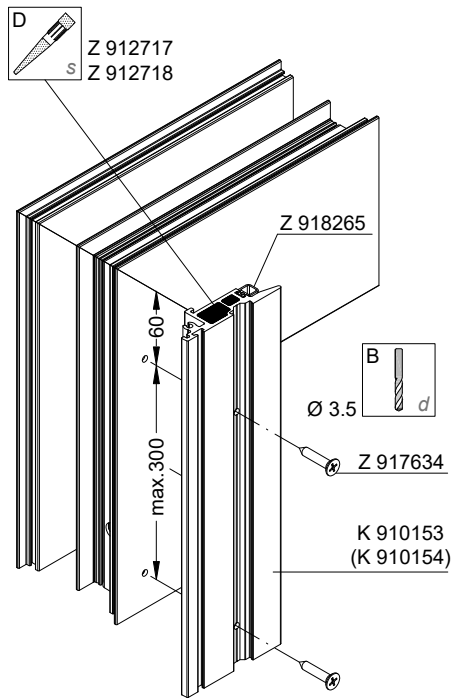
Bearbeitung spiegelbildlich
 Processing inversely



BEARBEITUNG • FLÜGEL MIT STATIKPROFIL
PROCESSING • SASH WITH STATIC PROFILE



MONTAGE
ASSEMBLY

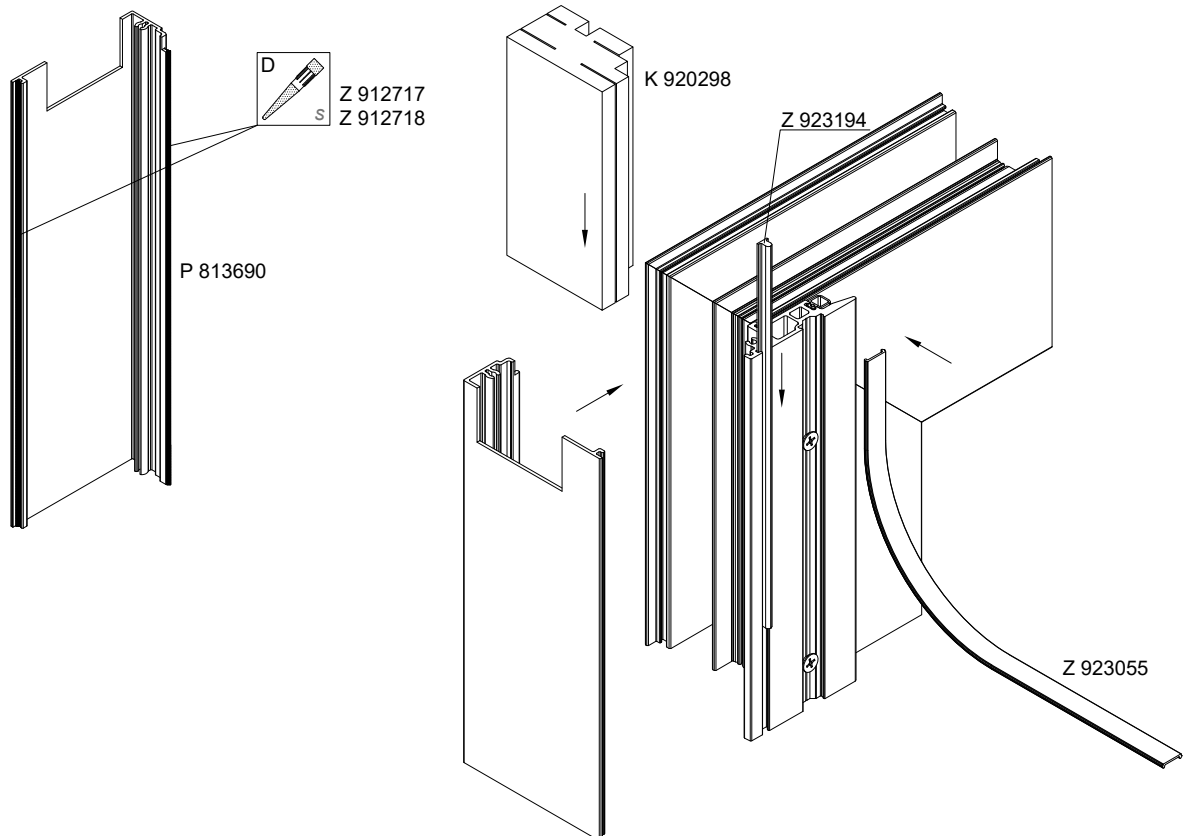


Bearbeitungsschritte

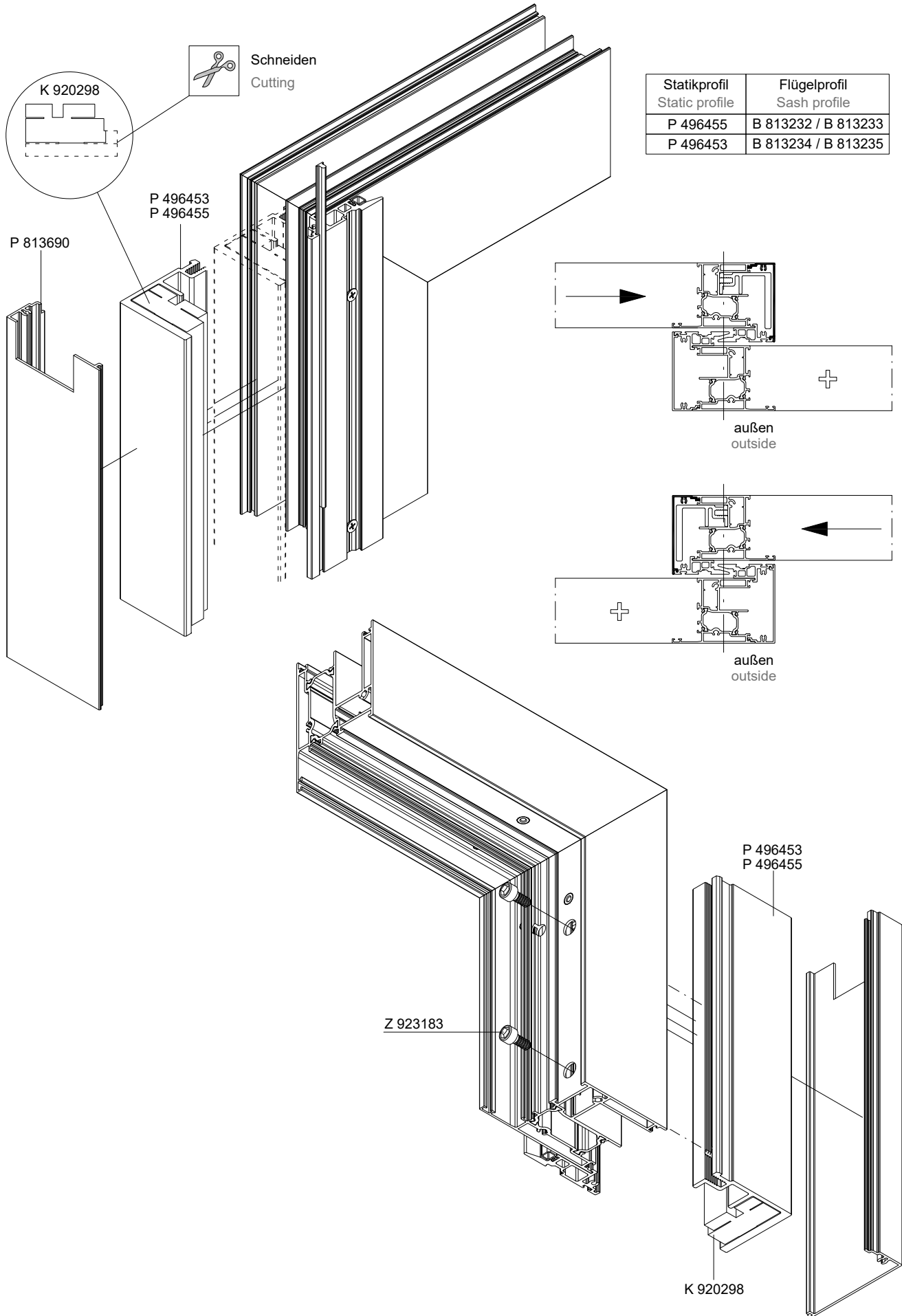
1. Labyrinthprofil K 910154 / K 910153 stirnseitig oben versiegeln
2. Labyrinthprofil mit Flügel oben bündig ausrichten
3. Durch Labyrinthprofil und Flügelprofil mit $\varnothing 3,5$ mm bohren.
Abstand zum Profilende 60 mm, Abstand untereinander max. 300 mm
4. Dichtungen Z 918265 und Z 923194 in Profil K 910153 / K 910154 einziehen und mit EPDM Kleber Z 903941 fixieren
5. Profil mit Schrauben Z 917634 an Flügel verschrauben
6. Bearbeitetes Abdeckprofil P 813690 mit Dichtstoff aufklipsen
7. Dämmkerne K 920298 zuschneiden (L=FH-35) einschieben
8. Abdeckdichtung Z 923055 aufdrücken

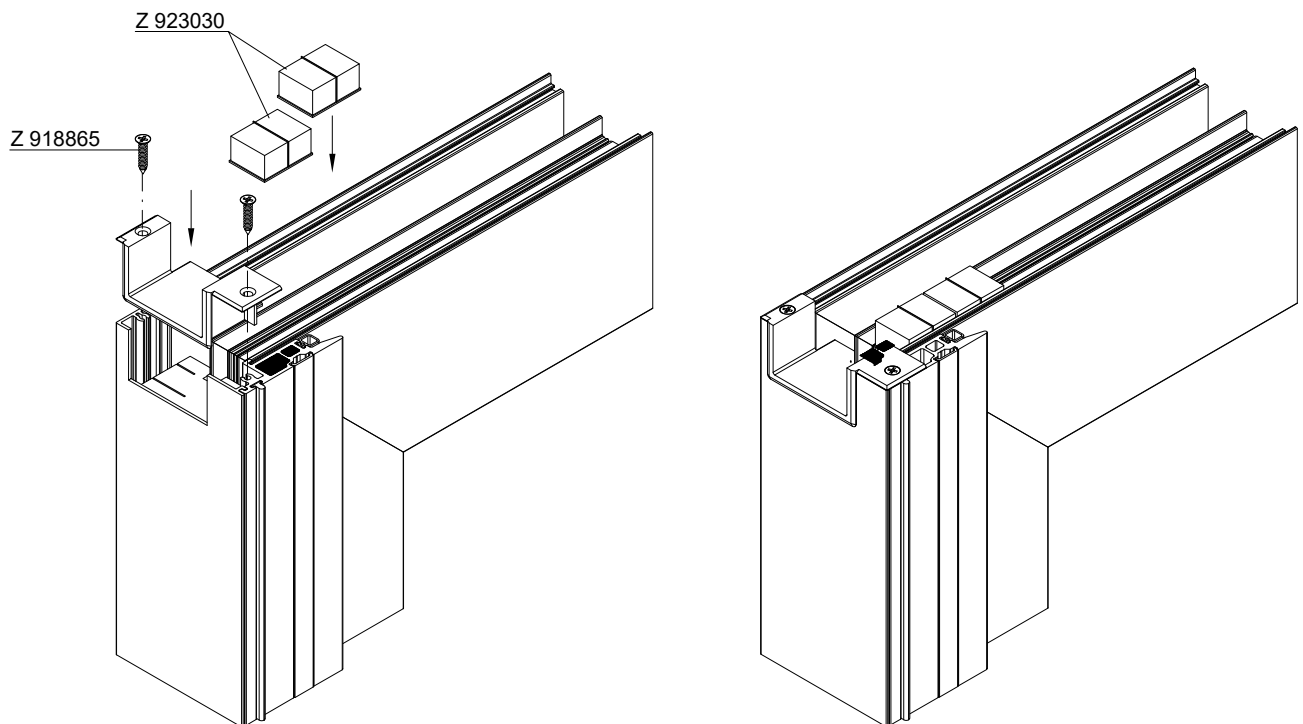
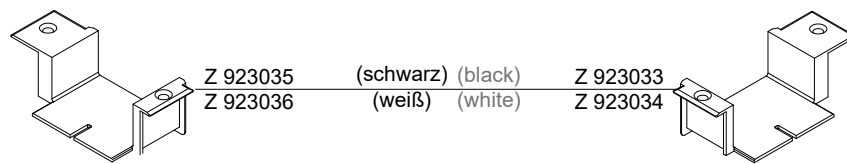
Processing steps

1. Labyrinth profile K 910154 / K 910153 sealed at the top end
2. Adjust labyrinth profile with sash on top flush
3. Drill holes through the labyrinth profile and sash profile with $\varnothing 3,5$ mm. Distance to the end of the profile 60 mm, distance between the holes maximum 300 mm
4. Insert gaskets Z 918265 and Z 923194 in profile K 910153 / K 910154 fixed with EPDM glue Z 903941
5. Fix the profile with screws Z 917634
6. The machined profile P 813690 snapped on with sealing compound
7. Slide in the cutted insulating profile K 920298 (L=FH-35)
8. Press on cover gasket Z 923055



MONTAGE
 ASSEMBLY





Bearbeitungsschritte:

Flügeloberseite: Abdeckkappe Z 923033 / Z 923035 (schwarz) oder Z 923034 / Z 923036 (weiss)
 mit 2 Schrauben Z 918865 anschrauben.
 Bürsten Z 923030 bündig zur Abdeckkappe auf den Isolatorsteg kleben

Processing steps:

Upper side of sash: Cover caps Z 923033 / Z 923035 (black) or Z 923034 / Z 923036 (white)
 fixed with screw Z 918865
 Brush pieces Z 923030 glued flush onto the insulation zone.

MONTAGE
ASSEMBLY

Bearbeitungsschritte

Flügelunterseite:

Abdeckkappe Z 918866 / Z 918868 (Z 920000 / Z 920002) (schwarz) oder Z 918867 / Z 918869 (Z 920001 / Z 920003) (weiss) im Bereich der Laufschiene ausklinken und mit 2 Schrauben Z 918865 anschrauben

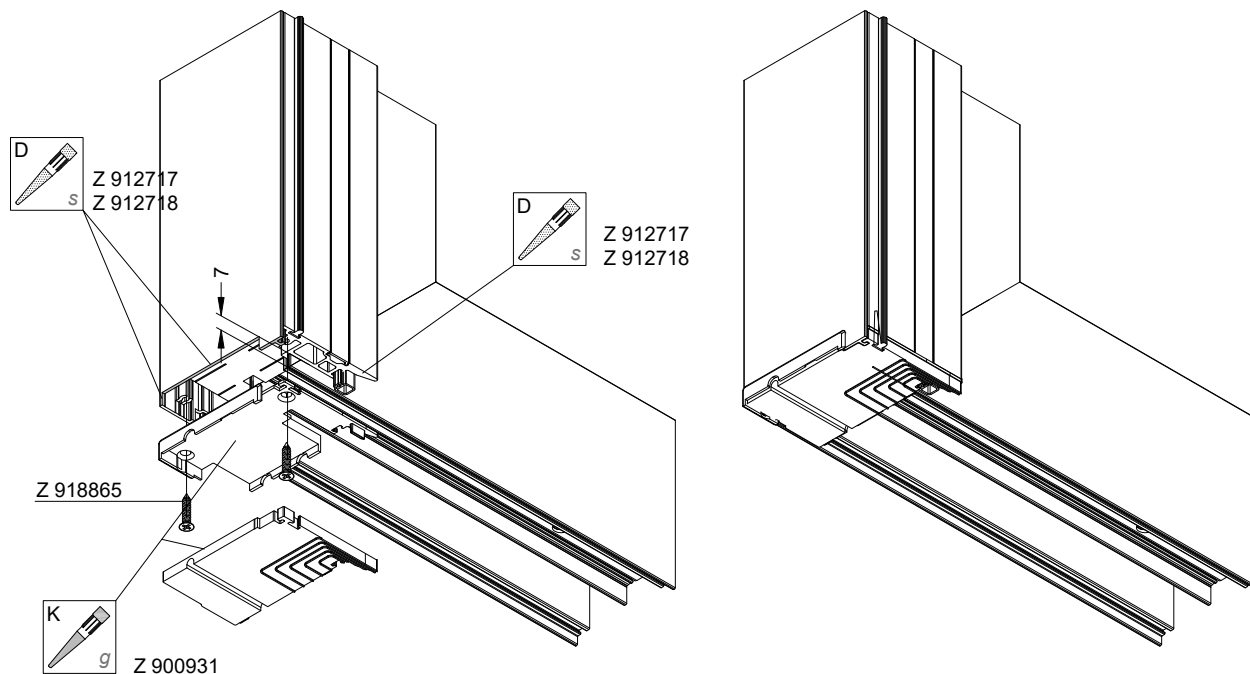
Dichtformteil mit Kleber Z900931 auf die Abdeckkappe kleben.

Processing steps:

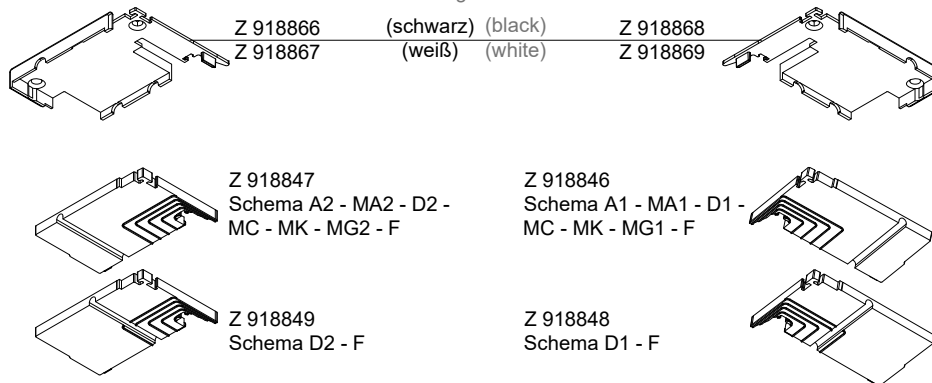
Bottom side of sash:

Cover caps Z 918866 / Z 918868 (Z 920000 / Z 920002) (black) or Z 918867 / Z 918869 (Z 920001 / Z 920003) (white) notched in the rail area and fixed with screw Z 918865

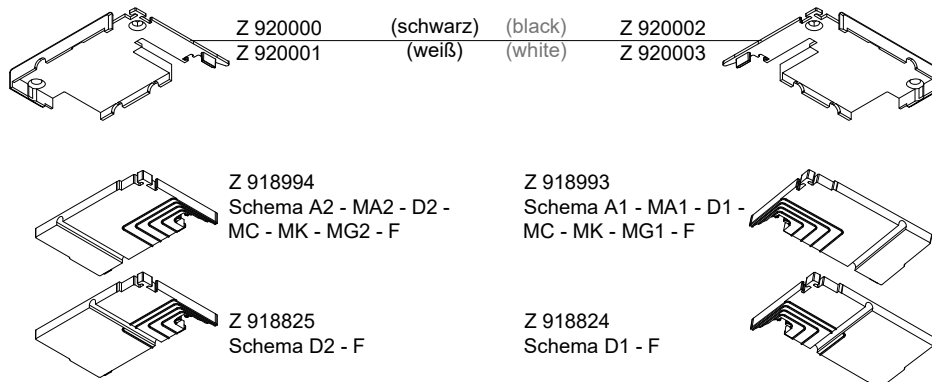
Shaped gasket pieces glued with glue Z 900931 onto cover cap



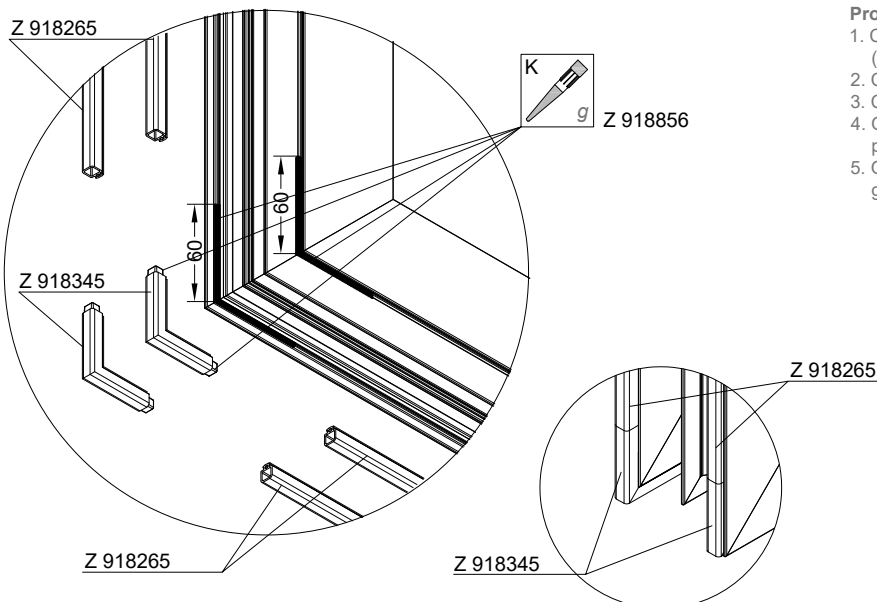
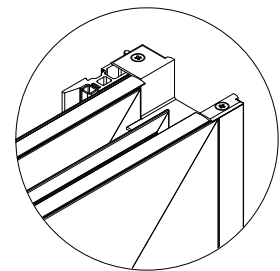
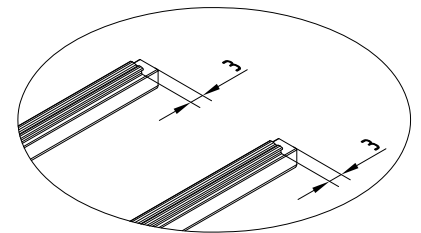
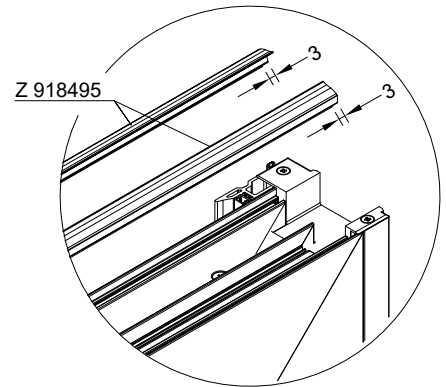
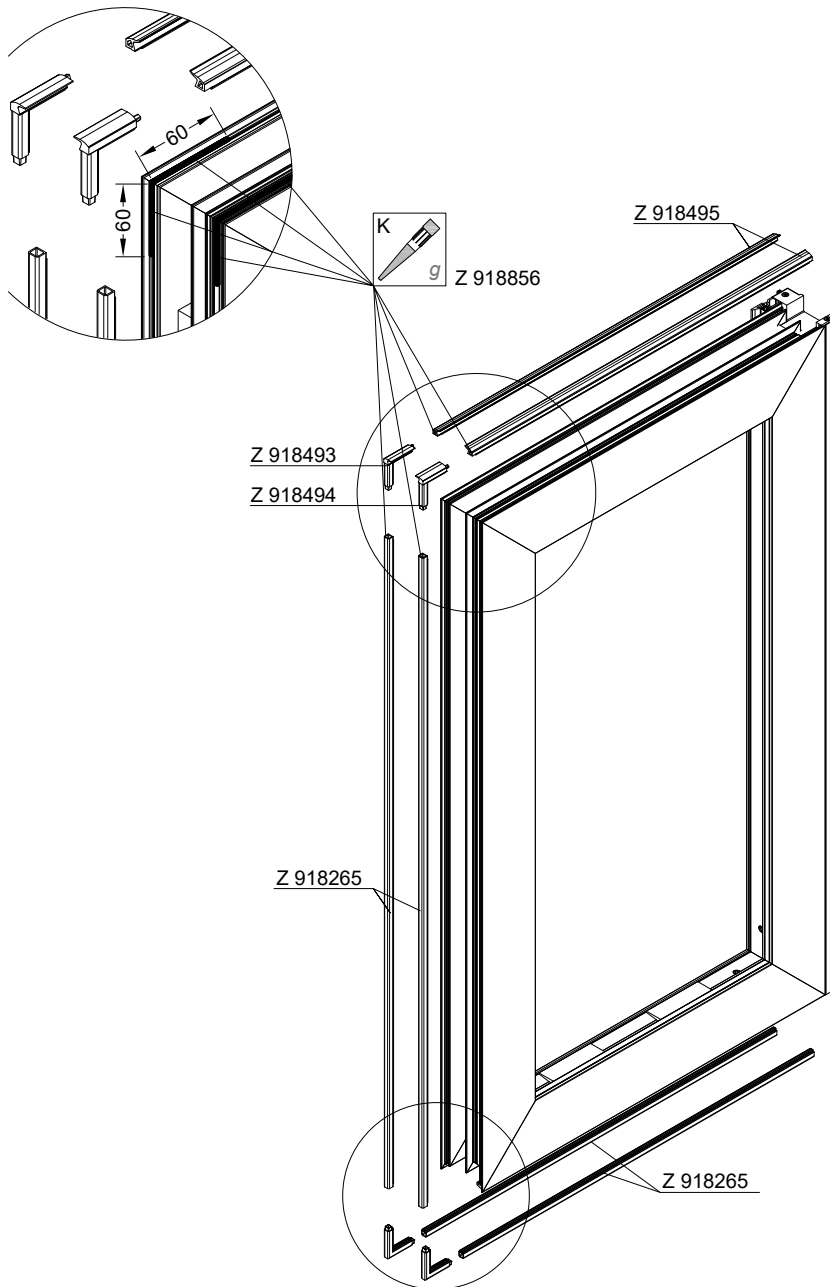
Großer Flügel
Big sash



Kleiner Flügel
Small sash



MONTAGE
 ASSEMBLY

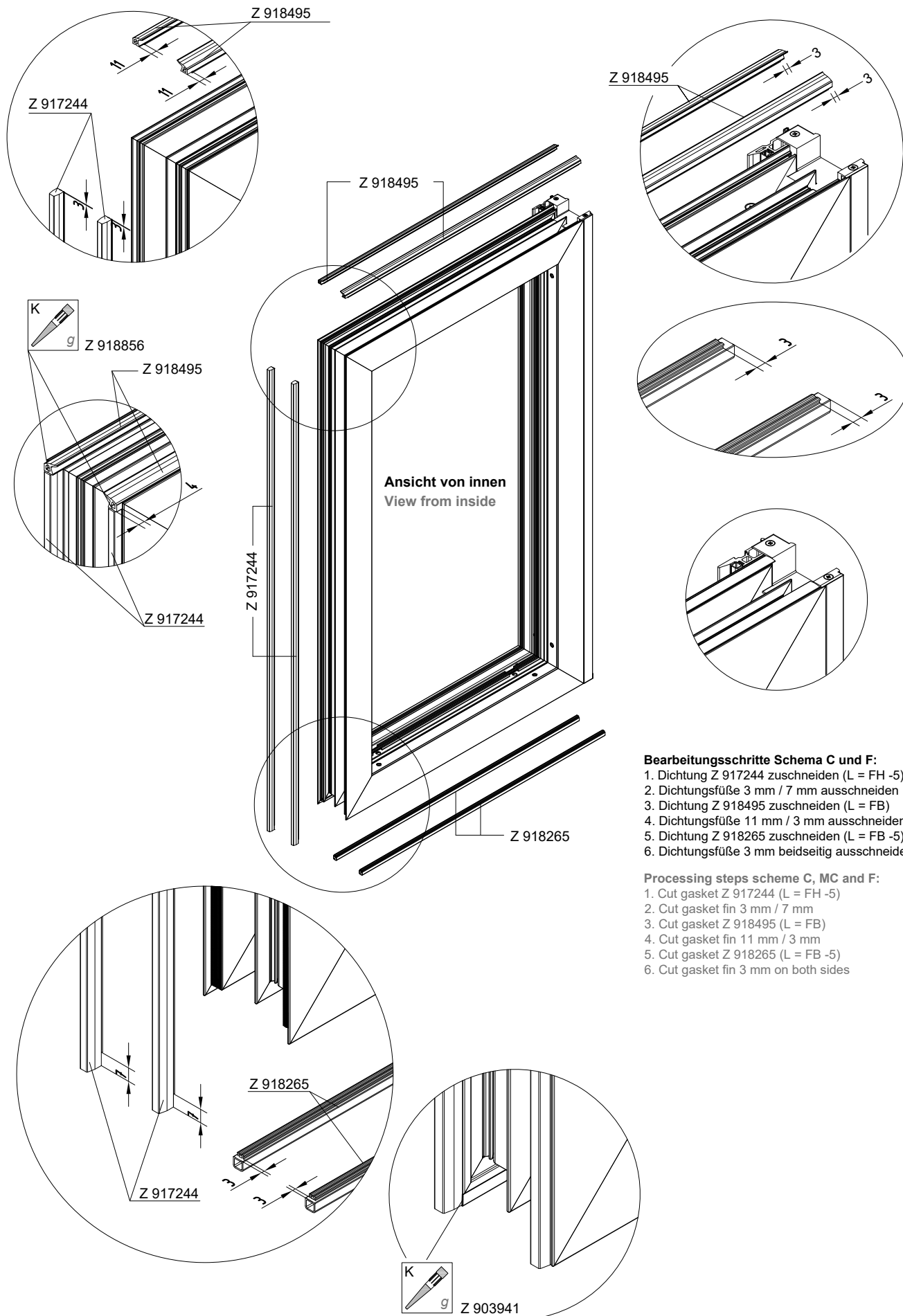


Bearbeitungsschritte

1. Dichtung Z 918265 zuschneiden (L = FH - 40)
(L = FB - 62)
2. Dichtung Z 918495 zuschneiden (L = FB - 42)
3. DichtungsfüÙe unten 3 mm ausschneiden
4. Dichtungen Z 918265, Z 918495 und Dichtungsecken Z 918493 / Z 918494 mit Kleber Z 918856 verkleben
5. Dichtung Z 918265 und Dichtungsecken Z 918345 mit Z 918856 verkleben

Processing steps:

1. Cut gasket Z 918265 (L = FH - 40)
(L = FB - 62)
2. Cut gasket Z 918495 (L = FB - 42)
3. Cut gasket fin 3 mm on bottom side
4. Gaskets Z 918265, Z 918495 and molded gasket pieces Z 918493 / Z 918494 glued with Z 918856
5. Gasket Z 918265 and shaped piece Z 918345 glued with Z 918856

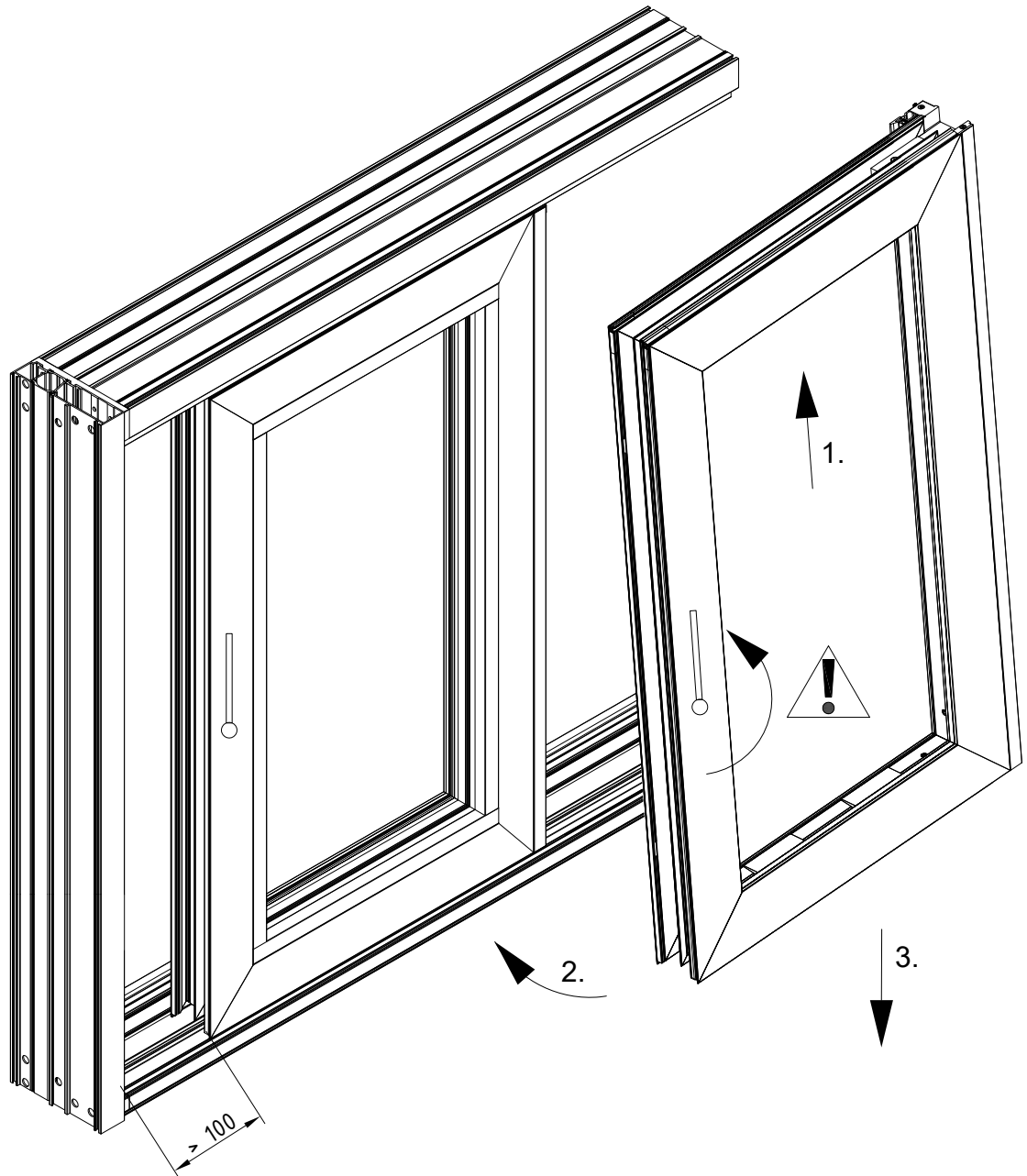


- Bearbeitungsschritte Schema C und F:**
1. Dichtung Z 917244 zuschneiden (L = FH -5)
 2. DichtungsfüÙe 3 mm / 7 mm ausschneiden
 3. Dichtung Z 918495 zuschneiden (L = FB)
 4. DichtungsfüÙe 11 mm / 3 mm ausschneiden
 5. Dichtung Z 918265 zuschneiden (L = FB -5)
 6. DichtungsfüÙe 3 mm beidseitig ausschneiden

- Processing steps scheme C, MC and F:**
1. Cut gasket Z 917244 (L = FH -5)
 2. Cut gasket fin 3 mm / 7 mm
 3. Cut gasket Z 918495 (L = FB)
 4. Cut gasket fin 11 mm / 3 mm
 5. Cut gasket Z 918265 (L = FB -5)
 6. Cut gasket fin 3 mm on both sides



Griff auf "geschlossen" stellen
 Turn the handle on "closed" position



Einsetzen des Gangflügels

Den Gangflügel mindestens 100 mm von der Endposition in den Rahmen setzen.
 Äussere Flügel von außen, innere Flügel von innen einsetzen.

Insert the active sash

Insert the active sash with a distance of min. 100 mm from the end position into the frame.
 Insert outer sashes from the outside, inner sashes from the inside.

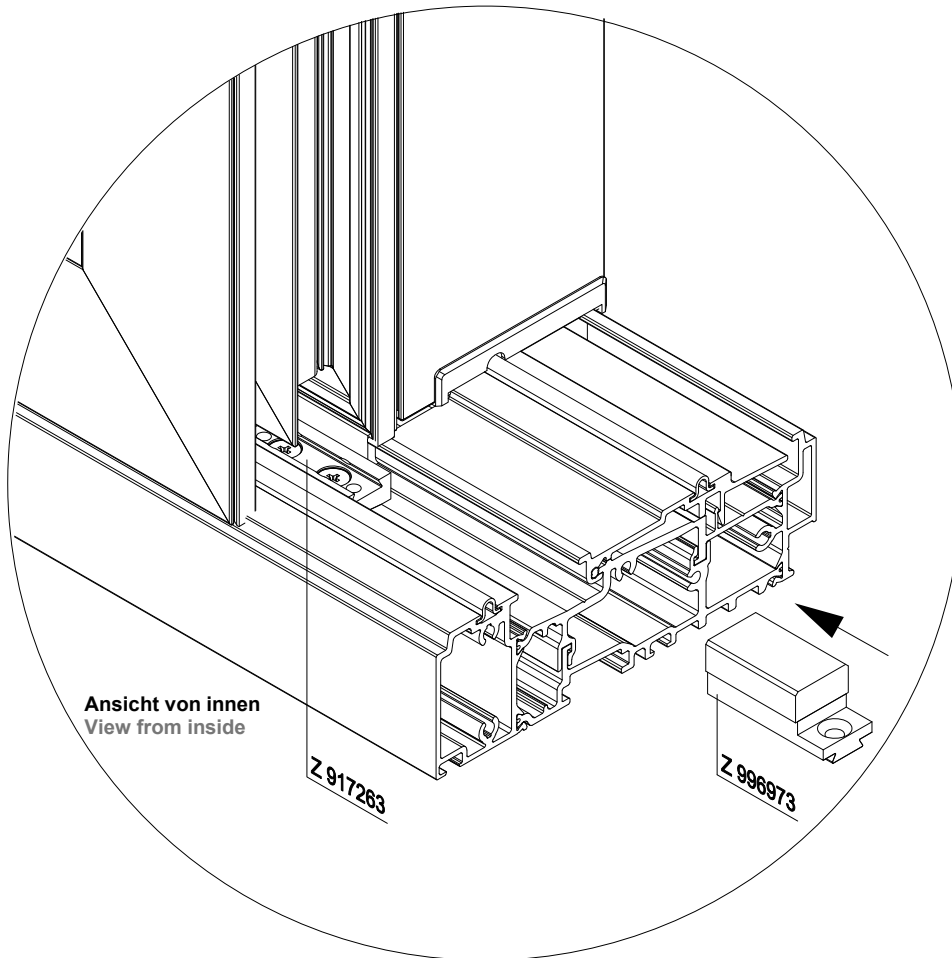
MONTAGE • MITTENVERRIEGELUNG
ASSEMBLY • CENTRAL LOCK

Bearbeitungsschritte nach Montage des Flügels:

Schließeteil Z 996973 auf Unterteil aufschieben
und mit Schraube M5x10 sichern

Processing steps after assembling the sash:

Slide in the locking part Z 996973 and fix it with screw M5x10

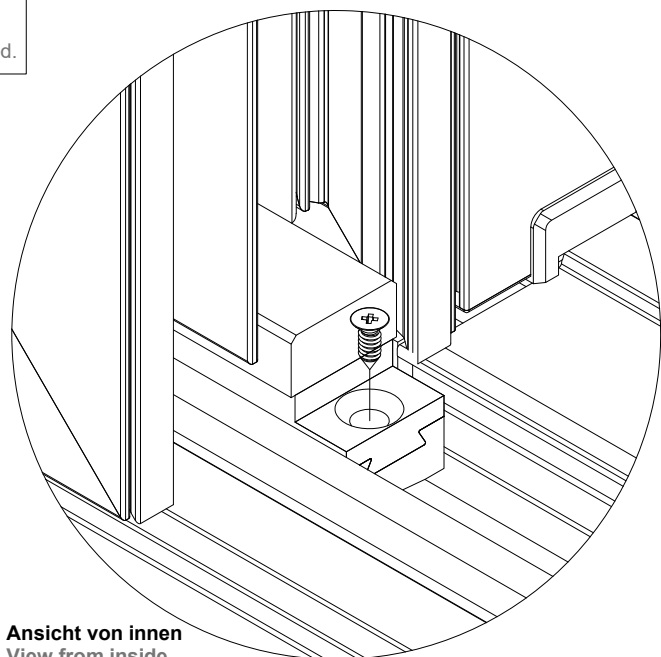


Hinweis:

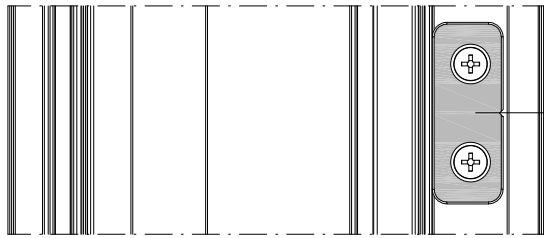
Das Schließeteil Z 996973 kann nur bei gänzlich geöffnetem Flügel montiert werden. Der Griff des äusseren Flügels muss hierfür demontiert sein.

Note:

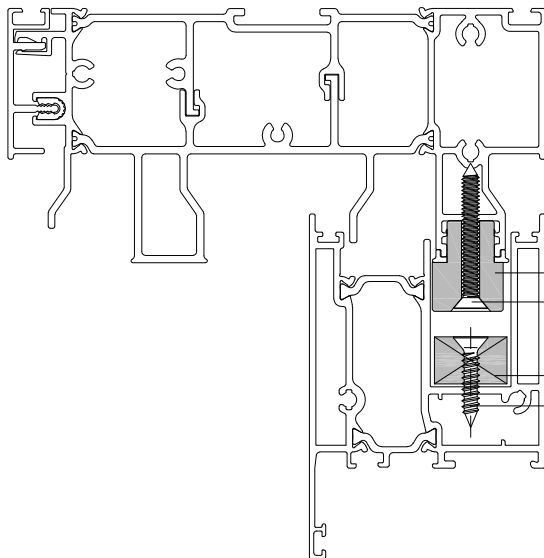
The locking part Z 996973 can only be inserted, when the sash is completely open. The handle of the outer sash has to be demounted.



PROFIL B 813234 • NUR BEI PAS-24 ANFORDERUNGEN
 PROFIL B 813234 • ONLY WITH PAS-24 REQUIREMENTS



Z 997261

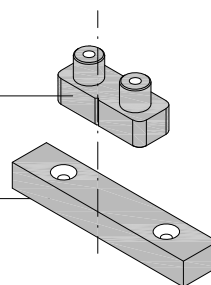
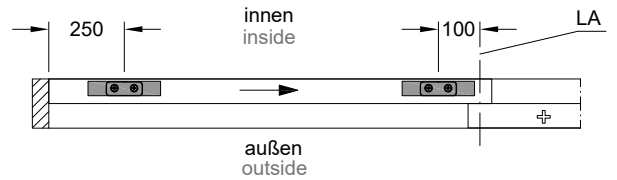


Z 997261

Z 900884

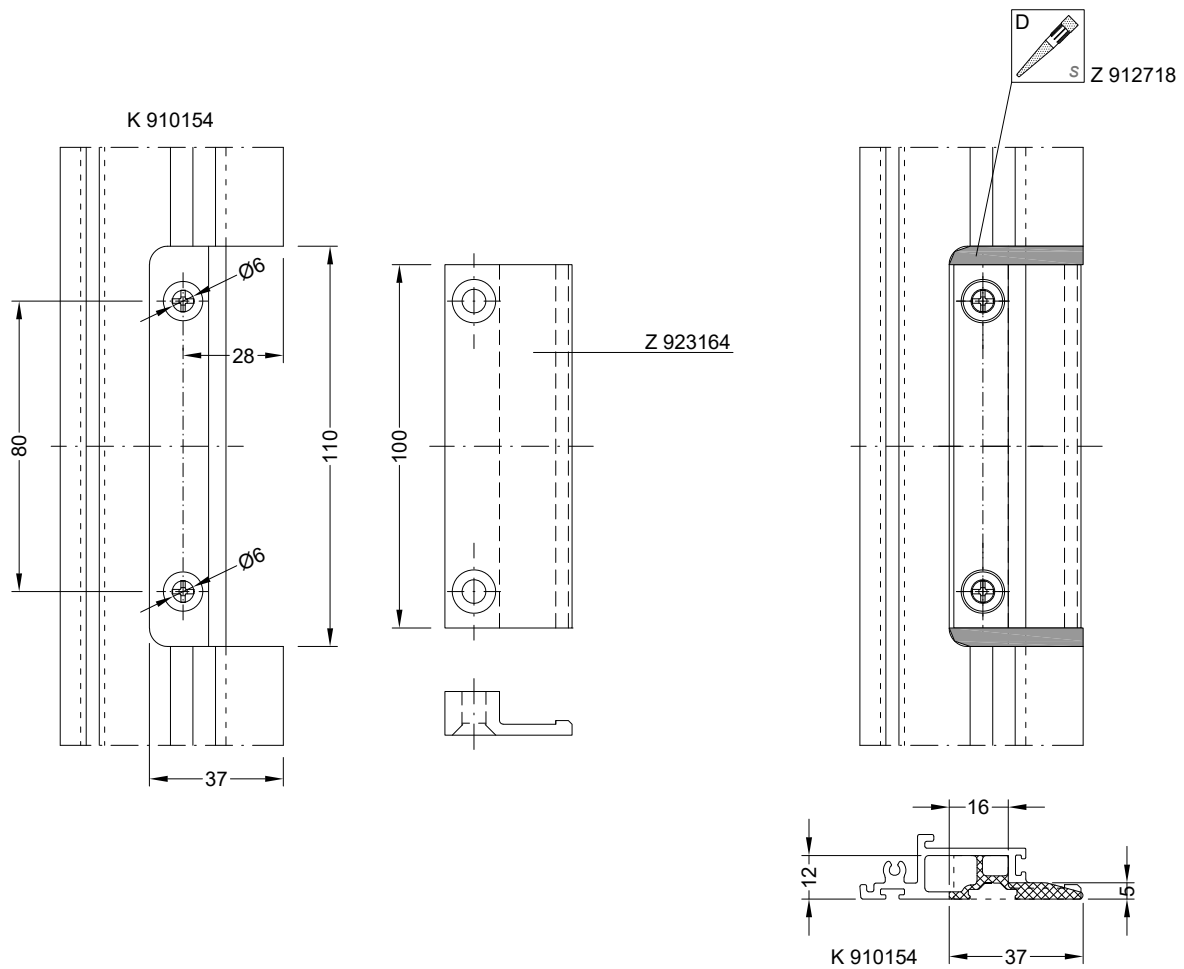
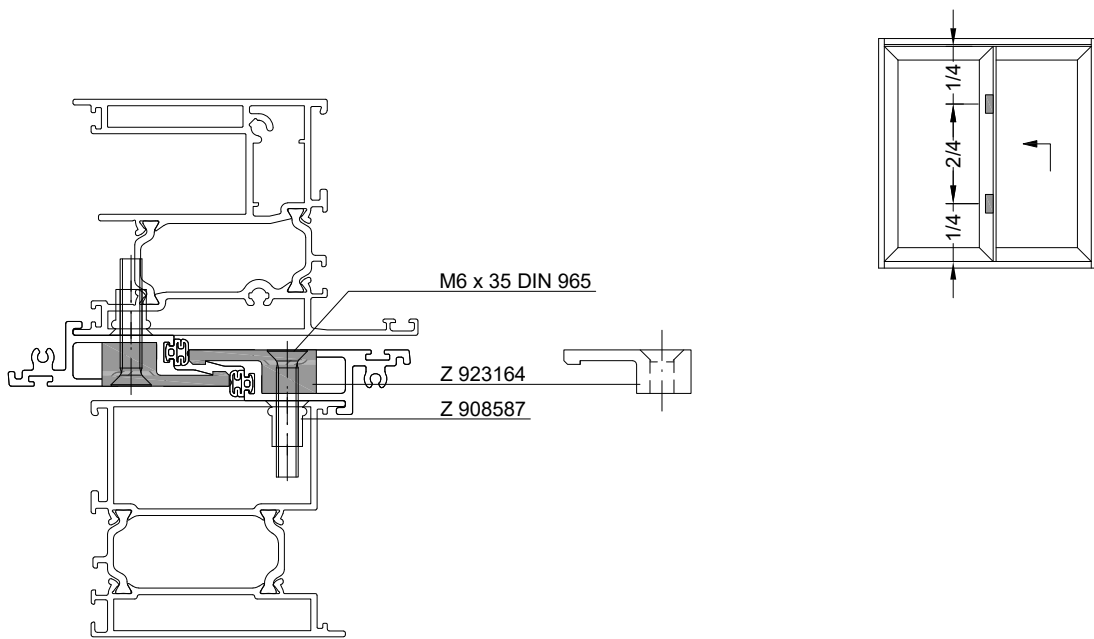
Z 923214

Z 900957



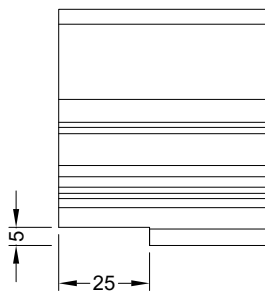
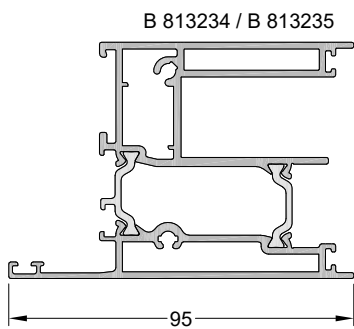
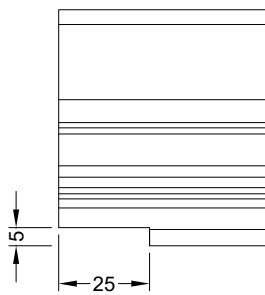
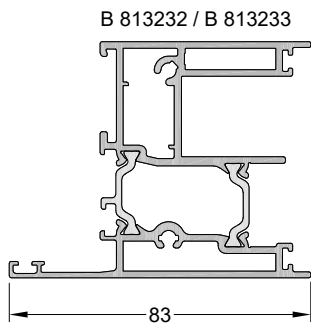
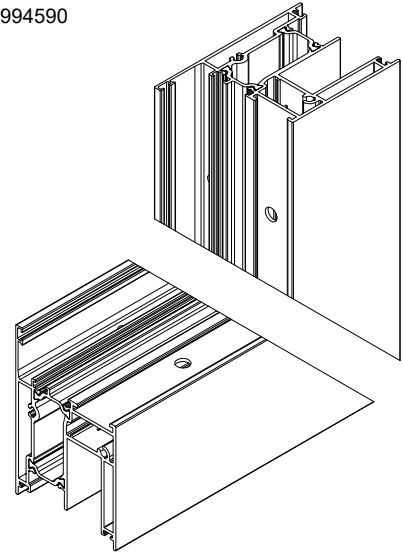
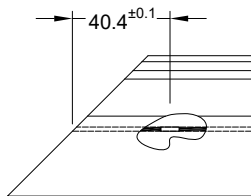
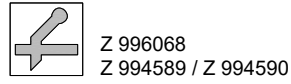
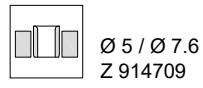
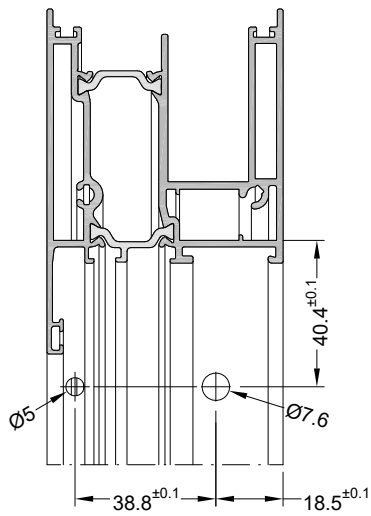
Diese Seite gilt nur bei Einbruchhemmung gemäß British Standard!
 This page is only valid for burglar resistance in accordance to British Standard!

