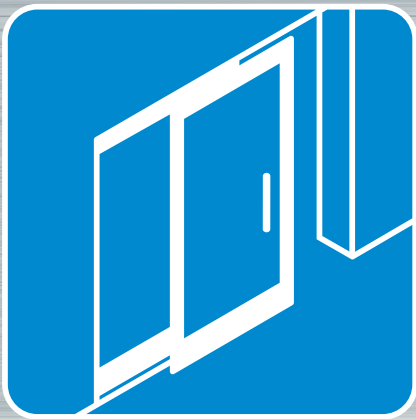



# VOLATO SLS 075 CS

SCHIEBESYSTEM  
SLIDING SYSTEM

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10/2018



ALUMINIUM SYSTEMS   
**HUECK**  
GERMAN ENGINEERING SINCE 1814



SCHIEBE-SYSTEM / SLIDING-SYSTEM

# HUECK VOLATO SLS 075 CS

Filigrane Ansichten, große Glasflächen sowie eine besonders einfache, rationelle Montage zeichnet die neue Schiebe-Systemvariante HUECK Volato SLS 075 CS aus. Die Verglasung der Elemente ist bei dieser Konstruktion durch die umlaufenden Flügel (Circumferential Sash) stark vereinfacht. Zusammen mit dem serienübergreifenden Gleichteilekonzept ermöglicht sie dadurch eine besonders rationelle Verarbeitung. Durch Rahmenbautiefen ab 75 mm ist das komfortabel zu bedienende Aluminium-Schiebesystem kompatibel mit dem HUECK Lambda WS/DS 075 Fenster- und Türenbaukasten und lässt sich darüber hinaus harmonisch in die Fassadenkonstruktion HUECK Trigon integrieren. Die vielfältigen Ausführungsvarianten als zwei- oder drei-spurige Variante schaffen Gestaltungsfreiheit für die Entwicklung attraktiver architektonischer Konzepte.

The new HUECK Volato SLS 075 CS sliding system variant features slender elevations, large glass surfaces and exceptionally straightforward, efficient assembly. In this construction, the circumferential sash makes it considerably easier to glaze the elements. Together with the cross-series component-sharing concept, this paves the way for particularly efficient processing. Thanks to frame profile depths starting from 75 mm, this easy-to-use aluminium sliding system is compatible with the HUECK Lambda WS/DS 075 modular window and door system and also integrates smoothly into the HUECK Trigon façade construction. The broad range of design variants – in double- and triple-tracked versions – provides creative freedom for the development of attractive architectural concepts.

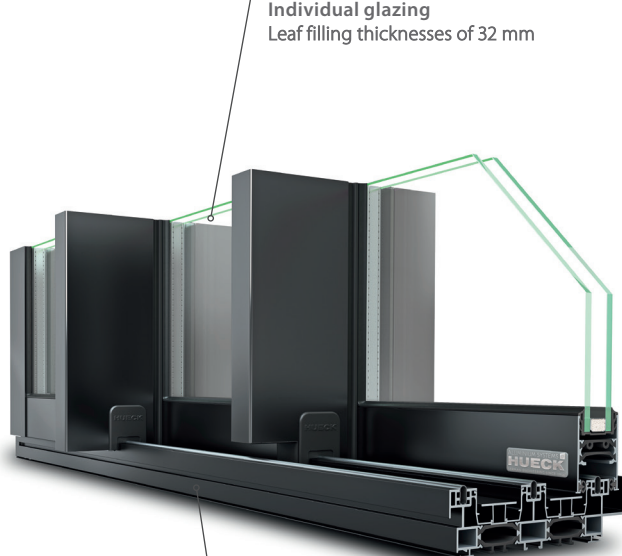
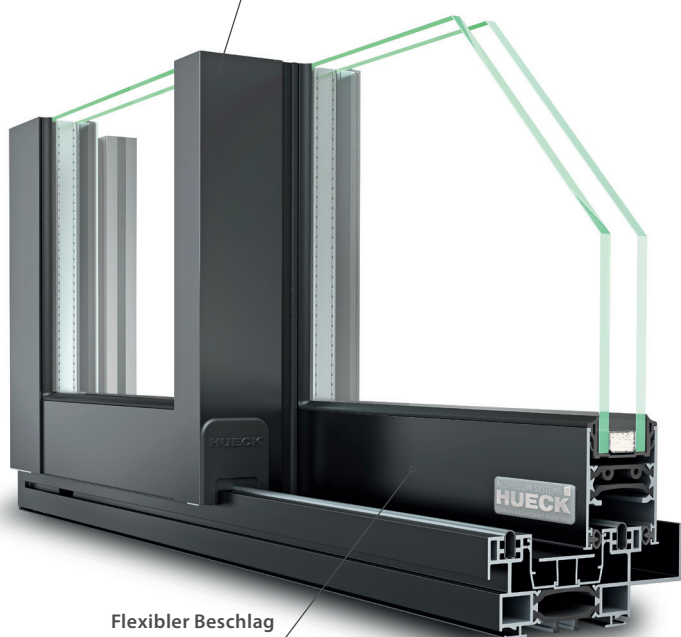
# HUECK Volato SLS 075 CS

Filigrane Profilansichten  
Schmales Labyrinth  
mit nur 35 mm Ansicht

Slender profile widths  
Slender labyrinth with an  
elevation width of just 35 mm

Individuelle Verglasung  
Füllungsdicken Flügel 32 mm

Individual glazing  
Leaf filling thicknesses of 32 mm



Flexibler Beschlag  
Laufwagen auf unterschiedliche  
Flügelgewichte abgestimmt

Versatile fitting  
Tandem roller tailored to  
different sash weights

Variantenvielfalt  
Schema A, D, C, F, E und L

Wide range of designs  
Scheme A, D, C, F, E and L

## LEISTUNGSEIGENSCHAFTEN\*

### PERFORMANCE CHARACTERISTICS\*

Klassifizierung / Wert  
Classification / Value

WIDERSTANDSFÄHIGKEIT GEGEN WINDLAST  
RESISTANCE TO WIND LOAD  
EN 12210

C2

SCHLAGREGENDICHTHEIT  
WATER TIGHTNESS  
EN 12208

9A

WÄRMEDURCHGANGSKOEFFIZIENT  
THERMAL TRANSMITTANCE  
EN ISO 10077-2

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

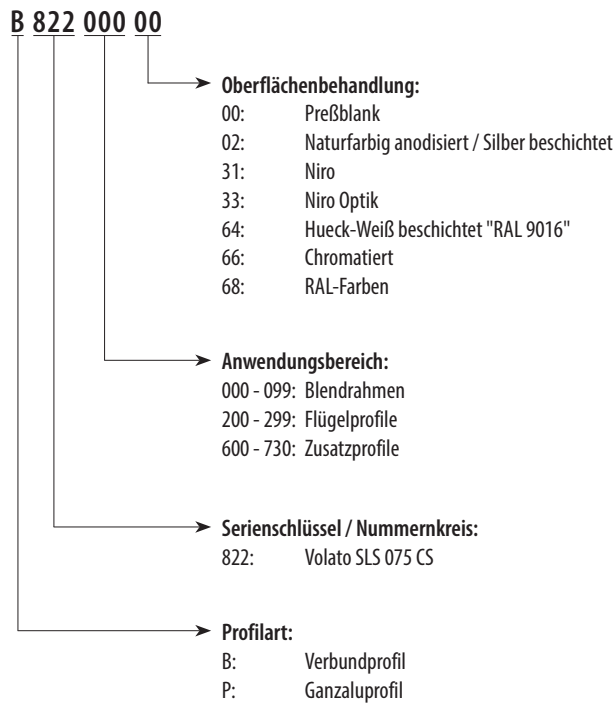
LUFTDURCHLÄSSIGKEIT  
AIR PERMEABILITY  
EN 12207

4

\* Bei den angegebenen Leistungseigenschaften gilt der zur Drucklegung aktuelle Stand. Gültige Prüfzeugnisse sowie technische Informationen finden Sie im Download-Bereich unter [www.hueck.de](http://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](http://www.hueck.com)

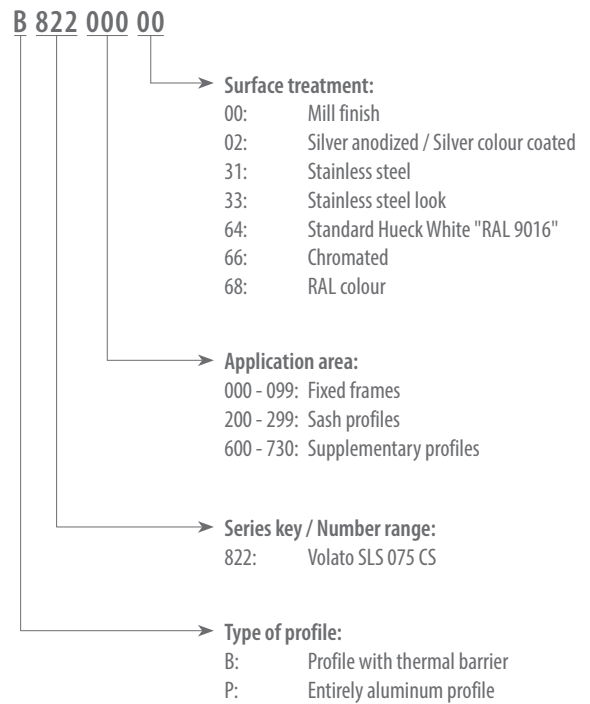
SYSTEMATIK DER PROFILNUMMERN

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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 CURRENT INFORMATION

Die CAD-Daten der im Katalog gezeigten Schnittzeichnungen in DWG-Format finden Sie auf unserer Website unter [www.hueck.com](http://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](http://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](http://www.hueck.com) unter „Informationen & Services“.

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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.

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



















































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

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**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	
	<b>Blendrahmen</b> Fixed frame		<b>Türblendrahmen</b> Door fixed frame		<b>Profilkammer außen</b> Profile chamber external
	<b>Wechsel-Blendrahmen</b> Reversible frame		<b>Türflügel einwärts öffnend</b> Door leaf inward opening		<b>Profilkammer innen</b> Profile chamber internal
	<b>Z-Blendrahmen</b> Z-fixed frame		<b>Türflügel auswärts öffnend</b> Door leaf outward opening		<b>Eckverbinder</b> Corner cleat
	<b>Dehnungsblendrahmen</b> Fixed frame expansion profile		<b>Türflügel-Ausgleichsprofil</b> Door sash compensation profile		<b>Stift</b> Nail
	<b>Einspannblendrahmen</b> Interlocking fixed frame		<b>Sockelprofil</b> Bottom rail profile		<b>Aussteifungswinkel</b> Corner strengthening piece
	<b>Blendrahmenverbreiterung</b> Fixed frame extension		<b>Anschlagprofil</b> Rebate profile		<b>T-Verbinder</b> T-cleat
	<b>Sprossenprofil</b> Transom profile		<b>Stulpprofil Tür</b> Secondary leaf profile		<b>Formteil links</b> Shaped piece left
	<b>Statik-Sprossenprofil</b> Static transom profile		<b>Sockel-Abschlussprofil</b> Bottom rail end section profile		<b>Formteil rechts</b> Shaped piece right
	<b>Statik-Dehnungsblendrahmen</b> Static fixed frame expansion profile		<b>Schwellenprofil</b> Threshold profile		<b>Dichtkissen</b> Sealing pad
	<b>Flügelprofil</b> Sash profile		<b>Wetterschenkel</b> Weatherboard		<b>Dichtkissenabdeckung PA Zone</b> Sealing pad cover insulation area
	<b>Flügelssprosse</b> Sash transom profile		<b>Wechselprofil</b> Reversible profile		<b>Dämmkern</b> Insulating core
	<b>Stulpprofil Flügel</b> Secondary sash profile		<b>Adapterprofil</b> Adapter profile		<b>Klotzbrücke</b> Glazing bridge
	<b>Eckprofil</b> Corner profile		<b>Bausenkungsprofil</b> Structural expansion profile		<b>verpressbar</b> crimpable
	<b>Wechselprofil</b> Reversible profile		<b>Glasleiste</b> Glazing bead		<b>verstiftbar</b> nailable
	<b>Kopplungsprofil</b> Coupling profile				<b>nachträglich verklebbar</b> retro gluing after assembly
	<b>Modernisierungsblendrahmen</b> Upgrading fixed frame				
	<b>Adapterprofil</b> Adapter profile				
	<b>Bausenkungsprofil</b> Structural expansion profile				
	<b>Glasanschlag</b> Glass stopper profile				
	<b>Glasleiste</b> Glazing bead				
	<b>Halteprofil</b> Retaining profile				
	<b>Handlauf</b> Handrail				
	<b>Kantenschutz U-Form</b> Edge protection U-shape				
	<b>Kantenschutz Flachform</b> Edge protection flat form				
	<b>Zusatzprofil</b> 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	<b>AM</b>	Achsmaß Axial dimension	<b>OKFF</b>	Oberkante Fertigfußboden Upper edge finished floor level
	Bohrer Drill	<b>BRM</b>	Baurichtmaß Nominal dimension	<b>RB</b>	Rahmenbreite Frame width
	Bohrschablone Drilling jig	<b>DF</b>	Drehflügelbeschlag Side-hung sash fitting	<b>RB<i>i</i></b>	Rahmenbreite, innen Frame width, internal
	Dichtstoff Sealing compound	<b>DK</b>	Drehkippschlag Turn-tilt fitting	<b>RC1N</b>	Resistance Class 1 No requirement Resistance Class 1 No requirement
	Fräser Milling cutter	<b>FB</b>	Flügelbreite Sash width	<b>RC2(N)</b>	Resistance Class 2 (No requirement) Resistance Class 2 (No requirement)
	Kleber Glue	<b>FF</b>	Festflügel / Festfeld Fixed sash / Fixed field	<b>RFM</b>	Rahmenfalzmaß Frame rebate dimension
	Parallelität Parallelism	<b>FFM</b>	Flügelfalzmaß Sash rebate dimension	<b>RH</b>	Rahmenhöhe Frame height
	Sägen Sawing	<b>FG</b>	Flügelgewicht Sash weight	<b>RH<i>i</i></b>	Rahmenhöhe, innen Frame height, internal
	Schlüsselweite Width across flats	<b>FH</b>	Flügelhöhe Sash height	<b>SBF</b>	Schiebeflügel Sliding sash
	Schneiden Cutting	<b>FL</b>	Falzluft Rebate clearance	<b>SF</b>	Standflügel Inactive leaf / sash
	Schnittflächenabdichtung Sealing of cut surface	<b>GB</b>	Glasbreite Glass width	<b>SL</b>	Schmales Labyrinth Narrow labyrinth
	Stanze Punching tool	<b>GF</b>	Gangflügel Active leaf / sash	<b>SP</b>	Schaltsperr Mishandling device
	Werkzeug Tool	<b>GFM</b>	Glasfalzmaß Glazing rebate dimension	<b>T</b>	Treibstange Operating rod
		<b>GH</b>	Glashöhe Glass height	<b>TF</b>	Kipp vor Dreh Beschlag Tilt before turn fitting
		<b>GrH</b>	Griffhöhe Handle height	<b>T(i)</b>	Teilung (variabel) Division (variable)
		<b>KF</b>	Kippflügelbeschlag, Griff seitlich Bottom hung sash fitting, lateral handle	<b>T(GF)</b>	Teilung (Gangflügel) Division (Active leaf / sash)
		<b>L</b>	Länge Length	<b>T(SF)</b>	Teilung (Standflügel) Division (Inactive leaf / sash)
		<b>LDB</b>	Lichte Durchgangsbreite Clear passage width	<b>ÜBB</b>	Überschlagbreite Overlap width
		<b>LDH</b>	Lichte Durchgangshöhe Clear passage height	<b>ÜBH</b>	Überschlaghöhe Overlap height
		<b>MV</b>	Mittelverschluss Centre lock	<b>WDVS</b>	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]	.....

<b>HUECK Serie / HUECK series</b>	
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.	.....
<b>Beschlag / Fitting</b>	
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

Übergroßen / Larger sizes klaus-martin.hees@hueck.de  
Sonderbeschläge / Special fittings Fax +49(0)2351 151 41 928

wolfgang.meister@hueck.de  
Fax +49(0)2351 151 41 314

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

<b>Gewichte / Weights</b>	
Scheibenaufbau Pane construction	.....
Flügelgewicht Sash weight	.....

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

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

Oberfläche / Surface	.....
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Einbauhöhe Installation height	..... m
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Anzahl Geschosse Number of storeys	.....
---------------------------------------	-------

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

<b>Windlasten DIN EN 12210 / Wind loads DIN EN 12210</b>		
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





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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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#### HUECK DOCUMENTATION APP & WEB

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.

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Betrachten Sie unsere Aluminium-Fenster-, Türen- und Fassadensysteme in fotorealistischem 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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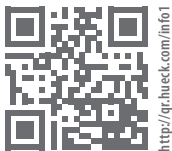
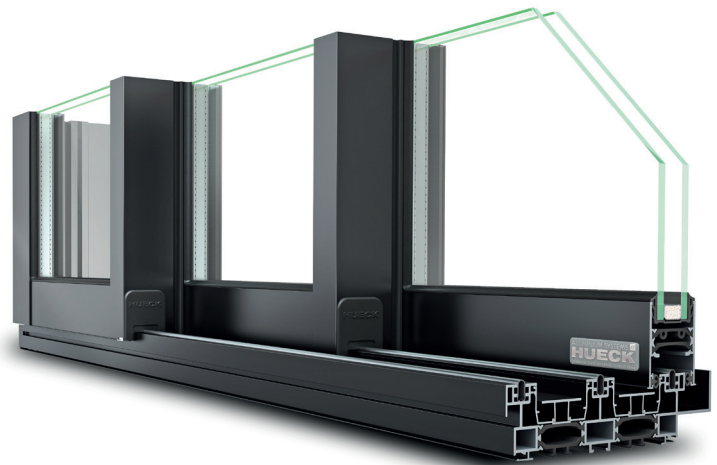
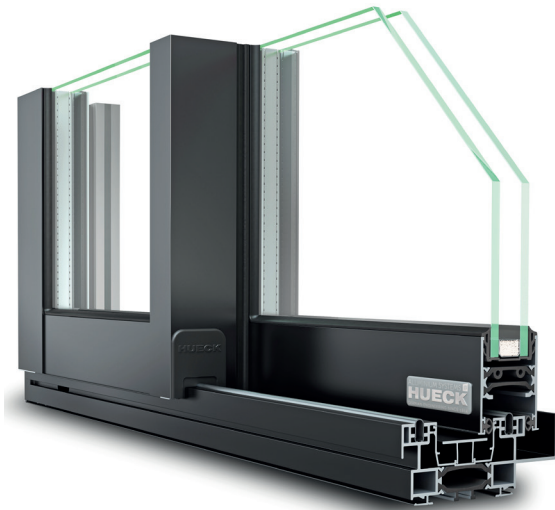
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HUECK VOLATO SLS 075 CS • ALUMINIUM SCHIEBE-SYSTEM  
HUECK VOLATO SLS 075 CS • ALUMINIUM SLIDING-SYSTEM



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

## SERIENBESCHREIBUNG

**HUECK Volato SLS 075 CS** ist ein hochwärmegedämmtes Aluminium Schiebe-System mit einer Profilbautiefe von 75 mm (Blendrahmen) und 46 mm (Flügel), kompatibel zur Fenster-/Türserie HUECK Lambda WS/DS 075.

Werkseitiger schubfester Verbund, zur nachträglichen Pulverbeschichtung und Anodisierung geeignet.

Schmale Ansichten der Blend- und Flügelrahmenkombination von 103 bzw. 113 mm verschlussseitig und 91 mm oben/unten. Ansichtsbreite des schmalen Labyrinths 35 mm.

Praxisorientierte Auswahl an 2- und 3-spurigen Öffnungsarten (Schemata A, D, C, F, E, und L) mit „schmalen Labyrinth“.

TPS-Gleitdichtungen, optional Bürstendichtungen einsetzbar. EPDM-Verglasungsdichtungen, umlaufend einziehbar. Alle Dichtungen mit Gleitpolymerbeschichtung, geeignet für selbstreinigende Verglasungen.

Verdeckt liegende Entwässerung über die Blendrahmenprofile.

Leichte Verarbeitung durch umlaufende Rahmen auf Gehrung gestoßen. Flügel ohne Glasleisten um die Verglasung (Bilderrahmenmontage), stumpf gestoßen und ohne Verbinder verschraubt. Alle Eckverbinder für Blendrahmen wahlweise nagel- als auch verpressbar.

### Glasstärken von 24 mm bis 32 mm.

Max. Flügelgewichte unterteilt in 60 kg, 120 kg und 200 kg.  
Max. Flügelabmessungen 2000 x 2500 mm mit Widerstand gegen Windlast C1  
Max. Flügelabmessungen 1600 x 2418 mm mit Widerstand gegen Windlast C2 (Anwendungsdiagramme sind zu beachten).

## LEISTUNGSEIGENSCHAFTEN

**Widerstandsfähigkeit gegen Windlast:** bis Klasse C2 / B2 nach EN 12210

**Schlagregendichtheit:** bis Klasse 9A nach EN 12208

**Wärmedurchgangskoeffizient:**  $U_f$  abhängig von Profilgeometrie  
 $\geq 2,3 \text{ W/m}^2\text{K}$  nach EN 10077-2

**Luftdurchlässigkeit:** bis Klasse 4 nach EN 12207

## SERIES DESCRIPTION

**HUECK Volato SLS 075 CS** is a highly thermally insulated aluminium sliding-system with a profile depth of 75 mm (Fixed frame) and 46 mm (Sash), compatible with window- and door series HUECK Lambda WS/DS 075.

Factory-made shear-proof composite, suitable for subsequent powder-coating and anodization.

Narrow elevation widths of the frame and sash combination of 103 or 113 mm on the shutter side and 91 mm at the top/bottom. Elevation width of the narrow labyrinth 35 mm.

Practice-oriented selection of double- and triple-tracked opening types (Scheme A, D, C, F, E and L) with „Narrow labyrinth“.

Sliding gaskets made from TPS, optionally woven pile weather strip applicable. 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 due to the circumferential frame mitred. Sash without glazing beads around the glazing (picture frame mounting), butt-jointed and screwed together without connectors. All corner brackets for the fixed frame are either nailable or crimpable.

### Glass thicknesses starting at 24 mm up to 32 mm.

Max. sash weights are categorized in 60 kg, 120 kg and 200 kg.  
Max. sash sizes 2000 x 2500 mm with resistance to wind load C1  
Max. sash sizes 1600 x 2418 mm with resistance to wind load C2 (Application diagrams must be observed).

## PERFORMANCE CHARACTERISTICS

**Resistance to wind load:** up to class C2 / B2 according to EN 12210

**Water tightness:** up to class 9A according to EN 12208

**Thermal transmittance:**  $U_f$  depending on profile geometry  
 $\geq 2,3 \text{ W/m}^2\text{K}$  according to EN 10077-2

**Air permeability:** up to class 4 according to EN 12207



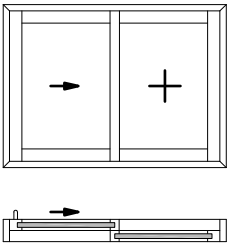
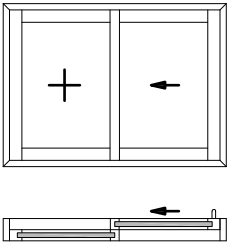
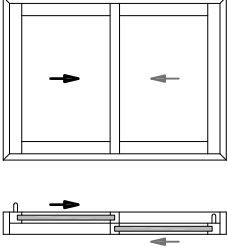
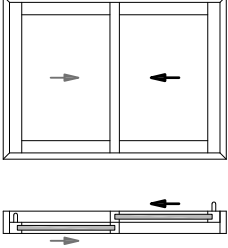
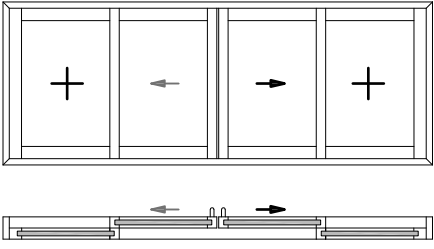
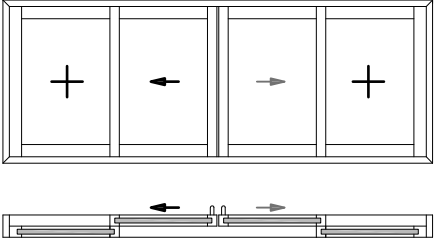
Bei den Leistungseigenschaften gilt der zur Drucklegung aktuelle Stand. Gültige Prüfzeugnisse sowie technische Informationen finden Sie unter [www.hueck.com](http://www.hueck.com)

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](http://www.hueck.com)



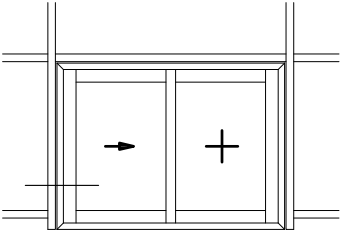
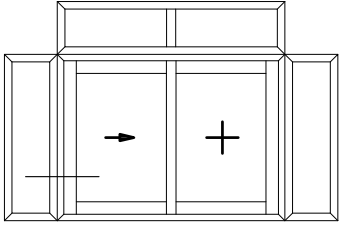
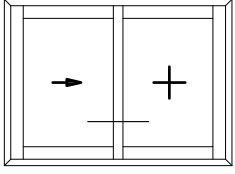


SCHEMA-ÜBERSICHT (ANSICHT VON AUSSEN)  
OVERVIEW OF SCHEMES (VIEW FROM THE OUTSIDE)

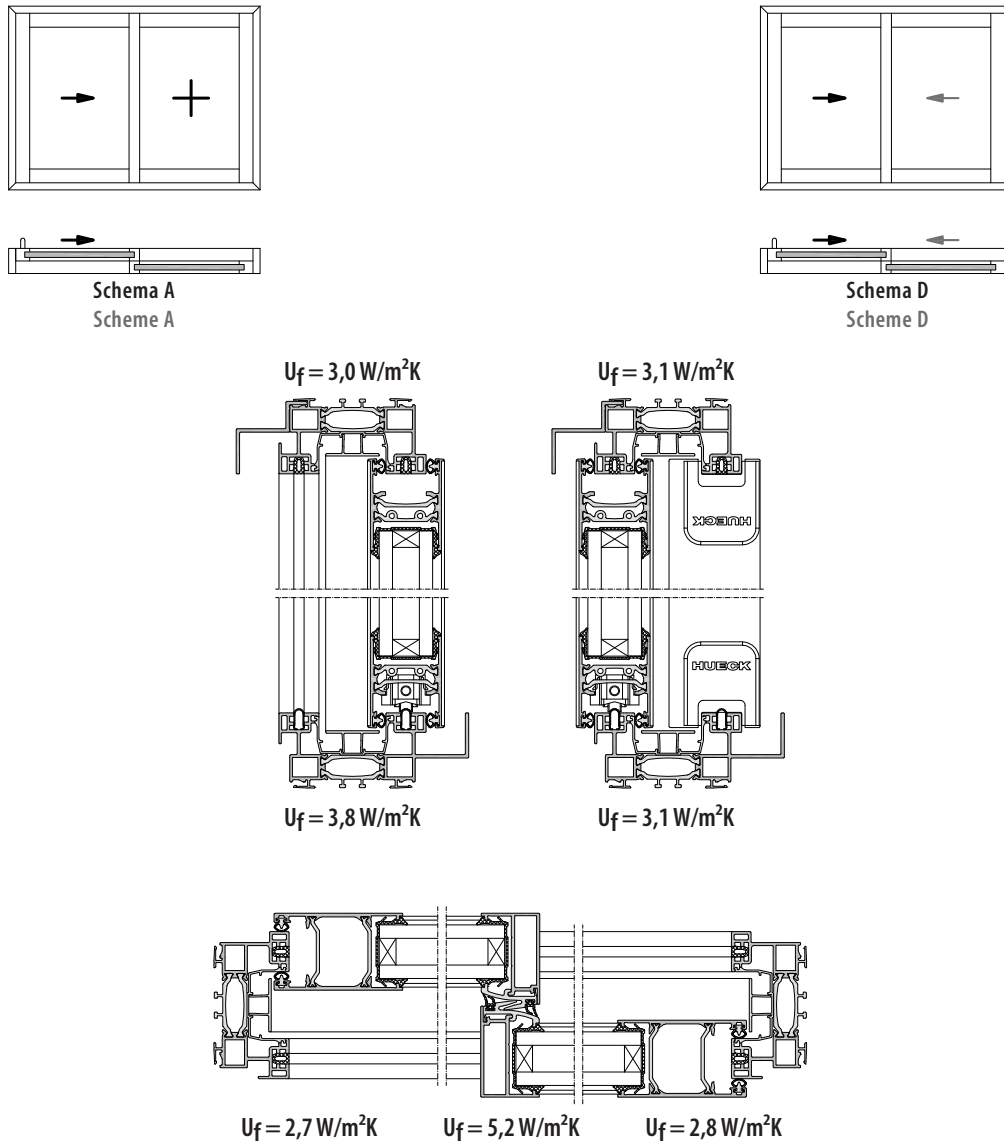
Schema Scheme	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
A1		<p><b>2-spurige Anlage mit 2 Feldern</b> Schiebeflügel links, Festflügel rechts Primärer Flügel nach links öffnend</p> <p>Double-tracked system with 2 fields Sliding sash left, fixed sash right Primary sash sliding to the left</p>
A2		<p><b>2-spurige Anlage mit 2 Feldern</b> 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>
D1		<p><b>2-spurige Anlage mit 2 Feldern</b> 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>
D2		<p><b>2-spurige Anlage mit 2 Feldern</b> 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>
C1		<p><b>2-spurige Anlage mit 4 Feldern</b> 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><b>2-spurige Anlage mit 4 Feldern</b> 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>

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

Schema Scheme	Schmales Labyrinth Narrow labyrinth	Beschreibung Description
F1		<p><b>2-spurige Anlage mit 4 Feldern</b> <b>4 Schiebeflügel</b> <b>Primärer Flügel mittig nach links öffnend</b></p> <p>Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the left</p>
F2		<p><b>2-spurige Anlage mit 4 Feldern</b> <b>4 Schiebeflügel</b> <b>Primärer Flügel mittig nach rechts öffnend</b></p> <p>Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the right</p>
E1		<p><b>3-spurige Anlage mit 3 Feldern</b> <b>2 Schiebeflügel, 1 Festflügel</b> <b>Primärer Flügel links, nach links öffnend</b></p> <p>Triple-tracked system with 3 fields 2 sliding sashes, 1 fixed sash Primary sash on the left side, sliding to the left</p>
E2		<p><b>3-spurige Anlage mit 3 Feldern</b> <b>2 Schiebeflügel, 1 Festflügel</b> <b>Primärer Flügel rechts, nach rechts öffnend</b></p> <p>Triple-tracked system with 3 fields 2 sliding sashes, 1 fixed sash Primary sash on the right side, sliding to the right</p>
L1		<p><b>3-spurige Anlage mit 6 Feldern</b> <b>4 Schiebeflügel, 2 Festflügel</b> <b>Primärer Flügel mittig nach links öffnend</b></p> <p>Triple-tracked system with 6 fields 4 sliding sashes, 2 fixed sash Primary sash in the middle sliding to the left</p>
L2		<p><b>3-spurige Anlage mit 6 Feldern</b> <b>4 Schiebeflügel, 2 Festflügel</b> <b>Primärer Flügel mittig nach rechts öffnend</b></p> <p>Triple-tracked system with 6 fields 4 sliding sashes, 2 fixed sash Primary sash in the middle sliding to the right</p>

SONDERSCHNITTE SPECIAL SECTIONS		
Schema Scheme	Piktogramm Pictogram	Schnittbereiche Section areas
Alle All		Fassadenanschluss Fascade connection
Alle All		Fensteranschluss Lambda WS 075 Window connection Lambda WS 075
Alle All		Statische Verstärkung Statlcal reinforcement

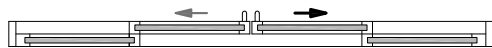
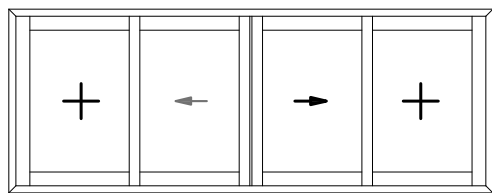




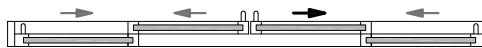
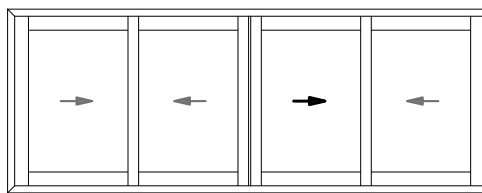
SCHEMA A + D  
SCHEMA A + D

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  $U_w$  ( $\epsilon = 0,1$ )

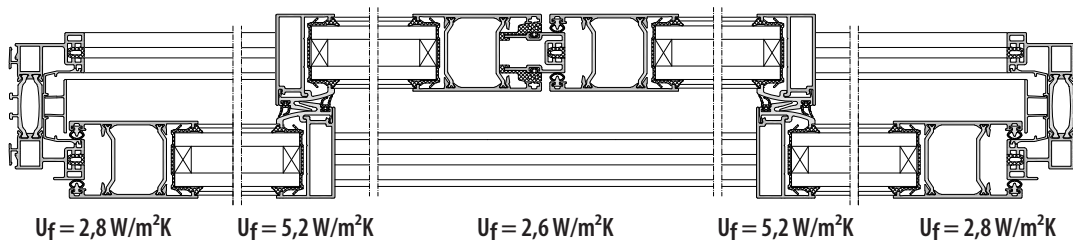
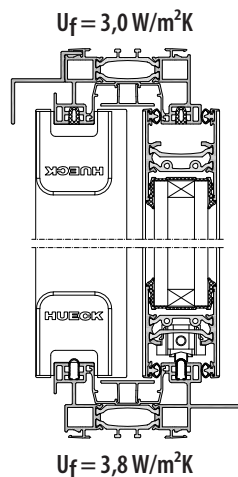
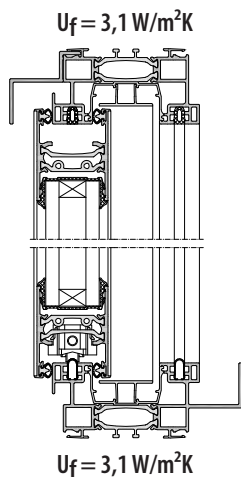
Variante Variant	Randverbund Glazing edge	$\Psi_g$ [W/mK]	Zweischeiben-Verglasung / Double glazing								$\Psi_g$ [W/mK]	Dreischeiben-Verglasung / Triple glazing				
			$U_g$ [W/m <sup>2</sup> K]									$U_g$ [W/m <sup>2</sup> K]				
			1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9		0,9	0,8	0,7	0,6	0,5
$U_w$ [W/m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



Schema C  
Scheme C



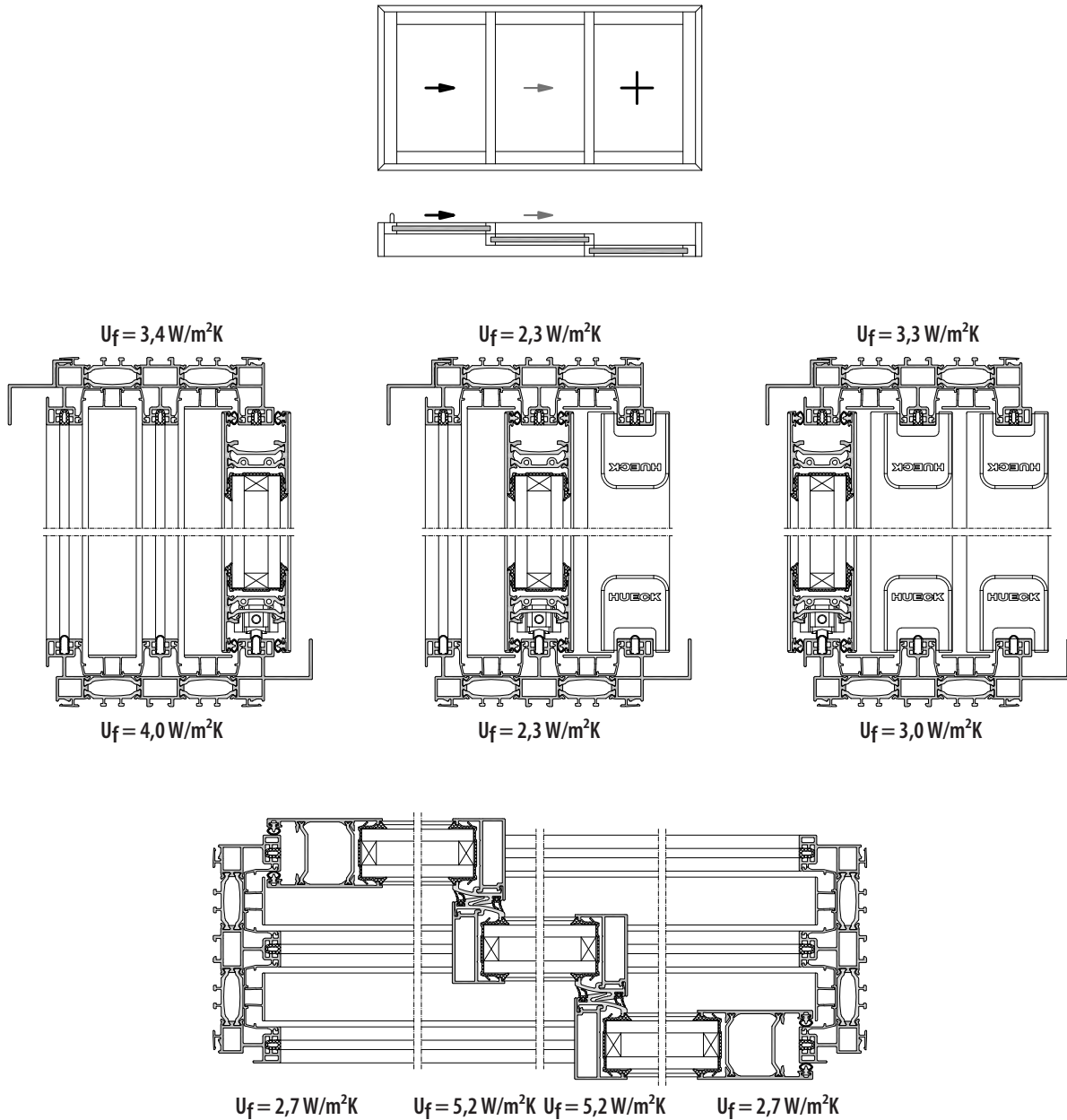
Schema F  
Scheme F



SCHEMA C + F  
SCHEME C + F

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  $U_w$  ( $\epsilon = 0,1$ )

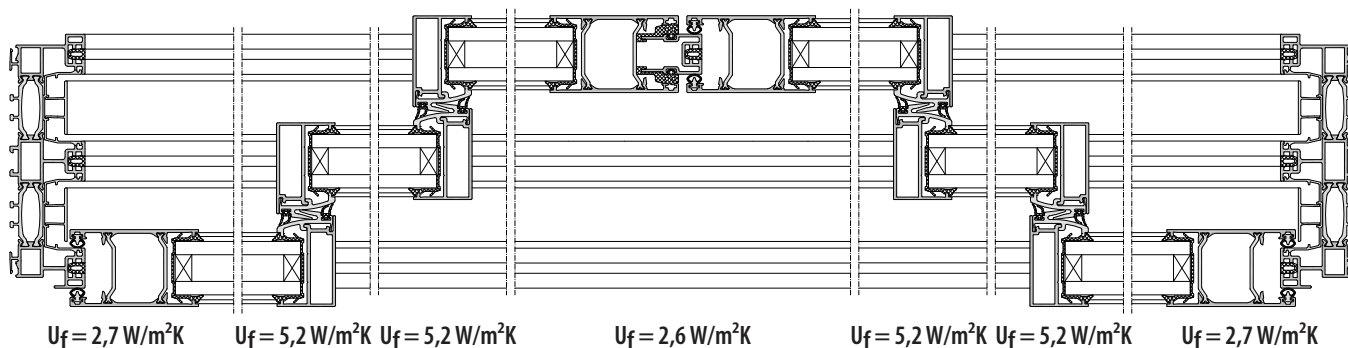
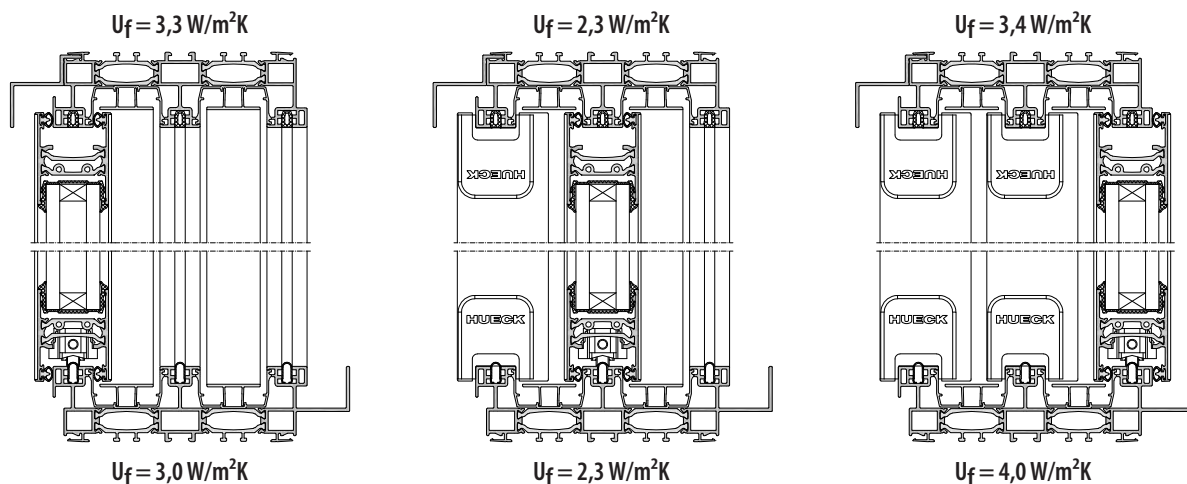
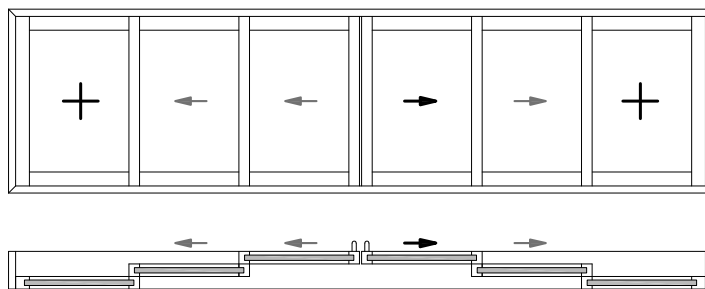
Variante Variant	Randverbund Glazing edge	$\Psi_g$ [W/mK]	Zweischeiben-Verglasung / Double glazing								$\Psi_g$ [W/mK]	Dreischeiben-Verglasung / Triple glazing						
			$U_g$ [W/m²K]									$U_g$ [W/m²K]						
			1,6	1,5	1,4	1,3	1,2	1,1	1,0	0,9				0,9	0,8	0,7	0,6	0,5
			$U_w$ [W/m²K]											$U_w$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



SCHEMA E  
SCHEME E

Berücksichtigte Elementgröße 4800 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten U<sub>w</sub> (ε = 0,1)  
Unit size of 4800 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients U<sub>w</sub> (ε = 0,1)

Variante Variant	Randverbund Glazing edge	Ψ <sub>g</sub> [W/mK]	Zweischeiben-Verglasung / Double glazing								Ψ <sub>g</sub> [W/mK]	Dreischeiben-Verglasung / Triple glazing				
			U <sub>g</sub> [W/m²K]									U <sub>g</sub> [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 <sub>w</sub> [W/m²K]											U <sub>w</sub> [W/m²K]					
eco	Aluminium	0,110	2,1	2,0	1,9	1,9	1,8	1,7	1,6	1,5	0,110	1,5	1,4	1,3	1,3	1,2
	Nirotec 015	0,062	2,1	2,0	1,9	1,9	1,8	1,7	1,6	1,5	0,058	1,5	1,4	1,3	1,3	1,2
	Thermix	0,050	2,1	2,0	1,9	1,9	1,8	1,7	1,6	1,5	0,045	1,5	1,4	1,3	1,3	1,2
	TPS	0,047	2,1	2,0	1,9	1,9	1,8	1,7	1,6	1,5	0,042	1,5	1,4	1,3	1,3	1,2
	Swisspacer V	0,039	2,1	2,0	1,9	1,9	1,8	1,7	1,6	1,5	0,034	1,5	1,4	1,3	1,3	1,2
Panel o. RV	0,000	2,1	2,0	1,9	1,9	1,8	1,7	1,6	1,5	0,000	1,5	1,4	1,3	1,3	1,2	



SCHEMA L  
SCHEME L

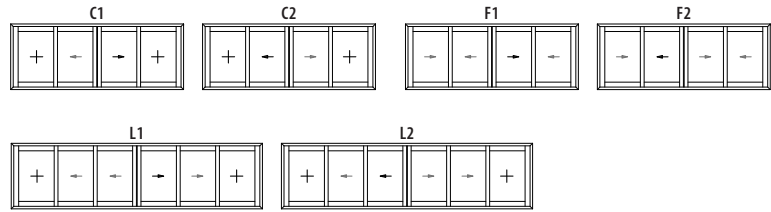
Berücksichtigte Elementgröße 4200 mm x 2200 mm für die Berechnung des Wärmedurchgangskoeffizienten  $U_w$  ( $\epsilon = 0,1$ )  
Unit size of 4200 mm x 2200 mm taken into account for the calculation of thermal transmission coefficients  $U_w$  ( $\epsilon = 0,1$ )

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

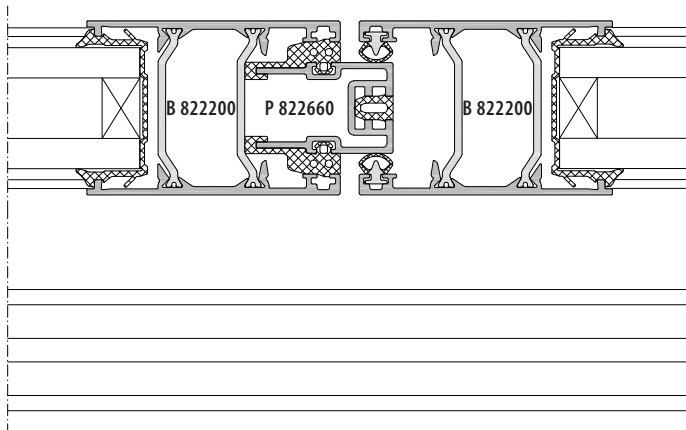
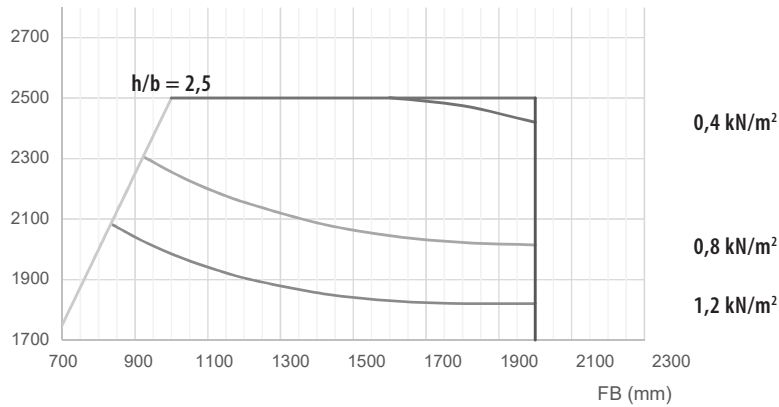


Durchbiegungsgrenze  $l / 200$  max. 15 mm nach DIN 18008  
ggf. abweichende Angaben der Isolierglashersteller beachten

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



FH (mm)



**Flügelgröße / Sash size**

	Breite / Width	Höhe / Height
min.	300 mm	300 mm*
max.	2000 mm Windlast / Wind load max. 0,4 kN/m²	2500 mm
	1600 mm Windlast / Wind load max. 1,2 kN/m²	

\* abhängig vom eingesetzten Schloss  
\* depending on the lock used

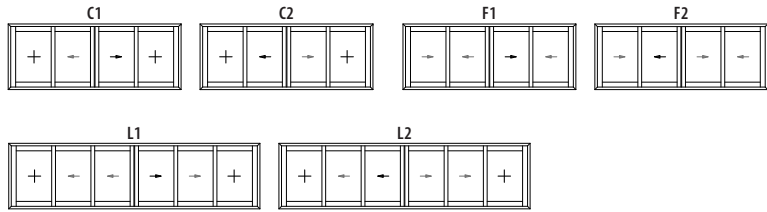


$h/b = 2,5 \triangleq$  Seitenverhältnis  
 $0,4 \text{ kN/m}^2 / 0,8 \text{ kN/m}^2 / 1,2 \text{ kN/m}^2 \triangleq$  Windlast

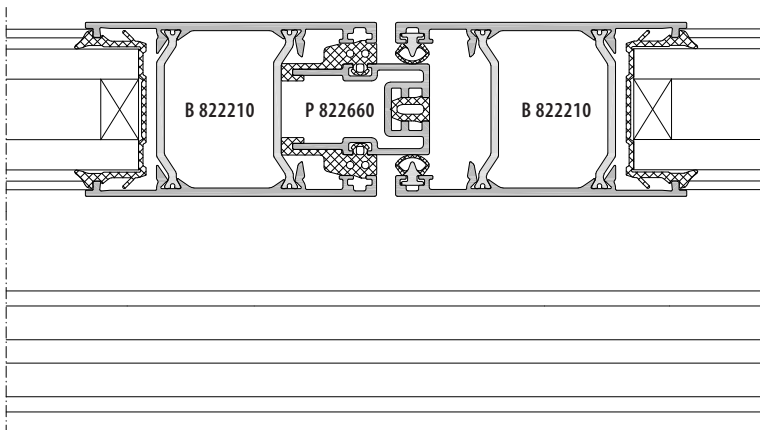
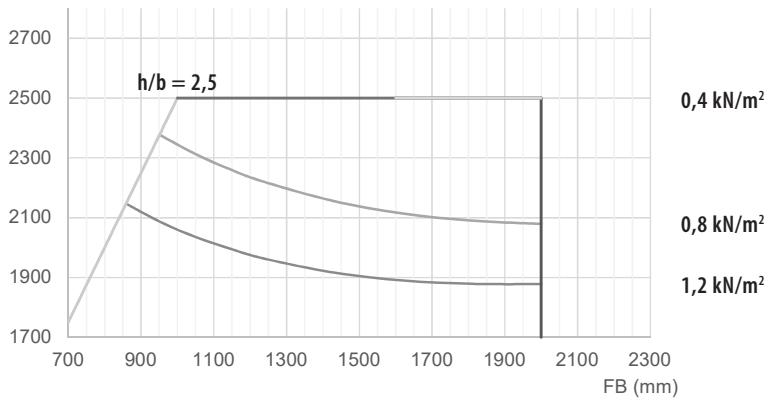
$h/b = 2,5 \triangleq$  Width-to-height ratio  
 $0,4 \text{ kN/m}^2 / 0,8 \text{ kN/m}^2 / 1,2 \text{ kN/m}^2 \triangleq$  Wind load

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

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



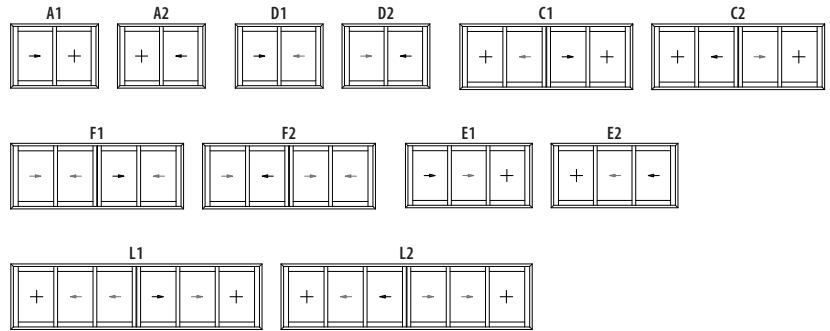
FH (mm)



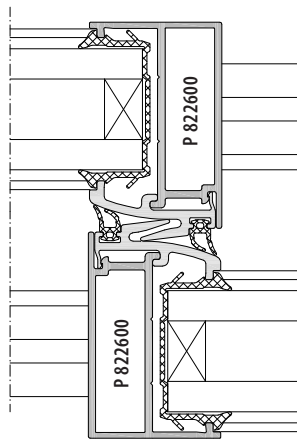
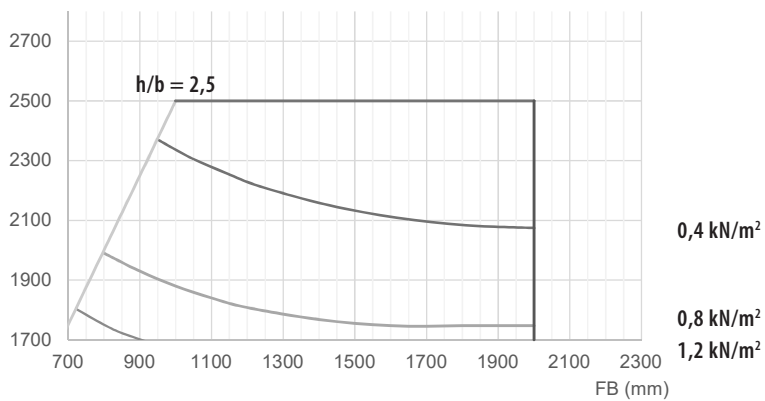
Flügelgröße / Sash size		
	Breite / Width	Höhe / Height
min.	300 mm	300 mm*
max.	2000 mm Windlast / Wind load max. 0,4 kN/m²	2500 mm
	1600 mm Windlast / Wind load max. 1,2 kN/m²	
* abhängig vom eingesetzten Schloss * depending on the lock used		

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

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



FH (mm)



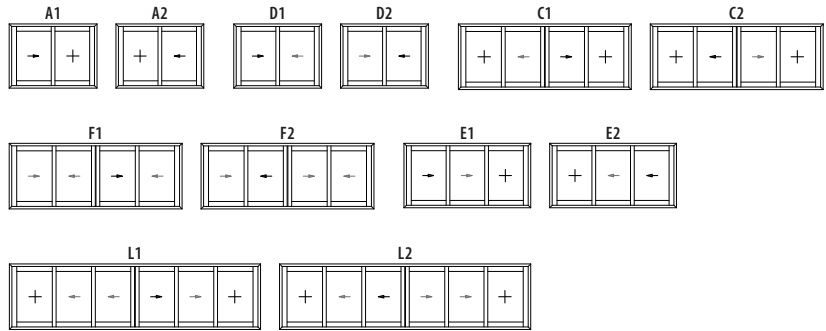
Flügelgröße / Sash size		
	Breite / Width	Höhe / Height
min.	300 mm	300 mm*
max.	2000 mm Windlast / Wind load max. 0,4 kN/m <sup>2</sup>	2500 mm
	1600 mm Windlast / Wind load max. 1,2 kN/m <sup>2</sup>	
* abhängig vom eingesetzten Schloss * depending on the lock used		

**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

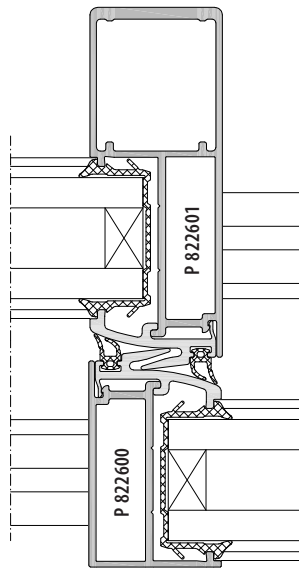
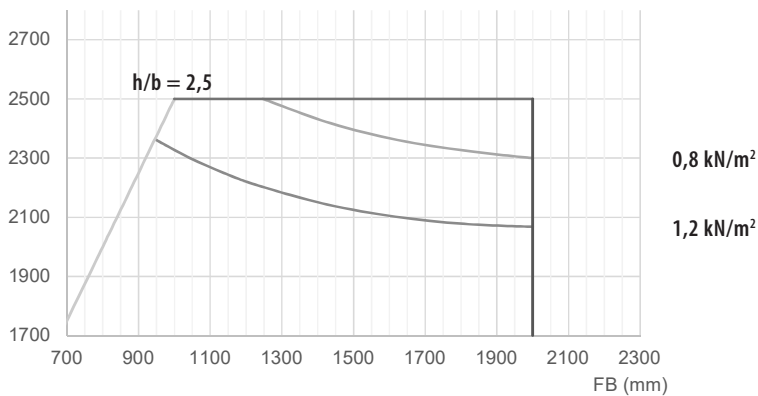
$h/b = 2,5 \triangleq$  Width-to-height ratio  
 $0,4 \text{ kN/m}^2 / 0,8 \text{ kN/m}^2 / 1,2 \text{ kN/m}^2 \triangleq$  Wind load

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

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



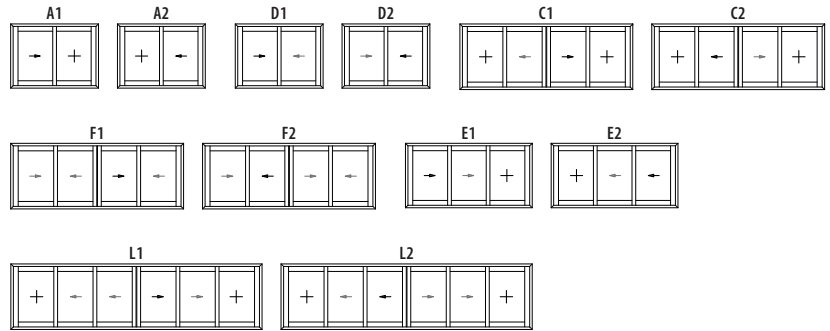
FH (mm)



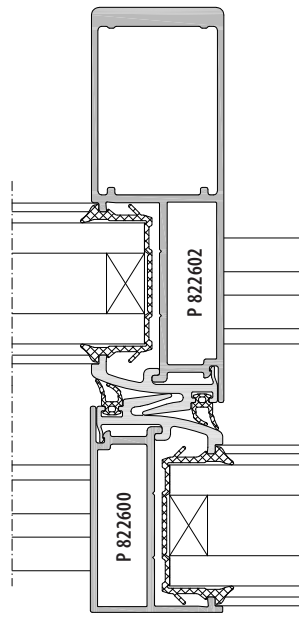
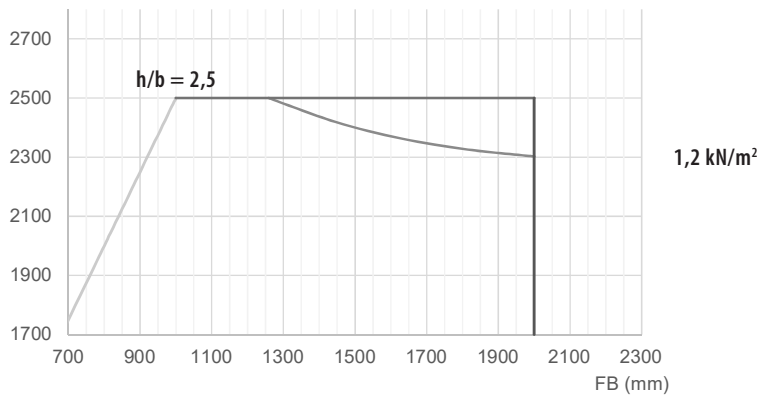
Flügelgröße / Sash size		
	Breite / Width	Höhe / Height
min.	300 mm	300 mm*
max.	2000 mm	Windlast / Wind load max. 0,4 kN/m <sup>2</sup>
	1600 mm	Windlast / Wind load max. 1,2 kN/m <sup>2</sup>
* abhängig vom eingesetzten Schloss * depending on the lock used		

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

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



FH (mm)



Flügelgröße / Sash size		
	Breite / Width	Höhe / Height
min.	300 mm	300 mm*
max.	2000 mm Windlast / Wind load max. 0,4 kN/m <sup>2</sup>	2500 mm
	1600 mm Windlast / Wind load max. 1,2 kN/m <sup>2</sup>	

\* abhängig vom eingesetzten Schloss  
\* depending on the lock used

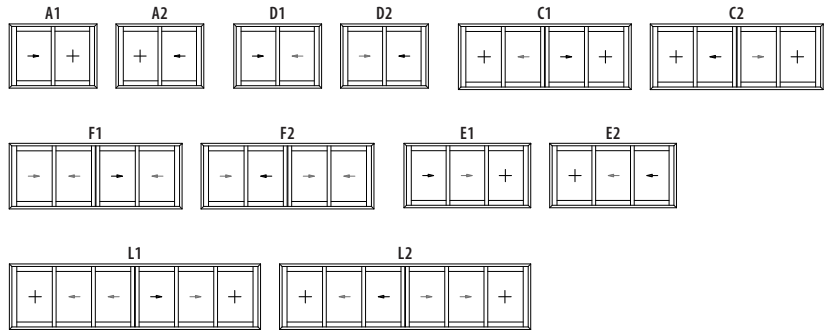


$h/b = 2,5 \triangleq$  Seitenverhältnis  
 $0,4 \text{ kN/m}^2 / 0,8 \text{ kN/m}^2 / 1,2 \text{ kN/m}^2 \triangleq$  Windlast

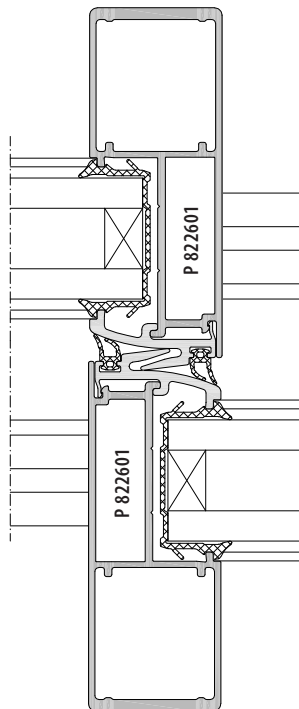
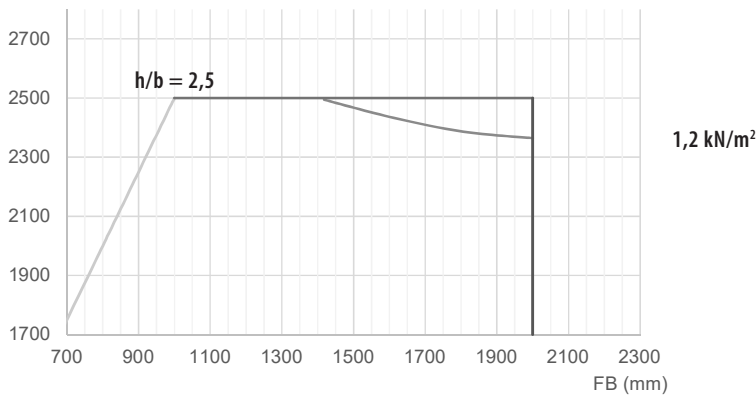
$h/b = 2,5 \triangleq$  Width-to-height ratio  
 $0,4 \text{ kN/m}^2 / 0,8 \text{ kN/m}^2 / 1,2 \text{ kN/m}^2 \triangleq$  Wind load

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

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



FH (mm)



Flügelgröße / Sash size		
	Breite / Width	Höhe / Height
min.	300 mm	300 mm*
max.	2000 mm	Windlast / Wind load max. 0,4 kN/m <sup>2</sup>
	1600 mm	Windlast / Wind load max. 1,2 kN/m <sup>2</sup>
* abhängig vom eingesetzten Schloss * depending on the lock used		

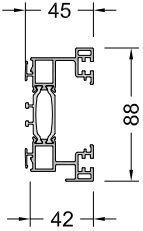
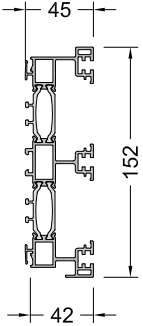
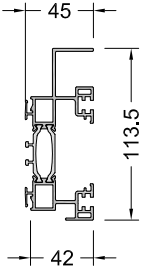
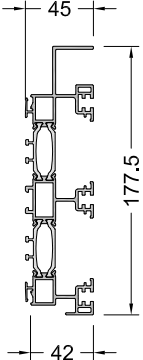
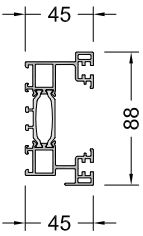
Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		$I_{x\text{eff}}(\text{cm}^4)$ effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, 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												
	<b>Blendrahmen 88/45/45</b>  Fixed frame 88/45/45	<b>B 822010</b>	6500	591	112	26	34	40	44	49	12	A2-7
	<b>Blendrahmen 152/45/45</b>  Fixed frame 152/45/45	<b>B 822011</b>	6500	940	131	103	136	160	177	198	18	A2-7
	<b>Blendrahmen 113.5/45/45</b>  Fixed frame 113.5/45/45	<b>B 822012</b>	6500	704	113	44	55	64	71	79	12	A2-8
	<b>Blendrahmen 177.5/45/45</b>  Fixed frame 177.5/45/45	<b>B 822013</b>	6500	1052	132	133	177	210	234	264	18	A2-8
	<b>Blendrahmen 88/45/45</b>  Fixed frame 88/45/45	<b>B 822020</b>	6500	584	120	27	34	40	44	49	12	A2-9

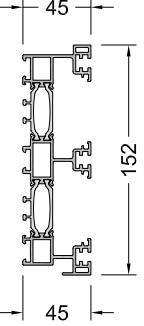
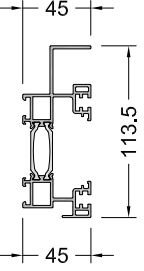
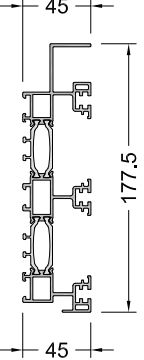
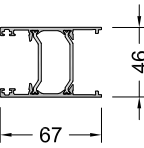
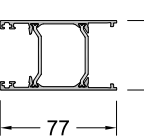
Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		$I_{x\text{ef}}(\text{cm}^4)$ effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category 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		
<b>BLENDRAHMEN / FIXED FRAMES</b>												
	<b>Blendrahmen 152/45/45</b>  Fixed frame 152/45/45	<b>B 822021</b>	6500	933	138	104	138	161	179	200	18	A2-9
	<b>Blendrahmen 113.5/45/45</b>  Fixed frame 113.5/45/45	<b>B 822022</b>	6500	669	120	44	56	65	71	80	13	A2-10
	<b>Blendrahmen 177.5/45/45</b>  Fixed frame 177.5/45/45	<b>B 822023</b>	6500	1046	139	134	178	211	235	266	19	A2-10
<b>FLÜGELPROFILE / SASH PROFILE</b>												
	<b>Schiebeflügel 46/67/--</b>  Sliding sash 46/67/--	<b>B 822200</b>	6500	399	134	8	10	12	13	14	12	A2-11
	<b>Schiebeflügel 46/77/--</b>  Sliding sash 46/77/--	<b>B 822210</b>	6500	419	154	9	11	13	14	15	19	A2-11



Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		$I_{x \text{ et } (cm^4)}$ 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		
<b>FLÜGELPROFILE / SASH PROFILE</b>												
	Schiebeflügel 46/55/42.5  Sliding sash 46/55/42.5	B 822201	6500	350	107	--	--	--	--	--	--	A2-12
	Schiebeflügel SL 35/54.5/--  Sliding sash SL 35/54.5/--	P 822600	6500	198	89	8	8	8	8	8	2	A2-12
	Statik Schiebeflügel SL 35/92.5/40  Static sliding sash SL 35/92.5/40	P 822601	6500	272	165	43	43	43	43	43	7	A2-13
	Statik Schiebeflügel SL 35/104.5/52  Static sliding sash SL 35/104.5/52	P 822602	6500	296	189	69	69	69	69	69	9	A2-13
<b>GLASANSCHLAG / GLASS STOPPER PROFILE</b>												
	Glasanschlag 25/5/--  Glass stopper profil 25/5/--	P 494570	6500	106	25	--	--	--	--	--	--	A2-14
<b>FENSTERBÄNKE / WINDOW SILL</b>												
	Fensterbank 105/15/12  Window sill 105/15/12	P 596445	6500	259	105	--	--	--	--	--	--	A2-14

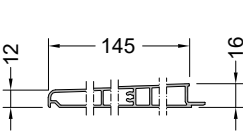
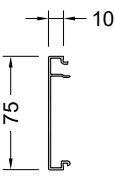
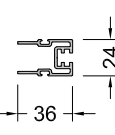
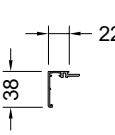
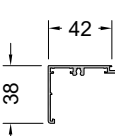
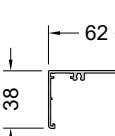
Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		I <sub>xef</sub> (cm <sup>4</sup> ) effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category W					I <sub>y</sub> (cm <sup>4</sup> ) I <sub>y</sub> (cm <sup>4</sup> )	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		
<b>FENSTERBÄNKE / WINDOW SILL</b>												
	Fensterbank 145/16/12 Window sill 145/16/12	P 596446	6500	340	145	--	--	--	--	--	--	A2-15
<b>ABDECKPROFILE / COVER PROFILES</b>												
	Abdeckprofil 10/75/-- Cover profile 10/75/--	P 496443	6500	242	75	--	--	--	--	--	--	A2-15
<b>ZUSATZPROFILE / SUPPLEMENTARY PROFILES</b>												
	Stoßprofil 24/36/-- Joint profile 24/36/--	P 822660	6500	274	--	--	--	--	--	--	--	A2-16
	Anschlussprofil 22/38/-- Attachment profile 22/38/--	P 496414	6500	180	60	--	--	--	--	--	--	A2-16
	Anschlussprofil 42/38/-- Attachment profile 42/38/--	P 496415	6500	232	80	--	--	--	--	--	--	A2-17
	Anschlussprofil 62/38/-- Attachment profile 62/38/--	P 496416	6500	267	100	--	--	--	--	--	--	A2-17

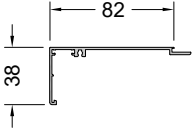
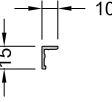
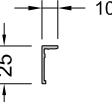
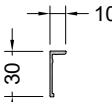
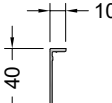
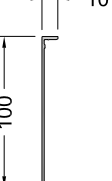
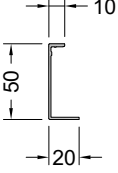
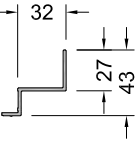
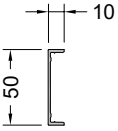
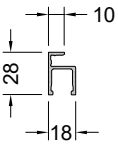

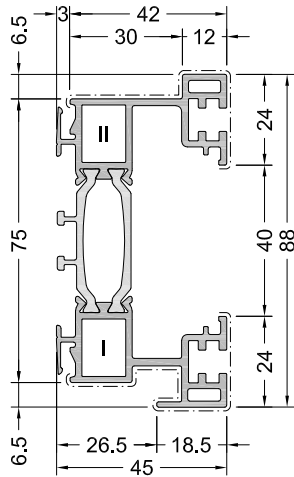
Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		$I_{x,ef}$ (cm <sup>4</sup> ) effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category W					$I_y$ (cm <sup>4</sup> ) $I_y$ (cm <sup>4</sup> )	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		
<b>ZUSATZPROFILE / SUPPLEMENTARY PROFILES</b>												
	<b>Anschlussprofil 82/38/--</b>  Attachment profile 82/38/--	<b>P 496417</b>	6500	307	120	--	--	--	--	--	--	<b>A2-18</b>
	<b>Wandanschlussprofil 15/10/--</b>  Wall attachment profile 15/10/--	<b>P 496428</b>	6500	53	16	--	--	--	--	--	--	<b>A2-18</b>
	<b>Wandanschlussprofil 25/10/--</b>  Wall attachment profile 25/10/--	<b>P 496429</b>	6500	73	26	--	--	--	--	--	--	<b>A2-19</b>
	<b>Wandanschlussprofil 30/10/--</b>  Wall attachment profile 30/10/--	<b>P 496430</b>	6500	83	31	--	--	--	--	--	--	<b>A2-19</b>
	<b>Wandanschlussprofil 40/10/--</b>  Wall attachment profile 40/10/--	<b>P 496431</b>	6500	103	41	--	--	--	--	--	--	<b>A2-20</b>
	<b>Wandanschlussprofil 100/10/--</b>  Wall attachment profile 100/10/--	<b>P 496432</b>	6500	223	101	--	--	--	--	--	--	<b>A2-20</b>














Abbildung Illustration	Bezeichnung Designation	Art.-Nr. Art. no.	Liefer- länge (mm) Stock length (mm)	Abwicklung (mm) Circumference of profiles (mm)		I <sub>xef</sub> (cm <sup>4</sup> ) effektives Flächenträgheitsmoment nach DIN EN 14024, Kategorie W effective moment of inertia according to DIN EN 14024, category W					I <sub>y</sub> (cm <sup>4</sup> ) I <sub>y</sub> (cm <sup>4</sup> )	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		
<b>ZUSATZPROFIL / SUPPLEMENTARY PROFILES</b>												
	<b>Wandanschlussprofil 50/10/20</b>  Wall attachment profile 50/10/20	P 496433	6500	158	51	--	--	--	--	--	--	A2-21
	<b>Zusatzprofil 43/27/32</b>  Supplementary profile 43/27/32	P 496456	6500	170	129	--	--	--	--	--	--	A2-21
	<b>Verbindungsprofil 50/10/--</b>  Connection profile 50/10/--	P 496435	6500	138	51	--	--	--	--	--	--	A2-22
	<b>Aufnahmeprofil für Dehnungsstoss 28/18/10</b>  Receiving profile for expansion butt joint 28/18/10	P 496436	6500	145	29	--	--	--	--	--	--	A2-22


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN 88/45/45 FIXED FRAME 88/45/45	<b>B 822010</b>	6500	591	112

Maßstab / Scale 1:2

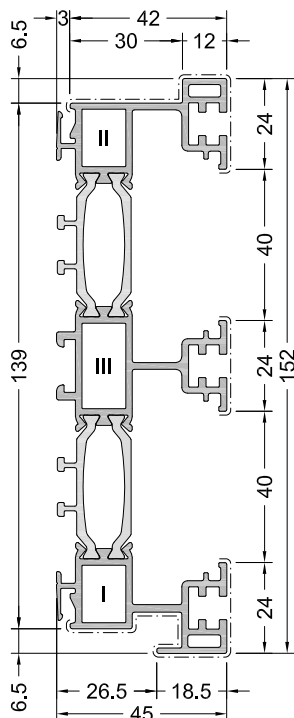


PROFILZUBEHÖR / PROFILE ACCESSORIES













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 921087	Z 921087
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911513	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	--	--	--
 Klotzbrücke Glazing bridge	--	--	--


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN 152/45/45 FIXED FRAME 152/45/45	<b>B 822011</b>	6500	940	131

Maßstab / Scale 1:2

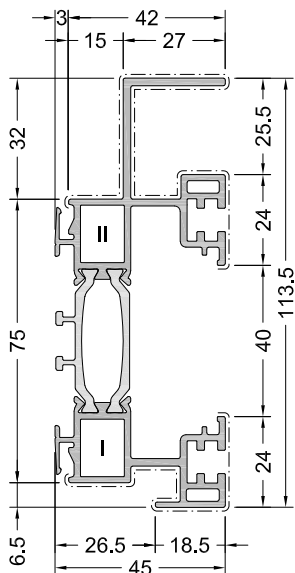


PROFILZUBEHÖR / PROFILE ACCESSORIES














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 921087	Z 921087
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Eckverbinder / Corner cleat Kammer (III) Mitte Chamber (III) Center	20	Z 923051	
 Stift Nail	100	Z 911513	Z 911513
 Aussteifungswinkel Corner strengthening piece	--	--	--
 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	--	--	--
 Klotzbrücke Glazing bridge	--	--	--


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN 113.5/45/45 FIXED FRAME 113.5/45/45	<b>B 822012</b>	6500	704	113

Maßstab / Scale 1:2

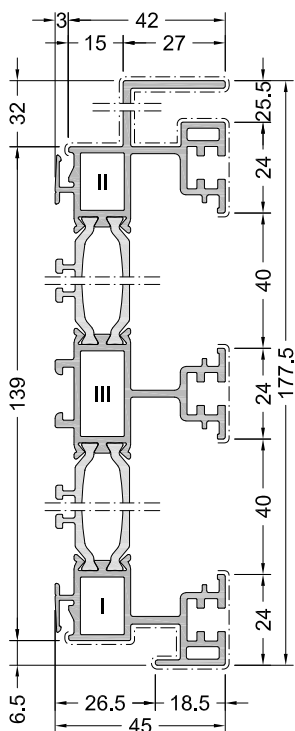


PROFILZUBEHÖR / PROFILE ACCESSORIES













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 921087	Z 921087
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911513	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	--	--	--
 Klotzbrücke Glazing bridge	--	--	--


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN 177.5/45/45 FIXED FRAME 177.5/45/45	<b>B 822013</b>	6500	1052	132

Maßstab / Scale 1:2

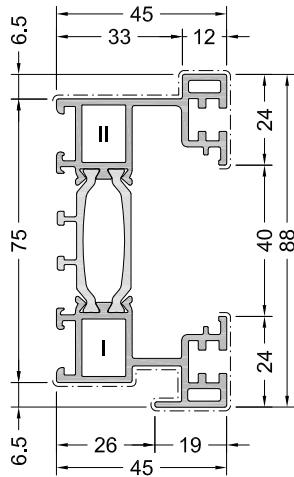


PROFILZUBEHÖR / PROFILE ACCESSORIES














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 921087	Z 921087
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Eckverbinder / Corner cleat Kammer (III) Mitte Chamber (III) Center	20	Z 923051	
 Stift Nail	100	Z 911513	Z 911513
 Aussteifungswinkel Corner strengthening piece	--	--	--
 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	--	--	--
 Klotzbrücke Glazing bridge	--	--	--


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN 88/45/45 FIXED FRAME 88/45/45	<b>B 822020</b>	6500	584	120

Maßstab / Scale 1:2

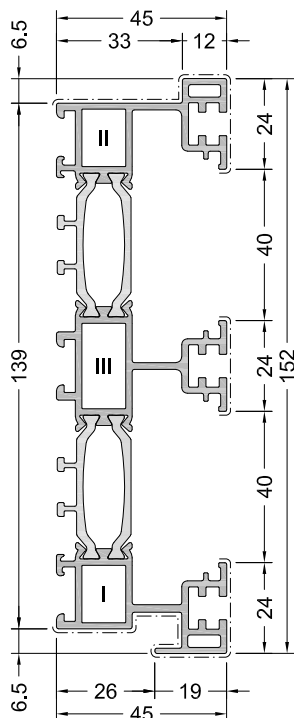


PROFILZUBEHÖR / PROFILE ACCESSORIES













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 921087	Z 921087
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911513	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	--	--	--
 Klotzbrücke Glazing bridge	--	--	--


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN 152/45/45 FIXED FRAME 152/45/45	<b>B 822021</b>	6500	933	138

Maßstab / Scale 1:2

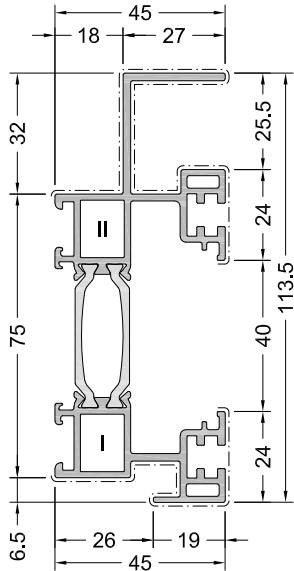


PROFILZUBEHÖR / PROFILE ACCESSORIES














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 921087	Z 921087
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Eckverbinder / Corner cleat Kammer (III) Mitte Chamber (III) Center	20	Z 923051	
 Stift Nail	100	Z 911513	Z 911513
 Aussteifungswinkel Corner strengthening piece	--	--	--
 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	--	--	--
 Klotzbrücke Glazing bridge	--	--	--


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN 113.5/45/45 FIXED FRAME 113.5/45/45	<b>B 822022</b>	6500	669	120

Maßstab / Scale 1:2

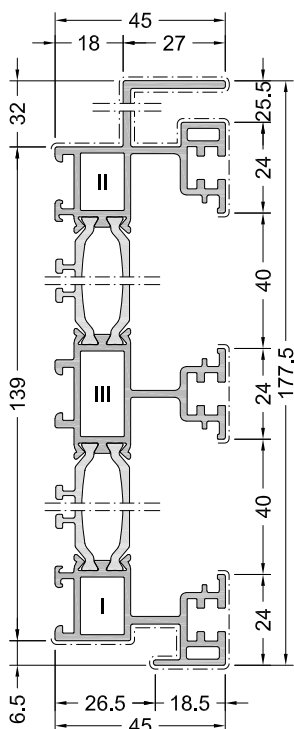


PROFILZUBEHÖR / PROFILE ACCESSORIES













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 921087	Z 921087
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Stift Nail	100	Z 911513	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	--	--	--
 Klotzbrücke Glazing bridge	--	--	--

Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 BLENDRAHMEN 177.5/45/45 FIXED FRAME 177.5/45/45	<b>B 822023</b>	6500	1046	139


Maßstab / Scale 1:2



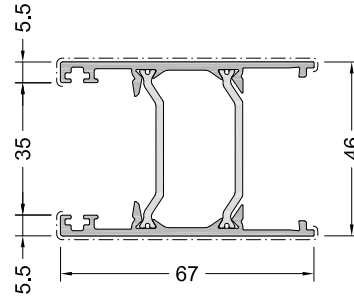
PROFILZUBEHÖR / PROFILE ACCESSORIES


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 921087	Z 921087
 Eckverbinder, verstellbar Corner cleat, adjustable	--	--	--
 Eckverbinder / Corner cleat Kammer (III) Mitte Chamber (III) Center	20	Z 923051	
 Stift Nail	100	Z 911513	Z 911513
 Aussteifungswinkel Corner strengthening piece	--	--	--
 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	--	--	--
 Klotzbrücke Glazing bridge	--	--	--



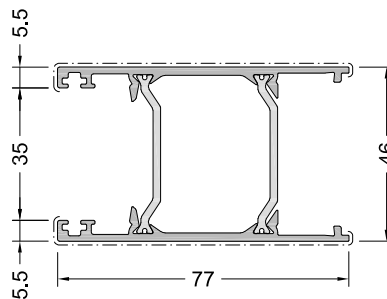
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 SCHIEBEFLÜGEL 46/67/-- SLIDING SASH 46/67/--	<b>B 822200</b>	6500	399	134


Maßstab / Scale 1:2



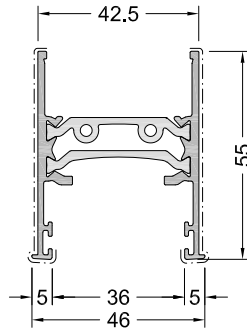
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 SCHIEBEFLÜGEL 46/77/-- SLIDING SASH 46/77/--	<b>B 822210</b>	6500	419	154


Maßstab / Scale 1:2



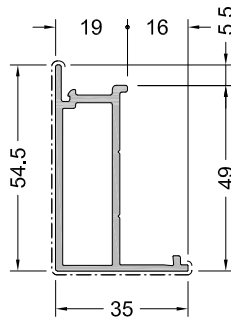
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfd. / total	mech. / mech.	
 SCHIEBEFLÜGEL 46/55/42.5 SLIDING SASH 46/55/42.5	<b>B 822201</b>	6500	350	107	


Maßstab / Scale 1:2



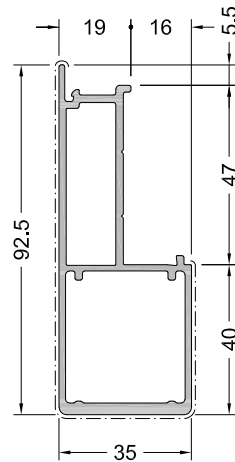
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfd. / total	mech. / mech.	
 SCHIEBEFLÜGEL SL 35/54.5/-- SLIDING SASH SL 35/54.5/--	<b>P 822600</b>	6500	198	89	


Maßstab / Scale 1:2



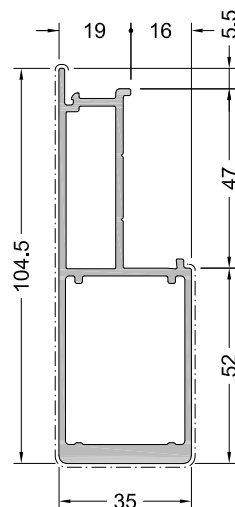
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 STATIK SCHIEBEFLÜGEL SL 35/92.5/40 STATIC SLIDING SASH SL 35/92.5/40	<b>P 822601</b>	6500	272	165

Maßstab / Scale 1:2



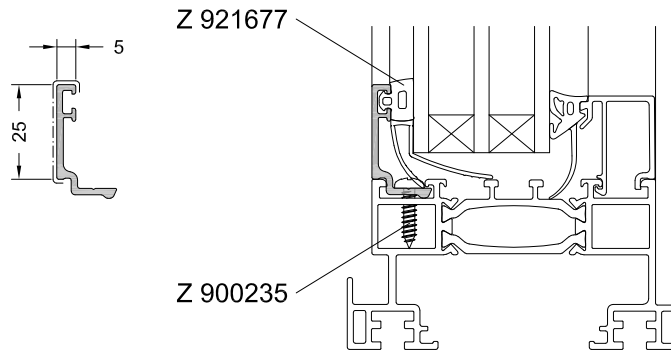
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umfld. / total	mech. / mech.
 STATIK SCHIEBEFLÜGEL SL 35/104.5/52 STATIC SLIDING SASH SL 35/104.5/52	<b>P 822602</b>	6500	296	189

Maßstab / Scale 1:2



Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfd. / total	mech. / mech.	
GLASANSCHLAG 25/5/-- GLAS STOPPER PROFIL 25/5/--	<b>P 494570</b>	6500	106	25	

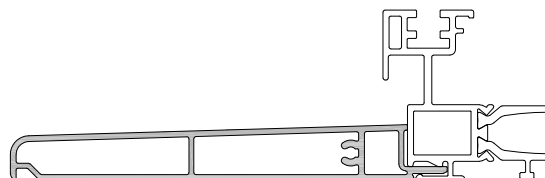
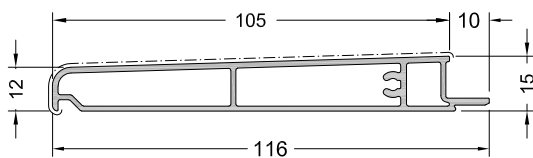
Maßstab / Scale 1:2




**i** Alle 150 mm mit Ø 4 mm gelocht! Punched every 150 mm with Ø 4 mm!

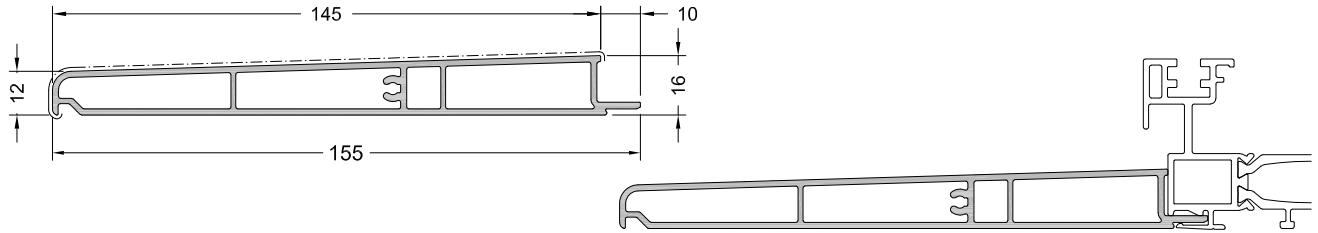
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfd. / total	mech. / mech.	
FENSTERBANK 105/15/12 WINDOW SILL 105/15/12	<b>P 596445</b>	6500	259	105	