NUR BEI PAS-24 ANFORDERUNGEN
 ONLY WITH PAS-24 REQUIREMENTS

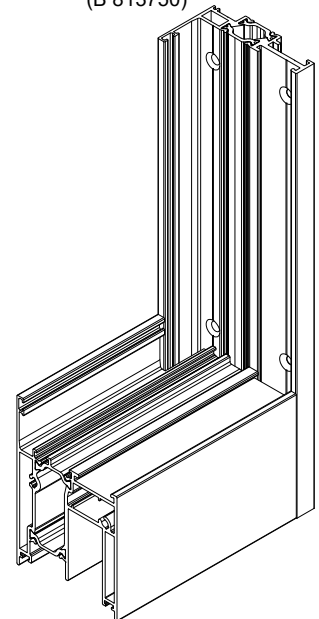


Diese Seite gilt nur bei Einbruchhemmung gemäß British Standard!
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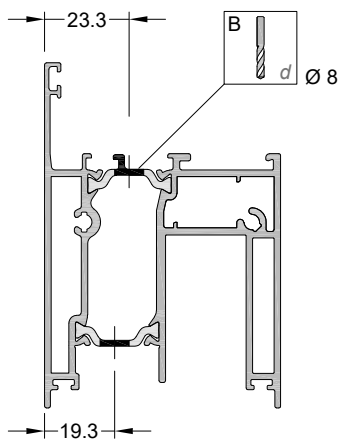
FLÜGELBEARBEITUNG • SCHMALES LABYRINTH
 SASH PROCESSING • NARROW LABYRINTH



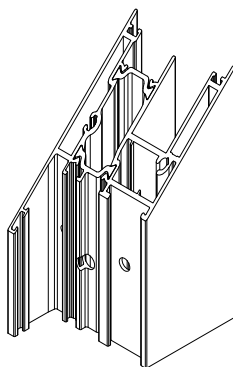
B 813740
 (B 813750)



DAMPFDROCKAUSGLEICH BEI FLÜGELPROFILIEN OHNE DÄMMKERN
 VAPOUR PRESSURE EQUALIZATION OF SASH PROFILES WITHOUT INSULATING CORE



B 813232 B 813233
 (B 813234 B 813235)



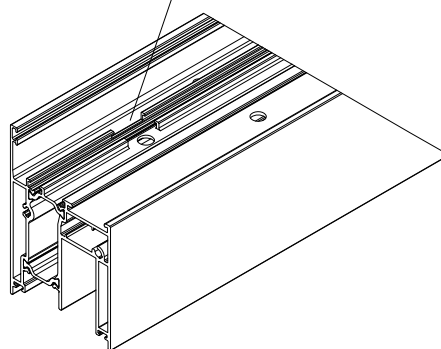
Flügelprofil seitlich oben
 Sash profil lateral on top

Bearbeitungsschritte
 1. Bohrungen $\varnothing 8$ mm bohren
 2. Profil ausfräsen

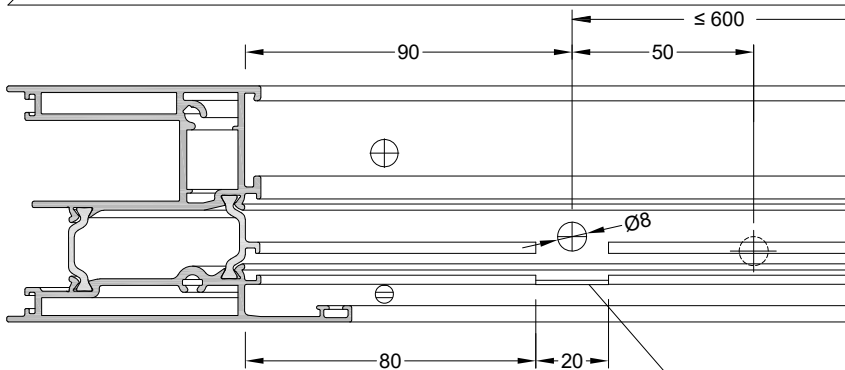
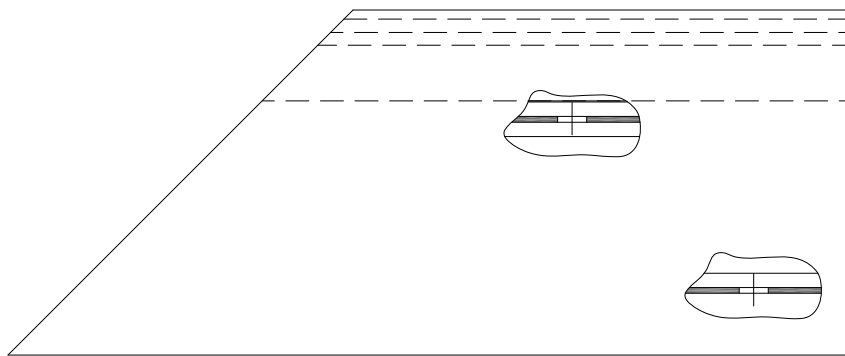
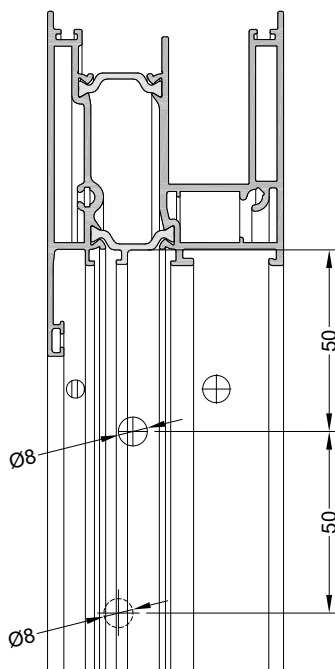
Processing steps
 1. Drill holes $\varnothing 8$ mm
 2. Mill the profile



Fräser
 Milling cutter

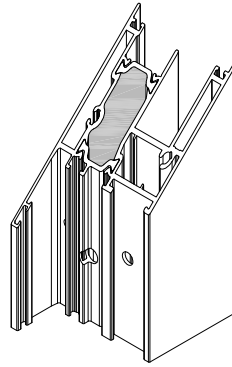
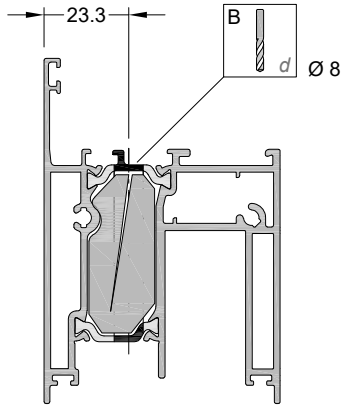


Flügelprofil unten
 Sash profil bottom



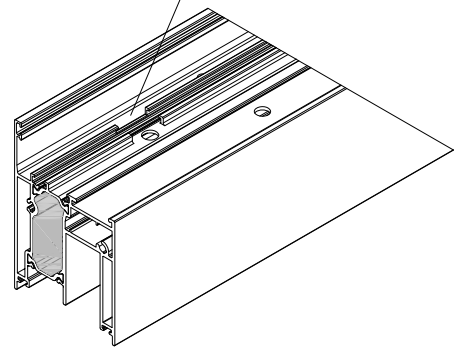
Fräser
 Milling cutter

DAMPFDRUCKAUSGLEICH BEI FLÜGELPROFILEN MIT DÄMMKERN
 VAPOUR PRESSURE EQUALIZATION OF SASH PROFILES WITH INSULATING CORE

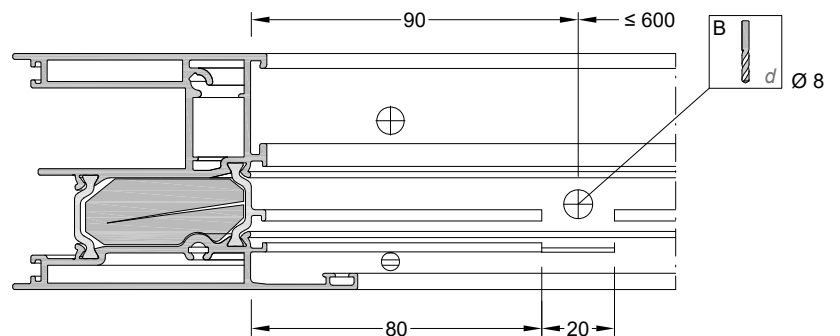
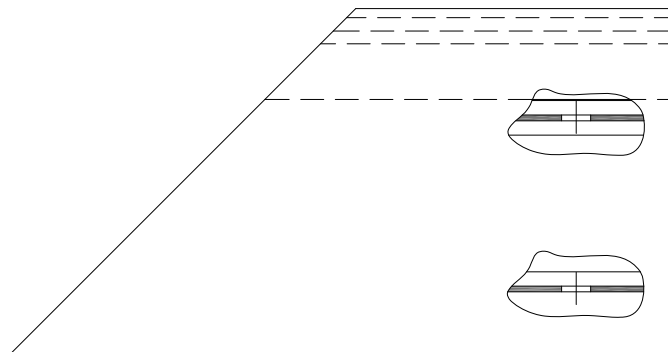
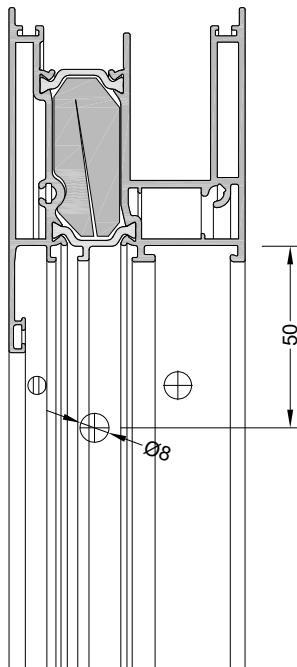


Flügelprofil seitlich oben
 Sash profil lateral on top

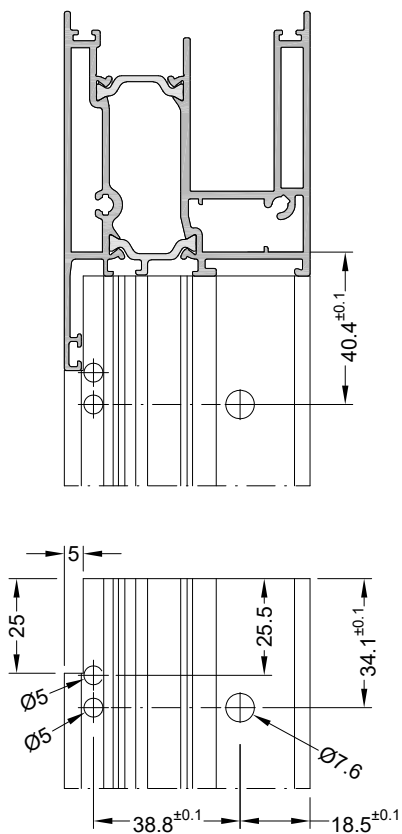
B 813232 B 813233
 (B 813234 B 813235)



Flügelprofil unten
 Sash profil bottom



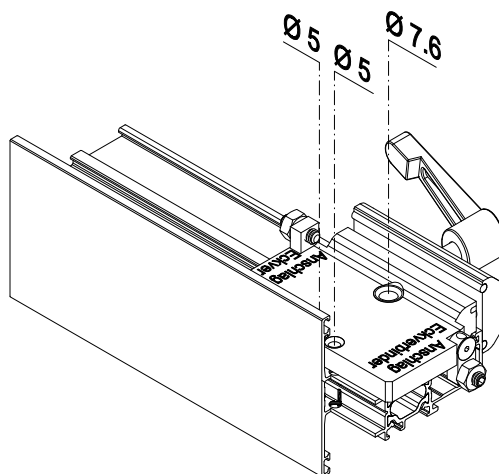
SPROSSENBEARBEITUNG
 TRANSOM PROCESSING



Z 996068



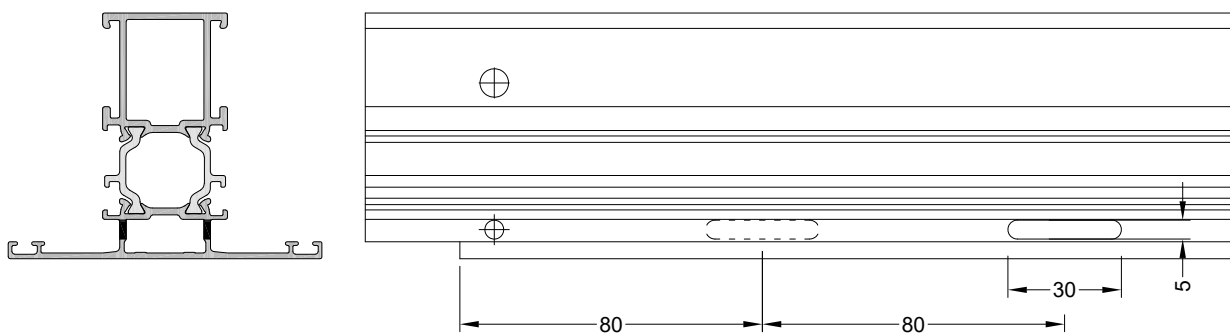
Ø 5 / Ø 7.6
 Z 914709



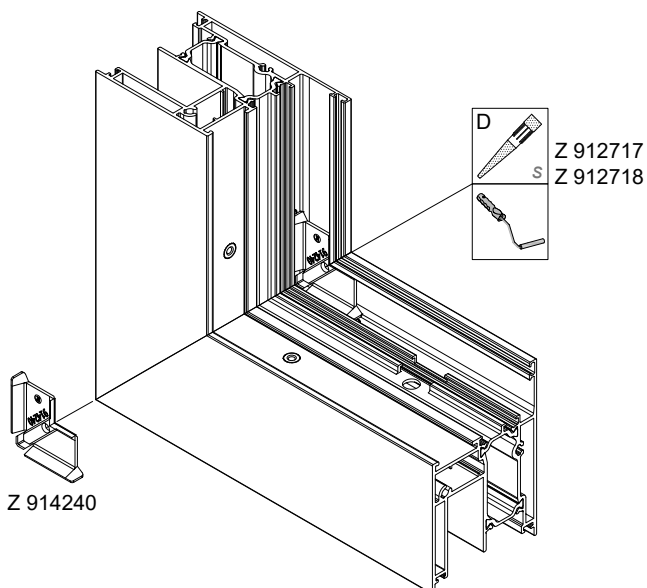
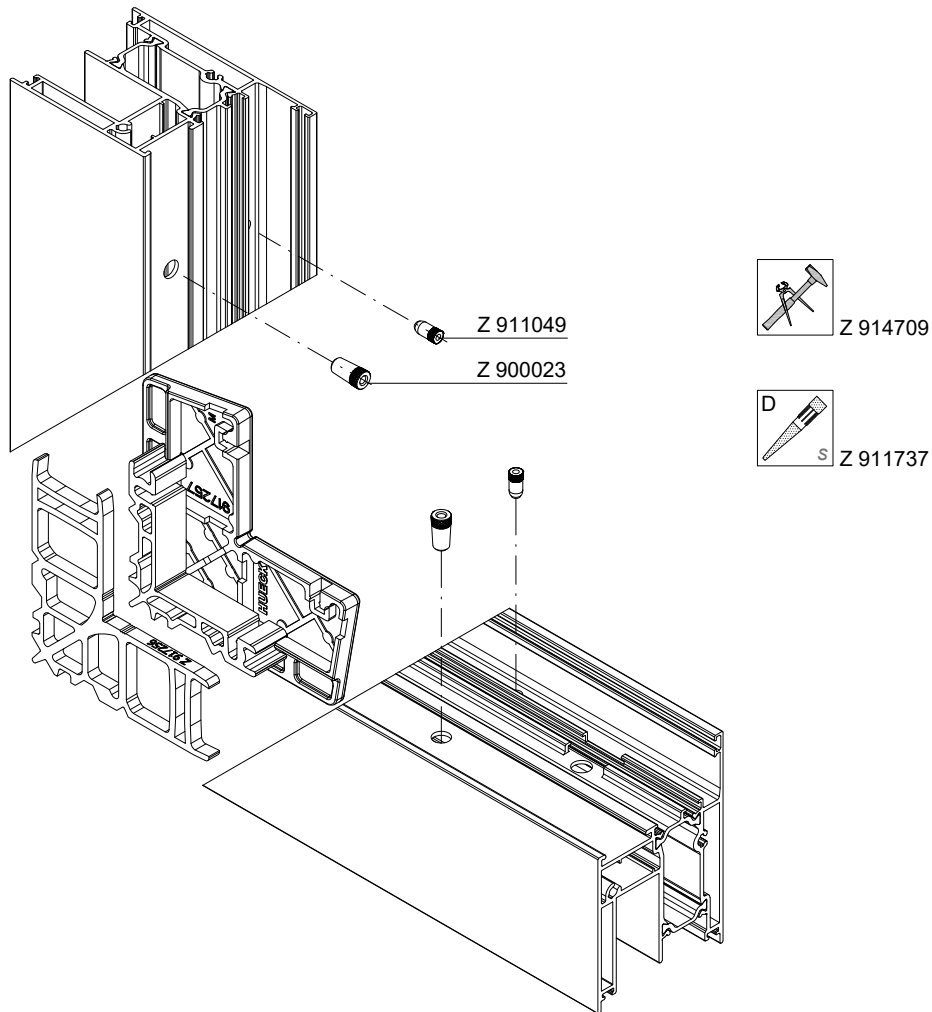
Vorkammerentwässerung durch geschlossene Vorkammer
 Front chamber drainage through closed front chamber



m 5 x 30



FLÜGELRAHMENVERBINDUNG
 SASH FRAME CONNECTION



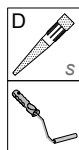
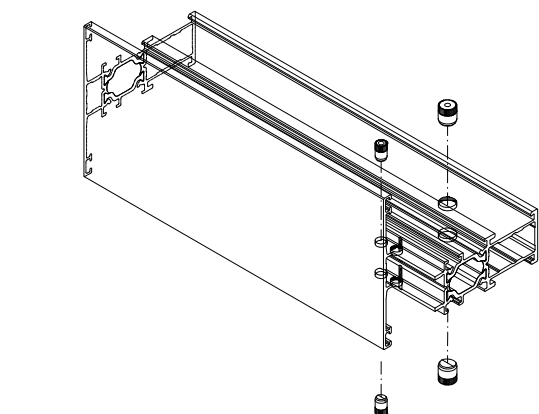
Bearbeitungsschritte

1. Schnittflächen versiegeln
2. Kleber einbringen
3. Eckverbinder einschieben
4. Rahmen fügen (erst Innen-, dann Außenkammer)
5. Aussteifungswinkel montieren
6. Dichtstoff einbringen

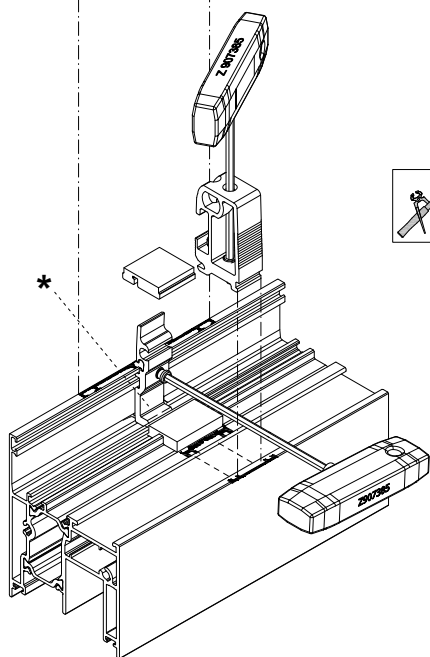
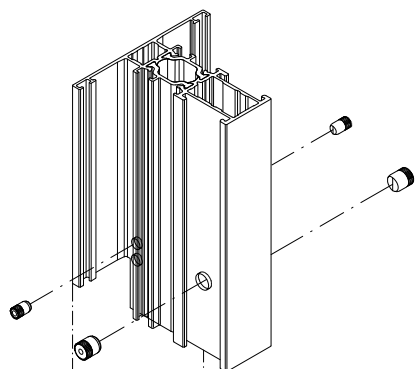
Processing steps

1. Seal the cut surfaces
2. Insert the glue
3. Slide in the corner bracket
4. Join the frame (Internal chamber at first, then external)
5. Assemble the corner stabiliser
6. Insert sealing compound

SPROSSENVERBINDUNG
 TRANSOM CONNECTION



Z 912717
 Z 912718



Z 907385 (3) ○
 Z 981703

Bearbeitungsschritte

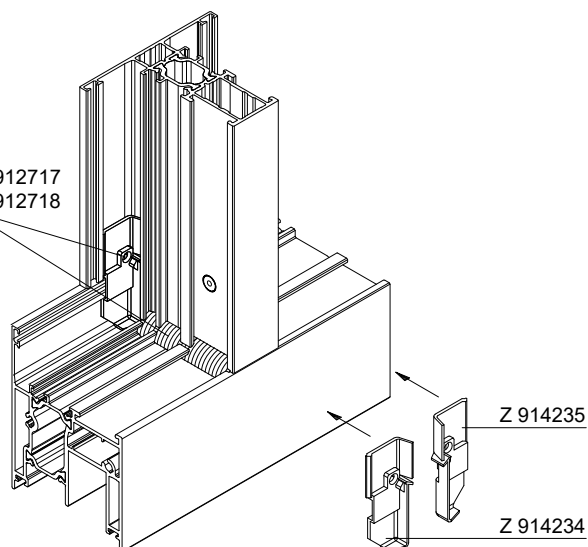
1. Stoßverbinder befestigen *
2. Dichtkissen einsetzen und eindichten
3. Dichtstoff auf die Schnittfläche der Aussenschale aufbringen
4. Sprossenprofil fügen (erst Innen-, dann Außenkammer)
5. Dichtstoff in gesamten Kehlenbereich einbringen
6. Aussteifungswinkel montieren und Dichtstoff einbringen

Processing steps

1. Fix the T-joint *
2. Insert the sealing pad and seal it
3. Sealing material applied to the cutting area of the external shell
4. Join the transom profile (Internal chamber at first, then external)
5. Insert the sealing material in the groove
6. Assemble the corner stabiliser



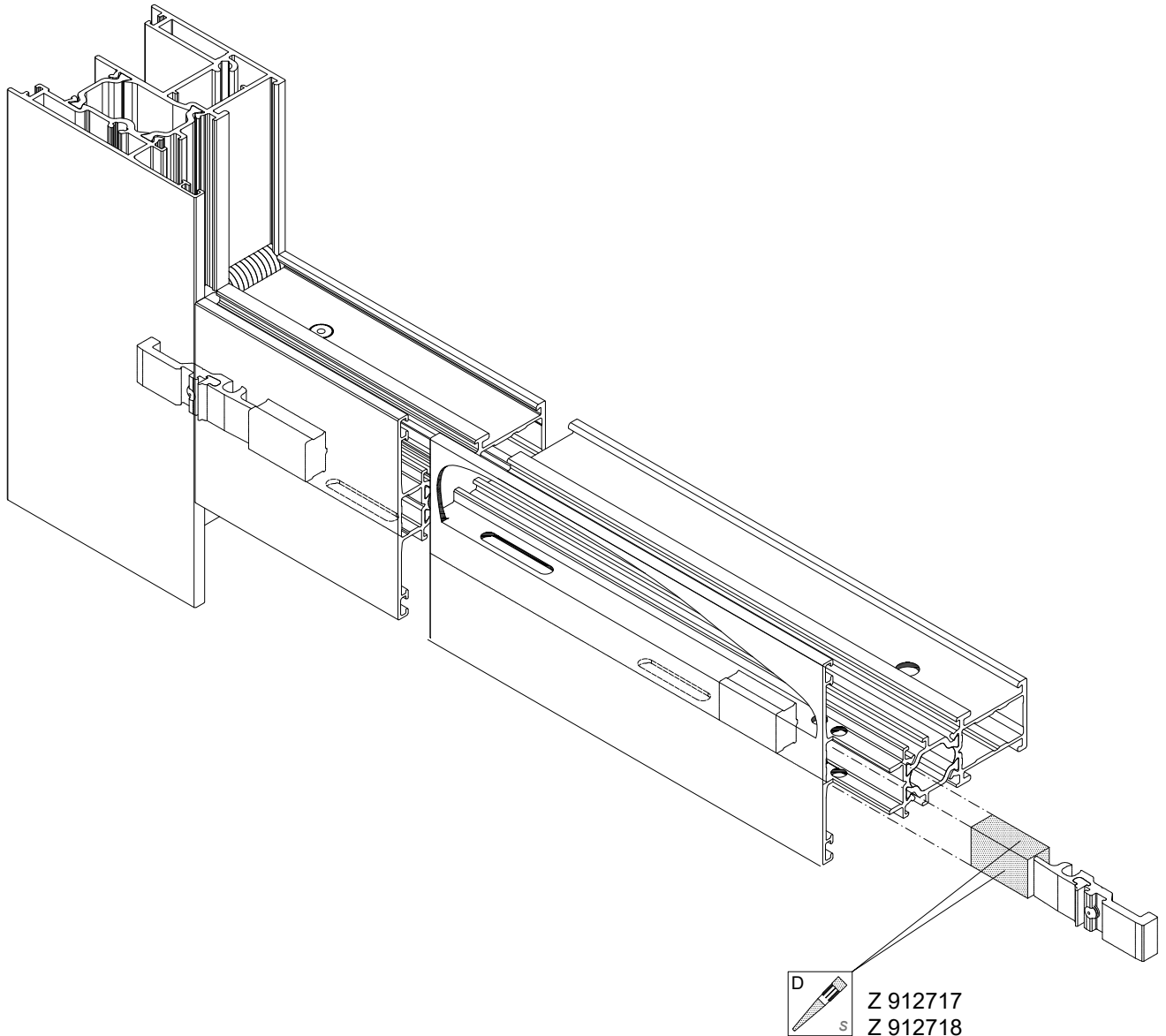
Z 912717
 Z 912718



* = Stanzschraube nach Durchstanzung nur leicht anziehen

* = Punch screw tightened slightly after punching

SPROSSENVERBINDUNG
TRANSOM CONNECTION

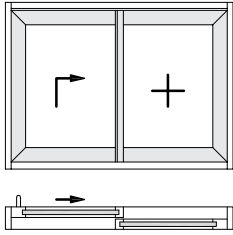



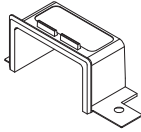
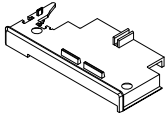
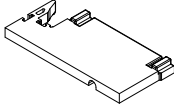
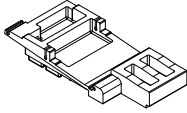
Dichtstück mit T-Verbinder
in Position schieben

Slide sealing piece with
T-joint to correct position

ZUBEHÖRSÄTZE • FLÜGEL B 813232/233, B 813234/235
ACCESSORY SETS • SASH B 813232/233, B 813234/235

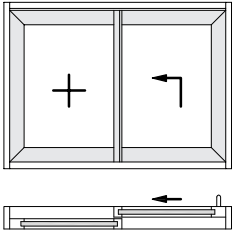
SCHMALES LABYRINTH
NARROW LABYRINTH


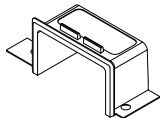
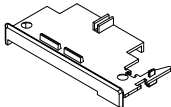
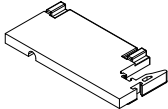
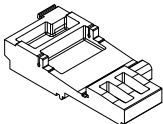
Schema Scheme	Schmales Labyrinth Narrow labyrinth	Beschreibung Description	
A1		<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Festflügel rechts Primärer Flügel nach links öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, fixed sash right Primary sash sliding to the left</p>	<p>KLEINER FLÜGEL / GROSSER FLÜGEL B 813232/233 • B 813234/235</p> <p>SMALL SASH / BIG SASH B 813232/233 • B 813234/235</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	
SCHWARZ BLACK Z 997666	WEISS WHITE Z 997672			Z 918865	6
			Z 923059	Z 923060	2
			Z 923047	Z 923048	1
			Z 923043		1
			Z 923039		1

ZUBEHÖRSÄTZE • FLÜGEL B 813232/233, B 813234/235
 ACCESSORY SETS • SASH B 813232/233, B 813234/235

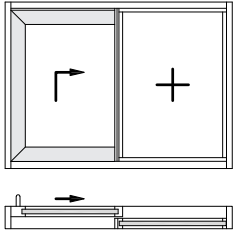
SCHMALES LABYRINTH
 NARROW LABYRINTH


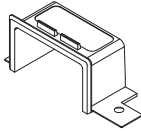
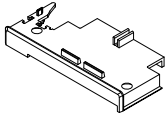
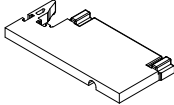
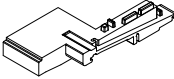
Schema Scheme	Schmales Labyrinth Narrow labyrinth	Beschreibung Description	
A2		<p>2-spurige Anlage mit 2 Feldern Schiebeflügel rechts, Festflügel links Primärer Flügel nach rechts öffnend</p> <p>Double-tracked system with 2 fields Sliding sash right, fixed sash left Primary sash sliding to the right</p>	<p>KLEINER FLÜGEL / GROSSER FLÜGEL B 813232/233 • B 813234/235</p> <p>SMALL SASH / BIG SASH B 813232/233 • B 813234/235</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	
SCHWARZ BLACK Z 997667	WEISS WHITE Z 997673			Z 918865	6
			Z 923061	Z 923062	2
			Z 923049	Z 923050	1
			Z 923044		1
			Z 923040		1

ZUBEHÖRSÄTZE • FLÜGEL B 813232/233, B 813234/235
ACCESSORY SETS • SASH B 813232/233, B 813234/235

SCHMALES LABYRINTH
NARROW LABYRINTH

Schema Scheme	Schmales Labyrinth Narrow labyrinth	Beschreibung Description	
MA1		<p>Monorail mit 2 Feldern Schiebeflügel links, Festfeld rechts Primärer Flügel nach links öffnend</p> <p>Monorail with 2 fields Sliding sash left, fixed field right Primary sash sliding to the left</p>	<p>KLEINER FLÜGEL / GROSSER FLÜGEL B 813232/233 • B 813234/235</p> <p>SMALL SASH / BIG SASH B 813232/233 • B 813234/235</p>

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	
SCHWARZ BLACK Z 997668	WEISS WHITE Z 997674			Z 918865	4
			Z 923059	Z 923060	1
			Z 923047	Z 923048	1
			Z 923043		1
			Z 923042		1

ZUBEHÖRSÄTZE • FLÜGEL B 813232/233, B 813234/235
 ACCESSORY SETS • SASH B 813232/233, B 813234/235

SCHMALES LABYRINTH
 NARROW LABYRINTH

Schema Scheme	Schmales Labyrinth Narrow labyrinth	Beschreibung Description	
MA2		Monorail mit 2 Feldern Schiebeflügel rechts, Festfeld links Primärer Flügel nach rechts öffnend	KLEINER FLÜGEL / GROSSER FLÜGEL B 813232/233 • B 813234/235 SMALL SASH / BIG SASH B 813232/233 • B 813234/235
		Monorail with 2 fields Sliding sash right, fixed field left Primary sash sliding to the right	

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz	Weiß	Stückzahl Quantity	
		Black	White		
SCHWARZ BLACK Z 997669	WEISS WHITE Z 997675			Z 918865	4
			Z 923061	Z 923062	1
			Z 923049	Z 923050	1
			Z 923044		1
			Z 923041		1

ZUBEHÖRSÄTZE • FLÜGEL B 813232/233, B 813234/235
ACCESSORY SETS • SASH B 813232/233, B 813234/235

SCHMALES LABYRINTH
NARROW LABYRINTH

Schema Scheme	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
D1		<p>2-spürige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach links öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the left</p>

KLEINER FLÜGEL / GROSSER FLÜGEL
B 813232/233 • B 813234/235

SMALL SASH / BIG SASH
B 813232/233 • B 813234/235

Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	
SCHWARZ BLACK Z 997670	WEISS WHITE Z 997676			Z 918865	8
			Z 923059	Z 923060	2
			Z 923047	Z 923048	1
			Z 923043		1
			Z 923045		1
			Z 923008		1


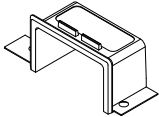
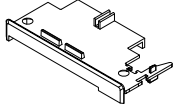
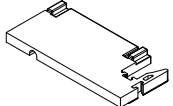
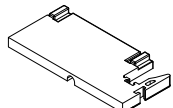
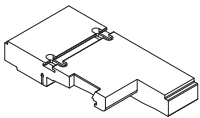
ZUBEHÖRSÄTZE • FLÜGEL B 813232/233, B 813234/235
 ACCESSORY SETS • SASH B 813232/233, B 813234/235

SCHMALES LABYRINTH
 NARROW LABYRINTH

Schema Scheme	Breites Labyrinth Wide labyrinth	Beschreibung Description
D2		<p>2-spurige Anlage mit 2 Feldern Schiebeflügel links, Schiebeflügel rechts Primärer Flügel nach rechts öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, sliding sash right Primary sash sliding to the right</p>

KLEINER FLÜGEL / GROSSER FLÜGEL
 B 813232/233 • B 813234/235

SMALL SASH / BIG SASH
 B 813232/233 • B 813234/235

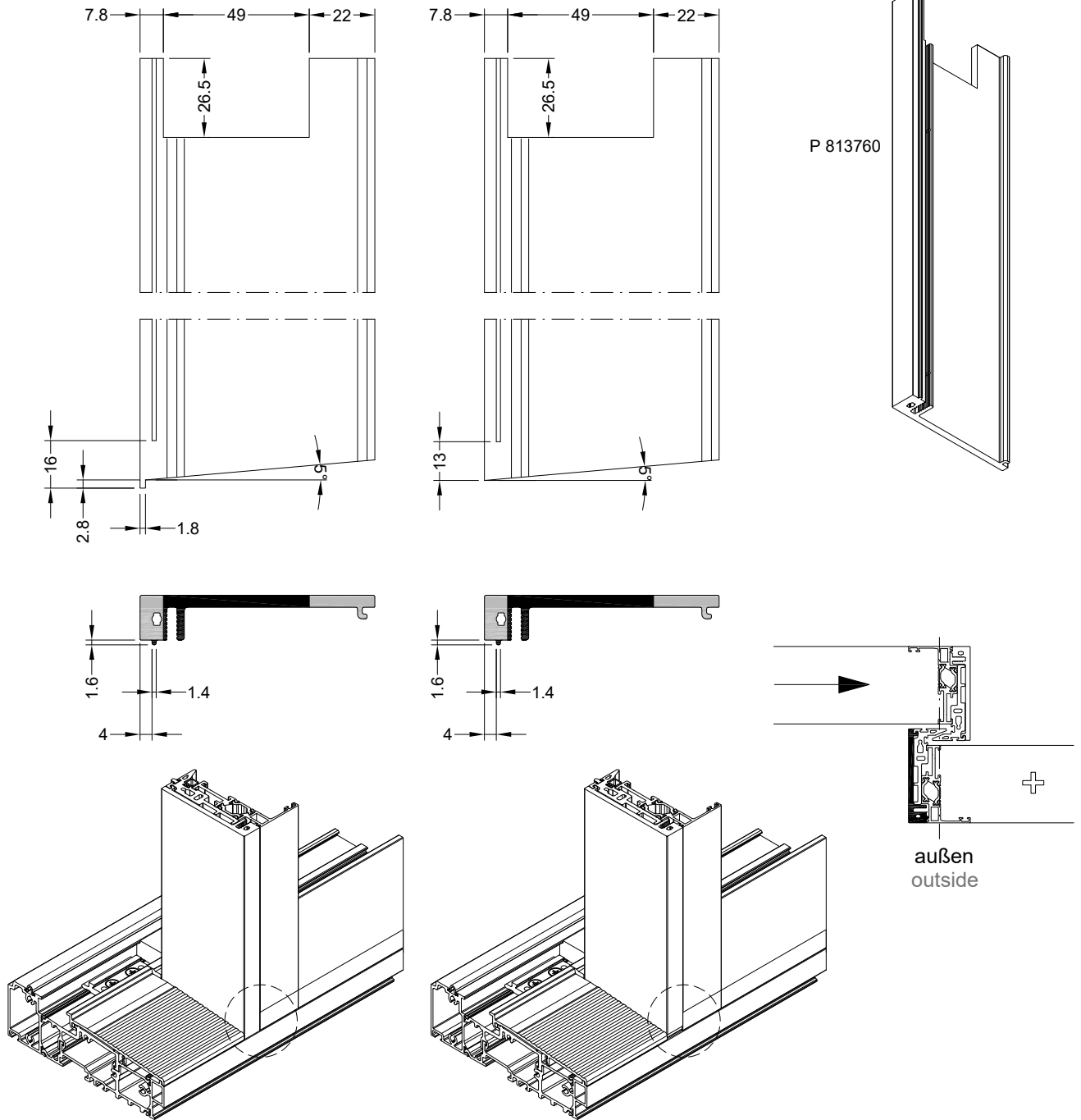
Kombinummer Comb. no.	Lieferumfang in Kombi Included parts in combi	Schwarz Black	Weiß White	Stückzahl Quantity	
SCHWARZ BLACK Z 997671	WEISS WHITE Z 997677			Z 918865	8
			Z 923061	Z 923062	2
			Z 923049	Z 923050	2
			Z 923044		1
			Z 923046		1
			Z 923009		1

Variante 1 - empfohlen

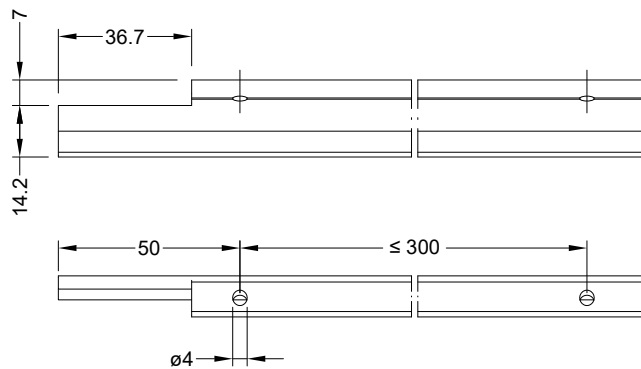
Variant 1 - recommended

Variante 2 - optional

Variant 2 - optionally

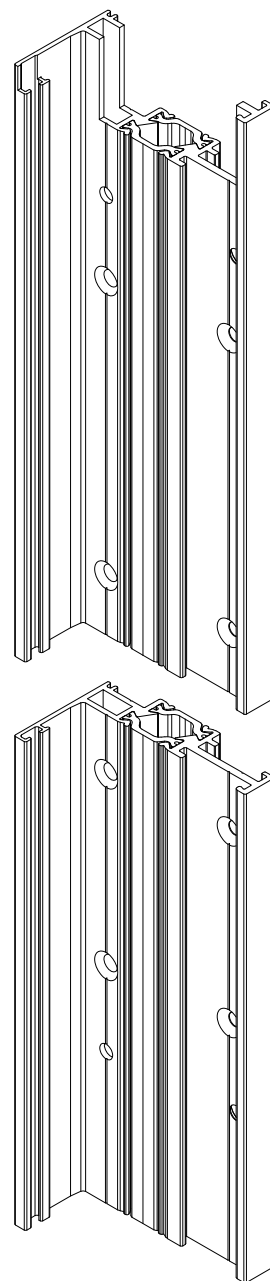
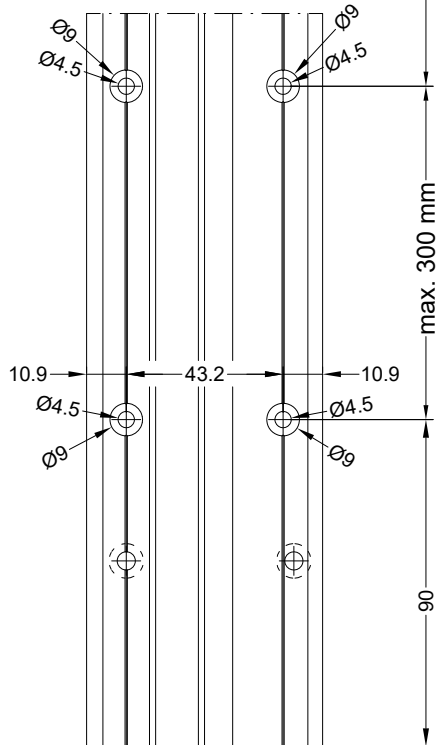
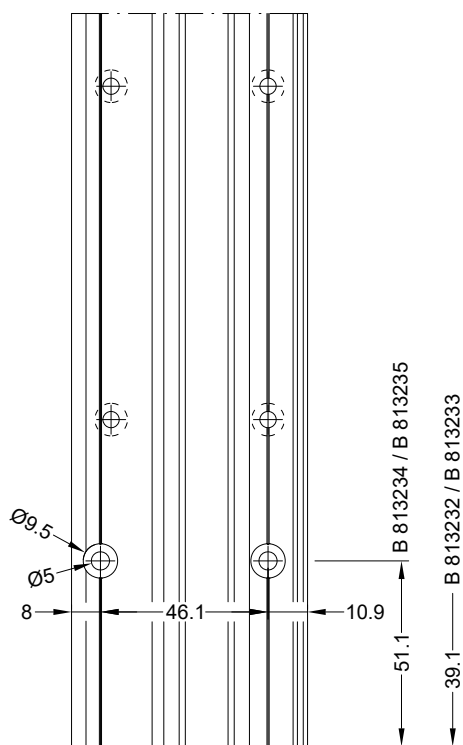
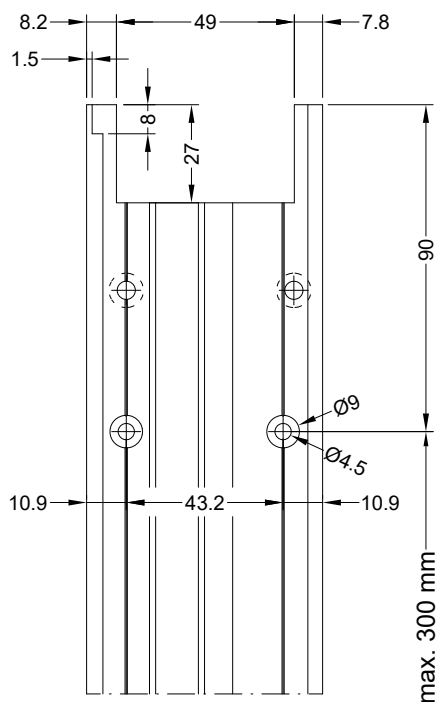
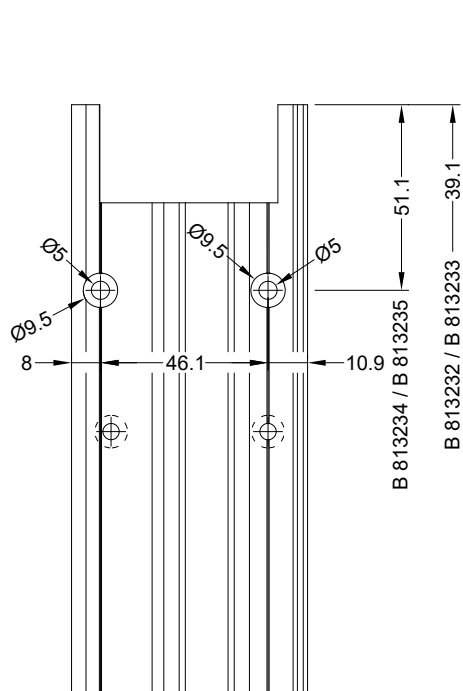
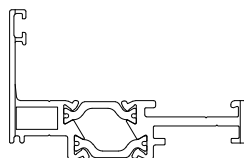
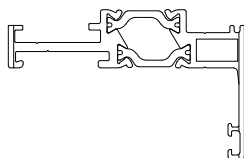