Maßstab / Scale 1:2



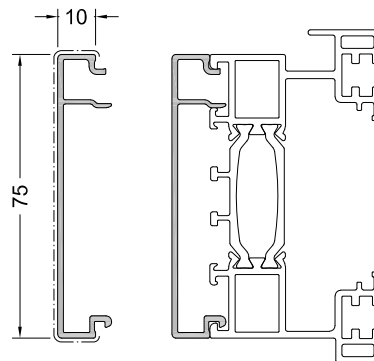
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umlfd. / total	mech. / mech.
 FENSTERBANK 145/16/12 WINDOW SILL 145/16/12	<b>P 596446</b>	6500	340	145

Maßstab / Scale 1:2



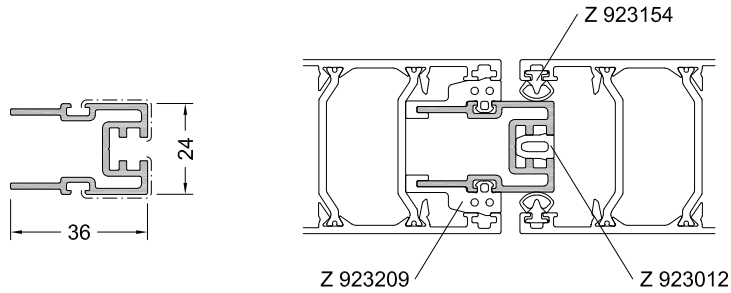
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umlfd. / total	mech. / mech.
 ABDECKPROFIL 10/75/-- COVER PROFILE 10/75/--	<b>P 496443</b>	6500	242	75

Maßstab / Scale 1:2



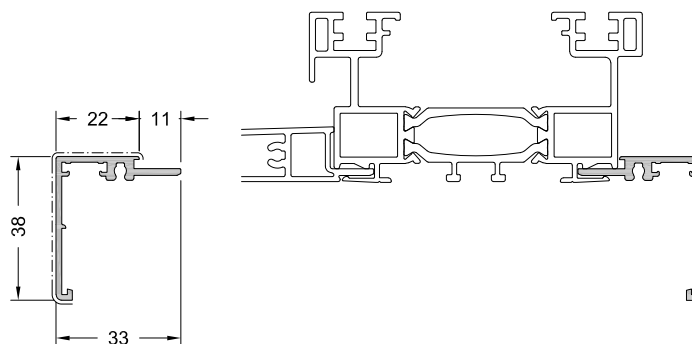
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfd. / total	mech. / mech.	
STOSSPROFIL 24/36/-- JOINT PROFILE 24/36/--	<b>P 822660</b>	6500	274	--	

Maßstab / Scale 1:2



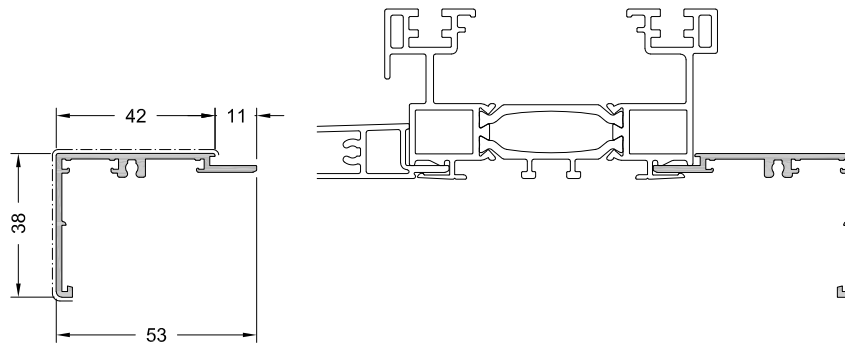
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
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ANSCHUSSPROFIL 22/38/-- ATTACHMENT PROFILE 22/38/--	<b>P 496414</b>	6500	180	60	

Maßstab / Scale 1:2



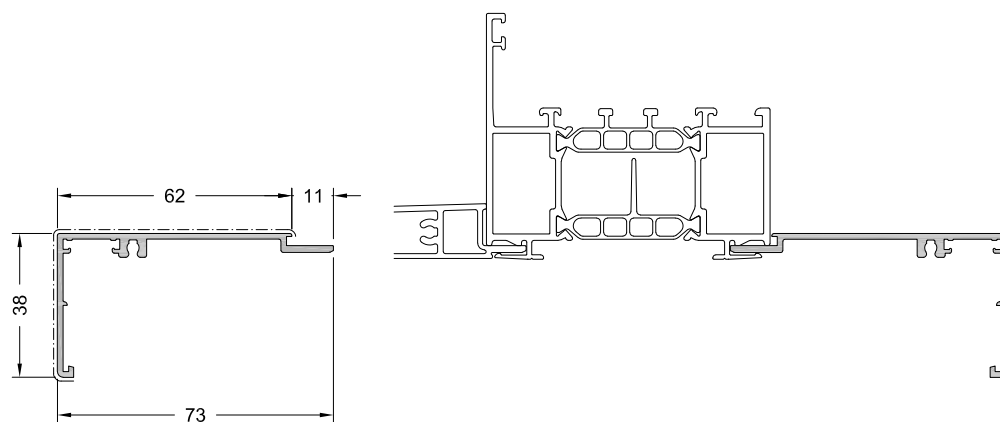
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
			umlfd. / total	mech. / mech.
ANSCHLUSSPROFIL 42/38/-- ATTACHMENT PROFILE 42/38/--	<b>P 496415</b>	6500	232	80

Maßstab / Scale 1:2



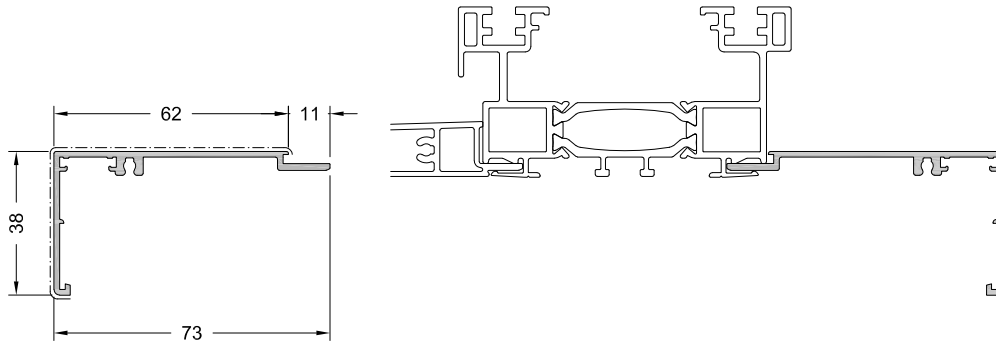
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)	
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ANSCHLUSSPROFIL 62/38/-- ATTACHMENT PROFILE 62/38/--	<b>P 496416</b>	6500	267	100

Maßstab / Scale 1:2



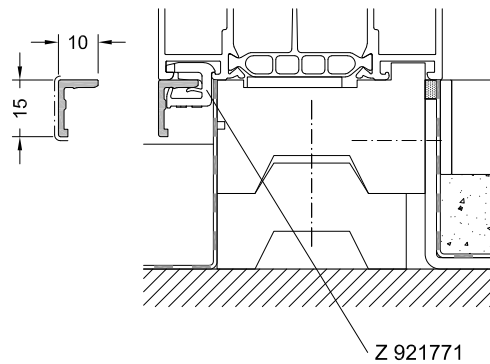
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfd. / total	mech. / mech.	
ANSCHLUSSPROFIL 82/38/-- ATTACHMENT PROFILE 82/38/--	<b>P 496417</b>	6500	307	120	

Maßstab / Scale 1:2




Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfd. / total	mech. / mech.	
WANDANSCHLUSSPROFIL 15/10/-- WALL ATTACHMENT PROFILE 15/10/--	<b>P 496428</b>	6500	53	16	

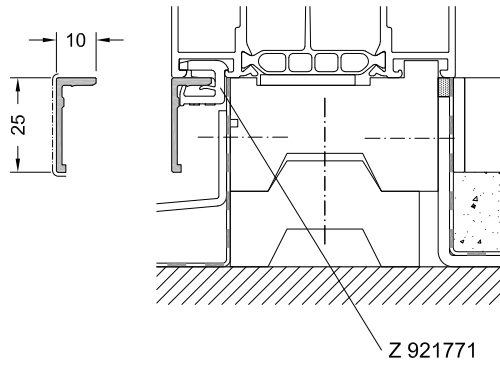
Maßstab / Scale 1:2






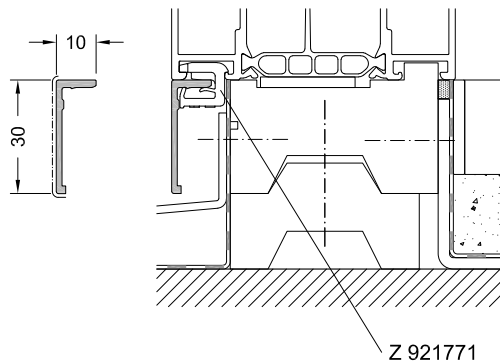
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umlfd. / total	mech. / mech.	
 WANDANSCHLUSSPROFIL 25/10/-- WALL ATTACHMENT PROFILE 25/10/--	<b>P 496429</b>	6500	73	26	


Maßstab / Scale 1:2



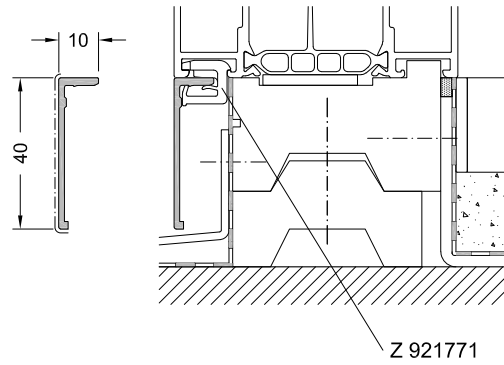
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umlfd. / total	mech. / mech.	
 WANDANSCHLUSSPROFIL 30/10/-- WALL ATTACHMENT PROFILE 30/10/--	<b>P 496430</b>	6500	83	31	


Maßstab / Scale 1:2



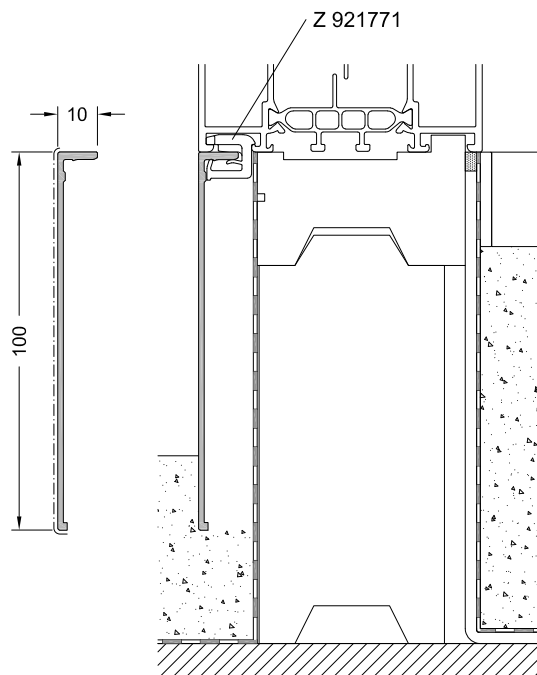
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfd. / total	mech. / mech.	
 WANDANSCHLUSSPROFIL 40/10/-- WALL ATTACHMENT PROFILE 40/10/--	<b>P 496431</b>	6500	103	41	


Maßstab / Scale 1:2



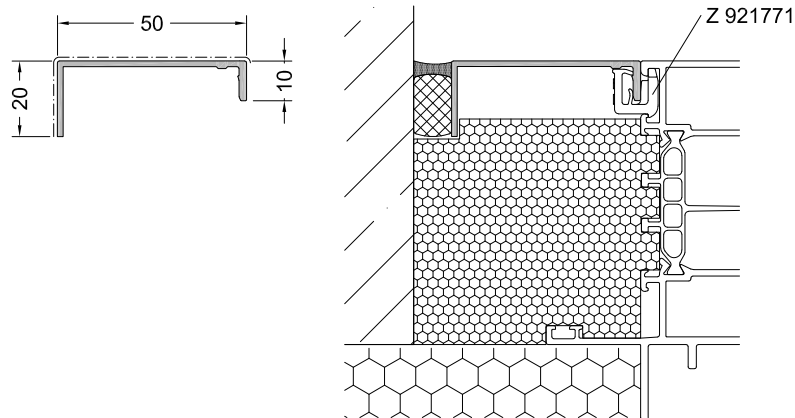
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfd. / total	mech. / mech.	
 WANDANSCHLUSSPROFIL 100/10/-- WALL ATTACHMENT PROFILE 100/10/--	<b>P 496432</b>	6500	223	101	


Maßstab / Scale 1:2



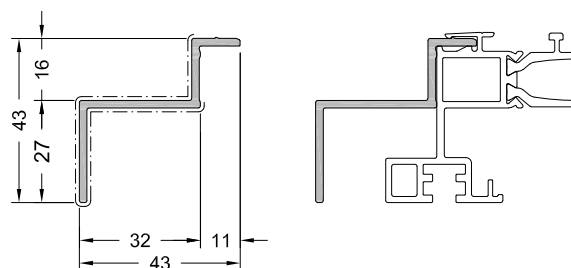
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umlfd. / total	mech. / mech.	
 WANDANSCHLUSSPROFIL 50/10/20 WALL ATTACHMENT PROFILE 50/10/20	<b>P 496433</b>	6500	158	51	


Maßstab / Scale 1:2



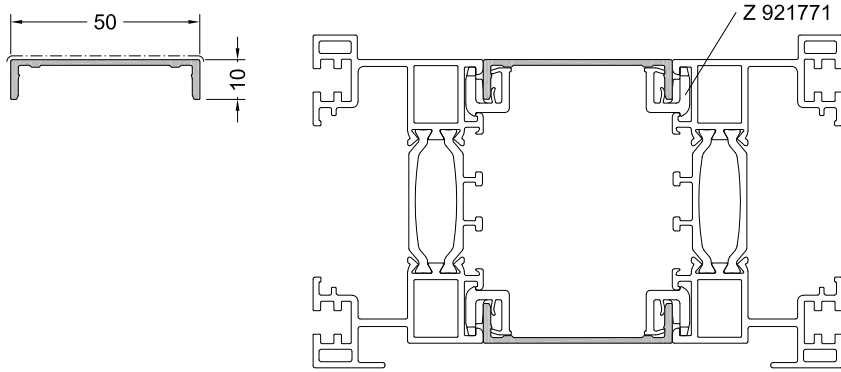
Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umlfd. / total	mech. / mech.	
 ZUSATZPROFIL 43/27/32 SUPPLEMENTARY PROFILE 43/27/32	<b>P 496456</b>	6500	170	129	


Maßstab / Scale 1:2



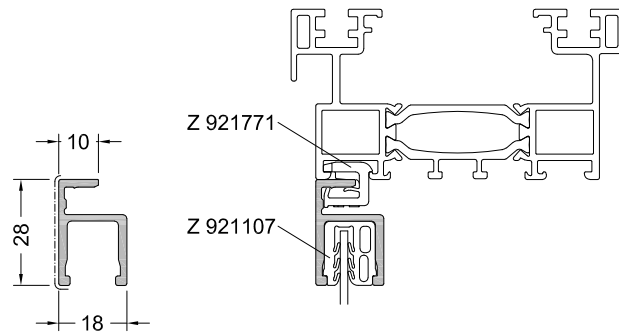
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			umfld. / total	mech. / mech.	
 VERBINDUNGSPROFIL 50/10/-- CONNECTION PROFILE 50/10/--	<b>P 496435</b>	6500	138	51	

Maßstab / Scale 1:2

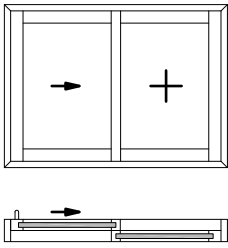
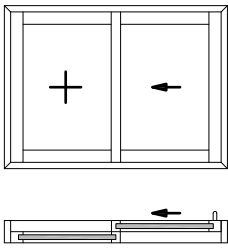
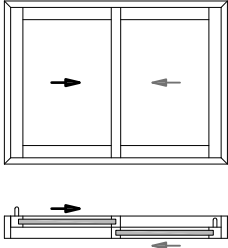
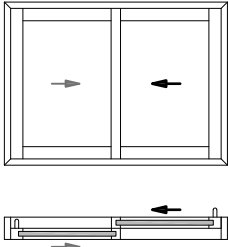
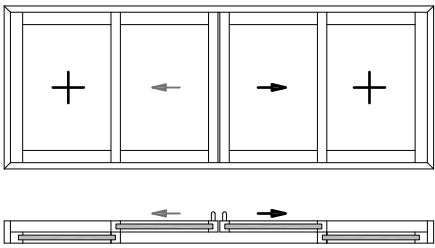
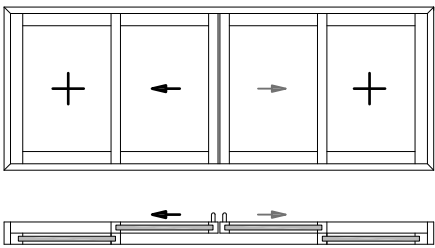


Artikelbezeichnung Article description	Art. Nr. Art. no.	Lieferlänge (mm) Stock length (mm)	Abwicklung (mm) Circumference (mm)		
			umfld. / total	mech. / mech.	
 AUFNAHMEPROFIL FÜR DEHNUNGSSTOSS 28/18/10 RECEIVING PROFILE FOR EXPANSION BUTT JOINT 28/18/10	<b>P 496436</b>	6500	145	29	

Maßstab / Scale 1:2



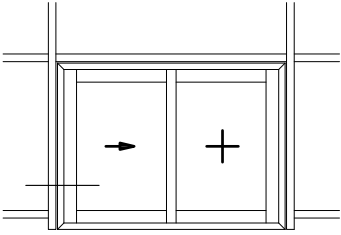
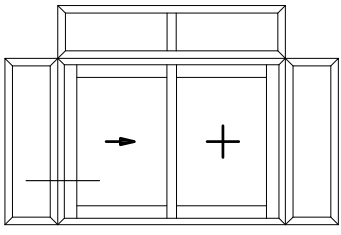
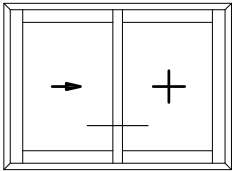
SCHEMA-ÜBERSICHT (ANSICHT VON AUSSEN)  
OVERVIEW OF SCHEMES (VIEW FROM THE OUTSIDE)

Schema Scheme	Schmales Labyrinth Narrow labyrinth	Beschreibung Description	Schnitte / Sections ab / from bis / to	
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>	A3-4	A3-9
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>	A3-4	A3-9
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>	A3-4	A3-9
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>	A3-4	A3-9
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>	A3-10	A3-15
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>	A3-10	A3-15

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

Schema Scheme	Schmales Labyrinth Narrow labyrinth	Beschreibung Description	Schnitte / Sections ab / from bis / to	
F1		<p><b>2-spurige Anlage mit 4 Feldern</b> <b>4 Schiebeflügel</b> <b>Primärer Flügel mittig nach links öffnend</b></p> <p>Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the left</p>	A3-10	A3-15
F2		<p><b>2-spurige Anlage mit 4 Feldern</b> <b>4 Schiebeflügel</b> <b>Primärer Flügel mittig nach rechts öffnend</b></p> <p>Double-tracked system with 4 fields 4 sliding sashes Primary sash in the middle sliding to the right</p>	A3-10	A3-15
E1		<p><b>3-spurige Anlage mit 3 Feldern</b> <b>2 Schiebeflügel, 1 Festflügel</b> <b>Primärer Flügel links, nach links öffnend</b></p> <p>Triple-tracked system with 3 fields 2 sliding sashes, 1 fixed sash Primary sash on the left side, sliding to the left</p>	A3-16	A3-22
E2		<p><b>3-spurige Anlage mit 3 Feldern</b> <b>2 Schiebeflügel, 1 Festflügel</b> <b>Primärer Flügel rechts, nach rechts öffnend</b></p> <p>Triple-tracked system with 3 fields 2 sliding sashes, 1 fixed sash Primary sash on the right side, sliding to the right</p>	A3-16	A3-22
L1		<p><b>3-spurige Anlage mit 6 Feldern</b> <b>4 Schiebeflügel, 2 Festflügel</b> <b>Primärer Flügel mittig nach links öffnend</b></p> <p>Triple-tracked system with 6 fields 4 sliding sashes, 2 fixed sash Primary sash in the middle sliding to the left</p>	A3-24	A3-30
L2		<p><b>3-spurige Anlage mit 6 Feldern</b> <b>4 Schiebeflügel, 2 Festflügel</b> <b>Primärer Flügel mittig nach rechts öffnend</b></p> <p>Triple-tracked system with 6 fields 4 sliding sashes, 2 fixed sash Primary sash in the middle sliding to the right</p>	A3-24	A3-30

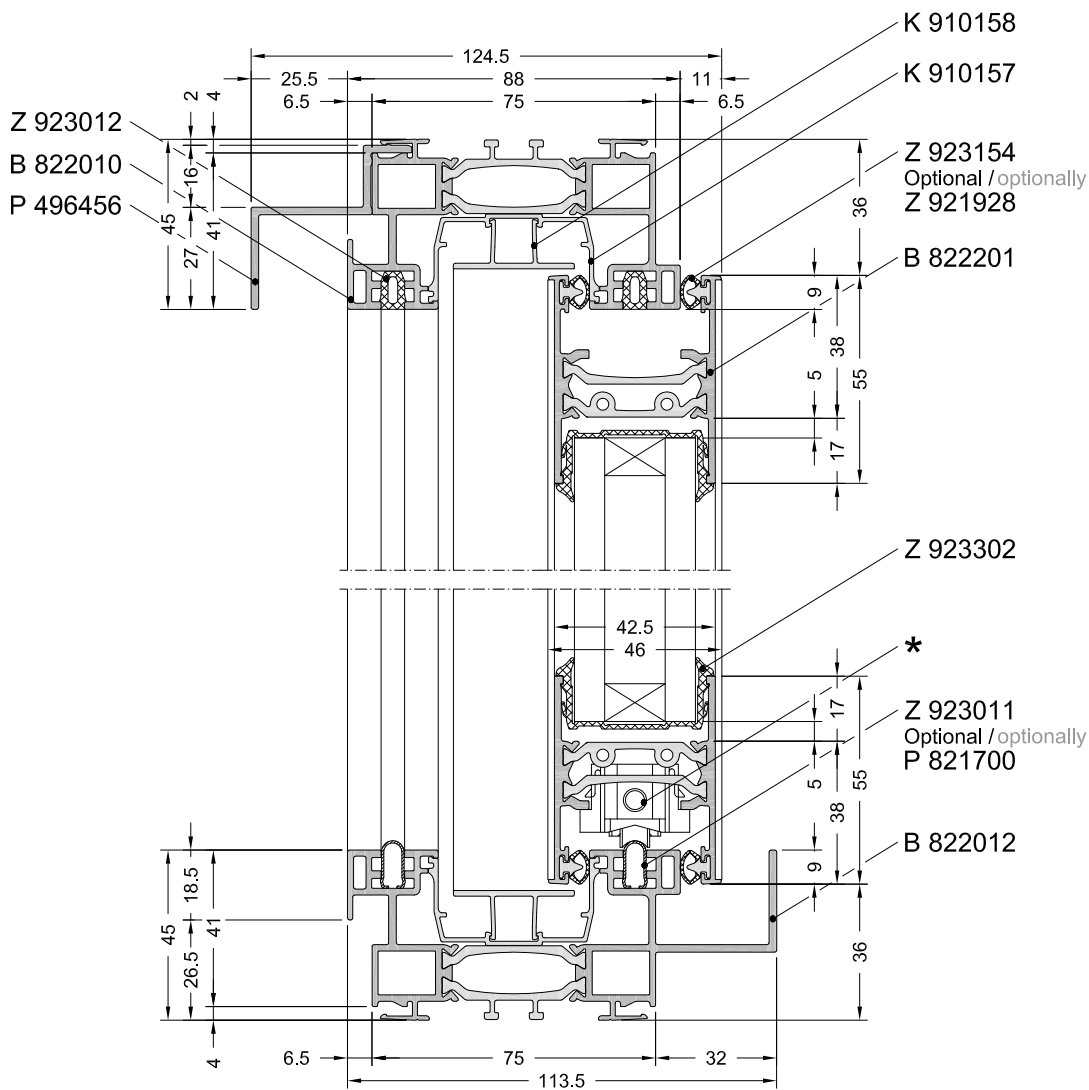
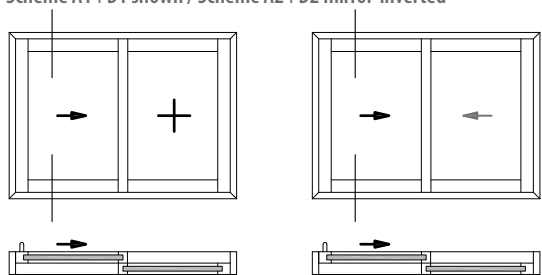
SONDERSCHNITTE  
 SPECIAL SECTIONS

Schema Scheme	Piktogramm Pictogram	Schnittbereiche Section areas	Schnitte / Sections ab / from bis / to	
Alle All		Fassadenanschluss Fascade connection	A3-32	A3-32
Alle All		Fensteranschluss Lambda WS 075 Window connection Lambda WS 075	A3-33	A3-33
Alle All		Statische Verstärkung Statical reinforcement	A3-34	A3-37

SCHEMA A+D - VERTIKALSCHNITT  
SCHEME A+D - VERTICAL SECTION

Schema A1+D1 dargestellt / Schema A2+D2 spiegelbildlich  
Scheme A1+D1 shown / Scheme A2+D2 mirror-inverted

Maßstab / Scale 1:2



\* Laufwagen siehe Kapitel B1  
\* Tandem roller see chapter B1

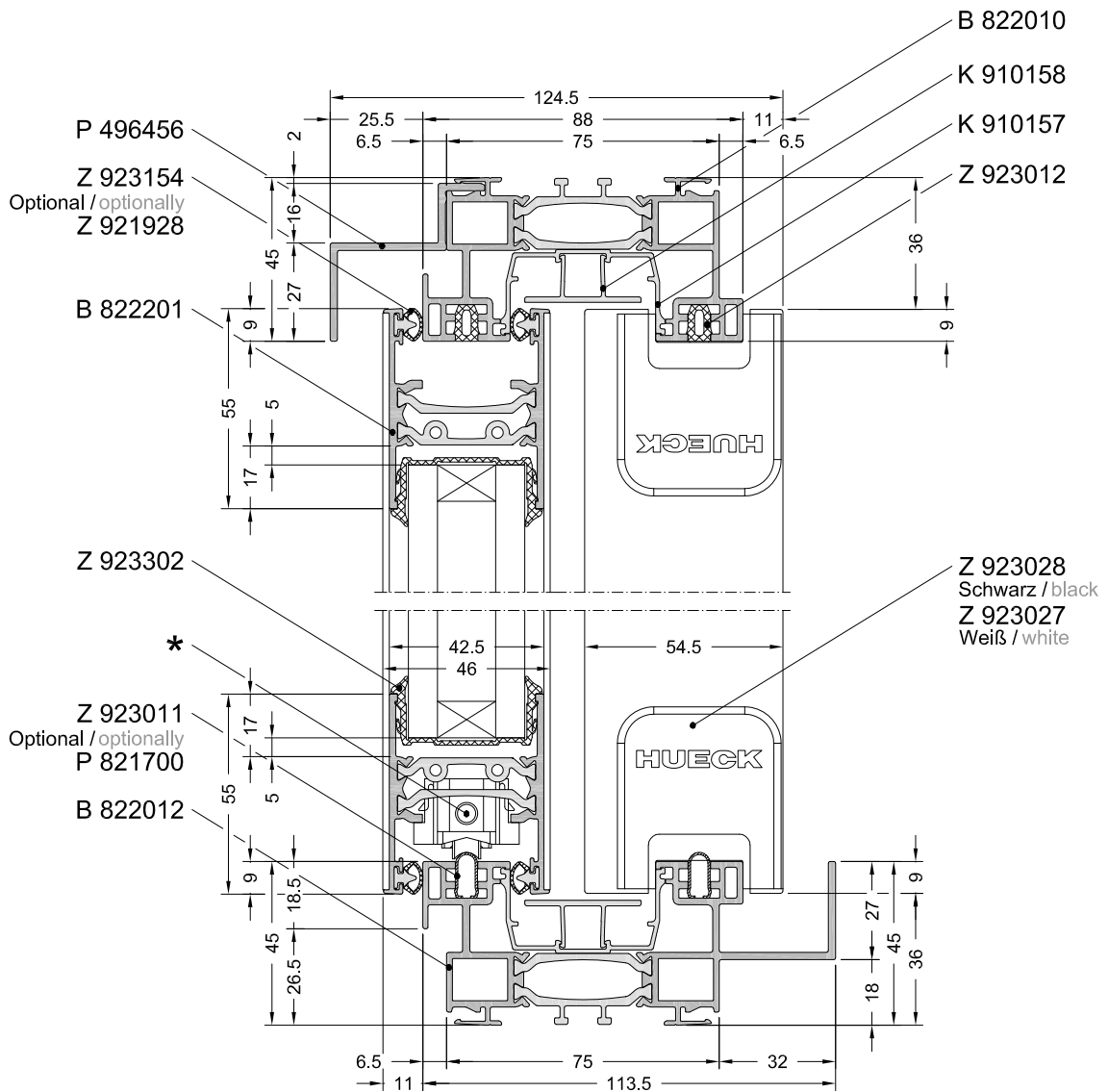
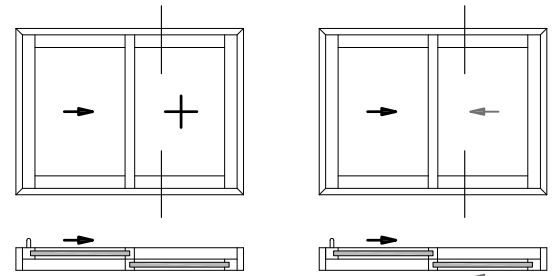
Artikel- und Systemzubehörtabellen siehe Seite A3-9  
Article- and system accessories tables see page A3-9



SCHEMA A+D - VERTIKALSCHNITT  
 SCHEMA A+D - VERTICAL SECTION

Maßstab / Scale 1:2

Schema A1+D1 dargestellt / Schema A2+D2 spiegelbildlich  
 Schema A1+D1 shown / Schema A2+D2 mirror-inverted



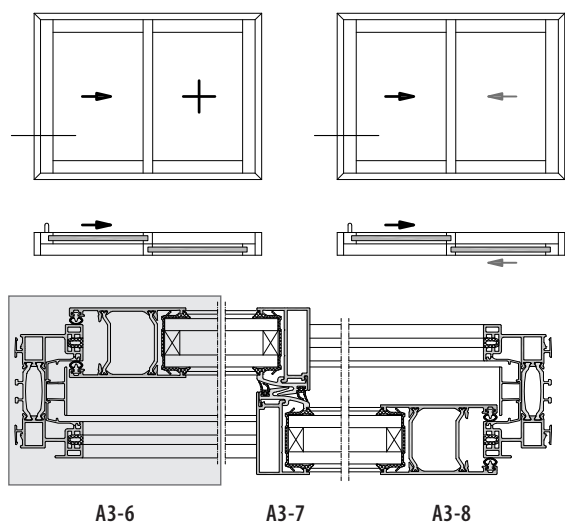
Artikel- und Systemzubehörtabellen siehe Seite A3-9  
 Article- and system accessories tables see page A3-9

\* Laufwagen siehe Kapitel B1  
 \* Tandem roller see chapter B1

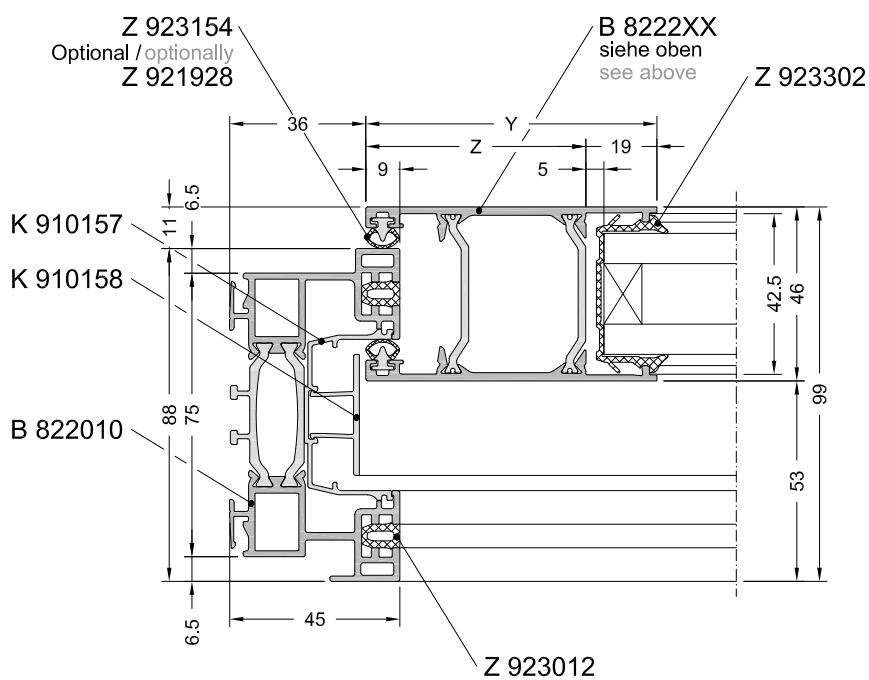
SCHEMA A+D - HORIZONTALSCHNITT  
SCHEME A+D - HORIZONTAL SECTION

Schema A1+D1 dargestellt / Schema A2+D2 spiegelbildlich  
Scheme A1+D1 shown / Scheme A2+D2 mirror-inverted

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z
B 822200	67	48
B 822210	77	58

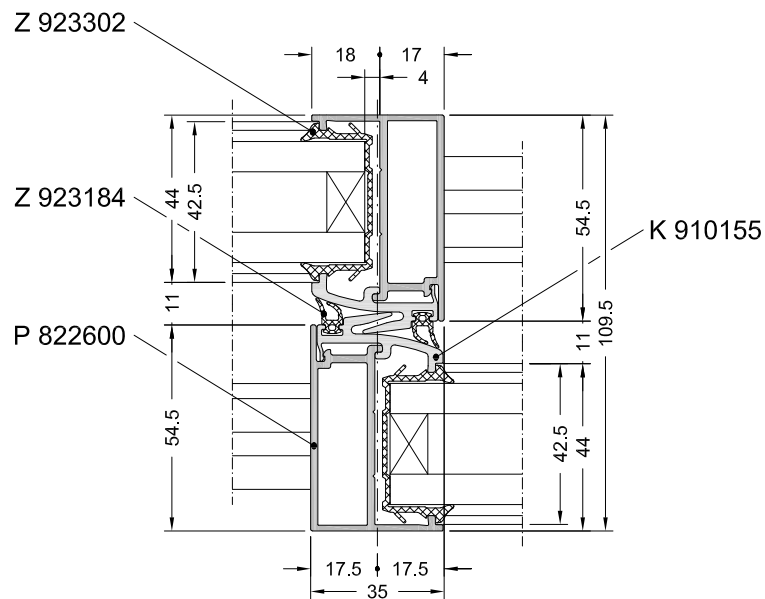
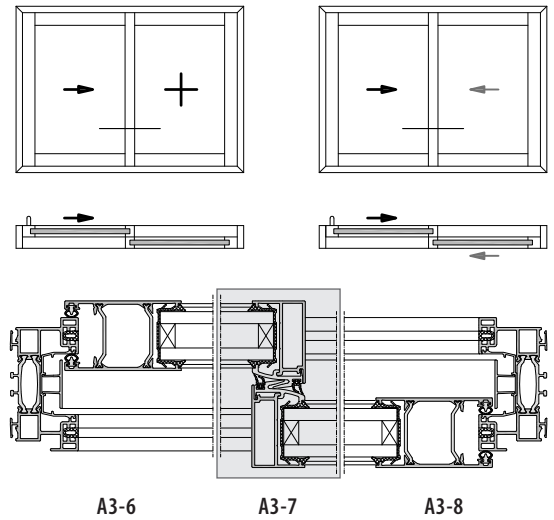


Artikel- und Systemzubehörtabeln siehe Seite A3-9  
Article- and system accessories tables see page A3-9

SCHEMA A+D - HORIZONTALSCHNITT - LABYRINTH  
 SCHEME A+D - HORIZONTAL SECTION - LABYRINTH

Maßstab / Scale 1:2

Schema A1+D1 dargestellt / Schema A2+D2 spiegelbildlich  
 Scheme A1+D1 shown / Scheme A2+D2 mirror-inverted

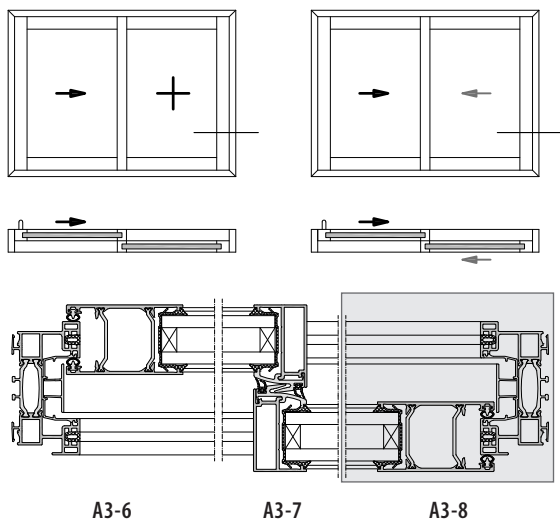


Artikel- und Systemzubehörtabellen siehe Seite A3-9  
 Article- and sytem accessories tables see page A3-9

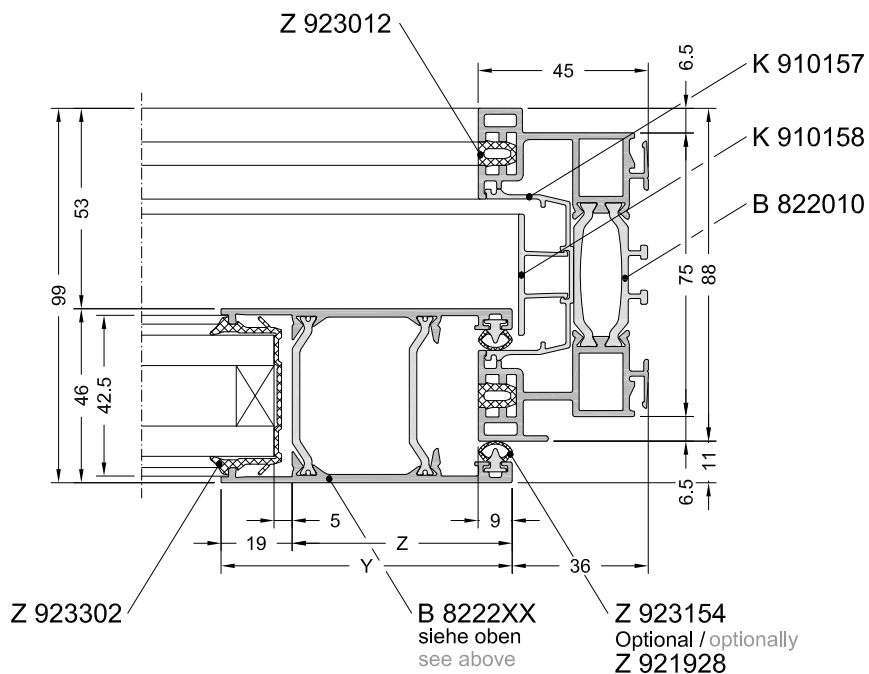
SCHEMA A+D - HORIZONTALSCHNITT  
SCHEME A+D - HORIZONTAL SECTION

Schema A1+D1 dargestellt / Schema A2+D2 spiegelbildlich  
Scheme A1+D1 shown / Scheme A2+D2 mirror-inverted

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z
B 822200	67	48
B 822210	77	58





Artikel- und Systemzubehörtabellen siehe Seite A3-9  
Article- and system accessories tables see page A3-9

SCHEMA A+D - TABELLEN  
SCHEME A+D - TABLES



	<b>BLENDRAHMEN 88/45/45</b> FIXED FRAME 88/45/45	Art. Nr. / Art. no. <b>B 822010</b>
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 921087	Z 921087
 Stift Nail	100	Z 911513	Z 911513


	<b>BLENDRAHMEN 113,5/45/45</b> FIXED FRAME 113,5/45/45	Art. Nr. / Art. no. <b>B 822012</b>
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 921087	Z 921087
 Stift Nail	100	Z 911513	Z 911513

	<b>SCHIEBEFLÜGEL 46/67/--</b> SLIDING SASH 46/67/--	Art. Nr. / Art. no. <b>B 822200</b>
Lieferlänge (mm) / Stock length (mm)		6500

	<b>SCHIEBEFLÜGEL 46/77/--</b> SLIDING SASH 46/77/--	Art. Nr. / Art. no. <b>B 822210</b>
Lieferlänge (mm) / Stock length (mm)		6500

	<b>SCHIEBEFLÜGEL 46/55/42,5</b> SLIDING SASH 46/55/42,5	Art. Nr. / Art. no. <b>B 822201</b>
Lieferlänge (mm) / Stock length (mm)		6500

	<b>SCHIEBEFLÜGEL SL 35/54,5/--</b> SLIDING SASH SL 35/54,5/--	Art. Nr. / Art. no. <b>P 822600</b>
Lieferlänge (mm) / Stock length (mm)		6500