P 813670



Flügelprofil B 813740

Sash profile B 813740



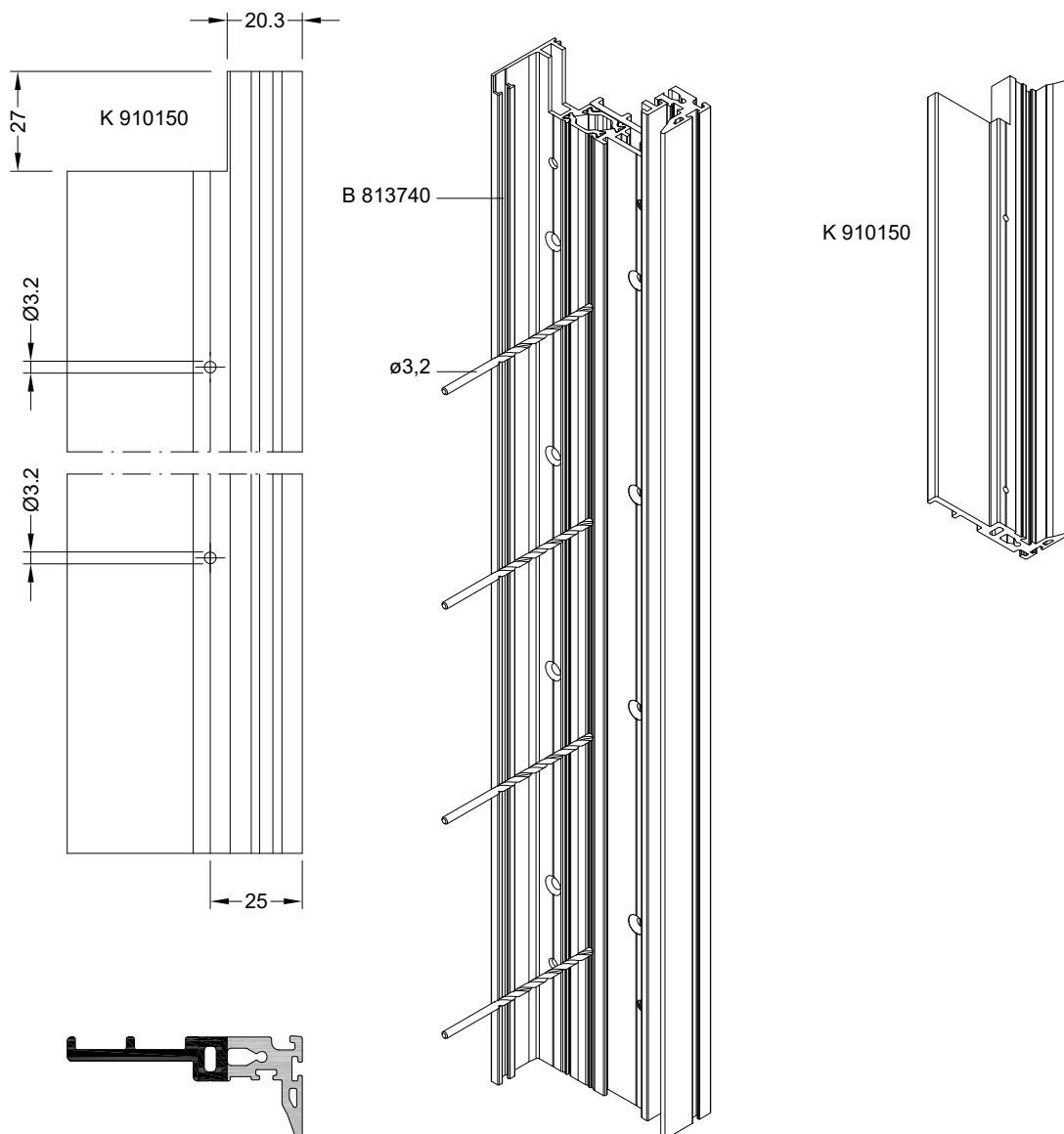
FLÜGELBEARBEITUNG • SCHMALES LABYRINTH
 SASH PROCESSING • NARROW LABYRINTH

Bearbeitungsschritte

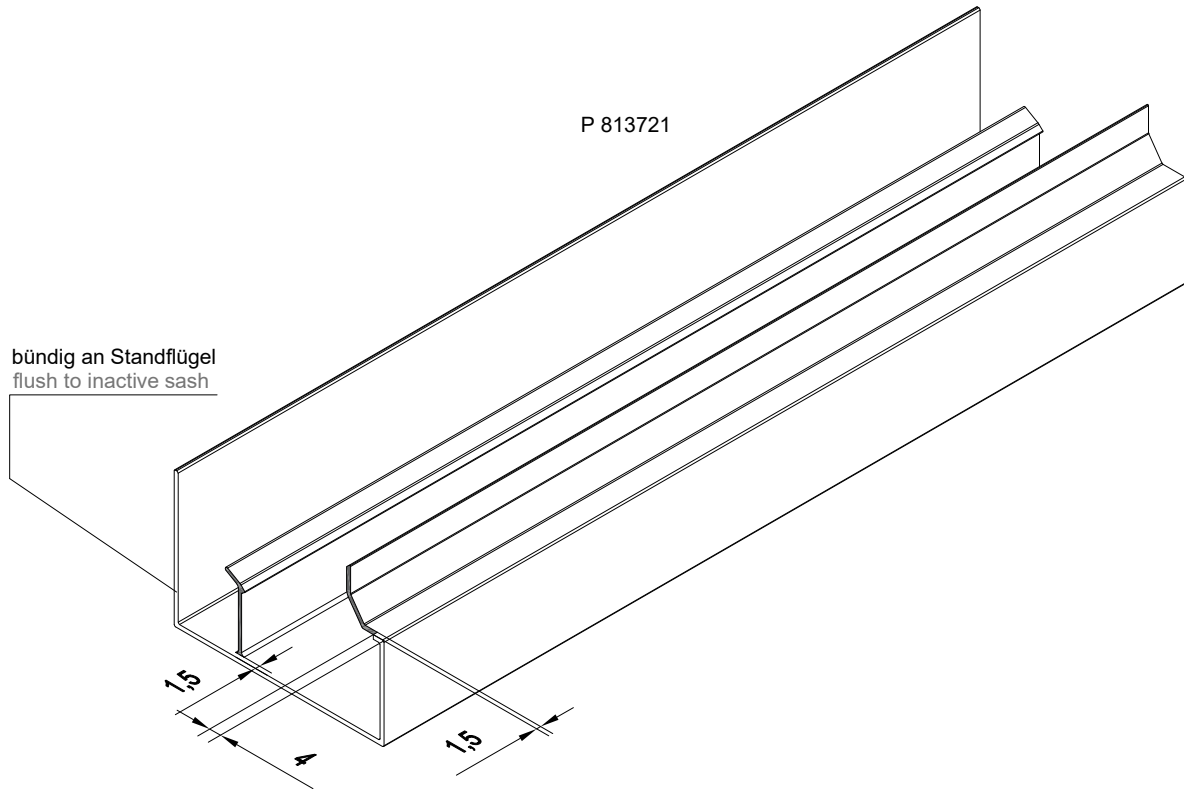
1. Labyrinthprofil K 910150 oben ausklinken
2. Labyrinthprofil mit $\varnothing 3,2$ mm bohren.
 Flügelprofil B 813740 als Schablone benutzen

Processing steps

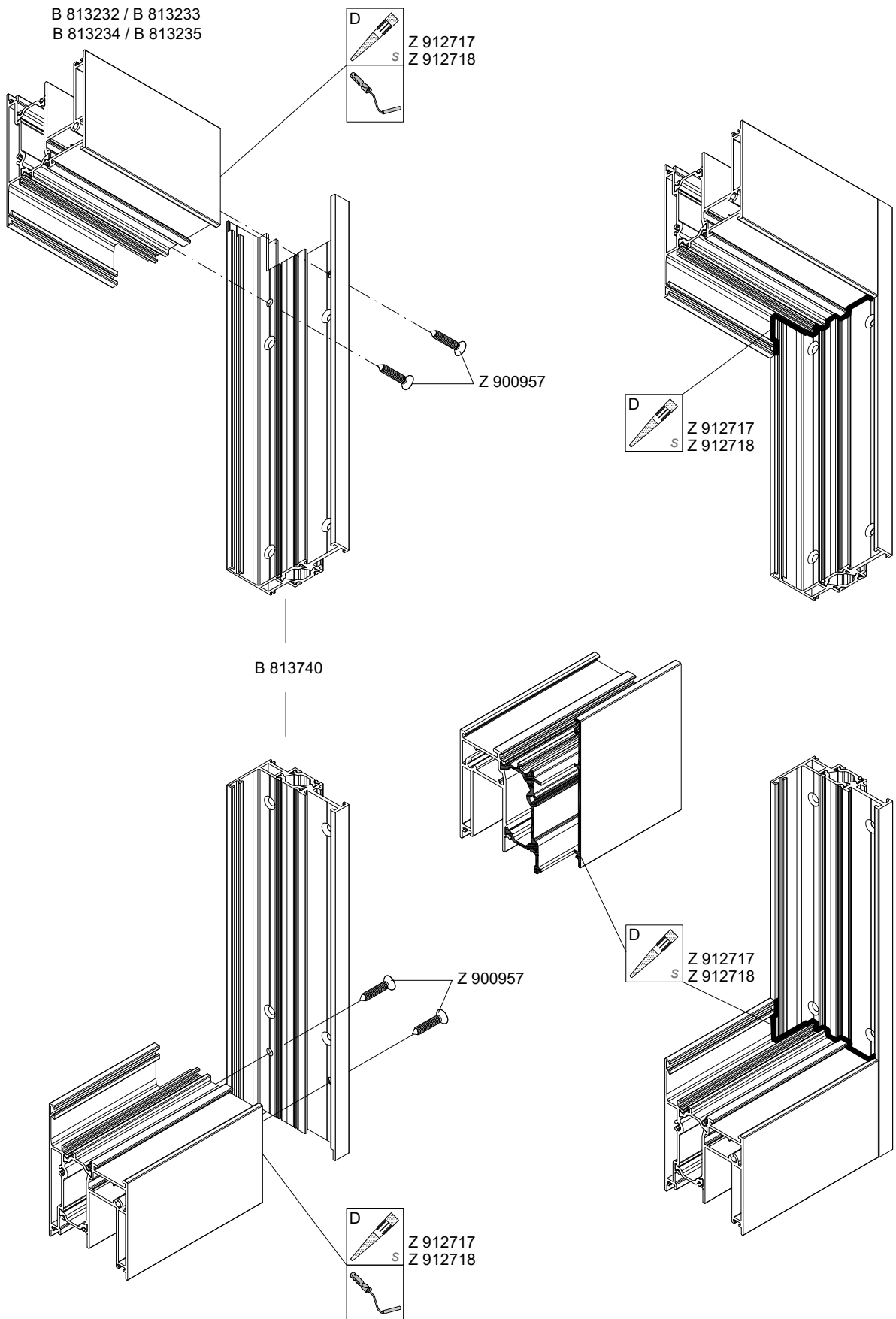
1. Notch labyrinth profile K 910150 at top
2. Drill the labyrinth profile with $\varnothing 3.2$ mm.
 Use sash profile B 813740 as template



BEARBEITUNG P 813721
PROCESSING P 813721



FLÜGELRAHMENVERBINDUNG • SCHMALES LABYRINTH
 SASH FRAME CONNECTION • NARROW LABYRINTH



FLÜGELRAHMENVERBINDUNG • SCHMALES LABYRINTH
SASH FRAME CONNECTION • NARROW LABYRINTH

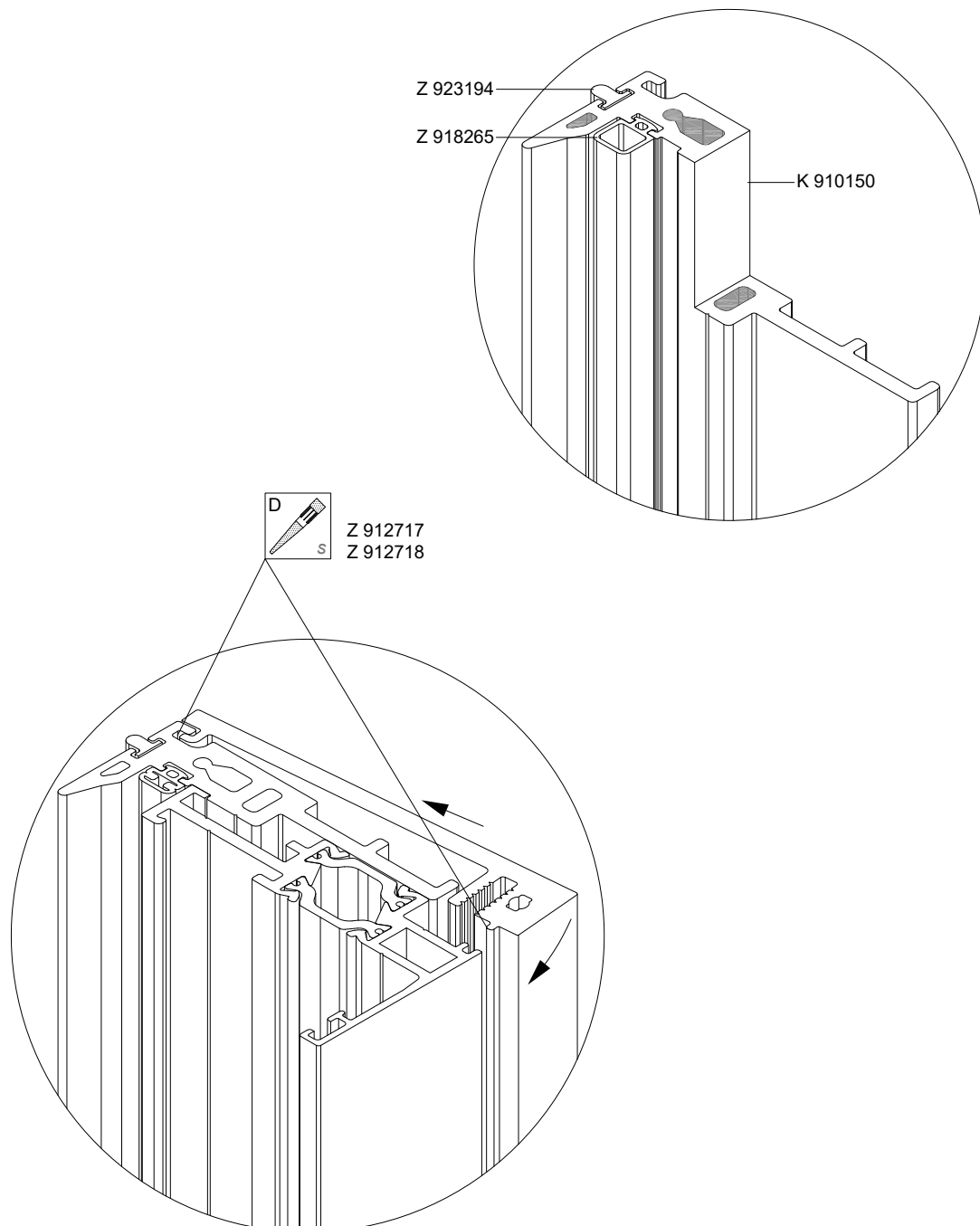
Bearbeitungsschritte

1. Labyrinthprofil K 910150 stirnseitig oben versiegeln und oben bündig mit Flügel ausrichten
2. Labyrinthprofil und Flügelprofil mit \varnothing 3,2 mm bohren.
Abstand zum Profilenende 80 mm, Abstand untereinander max. 300 mm
3. Dichtungen Z 918265 und Z 923194 in Profil K 910150 einziehen und mit EPDM Kleber Z 903941 fixieren
4. B 813740 mit 5 mm aufbohren, senken und mit Z 900957 am Flügel verschrauben
5. Profil mit Schrauben Z 904057 (\varnothing 4,2 x 16 mm) und Z913238 (\varnothing 4,2 x 22 mm) an Flügel verschrauben
6. Bearbeitetes Abdeckprofil P 813760 mit Dichtstoff versehen und aufklipsen

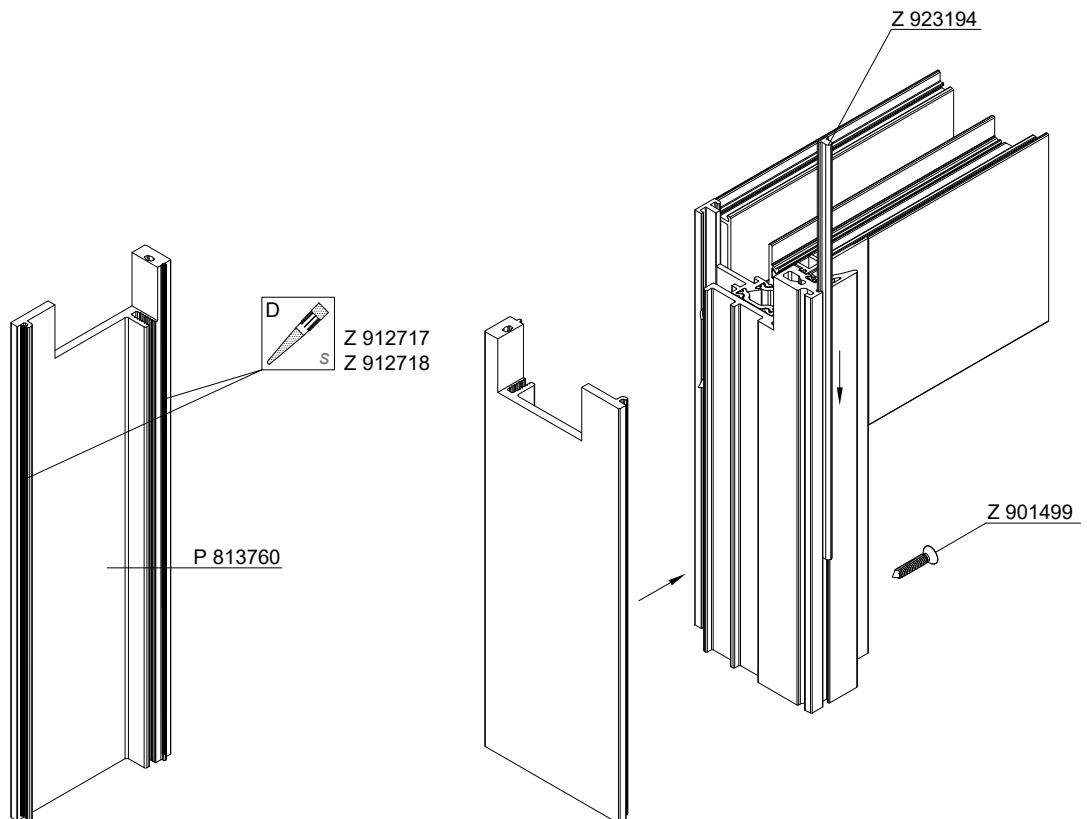
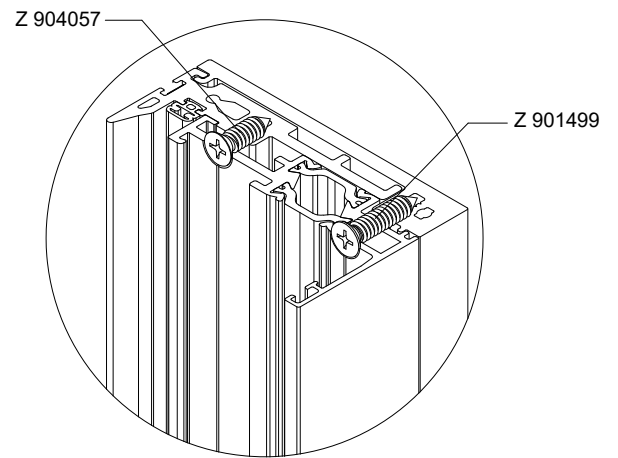
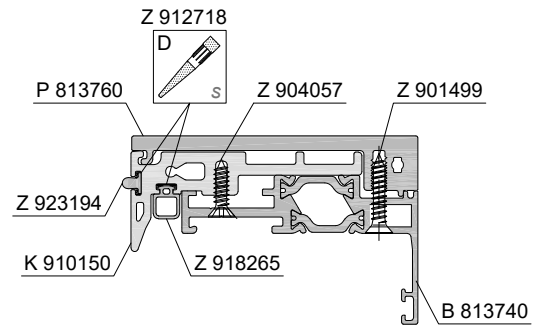
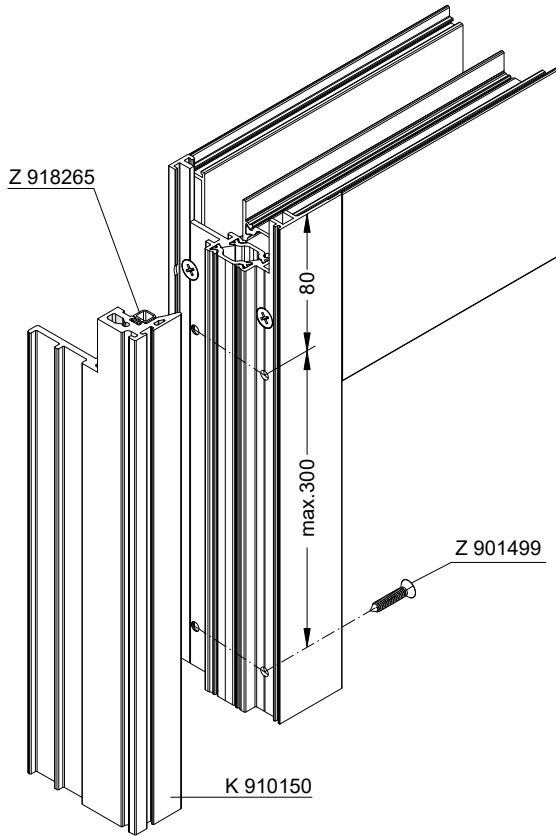
Processing steps

1. K 910150 sealed at the end and adjust.
2. Drill holes trough the labyrinth profile, cover profile and sash profile with \varnothing 3,8 mm and countersink.
Distance from the end of the profile 80 mm, distance between the holes maximum 300 mm.
3. Insert gaskets Z 918265 and Z 923194 into K 910150 and fix with glue Z 903941.
4. Drill 5 mm holes trough B 813740 and countersink. Fix it on sash profile with screws Z 900957.
5. Fix the profile with screws Z 904057 (\varnothing 4,2 x 16 mm) and Z913238 (\varnothing 4,2 x 22 mm)
6. Charge with sealing compound and snap on profile P 813760

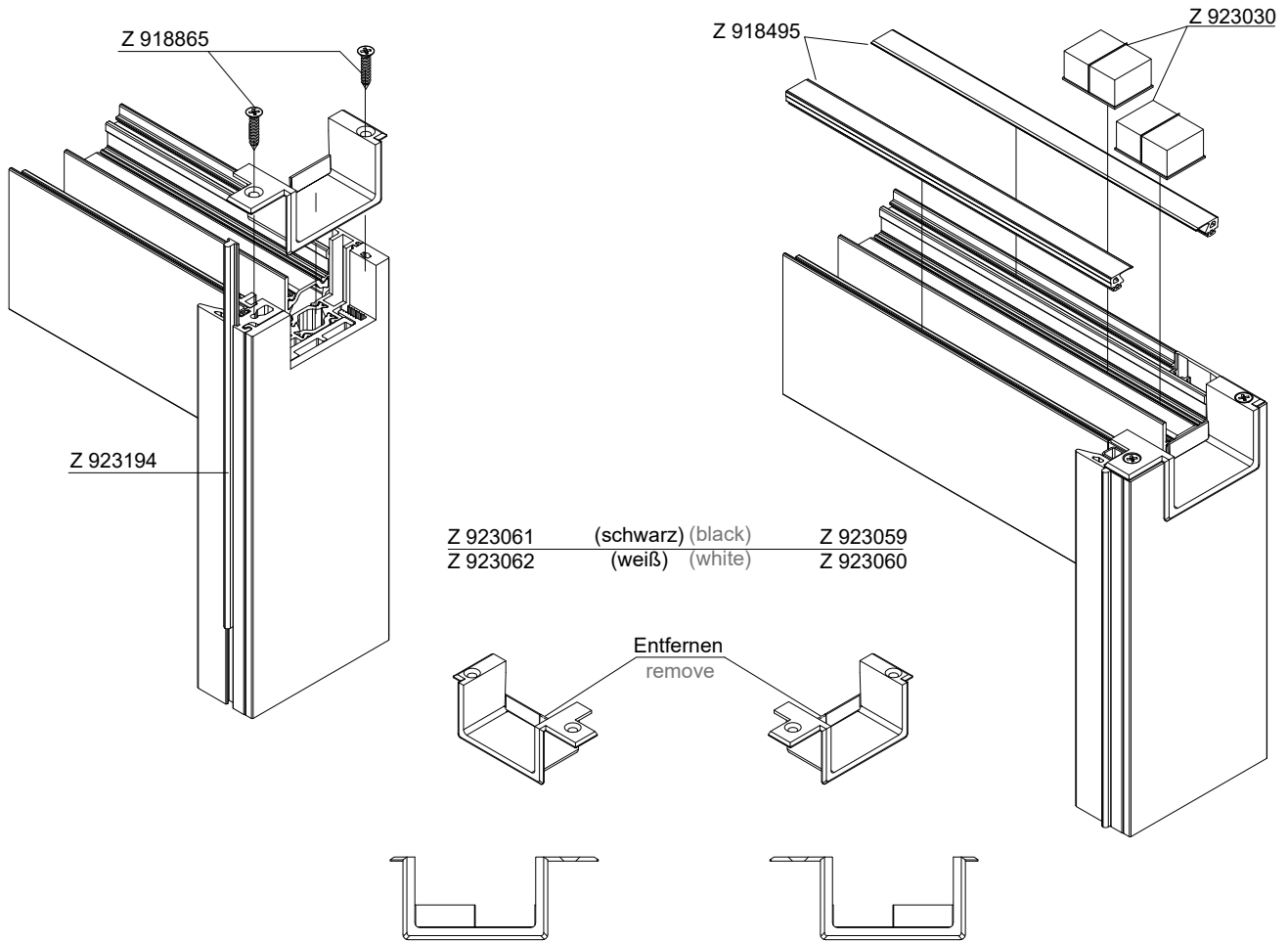
Oben und unten mit Silikon füllen und Flächen glattstreichen
Fill up top and bottom with silicone and rod the surface area



MONTAGE
 ASSEMBLY



FLÜGELRAHMENVERBINDUNG • SCHMALES LABYRINTH
SASH FRAME CONNECTION • NARROW LABYRINTH



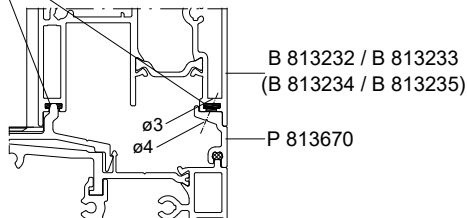
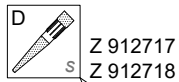
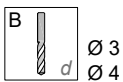
FLÜGELRAHMENVERBINDUNG • SCHMALES LABYRINTH
 SASH FRAME CONNECTION • NARROW LABYRINTH

Bearbeitungsschritte

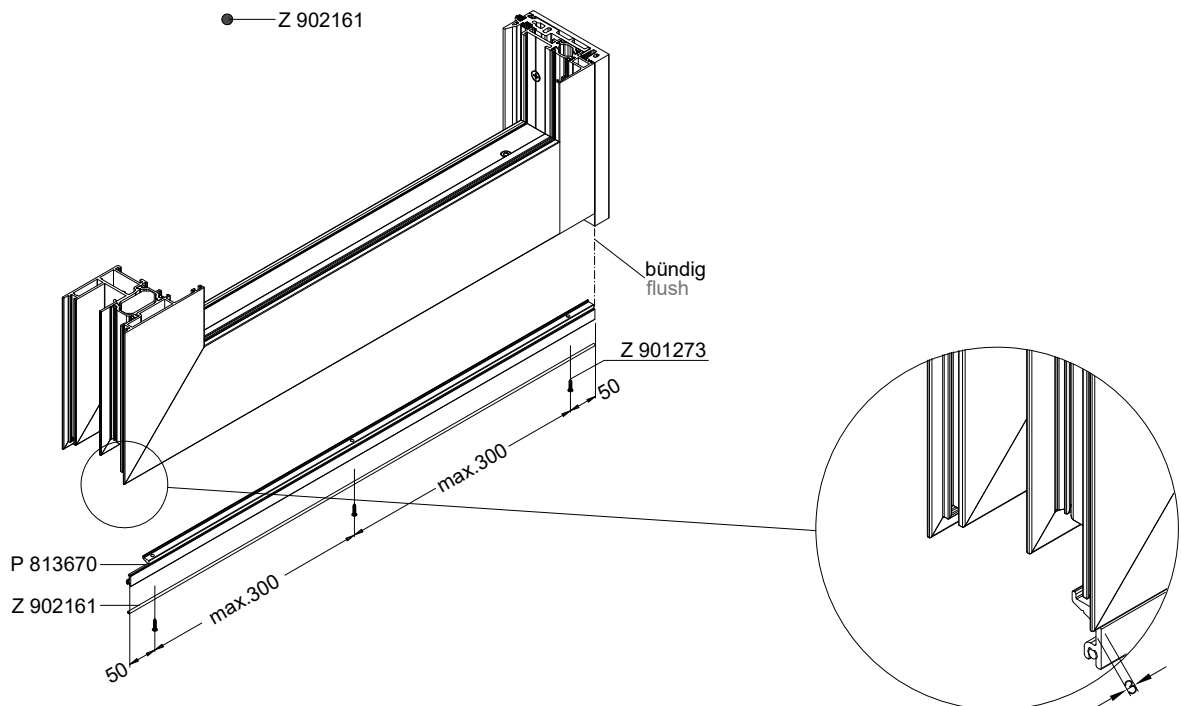
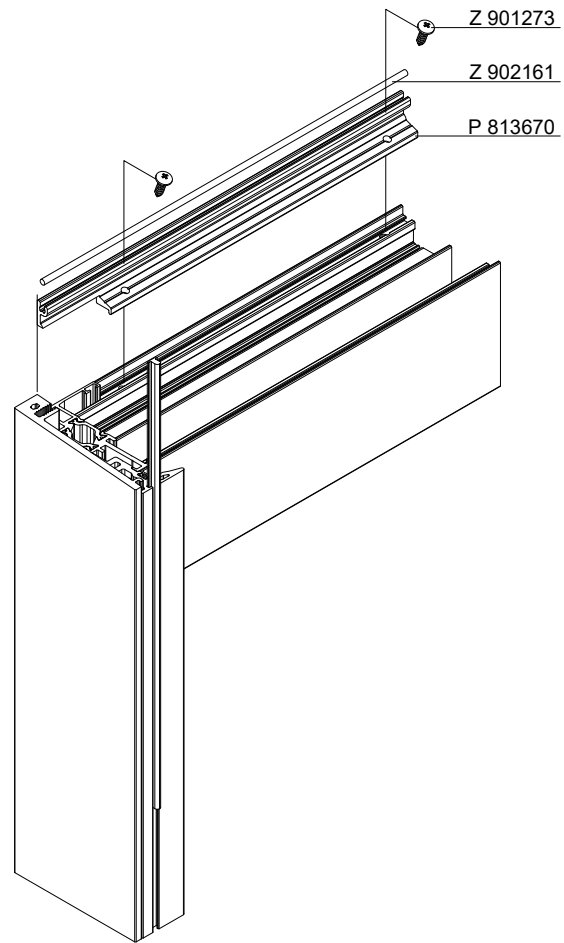
1. Dichtungsgrundschnur Z 902161 in Profil P 813670 einziehen
2. Profil bündig an Flügelprofil anpassen (Labyrinthseite)
3. Durch Zusatzprofil und Flügelprofil mit $\varnothing 3$ mm bohren.
 Abstand zum Profilenende 50 mm, Abstand untereinander max. 300 mm
4. Zusatzprofil auf $\varnothing 4$ mm aufbohren
5. Profil mit Schrauben Z 901273 (3,9x13 mm) befestigen

Processing steps

1. Insert gasket cord Z 902161 in profile P 813670
2. Adjust the Profile flush to the sash profile (side of the labyrinth)
3. Drill holes trough the supplementary profile and sash profile with $\varnothing 3$ mm.
 Distance to the end of the profile 50 mm, distance between the holes maximum 300 mm
4. Rebore the holes in the supplementary profile with $\varnothing 4$ mm
5. Fix the profile with screws Z 901273 (3,9x13 mm)



● Z 902161



MONTAGE
ASSEMBLY

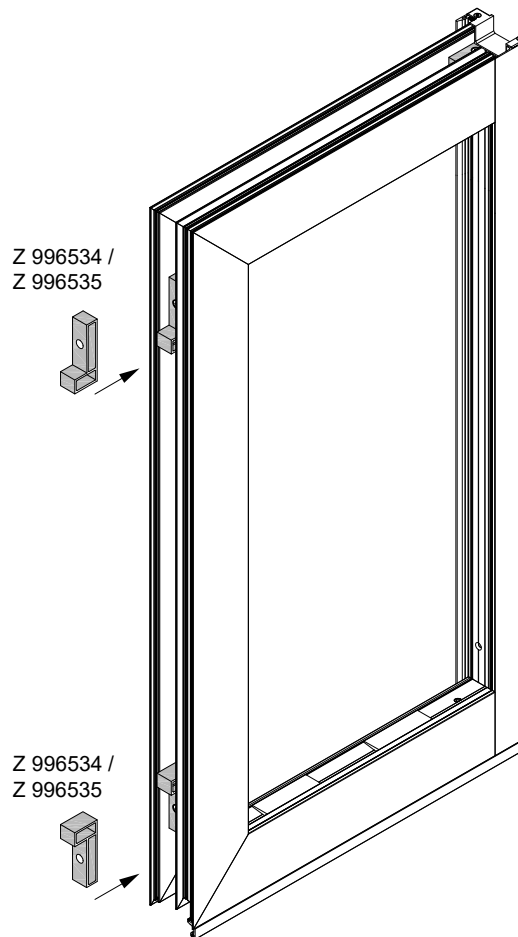
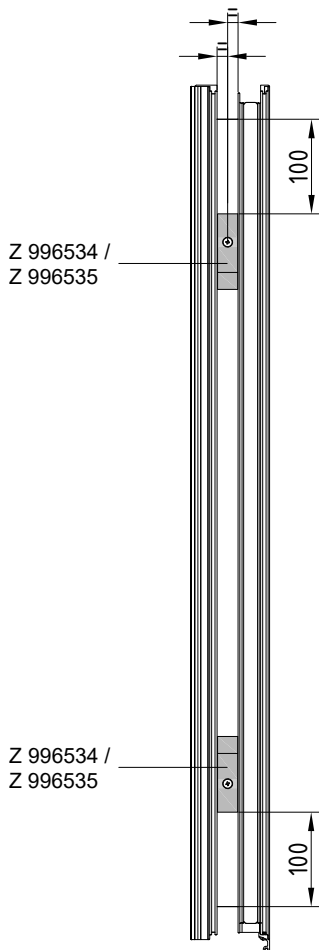
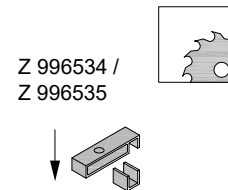
Bearbeitungsschritte

1. Abstandhalter Z 996534 / Z 996535 ausrichten.
 Seitlich 100 mm Abstand zur Ecke der Beschlagkammer. Oben in die Aussparung vor der Abdeckkappe setzen.
2. Abstandhalter mit Bohrschraube Z 917591 (ø 4,8 x 32 mm) oder Z 917639 (ø 4,8 x 38 mm) montieren

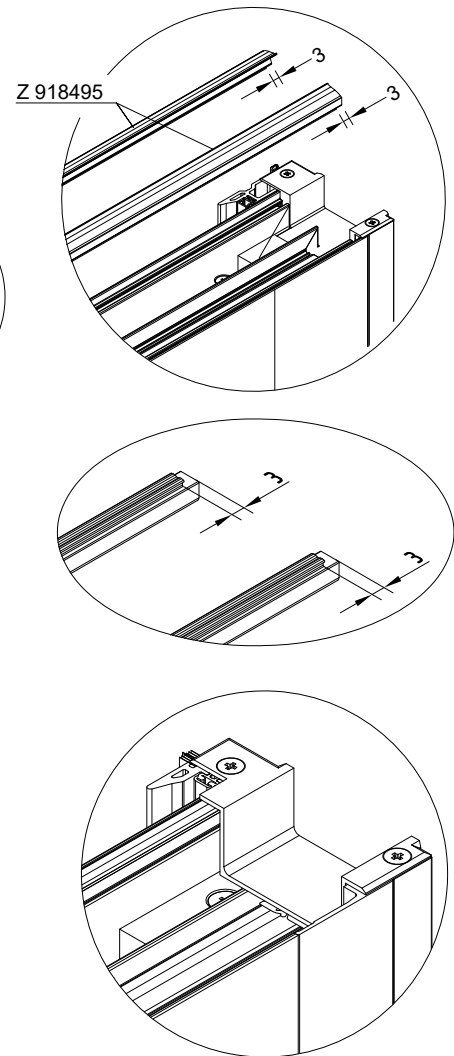
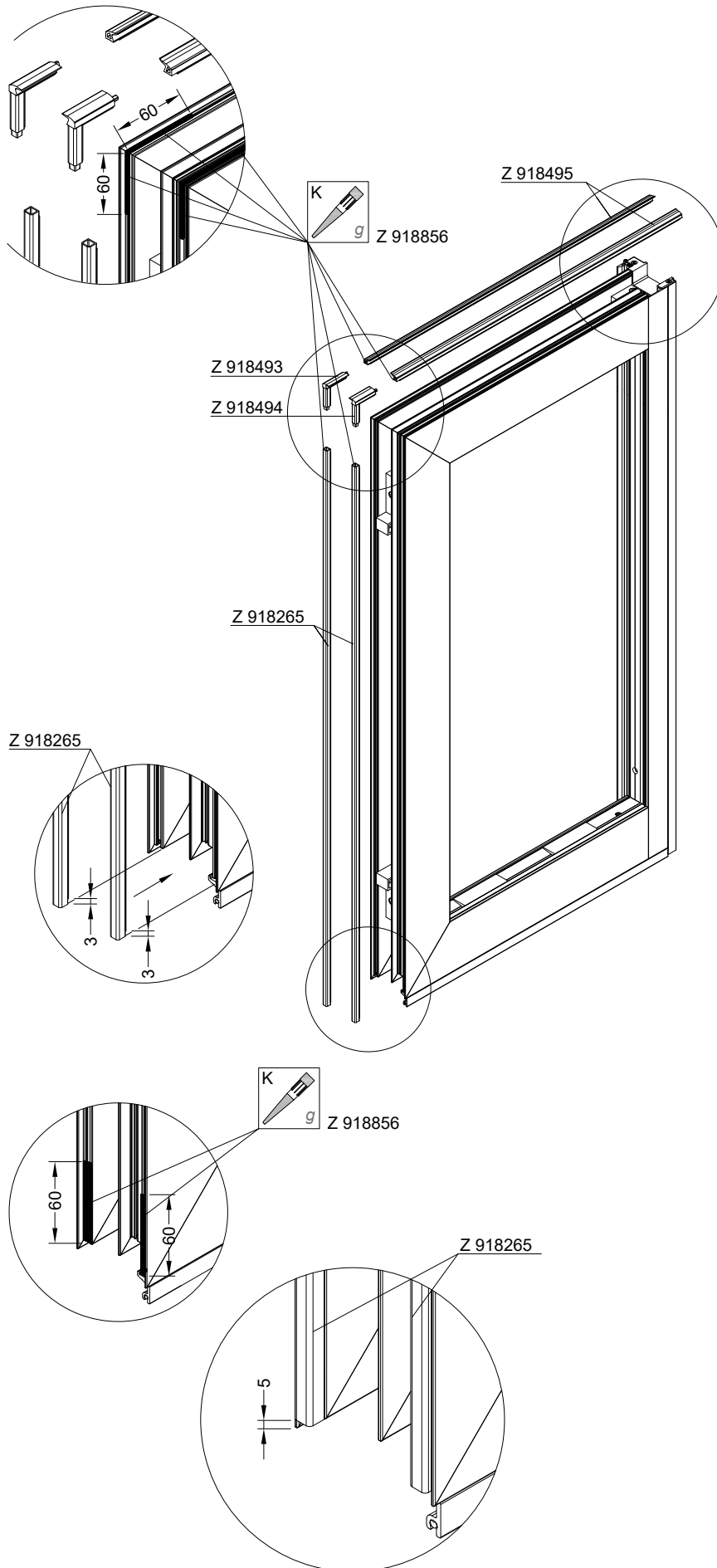
Processing steps

1. Adjust spacer Z 996534 / Z 996535 lateral in a distance of 100 mm from the edge of the fitting chamber.
 Use the opening beside the cover cap on top.
2. Fix the spacer with self-drilling screw Z 917591 (ø 4,8 x 32 mm) or Z 917639 (ø 4,8 x 38 mm)

Abstandhalter Spacer	Flügelprofil Sash profile
Z 996534	B 813232 / B 813233
Z 996535	B 813234 / B 813235



MONTAGE
 ASSEMBLY

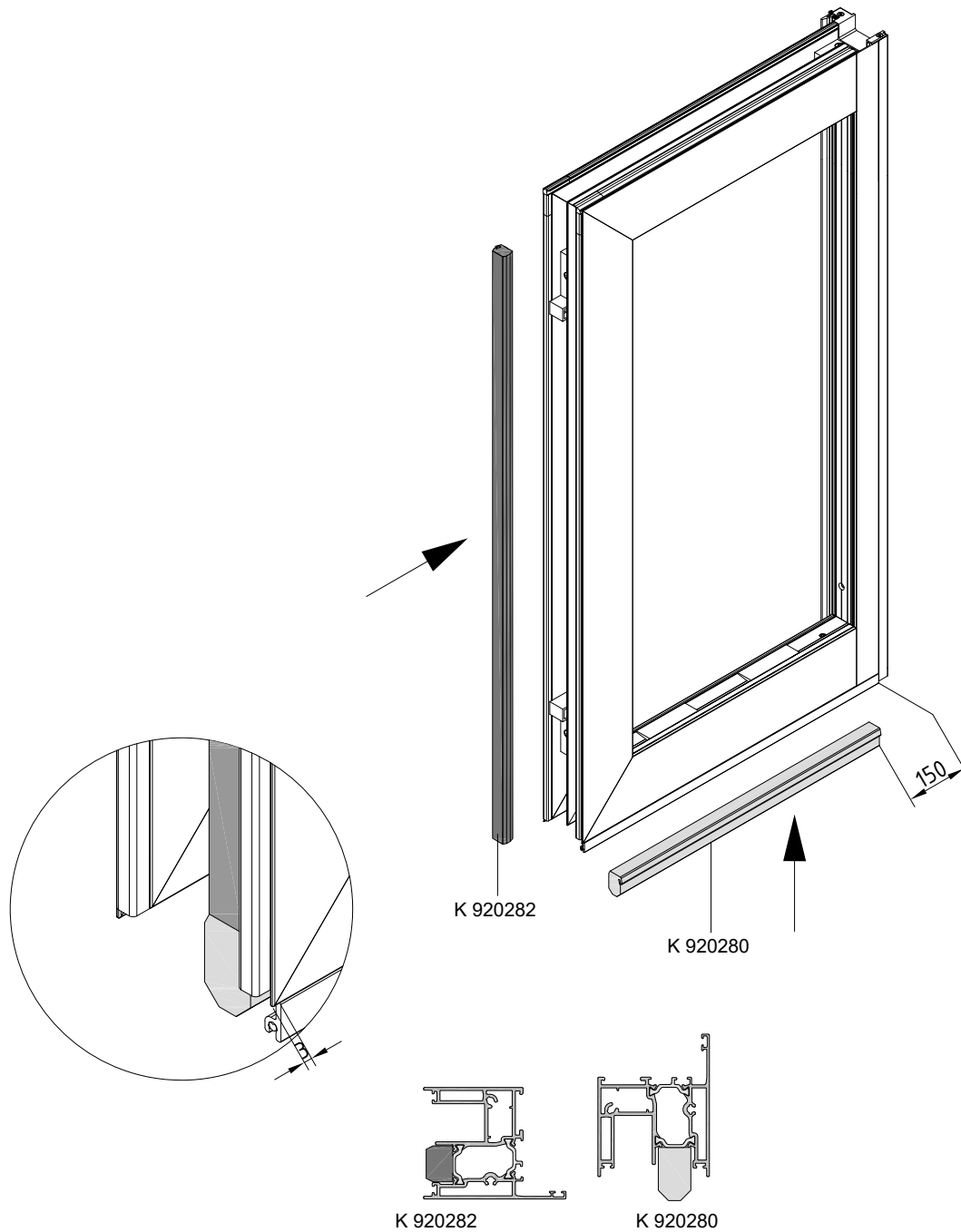


Bearbeitungsschritte

1. Dichtung Z 918265 zuschneiden (L = FH - 40)
2. DichtungsfüÙe unten 3 mm ausschneiden
3. Dichtung Z 918495 zuschneiden (L = FB - 42)
4. DichtungsfüÙe 3 mm ausschneiden
5. Dichtungen Z 918265, Z 918495 und Dichtungsecken Z 918493 / Z 918494 mit Kleber Z 918856 verkleben

Processing steps:

1. Cut gasket Z 918265 (L = FH - 40)
2. Cut gasket fin 3 mm on bottom side
3. Cut gasket Z 918495 (L = FB - 42)
4. Cut gasket fin 3 mm
5. Gaskets Z 918265, Z 918495 and molded gasket pieces Z 918493 / Z 918494 glued with Z 918856



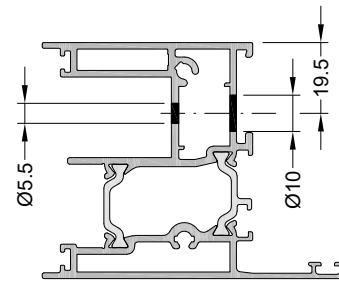
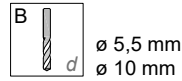
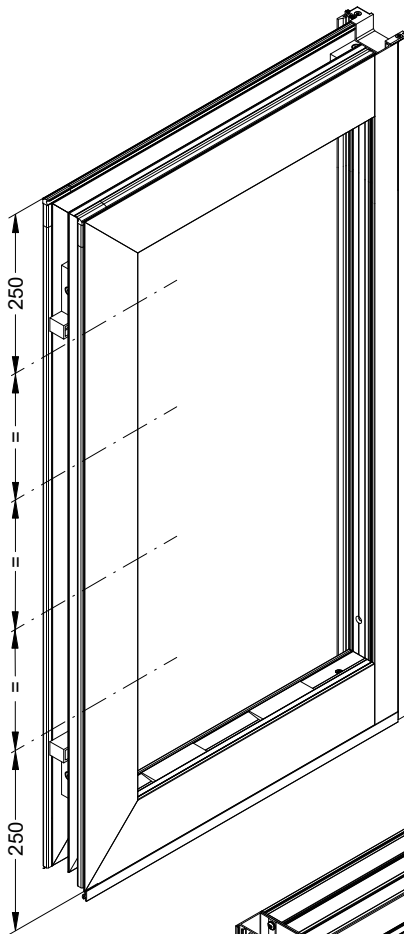
Bearbeitungsschritte (optional)

1. Einschiebling K 920280 ablängen (L = FB - 150)
2. Einschiebling K 920282 passend ablängen L = FH - 90
3. Einschieblinge (selbstklebend) auf die Isolierzone aufsetzen

Processing steps (optionally)

1. Cut the insulation profile K 920280 (L = FB - 150)
2. Cut the insulation profile K 920282 L = FH - 90
3. Place the insulation profile (self-adhesive) on the insulation area

Mindestens vier Verschraubungen pro Standflügel vorsehen
Minimum of four screwing connections per inactive sash

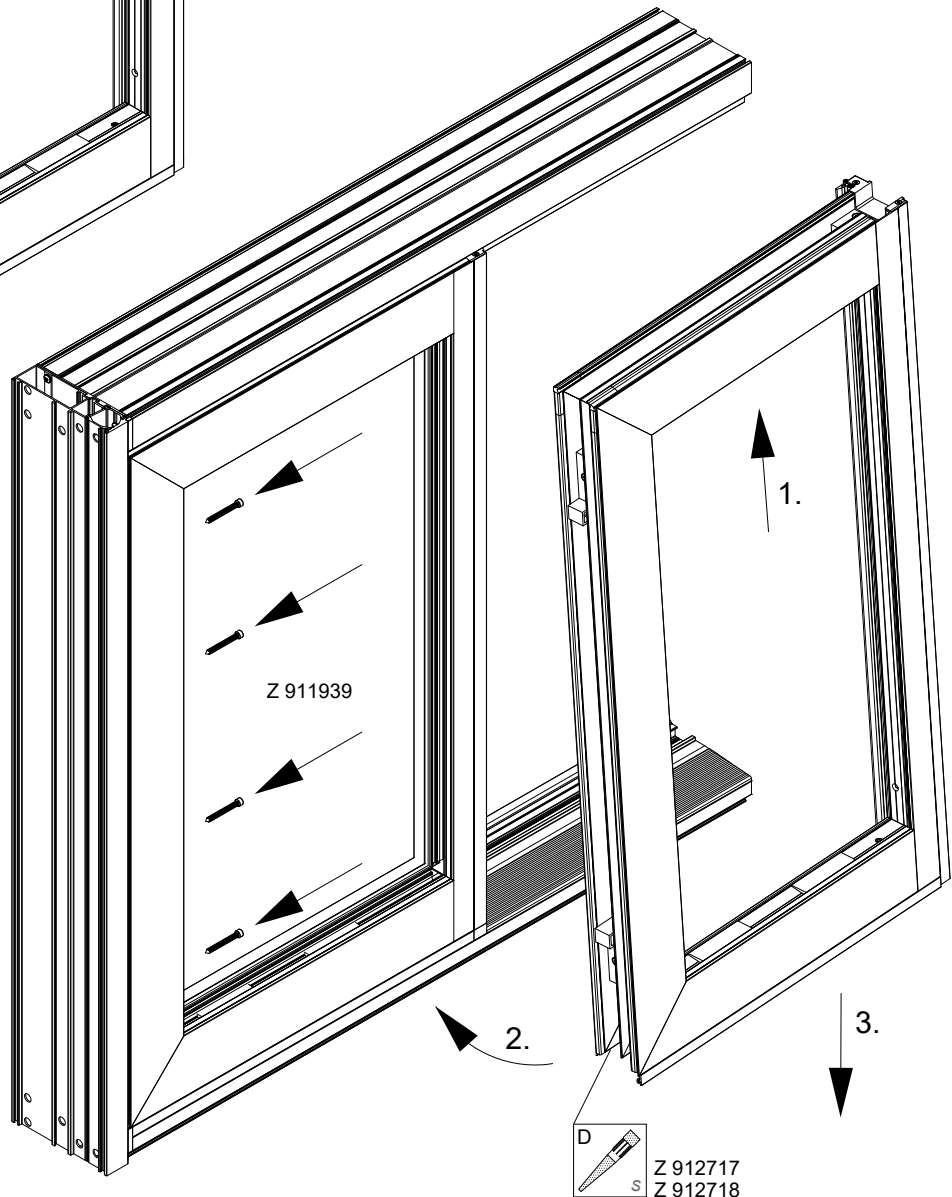


Bohrungen für Standflügelmontage

1. Durch die Glasleistenaufnahme des Flügels Löcher mit Bohrer ø 5,5 mm bohren
2. Die Bohrungen auf der Glasleiste auf ø 10 mm aufbohren

Holes for assembling the inactive sash

1. Drill holes in the nest for the glassbead of the sash with ø 5,5 mm
2. Rebore the holes on the glassbead side with ø 10 mm



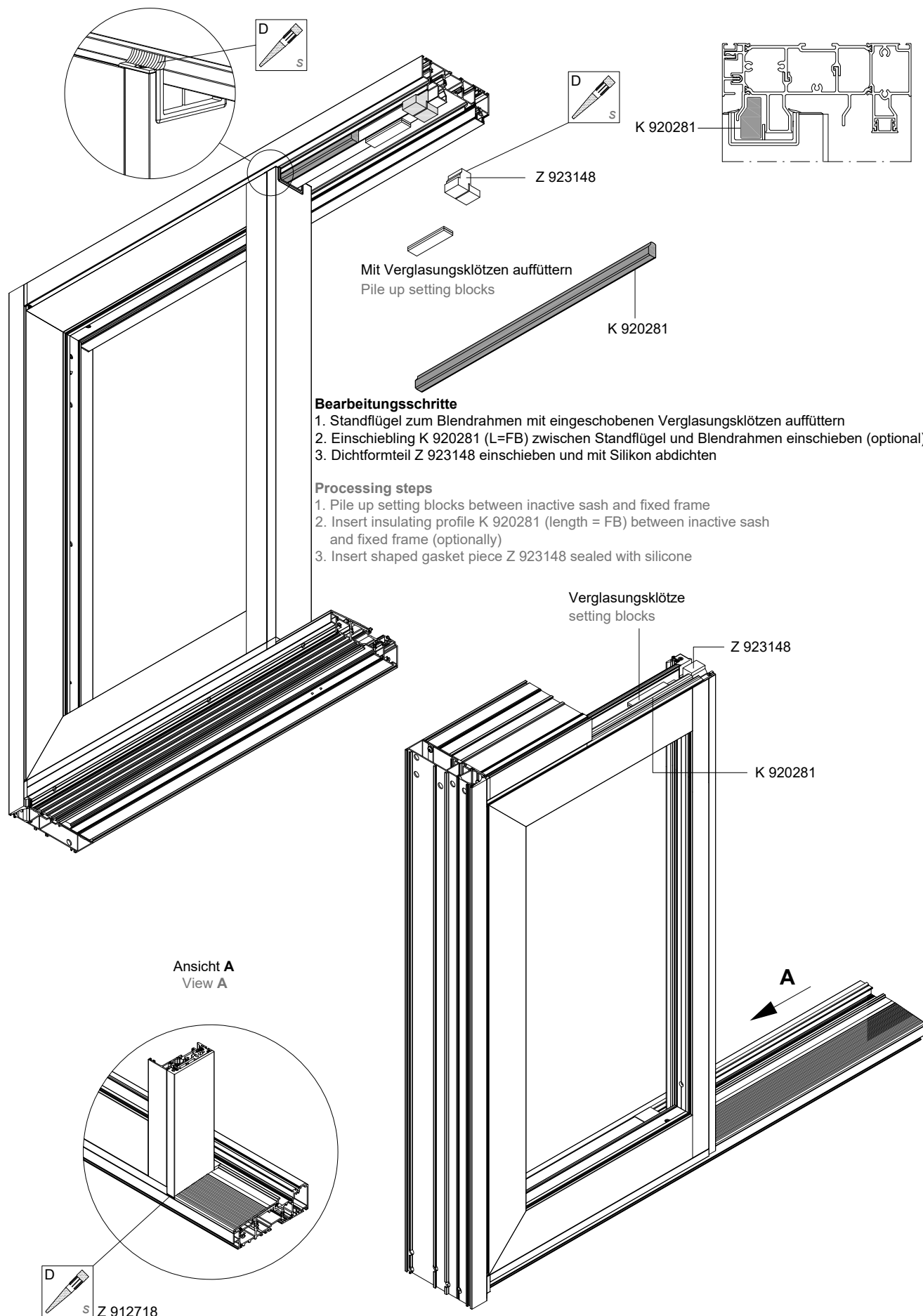
Einsetzen des Standflügels

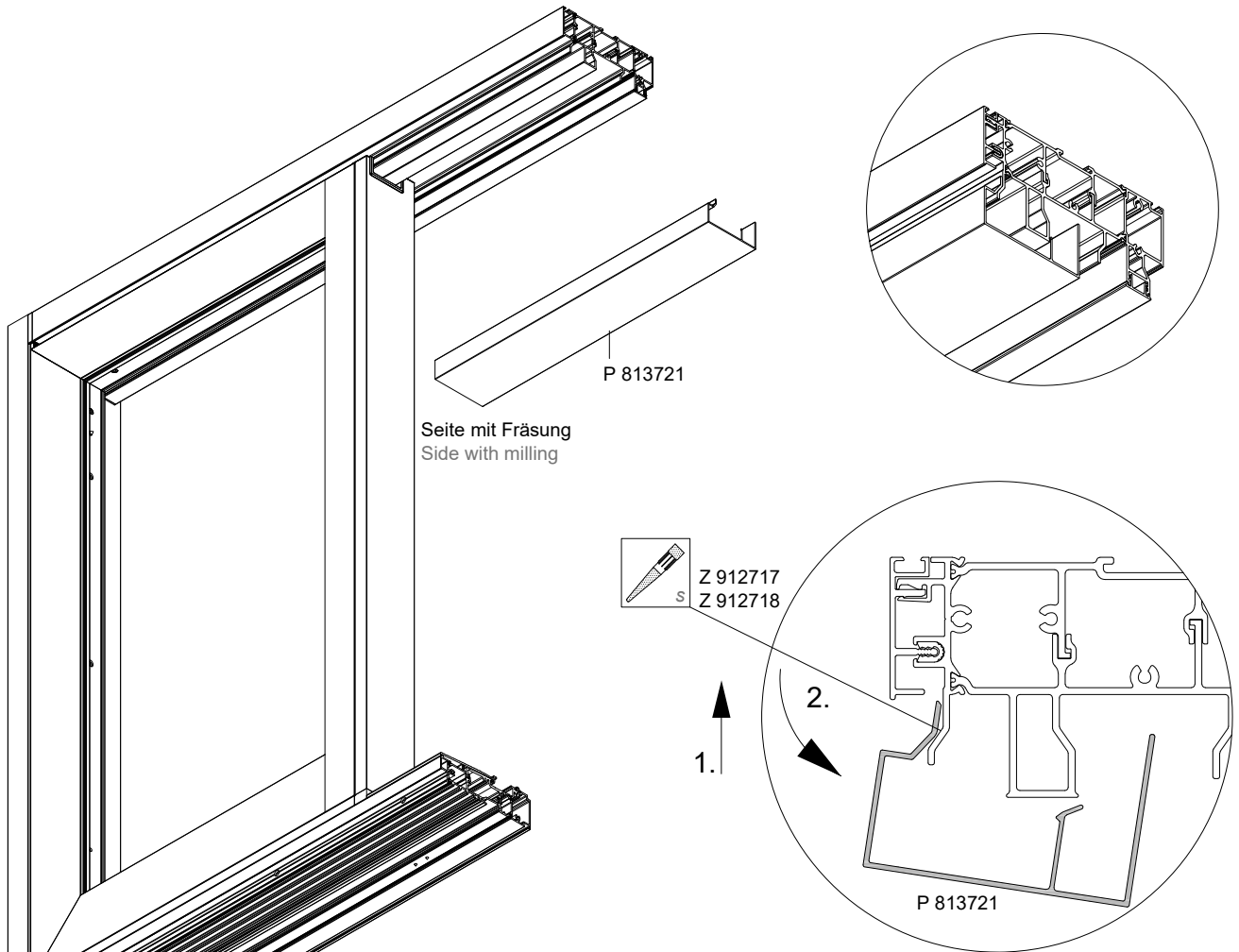
1. Standflügel von außen in den Rahmen setzen
2. Standflügel und Rahmen mit selbstbohrender Fassadenschraube Z 911939 verschrauben (siehe Tabelle)

Insert the inactive sash

1. Insert the inactive sash into the frame
2. Fix the inactive sash and the fixed frame with self-drilling screw Z 911939

MONTAGE
 ASSEMBLY



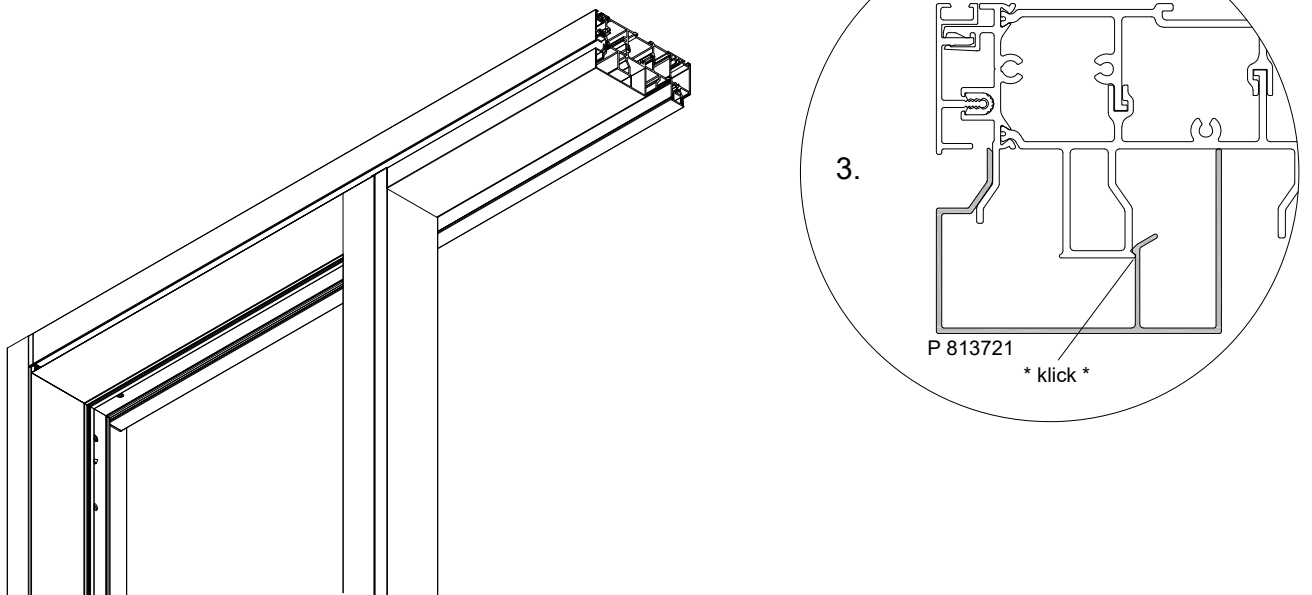


Bearbeitungsschritte

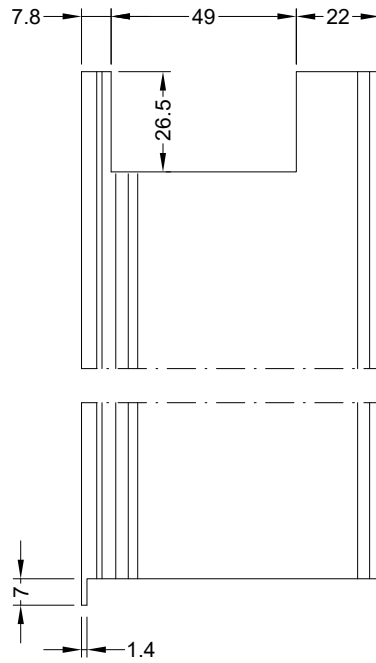
1. Abdeckprofil P 813721 zusägen und bearbeiten
2. Abdeckprofil mit Dichtstoff in Rahmenprofil B 813032 einklipsen

Processing steps

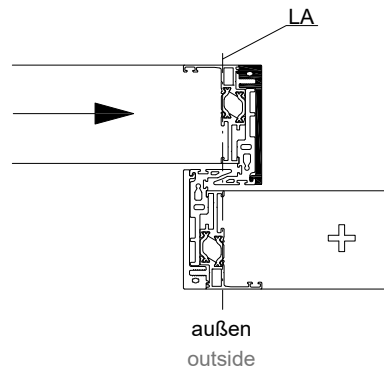
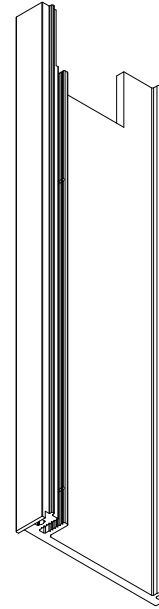
1. Cut the cover profile P 813721 to length and mill it
2. Snap on the cover profile with sealing compound to the frame profile B 813032



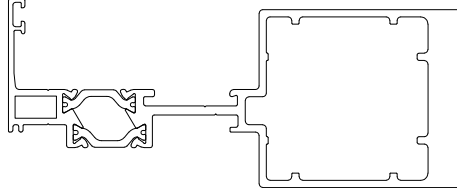
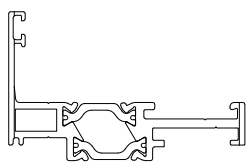
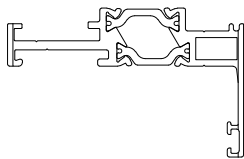
FLÜGELBEARBEITUNG • SCHMALES LABYRINTH
 SASH PROCESSING • NARROW LABYRINTH



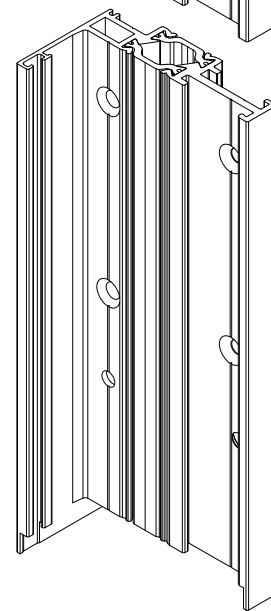
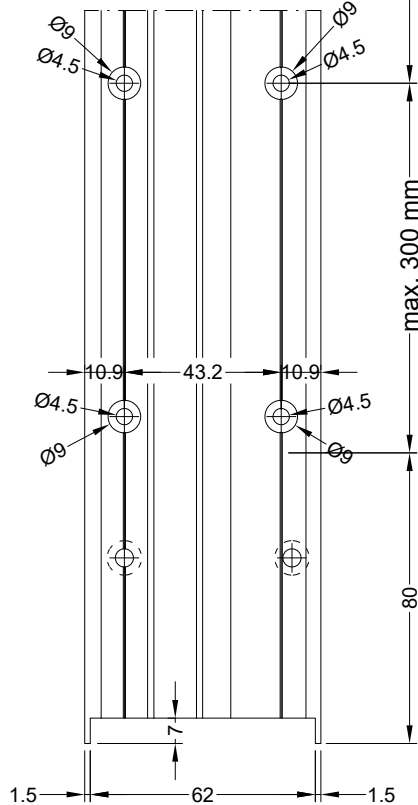
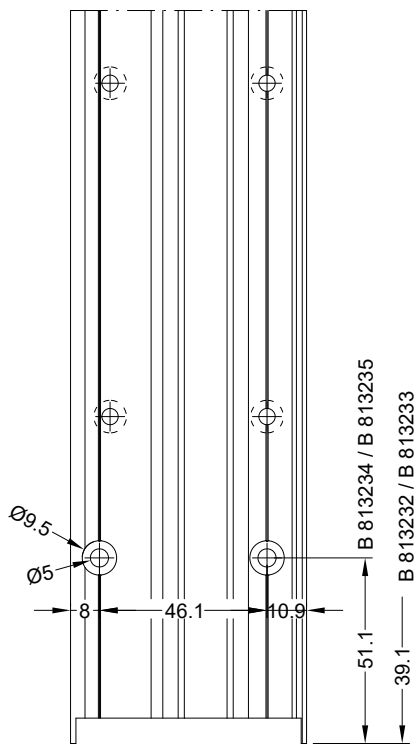
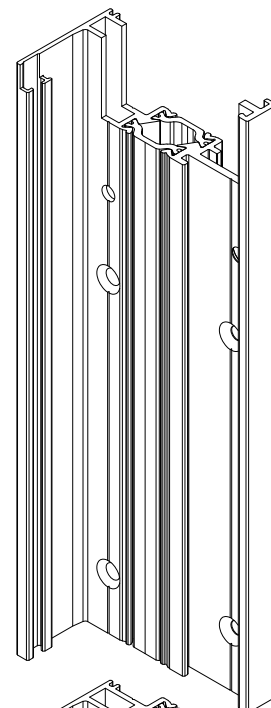
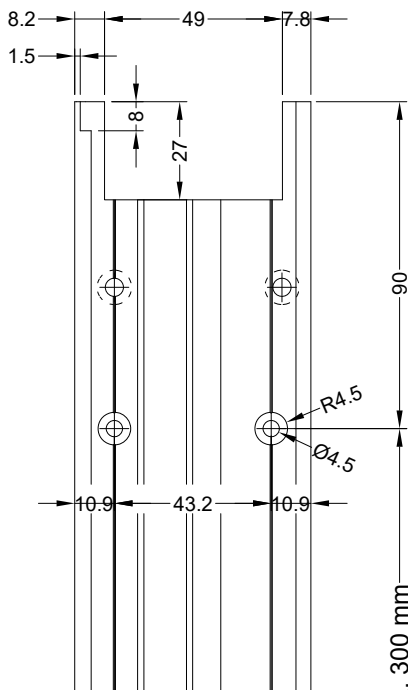
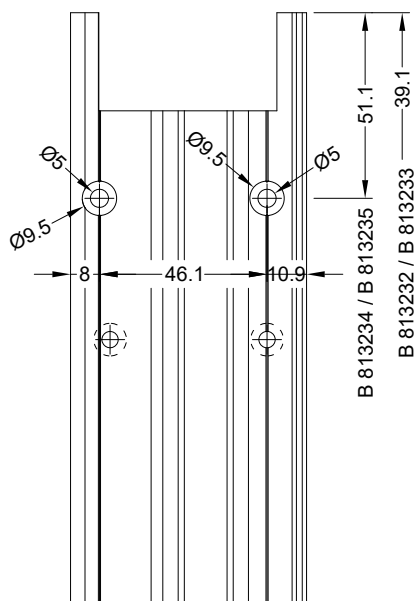
P 813760



Flügelprofil B 813740
 Sash profile B 813740



B 813750 Bearbeitung analog
 B_813750_processing equivalent



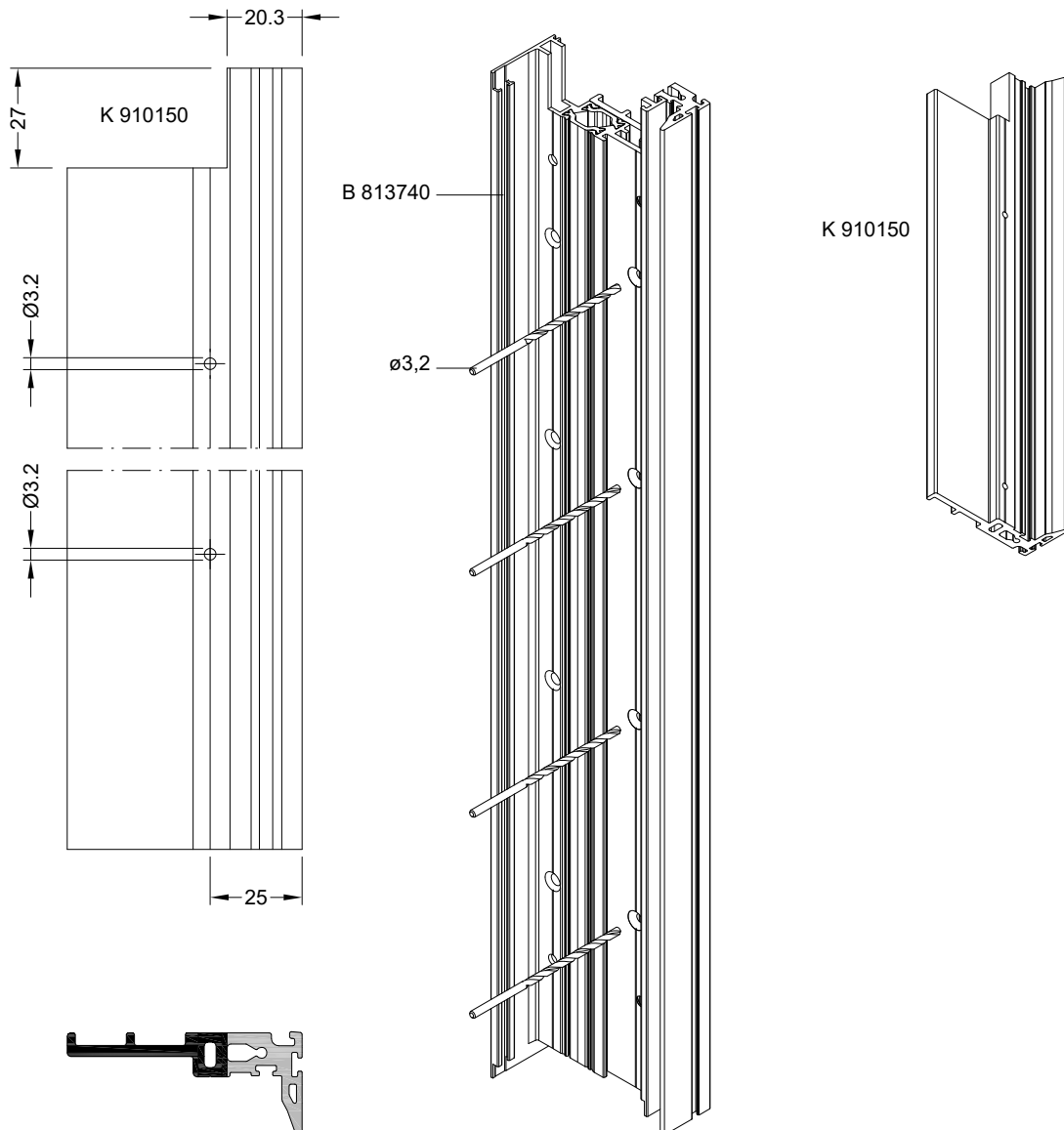
FLÜGELBEARBEITUNG • SCHMALES LABYRINTH
 SASH PROCESSING • NARROW LABYRINTH

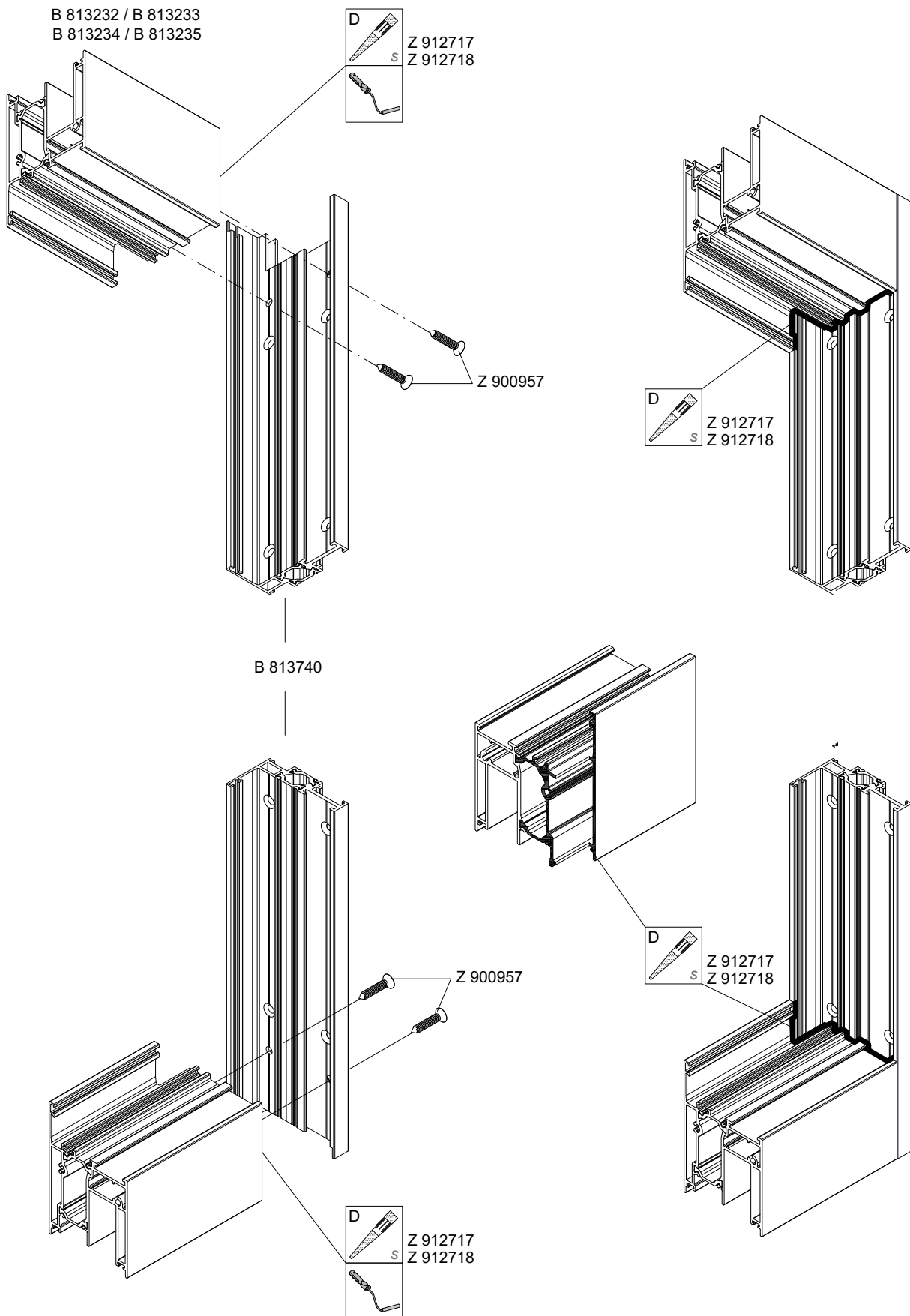
Bearbeitungsschritte

1. Labyrinthprofil K 910150 oben ausklinken
2. Labyrinthprofil mit \varnothing 3,2 mm bohren.
 Flügelprofil B 813740 als Schablone benutzen

Processing steps

1. Notch labyrinth profile K 910150 at top
2. Drill the labyrinth profile with \varnothing 3.2 mm.
 Use sash profile B 813740 as template





FLÜGELRAHMENVERBINDUNG • SCHMALES LABYRINTH
 SASH FRAME CONNECTION • NARROW LABYRINTH

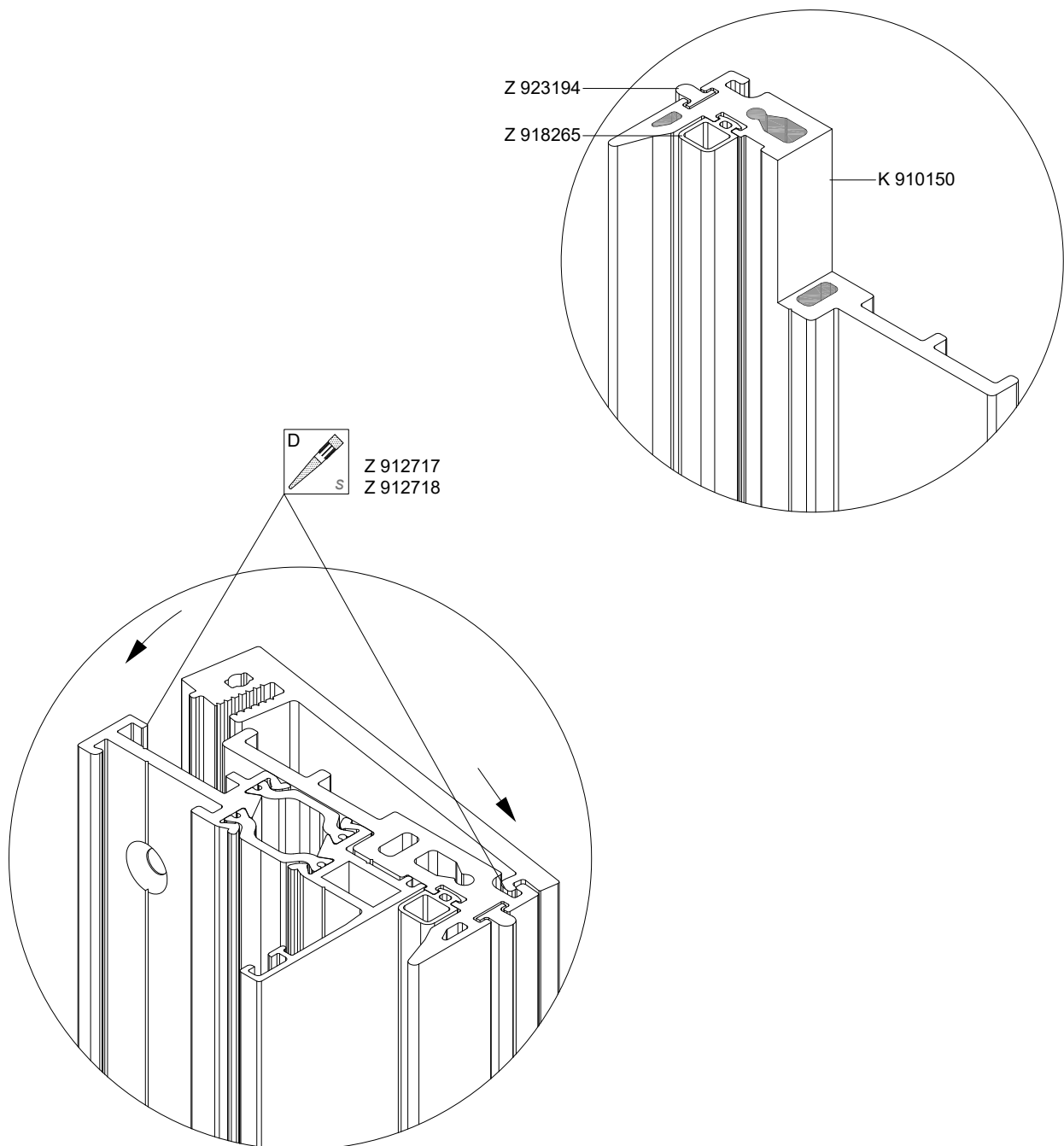
Bearbeitungsschritte

1. Labyrinthprofil K 910150 stirnseitig oben versiegeln und oben bündig mit Flügel ausrichten
2. Dichtungen Z 918265 und Z 923194 in Profil K 910150 einziehen und mit EPDM Kleber Z 912718 fixieren
3. Profil mit Schrauben Z 904057 (\varnothing 4,2 x 16 mm) und Z 913238 (\varnothing 4,2 x 22 mm) an Flügel verschrauben
4. Bearbeitetes Abdeckprofil P 813760 mit Dichtstoff versehen und aufklipsen

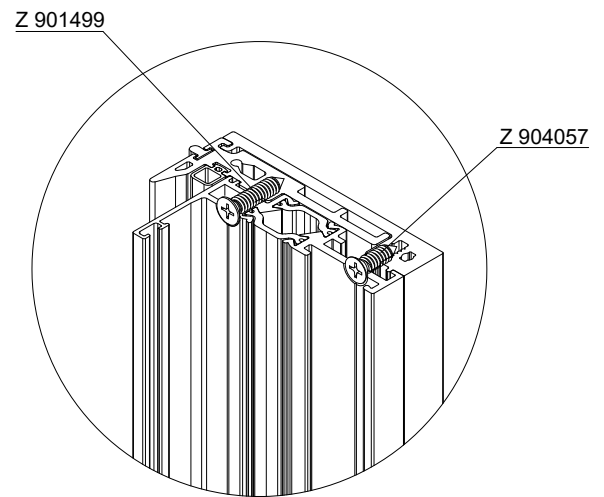
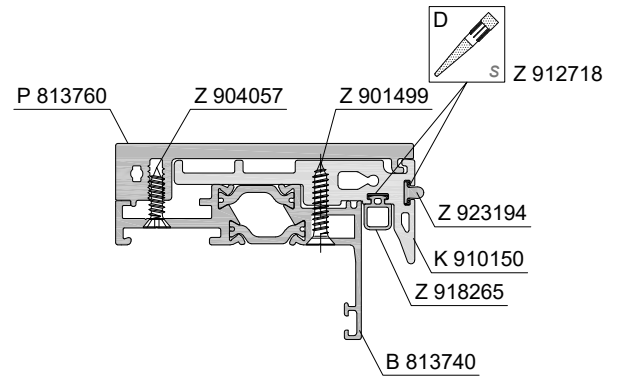
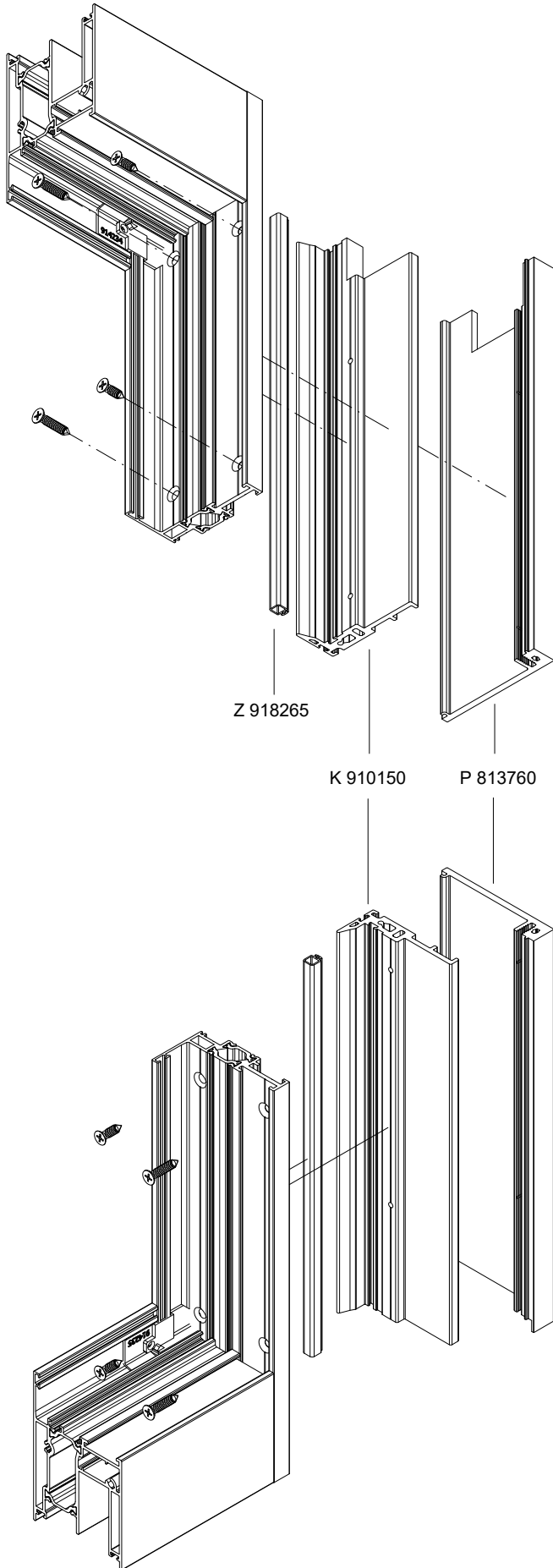
Processing steps

1. K 910150 sealed at the end and adjust.
2. Insert gaskets Z 918265 and Z 923194 into K 910150 and fix with glue Z 912718.
3. Drill 5 mm holes through B 813740 and countersink. Fix it on sash profile with screws Z 900957.
4. Fix the profile with screws Z 904057 (\varnothing 4,2 x 16 mm) and Z 913238 (\varnothing 4,2 x 22 mm)
5. Charge with sealing compound and snap on profile P 813760

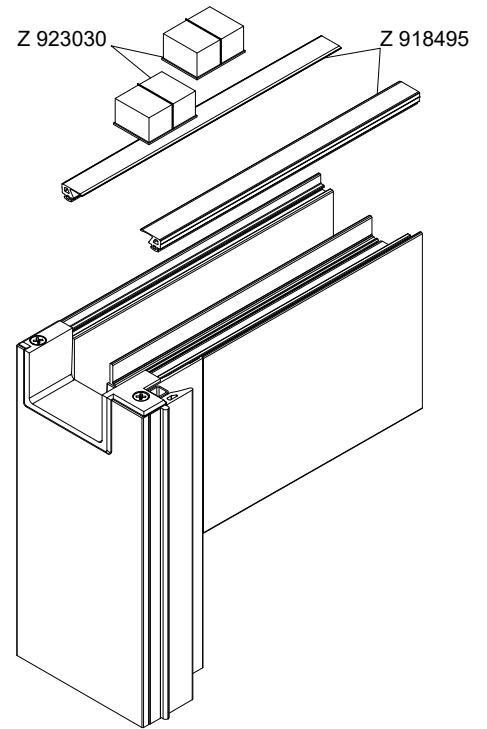
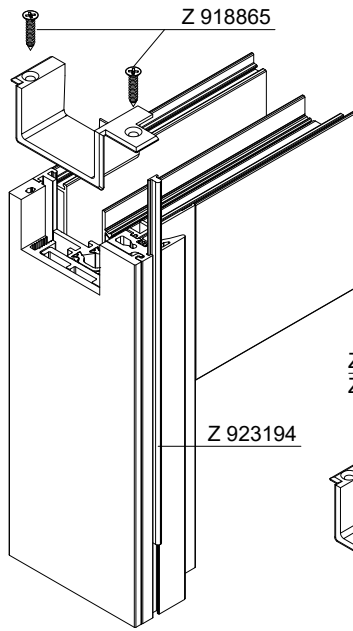
Oben mit Silikon füllen und Flächen glattstreichen
 Fill up top with silicone and rod the surface area



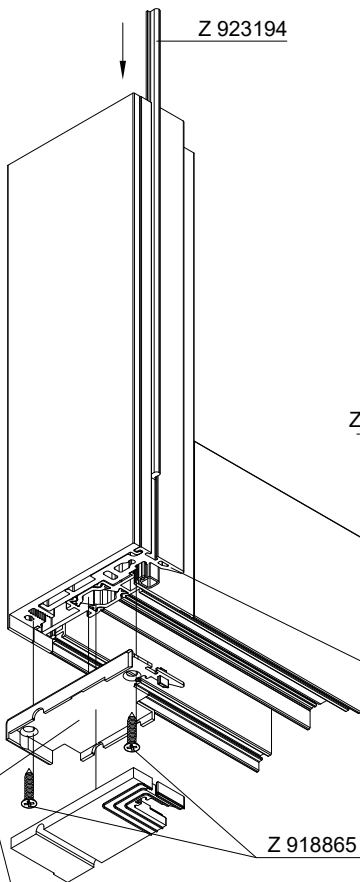
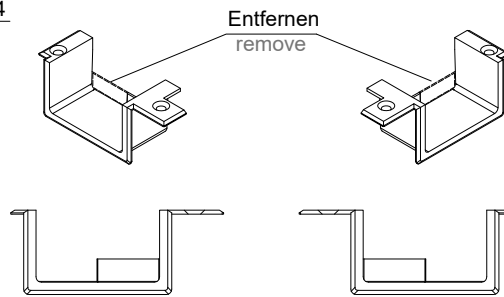
FLÜGELRAHMENVERBINDUNG • SCHMALES LABYRINTH
 SASH FRAME CONNECTION • NARROW LABYRINTH



FLÜGELRAHMENVERBINDUNG • SCHMALES LABYRINTH
 SASH FRAME CONNECTION • NARROW LABYRINTH



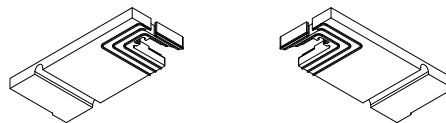
Z 923061	(schwarz) (black)	Z 923059
Z 923062	(weiß) (white)	Z 923060




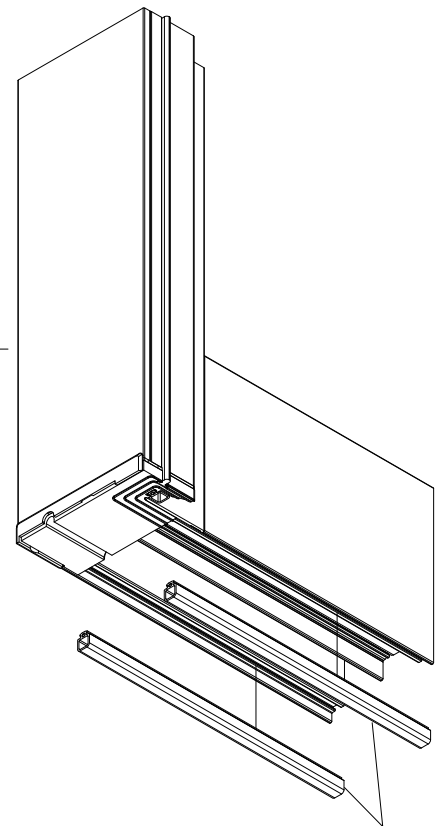
Z 923049	(schwarz) (black)	Z 923047
Z 923050	(weiß) (white)	Z 923048



Z 923044 (A2, MA2, D2)	Z 923043 (A1, MA1, D1)
Z 923046 (D2)	Z 923045 (D1)

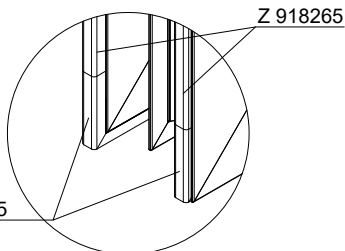
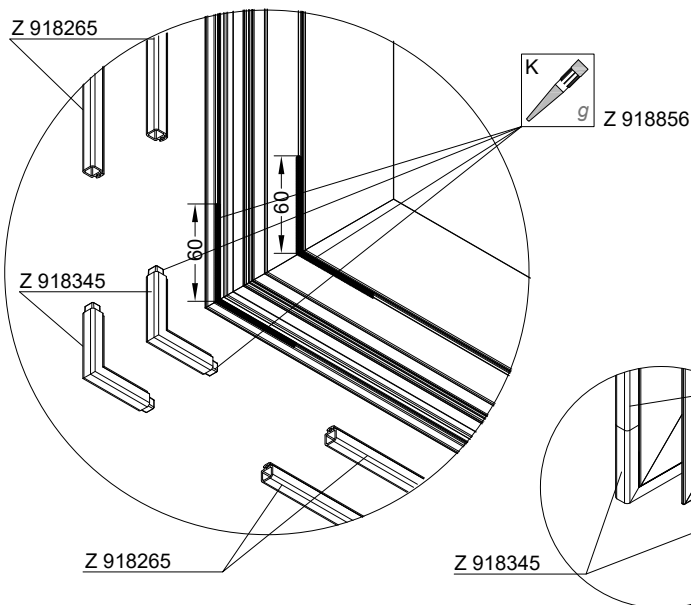
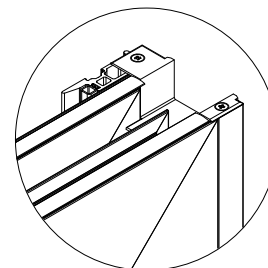
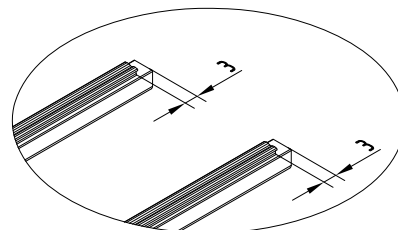
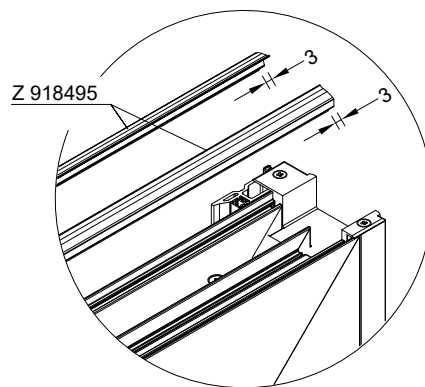
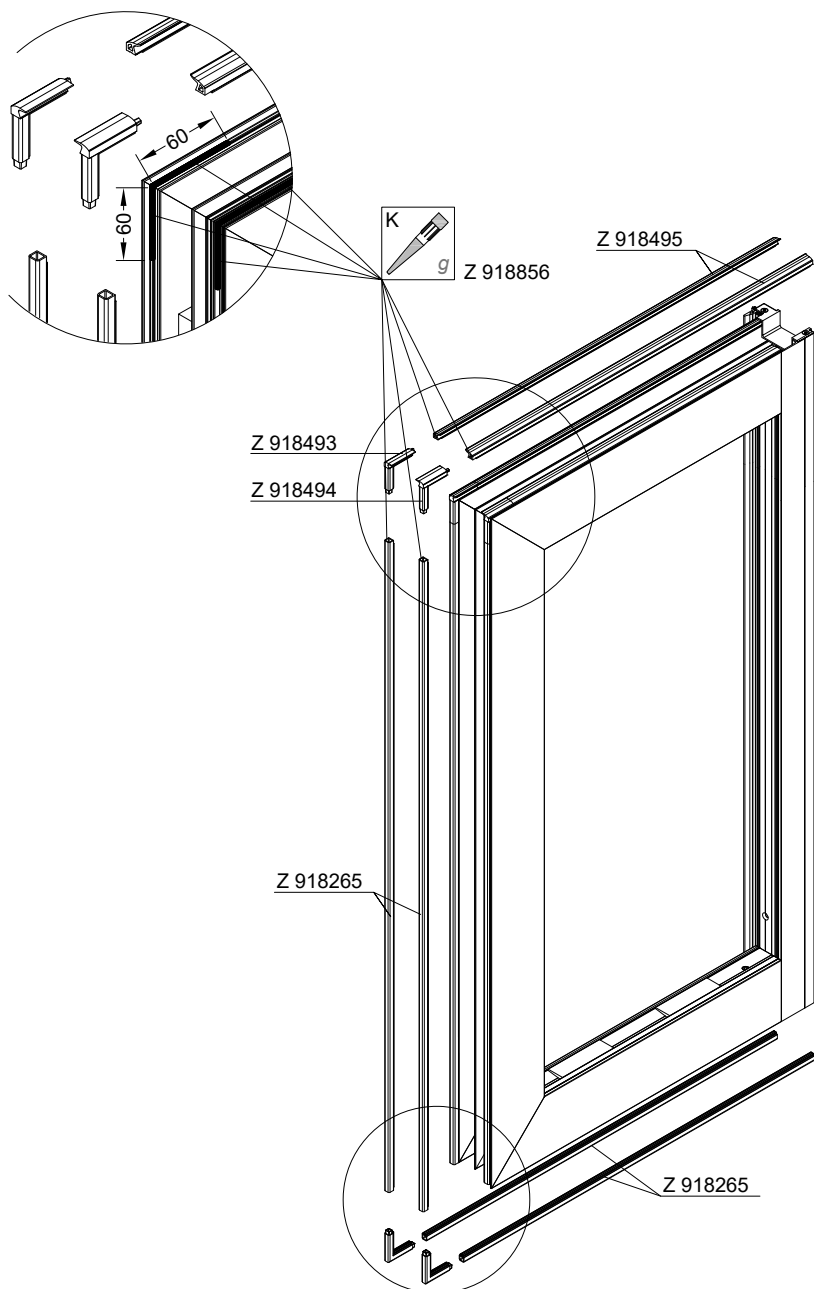


D  Z 912717
 Z 912718



K  Z 900931

MONTAGE
 ASSEMBLY



Bearbeitungsschritte

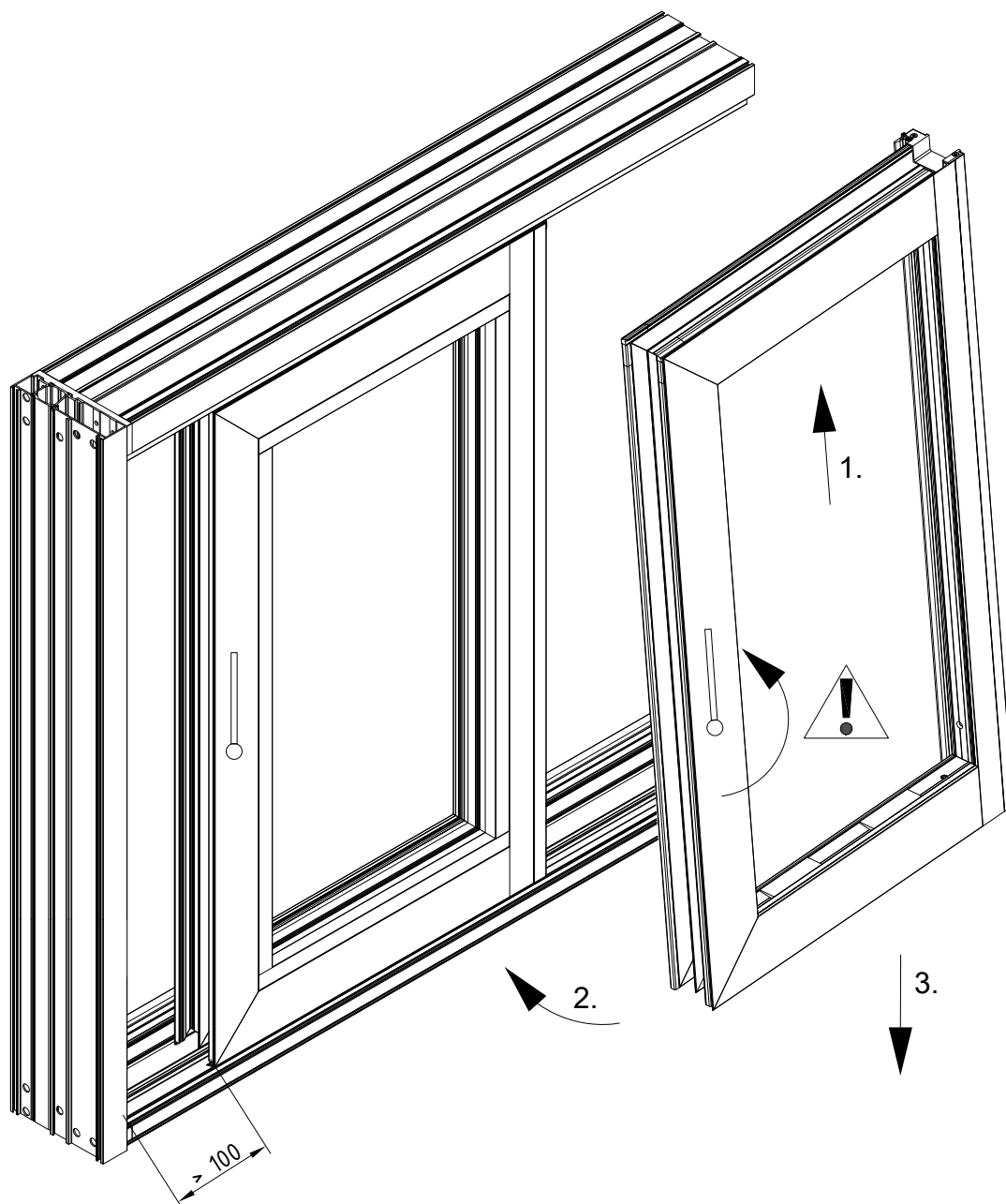
1. Dichtung Z 918265 zuschneiden (L = FH - 40)
(L = FB - 62)
2. Dichtung Z 918495 zuschneiden (L = FB - 42)
3. DichtungsfüÙe unten 3 mm ausschneiden
4. Dichtungen Z 918265, Z 918495 und Dichtungsecken
Z 918493 / Z 918494 / Z 918345 mit
Kleber Z 918856 verkleben

Processing steps:

1. Cut gasket Z 918265 (L = FH - 40)
(L = FB - 62)
2. Cut gasket Z 918495 (L = FB - 42)
3. Cut gasket fin 3 mm on bottom side
4. Gaskets Z 918265, Z 918495 and molded gasket
pieces Z 918493 / Z 918494 / Z 918345
glued with Z 918856



Griff auf "geschlossen" stellen
 Turn the handle on "closed" position



Einsetzen des Gangflügels

1. Den Gangflügel mindestens 100 mm von der Endposition in den Rahmen setzen.
 Äussere Flügel von außen, innere Flügel von innen einsetzen.