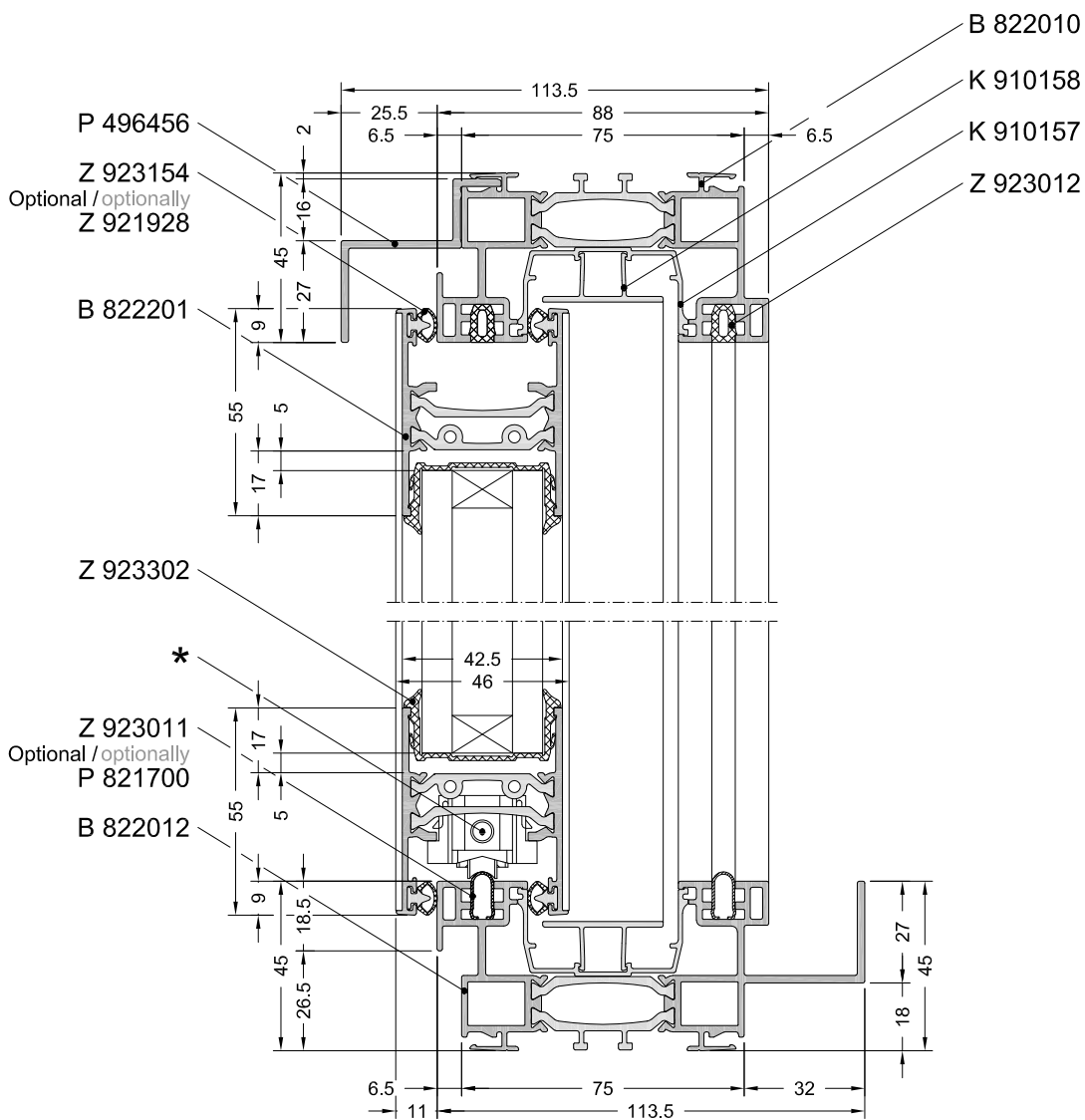
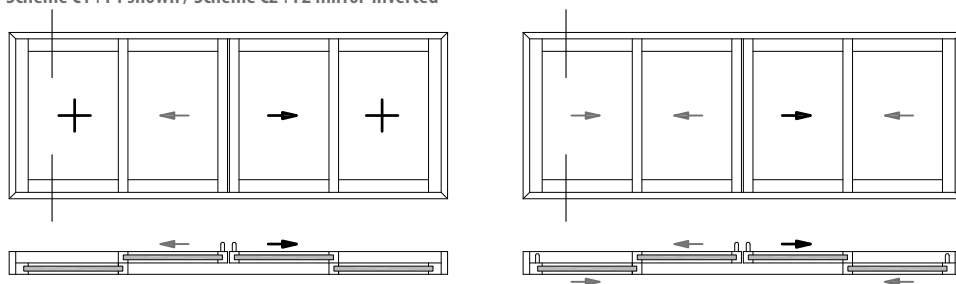
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910155
Rahmenabdeckung, innen Frame cover, internal	Lieferlänge / Stock length 6500 mm	K 910157
Einsatzprofil für Rahmenabdeckung Insert profile for frame cover	Lieferlänge / Stock length 6500 mm	K 910158
L-Abdeckprofil L-Cover profile	Lieferlänge / Stock length 6500 mm	P 496456
Laufschiene, Aluminium (optional) Roller rail, aluminium (optionally)	Lieferlänge / Stock length 6500 mm	P 821700
Bürstendichtung 4.8 x 10 mm (optional) Woven pile weather strip 4.8 x 10 mm (optionally)	50 m	Z 921928
Laufschiene, Edelstahl (bis max. 200 kg Flügelgewicht) Roller rail, stainless steel (up to max. 200 kg sash weight)	Lieferlänge / Stock length 6500 mm	Z 923011
Abdeckdichtung Cover gasket	100 m	Z 923012
Abdeckkappe, weiß Cover cap, white	in Kombi in Combi.	Z 923027
Abdeckkappe, schwarz Cover cap, black	in Kombi in Combi.	Z 923028
Anschlagdichtung Rebate gasket	100 m	Z 923154
Labyrinthdichtung Labyrinth gasket	50 m	Z 923184
Verglasungsdichtung Glazing gasket	50 m	Z 923302

SCHEMA C+F - VERTIKALSCHNITT  
SCHEME C+F - VERTICAL SECTION

Schema C1+F1 dargestellt / Schema C2+F2 spiegelbildlich  
Scheme C1+F1 shown / Scheme C2+F2 mirror-inverted

Maßstab / Scale 1:2



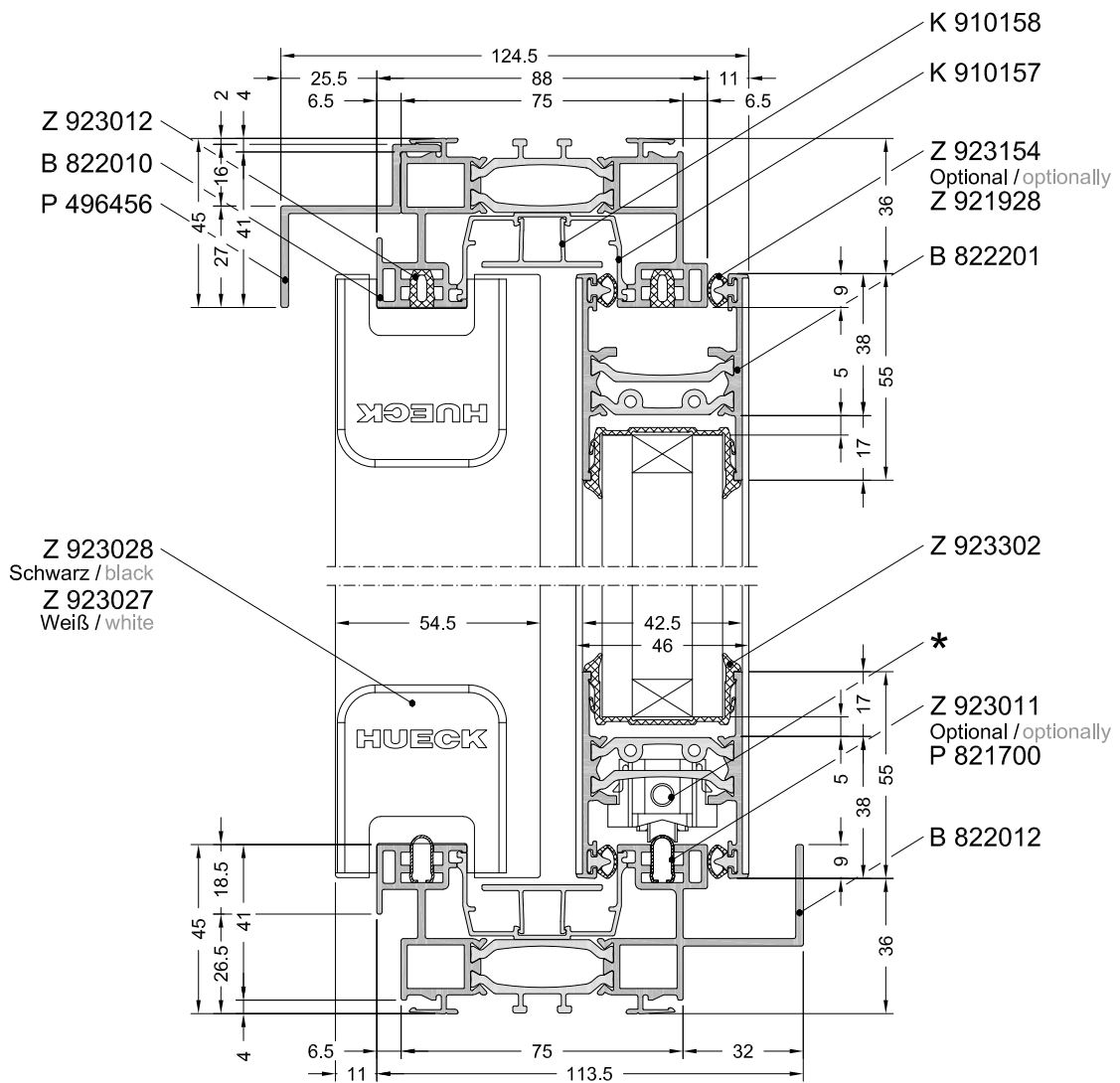
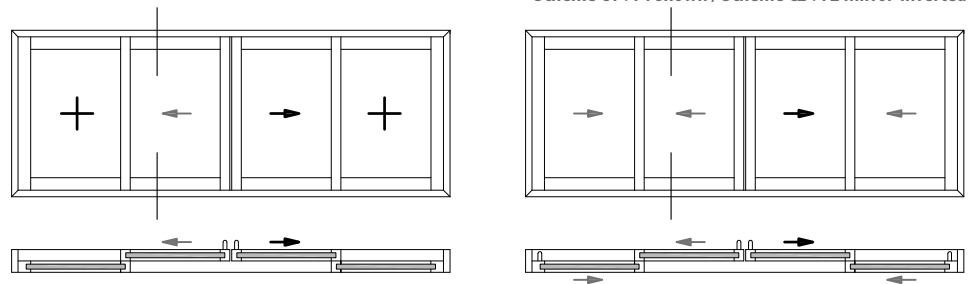
\* Laufwagen siehe Kapitel B1  
\* Tandem roller see chapter B1

Artikel- und Systemzubehörtabellen siehe Seite A3-15  
Article- and system accessories tables see page A3-15

SCHEMA C+F - VERTIKALSCHNITT  
 SCHEME C+F - VERTICAL SECTION

Maßstab / Scale 1:2

Schema C1+F1 dargestellt / Schema C2+F2 spiegelbildlich  
 Scheme C1+F1 shown / Scheme C2+F2 mirror-inverted



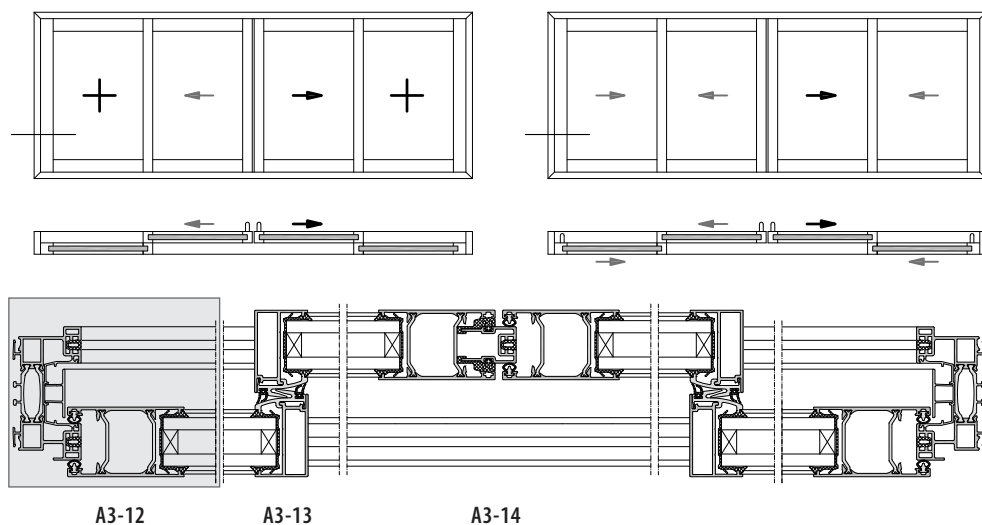
Artikel- und Systemzubehörtabellen siehe Seite A3-15  
 Article- and system accessories tables see page A3-15

\* Laufwagen siehe Kapitel B1  
 \* Tandem roller see chapter B1

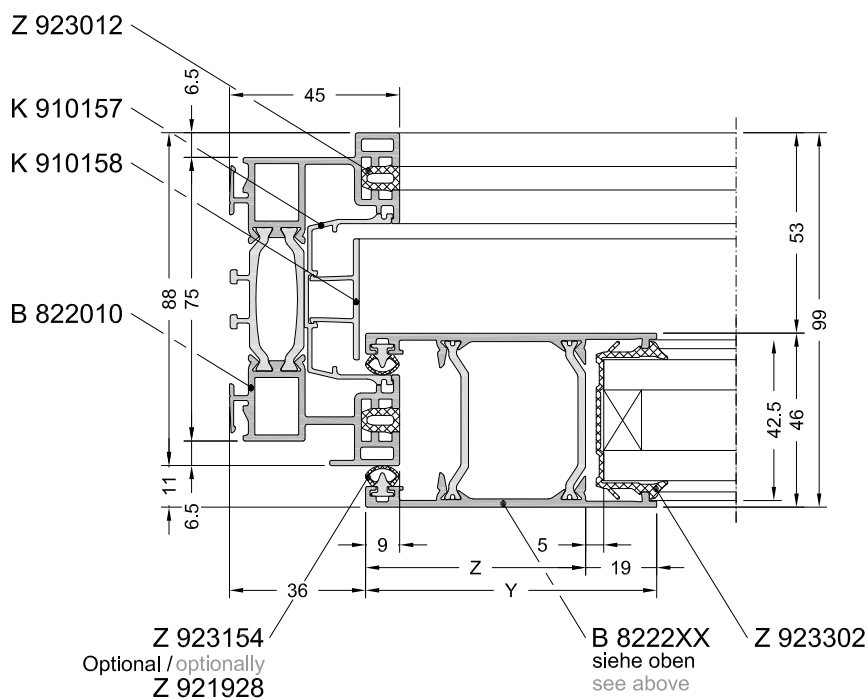
SCHEMA C+F - HORIZONTALSCHNITT  
SCHEME C+F - HORIZONTAL SECTION

Schema C1+F1 dargestellt / Schema C2+F2 spiegelbildlich  
Scheme C1+F1 shown / Scheme C2+F2 mirror-inverted

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z
B 822200	67	48
B 822210	77	58



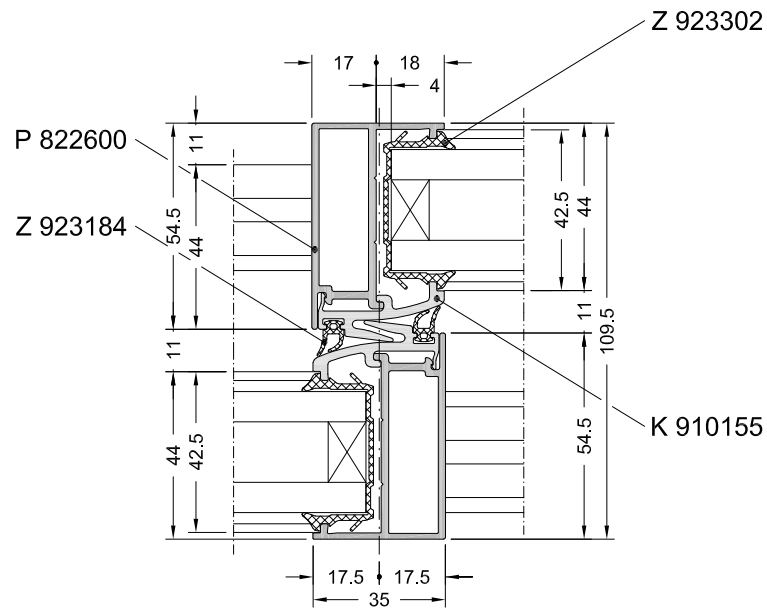
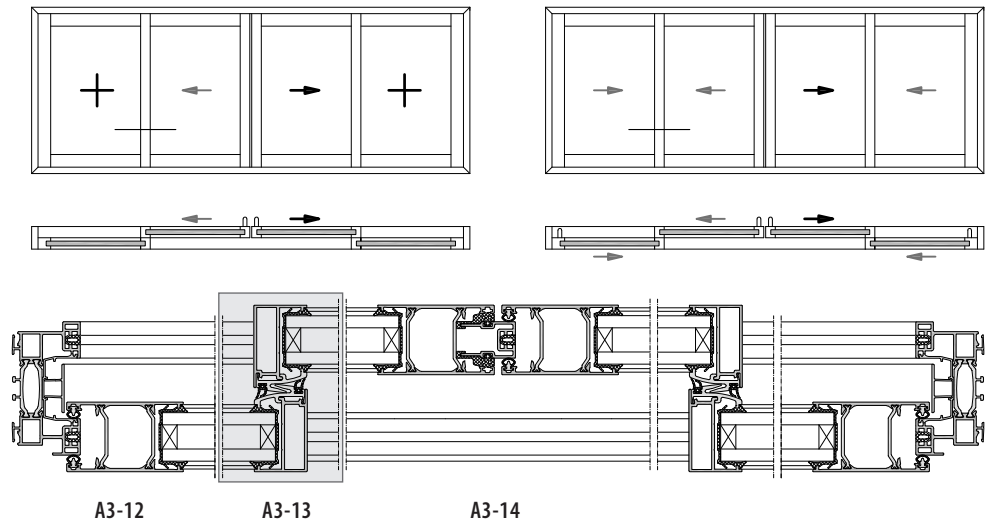
Artikel- und Systemzubehörtabellen siehe Seite A3-15  
Article- and system accessories tables see page A3-15



SCHEMA C+F - HORIZONTALSCHNITT  
 SCHEME C+F - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema C1+F1 dargestellt / Schema C2+F2 spiegelbildlich  
 Scheme C1+F1 shown / Scheme C2+F2 mirror-inverted

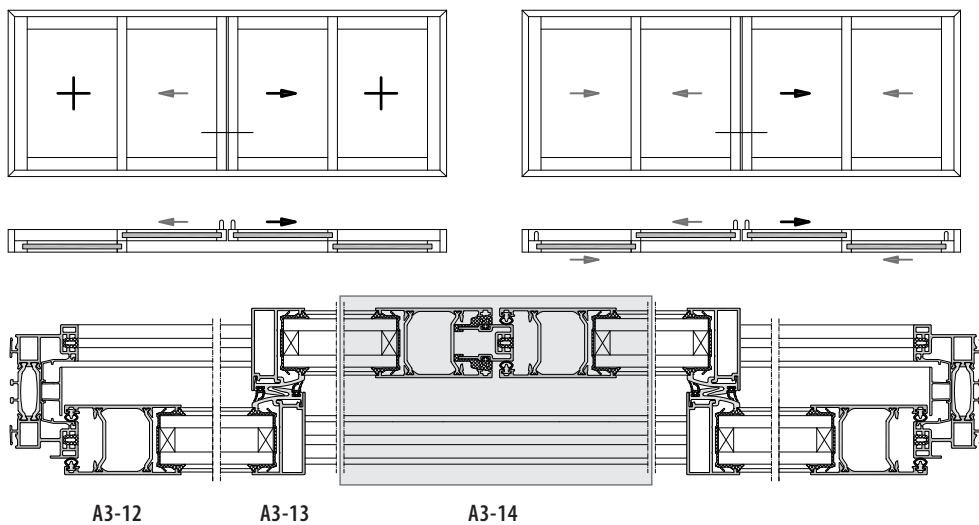


Artikel- und Systemzubehörtabellen siehe Seite A3-15  
 Article- and system accessories tables see page A3-15

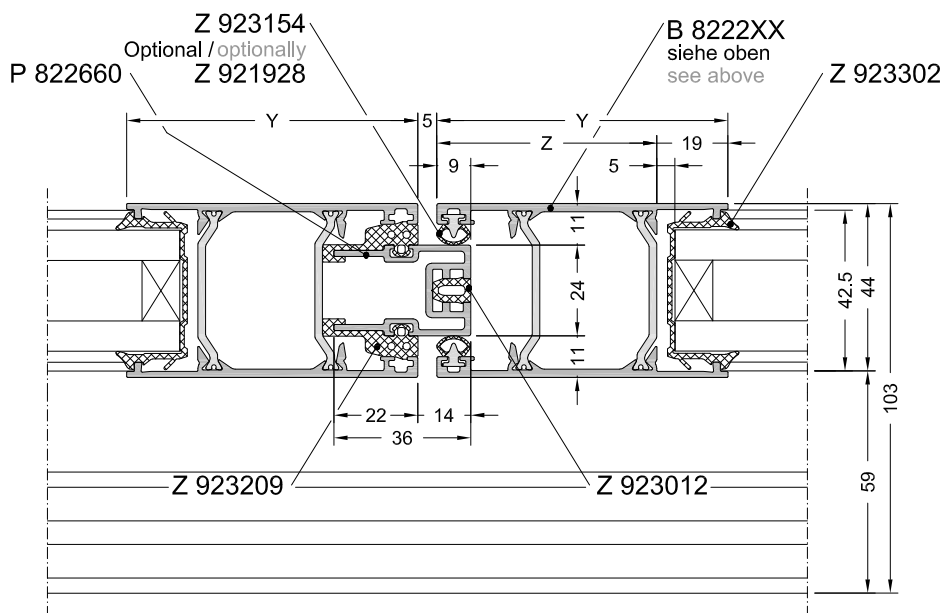
SCHEMA C+F - HORIZONTALSCHNITT  
SCHEME C+F - HORIZONTAL SECTION

Schema C1+F1 dargestellt / Schema C2+F2 spiegelbildlich  
Scheme C1+F1 shown / Scheme C2+F2 mirror-inverted

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z
B 822200	67	48
B 822210	77	58





Artikel- und Systemzubehörtabellen siehe Seite A3-15  
Article- and system accessories tables see page A3-15

SCHEMA C+F - TABELLEN  
SCHEME C+F - TABLES



	<b>BLENDRAHMEN 88/45/45</b> FIXED FRAME 88/45/45	Art. Nr. / Art. no. <b>B 822010</b>
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 921087	Z 921087
 Stift Nail	100	Z 911513	Z 911513

	<b>BLENDRAHMEN 113,5/45/45</b> FIXED FRAME 113,5/45/45	Art. Nr. / Art. no. <b>B 822012</b>
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 921087	Z 921087
 Stift Nail	100	Z 911513	Z 911513

	<b>SCHIEBEFLÜGEL 46/67/--</b> SLIDING SASH 46/67/--	Art. Nr. / Art. no. <b>B 822200</b>
Lieferlänge (mm) / Stock length (mm)		6500

	<b>SCHIEBEFLÜGEL 46/77/--</b> SLIDING SASH 46/77/--	Art. Nr. / Art. no. <b>B 822210</b>
Lieferlänge (mm) / Stock length (mm)		6500

	<b>SCHIEBEFLÜGEL 46/55/42,5</b> SLIDING SASH 46/55/42,5	Art. Nr. / Art. no. <b>B 822201</b>
Lieferlänge (mm) / Stock length (mm)		6500

	<b>SCHIEBEFLÜGEL SL 35/54,5/--</b> SLIDING SASH SL 35/54,5/--	Art. Nr. / Art. no. <b>P 822600</b>
Lieferlänge (mm) / Stock length (mm)		6500

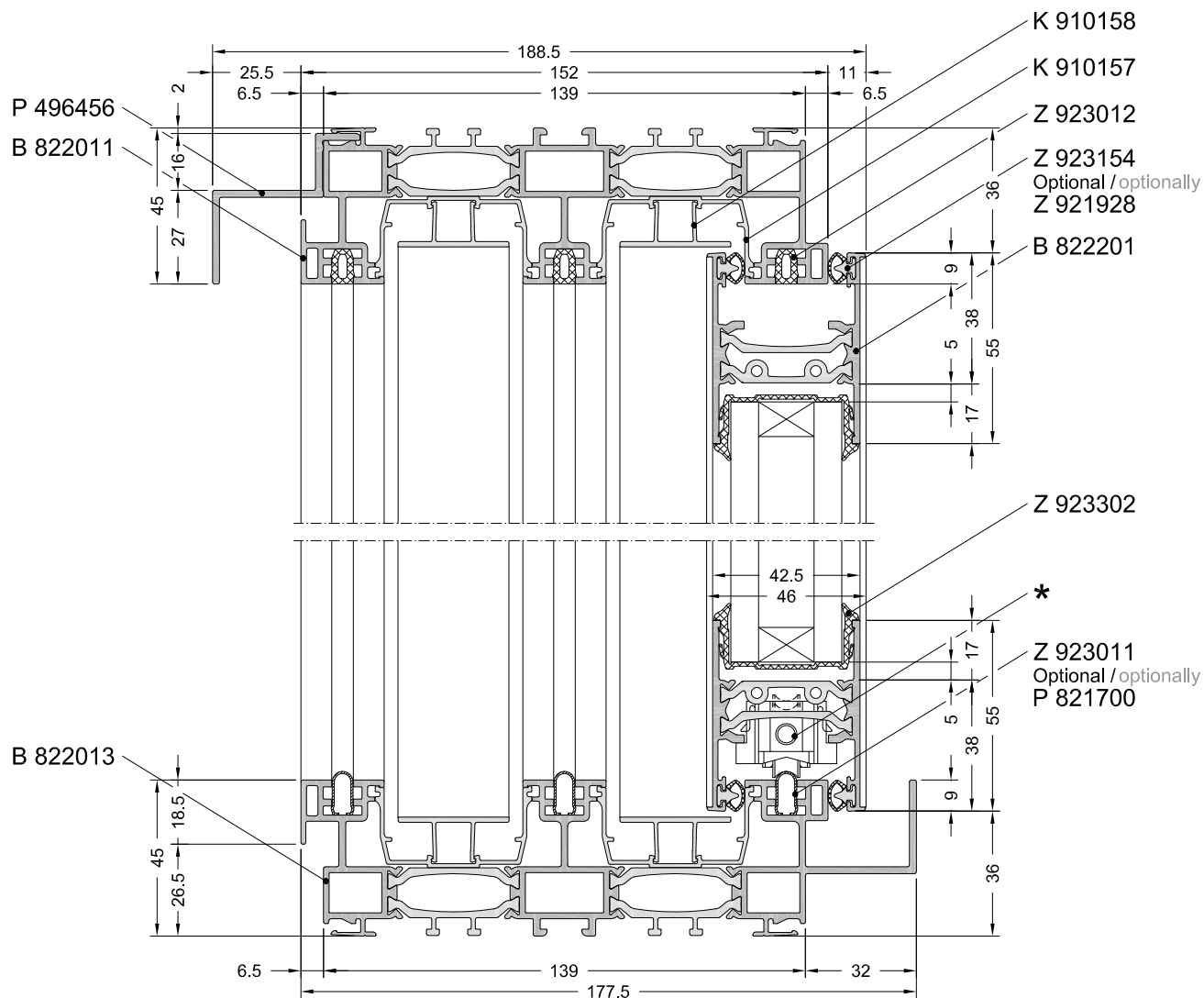
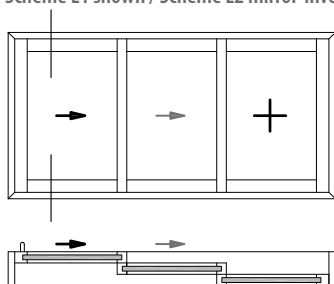
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
<b>Labyrinthprofil, Kunststoff</b> Cover profile, plastic	Lieferlänge / Stock length 6500 mm	<b>K 910155</b>
<b>Rahmenabdeckung, innen</b> Frame cover, internal	Lieferlänge / Stock length 6500 mm	<b>K 910157</b>
<b>Einsatzprofil für Rahmenabdeckung</b> Insert profile for frame cover	Lieferlänge / Stock length 6500 mm	<b>K 910158</b>
<b>L-Abdeckprofil</b> L-Cover profile	Lieferlänge / Stock length 6500 mm	<b>P 496456</b>
<b>Laufschiene, Aluminium (optional)</b> Roller rail, aluminium (optionally)	Lieferlänge / Stock length 6500 mm	<b>P 821700</b>
<b>Stoßprofil</b> Joint profile	Lieferlänge / Stock length 6500 mm	<b>P 822660</b>
<b>Bürstendichtung 4,8 x 10 mm (optional)</b> Woven pile weather strip 4.8 x 10 mm (optionally)	50 m	<b>Z 921928</b>
<b>Laufschiene, Edelstahl (bis max. 200 kg Flügelgewicht)</b> Roller rail, stainless steel (up to max. 200 kg sash weight)	Lieferlänge / Stock length 6500 mm	<b>Z 923011</b>
<b>Abdeckdichtung</b> Cover gasket	100 m	<b>Z 923012</b>
<b>Abdeckkappe, weiß</b> Cover cap, white	in Kombi in Combi.	<b>Z 923027</b>
<b>Abdeckkappe, schwarz</b> Cover cap, black	in Kombi in Combi.	<b>Z 923028</b>
<b>Anschlagdichtung</b> Rebate gasket	100 m	<b>Z 923154</b>
<b>Labyrinthdichtung</b> Labyrinth gasket	50 m	<b>Z 923184</b>
<b>Dichtung für Profilschluss</b> Gasket for profile connection	25 m	<b>Z 923209</b>
<b>Verglasungsdichtung</b> Glazing gasket	50 m	<b>Z 923302</b>

SCHEMA E - VERTIKALSCHNITT  
SCHEME E - VERTICAL SECTION

Schema E1 dargestellt / Schema E2 spiegelbildlich  
Scheme E1 shown / Scheme E2 mirror-inverted

Maßstab / Scale 1:2



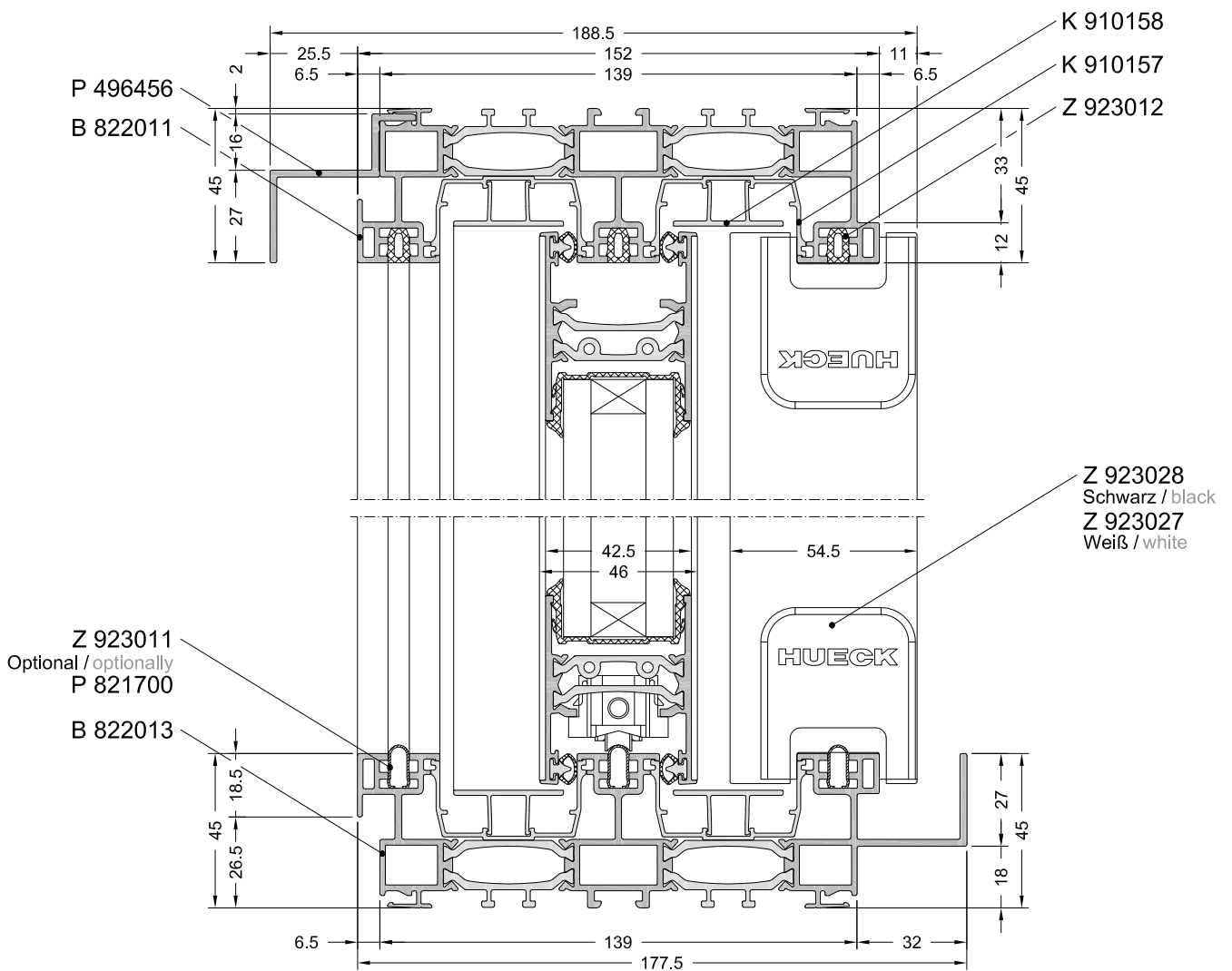
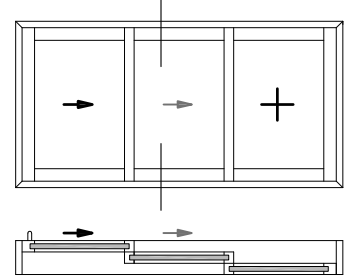
\* Laufwagen siehe Kapitel B1  
\* Tandem roller see chapter B1

Artikel- und Systemzubehörtabelle siehe Seite A3-22  
Article- and system accessories tables see page A3-22

SCHEMA E - VERTIKALSCHNITT  
 SCHEME E - VERTICAL SECTION

Maßstab / Scale 1:2

Schema E1 dargestellt / Schema E2 spiegelbildlich  
 Scheme E1 shown / Scheme E2 mirror-inverted

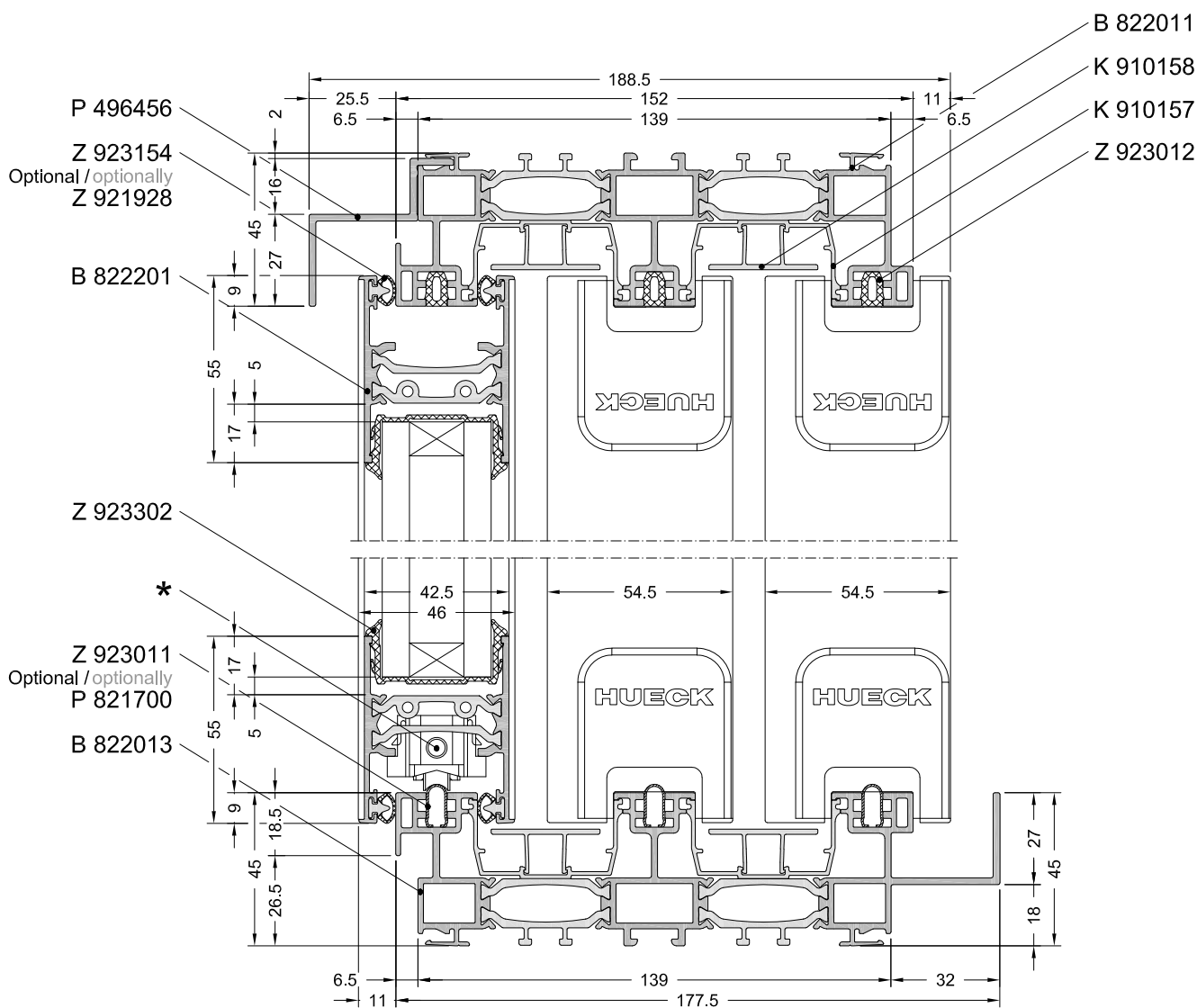
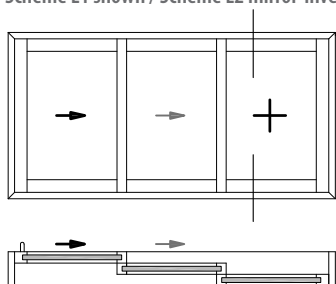


Artikel- und Systemzubehörtabellen siehe Seite A3-22  
 Article- and system accessories tables see page A3-22

SCHEMA E - VERTIKALSCHNITT  
SCHEME E - VERTICAL SECTION

Schema E1 dargestellt / Schema E2 spiegelbildlich  
Scheme E1 shown / Scheme E2 mirror-inverted

Maßstab / Scale 1:2



\* Laufwagen siehe Kapitel B1  
\* Tandem roller see chapter B1

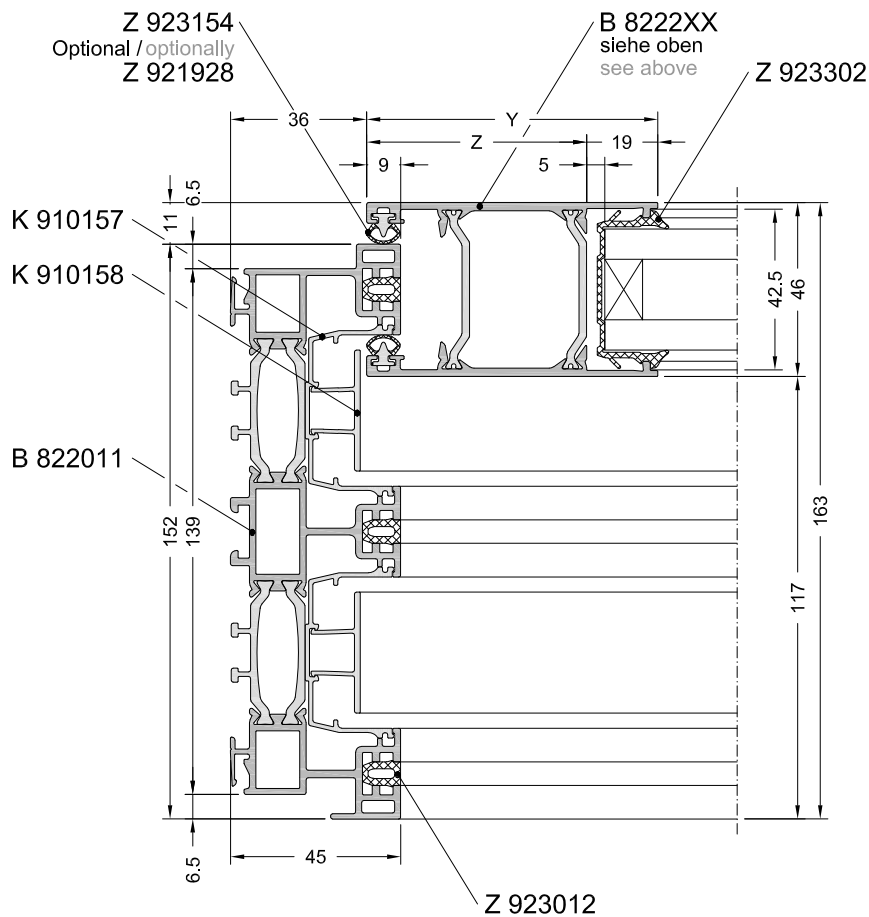
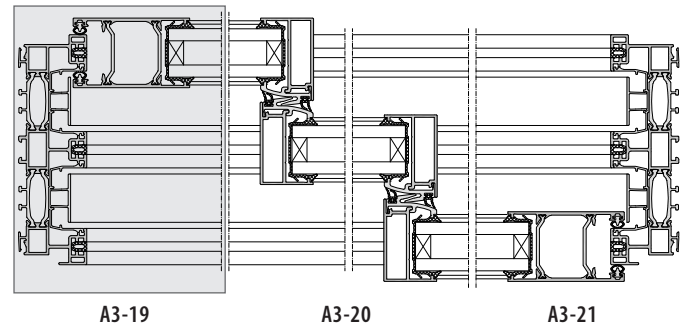
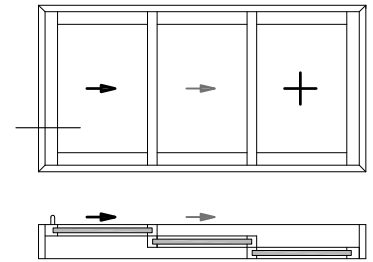
Artikel- und Systemzubehörtabellen siehe Seite A3-22  
Article- and system accessories tables see page A3-22

SCHEMA E - HORIZONTALSCHNITT  
 SCHEME E - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema E1 dargestellt / Schema E2 spiegelbildlich  
 Scheme E1 shown / Scheme E2 mirror-inverted

Schiebeflügel Sliding sash	Y	Z
B 822200	67	48
B 822210	77	58

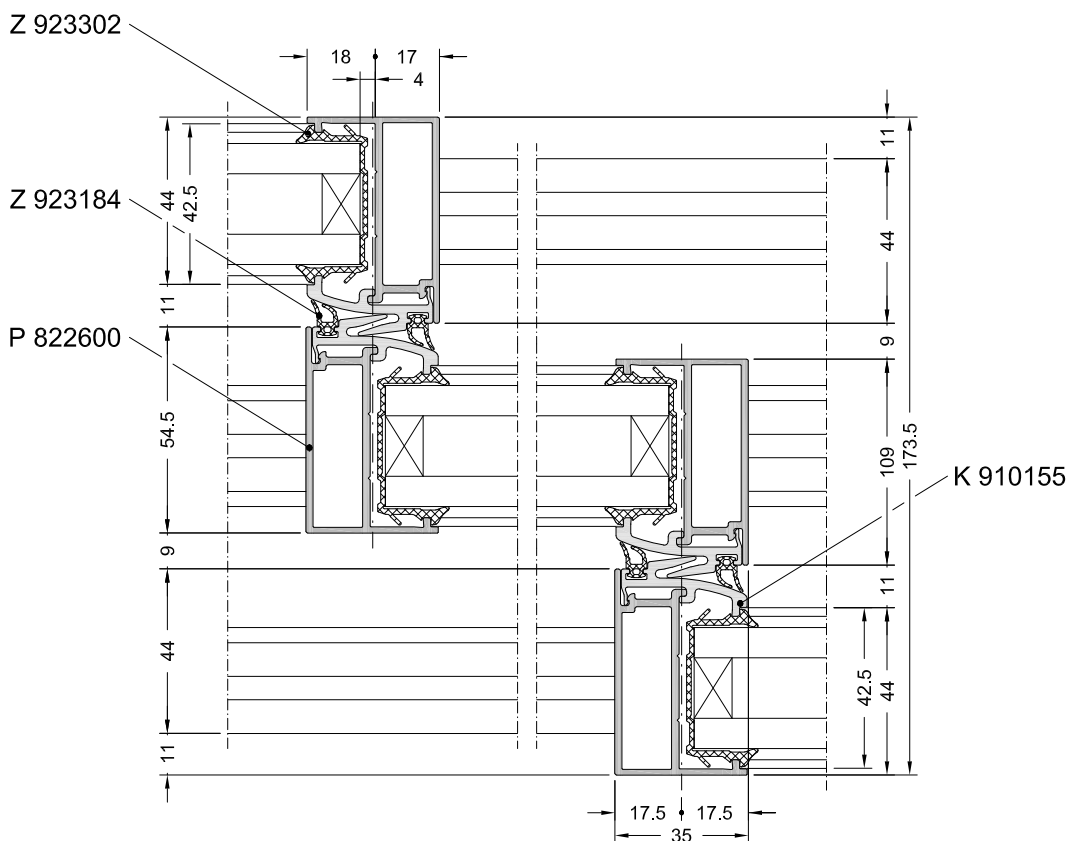
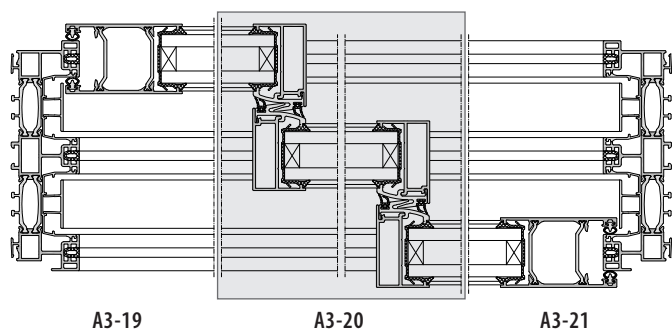
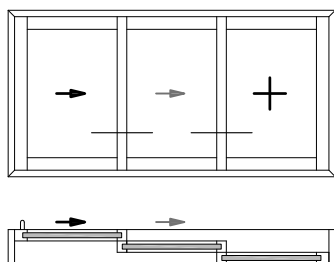