Insert the active sash

1. Insert the active sash with a distance of minimum 100 mm from the end position into the frame.
 Insert outer sashes from the outside, inner sashes from the inside.

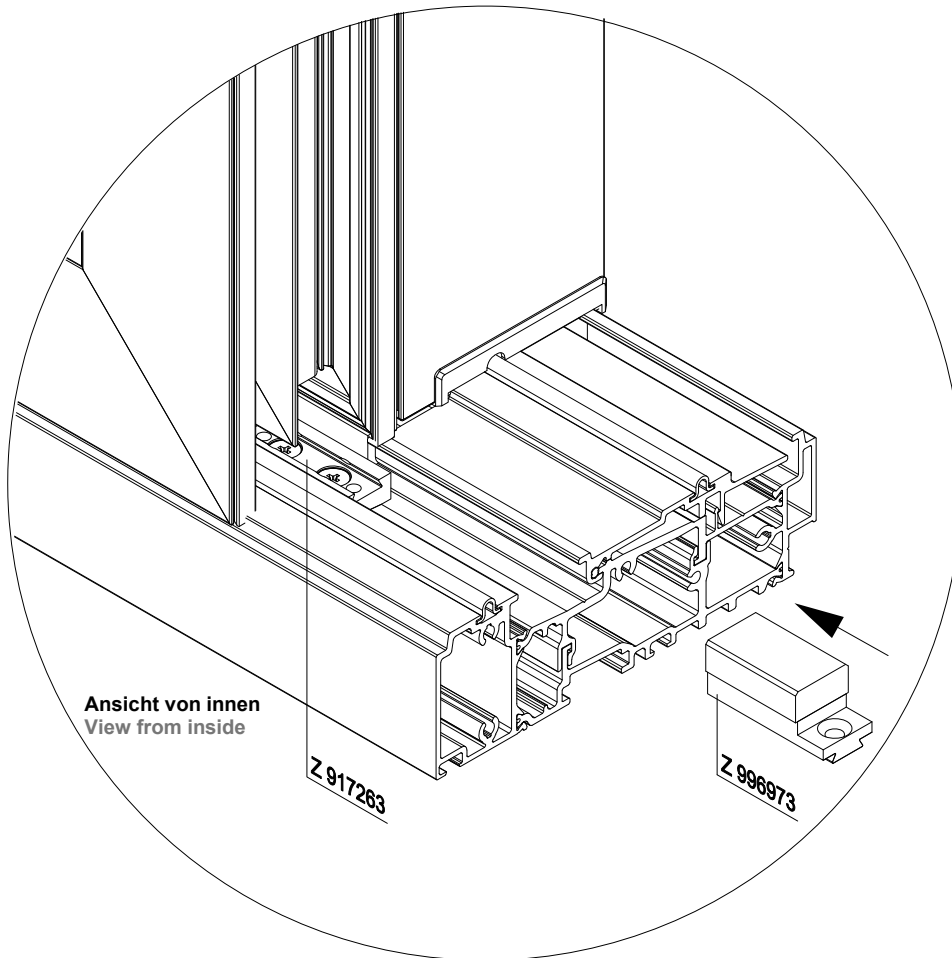
MONTAGE • MITTENVERRIEGELUNG
ASSEMBLY • CENTRAL LOCK

Bearbeitungsschritte nach Montage des Flügels:

Schließteil Z 996973 auf Unterteil aufschieben
und mit Schraube M5x10 sichern

Processing steps after assembling the sash:

Slide in the locking part Z 996973 and fix it with screw M5x10

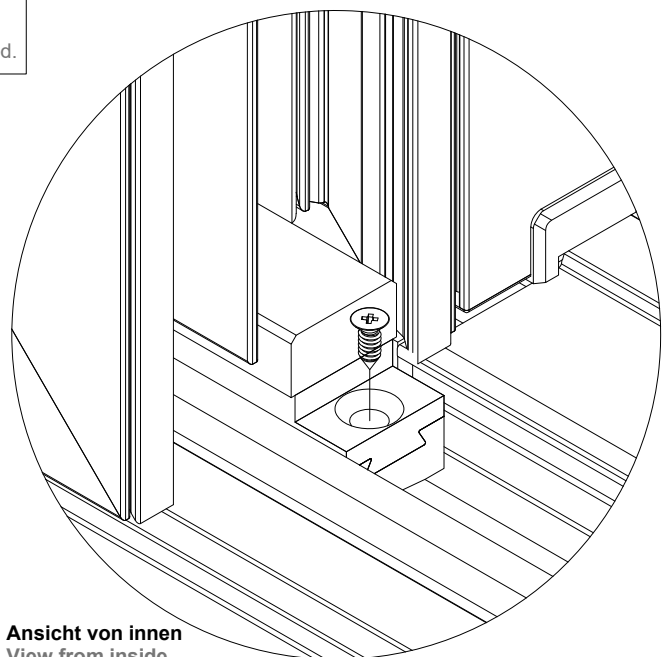


Hinweis:

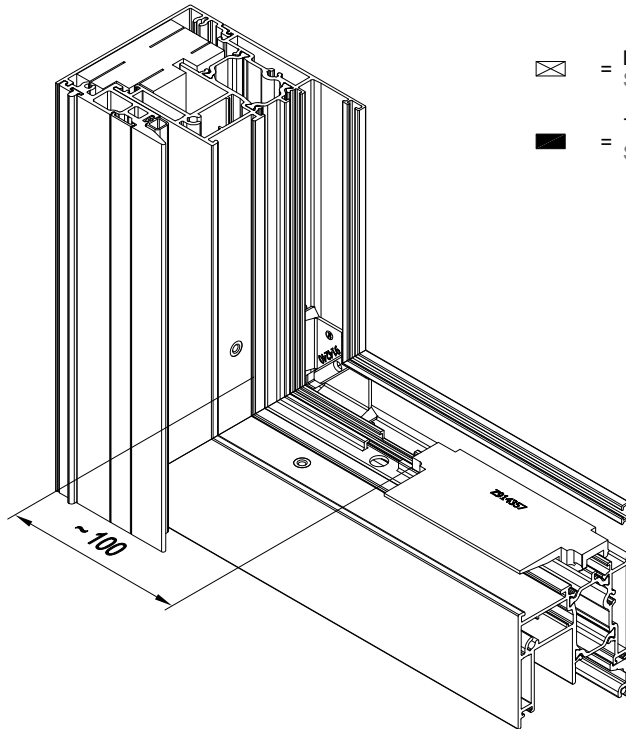
Das Schließteil Z 996973 kann nur bei gänzlich geöffnetem Flügel montiert werden. Der Griff des äusseren Flügels muss hierfür demontiert sein.

Note:

The locking part Z 996973 can only be inserted, when the sash is completely open. The handle of the outer sash has to be demounted.

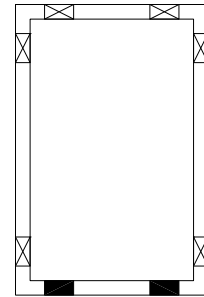


Verklotzung
Blocking

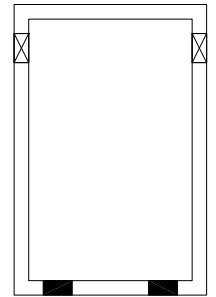


- = Distanzklotz
Spacer block
- = Tragklotz
Setting block

Distanzklotze sichern
Secure spacer block

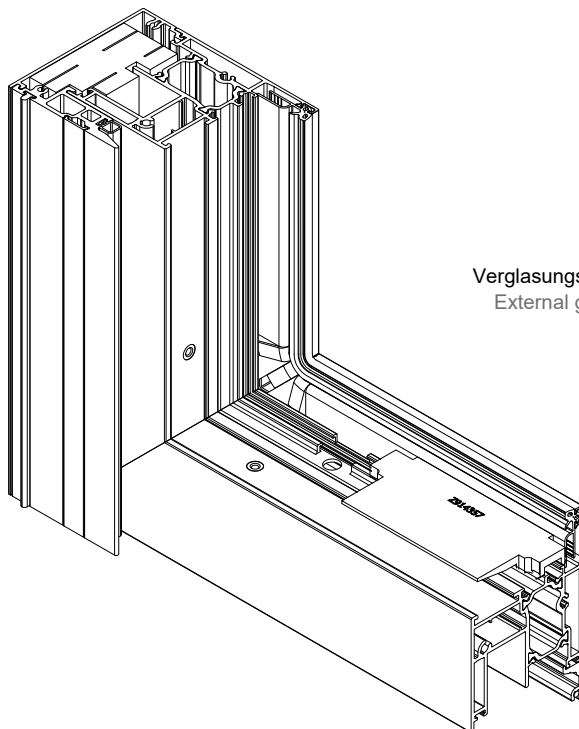
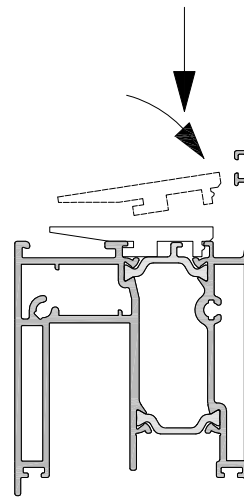


Gangflügel
Active sash

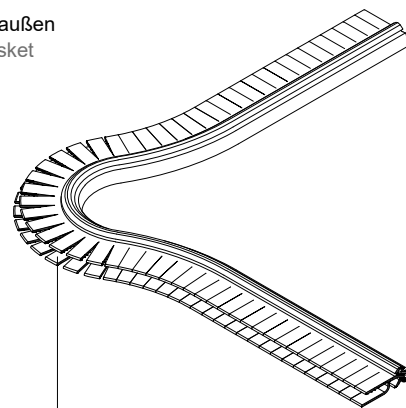


Standflügel

Inactive
sash



Verglasungsdichtung außen
External glazing gasket



Perforierte Dichtungsfahnen aufreißen
Tear open perforated gasket fin

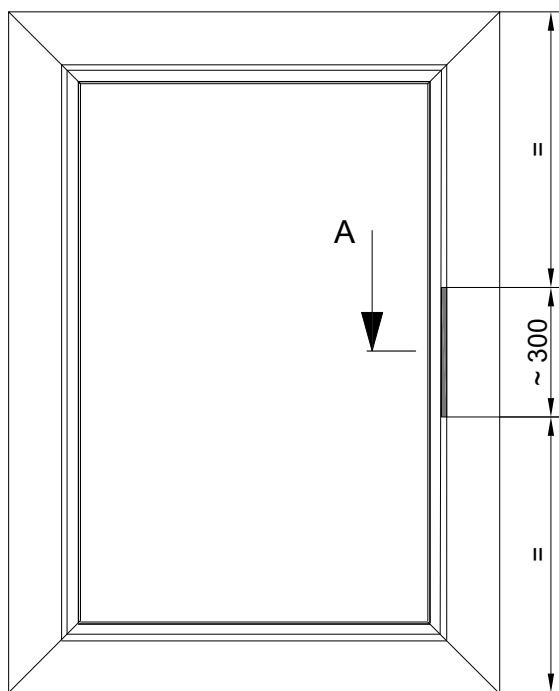
Bearbeitungsschritte

1. Äußere Verglasungsdichtungen werden umlaufend eingezogen
2. Beginn und Ende (Stoßstelle) mittig oben verkleben
3. Im Eckbereich perforierte Dichtungsfahnen aufreißen
4. Zuschnittslänge ca. 1% Übermaß.
Dichtung dehn- und stauchfrei eindrücken

Processing steps

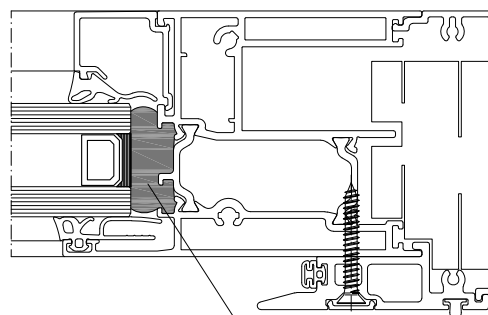
1. External glazing gaskets can be drawn in continuously into the frame and sash
2. Glue start and end (joint area) in upper central area
3. Tear open the perforated gasket fins in the corner area
4. Cutting length approx. 1 % oversize.
Press in gasket without extension or compression

Bei Flügelhöhen >2500 mm sind Glas und Flügelprofil im Labyrinth zu verkleben
When sash heights >2500 mm glass and sashprofil has to be glued



Schema A, D und C
Scheme A, D and C

A - A



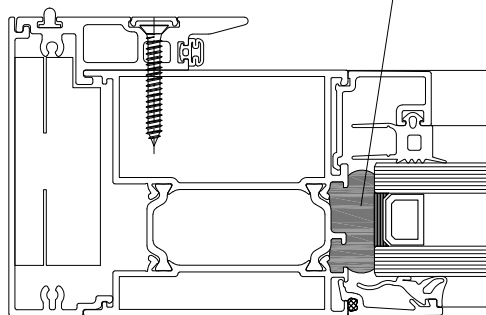
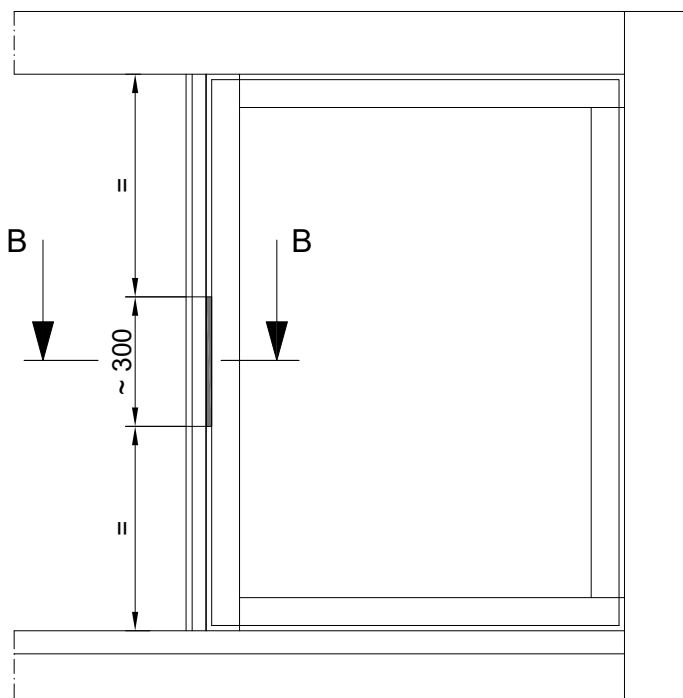
Flügel
Sash

Bei der Verklebung ist auf Verträglichkeit des Klebers und des Randverbundes zu achten.
While gluing take attention on compatibility of the glue and the edge seal.



Schema MA, MG,
MK und MC
Scheme MA, MG,
MK and MC

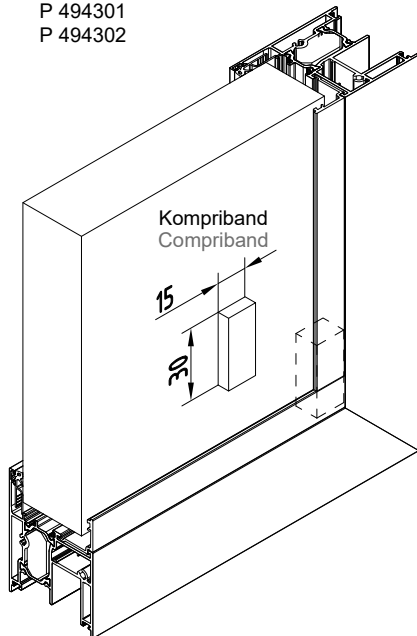
B - B



Festfeld
Fixed field

Nur bei Glasleisten
Only when glazing beads

P 494200
P 494233
P 494300
P 494301
P 494302

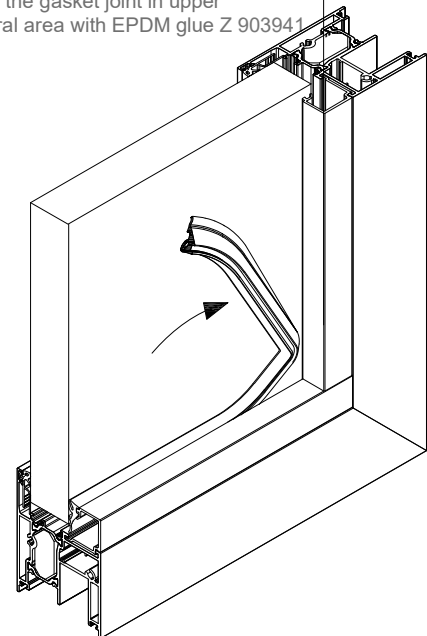


Dichtungsstoß oben mittig
mit EPDM Kleber Z 903941 verkleben

Glue the gasket joint in upper
central area with EPDM glue Z 903941



Z 901962
Z 901963



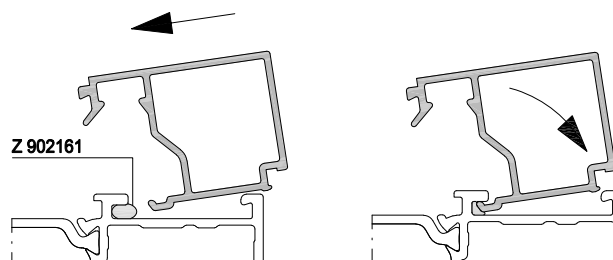
Glasleiste Glazing bead	Einsatzbereich Kompriband Range of application
494200	Spaltmaß + 4 mm Gap dimension + 4 mm
494233	Spaltmaß + 1,5 mm Gap dimension + 1,5 mm
494300	Spaltmaß Gap dimension
494301	
494302	

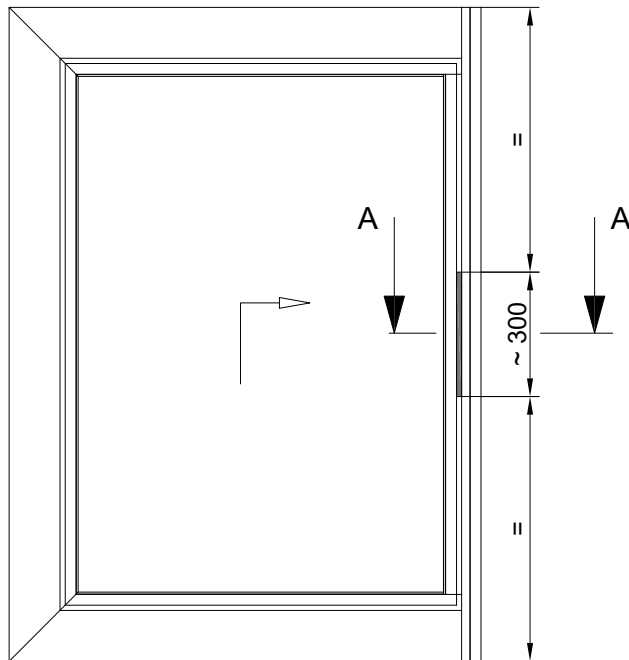
Sicherung der Glasleisten gegen Herausfallen bei Transport ohne Glas und bei RC2 Anforderung

1. Dichtstücke in die Glasleistenaufnahme drücken (mindestens 2 Stücke/Leiste; L = ca. 30 mm aus Z 902161)
2. Glasleiste einsetzen

Securing the glazing beads against falling out for transportation without glazing and with RC2 requirement

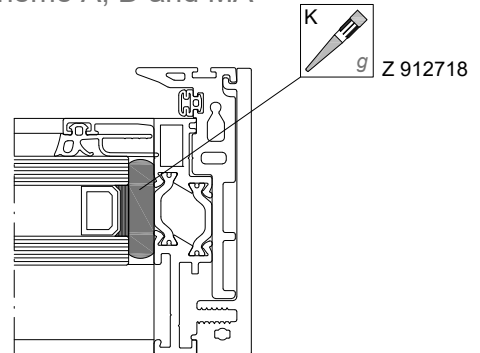
1. Press gasket pieces into the nest for glazing bead, at least 2 pieces, length = approx. 20 mm of Z 902161
2. Insert the glazing bead



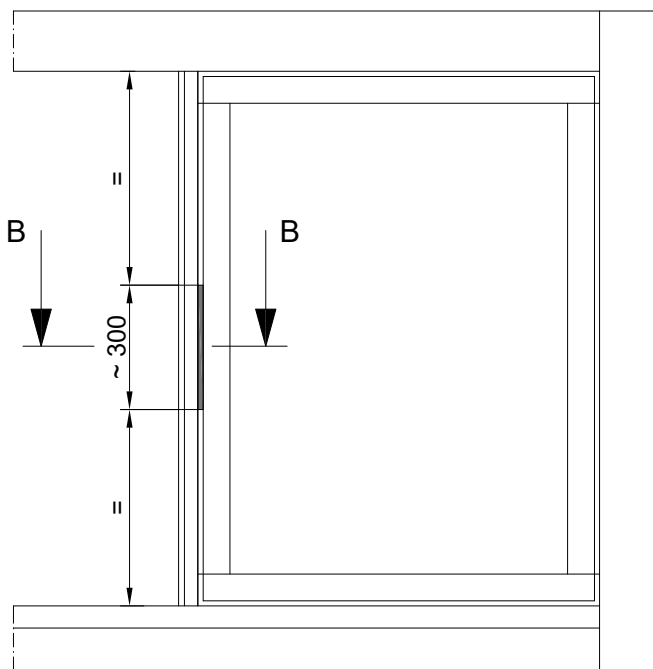


A - A

Schema A, D und MA
Scheme A, D and MA

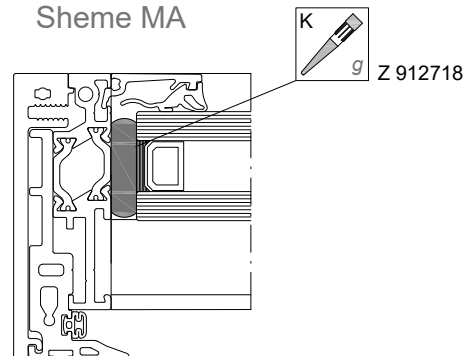


Flügel
Sash

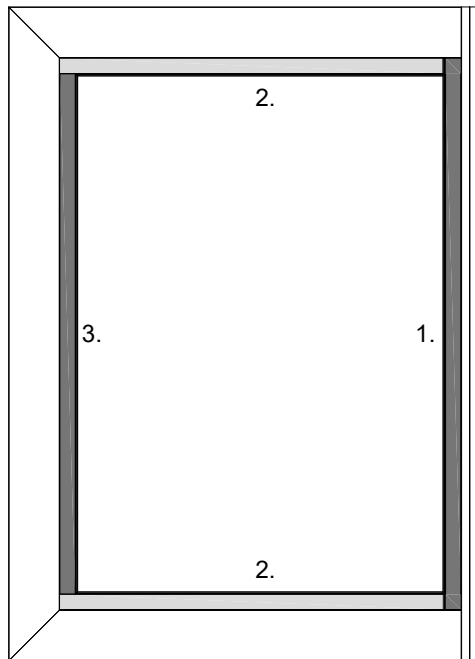


B - B

Schema MA
Scheme MA



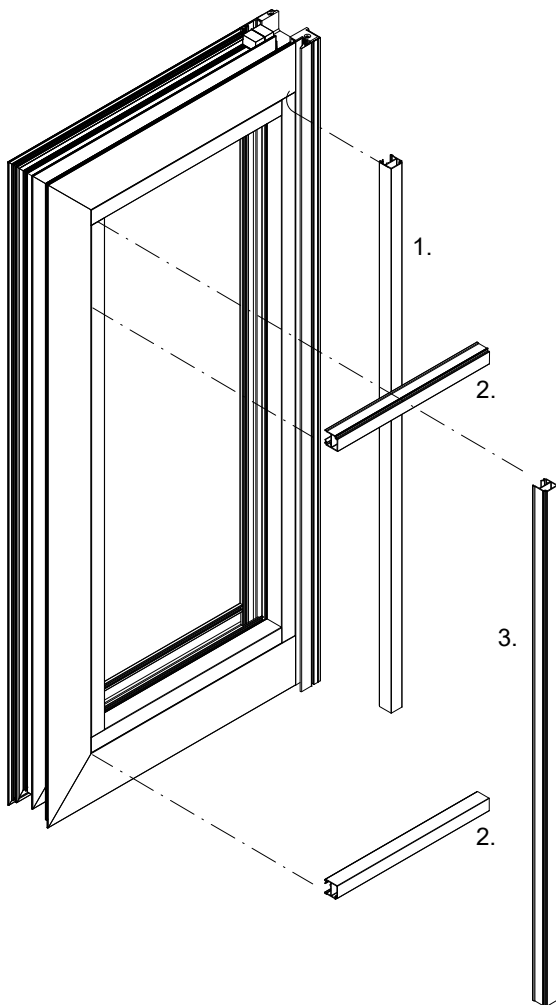
Festfeld
Fixed light



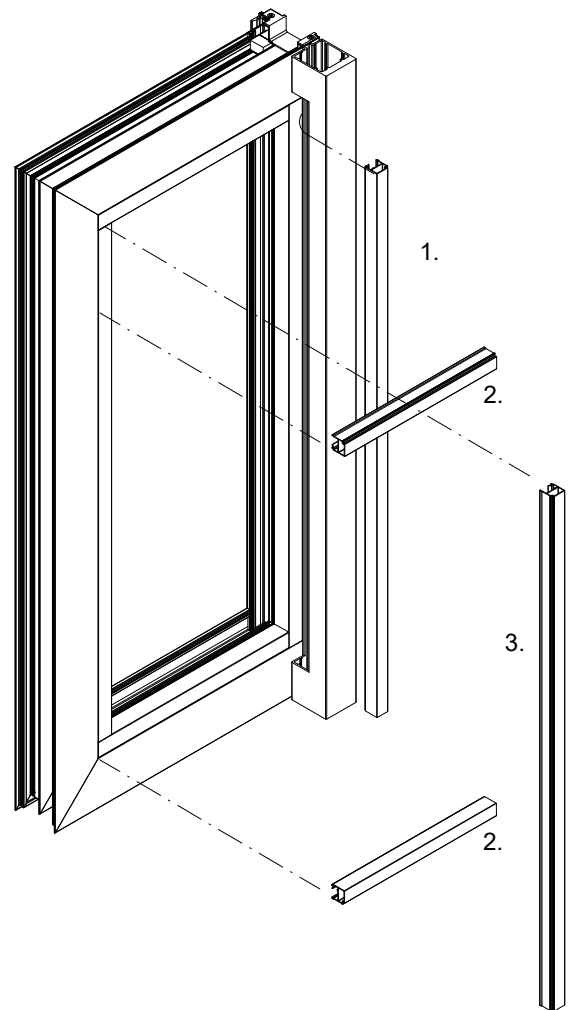
Einsetzen der Glasleisten
 Installing glazing beads

Innerer Flügel - Standard
 Interior sash - standard

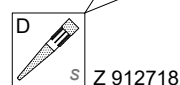
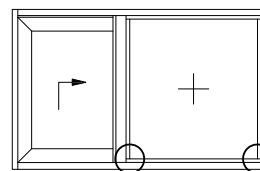
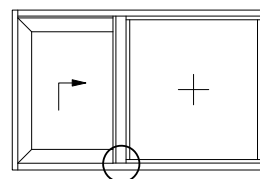
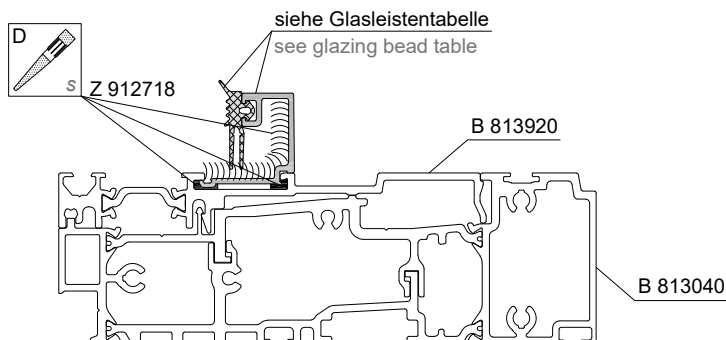
Äusserer Flügel
 Exterior sash



Innerer Flügel mit Statikprofil B 813750
 Interior sash with static reinforcement B 813750

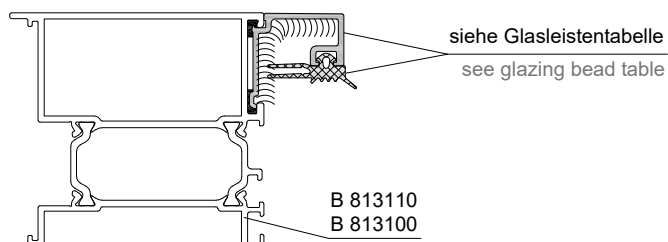


B 813040 + B 813920

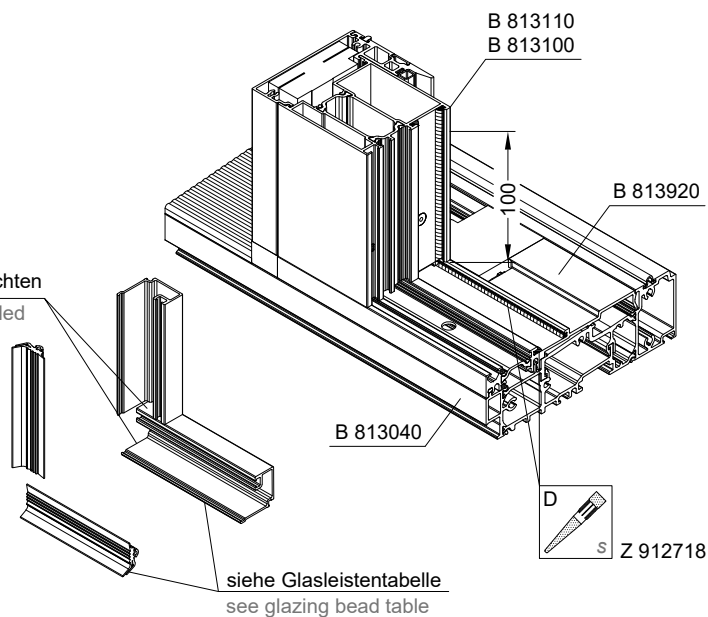


Glasleistenstöße abdichten
Glazing bead joint sealed

B 813110 / B 813100



Glasleistenstöße abdichten
Glazing bead joint sealed

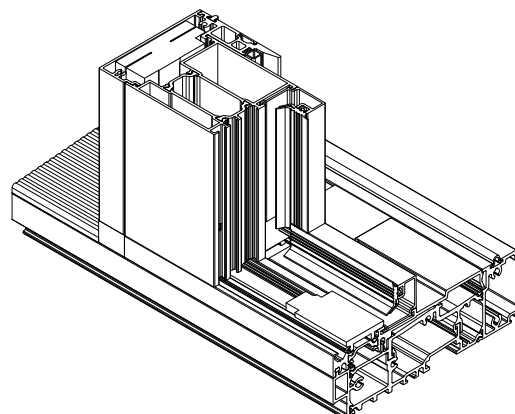


Bearbeitungsschritte



1. Glasleisten umlaufend einsetzen
2. Innere Verglasungsdichtungen stumpf gestoßen
Zuschnittslänge ca. 1% Übermaß
Dichtung dehn- und stauchfrei eindrücken

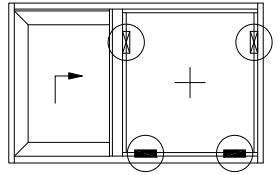
Processing steps

1. Insert glazing beads continuously
2. Internal glazing gasket butt jointed
Cutting length approx. 1 % oversize.
Press in gasket without extension or compression



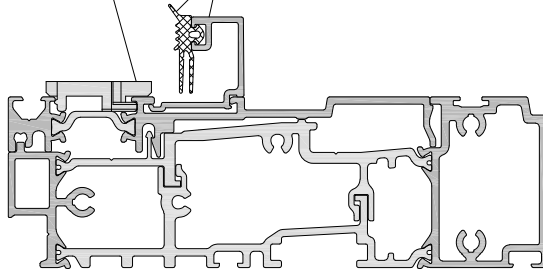
Einbaubeispiel
 samples of installation

-  = Distanzklotz
 Spacer block
-  = Tragklotz
 Setting block

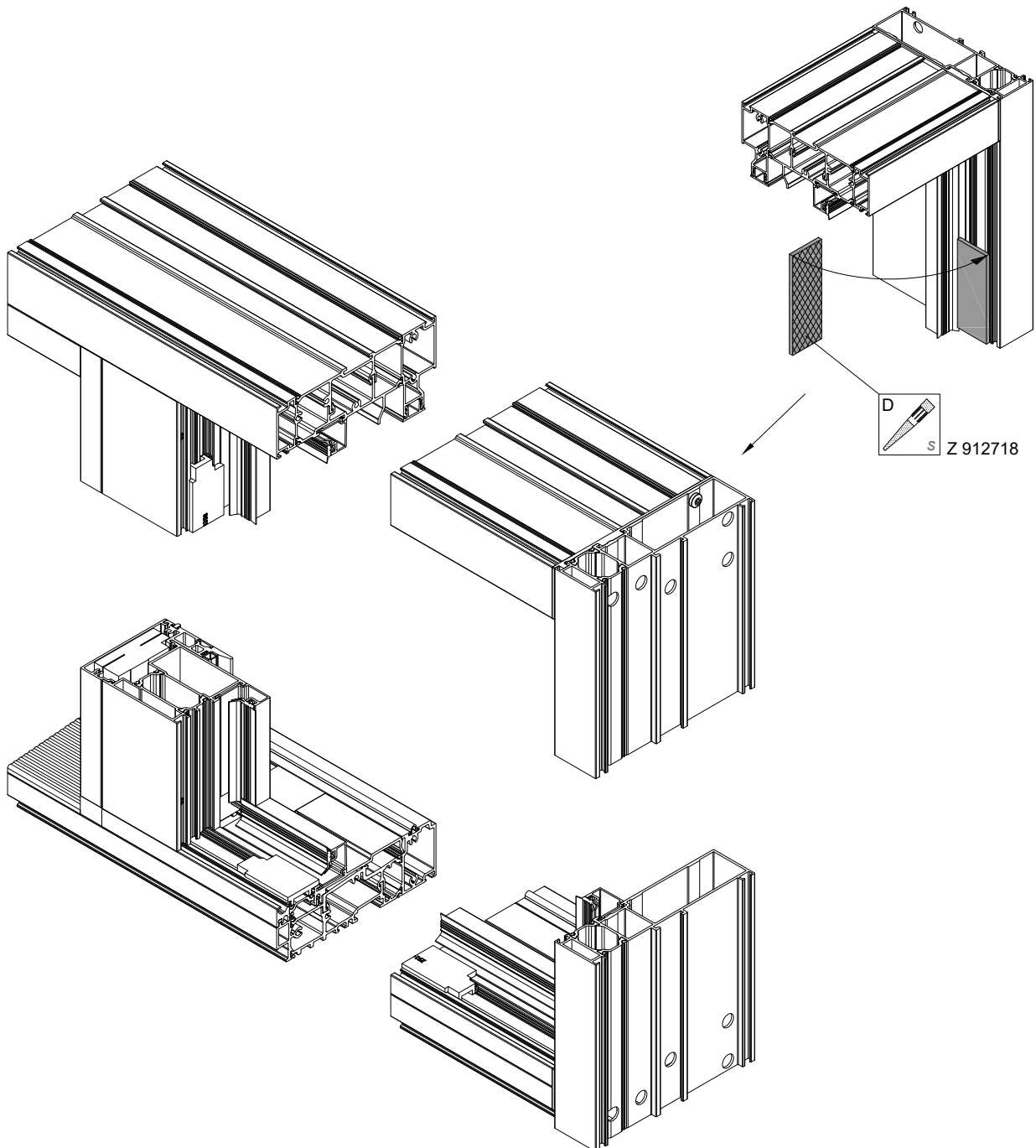


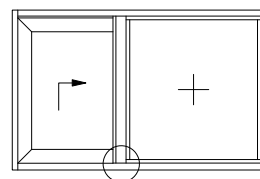
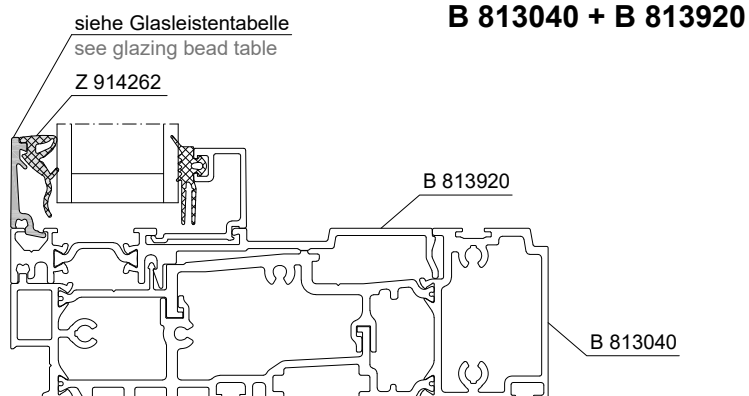
siehe Verglasungstabelle
 see glazing table

siehe Glasleistentabelle
 see glazing bead table

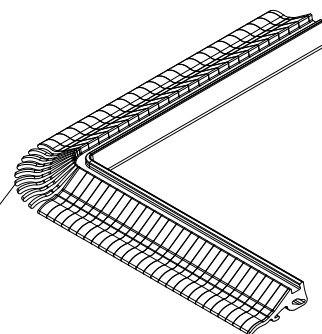


Hinweis:
 Tragklötze am Rand platzieren
Note:
 Place the setting blocks on the edge



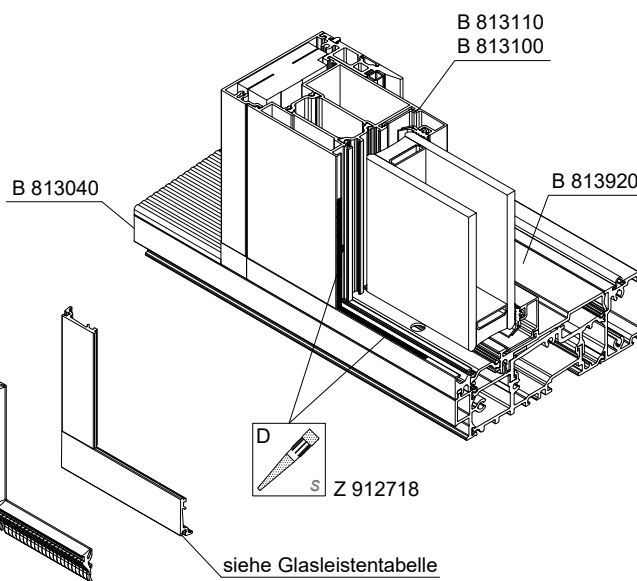
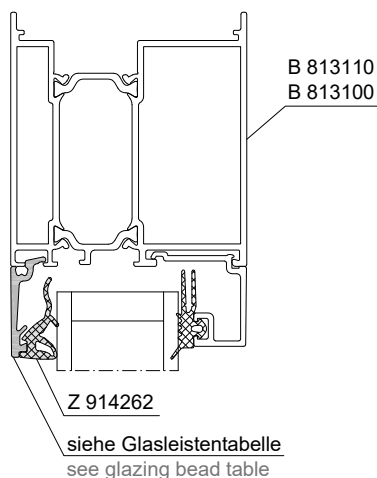


Verglasungsdichtung außen
External glazing gasket



Im Eckbereich Perforierte
Dichtungsfahnen aufreißen
Tear open perforated
gasket fins in corner area

B 813110 / B 813100

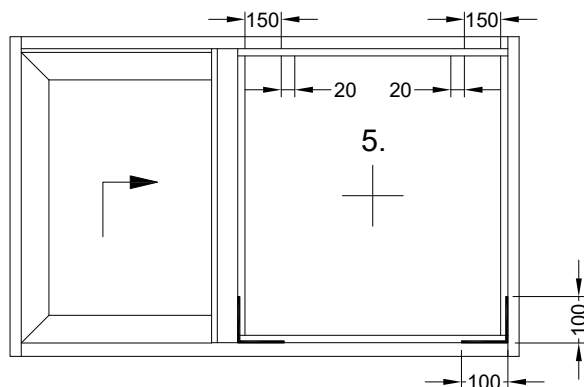


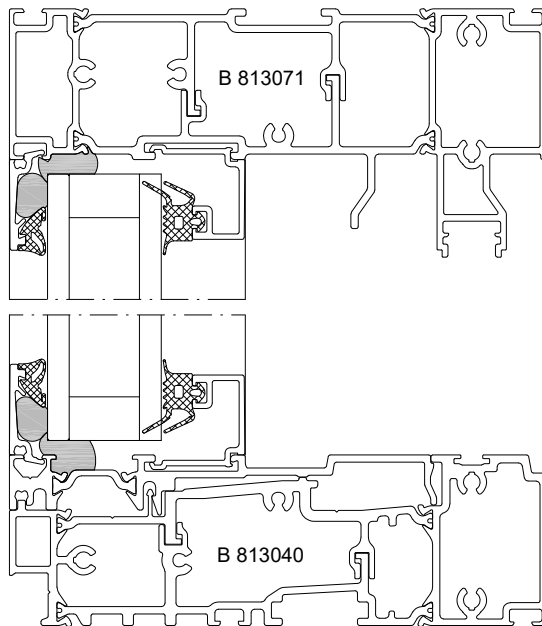
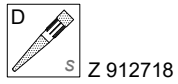
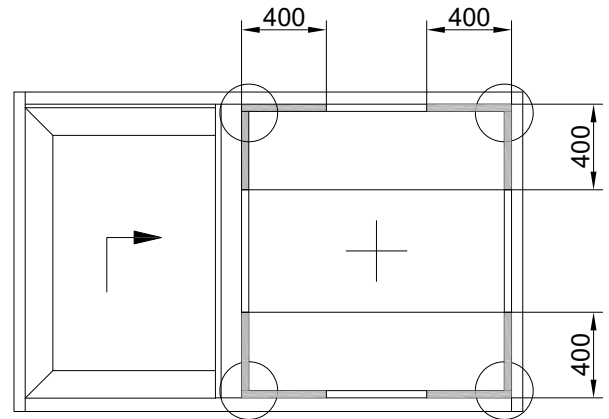
Bearbeitungsschritte

1. Dichtstoff in den Ecken aufbringen
2. Glasleisten umlaufend einsetzen
3. Äußere Verglasungsdichtung umlaufend einziehen
Zuschnittslänge ca. 1% Übermaß
Dichtung dehn- und stauchfrei eindrücken
4. Im Eckbereich perforierte Dichtungsfahnen aufreißen
5. Zur Belüftung, Verglasungsdichtung ca. 20mm ausschneiden
6. Beginn und Ende (Stoßstelle) mittig oben verkleben mit EPDM Kleber Z 903941

Processing steps

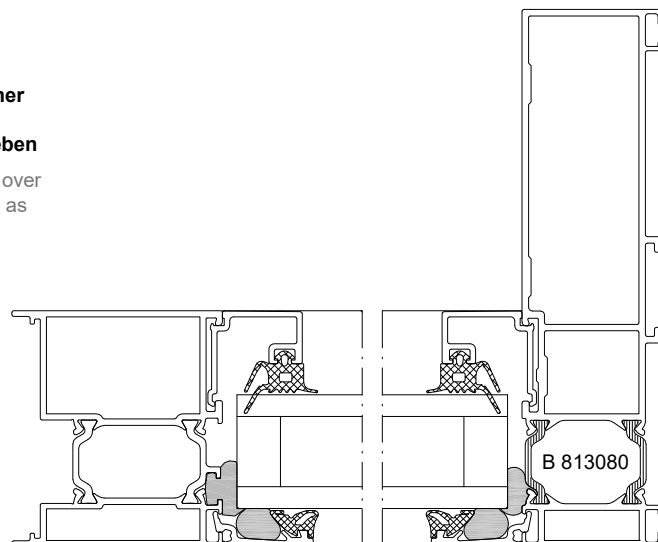
1. Apply sealing compound to the edges
2. External glazing gaskets can be drawn in continuously into the frame and sash
3. Cutting length approx. 1 % oversize. Press in gasket without extension or compression
4. Tear open the perforated gasket fins in the corner area
5. For ventilation, glazing gasket cutted by 20mm
6. Glue start and end (joint area) in upper central area with EPDM glue Z 903941



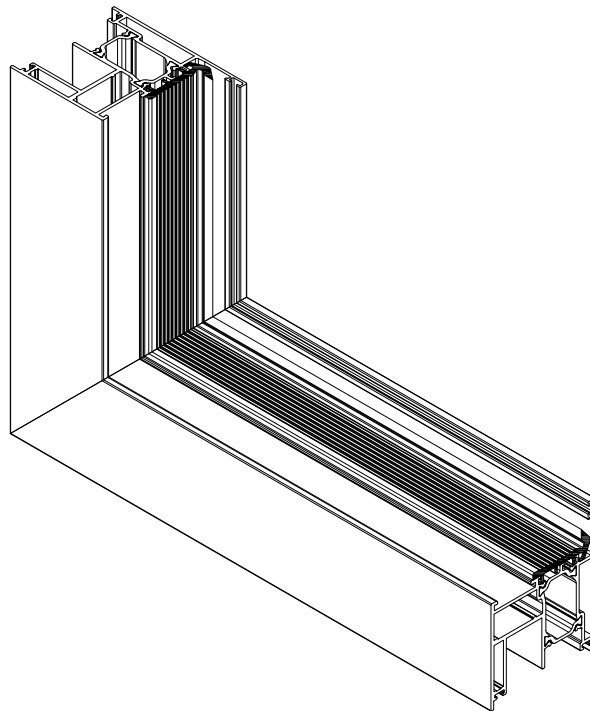
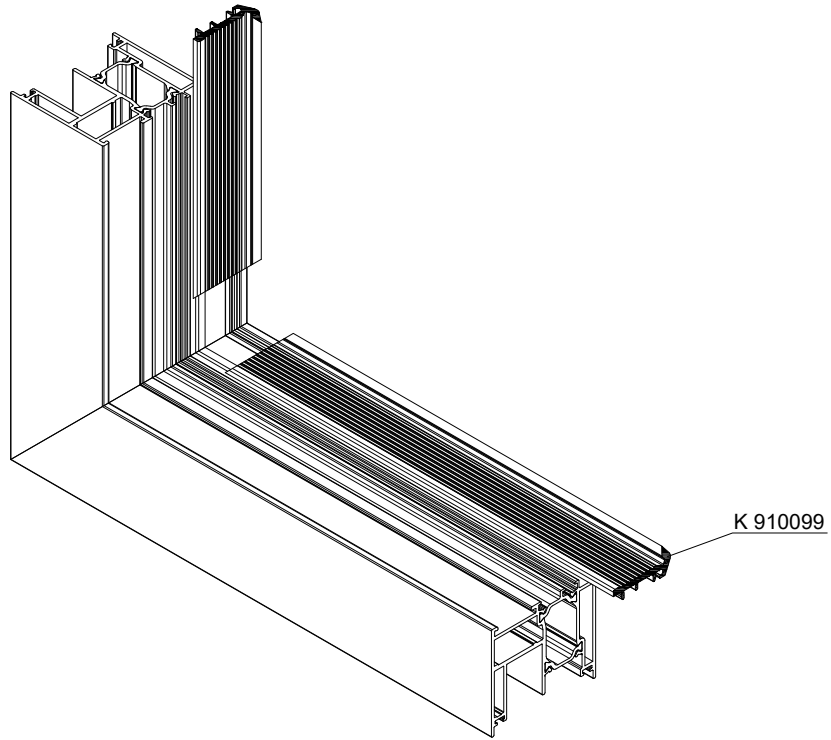


Profile und Glasscheibe auf einer Länge von jeweils 400mm wie dargestellt in den Ecken verkleben

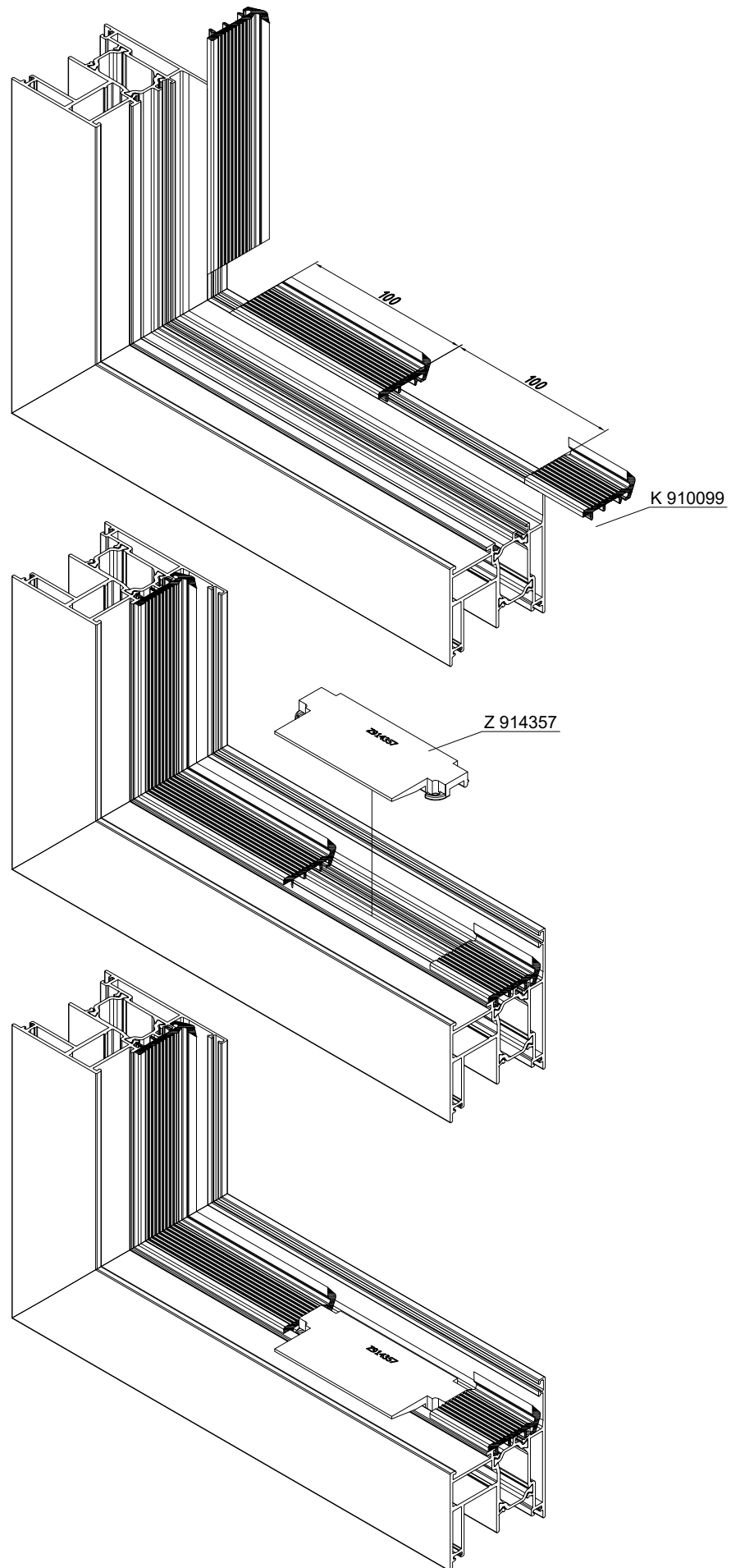
Profiles and glass must be glued over a length of 400mm in the corners as shown



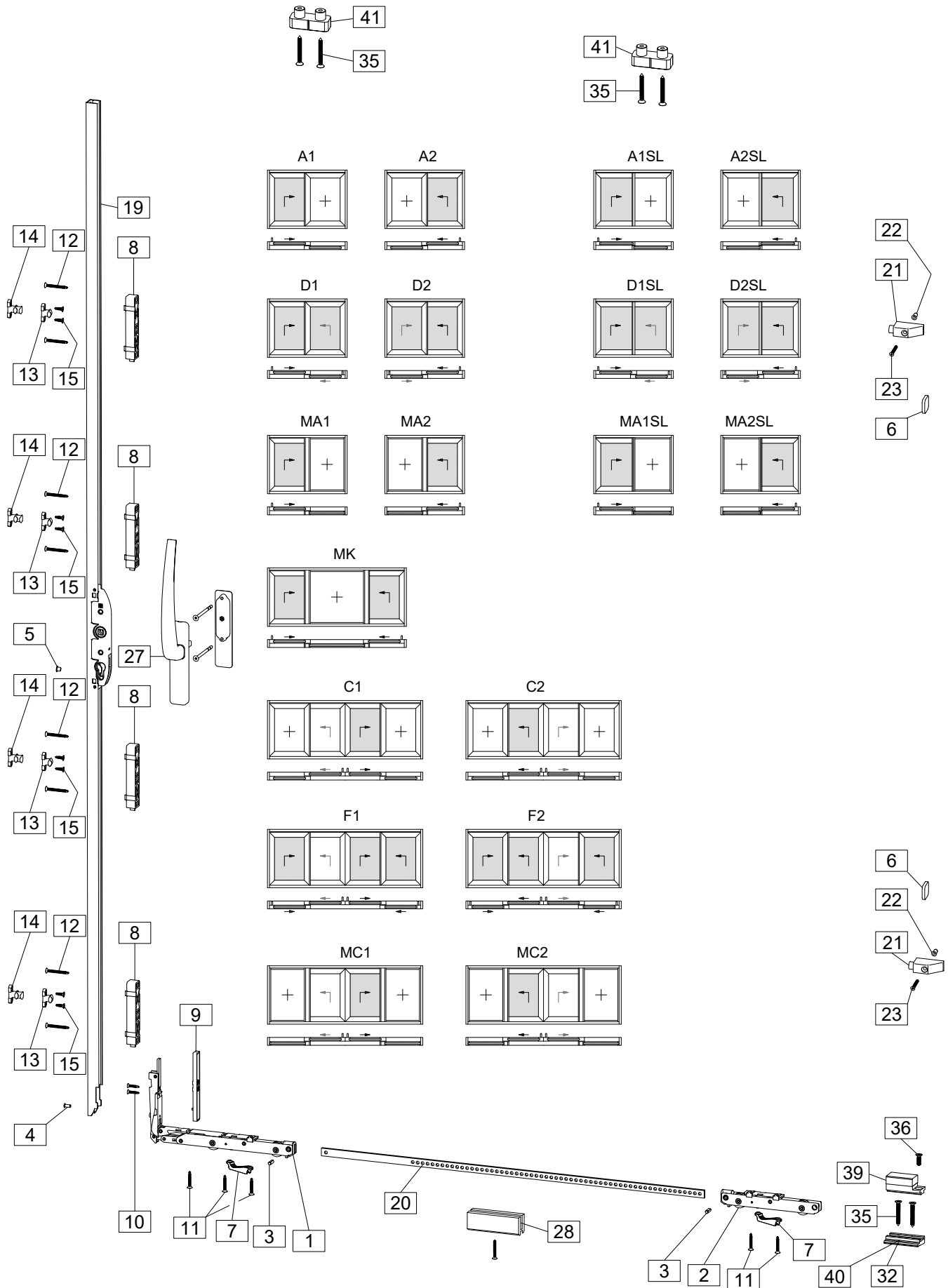
MONTAGE RC 2 UNTERLAGE K 910099 FÜR GLASSTÄRKE BIS 33 MM
ASSEMBLING RC 2 SUPPORT K 910099 FOR GLASS THICKNESS UP TO 33 MM



MONTAGE RC 2 UNTERLAGE K 910099 FÜR GLASSTÄRKEN > 33 MM - 46 MM
ASSEMBLING RC 2 SUPPORT K 910099 FOR GLASS THICKNESS > 33 MM - 46 MM



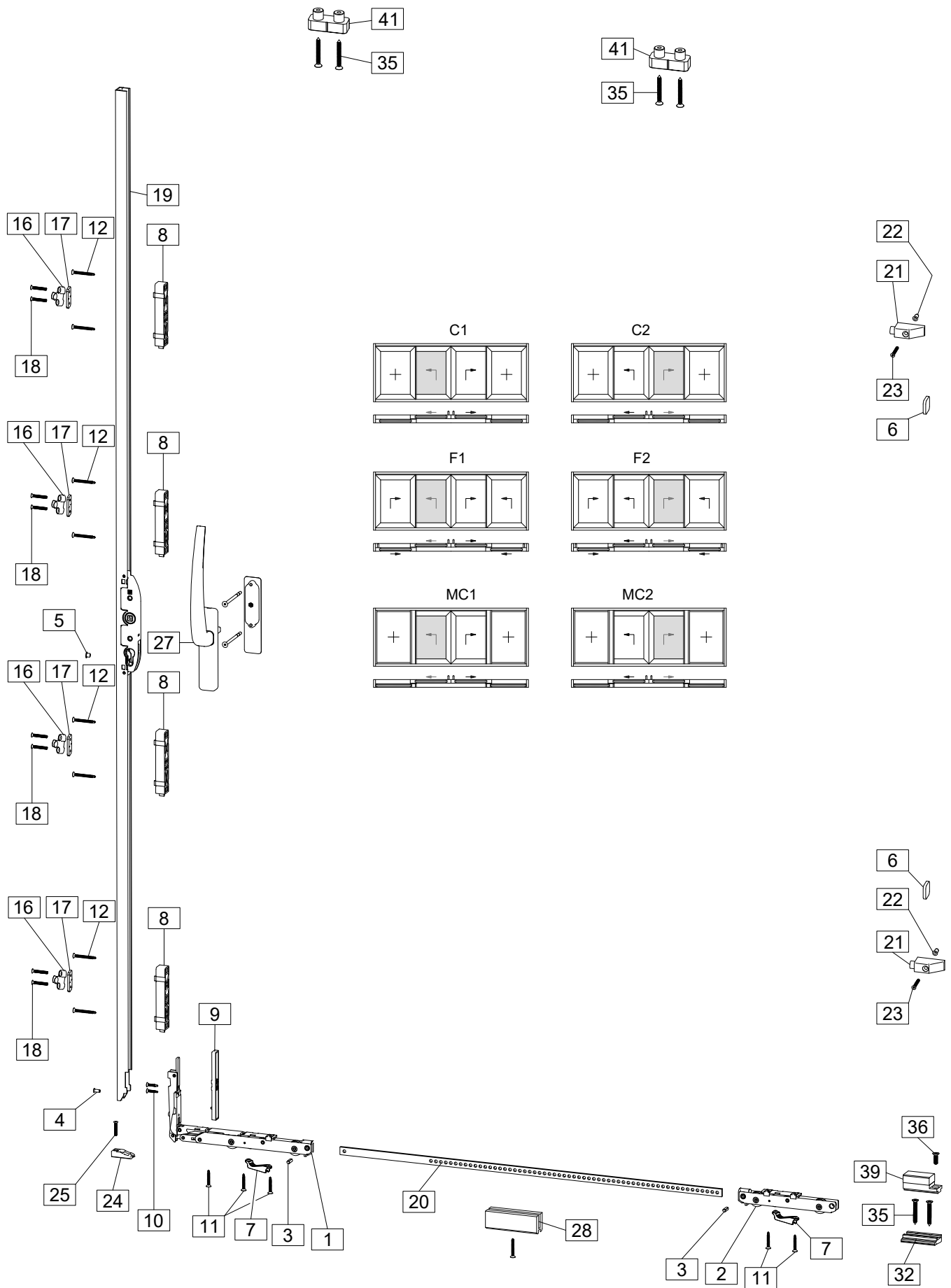
HEBE-SCHIEBE BESCHLAG FÜR B 813232 / B 813233 • BIS 250 KG
LIFTING-SLIDING FITTING FOR B 813232 / B 813233 • UP TO 250 KG



HEBE-SCHIEBE BESCHLAGSTÜCKLISTE FÜR B 813232 / B 813233 • BIS 250 KG
LIFTING-SLIDING FITTING PARTS LIST FOR B 813232 / B 813233 • UP TO 250 KG

Pos. Pos.	Stück Units	Bezeichnung	Designation	Art. Nr. Art. no.		
		Hebe-Schiebe Beschlag 250 kg	Lifting-sliding fitting 250 kg	Z 997735		
		Laufwagen Griffseite	Tandem roller, handle side	Z 923256		
1	1	Laufwagen Griffseite	Tandem roller	Z 923257		
2	1	Zylinderkerbstift Ø 6 x 16	Grooved pin Ø 6 x 16	Z 917738		
3	2	Schraube M5 x 12 Gew.-furchend	Self trapping screw M5 x 12	Z 917739		
4	1	Abdeckstopfen	Cap	Z 917740		
5	1	Flügelpuffer (Dichtung)	Sash buffer (gasket)	Z 917741		
6	2	Abstützteil Laufwagen	Tandem roller support	Z 923258		
7	2	Distanzstück Getriebe	Spacer gear	Z 917745		
8	4	Distanzstück Laufwagen	Spacer tandem roller	Z 917746		
9	1	Bohrschraube Ø 4,2 x 32 DIN 7504	Self drilling srew Ø 4,2 x 32 DIN 7504	Z 917595		
10	2	Bohrschraube Ø 4,8 x 32 DIN 7504	Self drilling srew Ø 4,8 x 32 DIN 7504	Z 917591		
11	5	Bohrschraube Ø 4,8 x 45 DIN 7504	Self drilling srew Ø 4,8 x 45 DIN 7504	Z 917590		
12	8	Bohrschraube Ø 4,8 x 45 DIN 7504	Self drilling srew Ø 4,8 x 45 DIN 7504	Z 917590		
		Riegelbolzen Set	Locking bolt set	Z 923152		
13	1	Riegelbolzen	Locking bolt	----		
15	2	Bohrschraube Ø 4,8 x 16 DIN 7504	Self drilling srew Ø 4,8 x 16 DIN 7504	Z 917592		
Optional Optional		Riegelbolzen Set (Spaltlüftung)	Locking bolt set (Partial ventilation)	Z 923153		
14	1	Riegelbolzen	Locking bolt	----		
15	2	Bohrschraube Ø 4,8 x 16 DIN 7504	Self drilling srew Ø 4,8 x 16 DIN 7504	Z 917592		
		Mittverriegelung	Central lock	Z 996974		
39	1	Führungsplatte	Steering plate	Z 996973		
32	1	Grundplatte	Base plate	Z 917263		
35	2	Schraube Ø 4,8 x 40 DIN 7982	Screw Ø 4,8 x 40 DIN 7982	Z 900884		
36	1	Schraube M5 x 10 DIN 965	Screw M5 x 10 DIN 965	Z 900456		
		Mittverriegelung Schema D + F	Central lock for scheme D + F	Z 997728		
39	1	Führungsplatte	Steering plate	Z 996973		
40	1	Grundplatte	Base plate	Z 923212		
35	2	Schraube Ø 4,8 x 40 DIN 7982	Screw Ø 4,8 x 40 DIN 7982	Z 900884		
36	1	Schraube M5 x 10 DIN 965	Screw M5 x 10 DIN 965	Z 900456		
Optional Optional		Schließstück für hohe Windlasten	Locking point for higher wind load	Z 997261		
35	2	Schraube Ø 4,8 x 40 DIN 7982	Screw Ø 4,8 x 40 DIN 7982	Z 900884		
41	1	Schließstück	Locking point	Z 997261		
		Getriebe (wahlweise)	Flügelhöhe (mm)	Gear (optional)	Sash height (mm)	----
19	1	Getriebe mit PZ Lochung	Gr. 210 (1801-2100)	Gear for profile cylinder	Size 210 (1801-2100)	Z 917501
			Gr. 240 (2101-2400)		Size 240 (2101-2400)	Z 917502
			Gr. 270 (2401-2700)		Size 270 (2401-2700)	Z 917503
		Getriebe mit RZ Lochung (Keine Lagerware!)	Gr. 210 (1801-2100)	Gear for round cylinder (No stock item!)	Size 210 (1801-2100)	Z 917512
			Gr. 240 (2101-2400)		Size 240 (2101-2400)	Z 917513
			Gr. 270 (2401-2700)		Size 270 (2401-2700)	Z 917514
		Verbindungsstange	Flügelbreite (mm)	Connection rod	Sash width (mm)	----
20	1	Verbindungsstange	Gr. 150 (650-1360)	Connection rod	Size 150 (650-1360)	Z 917508
			Gr. 200 (1361-1860)		Size 200 (1361-1860)	Z 917509
			Gr. 250 (1861-2360)		Size 250 (1861-2360)	Z 917510
			Gr. 323 (2361-3070)		Size 323 (2361-3070)	Z 917511
		Anschlagpuffer Set	Sash buffer set	Z 996281 02 / 64		
21	1	Anschlagpuffer	Sash buffer	Z 914986		
22	1	Einnietmutter M5	Rivet nut M5	Z 907962		
23	1	Senkschraube M5 x 35 DIN 965	Countersunk screw M5 x 35 DIN 965	Z 907288		
		Flügelführung	Flügelbreite > 1800 mm	Sash guide	Sash width > 1800 mm	----
28	1	Flügelführung	Sash guide	Z 917725		
		Griffauswahl	Handle selection	----		
27	1	Griff nach Wahl	Handle of your choice	----		

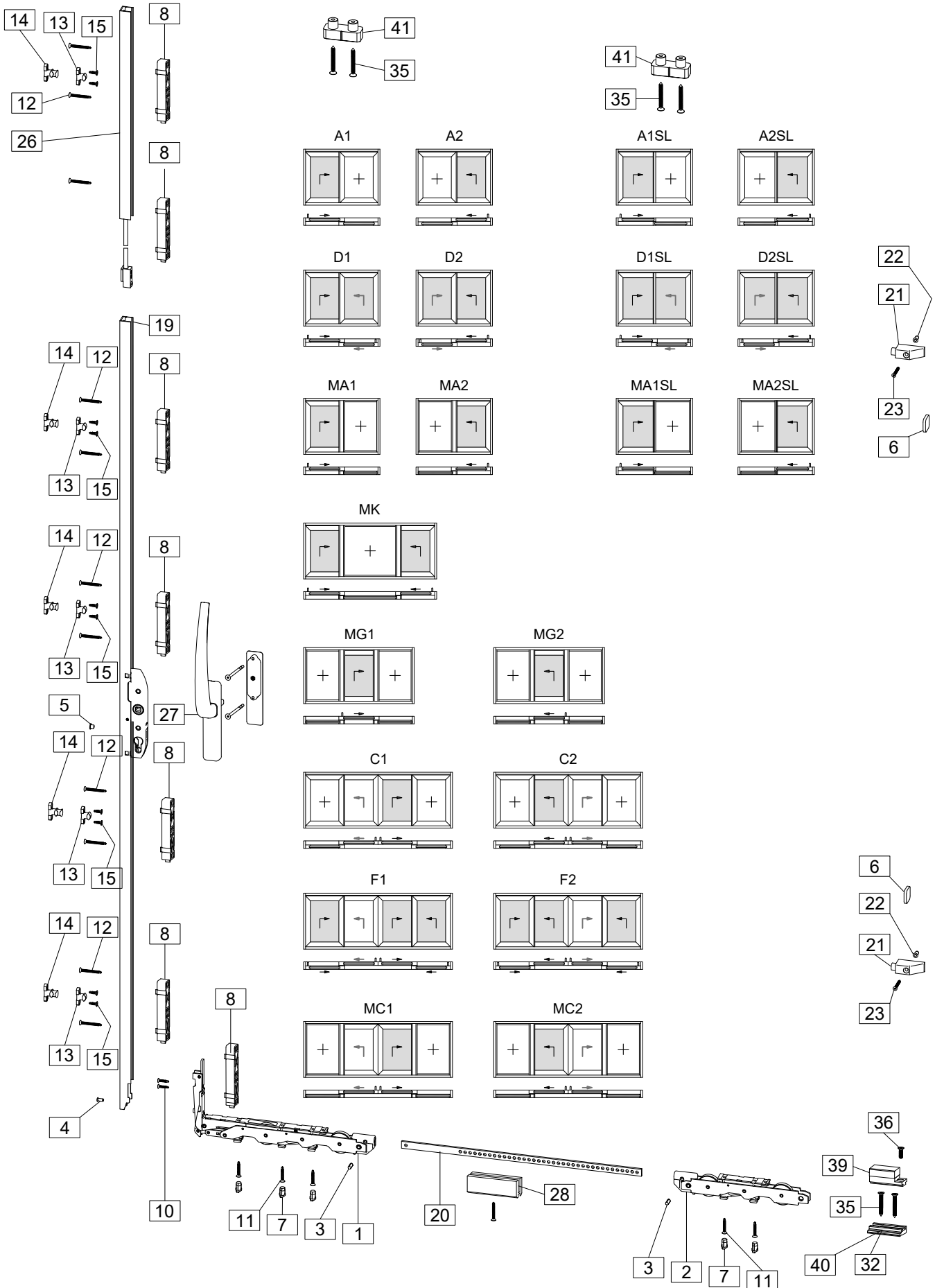
HEBE-SCHIEBE BESCHLAG FÜR B 813232 / B 813233 • BIS 250 KG
LIFTING-SLIDING FITTING FOR B 813232 / B 813233 • UP TO 250 KG



HEBE-SCHIEBE BESCHLAGSTÜCKLISTE FÜR B 813232 / B 813233 • BIS 250 KG
LIFTING-SLIDING FITTING PARTS LIST FOR B 813232 / B 813233 • UP TO 250 KG

Pos. Pos.	Stück Units	Bezeichnung	Designation	Art. Nr. Art. no.		
		Hebe-Schiebe Beschlag 250 kg	Lifting-sliding fitting 250 kg	Z 997735		
1	1	Laufwagen Griffseite	Tandem roller, handle side	Z 923256		
2	1	Laufwagen	Tandem roller	Z 923257		
3	2	Zylinderkerbstift Ø 6 x 16	Grooved pin Ø 6 x 16	Z 917738		
4	1	Schraube M5 x 12 Gew.-furchend	Self tapping screw M5 x 12	Z 917739		
5	1	Abdeckstopfen	Cap	Z 917740		
6	2	Flügelpuffer (Dichtung)	Sash buffer (gasket)	Z 917741		
7	2	Abstützteil Laufwagen	Tandem roller support	Z 923258		
8	4	Distanzstück Getriebe	Spacer gear	Z 917745		
9	1	Distanzstück Laufwagen	Spacer tandem roller	Z 917746		
10	2	Bohrschraube Ø 4,2 x 32 DIN 7504	Self drilling srew Ø 4,2 x 32 DIN 7504	Z 917595		
11	5	Bohrschraube Ø 4,8 x 32 DIN 7504	Self drilling srew Ø 4,8 x 32 DIN 7504	Z 917591		
12	8	Bohrschraube Ø 4,8 x 45 DIN 7504	Self drilling srew Ø 4,8 x 45 DIN 7504	Z 917590		
		Riegelbolzen Set	Locking bolt set	Z 996540		
16	1	Riegelbolzen	Locking bolt	-----		
17	1	Anschraubplatte	Fixing plate	Z 917748		
18	2	Senkschraube M5 x 30 DIN 965	Self drilling srew Ø 4,8 x 16 DIN 965	Z 917495		
29	2	Unterlage für Toleranzausgleich	Support for tolerance compensation	Z 923455		
		Mittengerriegelung	Central lock	Z 996974		
39	1	Führungsplatte	Steering plate	Z 996973		
32	1	Grundplatte	Base plate	Z 917263		
35	2	Schraube Ø 4,8 x 40 DIN 7982	Screw Ø 4,8 x 40 DIN 7982	Z 900884		
36	1	Schraube M5 x 10 DIN 965	Screw M5 x 10 DIN 965	Z 900456		
Optional		Schließstück für hohe Windlasten	Locking point for higher wind load	Z 997261		
35	2	Schraube Ø 4,8 x 40 DIN 7982	Screw Ø 4,8 x 40 DIN 7982	Z 900884		
41	1	Schließstück	Locking point	Z 997261		
		Getriebe (wahlweise)	Flügelhöhe (mm)	Gear (optional)	Sash height (mm)	-----
19	1	Getriebe mit PZ Lochung	Gr. 210 (1801-2100)	Gear for profile cylinder	Size 210 (1801-2100)	Z 917501
			Gr. 240 (2101-2400)		Size 240 (2101-2400)	Z 917502
			Gr. 270 (2401-2700)		Size 270 (2401-2700)	Z 917503
		Getriebe mit RZ Lochung (keine Lagerware!)	Gr. 210 (1801-2100)	Gear for round cylinder (No stock item!)	Size 210 (1801-2100)	Z 917512
			Gr. 240 (2101-2400)		Size 240 (2101-2400)	Z 917513
			Gr. 270 (2401-2700)		Size 270 (2401-2700)	Z 917514
		Verbindungsstange	Flügelbreite (mm)	Connection rod	Sash width (mm)	-----
20	1	Verbindungsstange	Gr. 150 (650-1360)	Connection rod	Size 150 (650-1360)	Z 917508
			Gr. 200 (1361-1860)		Size 200 (1361-1860)	Z 917509
			Gr. 250 (1861-2360)		Size 250 (1861-2360)	Z 917510
			Gr. 323 (2361-3070)		Size 323 (2361-3070)	Z 917511
		Anschlagpuffer Set	Sash buffer set	Z 996281	O2 / 64	
21	1	Anschlagpuffer	Sash buffer	Z 914986		
22	1	Einnietmutter M5	Rivet nut M5	Z 907962		
23	1	Senkschraube M5 x 35 DIN 965	Countersunk screw M5 x 35 DIN 965	Z 907288		
		Riegelbock Schema C	Bolt support scheme C	-----		
24	1	Riegelbock	Bolt support	Z 917519		
25	1	Senkschraube Ø 4,8 x 25 DIN 7982	Countersunk screw Ø 4,8 x 25 DIN 7982	Z 900957		
		Flügelführung	Flügelbreite > 1800 mm	Sash guide	Sash width > 1800 mm	-----
28	1	Guide d'ouvrant	Sash guide	Z 917725		
		Griffauswahl	Handle selection	-----		
27	1	Griff nach Wahl	Handle at option	-----		

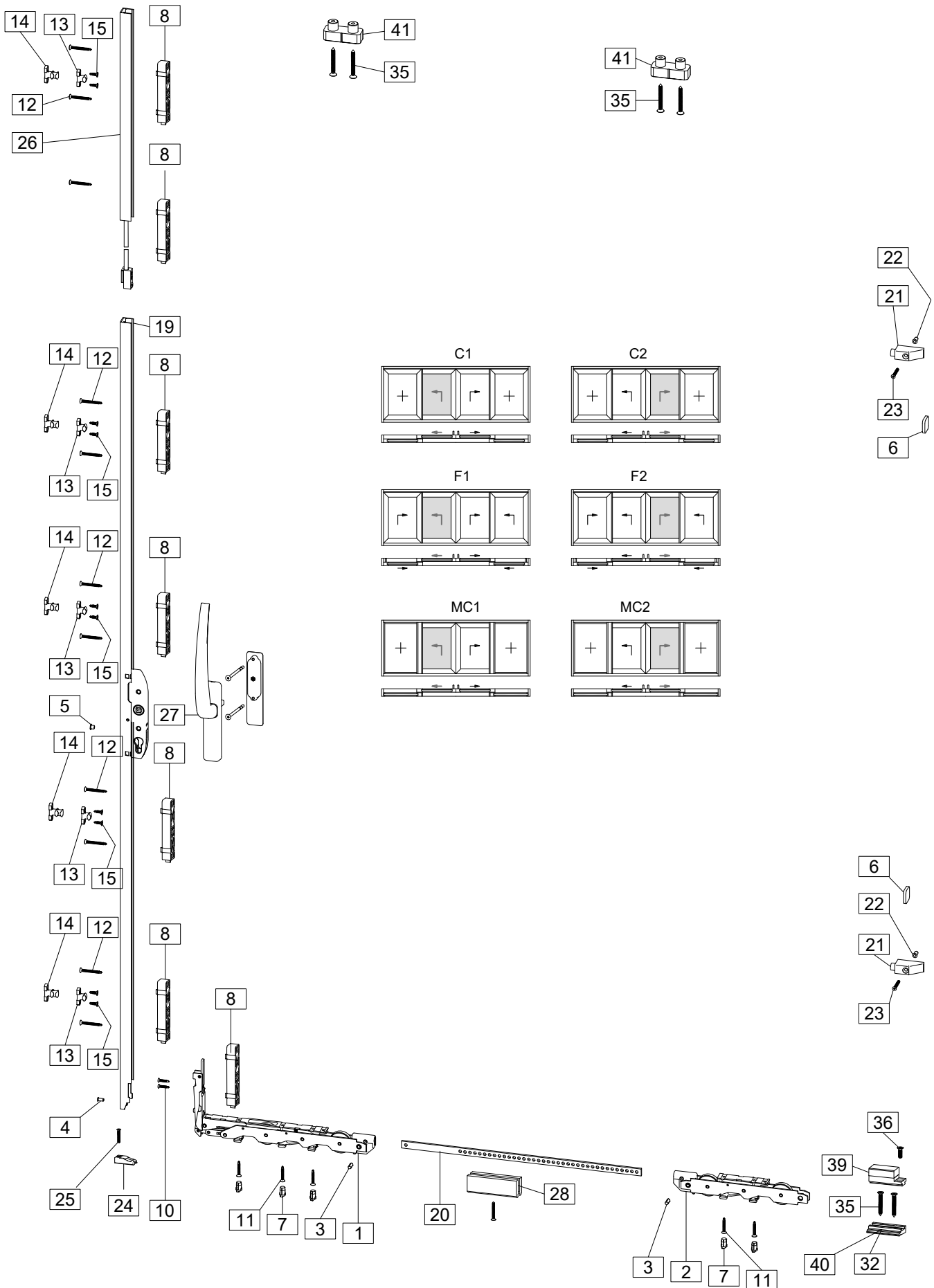
HEBE-SCHIEBE BESCHLAG FÜR B 813234 / B 813235 • BIS 330 KG
LIFTING-SLIDING FITTING FOR B 813234 / B 813235 • UP TO 330 KG



HEBE-SCHIEBE BESCHLAGSTÜCKLISTE FÜR B 813234 / B 813235 • BIS 330 KG
LIFTING-SLIDING FITTING PARTS LIST FOR B 813234 / B 813235 • UP TO 330 KG

Pos. Pos.	Stück Units	Bezeichnung	Designation	Art. Nr. Art. no.		
		Hebe-Schiebe Beschlag 330 kg	Lifting-sliding fitting 330 kg	Z 997708		
1	1	Laufwagen Griffseite	Tandem roller, handle side	Z 923136		
2	1	Laufwagen	Tandem roller	Z 923137		
3	2	Zylinderkerbstift Ø 6 x 16	Grooved pin Ø 6 x 16	Z 917738		
4	1	Schraube M5x12 Gew.-furchend	Self tapping screw M5 x 12	Z 917739		
5	1	Abdeckstopfen	Cap	Z 917740		
6	2	Flügelpuffer (Dichtung)	Sash buffer (gasket)	Z 917741		
7	5	Abstützteil Laufwagen	Tandem roller support	Z 917742		
8	4	Distanzstück Getriebe	Spacer gear	Z 917743		
9	1	Distanzstück Laufwagen	Spacer tandem roller	Z 917744		
10	2	Bohrschraube Ø 4,2 x 50 DIN 7504	Self drilling srew Ø 4,2 x 50 DIN 7504	Z 917613		
11	5	Bohrschraube Ø 4,8 x 32 DIN 7504	Self drilling srew Ø 4,8 x 32 DIN 7504	Z 917591		
12	8	Bohrschraube Ø 4,8 x 60 DIN 7504	Self drilling srew Ø 4,8 x 60 DIN 7504	Z 917589		
		Riegelbolzen Set	Locking bolt set	Z 923152		
13	1	Riegelbolzen	Locking bolt	----		
15	2	Bohrschraube Ø 4,8 x 16 DIN 7504	Self drilling srew Ø 4,8 x 16 DIN 7504	Z 917592		
Optional		Riegelbolzen Set (Spaltlüftung)	Locking bolt set (Partial ventilation)	Z 923153		
14	1	Riegelbolzen	Locking bolt	----		
15	2	Bohrschraube Ø 4,8 x 16 DIN 7504	Self drilling srew Ø 4,8 x 16 DIN 7504	Z 917592		
		Mittverriegelung	Central lock	Z 996974		
39	1	Führungsplatte	Steering plate	Z 996973		
32	1	Grundplatte	Base plate	Z 917263		
35	2	Schraube Ø 4,8 x 40 DIN 7982	Screw Ø 4,8 x 40 DIN 7982	Z 900884		
36	1	Schraube M5 x 10 DIN 965	Screw M5 x 10 DIN 965	Z 900456		
		Mittverriegelung Schema D+ F	Central lock for scheme D + F	Z 997728		
39	1	Führungsplatte	Steering plate	Z 996973		
40	1	Grundplatte	Base plate	Z 923212		
35	2	Schraube Ø 4,8 x 40 DIN 7982	Screw Ø 4,8 x 40 DIN 7982	Z 900884		
36	1	Schraube M5 x 10 DIN 965	Screw M5 x 10 DIN 965	Z 900456		
Optional		Schließstück für hohe Windlasten	Locking point for higher wind load	Z 997261		
35	2	Schraube Ø 4,8 x 40 DIN 7982	Screw Ø 4,8 x 40 DIN 7982	Z 900884		
41	1	Schließstück	Locking point	Z 997261		
		Getriebe (wahlweise)	Flügelhöhe (mm)	Gear (Optionnel)	Sash height (mm)	----
19	1	Getriebe mit PZ Lochung	Gr. 210 (1801-2100)	Gear for profile cylinder	Size 210 (1801-2100)	Z 917504
			Gr. 240 (2101-2400)		Size 240 (2101-2400)	Z 917505
			Gr. 270 (2401-2700)		Size 270 (2401-2700)	Z 917506
		Getriebe mit RZ Lochung (keine Lagerware!)	Gr. 210 (1801-2100)	Gear for round cylinder (No stock item!)	Size 210 (1801-2100)	Z 917515
			Gr. 240 (2101-2400)		Size 240 (2101-2400)	Z 917516
			Gr. 270 (2401-2700)		Size 270 (2401-2700)	Z 917517
		Verbindungsstange	Flügelbreite (mm)	Connection rod	Sash width (mm)	----
20	1	Verbindungsstange	Gr. 150 (720-1500)	Connection rod	Size 150 (720-1500)	Z 917508
			Gr. 200 (1501-2000)		Size 200 (1501-2000)	Z 917509
			Gr. 250 (2001-2500)		Size 250 (2001-2500)	Z 917510
			Gr. 323 (2501-3235)		Size 323 (2501-3235)	Z 917511
		Anschlagpuffer Set	Sash buffer set	Z 996281 02 / 64		
21	1	Anschlagpuffer	Sash buffer	Z 914986		
22	1	Einnietmutter M5	Rivet nut M5	Z 907962		
23	1	Senkschraube M5 x 35 Din 7982	Countersunk screw M5 x 35 DIN 7982	Z 907288		
		Getriebeverlängerung	Flügelhöhe > 2700 mm	Gear extension	Sash height > 2700 mm	Z 917520
26	1	Getriebeverlängerung		Gear extension		----
8	2	Distanzstück Getriebe		Spacer gear		Z 917743
12	3	Bohrschraube Ø 4,8 x 60 DIN 7504		Self drilling screw Ø 4,8 x 60 DIN 7504		Z 917589
		Flügelführung	Flügelbreite > 1800 mm	Sash guide	Sash width > 1800 mm	----
28	1	Flügelführung		Sash guide		Z 917726
		Griffauswahl	Handle selection	----		
27	1	Griff nach Wahl	Handle at option			----

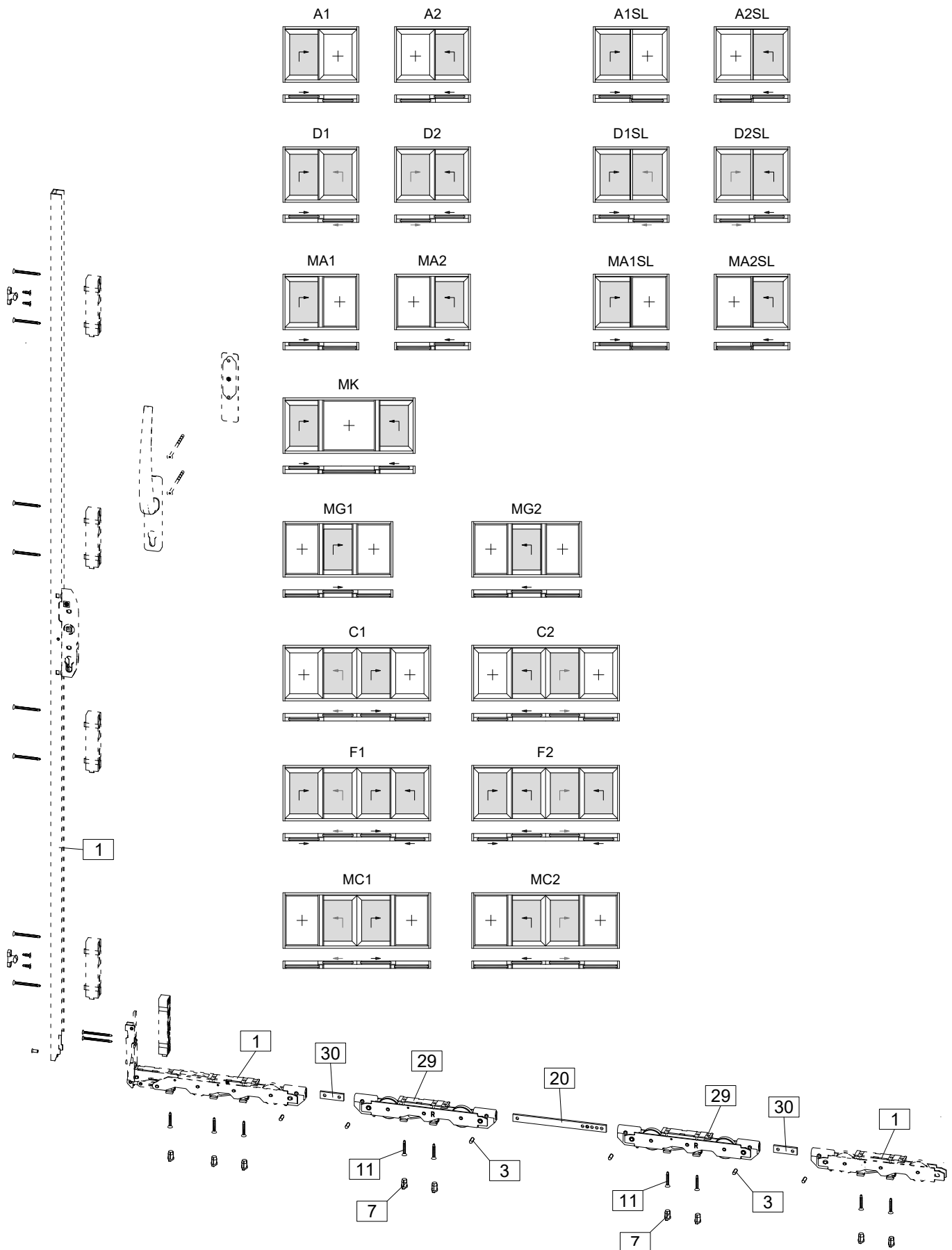
HEBE-SCHIEBE BESCHLAG FÜR B 813234 / B 813235 • BIS 330 KG
LIFTING-SLIDING FITTING FOR B 813234 / B 813235 • UP TO 330 KG



HEBE-SCHIEBE BESCHLAGSTÜCKLISTE FÜR B 813234 / B 813235 • BIS 330 KG
LIFTING-SLIDING FITTING PARTS LIST FOR B 813234 / B 813235 • UP TO 330 KG

Pos. Pos.	Stück Units	Bezeichnung	Designation	Art. Nr. Art. no.		
		Hebe-Schiebe Beschlag 330 kg	Lifting-sliding fitting 330 kg	Z 997708		
1	1	Laufwagen Griffseite	Tandem roller, handle side	Z 923136		
2	1	Laufwagen	Tandem roller	Z 923137		
3	2	Zylinderkerbstift Ø 6 x 16	Grooved pin Ø 6 x 16	Z 917738		
4	1	Schraube M5x12 Gew.-furchend	Self tapping screw M5 x 12	Z 917739		
5	1	Abdeckstopfen	Cap	Z 917740		
6	2	Flügelpuffer (Dichtung)	Sash buffer (gasket)	Z 917741		
7	5	Abstützteil Laufwagen	Tandem roller support	Z 917742		
8	4	Distanzstück Getriebe	Spacer gear	Z 917743		
9	1	Distanzstück Laufwagen	Spacer tandem roller	Z 917744		
10	2	Bohrschraube Ø 4,2 x 50 DIN 7504	Self drilling srew Ø 4,2 x 50 DIN 7504	Z 917613		
11	5	Bohrschraube Ø 4,8 x 32 DIN 7504	Self drilling srew Ø 4,8 x 32 DIN 7504	Z 917591		
12	8	Bohrschraube Ø 4,8 x 60 DIN 7504	Self drilling srew Ø 4,8 x 60 DIN 7504	Z 917589		
		Riegelbolzen Set	Locking bolt set	Z 996540		
16	1	Riegelbolzen	Locking bolt	-----		
17	1	Anschraubplatte	Fixing plate	Z 917748		
18	2	Senkschraube M5 x 30 DIN 965	Self drilling srew Ø 4,8 x 16 DIN 965	Z 917495		
29	2	Unterlage für Toleranzausgleich	Support for tolerance compensation	Z 923455		
		Mittverriegelung	Central lock	Z 996974		
39	1	Führungsplatte	Steering plate	Z 996973		
32	1	Grundplatte	Base plate	Z 917263		
35	2	Schraube Ø 4,8 x 40 DIN 7982	Screw Ø 4,8 x 40 DIN 7982	Z 900884		
36	1	Schraube M5 x 10 DIN 965	Screw M5 x 10 DIN 965	Z 900456		
		Mittverriegelung Schema D + F	Central lock for scheme D + F	Z 997728		
39	1	Führungsplatte	Steering plate	Z 996973		
40	1	Grundplatte	Base plate	Z 923212		
35	2	Schraube Ø 4,8 x 40 DIN 7982	Screw Ø 4,8 x 40 DIN 7982	Z 900884		
36	1	Schraube M5 x 10 DIN 965	Screw M5 x 10 DIN 965	Z 900456		
Optional	Optional	Schließstück für hohe Windlasten	Locking point for higher wind load	Z 997261		
35	2	Schraube Ø 4,8 x 40 DIN 7982	Screw Ø 4,8 x 40 DIN 7982	Z 900884		
41	1	Schließstück	Locking point	Z 997261		
		Getriebe (wahlweise)	Flügelhöhe (mm)	Gear (Optionnel)	Sash height (mm)	-----
19	1	Getriebe mit PZ Lochung	Gr. 210 (1801-2100)	Gear for profile cylinder	Size 210 (1801-2100)	Z 917504
			Gr. 240 (2101-2400)		Size 240 (2101-2400)	Z 917505
			Gr. 270 (2401-2700)		Size 270 (2401-2700)	Z 917506
		Getriebe mit RZ Lochung (keine Lagerware!)	Gr. 210 (1801-2100)	Gear for round cylinder (No stock item!)	Size 210 (1801-2100)	Z 917515
			Gr. 240 (2101-2400)		Size 240 (2101-2400)	Z 917516
			Gr. 270 (2401-2700)		Size 270 (2401-2700)	Z 917517
		Verbindungsstange	Flügelbreite (mm)	Connection rod	Sash width (mm)	-----
20	1	Verbindungsstange	Gr. 150 (720-1500)	Connection rod	Size 150 (720-1500)	Z 917508
			Gr. 200 (1501-2000)		Size 200 (1501-2000)	Z 917509
			Gr. 250 (2001-2500)		Size 250 (2001-2500)	Z 917510
			Gr. 323 (2501-3235)		Size 323 (2501-3235)	Z 917511
		Anschlagpuffer Set	Sash buffer set	Z 996281	02 / 64	
21	1	Anschlagpuffer	Sash buffer	Z 914986		
22	1	Einnietmutter M5	Blind rivet nut M5	Z 907962		
23	1	Senkschraube M5 x 35 DIN 965	Countersunk screw M5 x 35 DIN 965	Z 908288		
		Riegelbock Schema C	Bolt support schema C	-----		
24	1	Riegelbock	Bolt support	Z917519		
25	1	Senkschraube Ø 4,8 x 25 DIN 7982	Countersunk screw Ø 4,8 x 25 DIN 7982	Z900957		
		Getriebeverlängerung	Flügelhöhe > 2700 mm	Gear extension	Sash height > 2700 mm	Z 917520
26	1	Getriebeverlängerung	Gear extension	-----		
8	2	Distanzstück Getriebe	Spacer gear	Z 917743		
12	3	Bohrschraube Ø 4,8 x 60 DIN 7504	Self drilling screw Ø 4,8 x 60 DIN 7504	Z 917589		
		Flügelführung	Flügelbreite > 1800 mm	Sash guide	Sash width > 1800 mm	-----
28	1	Flügelführung	Sash guide	Z 917726		
		Griffauswahl	Handle selection	-----		
27	1	Griff nach Wahl	Handle at option	-----		

HEBE-SCHIEBE BESCHLAG FÜR B 813234 / B 813235 • BIS 440 KG
LIFTING-SLIDING FITTING FOR B 813234 / B 813235 • UP TO 440 KG

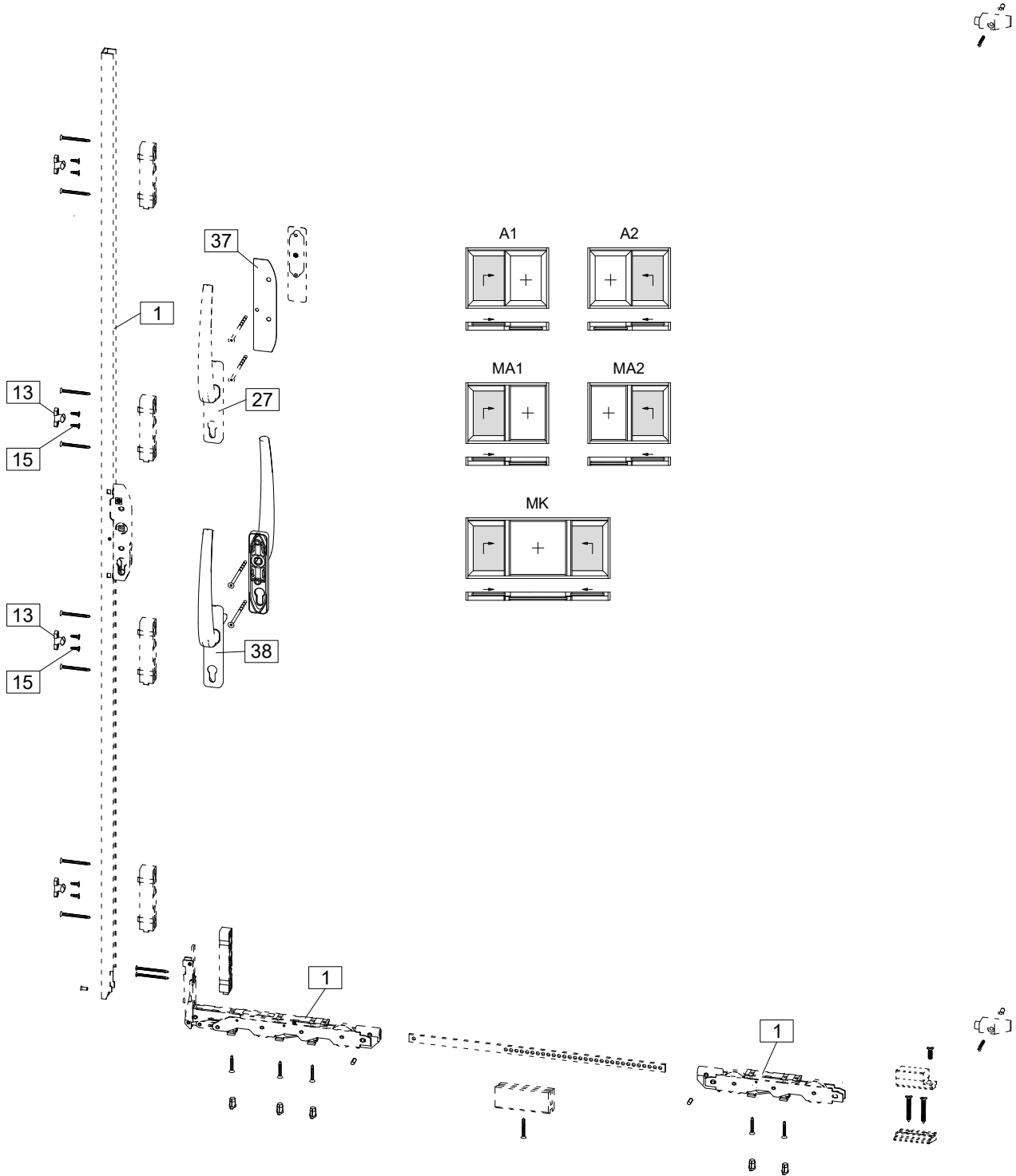


HEBE-SCHIEBE BESCHLAGSTÜCKLISTE FÜR B 813234 / B 813235 • BIS 440 KG
 LIFTING-SLIDING FITTING PARTS LIST FOR B 813234 / B 813235 • UP TO 440 KG