Artikel- und Systemzubehörtabellen siehe Seite A3-22  
 Article- and sytem accessories tables see page A3-22

SCHEMA E - HORIZONTALSCHNITT  
SCHEME E - HORIZONTAL SECTION

Schema E1 dargestellt / Schema E2 spiegelbildlich  
Scheme E1 shown / Scheme E2 mirror-inverted

Maßstab / Scale 1:2



Artikel- und Systemzubehörtabellen siehe Seite A3-22  
Article- and system accessories tables see page A3-22

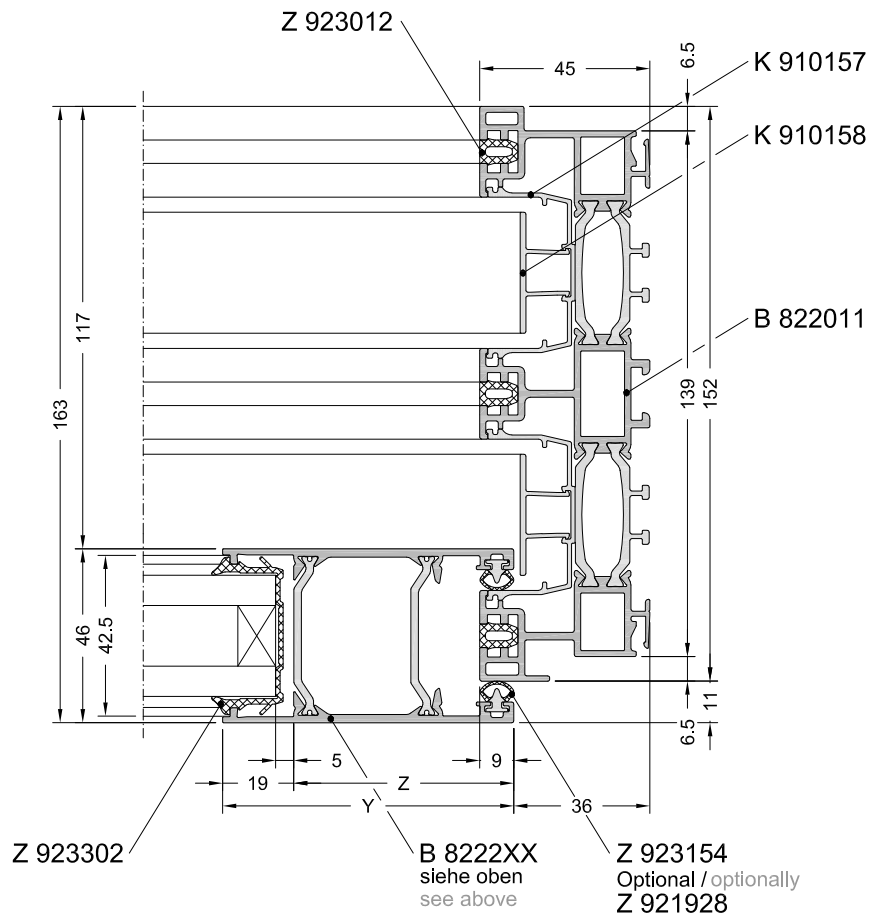
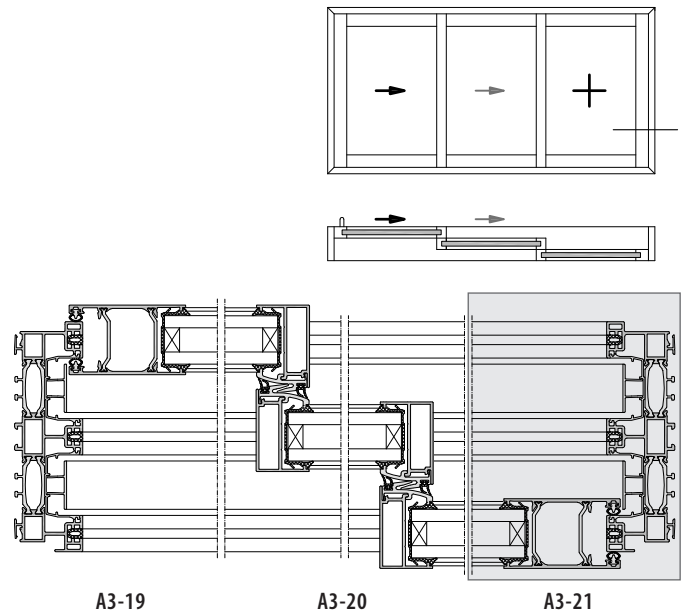


SCHEMA E - HORIZONTALSCHNITT  
 SCHEME E - HORIZONTAL SECTION

Maßstab / Scale 1:2


Schema E1 dargestellt / Schema E2 spiegelbildlich  
 Scheme E1 shown / Scheme E2 mirror-inverted

Schiebeflügel Sliding sash	Y	Z
B 822200	67	48
B 822210	77	58






Artikel- und Systemzubehörtabellen siehe Seite A3-22  
 Article- and system accessories tables see page A3-22

SCHEMA E - TABELLEN  
SCHEME E - TABLES




	<b>BLENDRAHMEN 152/45/45</b> FIXED FRAME 152/45/45	Art. Nr. / Art. no. <b>B 822011</b>
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 921087	Z 921087
 Eckverbinder / Corner cleat Kammer (III) Mitte Chamber (III) Center	20	Z 923051	
 Stift Nail	100	Z 911513	Z 911513


	<b>BLENDRAHMEN 177,5/45/45</b> FIXED FRAME 177,5/45/45	Art. Nr. / Art. no. <b>B 822013</b>
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 921087	Z 921087
 Eckverbinder / Corner cleat Kammer (III) Mitte Chamber (III) Center	20	Z 923051	
 Stift Nail	100	Z 911513	Z 911513

	<b>SCHIEBEFLÜGEL 46/67/--</b> SLIDING SASH 46/67/--	Art. Nr. / Art. no. <b>B 822200</b>
Lieferlänge (mm) / Stock length (mm)		6500

	<b>SCHIEBEFLÜGEL 46/77/--</b> SLIDING SASH 46/77/--	Art. Nr. / Art. no. <b>B 822210</b>
Lieferlänge (mm) / Stock length (mm)		6500

	<b>SCHIEBEFLÜGEL 46/55/42,5</b> SLIDING SASH 46/55/42,5	Art. Nr. / Art. no. <b>B 822201</b>
Lieferlänge (mm) / Stock length (mm)		6500

	<b>SCHIEBEFLÜGEL SL 35/54,5/--</b> SLIDING SASH SL 35/54,5/--	Art. Nr. / Art. no. <b>P 822600</b>
Lieferlänge (mm) / Stock length (mm)		6500

Systemzubehör entsprechend Profilschnitten  
System accessories according profile sections

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

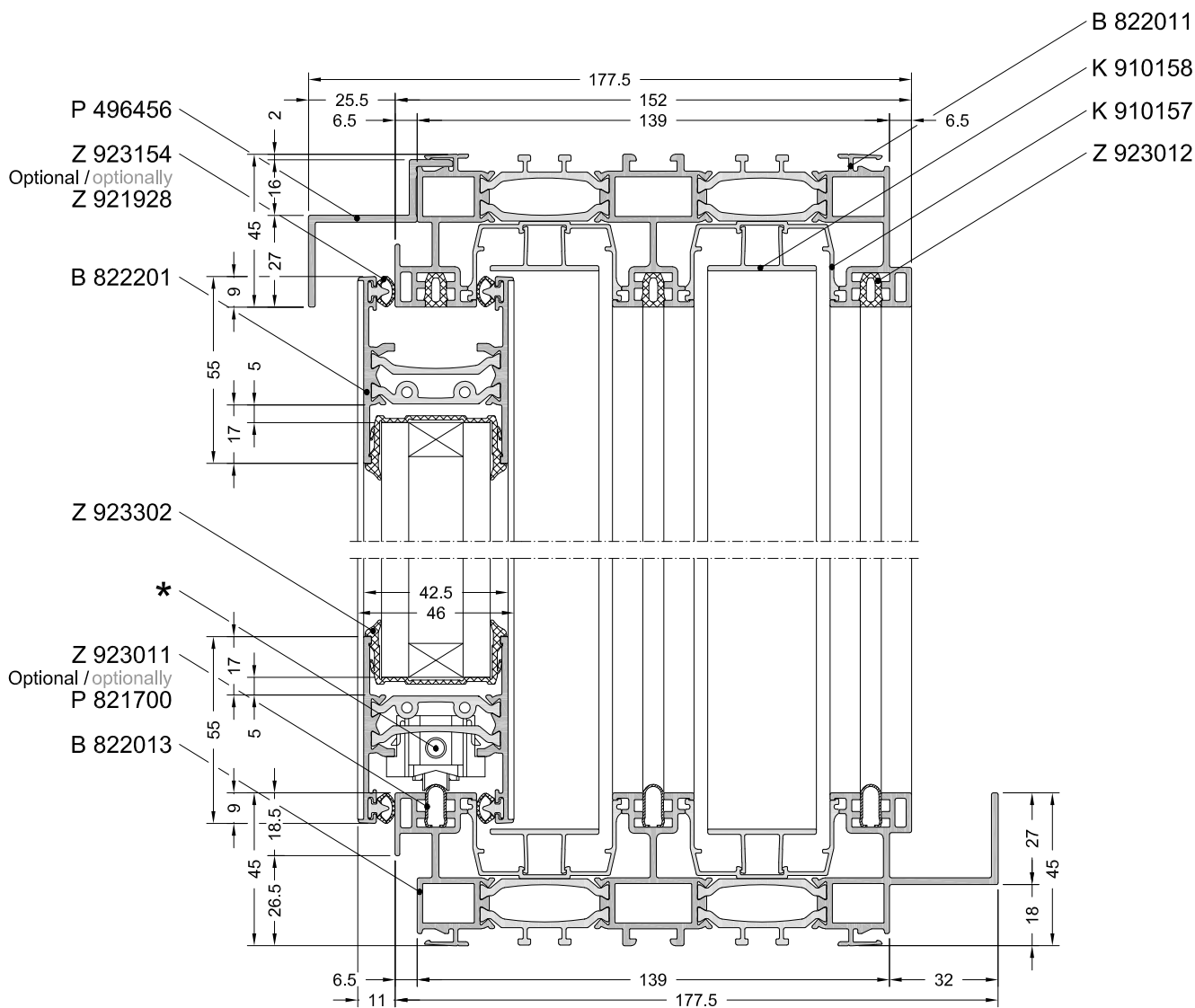
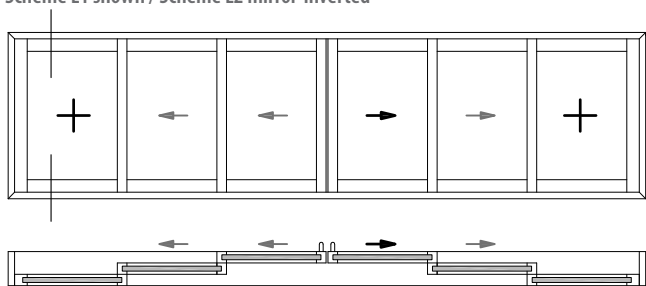
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910155
Rahmenabdeckung, innen Frame cover, internal	Lieferlänge / Stock length 6500 mm	K 910157
Einsatzprofil für Rahmenabdeckung Insert profile for frame cover	Lieferlänge / Stock length 6500 mm	K 910158
L-Abdeckprofil L-Cover profile	Lieferlänge / Stock length 6500 mm	P 496456
Laufschiene, Aluminium (optional) Roller rail, aluminium (optionally)	Lieferlänge / Stock length 6500 mm	P 821700
Bürstendichtung 4.8 x 10 mm (optional) Woven pile weather strip 4.8 x 10 mm (optionally)	50 m	Z 921928
Laufschiene, Edelstahl (bis max. 200 kg Flügelgewicht) Roller rail, stainless steel (up to max. 200 kg sash weight)	Lieferlänge / Stock length 6500 mm	Z 923011
Abdeckdichtung Cover gasket	100 m	Z 923012
Abdeckkappe, weiß Cover cap, white	in Kombi in Combi.	Z 923027
Abdeckkappe, schwarz Cover cap, black	in Kombi in Combi.	Z 923028
Anschlagdichtung Rebate gasket	100 m	Z 923154
Labyrinthdichtung Labyrinth gasket	50 m	Z 923184
Verglasungsdichtung Glazing gasket	50 m	Z 923302



SCHEMA L - VERTIKALSCHNITT  
SCHEME L - VERTICAL SECTION

Schema L1 dargestellt / Schema L2 spiegelbildlich  
Scheme L1 shown / Scheme L2 mirror-inverted

Maßstab / Scale 1:2



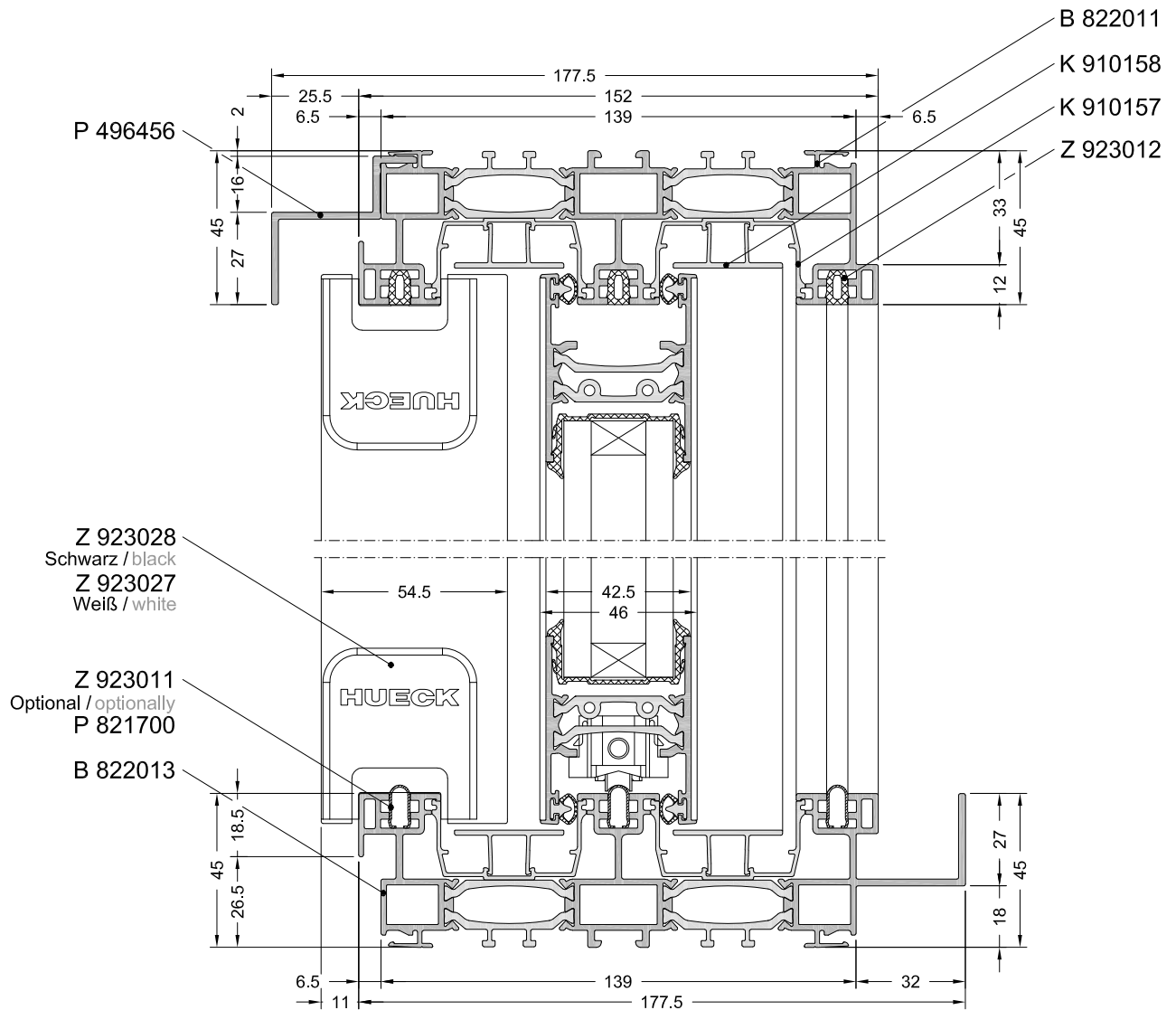
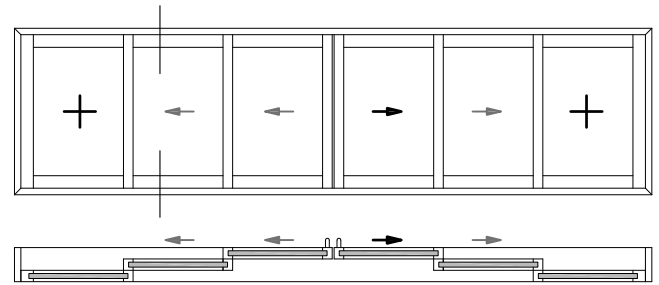
\* Laufwagen siehe Kapitel B1  
\* Tandem roller see chapter B1

Artikel- und Systemzubehörtabellen siehe Seite A3-30  
Article- and system accessories tables see page A3-30

SCHEMA L - VERTIKALSCHNITT  
 SCHEME L - VERTICAL SECTION

Maßstab / Scale 1:2

Schema L1 dargestellt / Schema L2 spiegelbildlich  
 Scheme L1 shown / Scheme L2 mirror-inverted

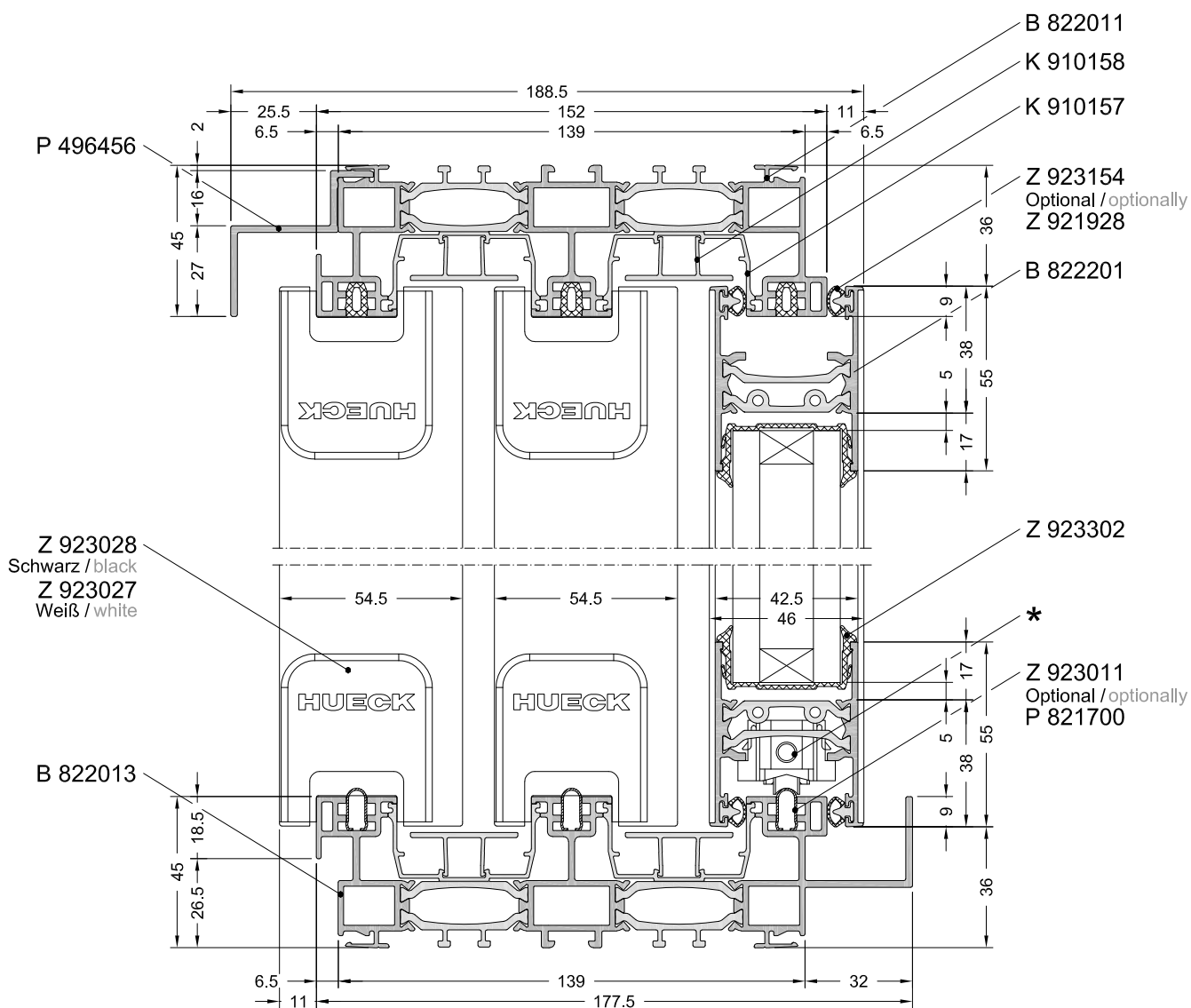
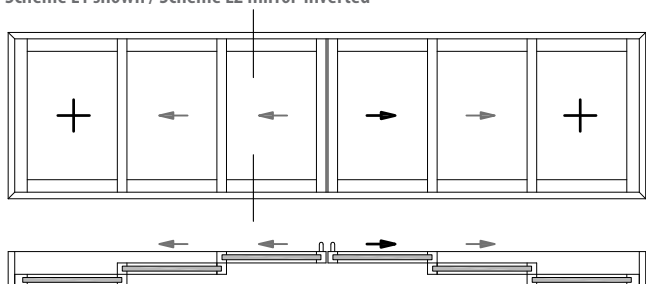


Artikel- und Systemzubehörtabeln siehe Seite A3-30  
 Article- and system accessories tables see page A3-30

SCHEMA L - VERTIKALSCHNITT  
SCHEME L - VERTICAL SECTION

Schema L1 dargestellt / Schema L2 spiegelbildlich  
Scheme L1 shown / Scheme L2 mirror-inverted

Maßstab / Scale 1:2



\* Laufwagen siehe Kapitel B1  
\* Tandem roller see chapter B1

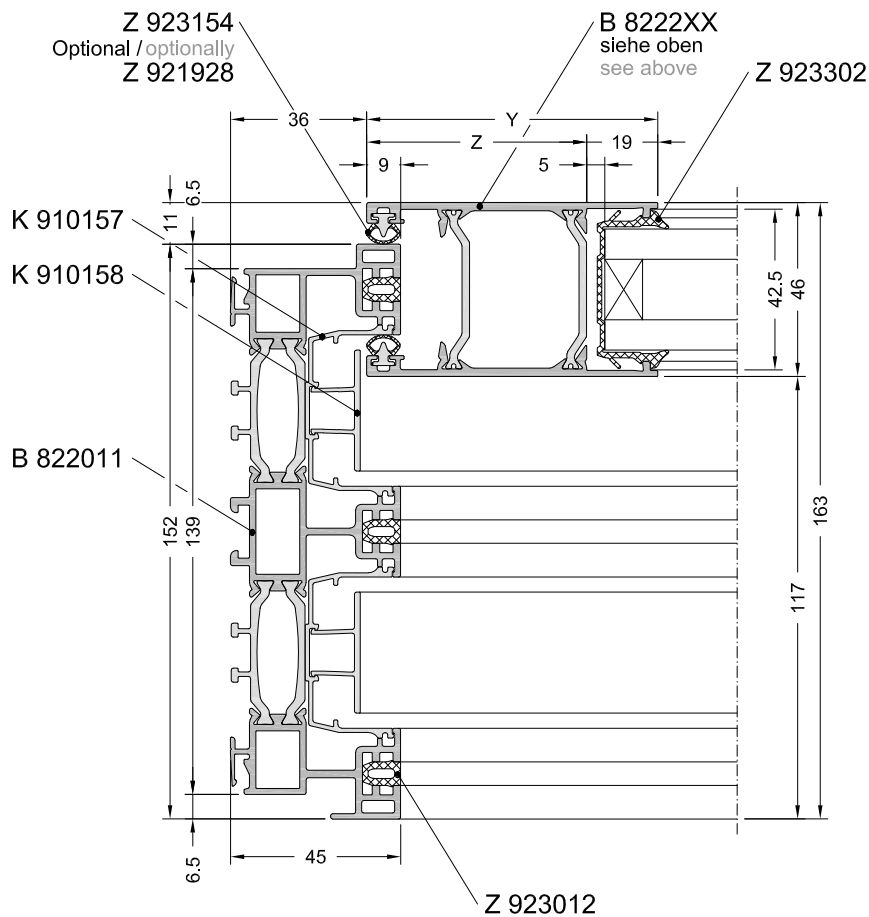
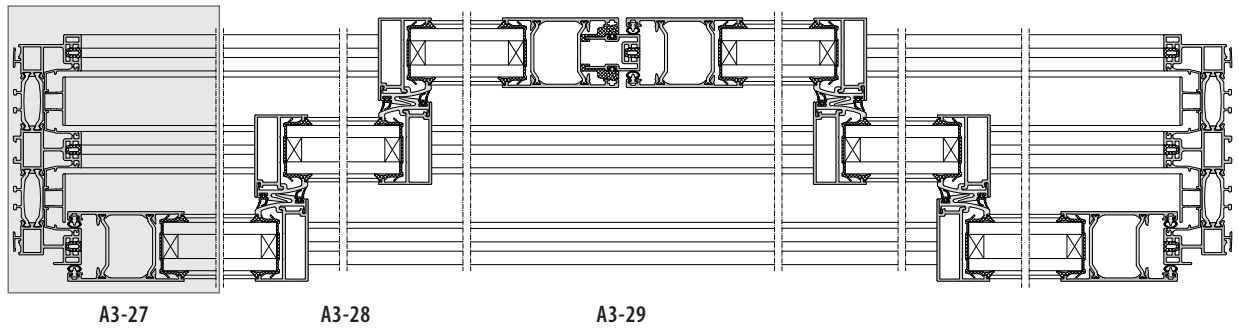
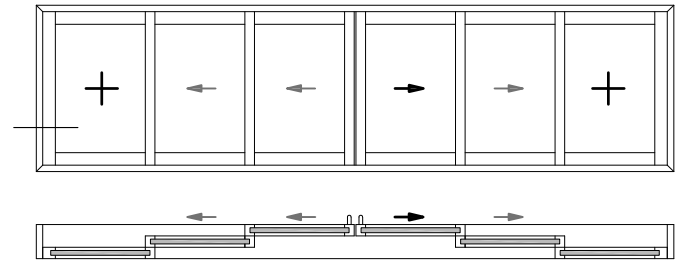
Artikel- und Systemzubehörtabellen siehe Seite A3-30  
Article- and system accessories tables see page A3-30

SCHEMA L - HORIZONTALSCHNITT  
 SCHEME L - HORIZONTAL SECTION

Maßstab / Scale 1:2

Schema L1 dargestellt / Schema L2 spiegelbildlich  
 Scheme L1 shown / Scheme L2 mirror-inverted

Schiebeflügel Sliding sash	Y	Z
B 822200	67	48
B 822210	77	58

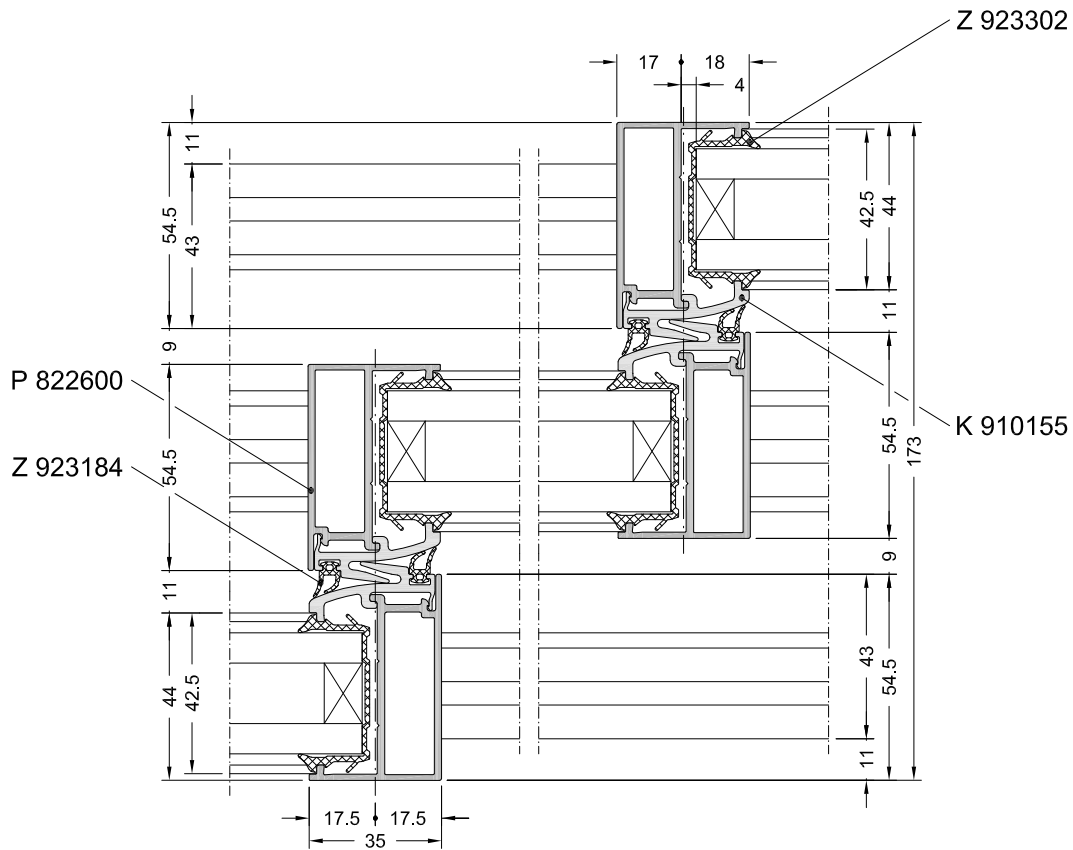
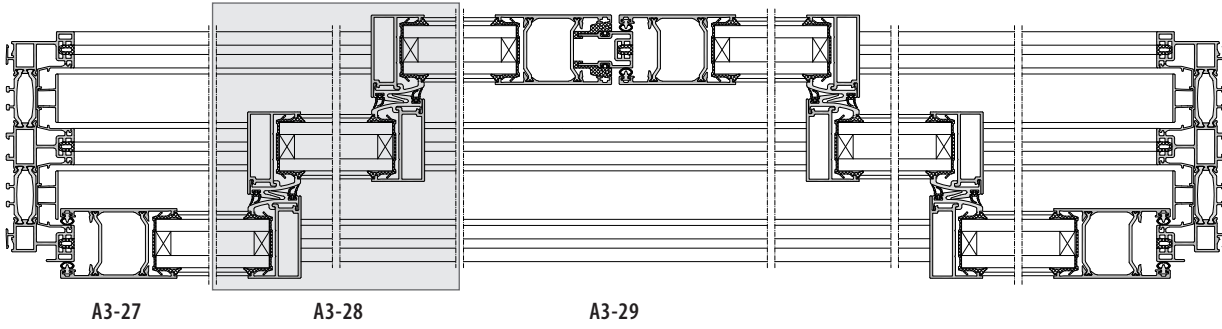
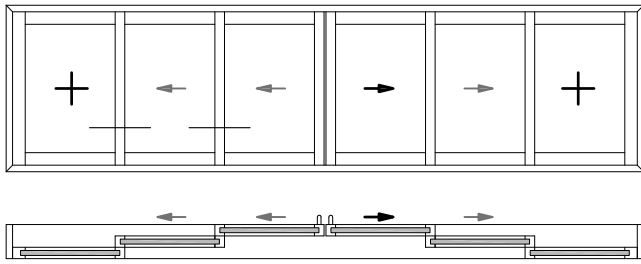


Artikel- und Systemzubehörtabellen siehe Seite A3-30  
 Article- and system accessories tables see page A3-30

SCHEMA L - HORIZONTALSCHNITT  
SCHEME L - HORIZONTAL SECTION

Schema L1 dargestellt / Schema L2 spiegelbildlich  
Scheme L1 shown / Scheme L2 mirror-inverted

Maßstab / Scale 1:2



Artikel- und Systemzubehörtabellen siehe Seite A3-30  
Article- and system accessories tables see page A3-30

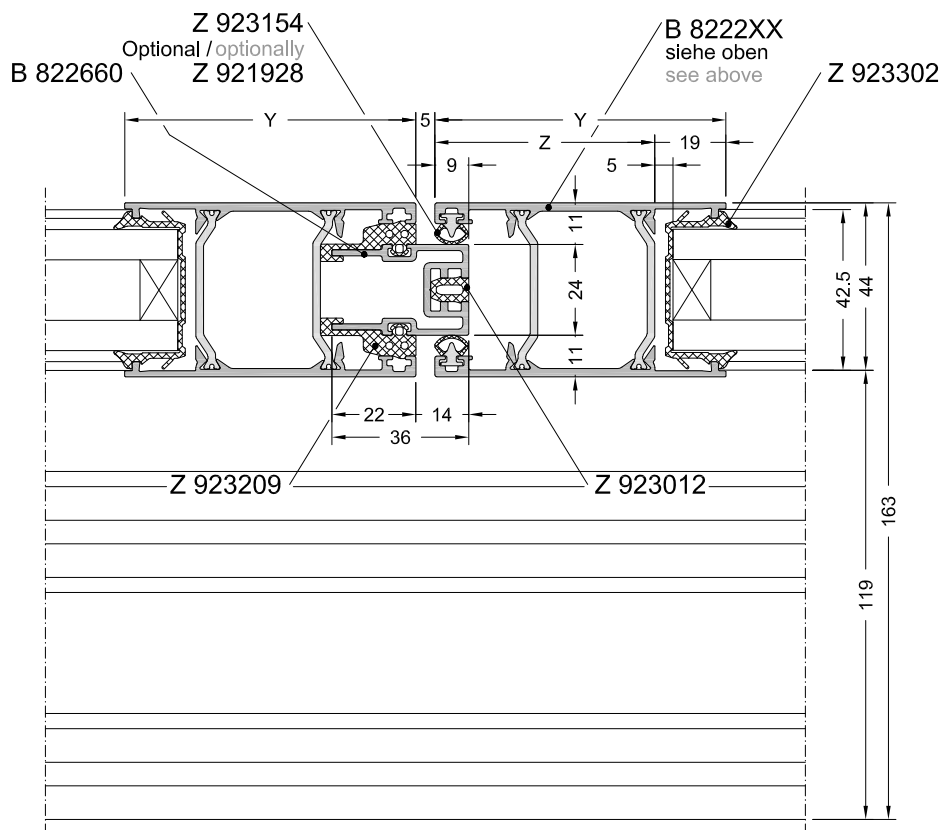
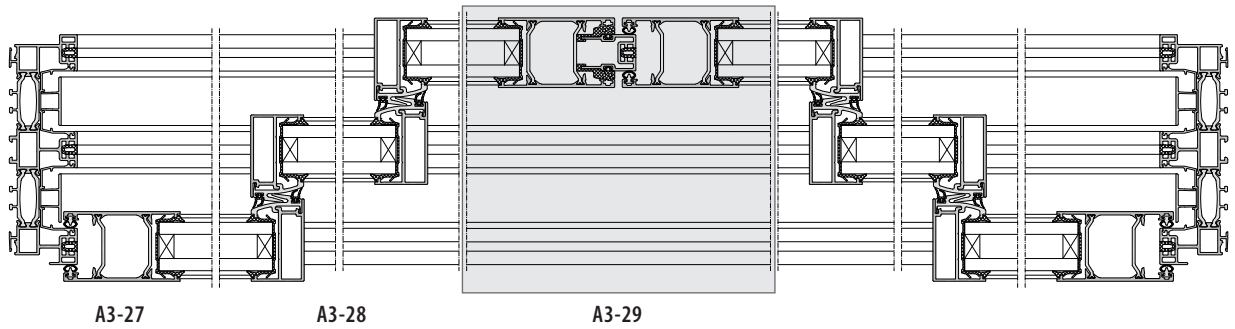
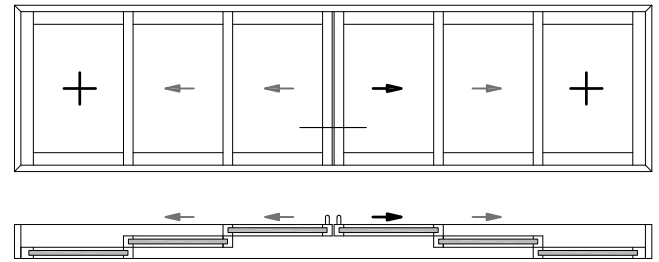


SCHEMA L - HORIZONTALSCHNITT  
 SCHEME L - HORIZONTAL SECTION

Maßstab / Scale 1:2


Schema L1 dargestellt / Schema L2 spiegelbildlich  
 Scheme L1 shown / Scheme L2 mirror-inverted

Schiebeflügel Sliding sash	Y	Z
B 822200	67	48
B 822210	77	58






Artikel- und Systemzubehörtabellen siehe Seite A3-30  
 Article- and system accessories tables see page A3-30

SCHEMA L - TABELLEN  
SCHEME L - TABLES




	<b>BLENDRAHMEN 152/45/45</b> FIXED FRAME 152/45/45	Art. Nr. / Art. no. <b>B 822011</b>
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 921087	Z 921087
 Eckverbinder / Corner cleat Kammer (III) Mitte Chamber (III) Center	20	Z 923051	
 Stift Nail	100	Z 911513	Z 911513

	<b>BLENDRAHMEN 177,5/45/45</b> FIXED FRAME 177,5/45/45	Art. Nr. / Art. no. <b>B 822013</b>
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 921087	Z 921087
 Eckverbinder / Corner cleat Kammer (III) Mitte Chamber (III) Center	20	Z 923051	
 Stift Nail	100	Z 911513	Z 911513

	<b>SCHIEBEFLÜGEL 46/67/--</b> SLIDING SASH 46/67/--	Art. Nr. / Art. no. <b>B 822200</b>
Lieferlänge (mm) / Stock length (mm)		6500

	<b>SCHIEBEFLÜGEL 46/77/--</b> SLIDING SASH 46/77/--	Art. Nr. / Art. no. <b>B 822210</b>
Lieferlänge (mm) / Stock length (mm)		6500

	<b>SCHIEBEFLÜGEL 46/55/42,5</b> SLIDING SASH 46/55/42,5	Art. Nr. / Art. no. <b>B 822201</b>
Lieferlänge (mm) / Stock length (mm)		6500

	<b>SCHIEBEFLÜGEL SL 35/54,5/--</b> SLIDING SASH SL 35/54,5/--	Art. Nr. / Art. no. <b>P 822600</b>
Lieferlänge (mm) / Stock length (mm)		6500

Systemzubehör entsprechend Profilschnitten  
System accessories according profile sections

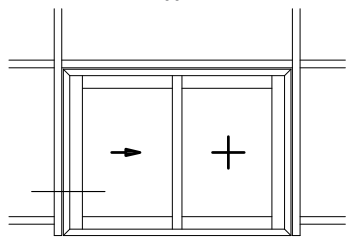
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	K 910155
Rahmenabdeckung, innen Frame cover, internal	Lieferlänge / Stock length 6500 mm	K 910157
Einsatzprofil für Rahmenabdeckung Insert profile for frame cover	Lieferlänge / Stock length 6500 mm	K 910158
L-Abdeckprofil L-Cover profile	Lieferlänge / Stock length 6500 mm	P 496456
Laufschiene, Aluminium (optional) Roller rail, aluminium (optionally)	Lieferlänge / Stock length 6500 mm	P 821700
Stoßprofil Joint profile	Lieferlänge / Stock length 6500 mm	P 822660
Schraube B 4.8 x 38 mm DIN 7981 Screw B 4.8 x 38 mm DIN 7981	100 Stück / pieces	Z 902989
Bürstendichtung 4.8 x 10 mm (optional) Woven pile weather strip 4.8 x 10 mm (optionally)	50 m	Z 921928
Laufschiene, Edelstahl (bis max. 200 kg Flügelgewicht) Roller rail, stainless steel (up to max. 200 kg sash weight)	Lieferlänge / Stock length 6500 mm	Z 923011
Abdeckdichtung Cover gasket	100 m	Z 923012
Abdeckkappe, weiß Cover cap, white	in Kombi in Combi.	Z 923027
Abdeckkappe, schwarz Cover cap, black	in Kombi in Combi.	Z 923028
Anschlagdichtung Rebate gasket	100 m	Z 923154
Labyrinthdichtung Labyrinth gasket	50 m	Z 923184
Dichtung für Profilanchluss Gasket for profile connection	25 m	Z 923209
Verglasungsdichtung Glazing gasket	50 m	Z 923302



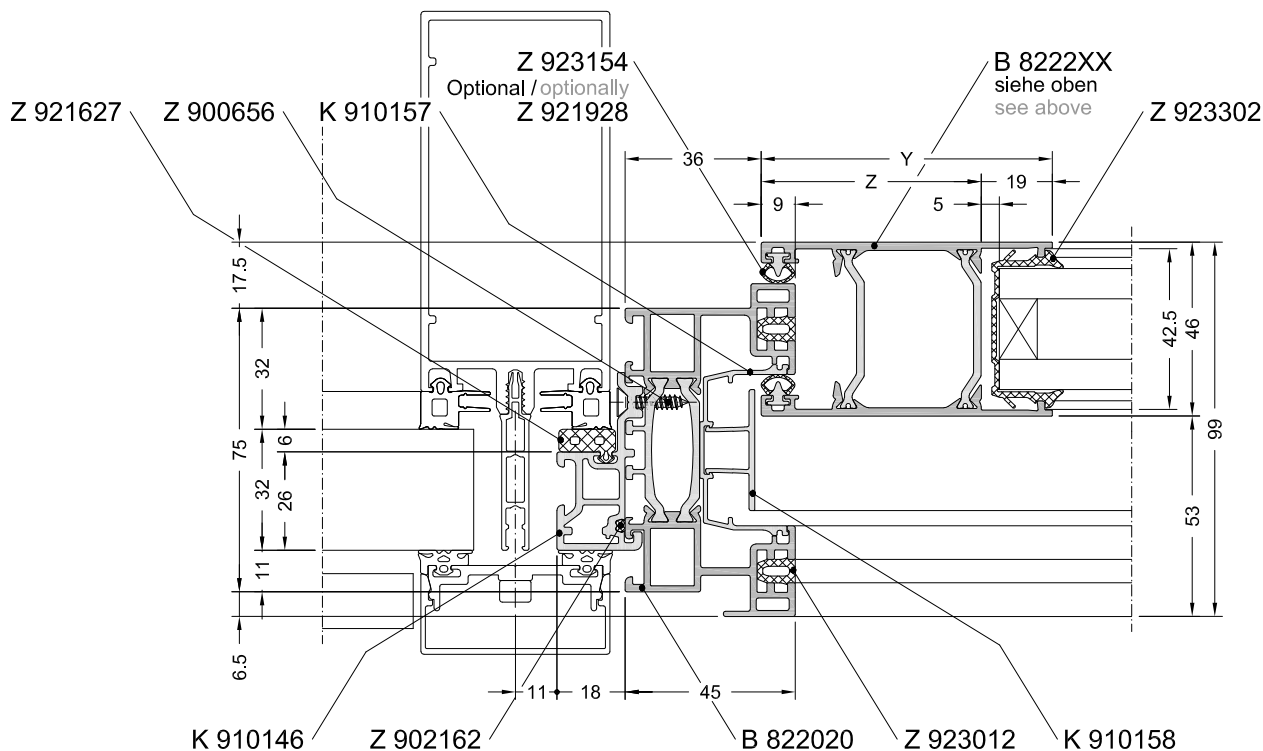
SONDERSCHNITTE - FASSADENANSCHLUSS  
SPECIAL SECTION - FAÇADE CONNECTION

Dargestellter Anschluss gilt für alle Schemata  
Shown connection applies to all schemes

Maßstab / Scale 1:2



Schiebeflügel Sliding sash	Y	Z
B 822200	67	48
B 822210	77	58



	BLENDRAHMEN 88/45/45 FIXED FRAME 88/45/45	Art. Nr. / Art. no. B 822020
	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 921087	Z 921087
Stift Nail	100	Z 911513	Z 911513

	SCHIEBEFLÜGEL 46/67/-- SLIDING SASH 46/67/--	Art. Nr. / Art. no. B 822200
	Lieferlänge (mm) / Stock length (mm)	6500

	SCHIEBEFLÜGEL 46/77/-- SLIDING SASH 46/77/--	Art. Nr. / Art. no. B 822210
	Lieferlänge (mm) / Stock length (mm)	6500

Systemzubehör entsprechend Profilschnitten  
System accessories according profile sections

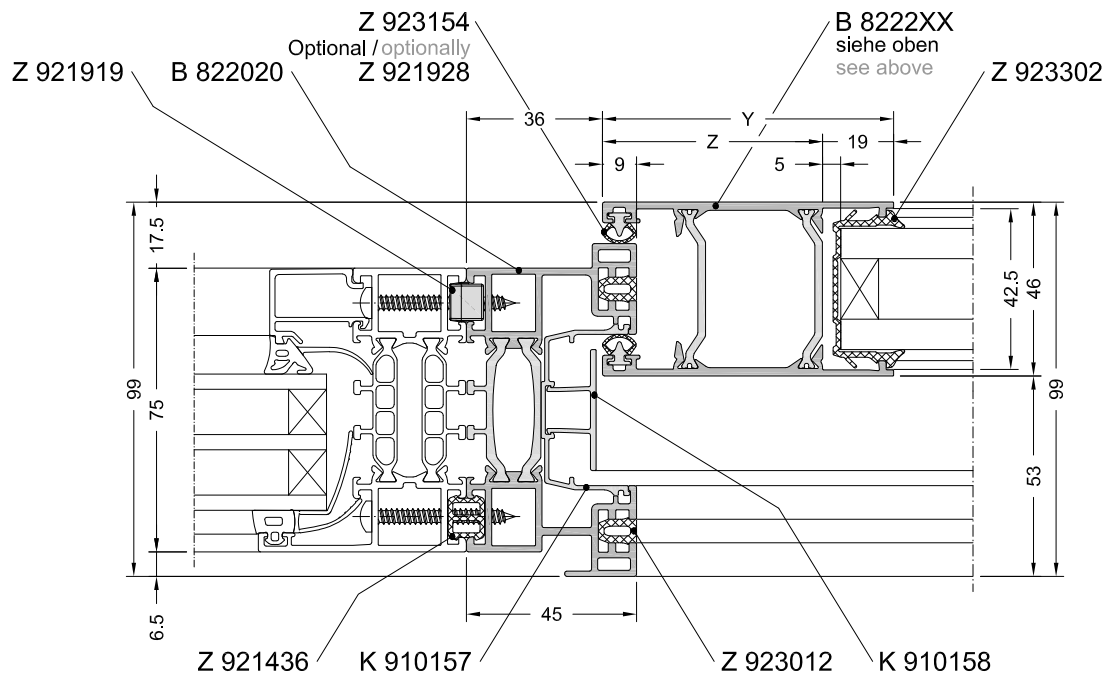
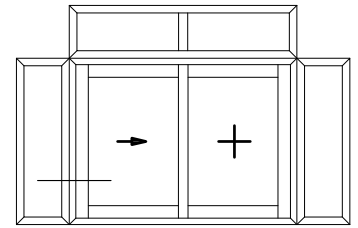
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Anschlussprofil Fassade, Kunststoff Connection profile facade, plastic	Lieferlänge / Stock length 6500 mm	K 910146
Rahmenabdeckung, innen Frame cover, internal	Lieferlänge / Stock length 6500 mm	K 910157
Einsatzprofil für Rahmenabdeckung Insert profile for frame cover	Lieferlänge / Stock length 6500 mm	K 910158
Schraube B 3.9 x 19 mm DIN 7982 Screw B 3.9 x 19 mm DIN 7982	100 Stück / pieces	Z 900656
Dichtung-Rundschnur Gasket cord	100 m	Z 902161
Falzaufdoppelung Einspannblendrahmen Rebate false edge interlocking fixed frame	50 m	Z 921627
Bürstendichtung 4.8 x 10 mm (optional) Woven pile weather strip 4.8 x 10 mm (optionally)	50 m	Z 921928
Abdeckdichtung Cover gasket	100 m	Z 923012
Anschlagdichtung Rebate gasket	100 m	Z 923154
Verglasungsdichtung Glazing gasket	100 m	Z 923302

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

Maßstab / Scale 1:2

Dargestellter Anschluss gilt für alle Schemata  
Shown connection applies to all schemes

Schiebeflügel Sliding sash	Y	Z
B 822200	67	48
B 822210	77	58



	BLENDRAHMEN 88/45/45 FIXED FRAME 88/45/45	Art. Nr. / Art. no. <b>B 822020</b>
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 921087	Z 921087
Stift Nail	100	Z 911513	Z 911513

	SCHIEBEFLÜGEL 46/67/-- SLIDING SASH 46/67/--	Art. Nr. / Art. no. <b>B 822200</b>
Lieferlänge (mm) / Stock length (mm)		6500

	SCHIEBEFLÜGEL 46/77/-- SLIDING SASH 46/77/--	Art. Nr. / Art. no. <b>B 822210</b>
Lieferlänge (mm) / Stock length (mm)		6500

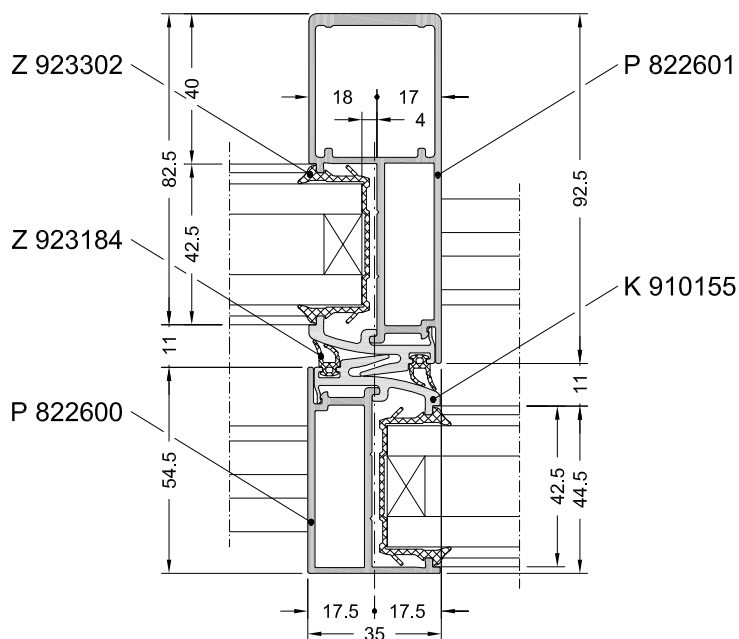
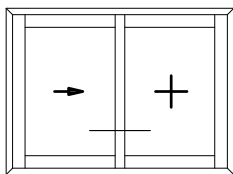
SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Rahmenabdeckung, innen Frame cover, internal	Lieferlänge / Stock length 6500 mm	K 910157
Einsatzprofil für Rahmenabdeckung Insert profile for frame cover	Lieferlänge / Stock length 6500 mm	K 910158
Dichtung für Blendrahmenstoß Gasket for fixed frame profile joint	50 m	Z 921436
Distanzstück Spacer piece	50 Stück / pieces	Z 921919
Bürstendichtung 4.8 x 10 mm (optional) Woven pile weather strip 4.8 x 10 mm (optionally)	50 m	Z 921928
Abdeckdichtung Cover gasket	100 m	Z 923012
Anschlagdichtung Rebate gasket	100 m	Z 923154
Verglasungsdichtung Glazing gasket	100 m	Z 923302


Systemzubehör entsprechend Profilschnitten  
System accessories according profile sections

SONDERSCHNITTE - STATISCHE VERSTÄRKUNG  
SPECIAL SECTION - STATICAL REINFORCEMENT

Dargestellter Anschluss gilt für alle Schemata  
Shown connection applies to all schemes

Maßstab / Scale 1:2



	SCHIEBEFLÜGEL SL 35/54.5/-- SLIDING SASH SL 35/54.5/--	Art. Nr. / Art. no. <b>P 822600</b>
Lieferlänge (mm) / Stock length (mm)		6500

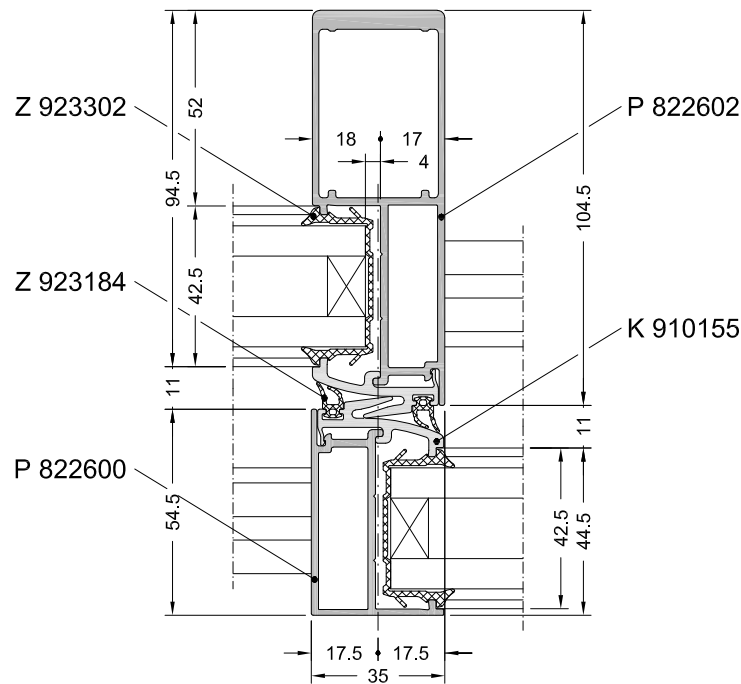
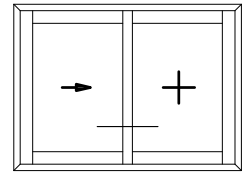
	STATIK SCHIEBEFLÜGEL SL 35/92.5/40 STATIC SLIDING SASH 35/92.5/40	Art. Nr. / Art. no. <b>P 822601</b>
Lieferlänge (mm) / Stock length (mm)		6500


SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	<b>K 910155</b>
Labyrinthdichtung Labyrinth gasket	50 m	<b>Z 923184</b>
Verglasungsdichtung Glazing gasket	100 m	<b>Z 923302</b>


SONDERSCHNITTE - STATISCHE VERSTÄRKUNG  
SPECIAL SECTION - STATICAL REINFORCEMENT

Maßstab / Scale 1:2

Dargestellter Anschluss gilt für alle Schemata  
Shown connection applies to all schemes



	SCHIEBEFLÜGEL SL 35/54.5/-- SLIDING SASH SL 35/54.5/--	Art. Nr. / Art. no. <b>P 822600</b>
Lieferlänge (mm) / Stock length (mm)		6500

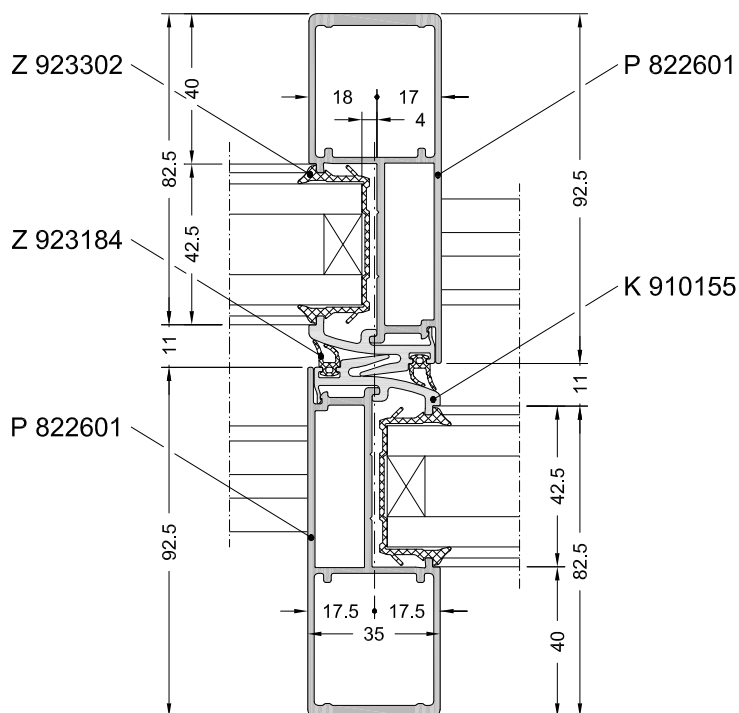
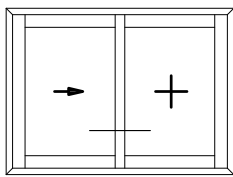
	STATIK SCHIEBEFLÜGEL SL 35/104.5/52 STATIC SLIDING SASH 35/104.5/52	Art. Nr. / Art. no. <b>P 822602</b>
Lieferlänge (mm) / Stock length (mm)		6500

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	<b>K 910155</b>
Labyrinthdichtung Labyrinth gasket	50 m	<b>Z 923184</b>
Verglasungsdichtung Glazing gasket	100 m	<b>Z 923302</b>

SONDERSCHNITTE - STATISCHE VERSTÄRKUNG  
SPECIAL SECTION - STATICAL REINFORCEMENT

Dargestellter Anschluss gilt für alle Schemata  
Shown connection applies to all schemes

Maßstab / Scale 1:2



STATIK SCHIEBEFLÜGEL SL 35/92.5/40  
STATIC SLIDING SASH 35/92.5/40  
Lieferlänge (mm) / Stock length (mm)

Art. Nr. / Art. no.  
**P 822601**  
6500

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES

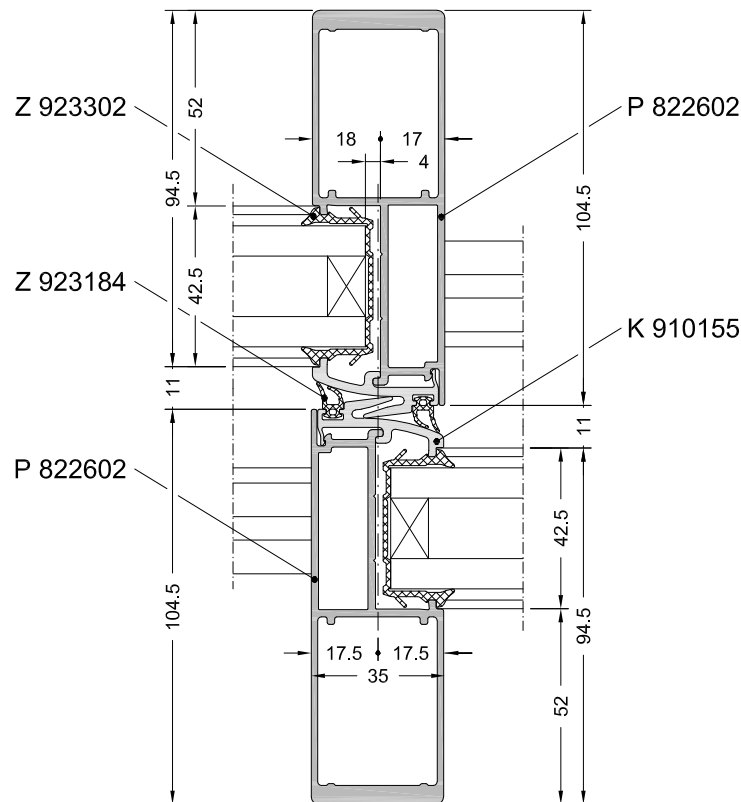
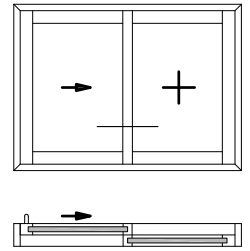
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	<b>K 910155</b>
Labyrinthdichtung Labyrinth gasket	50 m	<b>Z 923184</b>
Verglasungsdichtung Glazing gasket	100 m	<b>Z 923302</b>



SONDERSCHNITTE - STATISCHE VERSTÄRKUNG  
 SPECIAL SECTION - STATICAL REINFORCEMENT

Maßstab / Scale 1:2

Dargestellter Anschluss gilt für alle Schemata  
 Shown connection applies to all schemes



A3 Profilschnitte  
 Profile sections

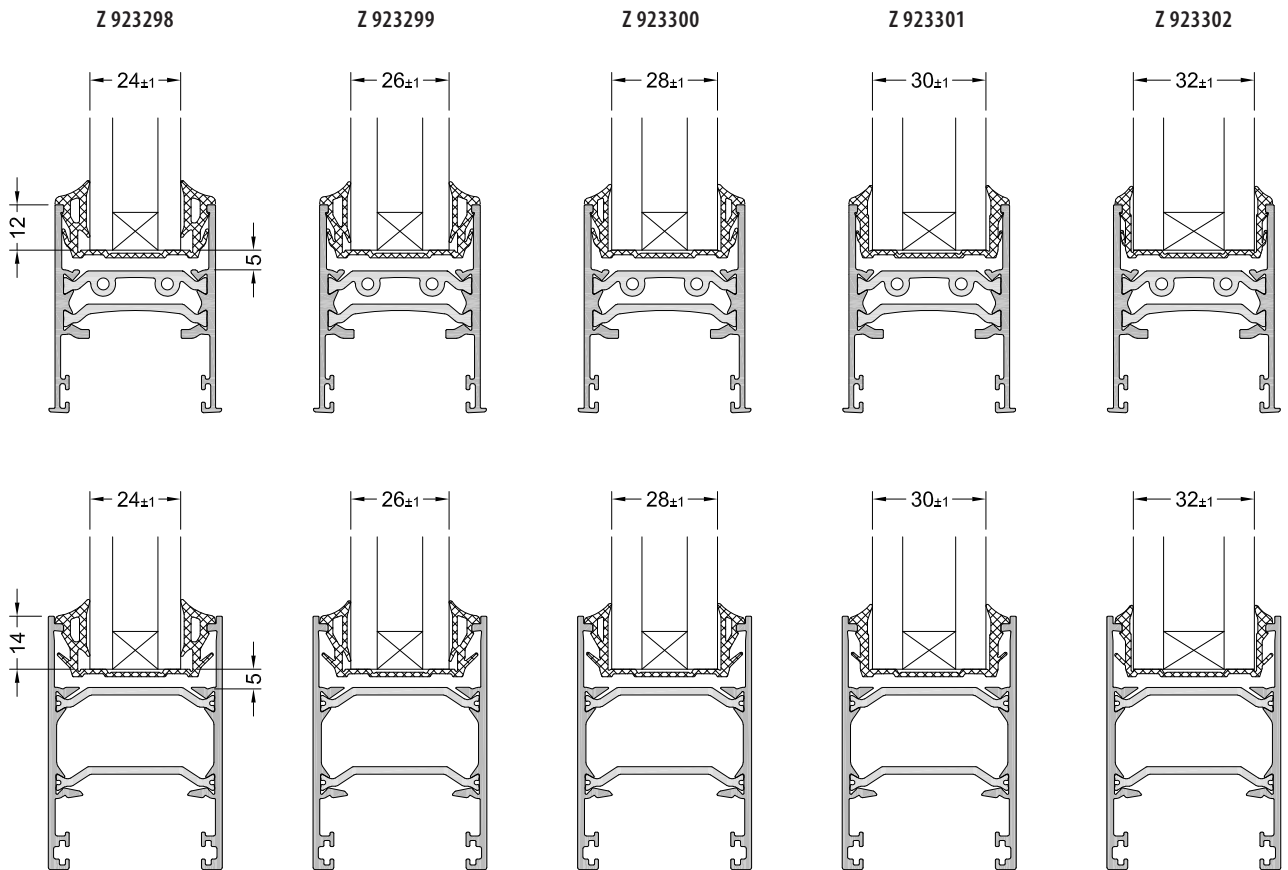
	STATIK SCHIEBEFLÜGEL SL 35/104.5/52	Art. Nr. / Art. no.
	STATIC SLIDING SASH 35/104.5/52	<b>P 822602</b>
	Lieferlänge (mm) / Stock length (mm)	6500

SYSTEMZUBEHÖR / SYSTEMS ACCESSORIES		
Artikelbezeichnung Article description	VE = Inhalt PU = Contents	Art. Nr. Art. no.
Labyrinthprofil, Kunststoff Cover profile, plastic	Lieferlänge / Stock length 6500 mm	<b>K 910155</b>
Labyrinthdichtung Labyrinth gasket	50 m	<b>Z 923184</b>
Verglasungsdichtung Glazing gasket	100 m	<b>Z 923302</b>



VERGLASUNG IM FLÜGEL  
 GLAZING IN THE SASH

Glasstärke (mm) Glass thickness (mm)	Verglasungsdichtungen / Glazing gaskets				
	VE / PU = 50 m				
	Art.-Nr. / Art. no.				
	Z 923298	Z 923299	Z 923300	Z 923301	Z 923302
24	●				
26		●			
28			●		
30				●	
32					●





BESCHLAGSTÜCKLISTE FÜR B 822200 UND B 822210  
FITTING PARTS LIST FOR B 822200 AND B 822210

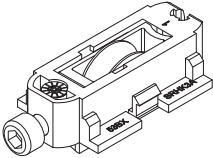
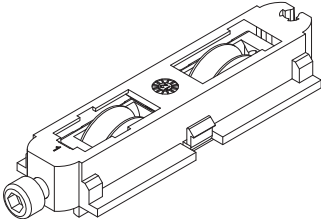
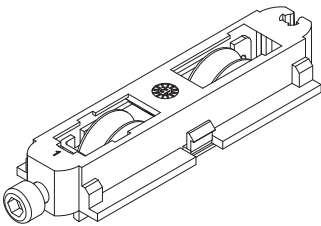
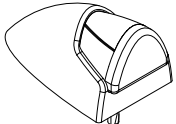
Art. Nr. Art. no.	Bezeichnung Designation	Größe Dimension	VE PU	Schema / Scheme A	Schema / Scheme D	Schema / Scheme C	Schema / Scheme F	Schema / Scheme E	Schema / Scheme L	
Z 923234	Laufwagen, höhenverstellbar, KS-Laufrollen Tandem roller, vertically adjustable, plastic roller	60 kg Flügelgewicht 60 kg Sash weight	4	4 x	4 x	8 x	8 x	6 x	12 x	
Z 923235	Laufwagen, höhenverstellbar, KS-Laufrollen Tandem roller, vertically adjustable, plastic roller	120 kg Flügelgewicht 120 kg Sash weight	4	4 x	4 x	8 x	8 x	6 x	12 x	
Z 923236	Laufwagen, höhenverstellbar, Edelstahl-Laufrollen Tandem roller, vertically adjustable, stainless steel roller	200 kg Flügelgewicht 200 kg Sash weight	4	4 x	4 x	8 x	8 x	6 x	12 x	

Z 981706	Muschelgriff mit Verriegelung Recessed handle with locking	208 mm	1	1 x	2 x	1 x	3 x	1 x	1 x	
Z 923181	Muschelgriff ohne Verriegelung Recessed handle without locking	208 mm	1	--	--	1 x	1 x	--	1 x	
<b>ODER / OR</b>										
Z 981647	Getriebschloss, 1-fach Verriegelung Gear lock, single-point locking	280 mm	1	1 x	2 x	1 x	3 x	1 x	1 x	
Z 981648	Getriebschloss, 2-fach Verriegelung Gear lock, double-point locking	700 mm	1	1 x	2 x	1 x	3 x	1 x	1 x	2. Verriegelung oben
Z 981649	Getriebschloss, 3-fach Verriegelung Gear lock, triple-point locking	1180 mm	1	1 x	2 x	1 x	3 x	1 x	1 x	
*Z 981650	Getriebschloss, 3-fach Verriegelung mit PZ-Lochung Gear lock, triple-locking with profile cylinder punch hole	1180 mm	1	1 x	2 x	1 x	3 x	1 x	1 x	
--	Griffauswahl Handle selection		1	1 x	2 x	2 x	4 x	1 x	2 x	
Z 923201	Lehre für Montage der Schließstücke, Getriebschloss Gauge for assembling of locking points, gear lock		3	1 x	1 x	1 x	1 x	1 x	1 x	Optional

Z 981702	Zusatzverriegelung Labyrinth, abschließbar Additional locking labyrinth, lockable		1	1 x	1 x	2 x	2 x	2 x	4 x	Optional
Z 923139	Anschlagpuffer Stop buffer		1	2 x	2 x	4 x	4 x	4 x	8 x	Optional

\* Nur für B 822210  
Only for B 822210

BESCHLAGKOMPONENTEN  
FITTING COMPONENTS

LAUFWAGEN		TANDEM ROLLER
	<b>Z 923234</b> VE = 4 Stück höhenverstellbar, KS-Laufrollen, 60 kg Flügelgewicht	PU = 4 pieces vertically adjustable, plastic roller, 60 kg sash weight
	<b>Z 923235</b> VE = 4 Stück höhenverstellbar, KS-Laufrollen, 120 kg Flügelgewicht	PU = 4 pieces vertically adjustable, plastic roller, 120 kg sash weight
	<b>Z 923236 31</b> VE = 4 Stück höhenverstellbar, Edelstahl-Laufrollen, 200 kg Flügelgewicht	PU = 4 pieces vertically adjustable, stainless steel roller, 200 kg sash weight
		
ANSCHLAGPUFFER		STOP BUFFER
	<b>Z 923139 00</b>	
	<b>Z 923139 02</b> VE = 1 Stück	PU = 1 piece
	<b>Z 923139 64</b>	
	57 x 30 x 33 mm	57 x 30 x 33 mm

BESCHLAGKOMPONENTEN  
 FITTING COMPONENTS

MUSCHELGRIFF

RECESSED HANDLE

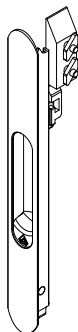
Z 981706 02  
 Z 981706 64

VE = 1 Stück

PU = 1 piece

klipsbar mit Verriegelung,  
 Größe 208 mm

clip-in with locking,  
 Size 208 mm



Z 923181 02  
 Z 923181 64

VE = 1 Stück

PU = 1 piece

klipsbar ohne Verriegelung,  
 Größe 208 mm

clip-in without locking,  
 Size 208 mm



BESCHLAGKOMPONENTEN  
FITTING COMPONENTS

ZUSATZVERRIEGELUNG LABYRINTH

ADDITIONAL LOCKING LABYRINTH

Z 981702 02

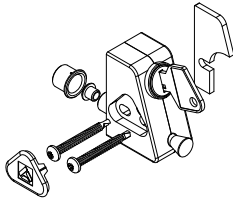
Z 981702 64 VE = 1 Stück

Z 981702 68

PU = 1 piece

abschließbar,

lockable,



RHOMBUSMUTTER

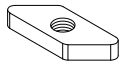
T-SLOT NUT

Z 923124 31 VE = 100 Stück

PU = 100 pieces

M4

M4



LEHRE

GAUGE

Z 923201 VE = 3 Stück

PU = 3 pieces


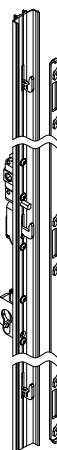
für Montage der Schließstücke,  
Getriebschloss

for assembling of locking points,  
gear lock





BESCHLAGKOMponentEN  
 FITTING COMPONENTS

GETRIEBESCHLOSS		GEAR LOCK	
	<b>Z 981647</b>	VE = 1 Stück 1-fach Verriegelung, mit Schließstück, 280 mm	PU = 1 piece Single-point locking, with locking point, 280 mm
	<b>Z 981648</b>	VE = 1 Stück 2-fach Verriegelung, mit Schließstücken, 700 mm	PU = 1 piece Double-point locking, with locking points, 700 mm
	<b>Z 981649</b>	VE = 1 Stück 3-fach Verriegelung, mit Schließstücken, 1180 mm	PU = 1 piece Triple-point locking, with locking points, 1180 mm
	<b>Z 981650</b>	VE = 1 Stück 3-fach Verriegelung, mit PZ-Lochung, mit Schließstücken, 1180 mm	PU = 1 piece Triple-point locking, with profile cylinder punch hole, with locking points, 1180 mm
			

BESCHLAGKOMPONENTEN  
FITTING COMPONENTS

GRIFFMUSCHEL

HANDLE RECESS

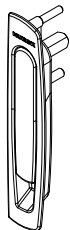
Z 923193 02  
Z 923193 64

VE = 1 Stück

PU = 1 piece

verdeckt für Standflügel

concealed for inactive sash



BÜGELGRIFF

BOW-TYPE HANDLE

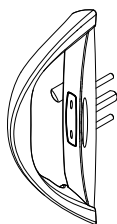
Z 981621 02  
Z 981621 64

VE = 1 Stück

PU = 1 piece

mit Betätigung

with operation



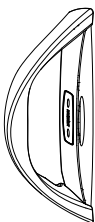
Z 981622 02  
Z 981622 64

VE = 1 Stück

PU = 1 piece

ohne Betätigung

without operation



Z 981623 02  
Z 981623 64

VE = 1 Stück

PU = 1 piece

mit kleiner Betätigung außen,  
inkl. Profilzylinder-Rosette

with small operation external,  
incl. profile cylinder rosette



Benötigt wird: 1 x Halbzylinder 25 mm oder 1 x Doppelzylinder 25 mm / 25 mm  
Required: 1 x Half cylinder 25 mm or 1 x double cylinder 25 mm / 25 mm

Z 981624 02  
Z 981624 64

VE = 1 Stück

PU = 1 piece

beidseitig,  
inkl. Profilzylinder-Rosette

on both sides,  
incl. profile cylinder rosette



Benötigt wird: 1 x Halbzylinder 25 mm oder 1 x Doppelzylinder 25 mm / 25 mm  
Required: 1 x Half cylinder 25 mm or 1 x double cylinder 25 mm / 25 mm

MUSCHELGRIFF

RECESSED HANDLE

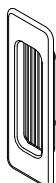
Z 917631 02  
Z 917631 64

VE = 1 Stück


PU = 1 piece


außen


external

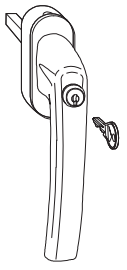


BESCHLAGKOMPONENTEN  
 FITTING COMPONENTS

HUECK GEN 4.0	FENSTERGRIF	WINDOW HANDLE	
	Z 923228 02	VE = 1 Stück	PU = 1 piece
	Z 923228 33		
	Z 923228 64		
	Z 923228 31		
	HUECK Fenstergriff für Getriebschloss, Vierkantstift Ø 7 x 33 mm, 43 mm Befestigungsabstand, ohne Befestigungsschrauben	HUECK window handle for gear lock, square pin Ø 7 x 33 mm, 43 mm fixing distance, without fixing screws	

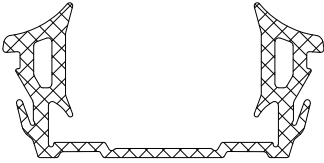
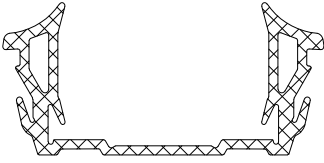
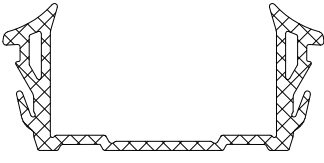
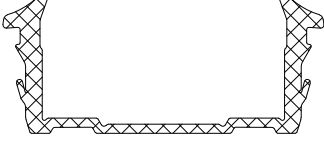
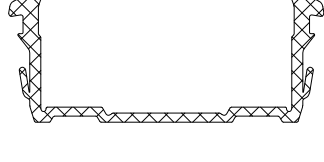
	BEFESTIGUNGSSCHRAUBE	FIXING SCREW	
	Z 906416	VE = 100 Stück	PU = 100 pieces
		Befestigungsschraube M5 x 30, DIN 965, für Fenstergriff Z 923228	Fixing screw M5 x 30, DIN 965, for window handle Z 923228

ROTO	GRIF	HANDLE	
	Z 981616 02	VE = 1 Stück	PU = 1 piece
	Z 981616 33		
	Z 981616 64		
	für Getriebschloss, Vierkantstift Ø 7 x 33 mm, 43 mm Befestigungsabstand	for gear lock, square pin Ø 7 x 33 mm, 43 mm fixing distance	

	Z 981617 02	VE = 1 Stück	RC	PU = 1 piece	RC
	Z 981617 33				
	Z 981617 64				
	für Getriebschloss, abschließbar, RC, Vierkantstift Ø 7 x 33 mm	for gear lock, lockable, RC, square pin Ø 7 x 33 mm			

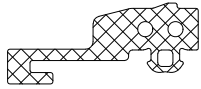


VERGLASUNGSDICHTUNGEN  
 GLAZING GASKETS

U - VERGLASUNGSDICHTUNG		U - GLAZING GASKET
<b>Z 923298 25</b>	VE = 50 m für 24 mm Verglasung EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 24 mm glazing EPDM, black Surface: gliding polymer
		
<b>Z 923299 25</b>	VE = 50 m für 26 mm Verglasung EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 26 mm glazing EPDM, black Surface: gliding polymer
		
<b>Z 923300 25</b>	VE = 50 m für 28 mm Verglasung EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 28 mm glazing EPDM, black Surface: gliding polymer
		
<b>Z 923301 25</b>	VE = 50 m für 30 mm Verglasung EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 30 mm glazing EPDM, black Surface: gliding polymer
		
<b>Z 923302 25</b>	VE = 50 m für 32 mm Verglasung EPDM, schwarz Oberfläche: Gleitpolymer	PU = 50 m for 32 mm glazing EPDM, black Surface: gliding polymer
		

ALLGEMEINE DICHTUNGEN  
GENERAL GASKETS

DICHTUNG MITTE		GASKET MIDDLE
<b>Z 923209</b>	VE = 25 m	PU = 25 m



für Schema C + F

for scheme C + F

ABDECKDICHTUNG		COVER GASKET
<b>Z 923012 25</b>	VE = 100 m	PU = 100 m



für Laufschiene-Nut

for roller rail groove

DICHTUNG		GASKET
<b>Z 923184 25</b>	VE = 50 m	PU = 50 m



für Labyrinthbereich, klein

for labyrinth area, small

BÜRSTENDICHTUNG		WOVEN PILE WEATHER STRIP
<b>Z 921928</b>	VE = 50 m	PU = 50 m



4,8 x 10 mm

4,8 x 10 mm

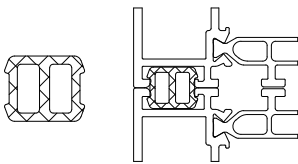
GLEITDICHTUNG		SLIDE GASKET
<b>Z 923154</b>	VE = 100 m	PU = 100 m



für Schiebetür

for sliding door

DICHTUNG		GASKET
<b>Z 921436 25</b>	VE = 50 m	PU = 50 m



Blendrahmenstoß, außen  
EPDM, schwarz

Fixed frame profile joint, external  
EPDM, black

ABDECKKAPPE • ENDKAPPE • KS-FORMTEIL • DISTANZSTÜCK  
 COVER CAPS • GLAZING BRIDGE • PLASTIC CLIP • SPACER PIECE

ABDECKKAPPE		COVER CAP
	<b>Z 923068</b> VE = 4 Stück für Statikpfosten <b>P 821601</b> und <b>P 821602</b> , schwarz	PU = 4 pieces for static mullion <b>P 821601</b> and <b>P 821602</b> , black
	<b>Z 923069</b> VE = 4 Stück für Statikpfosten <b>P 821601</b> und <b>P 821602</b> , weiß	PU = 4 pieces for static mullion <b>P 821601</b> and <b>P 821602</b> , white
	<b>Z 923321</b> VE = 10 Stück Entwässerungsbox, schwarz	PU = 10 pieces Drainbox, black
ENDKAPPE		END CAP
	<b>Z 923084</b> VE = 4 Stück für Wetterschenkel / Wasserrinne <b>P 496447</b> und <b>P 496456</b> , links und rechts, schwarz	PU = 4 pieces for weatherboard / water channel <b>P 496447</b> and <b>P 496456</b> , left and right, black
	<b>Z 923085</b> VE = 4 Stück für Wetterschenkel / Wasserrinne <b>P 496447</b> und <b>P 496456</b> , links und rechts, weiß	PU = 4 pieces for weatherboard / water channel <b>P 496447</b> and <b>P 496456</b> , left and right, white
	<b>Z 923100</b> VE = 4 Stück für angepresste Wasserrinne, links und rechts, schwarz	PU = 4 pieces for pressured water channel, left and right, black
	<b>Z 923101</b> VE = 4 Stück für angepresste Wasserrinne, links und rechts, weiß	PU = 4 pieces for pressured water channel, left and right, white
KUNSTSTOFF-FORMTEIL		PLASTIC SHAPED PIECE
	<b>Z 923210</b> VE = 4 Stück für Bedarfsflügel, unten + oben Schema C, F und L	PU = 4 pieces for inactive leaf, bottom + top scheme C, F and L
DISTANZSTÜCK		SPACER PIECE
	<b>Z 921919</b> VE = 50 Stück für Rahmenverbindung	PU = 50 pieces for fixed frame connection

KUNSTSTOFFPROFILE  
PLASTIC PROFILES

KUNSTSTOFFPROFILE		PLASTIC PROFILES
	<b>K 910155</b> VE = 1 Stück Labrinthprofil, klein (48) Länge = 6500 mm	PU = 1 piece Labyrinth profile, small (48) Length = 6500 mm
	<b>K 910157</b> VE = 20 Stück Rahmenabdeckung innen, Länge = 6500 mm	PU = 20 pieces Frame cover internal, Length = 6500 mm
	<b>K 910158</b> VE = 1 Stück Einsatzprofil für Rahmenabdeckung, Länge = 6500 mm	PU = 1 piece Insert profile for frame cover, Length = 6500 mm
	<b>K 910168</b> VE = 1 Stück V-Stulp für Schloß, Länge = 2400 mm	PU = 1 piece V-front plate for lock, Length = 2400 mm
	<b>K 910146</b> VE = 1 Stück Einspann-Adapter Länge = 6500 mm	PU = 1 piece Mounting adapter Length = 6500 mm

LAUFSCHIENE • UNTERLAGE  
ROLLER RAIL • BASE PLATE

LAUFSCHIENE		ROLLER RAIL
	<b>Z 923011 31</b> VE = 1 Stück Edelstahl, Länge = 6500 mm,	PU = 1 piece Stainless steel, Length = 6500 mm,
	<b>P 821700</b> VE = 1 Stück Aluminium, Länge = 6500 mm	PU = 1 piece Aluminium, Length = 6500 mm

ECKVERBINDER  
CORNER CLEAT

Art.-Nr. Art. no.	VE = Inhalt PU = Content	Profil Profile
<b>Z 921087</b>	20 Stück / pieces	B 822010 • B 822011 • B 822012 • B 822013 • B 822020 • B 822021 • B 822022 • B 822023
<b>Z 923051</b>	20 Stück / pieces	B 822011 • B 822013 • B 822021 • B 822023



ZUBEHÖRSÄTZE AUSWAHL  
ACCESSORY SETS SELECTION

Zubehörsatz, Rahmen Accessory sets, Frame									
Art.Nr. Art.no.	Bezeichnung Designation	VE PU	Schema A Scheme A	Schema D Scheme D	Schema C Scheme C	Schema F Scheme F	Schema E Scheme E	Schema L Scheme L	
Z 981708	Zubehörsatz Schema A + D Accessory set Scheme A + D	1	1	1	--	--	--	--	
Z 981709	Zubehörsatz Schema C + F Accessory set Scheme C + F	1	--	--	1	1	--	--	
Z 981710	Zubehörsatz Schema E Accessory set Scheme E	1	--	--	--	--	1	--	
Z 981711	Zubehörsatz Schema L Accessory set Scheme L	1	--	--	--	--	--	1	
Z 981716	Distanzklötze Standflügel Spacing block secondary leaf	2	1	--	1	--	1	2	

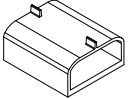
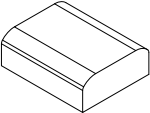

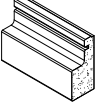
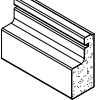
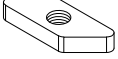

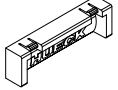
Zubehörsatz, Flügel B 822200 Accessory sets, Leaf B 822200									
Art.Nr. Art.no.	Bezeichnung Designation	VE PU	Schema A Scheme A	Schema D Scheme D	Schema C Scheme C	Schema F Scheme F	Schema E Scheme E	Schema L Scheme L	
schwarz black	weiß white								
Z 981712	Z 981713	Standardflügel Standard leaf	1	2	2	4	4	2	4
Z 981717	Z 981718	Zwischenflügel Intermediate leaf	1	--	--	--	--	1	2
Z 923210	Formteil Flügelstoss Shaped piece leaf joint	2	--	--	1	1	--	1	

Zubehörsatz, Flügel B 822210 Accessory sets, Leaf B 822210									
Art.Nr. Art.no.	Bezeichnung Designation	VE PU	Schema A Scheme A	Schema D Scheme D	Schema C Scheme C	Schema F Scheme F	Schema E Scheme E	Schema L Scheme L	
schwarz black	weiß white								
Z 981714	Z 981715	Standardflügel Standard leaf	1	2	2	4	4	2	4
Z 981717	Z 981718	Zwischenflügel Intermediate leaf	1	--	--	--	--	1	2
Z 923210	Formteil Flügelstoss Shaped piece leaf joint	2	--	--	1	1	--	1	

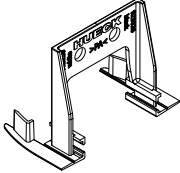


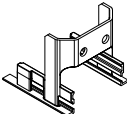
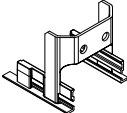
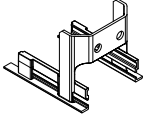
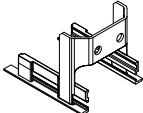
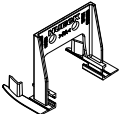

ZUBEHÖRSÄTZE RAHMEN • INHALT  
ACCESSORY SETS FRAME • CONTENT

Distanzklotz Standflügel Spacer block inactive sash		
Kombinummer / Comb. no.		Z 981716
Z 923208	Distanzklotz für Standflügel Spacer block for inactive sash	2
Z 923124	Rhombusmutter M 4 Rhombus nut M 4	2
Z 923358	Schraube M 4 x 16 DIN 965 A2 Screw M 4 x 16 DIN 965 A2	2

Zusatzverriegelung Labyrinth, abschließbar Additional locking labyrinth, lockable		
Kombinummer / Comb. no.		Z 981702
Z 923140	Verriegelung Labyrinth Locking labyrinth	1
Z 923355	Unterlegplatte 3 mm Base plate 3 mm	1

Abbildung Illustration	Art. Nr. Art. no.	Bezeichnung Designation	Kombi-Nr. / Comb. no.			
			Z 981708	Z 981709	Z 981710	Z 981711
			Anzahl / Quantity			
	Z 923020	Formteil Mitteldichtung Shaped piece centre seal gasket	2	4	4	8
	Z 923083	Einsatz für Z 923020 Insert for Z 923020	1	2	2	4
	Z 923202	Aushebesicherung Lift-up security	2	5	2	5
	Z 923053	Dichtstück Rahmen innen Sealing piece frame inside	2	4	2	4
	Z 923197	Dichtstück Rahmen mitte + aussen Sealing piece frame center + outside	2	4	6	12
	Z 923124	Rhombusmutter M 4 Rhombus nut M 4	2	5	2	5
	Z 923358	M4 x 16 DIN 965 M4 x 16 DIN 965	2	5	2	5
	Z 923321	Entwässerungsbox schwarz Drainbox black	1	2	1	2

ZUBEHÖRSÄTZE FLÜGEL • INHALT  
ACCESSORY SETS SASH • CONTENT

Abbildung Illustration	Art. Nr. Art. no.	Bezeichnung Designation	Kombi-Nr. / Comb. no.					
			Z 981712	Z 981713	Z 981714	Z 981715	Z 981717	Z 981718
			Anzahl / Quantity					
	Z 923026	Dichtungsführung Labyrinth schwarz Gasket guide, labyrinth, black	2	--	2	--	4	--
	Z 923027	Abdeckung Flügel weiß Sash cover, white	--	2	--	2	--	4
	Z 923028	Abdeckung Flügel schwarz Sash cover, black	2	--	2	--	4	--
	Z 923037	Dichtungsführung Flügel schwarz Gasket guide, sash, black	2	--	--	--	--	--
	Z 923038	Dichtungsführung Flügel weiß Gasket guide, sash, white	--	2	--	--	--	--
	Z 923203	Dichtungsführung Flügel schwarz Gasket guide, sash, black	--	--	2	--	--	--
	Z 923204	Dichtungsführung Flügel weiß Gasket guide, sash, white	--	--	--	2	--	--
	Z 923259	Dichtungsführung Labyrinth weiß Gasket guide, labyrinth, white	--	2	--	2	--	4
	Z 914853	Sonderschraube Ø 5 x 50 mm Special screw Ø 5 x 50 mm	8	8	8	8	8	8

PFLEGE- UND REINIGUNGSMITTEL  
CLEANING AND MAINTAINANCE PRODUCTS

OBERFLÄCHENREINIGER		SURFACE CLEANER	
<b>Z 902477</b>	VE = 1 Stück 300 g Spraydose	PU = 1 piece	300 g aerosol can



Oberflächenreiniger, für anodisierte Profile zur Reinigung verschmutzter Profile

Surface cleaner, for anodized profiles, for cleaning contaminated profiles

SICHERUNGSLACK		SAFETY PAINT	
<b>Z 902783</b>	VE = 1 Stück 50 cm <sup>3</sup> - Flasche	PU = 1 piece	50 cm <sup>3</sup> bottle



Sicherungslack für Schraubverbindungen

Safety paint for screw connections, PU = 50 cm<sup>3</sup> bottle

SCOTCH-BRITE-FASERVLIES		SCOTCH-BRITE-CLOTH	
<b>Z 904893</b>	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	
<b>Z 904894</b>	VE = 1 Stück	PU = 1 piece	



Vlies Handpad, superfein

Fibre hand pad, ultra fine

GLEITMITTEL FLÜSSIG		LUBRICANT LIQUID	
<b>Z 914494</b>	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"	COMPONENT "A"
Z 903100 VE = 1 Stück	PU = 1 piece



Komponente "A", 1000 g Dose,  
 wird im Verhältnis 1:1 gemischt

Component "A", 1000 g tin,  
 to be mixed at a ratio of 1:1

KOMPONENTE "B"	COMPONENT "B"
Z 903101 VE = 1 Stück	PU = 1 piece



Komponente "B", 1000 g Dose,  
 wird im Verhältnis 1:1 gemischt

Component "B", 1000 g tin,  
 to be mixed at a ratio of 1:1

ABTÖNPASTE	COLOURING PASTE
Z 909739 VE = 1 Stück	PU = 1 piece



Abtönpaste, zur Mischung mit  
 den Metallklebern geeignet  
 Farbton: weiß  
 Mischverhältnis 0.5 - 1.5 %

Colouring paste, suitable for  
 mixing with metal glues  
 Colour: white  
 Mixing ratio 0.5 - 1.5 %

MISCHSCHALE	MIXING BOWL
Z 900462 VE = 1 Stück	PU = 1 piece



Mischschale

Mixing bowl

ZWEIKOMPONENTENKLEBER	TWO-COMPONENT GLUE
Z 922656 VE = 6 Stück	PU = 6 pieces



Zweikomponentenkleber  
 in Duo-Kartuschen, 620 ml

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 pieces

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

SPEZIAKLEBER

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

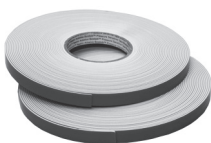
PU = 1 piece

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



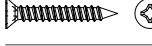

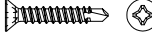
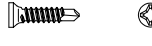
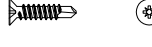

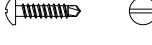




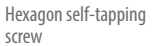


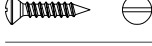








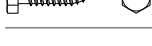

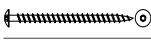

High performance adhesive tape, white,  
for fixing the intersash door panellings,  
15 x 2 mm, length = 16,5 m

Kleb- und Dichtstoffe zur Abdichtung aller Konstruktionsfugen.  
Zur Verarbeitung Handpistole für Folienkartuschen verwenden.

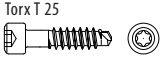






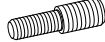



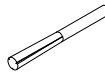

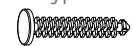
Sealing material for all construction joints.  
For processing use hand pistol for foil cartridges.

KLEB- UND DICHTSTOFF		SEALING MATERIAL	
	<b>Z 912717</b> VE = 1 Stück 400 ml Folienkartusche EPDM verträglich, silikonfrei, <b>GRAU</b>	PU = 1 piece 400 ml foil cartridge Suitable with EPDM, without silicone, <b>GREY</b>	
	<b>Z 912718</b> VE = 1 Stück 400 ml Folienkartusche EPDM verträglich, silikonfrei, <b>SCHWARZ</b>	PU = 1 piece 400 ml foil cartridge Suitable with EPDM, without silicone, <b>BLACK</b>	
KLEBER		GLUE	
<b>EPDM</b>	<b>Z 903941</b> VE = 1 Stück 200 g Tube Zum Abdichten der Gehrungsstöße bei den Verglasungsdichtungen, Verarbeitungstemperatur 12 °- 40 °C, Haltbarkeit 6 Monate, <b>SCHWARZ</b>	PU = 1 piece 200 g tube For sealing mitre joints on glazing gaskets, processing temperature 12 °- 40 °C, durability 6 months, <b>BLACK</b>	
			
<b>SILIKON / SILICONE</b>	<b>Z 918856</b> VE = 1 Stück 90 ml Tube Zum Verkleben der Dichtungsstöße von Silikondichtungen <b>TRANSPARENT</b>	PU = 1 piece 90 ml tube To glue gasket joints of silicon gaskets, <b>TRANSPARENT</b>	
			
SEKUNDENKLEBER		SUPER GLUE	
	<b>Z 900931</b> VE = 1 Stück 20 g Flasche Verarbeitungstemperatur +20°C Spaltüberbrückung max. 0,1 mm Lagerfähigkeit bei +15 ° - +25 °C ca. 12 Monate <b>TRANSPARENT</b>	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, <b>TRANSPARENT</b>	
			
SELBSTHAFTENDE FOLIE		SELF-ADHESIVE FOIL TAPE	
	<b>Z 918977</b> 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: <b>WEISS</b> 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: <b>WHITE</b> with Hueck logo image. Available width 1,25 m for self-cut. Six months suitable for storage.	
			

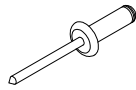

**SCHRAUBEN**  
**SCREWS**







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.									
	100	A2	DIN 965	M 5 x 6	Z 908626		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									
				M 5 x 45	Z 919076					ST 4.2 x 13	Z 911893									
M 5 x 50	Z 913306	ST 4.2 x 16	Z 902297																	
	100	A2	DIN 7982 CH	ST 3.5 x 25	Z 917540		100	mit U-Scheibe with washer	DIN 7981 SO	ST 4.2 x 22	Z 903709									
	100	A2	DIN 7504-P B	ST 3.9 x 25	Z 905079				A2	DIN 7981	ST 4.2 x 22	Z 908956								
											ST 4.2 x 38	Z 908870								
											ST 4.8 x 9.5	Z 913156								
											ST 4.8 x 13	Z 902192								
											ST 4.8 x 14	Z 912668								
												100	A2	DIN 7504 SO	ST 3.5 x 16	Z 911050	A2	Sonder-Torx Special-Torx	ST 4.8 x 16	Z 902162
																			ST 4.8 x 19	Z 900467
																			ST 4.8 x 22	Z 906822
																			ST 4.8 x 25	Z 901164
	100	A2	DIN 7504 OZ	ST 4.2 x 19	Z 917187	A2	A2	ST 4.8 x 19	Z 902162											
								ST 4.8 x 32	Z 900467											
								ST 4.8 x 22	Z 906822											
								ST 4.8 x 25	Z 901164											
	100	A2	DIN 7504 D SO	ST 4.8 x 19	Z 908960	A2	A2	ST 4.8 x 32	Z 902162											
								ST 4.8 x 38	Z 901164											
								ST 4.8 x 38	Z 917639											
	100	A2	DIN 7504 D SO	ST 4.8 x 19	Z 908960	DIN 7504 P-H	A2	ST 4.8 x 32	Z 902162											
										ST 3.9 x 25	Z 921817									
	100	A2	DIN 7504	DG 50 x 16	Y 242790		100	A2	DIN 7982	ST 3.9 x 9.5	Z 901411									
	100	A2	DIN 7504	ST 3.9 x 25	Y 242310				A2	DIN 7982	ST 3.9 x 13	Z 900920								
											ST 4.2 x 32	Z 912426	ST 3.9 x 19	Z 900656						
	100	A2	DIN 7972	ST 4.8 x 32	Z 900882				A2	DIN 7982	ST 3.9 x 32	Z 907845								
												100	A2	DIN 7973	ST 4.8 x 19	Z 900188	A2	DIN 7982	ST 3.9 x 38	Z 903451
																			ST 4.8 x 16	Z 900460
	100	1.4567 (A2)	DIN 2768	ST 4.8 x 13	Z 917133				A2	DIN 7985	ST 4.2 x 13	Z 902204								
												100	A2	DIN 7976	ST 4.8 x 19	Z 903432	A2	DIN 7985	ST 4.2 x 16	Z 904057
ST 4.8 x 25	Z 900957																			
	100	A2	DIN 7972	ST 4.8 x 32	Z 900882				A2	DIN 7982	ST 4.2 x 22	Z 901499								
							100	A2			DIN 7973	ST 4.8 x 19	Z 900188	A2	DIN 7982	ST 4.2 x 22	Z 913238			
																	100	1.4567 (A2)	DIN 2768	ST 4.8 x 13
						ST 4.8 x 28	Z 911476													
	100	A2	DIN 7973	ST 4.8 x 19	Z 900188	A2	DIN 7982	ST 4.8 x 28	Z 911476											
									100	1.4567 (A2)	DIN 2768	ST 4.8 x 13	Z 917133	A2	DIN 7982	ST 4.8 x 32	Z 906602			
ST 4.8 x 40	Z 900884																			
	100	A2	DIN 7976	ST 4.8 x 19	Z 903432	A2	DIN 7985	ST 4.8 x 40	Z 900884											
									100	1.4567 (A2)	DIN 2768	ST 4.8 x 13	Z 917133	A2	DIN 7982	ST 4.8 x 50	Z 907796			
																ST 4.8 x 50	Z 907796			
	100	A2	DIN 7972	ST 4.8 x 32	Z 900882	A2	DIN 7982	ST 4.8 x 50	Z 900883											
									100	1.4567 (A2)	DIN 2768	ST 4.8 x 13	Z 917133	A2	DIN 7982	ST 4.8 x 70	Z 900885			
																	100	1.4567 (A2)	DIN 2768	ST 4.8 x 13
ST 4.8 x 80	Z 923155																			
	100	A2	DIN 7982	ST 5 x 24	Z 921105	A2	DIN 7982	ST 5 x 24	Z 921105											
									100	A2	DIN 7985	ST 4.5 x 70	Z 921411	A2	DIN 7985	ST 4.5 x 70	Z 921411			
	100	A2	DIN 7985	M 5 x 12	Z 902197	A2	DIN 7985									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>Torx T 25</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	SO.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			 <p>Gewindestange Threaded rod</p>	100	A2	DIN 975	M 8 x 20	Z 906359
										M 8 x 40	Z 913375
 <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 85	Z 900929
				ST 4.8 x 16	Z 914198					M 8 x 95	Z 911163
 <p>Sonderschraube Special screw</p>	100	A2	DIN 7504 OZ ISO 15482	4.8 x 22	Z 921163	 <p>Kegelstift Tapered pin</p>	100	ALU		M 8 x 28	Z 908394
 <p>Sonderschraube Special screw</p>	100	A2 Torx T 25		M5 x 20	Z 921164	 <p>Kerbstift Notch pin</p>	100	A2	DIN 1472	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>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		7.25 x 12	Z 906971
										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
										4 x 8	Z 911437
18 mm	Z 917184										

**NIETE  
RIVETS**

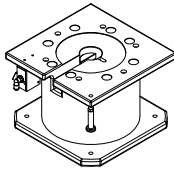
Abbildung / Art Illustration / Type	VE PU	Bezeichnung Designation	Bohrloch Ø Drill hole Ø	Klemmbereich (mm) Clamping area (mm)	Abmessung Dimension	Art.-Nr. Art. no.
 <p>Blindniet Blind rivet</p>	500	Flachkopf Flat head	3.1	3.5 - 4.5	3 x 7	Z 902198
			100 500		3.3	3.0 - 5.0
	500	Flachkopf schwarz RAL 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

MUTTERN 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.
 Hutmutter Cap nut	100		DIN 917	M 8	Z 900943	 Dichtscheiben Washer	100	A2 Neoprendichtung Neoprene gasket		9.5 x 5.1 x 1	Y 242560
 Alu-Nietmutter Aluminium rivet nut	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
 Alu-Nietmutter Aluminium rivet nut	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 10.5	Z 901140
	250			M6 x 9 x 15.5	Z 902164			Scheibe Washer	DIN 125	A 13	Z 902747
 Sechskant-Mutter Hexagonal nut	100	A2	DIN 934	M5	Z 901132			Scheibe Washer	DIN 126	A 10.5	Z 902006
				M6	Z 901135			Neoprendichtung Neoprene gasket		10 x 4.5 x 3	Z 908069
 Sechskant-Mutter, selbstsichernd Hexagonal nut, self locking	100	A2	DIN 985	M6	Z 906834			Kontaktscheibe Contact washer		M 10	Z 908918
				M10 x 8	Z 908883						

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.
 Spannhülse Clamping sleeve	100	A2	DIN 1481	5 x 8	Z 903108	 Federring Spring washer	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

ANTRIEBSEINHEIT • WERKZEUGAUFNAHME • ARBEITSTISCH • LÄNGENANSCHLAG  
 DRIVE UNIT • TOOL HOLDER • WORKING TABLE • LENGTH STOP

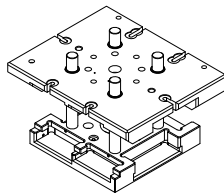
ANTRIEBSEINHEIT		DRIVE UNIT
Z 981430	VE = 1 Stück	PU = 1 piece



Antriebseinheit für  
 Werkzeugaufnahme Z 981431

Drive unit for  
 tool holder Z 981431

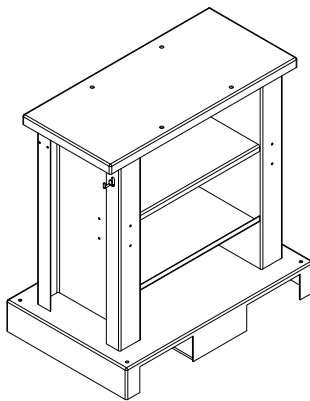
WERKZEUGAUFNAHME		TOOL HOLDER
Z 981431	VE = 1 Stück	PU = 1 piece



Werkzeugaufnahme für  
 Antriebseinheit Z 981430

Tool holder for  
 drive unit Z 981430

ARBEITSTISCH		WORKING TABLE
Z 981432	VE = 1 Stück	PU = 1 piece



Arbeitstisch zur Aufnahme  
 der Antriebseinheit Z 981430

Working table for mounting  
 the drive unit Z 981430

LÄNGENANSCHLAG		LENGTH STOP
Z 981433	VE = 1 Stück	PU = 1 piece



montierbar an Antriebseinheit Z 981430

mountable on drive unit Z 981430

STANZGESTELL • ADAPTER  
PUNCHING RACK • ADAPTER

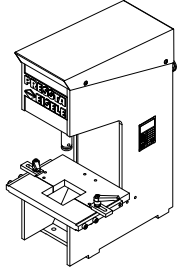
STANZGESTELL

**Z 981282** VE = 1 Stück

Stanzgestell für Stanzwerkzeughöhe 143 mm,  
Hub 28 mm  
Auslösung des Stanzvorgangs mit Fußventil

Zusammen mit **Z 981501** als Alternative zur  
Stanze **Z 981431** verwendbar

Bei Bedarf Adapter **Z 921474** (Länge = 97 mm),  
oder **Z 921485** (Länge = 94 mm)  
separat bestellen!



PUNCHING RACK

PU = 1 piece

Punching rack for punching tool height 143 mm,  
stroke 28 mm  
Punching process triggered by foot valve

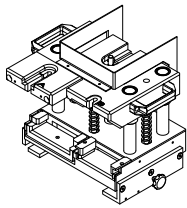
In combination with **Z 981501** usable as  
an alternative for punching tool **Z 981431**

Order adapter **Z 921474** (length = 97 mm),  
or **Z 921485** (length = 94 mm)  
separately if needed!

WERKZEUGADAPTER FÜR C-GESTELL

**Z 981501** VE = 1 Stück

zur Aufnahme in **Z 981282**



TOOL ADAPTER FOR C-PUNCHING RACK

PU = 1 piece

for housing in **Z 981282**

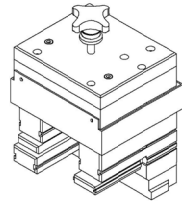
STANZWERKZEUGE FÜR WERKZEUGAUFNAHME Z 981431  
 PUNCHING TOOLS FOR TOOL HOLDER Z 981431



STANZWERKZEUG		PUNCHING TOOL	
<b>Z 981614</b>		VE = 1 Stück	
		PU = 1 piece	

Profile  
 Profiles

- B 822600
- B 822601
- B 822602



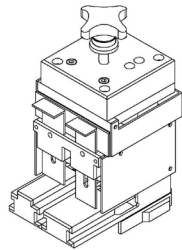
für Laufschieneöffnung,  
 ungedämmter Flügel

for roller rail opening,  
 more uninsulated sash

<b>Z 981615</b>		VE = 1 Stück	
		PU = 1 piece	

Profile  
 Profiles

- B 822200
- B 822210



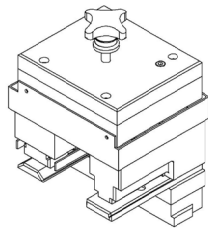
für Laufschieneöffnung,  
 gedämmter Flügel

for roller rail opening,  
 more insulated sash

<b>Z 981719</b>		VE = 1 Stück	
		PU = 1 piece	

Profile  
 Profiles

- B 822200
- B 822210
- B 822600
- B 822601
- B 822602



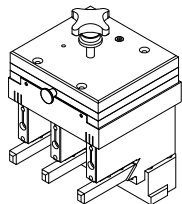
Lochung für alle Flügel

punching of all sashes

<b>Z 981509</b>		VE = 1 Stück	
		PU = 1 piece	

Profile  
 Profiles

- B 822010
- B 822011
- B 822012
- B 822013
- B 822020
- B 822021
- B 822022
- B 822023



für Profilverbindung,  
 für Eckverbinder,  
 Bearbeitung für alle Rahmen

for profile connection,  
 for corner connections,  
 processing for all frames

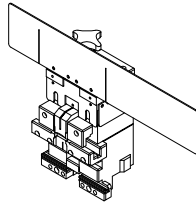
STANZWERKZEUGE FÜR WERKZEUGAUFNAHME Z 981431  
PUNCHING TOOLS FOR TOOL HOLDER Z 981431



STANZWERKZEUG		PUNCHING TOOL
<b>Z 981511</b>	VE = 1 Stück	PU = 1 piece

**Profile**  
Profiles

- B 822010
- B 822011
- B 822012
- B 822013
- B 822020
- B 822021
- B 822022
- B 822023



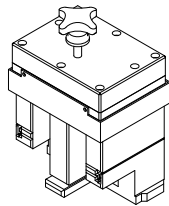
für Entwässerung Rahmen,  
Bearbeitung für Blendrahmen

for drainage fixed frame,  
processing for fixed frames

<b>Z 981512</b>	VE = 1 Stück	PU = 1 piece
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**Profile**  
Profiles

- K 910157
- K 910158



für Wasserablaufschlitze

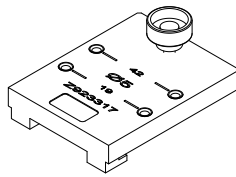
for drainage slots

BOHRSCHABLONEN  
 DRILLING JIGS

	BOHRSCHABLONEN	DRILLING JIGS
	Z 923317 VE = 1 Stück	PU = 1 piece

Profile  
 Profiles

- B 822010
- B 822012
- B 822020
- B 822022



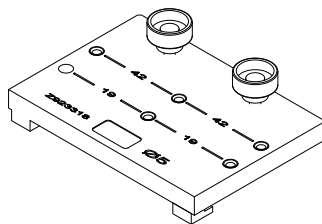
für Eck- und Stoßverbindung  
 Rahmen 59 mm

for corner and profile T-joint connection  
 frame 59 mm

	Z 923318 VE = 1 Stück	PU = 1 piece
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Profile  
 Profiles

- B 822011
- B 822013
- B 822021
- B 822023



für Eck- und Stoßverbindung  
 Rahmen 61,5 mm

for corner and profile T-joint connection  
 frame 61,5 mm

HINWEIS

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.

NOTE

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.



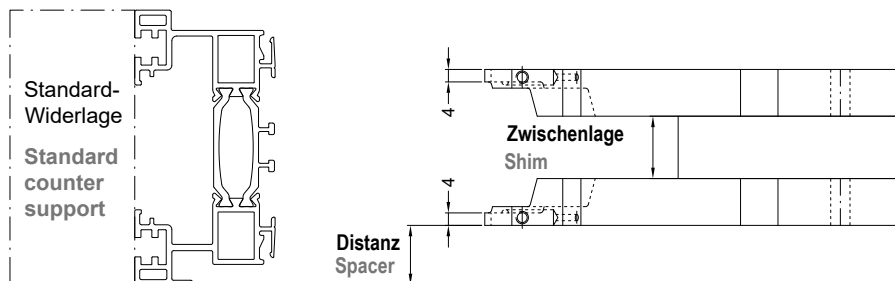
STANZMESSER UND ZWISCHENLAGEN FÜR PRESSTA 1800 / 2000 (PV 10)  
PUNCHING KNIVES AND SHIMS FOR PRESSTA 1800 / 2000 (PV 10)

BLENDRAHMEN / EINSPANNBLENDRAHMEN  
FIXED FRAMES / INTERLOCKING FRAME

**Blendrahmen**  
Fixed frames

B 822010  
B 822012

für einteilige Eckwinkel (verpressbar / stiftbar / nachträglich verklebbar)  
for single-piece corner brackets (crimpable / nailable / retro gluing after assembly)



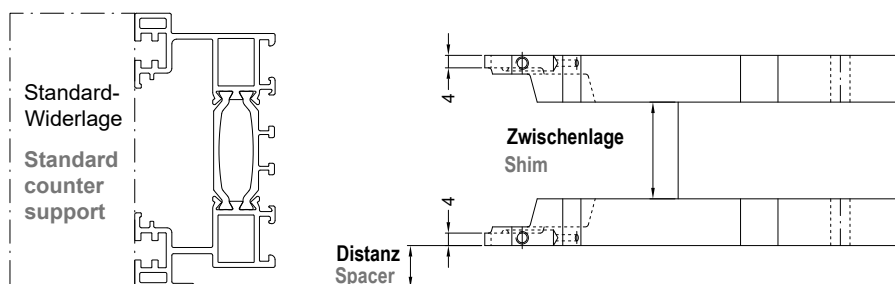
	Art. Nr. Art. no.	bestehend aus consisting of	Länge Length	Zwischenlage Shim	Distanz Spacer
<b>Außen</b> Outside	Z 994223	Z 911781 Z 911782	132 mm	Z 917040 (20 mm)	19 mm
<b>Innen</b> Inside	Z 994223	Z 911781 Z 911782	132 mm		

Ersatz-Lochstempel für alle Stanzmesser mit Lochstempelaufnahmen Replacement piercing stamps for all punching knives with support	Z 911743	Ø 5 mm
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**Blendrahmen**  
Fixed frames

B 822020  
B 822022

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
<b>Außen</b> Outside	Z 994223	Z 911781 Z 911782	132 mm	Z 914708 (31 mm)	13,5 mm
<b>Innen</b> Inside	Z 994223	Z 911781 Z 911782	132 mm		

Ersatz-Lochstempel für alle Stanzmesser mit Lochstempelaufnahmen Replacement piercing stamps for all punching knives with support	Z 911743	Ø 5 mm
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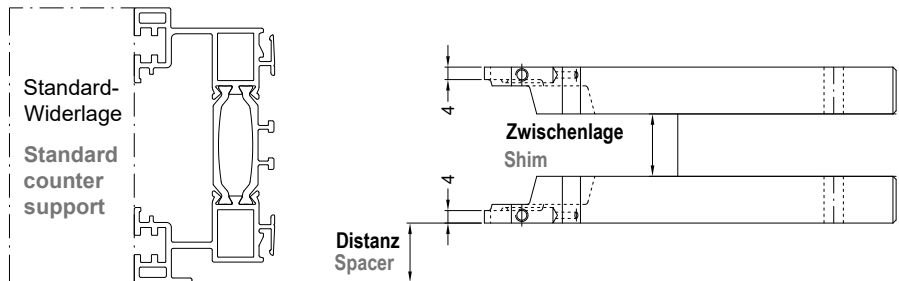
STANZMESSER UND ZWISCHENLAGEN FÜR ELUMATEC EP 124  
PUNCHING KNIVES AND SHIMS FOR ELUMATEC EP 124

BLENDRAHMEN / EINSPANNBLENDRAHMEN  
FIXED FRAMES / INTERLOCKING FRAME

**Blendrahmen**  
Fixed frames

B 822010  
B 822012

für einteilige Eckwinkel (verpressbar / stiftbar / nachträglich verklebbar)  
for single-piece corner brackets (crimpable / nailable / retro gluing after assembly)



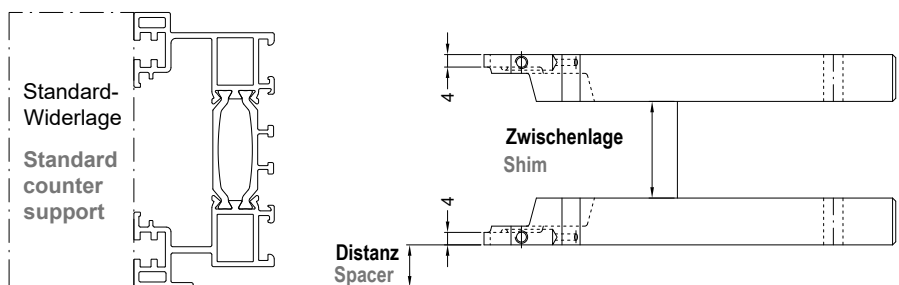
	Art. Nr. Art. no.	bestehend aus consisting of	Länge Length	Zwischenlage Shim	Distanz Spacer
<b>Außen</b> Outside	Z 994224	Z 911783 Z 911784	130 mm	Z 917040 (20 mm)	19 mm
<b>Innen</b> Inside	Z 994224	Z 911783 Z 911784	130 mm		

Ersatz-Lochstempel für alle Stanzmesser mit Lochstempelaufnahmen Replacement piercing stamps for all punching knives with support	Z 911743	Ø 5 mm
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**Blendrahmen**  
Fixed frames

B 822020  
B 822022

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
<b>Außen</b> Outside	Z 994224	Z 911783 Z 911784	130 mm	Z 914708 (31 mm)	13,5 mm
<b>Innen</b> Inside	Z 994224	Z 911783 Z 911784	130 mm		

Ersatz-Lochstempel für alle Stanzmesser mit Lochstempelaufnahmen Replacement piercing stamps for all punching knives with support	Z 911743	Ø 5 mm
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SYSTEMUNABHÄNGIGE WERKZEUGE  
SYSTEM-INDEPENDENT TOOLS

PNEUMATISCHE HANDPISTOLE

Z 981703 VE = 1 Stück

Pneumatische Handpistole zum Einbringen  
der Kegel- und Zylinderstifte

PNEUMATIC HAND PISTOL

PU = 1 piece

Pneumatic hand pistol for inserting the conical  
and cylindrical pins



EINSATZDORN

Z 911710 VE = 1 Stück

Einsatzdorn für die Pneumatische Handpistole  
verwendbar für Eck- und Stoßverbindungen mit  
Zylinderstiften

INSERT MANDREL

PU = 1 piece

Insert mandrel for the pneumatic hand pistol  
suitable for corner connections and T-joints  
with cylindrical pins



EINSCHLAGDORN

Z 911187 VE = 1 Stück

Einschlagdorn für Eck- und Stoßverbindungen  
mit Zylinderstiften

MANDREL

PU = 1 piece





Mandrel to drive in for corner connections  
and T-joints with cylindrical pins









ALU SPANNSTIFTE  
ALU ROLL PINS






Art. Nr. Art. no.	Innen Ø Internal Ø	Außen Ø External Ø	Länge Length
Z 921896	Ø 2.5 mm	Ø 5.0 mm	7.0 mm
Z 921576	Ø 2.5 mm	Ø 5.0 mm	14.0 mm

DICHTUNGSSCHEREN		GASKET CUTTING SHEARS
	<b>Z 908439</b> VE = 1 Stück Dichtungsschere mit Klingen, für die inneren Verglasungsdichtungen, die Dichtungen können somit umlaufend eingebracht werden	PU = 1 piece Gasket cutting shear including knives for cutting internal glazing gaskets, for continuous insertion of gaskets
	<b>Z 909912</b> VE = 1 Stück Dichtungsschere für Gehrungsschnitte, Schneidlänge 55 mm, Anschläge für 45° und Markierungen für 15°, 30° und 90°	PU = 1 piece Gasket cutting shear for mitre cut, length of cut 55 mm, limit stop for 45° and indications for 15°, 30° and 90°
	<b>Z 909913</b> VE = 1 Stück Dichtungsschere für Gehrungsschnitte, Schneidlänge 85 mm, Anschläge für 45°	PU = 1 piece Gasket cutting shear for mitre cut, length of cut 85 mm, limit stop for 45°
	<b>Y 778540</b> VE = 1 Stück Dichtungsschere für Gehrungsschnitte, Markierungen für 45°, 60° und 90°	PU = 1 piece Gasket cutting shear for mitre cut, indications for 45°, 60° and 90°

INNENSECHSKANTSCHLÜSSEL		ALLEN KEY
	<b>Z 922016</b> VE = 1 Stück Montagewerkzeug, Innensechskantschlüssel mit Kugelkopf 2.5 mm	PU = 1 piece Assembly tool, allen key with ball head 2.5 mm
	<b>Z 907334</b> VE = 1 Stück Montagewerkzeug, Innensechskantschlüssel mit Kugelkopf 3 mm	PU = 1 piece Assembly tool, allen key with ball head 3 mm
	<b>Z 922017</b> VE = 1 Stück Montagewerkzeug, Innensechskantschlüssel mit Kugelkopf 4 mm	PU = 1 piece Assembly tool, allen key with ball head 4 mm
	<b>Z 922018</b> VE = 1 Stück Montagewerkzeug, Innensechskantschlüssel mit Kugelkopf 6 mm	PU = 1 piece Assembly tool, allen key with ball head 6 mm
SCHRAUBENDREHER		SCREWDRIVER
	<b>Z 922014</b> VE = 1 Stück Montagewerkzeug Torx 15	PU = 1 piece Assembly tool Torx 15
	<b>Z 922015</b> VE = 1 Stück Montagewerkzeug Torx 25	PU = 1 piece Assembly tool Torx 25

WERKZEUG • ALLGEMEIN  
 TOOLS • GENERAL

	INNENSECHSKANTSCHLÜSSEL	ALLEN KEY
	<b>Z 902028</b> VE = 1 Stück Montagewerkzeug Innensechskantschlüssel 2.5 mm	PU = 1 piece Assembly tool allen key, 2.5 mm
	<b>Z 907385</b> 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
	<b>Z 908354</b> 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

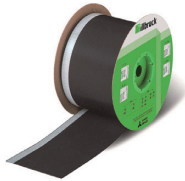
	FOLIE ME 501	FOIL ME 501
	Z 921362 VE = 1 Karton	PU = 1 Box



300 mm mit 30 mm selbstklebend  
 für innen und außen  
 40 m / Karton

300 mm with 30 mm self-adhesive  
 for inside and outside  
 40 m / carton

	EPDM FOLIE ME 220	EPDM FOIL ME 220
	Z 922028 VE = 1 Rolle	PU = 1 roll



1,2 x 300 mm  
 Selbstklebe-Streifen 20 mm  
 für außen, im erdnahen Bereich  
 25 m / Rolle

1,2 x 300 mm  
 self-adhesive strip 20 mm  
 for outside, in near-ground region  
 25 m / roll

	FOLIENKLEBER SP025	FOIL GLUE SP025
	Z 921366 VE = 1 Stück	PU = 1 piece



betongrau,  
 600 ml Folienkartusche

concrete gray,  
 600 ml foil cartridge

	EPDM - FOLIENKLEBER OT015	EPDM - FOIL GLUE OT015
	Z 921371 VE = 1 Stück	PU = 1 piece



schwarz,  
 600 ml Folienkartusche

black,  
 600 ml foil cartridge

	SOFORTHAFT - KLEBER SP340	IMMEDIATELY CONTACT GLUE SP340
	Z 921384 VE = 20 Stück	PU = 20 pieces



weiß,  
 600 ml Folienkartusche

white,  
 600 ml foil cartridge

	PRIMER AT140	PRIMER AT140
	Z 921385 VE = 6 Stück	PU = 6 pieces



500 ml Dose

500 ml tin

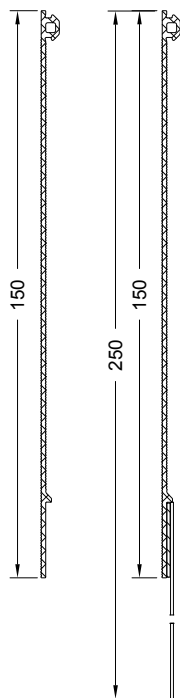
	FENSTERSCHAUM FM230	WINDOW FOAM FM230
	Z 921370 VE = 1 Stück	PU = 1 piece



750 ml Dose

750 ml tin

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

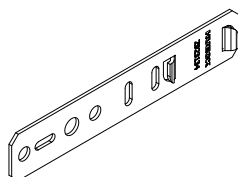
GASKET CORD

PU = 50	length = 150 mm
PU = 50	length = 250 mm

Window connection,  
EPDM, black,  
for sealing wall connections

MAUERANKER

Z 923134	VE = 50 Stück
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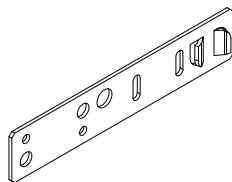
als Eindrehanker, verwendbar für  
die Blendrahmenprofile B 821010,  
B 821012, B 821014, B 821030

FIXING BRACKET

PU = 50 pieces
----------------

as twist-on anchor bracket,  
suitable for fixed frame profiles B 821010,  
B 821012, B 821014, B 821030

Z 921106	VE = 50 Stück
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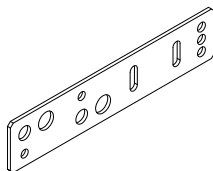


als Eindrehanker,  
verwendbar für alle Blendrahmen  
und Kämpfer-Profile mit  
Glasleistenaufnahme wandseitig

PU = 50 pieces
----------------

as twist-on anchor bracket,  
suitable for all fixed frames and  
transom profiles with nest for  
glassbead on the wall side

Z 911950	VE = 50 Stück
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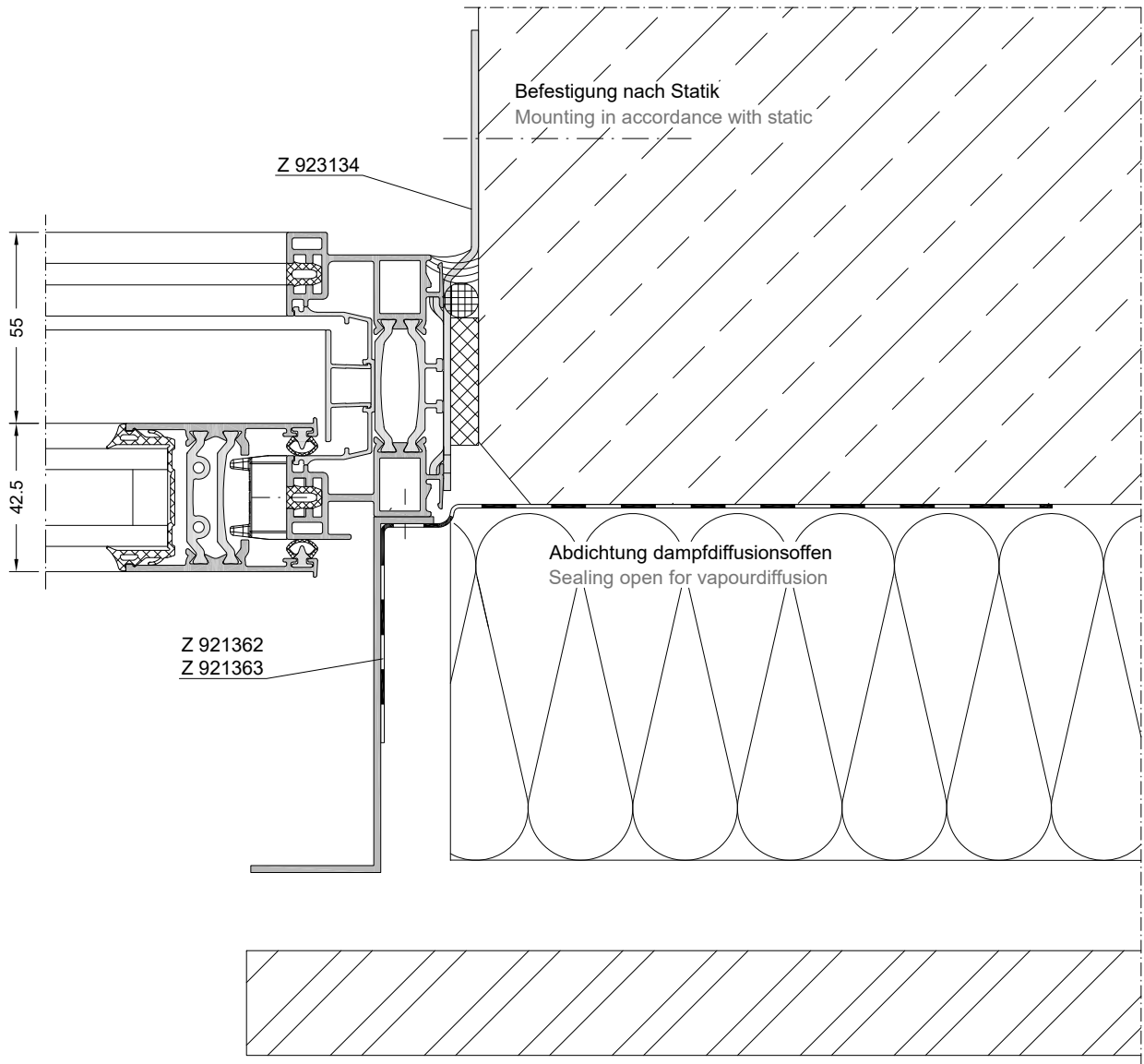
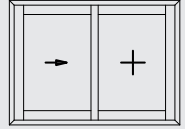


Maueranker, zum Anschrauben oder  
Anschweißen am Montagerahmen

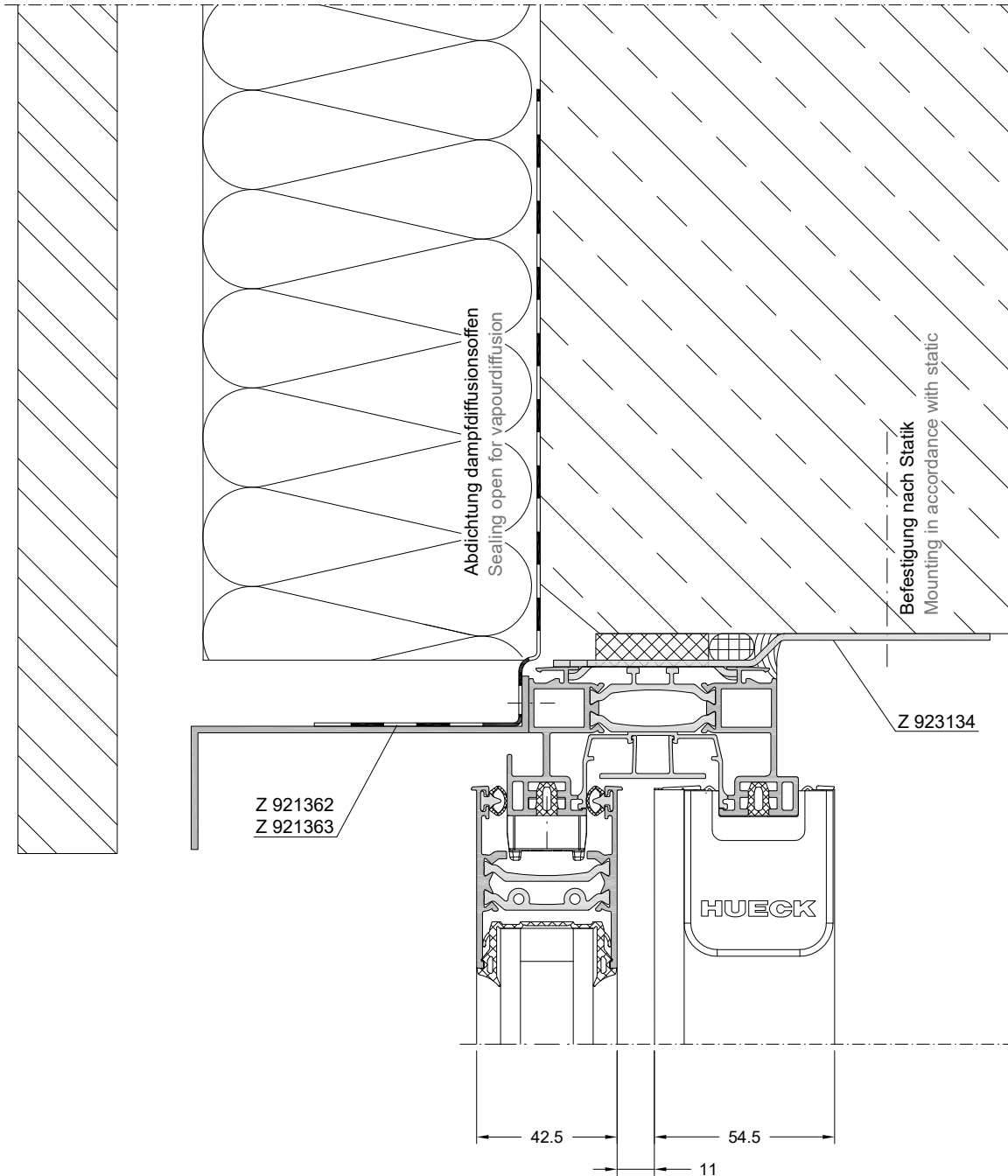
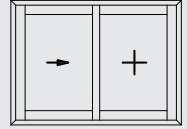
PU = 50 pieces
----------------

Fixing bracket for screwing or welding  
onto the assembly frame

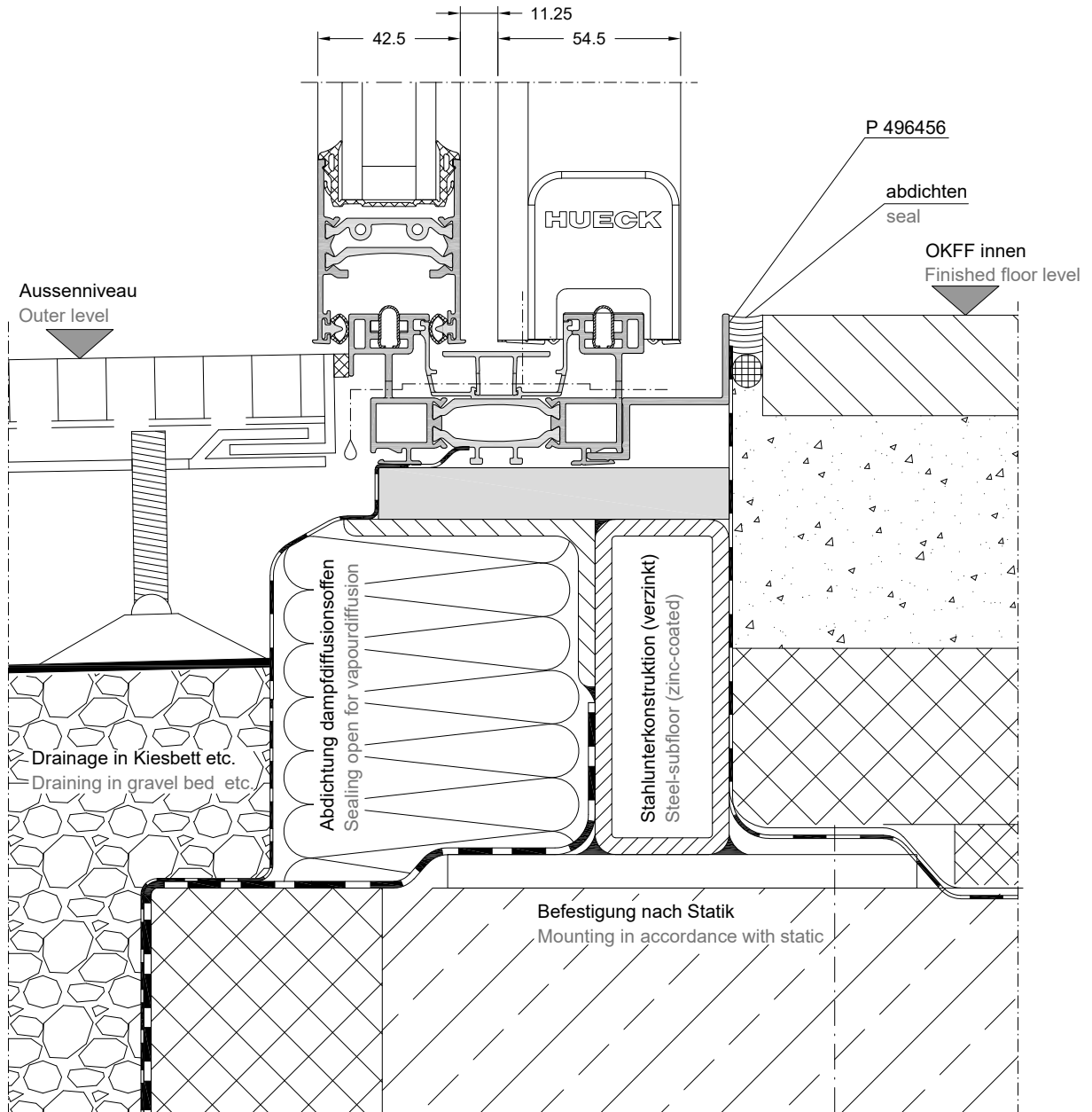
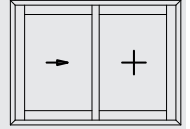
HORIZONTALSCHNITT • SEITLICHER WANDANSCHLUSS  
HORIZONTAL SECTION • LATERAL WALL-CONNECTION

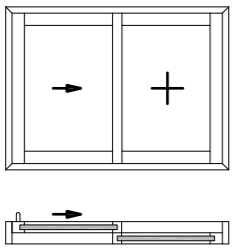
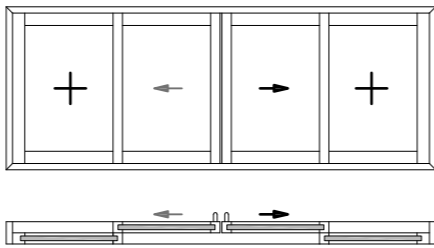
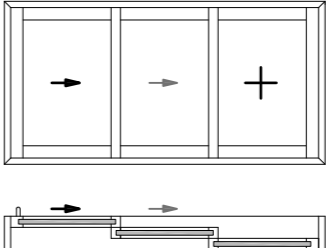
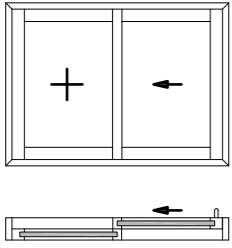
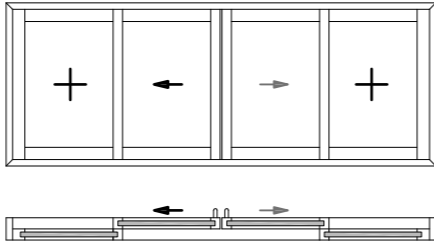
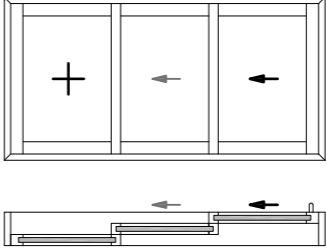
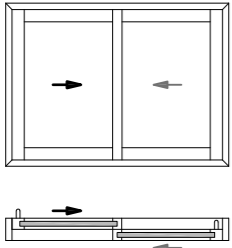
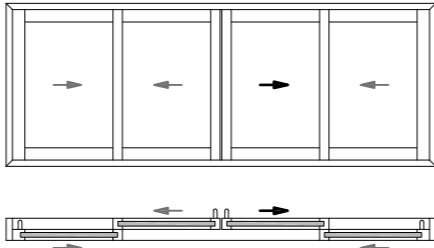
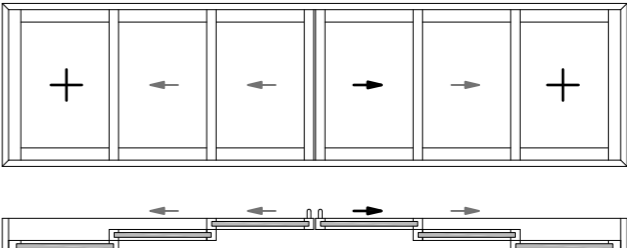
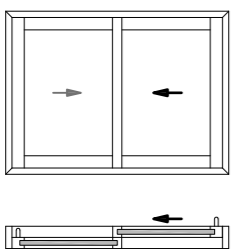
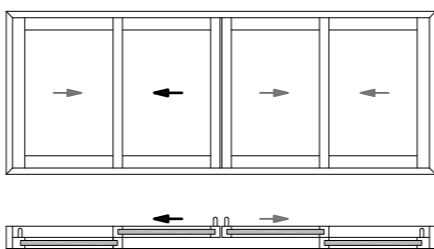
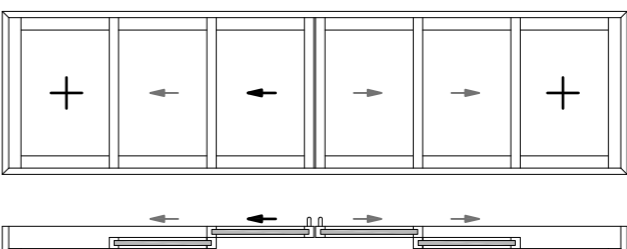


HORIZONTALSCHNITT • OBERER WANDANSCHLUSS  
HORIZONTAL SECTION • UPPER WALL-CONNECTION



HORIZONTALSCHNITT • UNTERER WANDANSCHLUSS  
 HORIZONTAL SECTION • LOWER WALL-CONNECTION



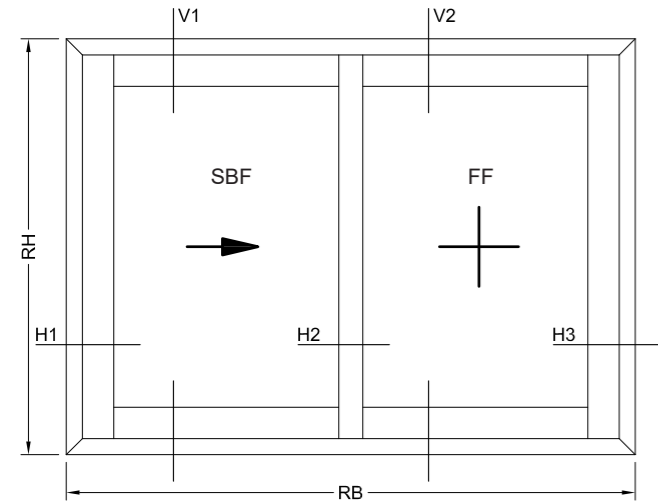
SCHEMA-ÜBERSICHT (ANSICHT VON AUSSEN) OVERVIEW OF SCHEMES (VIEW FROM THE OUTSIDE)							
Schema Scheme	Beschreibung Description	Schema Scheme	Beschreibung Description	Schema Scheme	Beschreibung Description	Schema Scheme	Beschreibung Description
A1	 <p><b>2-spurige Anlage mit 2 Feldern</b> Schiebeflügel 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>	C1	 <p><b>2-spurige Anlage mit 4 Feldern</b> 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>	E1	 <p><b>3-spurige Anlage mit 3 Feldern</b> 2 Schiebeflügel, 1 Festflügel Primärer Flügel nach links öffnend</p> <p>Triple-tracked system with 3 fields 2 sliding sashes, 1 fixed sash Primary sash sliding to the left</p>		
A2	 <p><b>2-spurige Anlage mit 2 Feldern</b> 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>	C2	 <p><b>2-spurige Anlage mit 4 Feldern</b> 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>	E2	 <p><b>3-spurige Anlage mit 3 Feldern</b> 2 Schiebeflügel, 1 Festflügel Primärer Flügel nach rechts öffnend</p> <p>Triple-tracked system with 3 fields 2 sliding sashes, 1 fixed sash Primary sash sliding to the right</p>		
D1	 <p><b>2-spurige Anlage mit 2 Feldern</b> 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>	F1	 <p><b>2-spurige Anlage mit 4 Feldern</b> 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>	L1	 <p><b>3-spurige Anlage mit 6 Feldern</b> 4 Schiebeflügel, 2 Festflügel Primärer Flügel mittig nach links öffnend</p> <p>Triple-tracked system with 6 fields 4 sliding sashes, 2 fixed sash Primary sash in the middle sliding to the left</p>		
D2	 <p><b>2-spurige Anlage mit 2 Feldern</b> 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>	F2	 <p><b>2-spurige Anlage mit 4 Feldern</b> 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>	L2	 <p><b>3-spurige Anlage mit 6 Feldern</b> 4 Schiebeflügel, 2 Festflügel Primärer Flügel mittig nach rechts öffnend</p> <p>Triple-tracked system with 6 fields 4 sliding sashes, 2 fixed sash Primary sash in the middle sliding to the right</p>		

**Schema A1 / Scheme A1**

(dargestellt / shown)

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

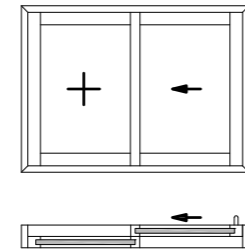


**Schema A2 / Scheme A2**

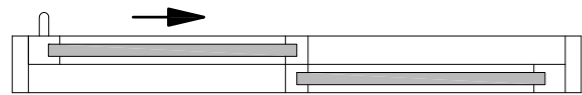
(spiegelbildlich / mirror inverted)

2-spurige Anlage mit 2 Feldern  
 Schiebeflügel rechts, Festflügel links  
 Primärer Flügel nach rechts öffnend

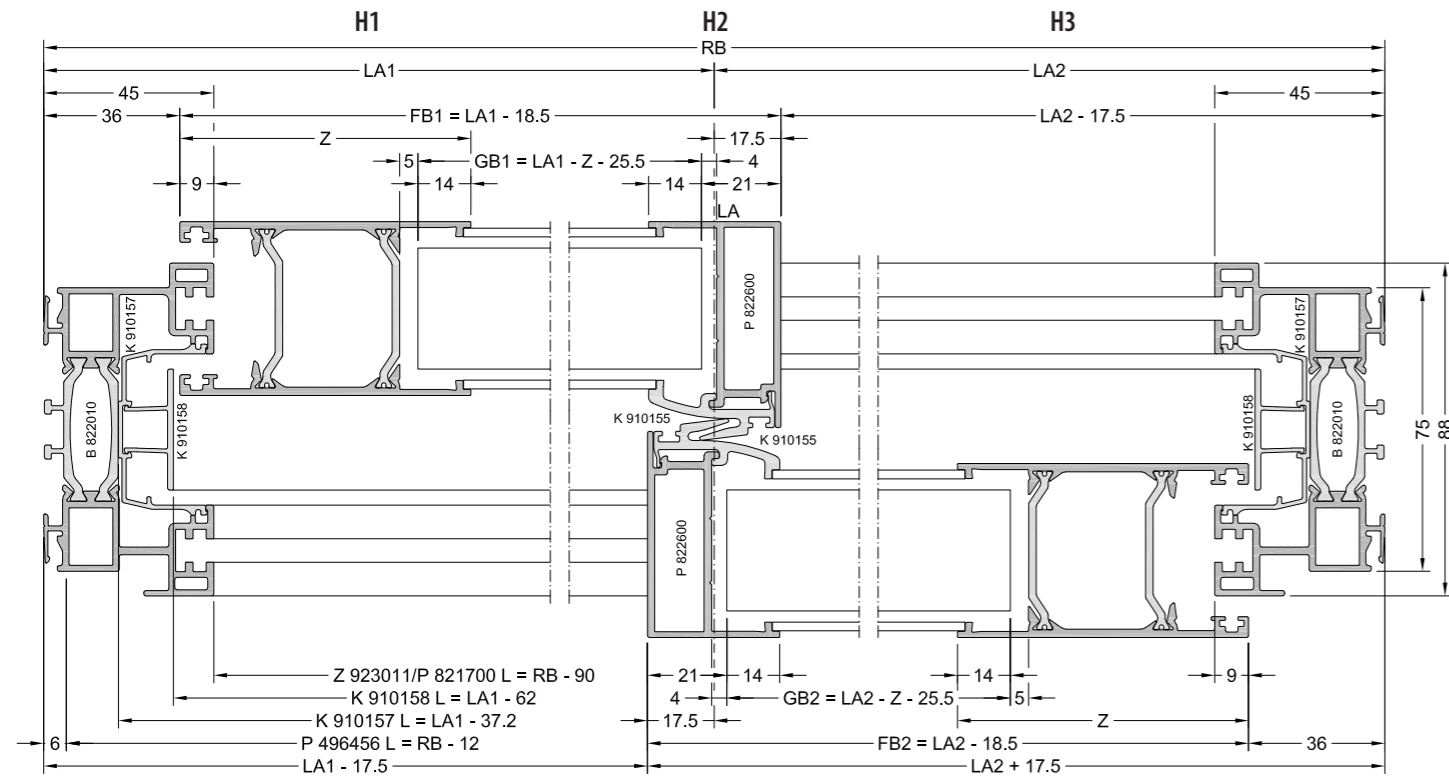
Double-tracked system with 2 fields  
 Sliding sash right, fixed sash left  
 Primary sash sliding to the right



Bei symmetrischer Aufteilung: LA1 = LA2  
 With symmetrical distribution: LA1 = LA2

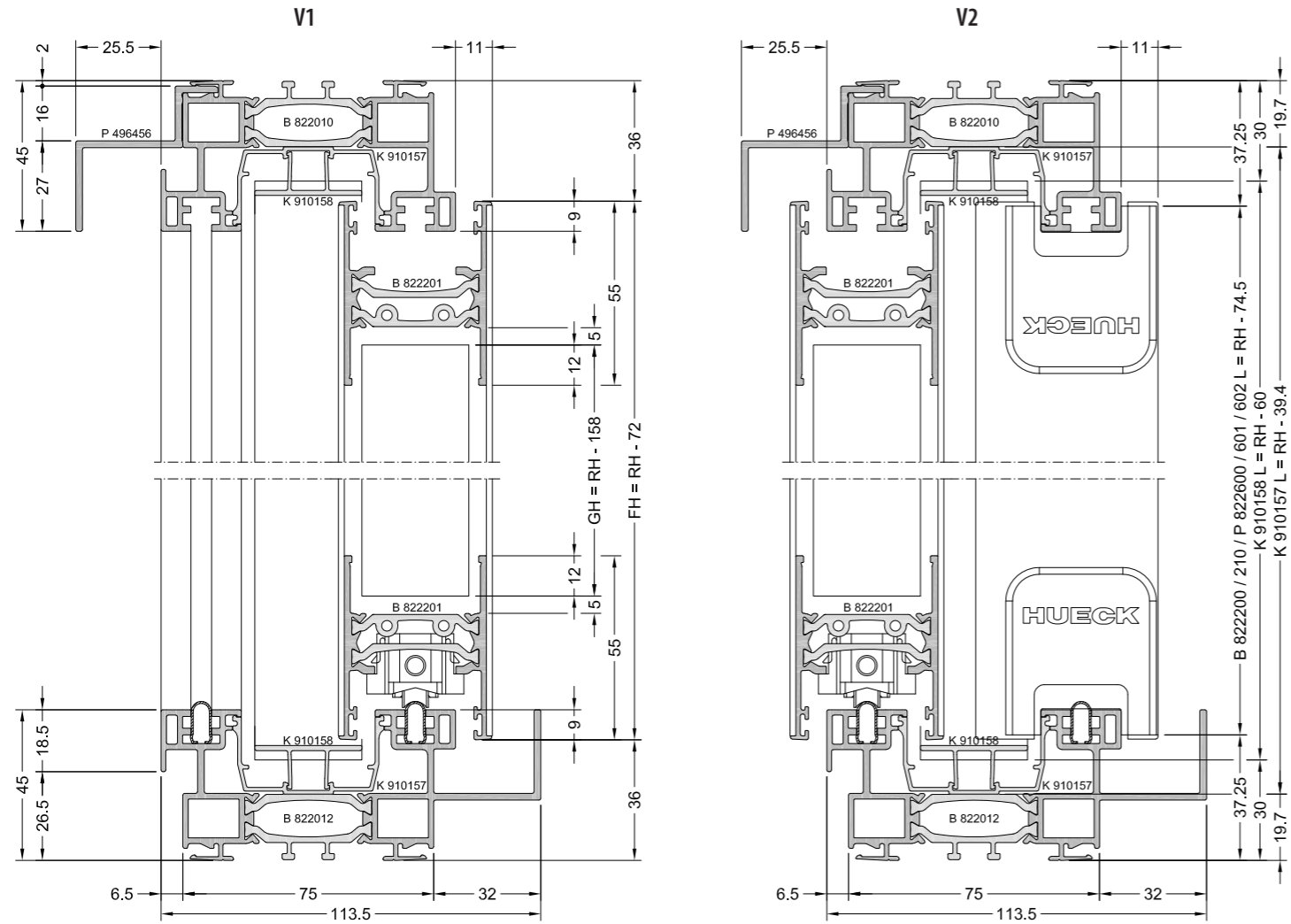


Ansicht von Aussen  
 View from the outside



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





Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) / Zuschnittlänge in mm Position (outside view) / Cutting	Zuschnittwinkel Cutting angle	Anzahl Quantity
	<b>Blendrahmen</b> Fixed frame	B 822010	links/rechts / left/right = RH oben/unten / top/bottom = RB	45° + 45° 45° + 45°	2 2
		B 822012			
		B 822020			
		B 822022			
	<b>KS-U-Profil</b> Plastic U-profile	K 910157	links/rechts / left/right = RH-39,4 oben/unten / top/bottom = LA1-37,2 oben/unten / top/bottom = LA2-37,2	45° + 45° 45° + 90° 90° + 45°	2 2 2
	<b>KS-TT-Profil</b> Plastic TT-profile	K 910158	links/rechts / left/right = RH-60 oben/unten / top/bottom = LA1-62 oben/unten / top/bottom = LA2-62	90° + 90° 90° + 90° 90° + 90°	2 2 2
	<b>Wetterschenkel</b> Weatherboard	P 496456	oben/unten / top/bottom = RB-12	90° + 90°	2*
	<b>Flügelprofil</b> Sash profile	B 822200 / B 822210	links/rechts / left/right = RH-74,5	90° + 90°	2
	<b>Flügelprofil</b> Sash profile	P 822600 / 601 / 602	seitlich / lateral = RH-74,5	90° + 90°	2
	<b>Flügelprofil</b> Sash profile	B 822201	oben/unten / top/bottom = LA1-Z-16,7 oben/unten / top/bottom = LA2-Z-16,7	90° + 90° 90° + 90°	2 2
	<b>Labyrinthprofil</b> Labyrinth profile	K 910155	seitlich / lateral = RH-74,5	90° + 90°	2
	<b>Laufschiene</b> Roller rail	Z 923011 / P 821700	unten / bottom = RB-90	90° + 90°	2
	<b>Glasbreite</b> Glass width		= LA1-Z-25,5 = LA2-Z-25,5		
	<b>Glashöhe</b> Glass height		= RH-158		

\* Bei der Verwendung von B 822012 oder B 822022 1 Stück  
\* When using B 822012 or B 822022 1 piece

Bei gleichen Flügelgrößen: LA1 = LA2 = RB/2  
For the same sash sizes: LA1 = LA2 = RB/2

Profilnummer Profile no.	Z
B 822200	67
B 822210	77

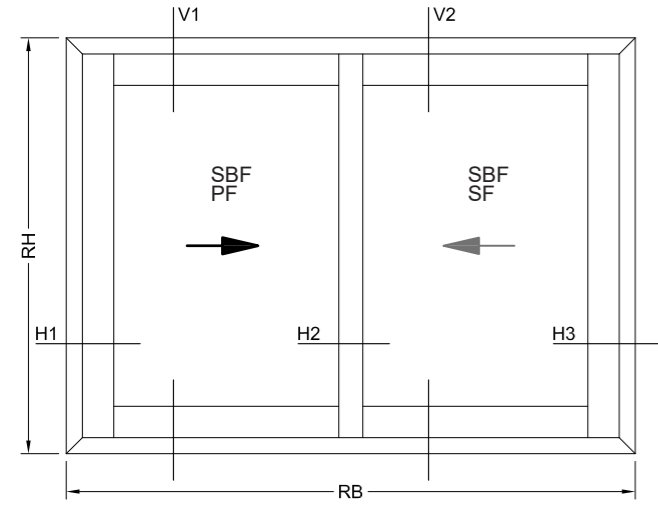


**Schema D1 / Scheme D1**

(dargestellt / shown)

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

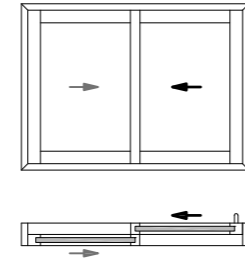


**Schema D2 / Scheme D2**

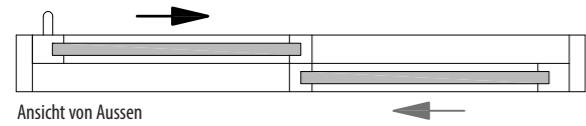
(spiegelbildlich / mirror inverted)

2-spurige Anlage mit 2 Feldern  
 Schiebeflügel rechts, Schiebeflügel links  
 Primärer Flügel nach rechts öffnend

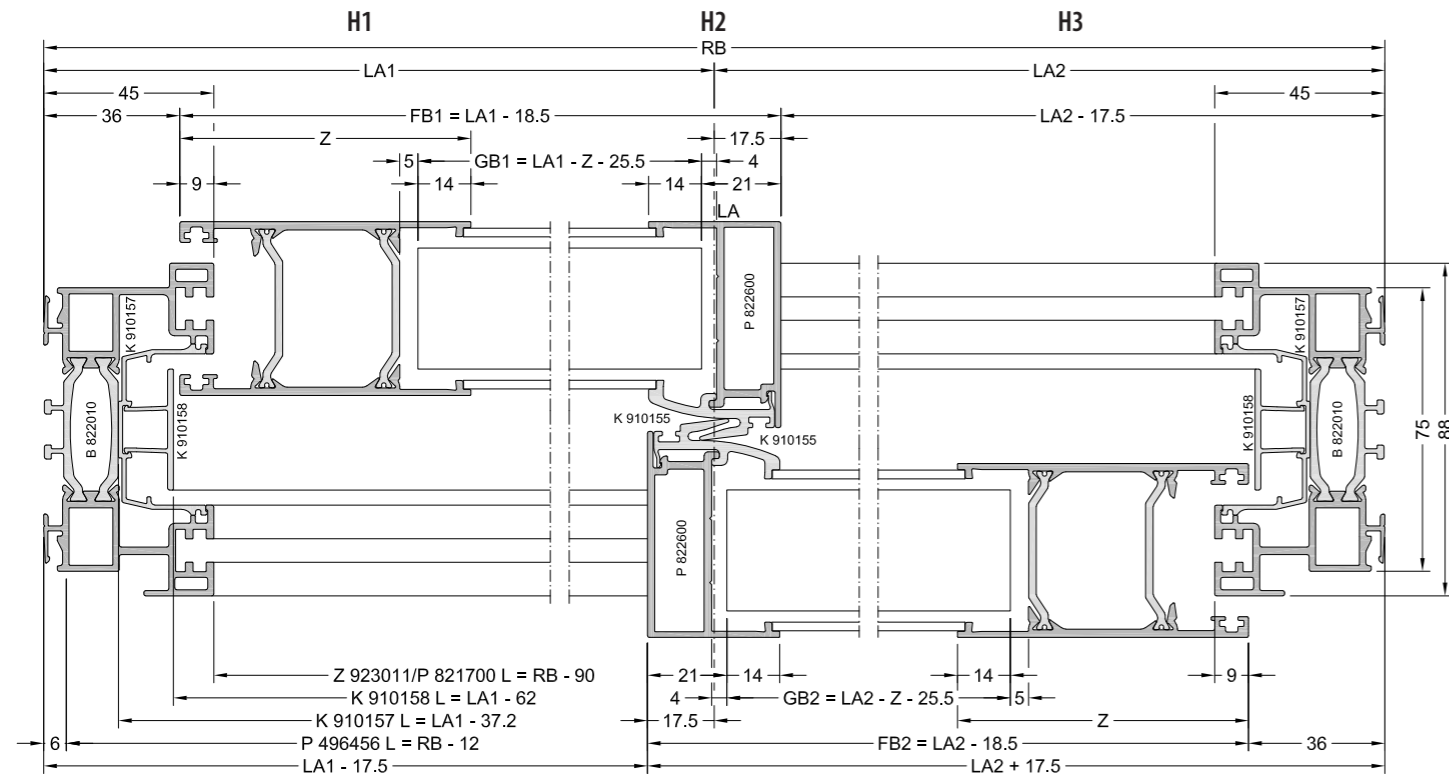
Double-tracked system with 2 fields  
 Sliding sash right, sliding sash left  
 Primary sash sliding to the right



Bei symmetrischer Aufteilung: LA1 = LA2  
 With symmetrical distribution: LA1 = LA2

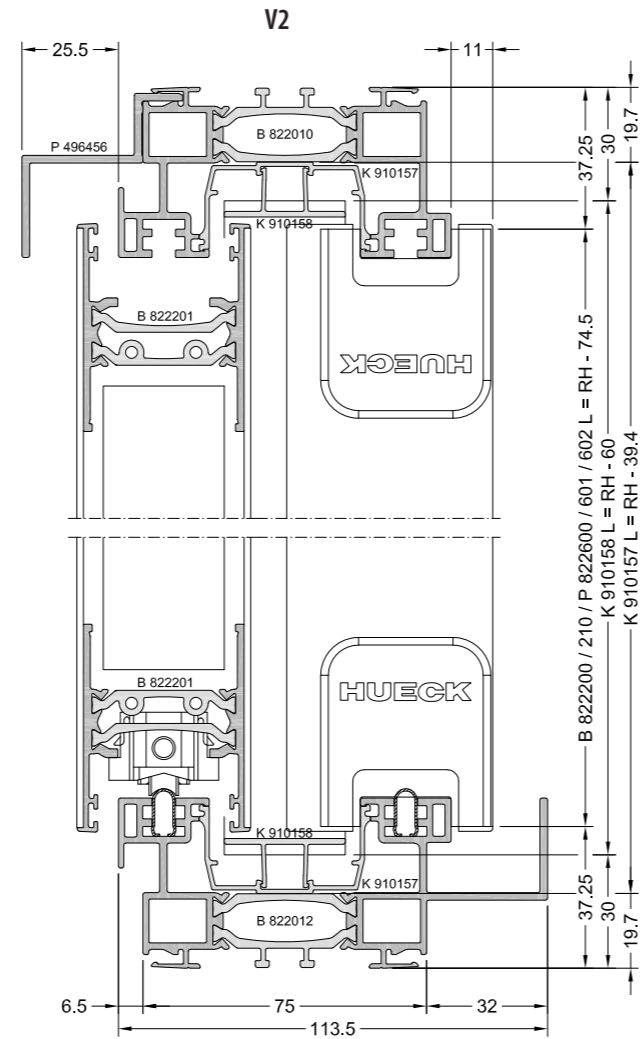
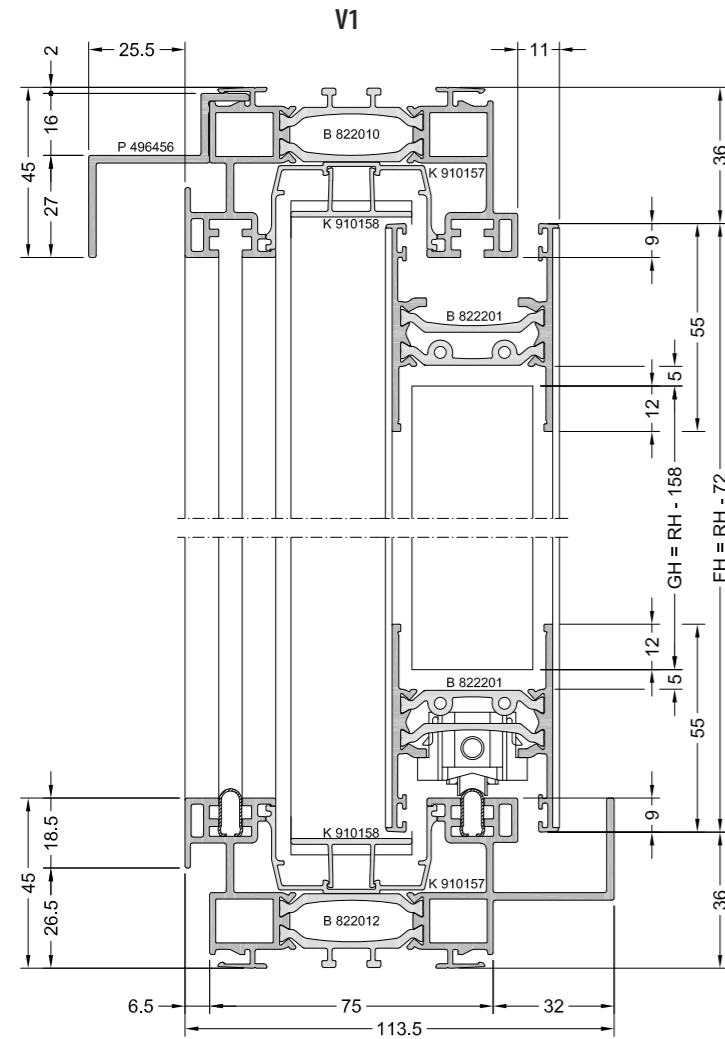


Ansicht von Aussen  
 View from the outside



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





Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) / Zuschnittlänge in mm Position (outside view) / Cutting	Zuschnittwinkel Cutting angle	Anzahl Quantity
	<b>Blendrahmen</b> Fixed frame	<b>B 822010</b>	links/rechts / left/right = RH oben/unten / top/bottom = RB	45° + 45° 45° + 45°	2 2
		<b>B 822012</b>			
		<b>B 822020</b>			
		<b>B 822022</b>			
	<b>KS-U-Profil</b> Plastic U-profile	<b>K 910157</b>	links/rechts / left/right = RH-39,4 oben/unten / top/bottom = LA1-37,2 oben/unten / top/bottom = LA2-37,2	45° + 45° 45° + 90° 90° + 45°	2 2 2
	<b>KS-TT-Profil</b> Plastic TT-profile	<b>K 910158</b>	links/rechts / left/right = RH-60 oben/unten / top/bottom = LA1-62 oben/unten / top/bottom = LA2-62	90° + 90° 90° + 90° 90° + 90°	2 2 2
	<b>Wetterschenkel</b> Weatherboard	<b>P 496456</b>	oben/unten / top/bottom = RB-12	90° + 90°	2*
	<b>Flügelprofil</b> Sash profile	<b>B 822200 / B 822210</b>	links/rechts / left/right = RH-74,5	90° + 90°	2
	<b>Flügelprofil</b> Sash profile	<b>P 822600 / 601 / 602</b>	seitlich / lateral = RH-74,5	90° + 90°	2
	<b>Flügelprofil</b> Sash profile	<b>B 822201</b>	oben/unten / top/bottom = LA1-Z-16,7 oben/unten / top/bottom = LA2-Z-16,7	90° + 90° 90° + 90°	2 2
	<b>Labyrinthprofil</b> Labyrinth profile	<b>K 910155</b>	seitlich / lateral = RH-74,5	90° + 90°	2
	<b>Laufschiene</b> Roller rail	<b>Z 923011 / P 821700</b>	unten / bottom = RB-90	90° + 90°	2
	<b>Glasbreite</b> Glass width		= LA1-Z-25,5 = LA2-Z-25,5		
	<b>Glashöhe</b> Glass height		= RH-158		

\* Bei der Verwendung von B 822012 oder B 822022 1 Stück  
\* When using B 822012 or B 822022 1 piece

Bei gleichen Flügelgrößen: LA1 = LA2 = RB/2  
For the same sash sizes: LA1 = LA2 = RB/2

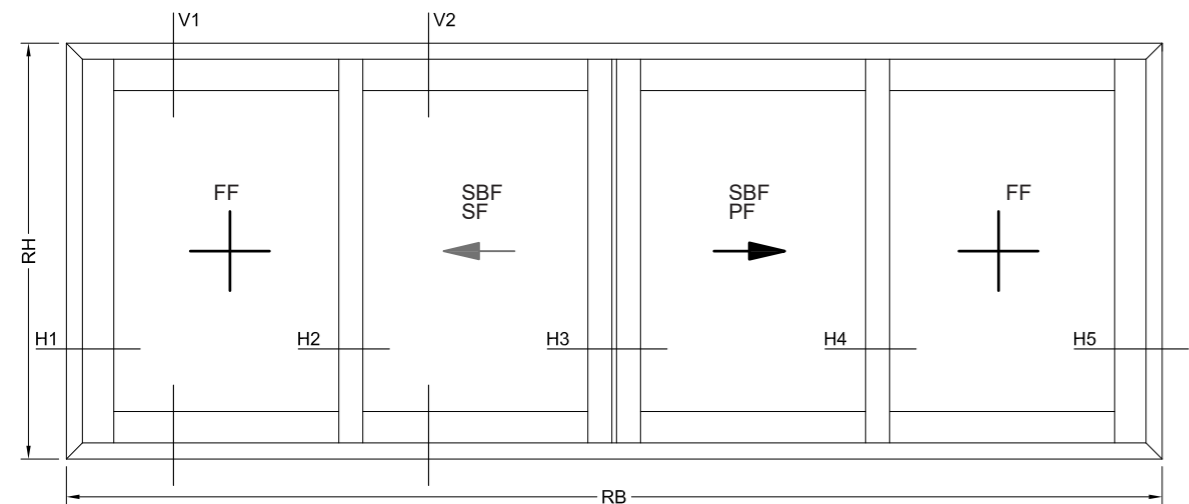
Profilnummer Profile no.	Z
<b>B 822200</b>	<b>67</b>
<b>B 822210</b>	<b>77</b>

**Schema C1 / Scheme C1**

(dargestellt / shown)

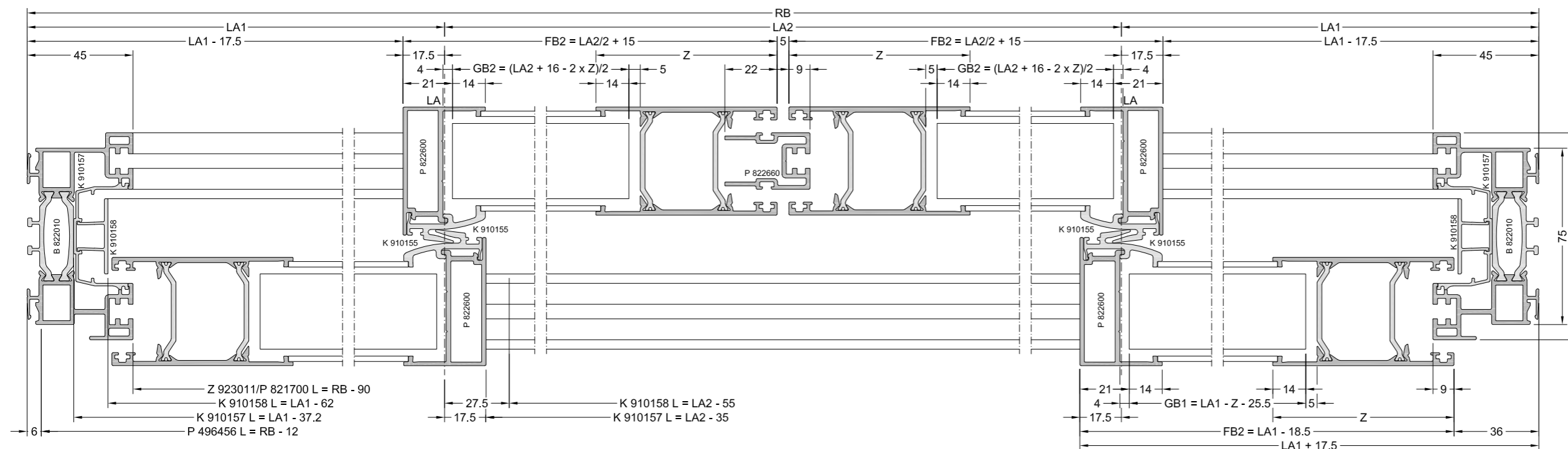
2-spurige Anlage mit 4 Feldern  
 2 Schiebeflügel mittig  
 je 1 Festflügel links und rechts  
 Primärer Flügel nach links öffnend

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

H1 H2 H3 H4 H5

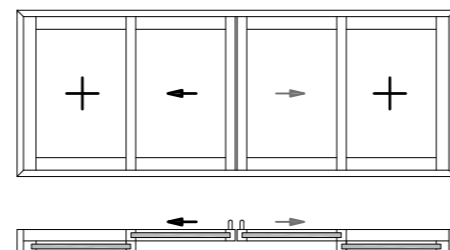


**Schema C2 / Scheme C2**

(spiegelbildlich / mirror inverted)

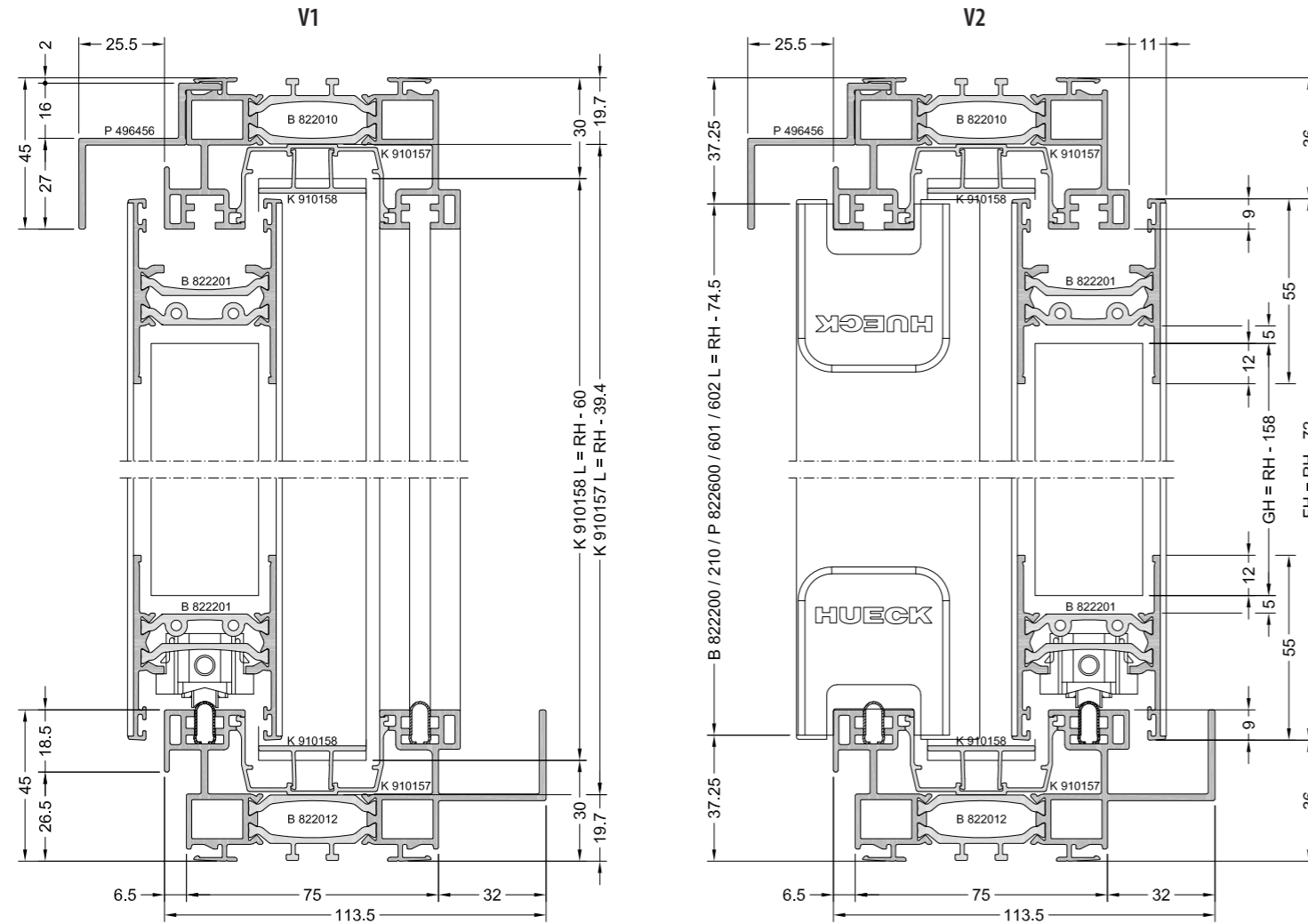
2-spurige Anlage mit 4 Feldern  
 2 Schiebeflügel mittig  
 je 1 Festflügel links und rechts  
 Primärer Flügel nach rechts öffnend

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



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) / Zuschnittlänge in mm Position (outside view) / Cutting	Zuschnittwinkel Cutting angle	Anzahl Quantity						
	<b>Blendrahmen</b> Fixed frame	B 822010	links/rechts / left/right = RH oben/unten / top/bottom = RB	45° + 45° 45° + 45°	2 2						
		B 822012									
		B 822020									
		B 822022									
	<b>KS-U-Profil</b> Plastic U-profile	K 910157	links/rechts / left/right = RH-39,4 oben/unten / top/bottom = LA1-37,2 oben/unten / top/bottom = LA2-35	45° + 45° 45° + 90° 90° + 90°	2 2 2						
							<b>KS-TT-Profil</b> Plastic TT-profile	K 910158	links/rechts / left/right = RH-60 oben/unten / top/bottom = LA1-62 oben/unten / top/bottom = LA2-55	90° + 90° 90° + 90° 90° + 90° 90° + 90°	2 2 2 2
	<b>Wetterschenkel</b> Weatherboard	P 496456	oben/unten / top/bottom = RB-12	90° + 90°	2*						
	<b>Flügelprofil</b> Sash profile	P 822600 / 601 / 602	seitlich / lateral = RH-74,5	90° + 90°	4 4						
							<b>Flügelprofil</b> Sash profile	B 822201	oben/unten / top/bottom = LA1-Z-16,7 oben/unten / top/bottom = (LA2+33,7-2xZ)/2	90° + 90° 90° + 90°	4 4
	<b>Stoßprofil</b> Joint profile	P 822660	mittig / center = RH-124,5	90° + 90°	1						
							<b>Labyrinthprofil</b> Labyrinth profile	K 910155	seitlich / lateral = RH-74,5	90° + 90°	4
	<b>Laufschiene</b> Roller rail	Z 923011 / P 821700	unten / bottom = RB-90	90° + 90°	2						
							<b>Glasbreite</b> Glass width		links/rechts / left/right = LA1-Z-25,5 mitte / center = (LA2+16-2xZ)/2		
	<b>Glashöhe</b> Glass height		= RH-158								

\* Bei der