Pos. Pos.	Stück Units	Bezeichnung	Designation	Art. Nr. Art. no.	
----	1	Hebe-Schiebe Beschlagkomponenten bis 330 kg	Lifting-sliding fitting components up to 330 kg	----	
		Beschlagzubehör 440 kg	Fitting accessories 440kg	Z 997709	
29	2	Laufwagen	Tandem roller	Z 923138	
30	2	Verbindungsstange	Connection rod	Z 917942	
3	4	Zylinderkerbstift Ø 6 x 16	Grooved pin Ø 6 x 16	Z 917738	
7	4	Abstützteil Laufwagen	Tandem roller support	Z 917742	
11	4	Bohrschraube Ø 4,8 x 32 DIN 7504	Self drilling srew Ø 4,8 x 32 DIN 7504	Z 917591	
		Verbindungsstange	Flügelbreite (mm)	Connection rod	
				Sash width (mm)	

20	1	Verbindungsstange	Gr. 150 (1310-1990)	Size 150 (1310-1990)	Z 917508
			Gr. 200 (1991-2490)	Size 200 (1991-2490)	Z 917509
			Gr. 250 (2491-2990)	Size 250 (2491-2990)	Z 917510
			Gr. 323 (2991-3235)	Size 323 (2991-3235)	Z 917511

HEBE-SCHIEBE BESCHLAG FÜR B 813234 / B 813235 • BIS 330 KG / 440 KG • RC 2
LIFTING-SLIDING FITTING FOR B 813234 / B 813235 • UP TO 330 KG / 440 KG • RC 2



HEBE-SCHIEBE BESCHLAGSTÜCKLISTE FÜR B 813234 / B 813235 • BIS 330 KG / 440 KG • RC 2
 LIFTING-SLIDING FITTING PARTS LIST FOR B 813234 / B 813235 UP TO 330 KG / 440 KG • RC 2

Pos. Pos.	Stück Units	Bezeichnung	Designation	Art. Nr. Art. no.
----	1	Hebe-Schiebe Beschlagkomponenten bis 330 kg / 440 kg	Lifting-sliding fitting components up to 330 kg / 440 kg	----

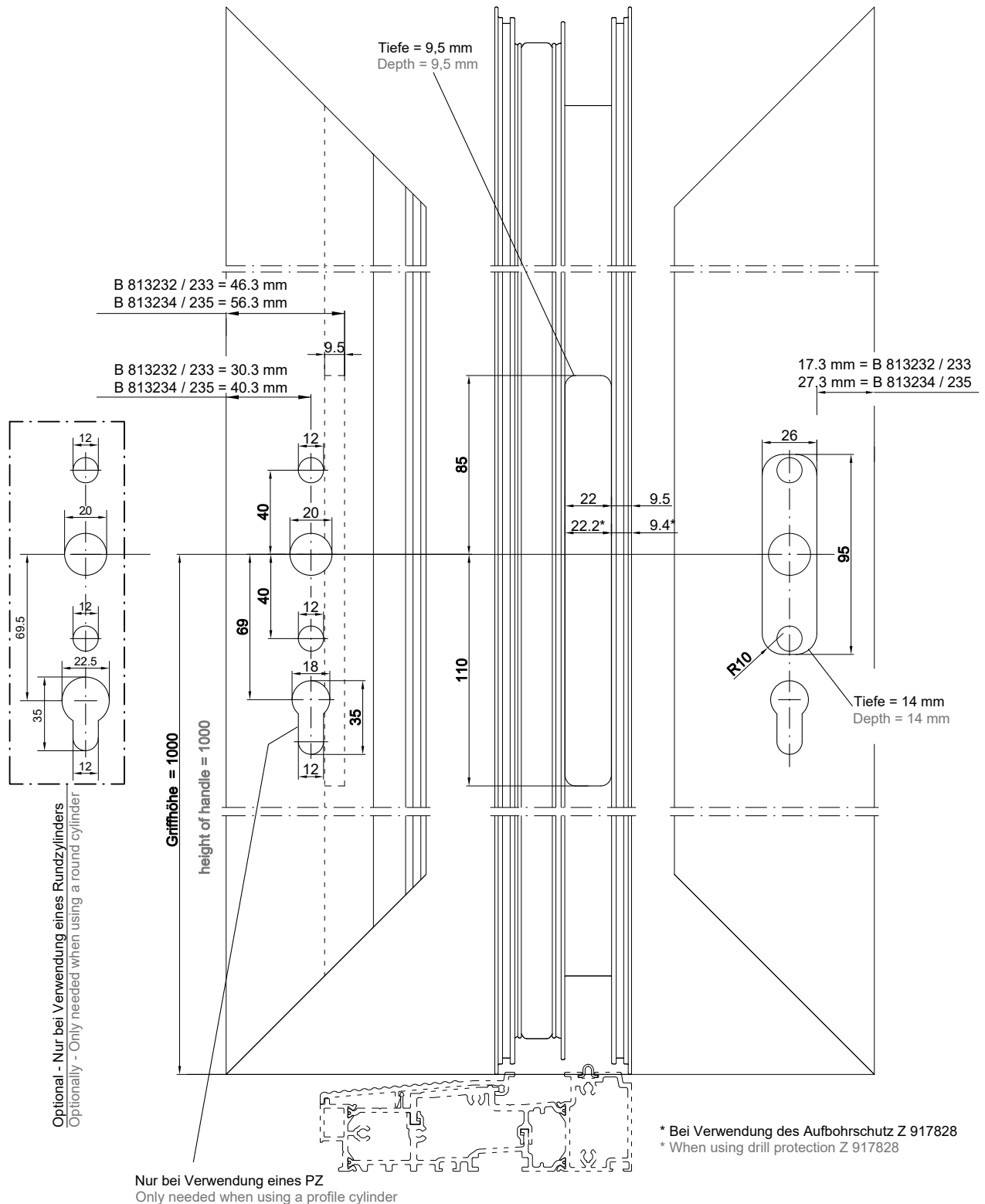
		Riegelbolzen Set	Locking bolt set	Z 923152
13	1	Riegelbolzen	Locking bolt	----
15	2	Bohrschraube Ø 4,8 x 16 DIN 7504	Self drilling srew Ø 4,8 x 16 DIN 7504	Z 917592

		Griffauswahl	Handle selection	----
27	1	Griff innen nach Wahl	Handle at option	----
37	1	Aufbohrschutz Getriebe	Anti drilling plate gear	Z 917828
		oder	or	
38	1	Griff innen und außen	Handle inside and outside	Z 917075 02 / 64

FLÜGELBEARBEITUNG FÜR GETRIEBE, GRIFF, GRIFFMUSCHEL UND PROFILZYLINDER
SASH PROCESSING FOR GEAR, HANDLE, HANDLE RECESS AND PROFILE CYLINDER

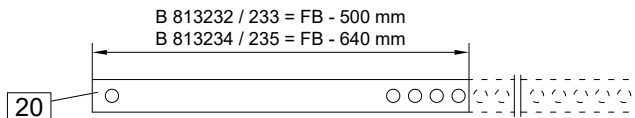
1. Bearbeitung für Getriebe, Griff, Griffmuschel und Profilzylinder
Processing for gear, handle, handle recess and profile cylinder

Fräsung bei Griffmuschel (außen)
Mill handle recess (outside)

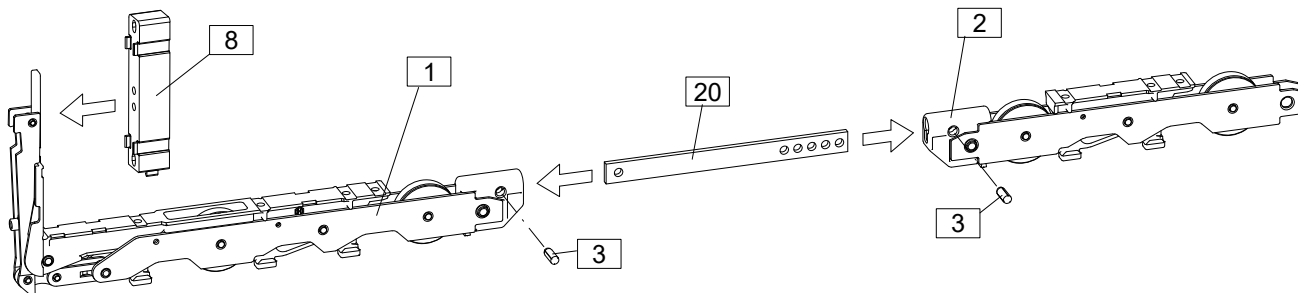


FLÜGELBEARBEITUNG FÜR LAUFWAGEN
SASH PROCESSING FOR ROLLER

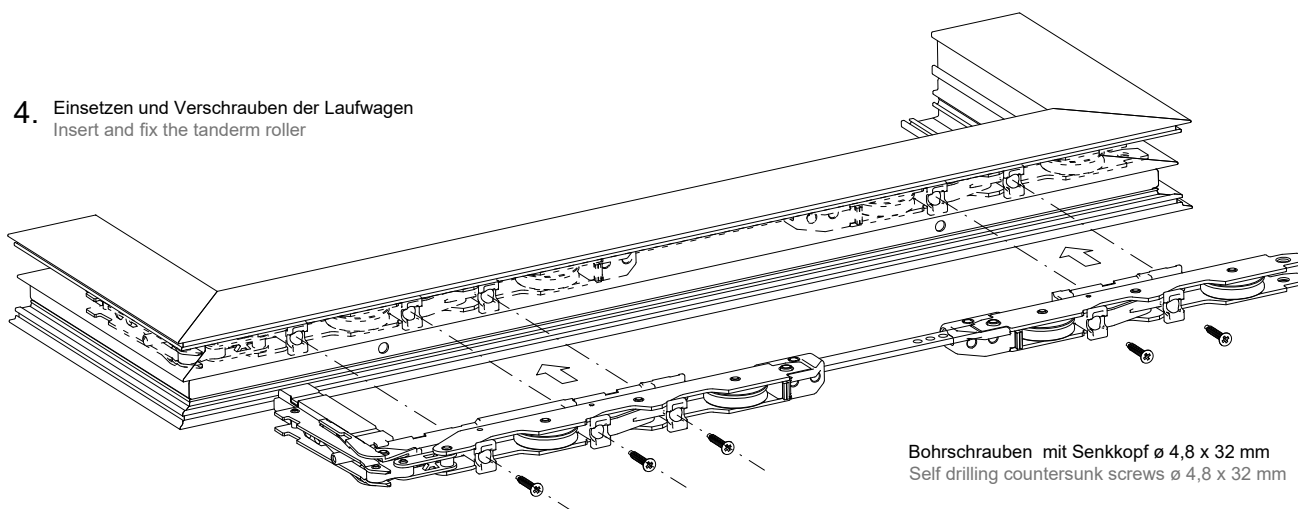
2. Ablängen der Verbindungsstange
Cutting the connecting rod to length



3. Verbinden der Laufwagen
Connect the tandem roller



4. Einsetzen und Verschrauben der Laufwagen
Insert and fix the tandem roller



Bohrschrauben mit Senkkopf \varnothing 4,8 x 32 mm
Self drilling countersunk screws \varnothing 4,8 x 32 mm

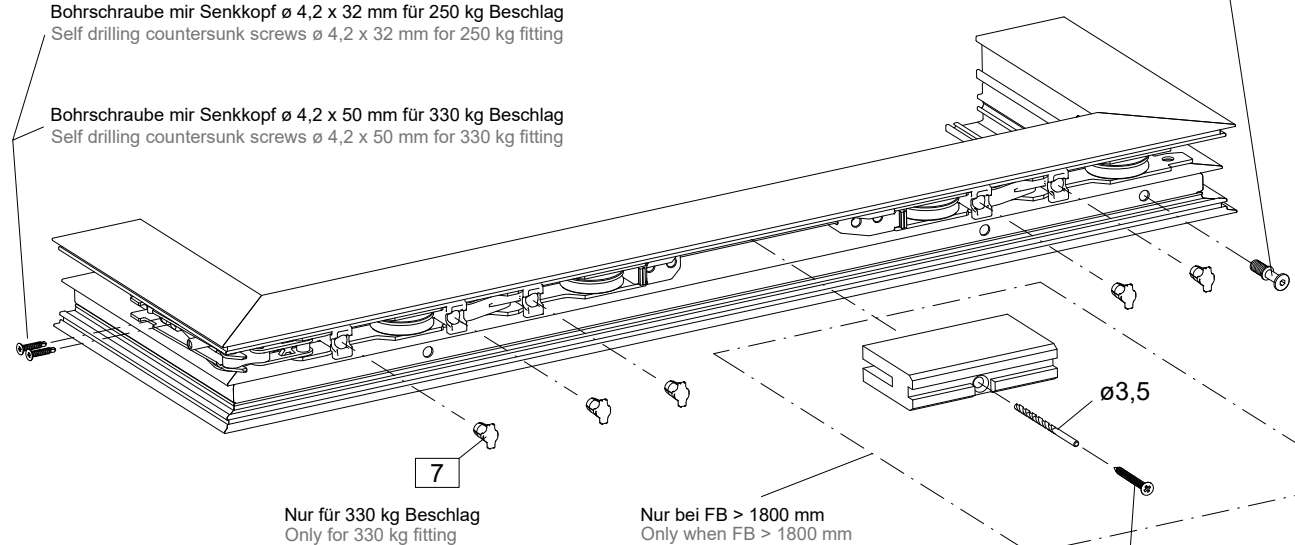
5. Verschrauben der Laufwageneinheit und Einsetzen der Abstützteile
Fix the tandem roller and insert the stabilizers

Nur PAS-24
Only with PAS-24

B 813234 / B 813235 - Z 917264

Bohrschraube mit Senkkopf \varnothing 4,2 x 32 mm für 250 kg Beschlag
Self drilling countersunk screws \varnothing 4,2 x 32 mm for 250 kg fitting

Bohrschraube mit Senkkopf \varnothing 4,2 x 50 mm für 330 kg Beschlag
Self drilling countersunk screws \varnothing 4,2 x 50 mm for 330 kg fitting



Nur für 330 kg Beschlag
Only for 330 kg fitting

Nur bei FB > 1800 mm
Only when FB > 1800 mm

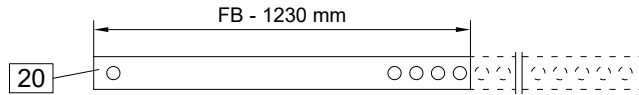
B 813232 / B 813233 - Z 917725
(B 813234 / B 813235) - Z 917726

Senkblechschraube \varnothing 4,2 x 40 mm
Countersunk screw \varnothing 4,2 x 40 mm

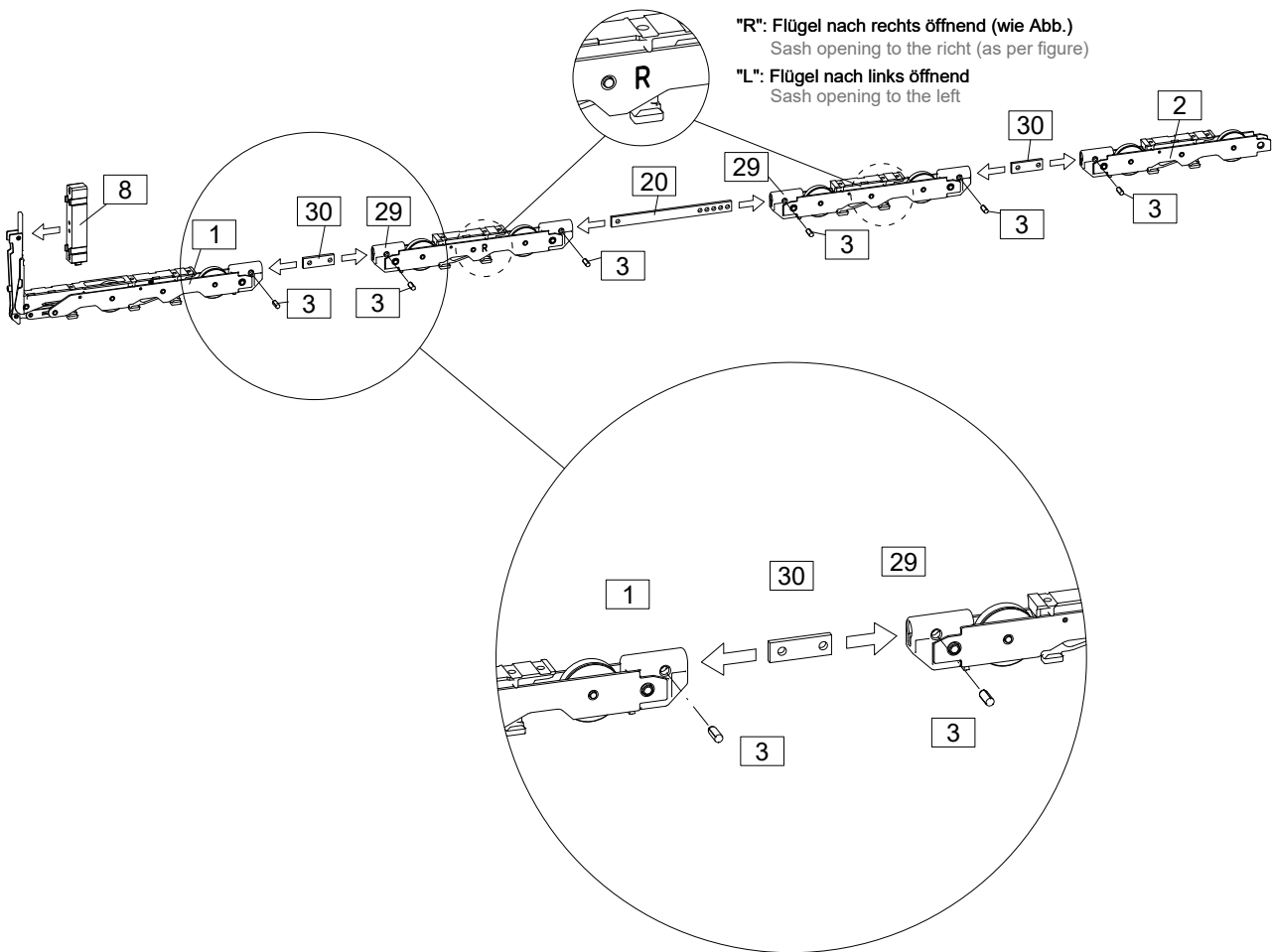
BESCHLAGEINBAU BIS 440 KG
 FITTING INSTALLATION UP TO 440 KG

1. **Bearbeitung für Getriebe, Griff, Griffmuschel und Profilzylinder gemäß Zeichnung 5A-1**
 Processing for gear, handle, handle recess and profile cylinder according to drawing 5A-1

- 2a. **Ablängen der Verbindungsstange**
 Cutting the connecting rod to length

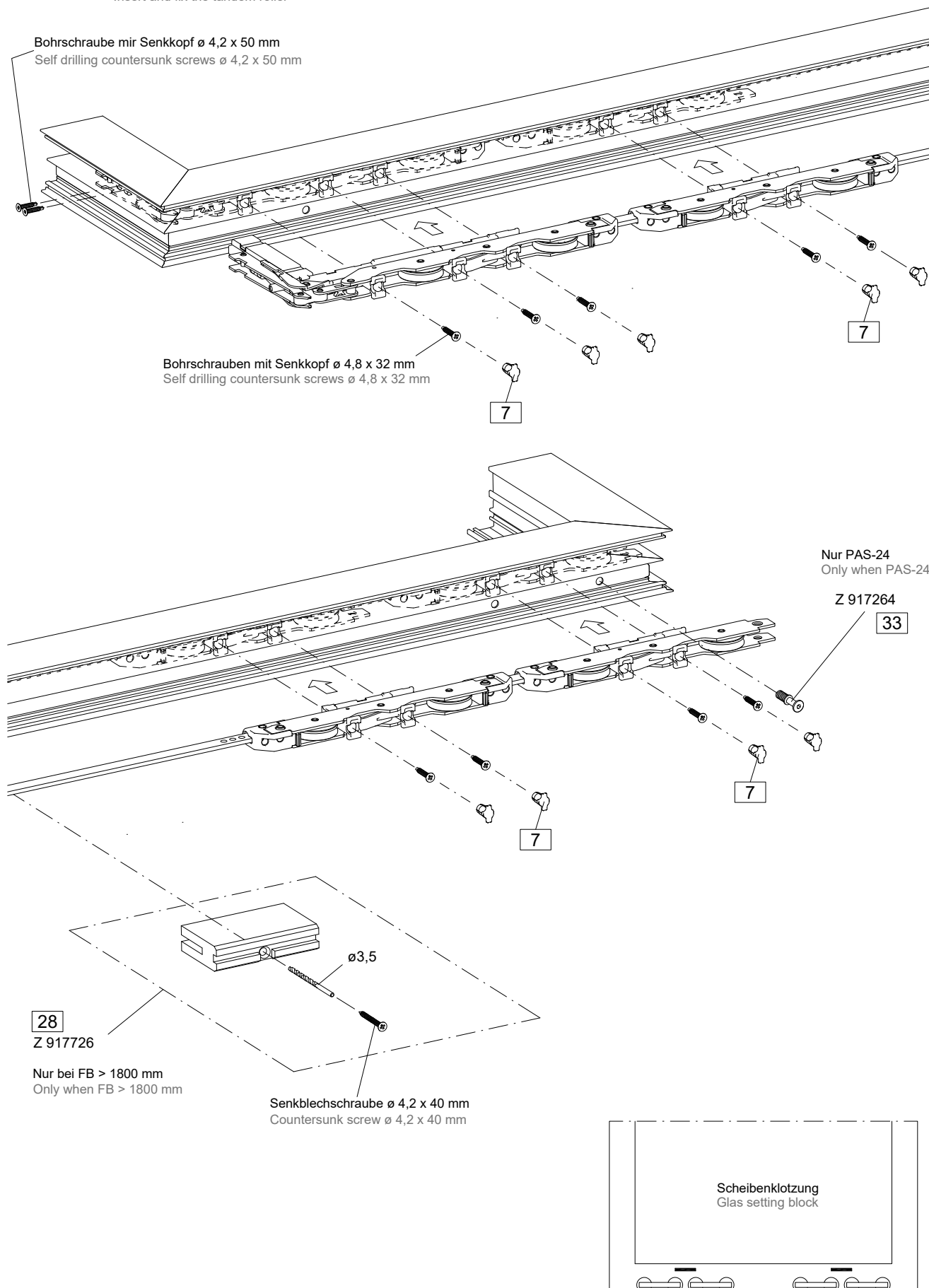


- 3a. **Verbinden der Tandemlaufwagen**
 Connecting the tandem roller



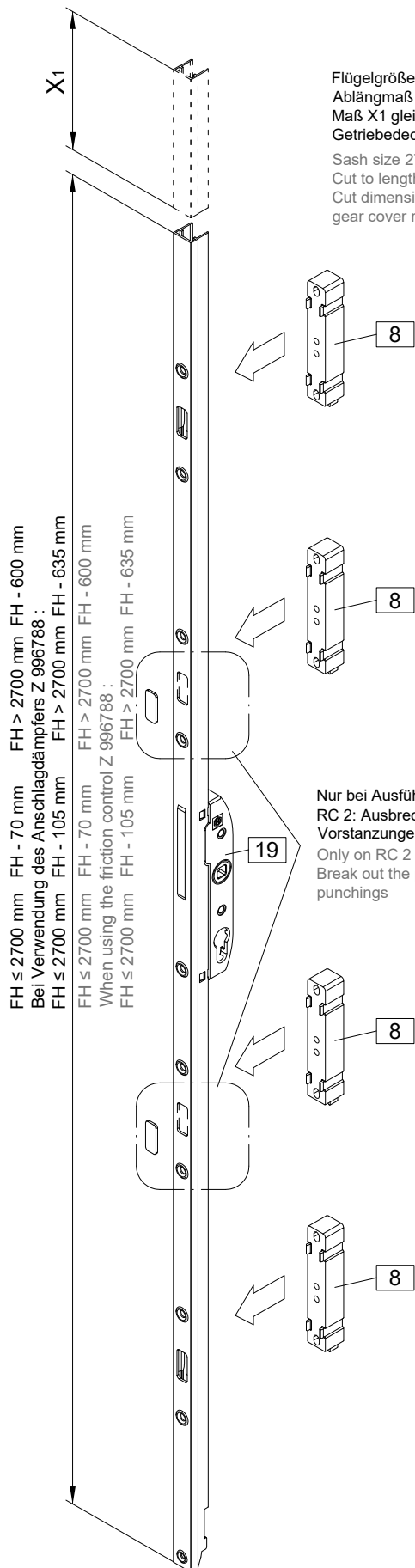
BESCHLAGEINBAU BIS 440 KG
FITTING INSTALLATION UP TO 440 KG

4a + 5a. Einsetzen und Verschrauben der Laufwagen
Insert and fix the tandem roller

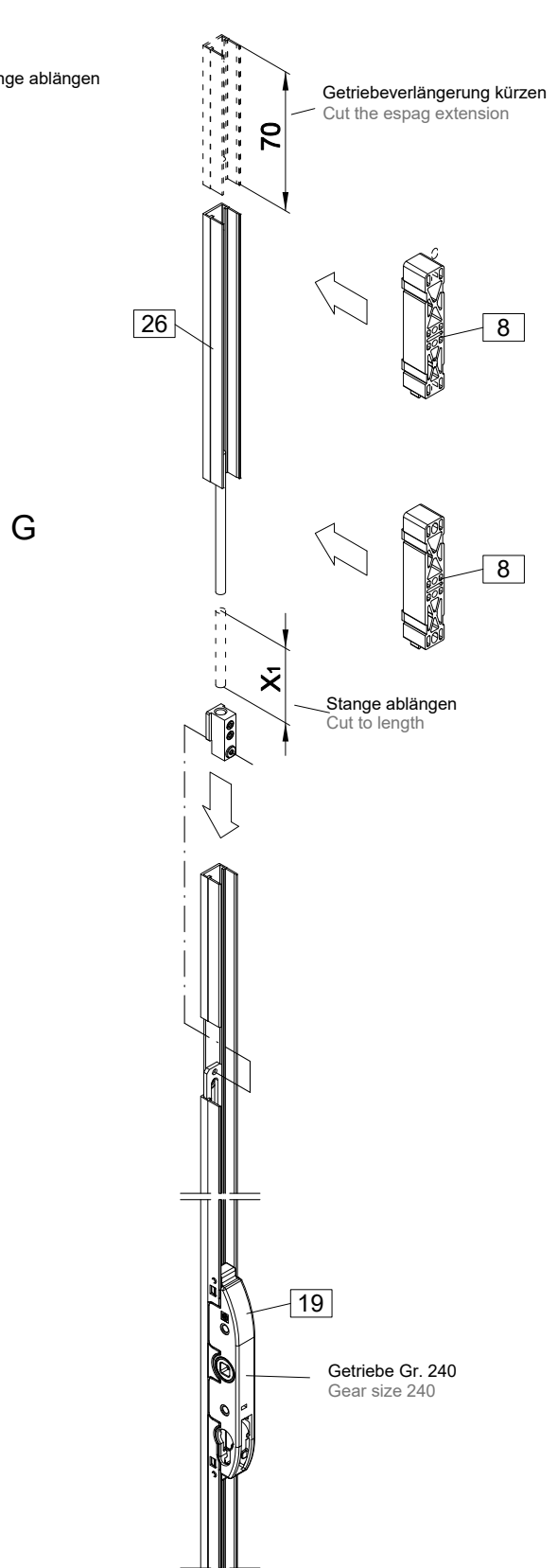


GETRIEBEEINBAU
GEAR INSTALLATION

6. Ablängen des Getriebestulpes
Cut to length the gear profile

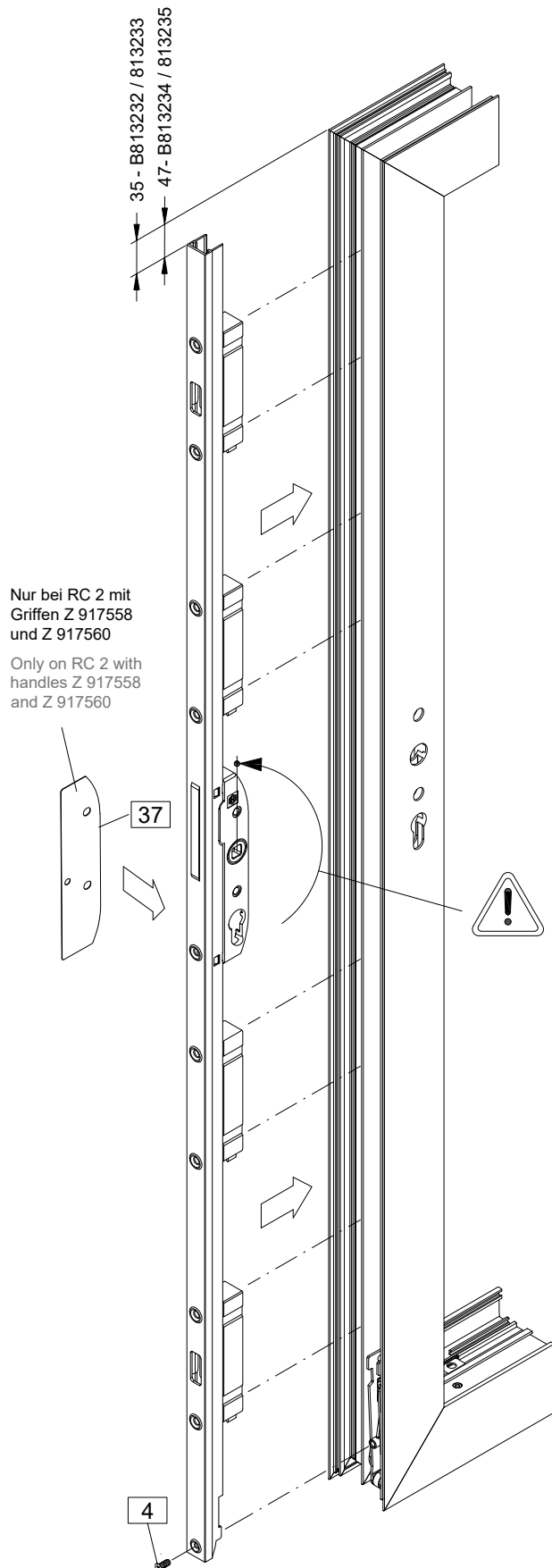


7. Einbau der Getriebeverlängerung
bei FH > 2700 mm
Install the espag extension
if sash height > 2700 mm

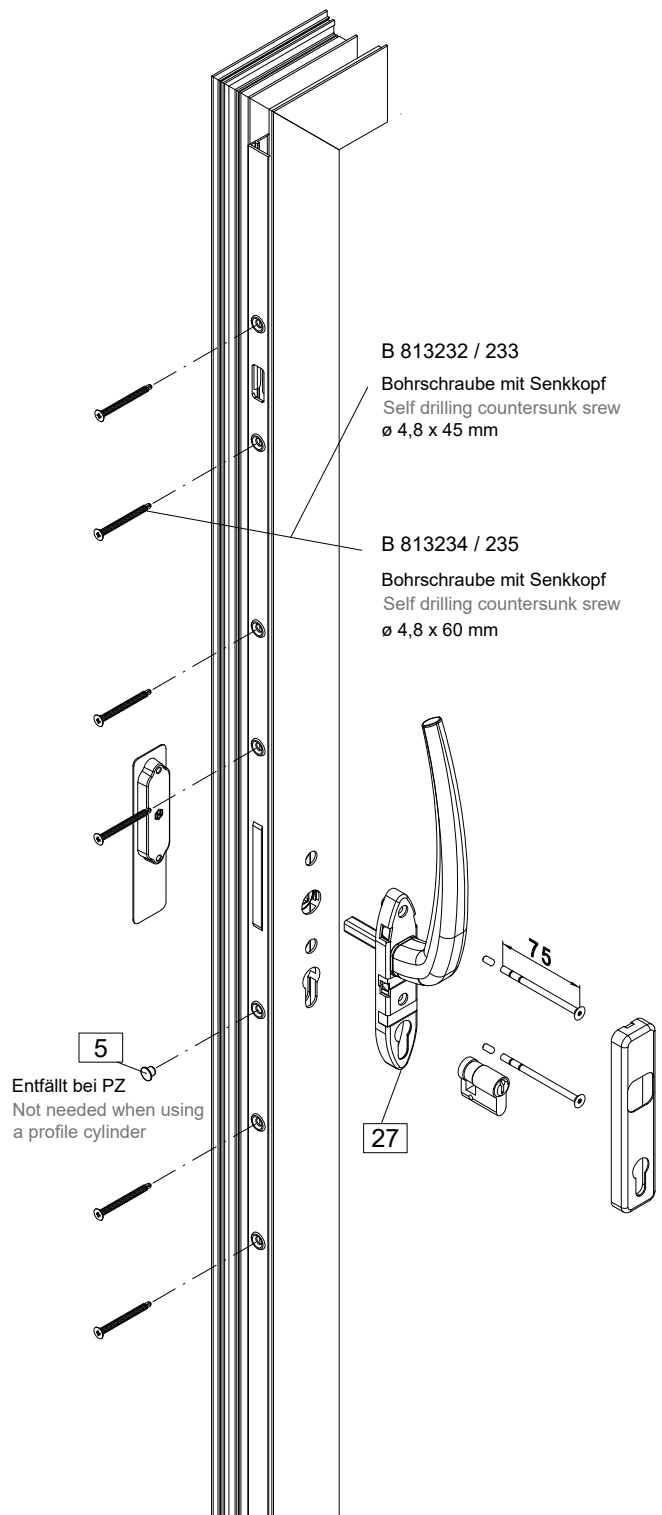


GETRIEBEEINBAU
GEAR INSTALLATION

8. Einsetzen der Getriebschiene
Insert the gear profile



9. Verschrauben der Getriebschiene
Screw the gear profile



GETRIEBEEINBAU SEKUNDÄRER FLÜGEL
 GEAR INSTALLATION SECONDARY SASH

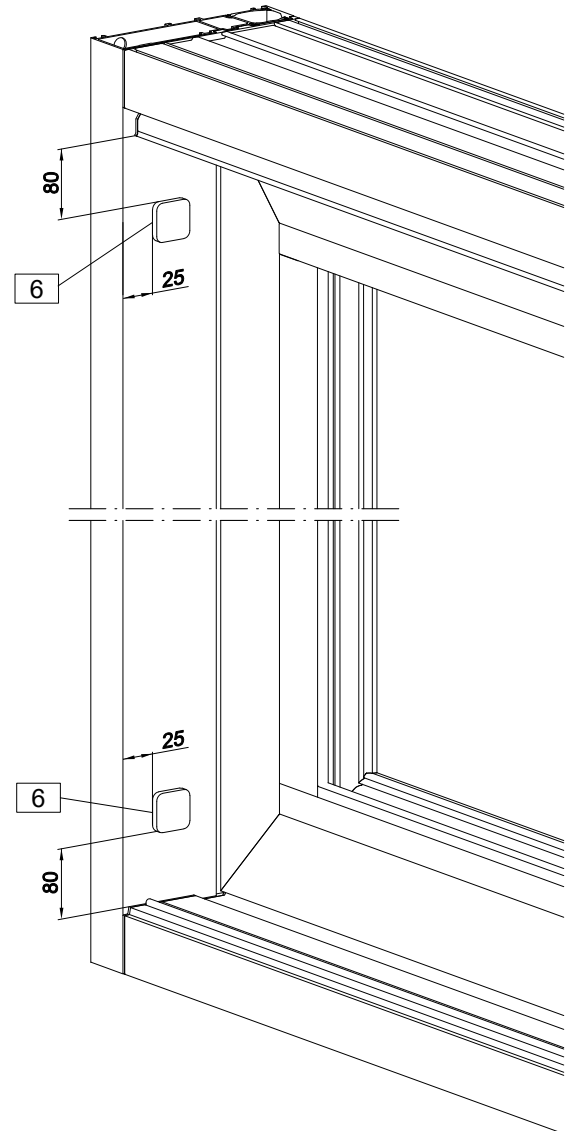
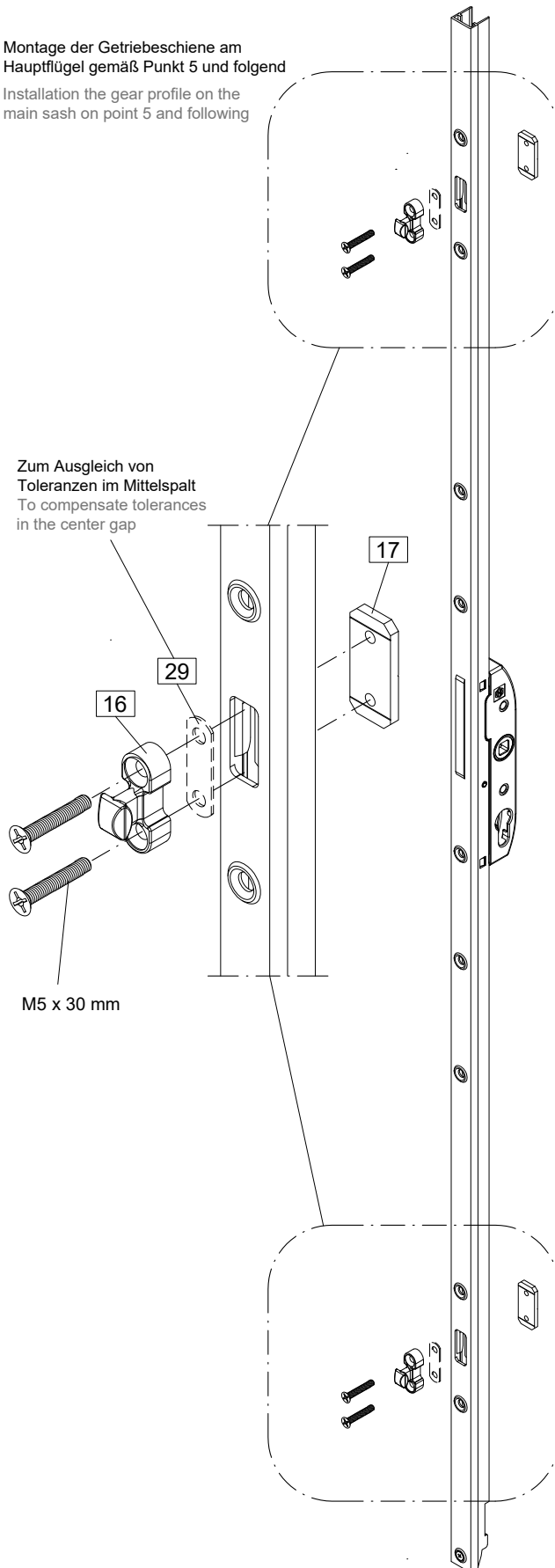
10. Montage der Getriebeschiene Schema C, MC und F Sekundärer Flügel
 Assemble the gear profile scheme C, MC and F Secondary sash

11. Flügelanschlag ankleben
 Glue the sash limit stop

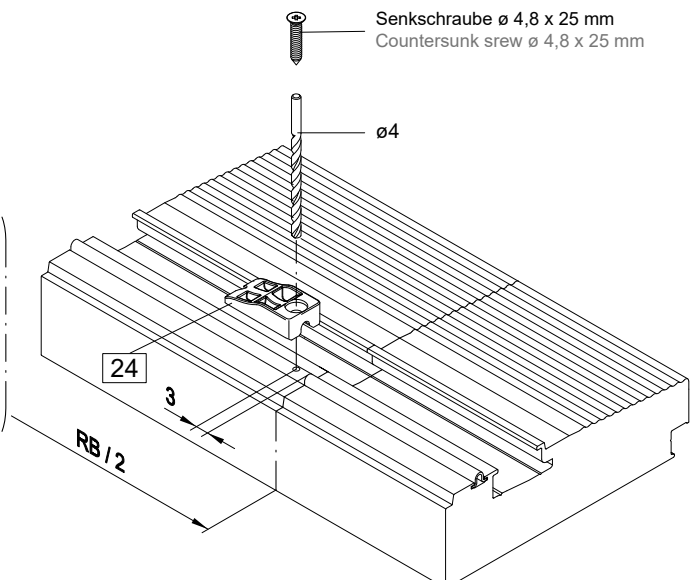
Montage der Getriebeschiene am Hauptflügel gemäß Punkt 5 und folgend
 Installation the gear profile on the main sash on point 5 and following

Installation the gear profile on the main sash on point 5 and following

Zum Ausgleich von Toleranzen im Mittelspalt
 To compensate tolerances in the center gap



Montage Riegelbock Schema C
 Installing bottom locking scheme C

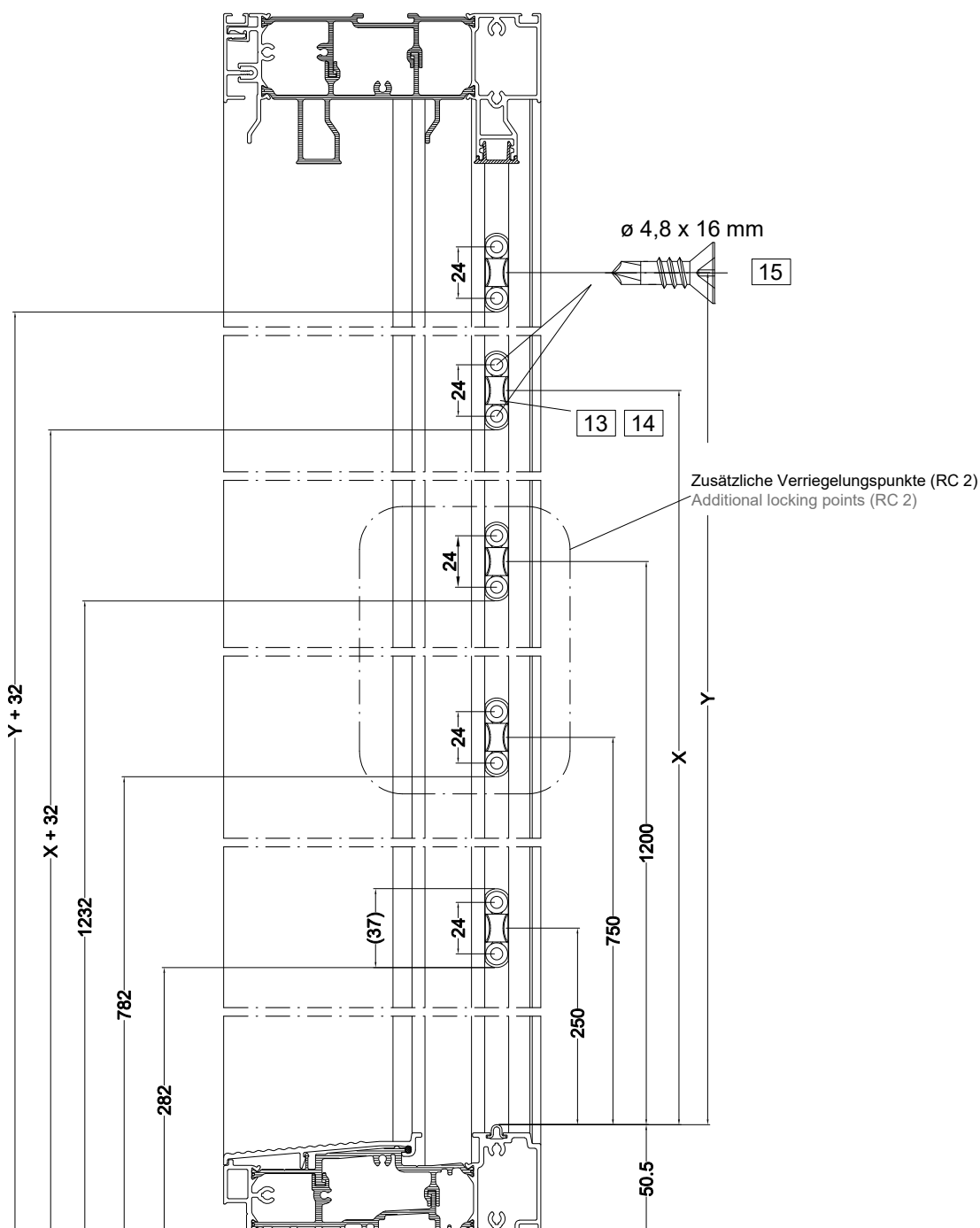


RIEGELBOLZENEINBAU
LOCKING BOLT INSTALLATION

12. Montieren der Riegelbolzen
Assembly of locking bolts

Größe Size	Zylinder Cylinder	250 kg Art. Nr. Art. No.	330 kg Art. Nr. Art. No.	Maß X Dimension X	Maß Y Dimension Y
1800 - 2100	PZ RZ	Z 917501 Z 917512	Z 917504 Z 917515	1600 mm	
2101 - 2400	PZ RZ	Z 917502 Z 917513	Z 917505 Z 917516	1900 mm	
2401 - 2700	PZ RZ	Z 917503 Z 917514	Z 917506 Z 917517	2200 mm	
2701 - 3000	PZ RZ	Z 917505 + Z 917520 Z 917516 + Z 917520		1900 mm	1900 mm + 890 - X1

Flügelgröße 2701 - 3000 mm: X1 = 3048 - FH
Sash size 2701 - 3000 mm: X1 = 3048 - FH



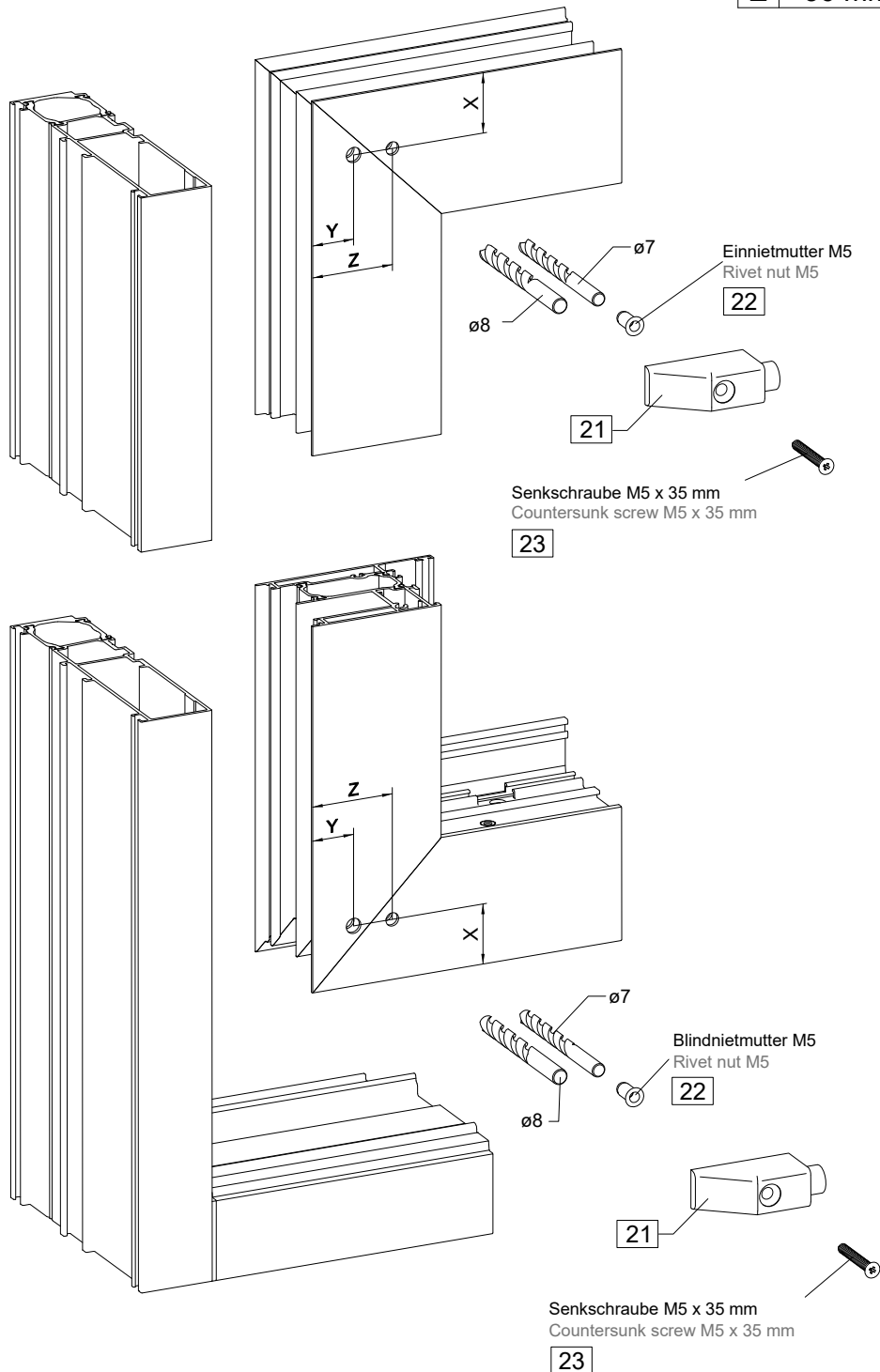
EINBAU ANSCHLAGPUFFER
INSTALLATION OF STOP BUFFER

Optional: Montieren der Anschlagpuffer Z 996281
(Standflügel oder 2. Gangflügel Innenseite)

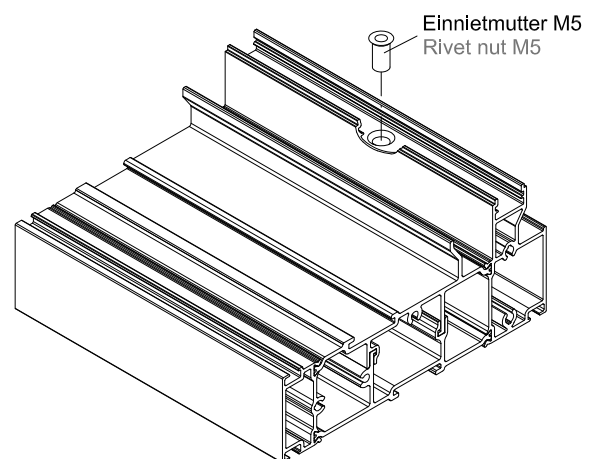
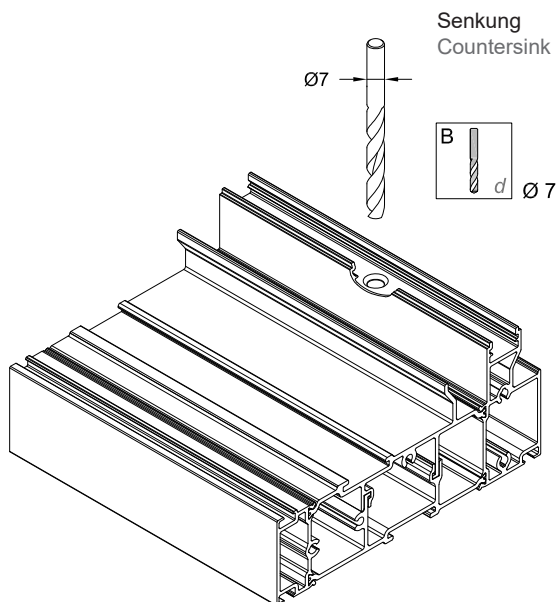
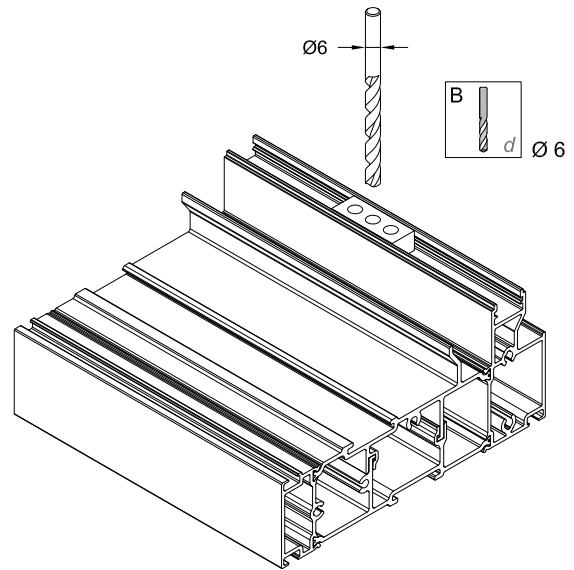
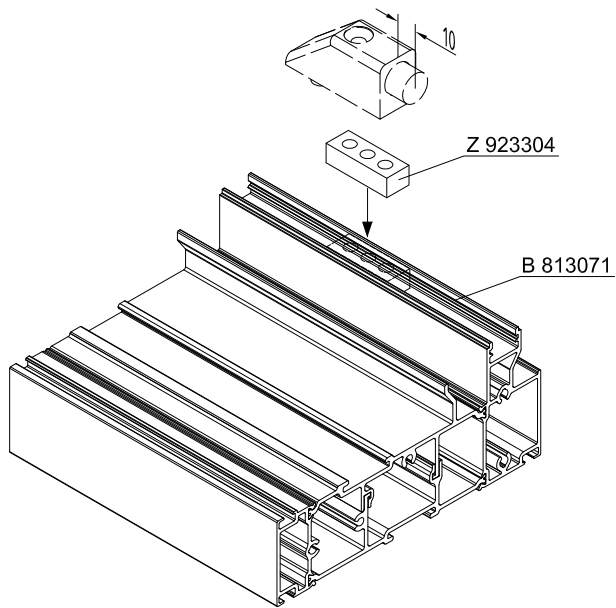
Optional: Assembly of stop buffers Z 996281
(Inactive or 2. active sash inside)

	B 813232	B 813234
	B 813233	B 813235
X	27 mm	31.5 mm
Y	15 mm	24 mm
Z	36 mm	45 mm

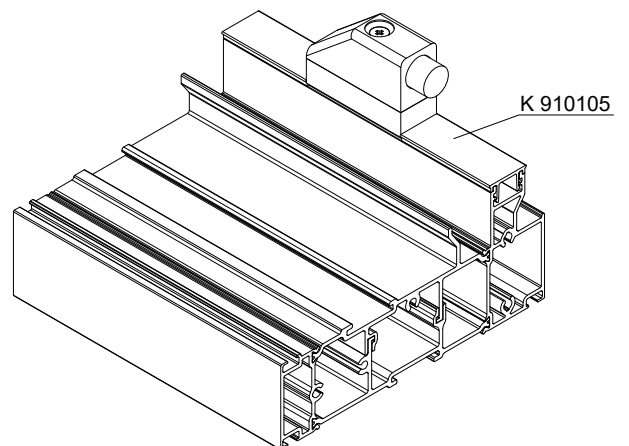
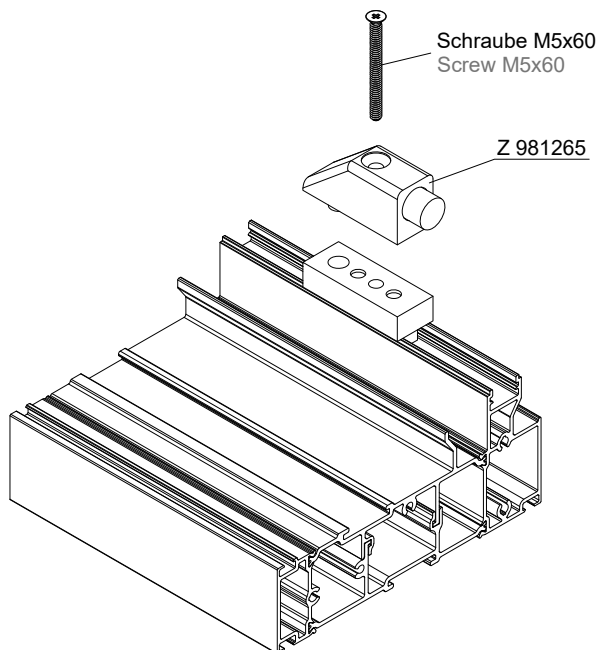
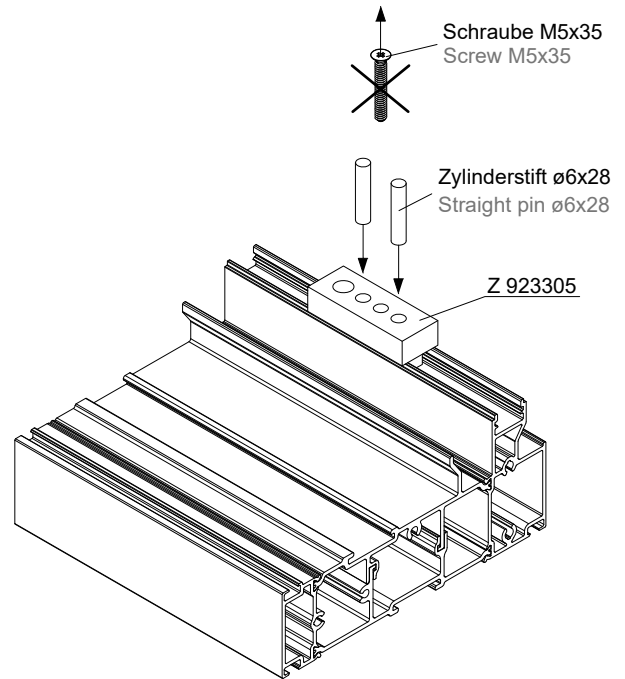
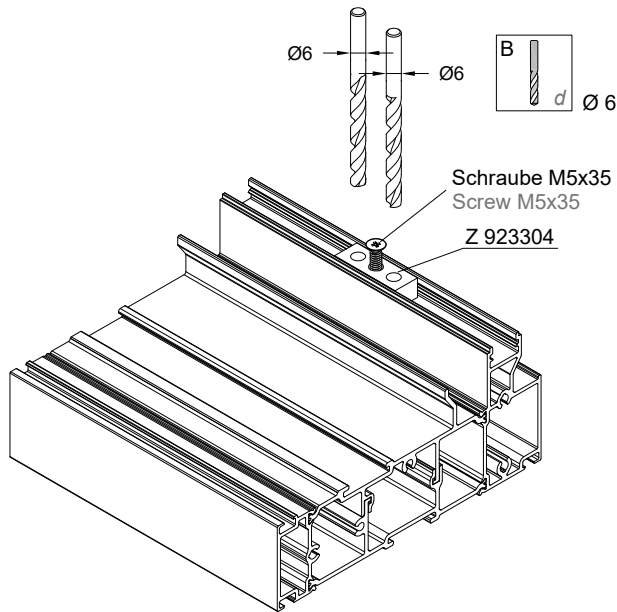
Rahmenseite
Frame side



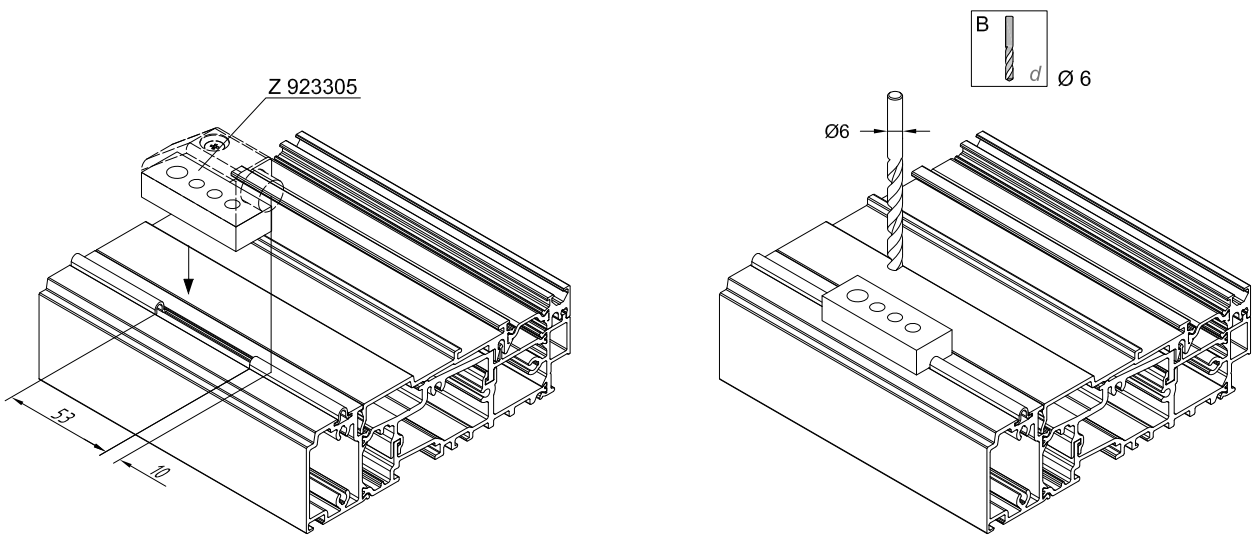
ANSCHLAGPUFFERMONTAGE BEI MONORAIL MIT Z 997762 OBEN
INSTALLATION STOPPERS AT MONRAIL WITH Z 997762 ON TOP



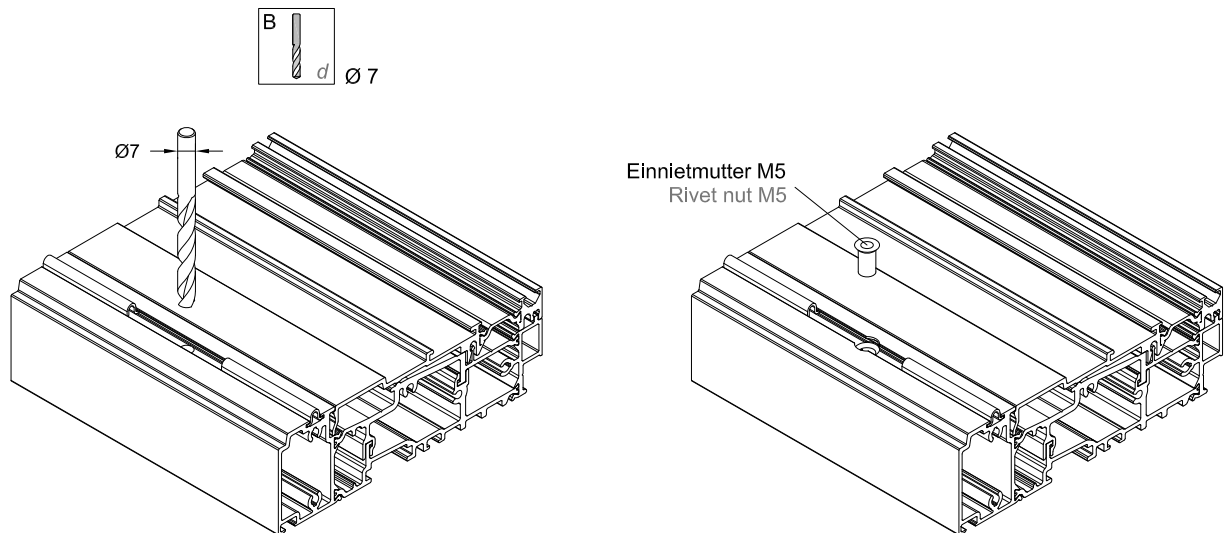
ANSCHLAGPUFFERMONTAGE BEI MONORAIL MIT Z 997762 OBEN
 INSTALLATION STOPPERS AT MONRAIL WITH Z 997762 ON TOP



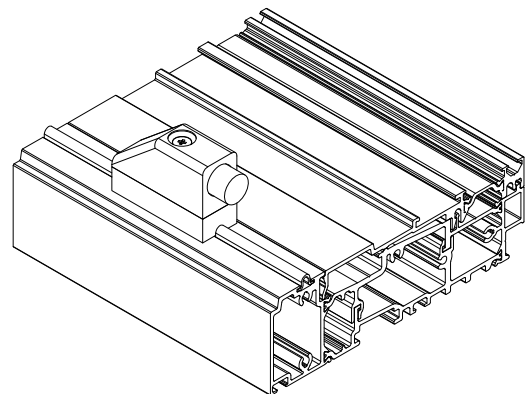
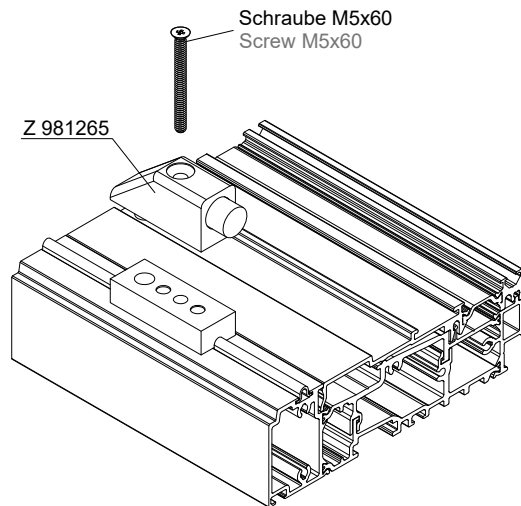
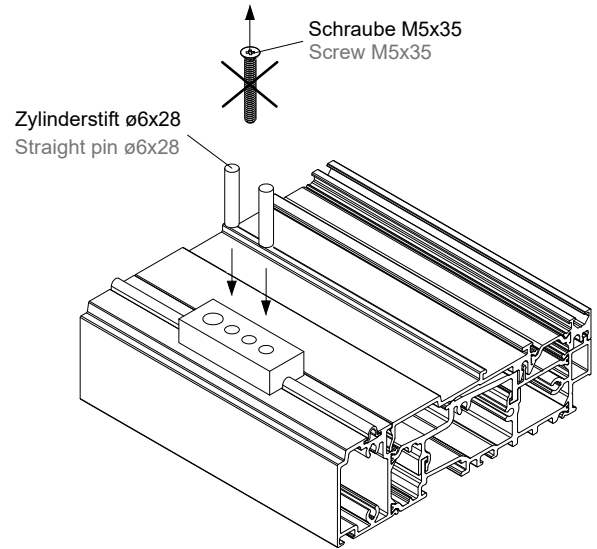
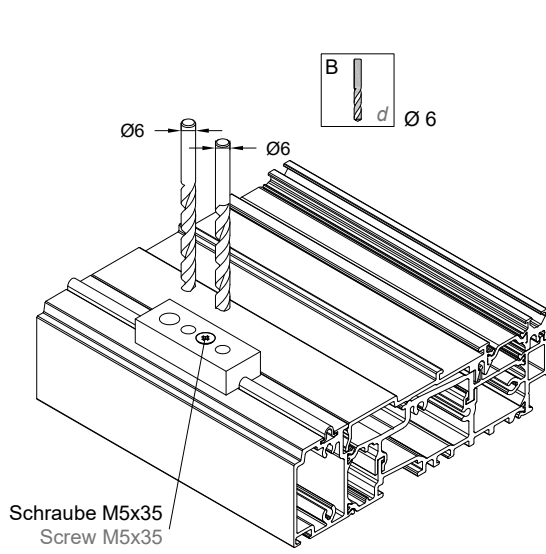
ANSCHLAGPUFFERMONTAGE BEI MONORAIL MIT Z 997762 UNTEN
INSTALLATION STOPPERS AT MONORAIL WITH Z 997762 AT THE BOTTOM



Senkung
Countersink

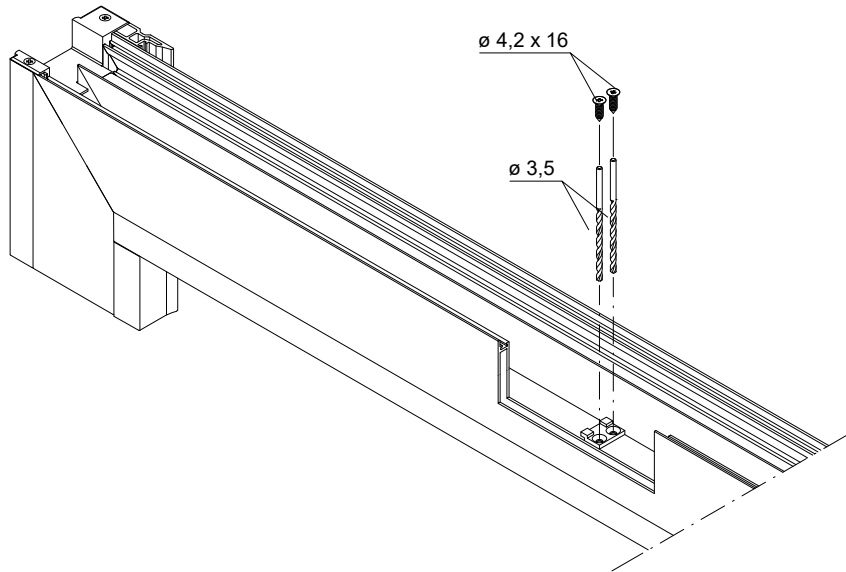
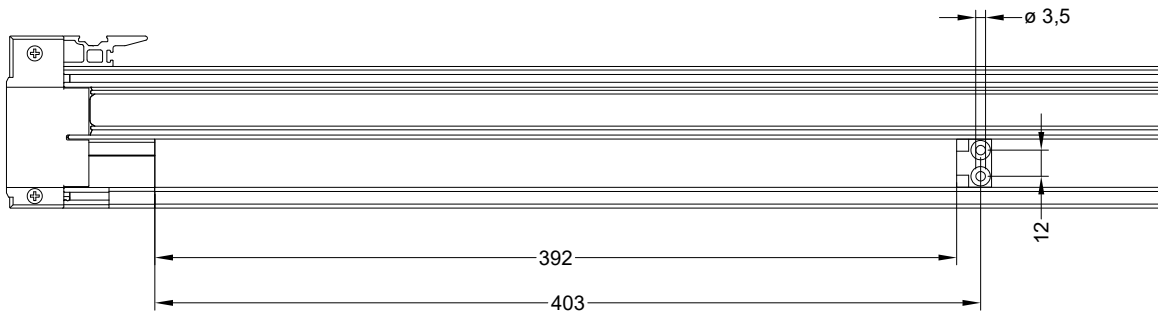


ANSCHLAGPUFFERMONTAGE BEI MONORAIL MIT Z 997762 UNTEN
 INSTALLATION STOPPERS AT MONRAIL WITH Z 997762 AT THE BOTTOM

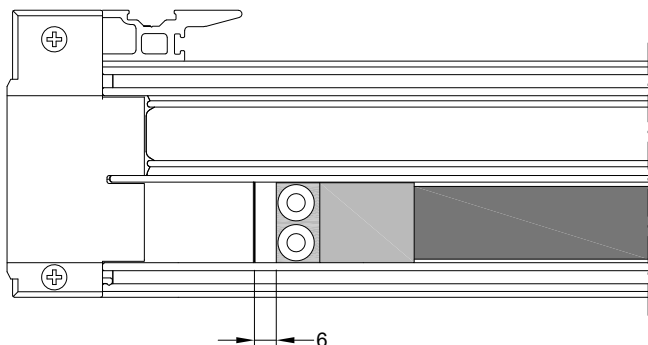
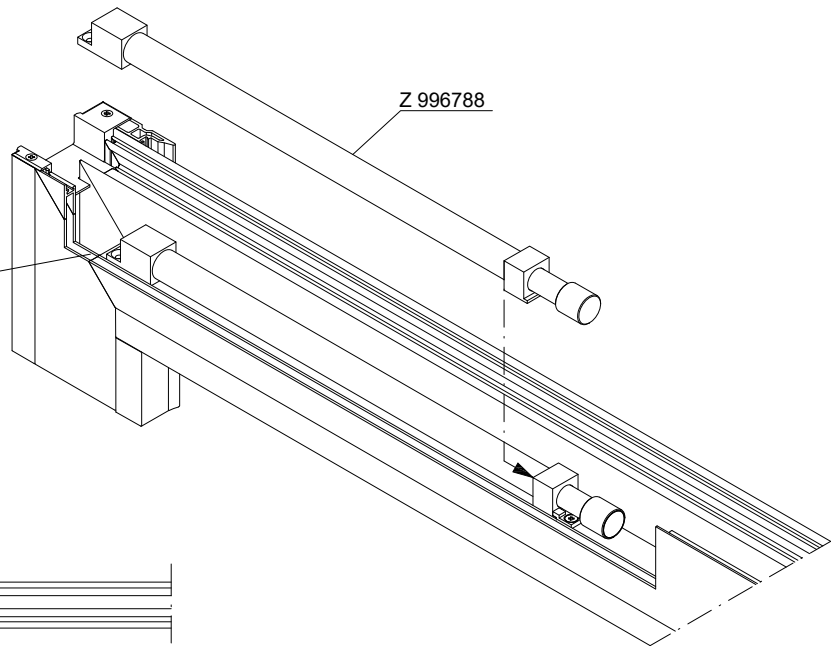
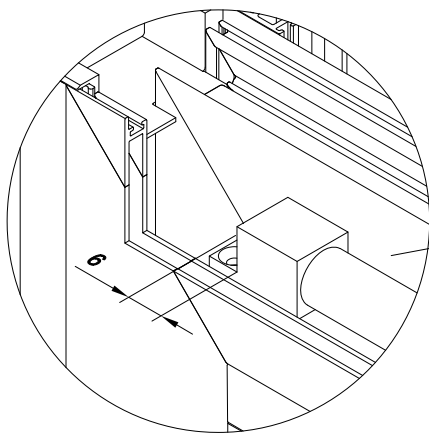


MONTAGE ANSCHLAGDÄMPFER
ASSEMBLY FRICTION CONTROL

1. Vorbohren und Anschrauben der Befestigungsplatte
Drill and fix the bracket

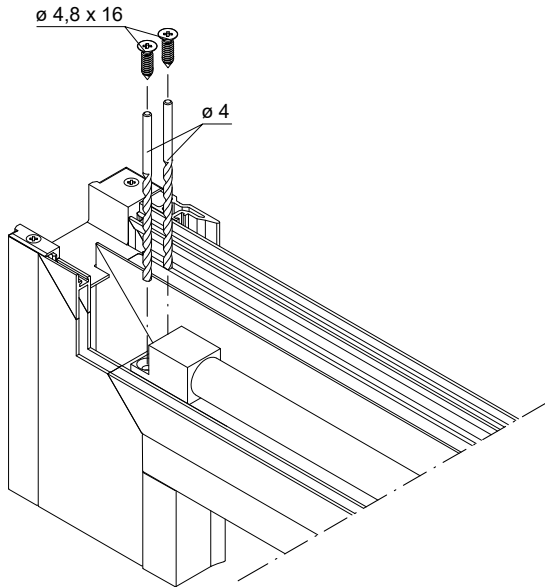


2. Einsetzen des Dämpfers
Insert the damper

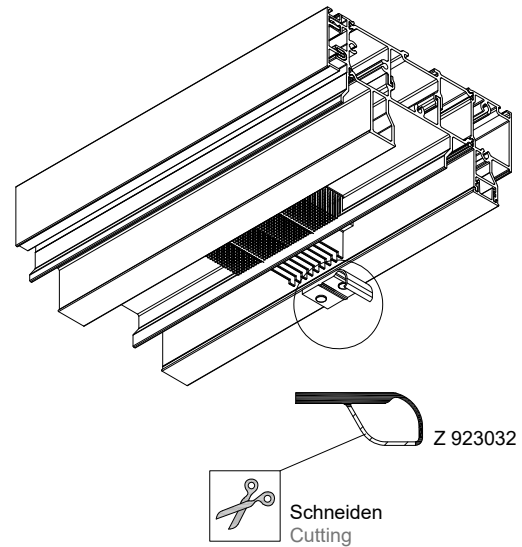


MONTAGE ANSCHLAGDÄMPFER
 ASSEMBLY FRICTION CONTROL

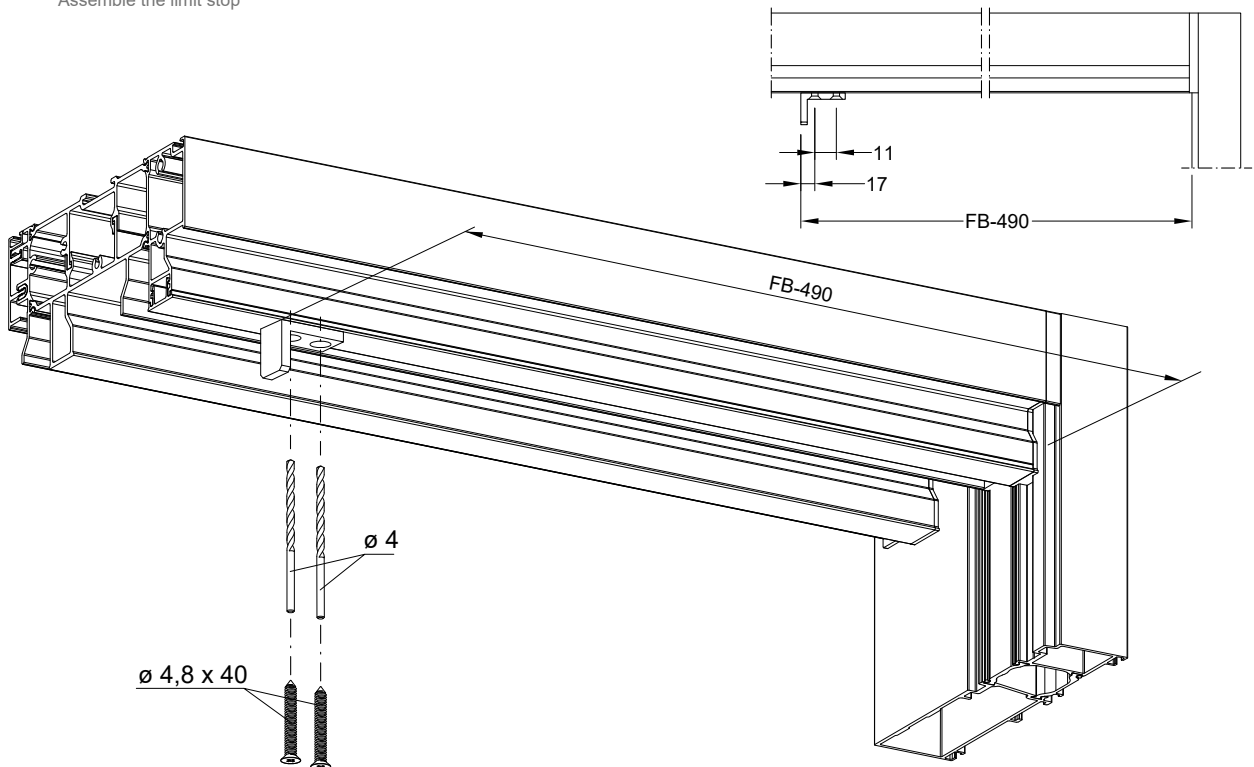
3. Vorbohren und Verschrauben des Dämpfers
 Drill and fix the damper



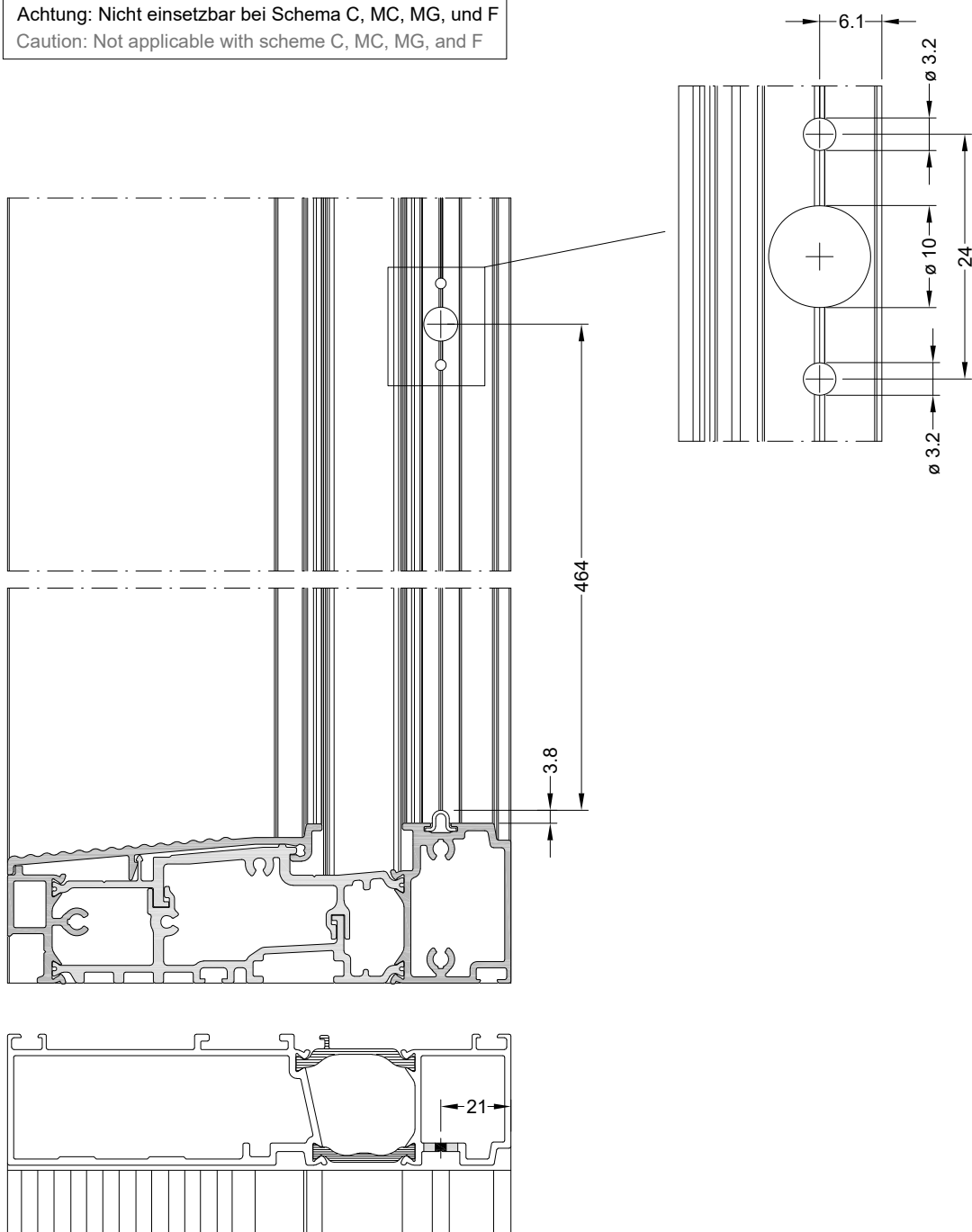
4. Formteil bearbeiten
 Edit shaped piece



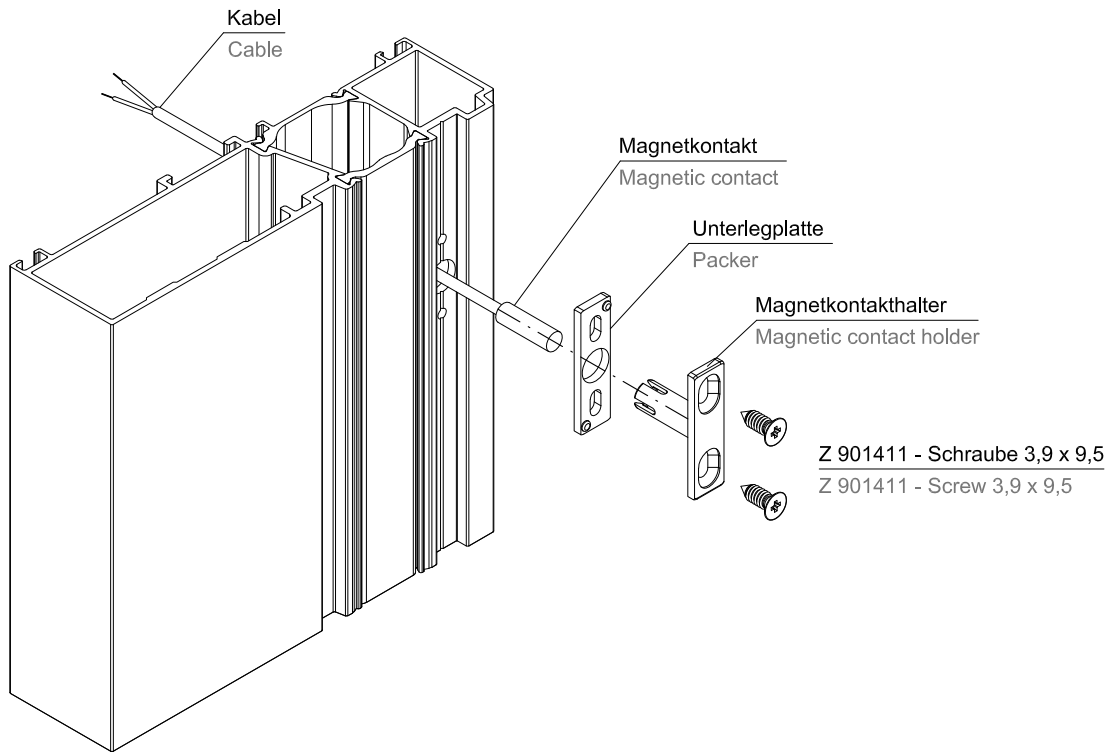
5. Montieren des Anschlages
 Assemble the limit stop



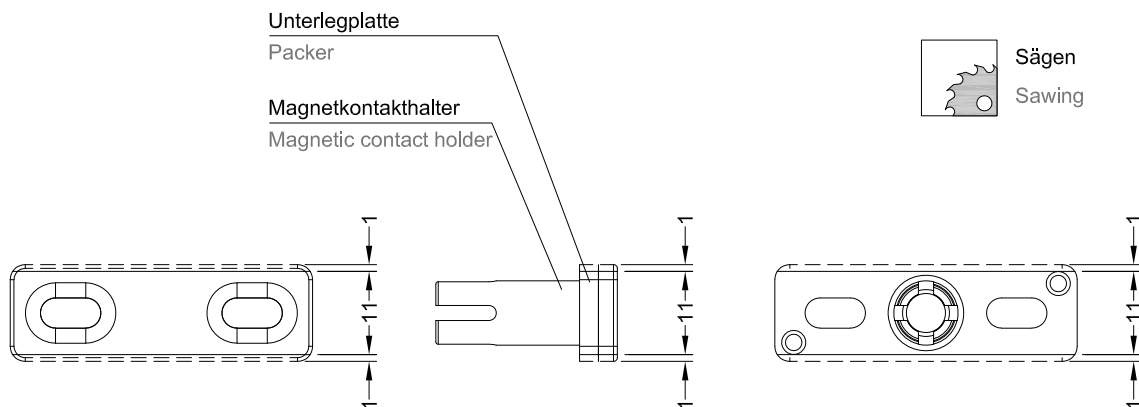
Achtung: Nicht einsetzbar bei Schema C, MC, MG, und F
Caution: Not applicable with scheme C, MC, MG, and F

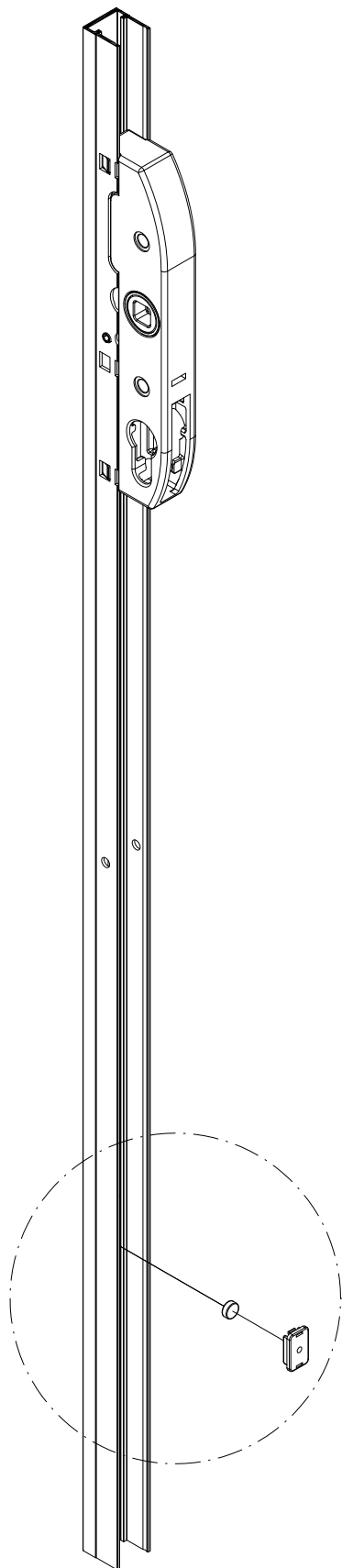


Verschlusskontrolle Set: Z 997458
 Locking control set: Z 997458



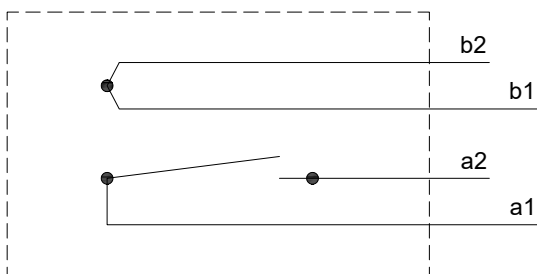
Unterlegplatte und Magnetkontakthalter müssen beidseitig um 1 mm gekürzt werden
 Packer and magnetic contact holder must be cut both-sided by 1 mm



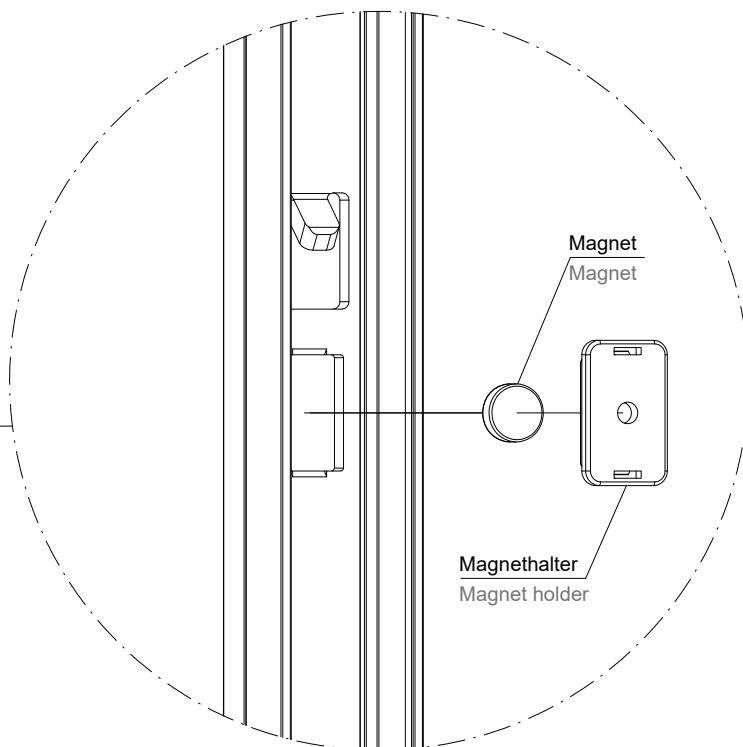


Technische Daten	
Magnetkontakt Verschlusskontrolle	
Kontakt	A/Schließer
Gehäusematerial	Kunststoff
Farben	schwarz
Standardkabel 2/4/6 m	LYYY 4 x 0,14 mm ²
Kontaktbelastung max.	10 Watt
Schaltspannung	100 V DC
Schaltgleichstrom max.	0,5 A
Temperaturbereich bei festverlegtem Kabel	-25°C bis +70°C
Temperaturbereich bei bewegtem Kabel	-5°C bis +50°C
Schutzart nach DIN 40050	IP 68

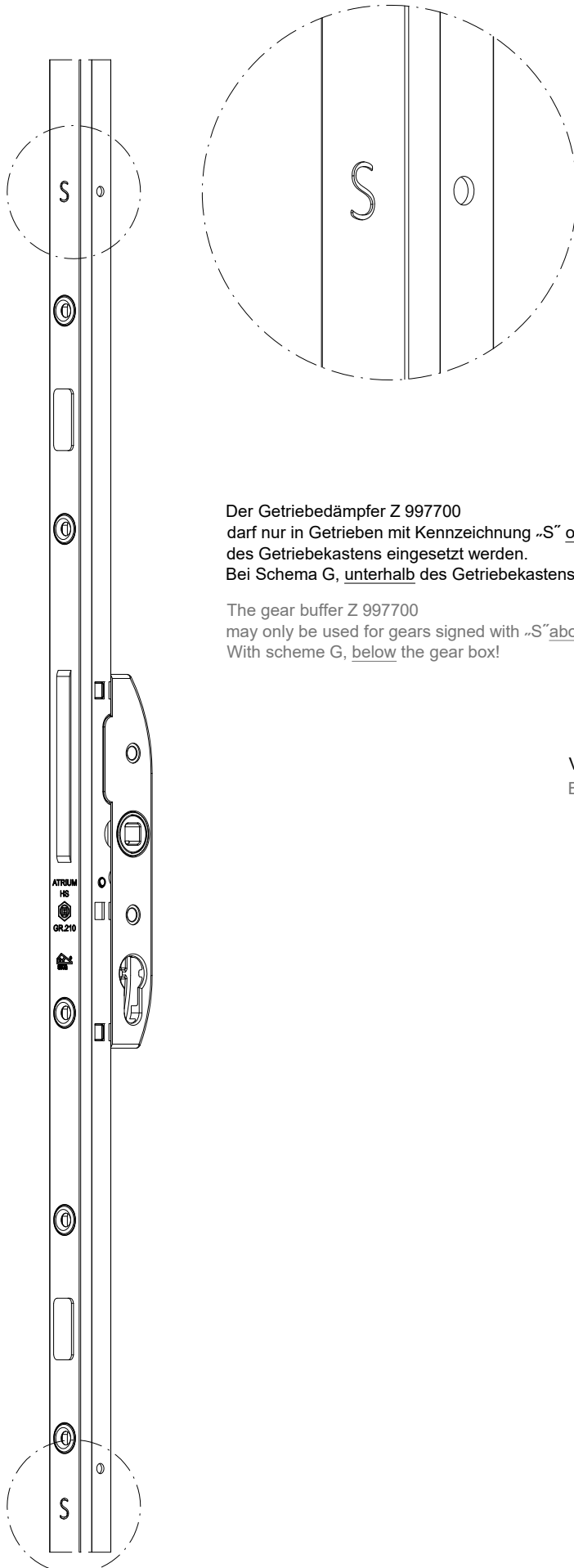
Technical data	
Magnetic contact locking control	
Contact	A/Schließer
Housing material	PVC
colours	black
Standard cable 2/4/6 m	LYYY 4 x 0,14 mm ²
Contact load max.	10 Watt
Switching voltage	100 V DC
Switching DC max.	0,5 A
Range of temperature in case of fixed cable	-25°C till +70°C
Range of temperature in case of moved cable	-5°C till +50°C
Protection class acc. to DIN 40050	IP 68



Magnethalter incl. Magnet in vorgesehene Öffnung des Getriebes klippen
Clip magnet holder incl. magnet into the intended chamber of the espag



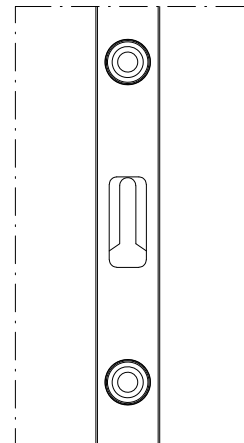
MONTAGE • GETRIEBEDÄMPFER
 ASSEMBLY • GEAR BUFFER



Der Getriebedämpfer Z 997700
 darf nur in Getrieben mit Kennzeichnung „S“ oberhalb
 des Getriebekastens eingesetzt werden.
 Bei Schema G, unterhalb des Getriebekastens!

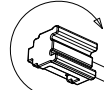
The gear buffer Z 997700
 may only be used for gears signed with „S“ above the gear box.
 With scheme G, below the gear box!

Vor Montage, Getriebe in „Geschlossen“ Stellung bringen
 Before mounting, set gear in „close“ position

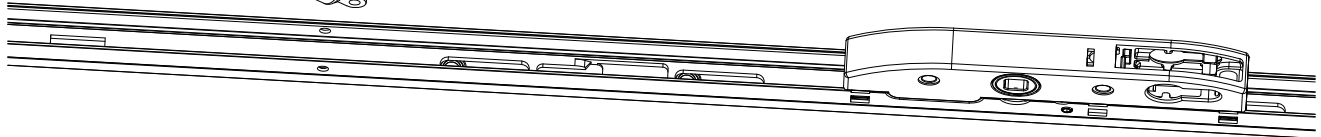
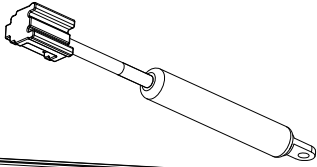


MONTAGE • GETRIEBEDÄMPFER
ASSEMBLY • GEAR BUFFER

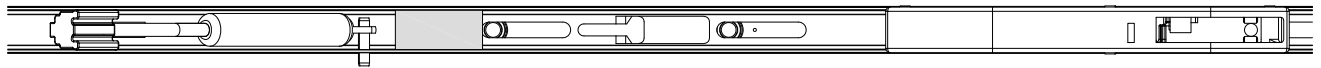
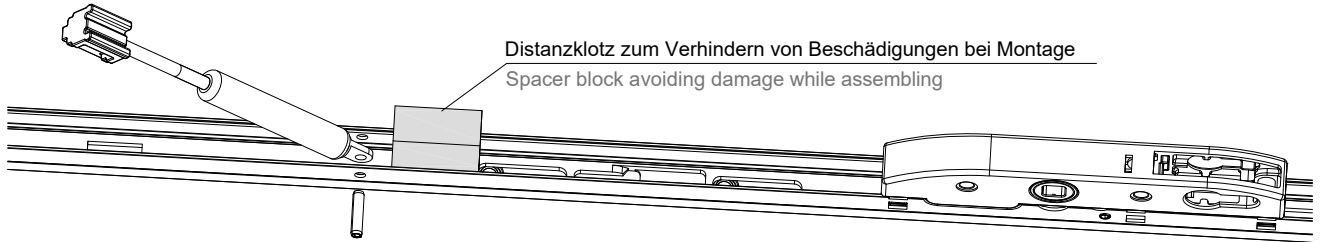
Bis zum Anschlag drehen
Turn until the stop



Dämpfer Z 997700
Damper Z 997700



Distanzklotz zum Verhindern von Beschädigungen bei Montage
Spacer block avoiding damage while assembling



Mit Fett einstreichen und einpressen
Brush with grease and press in

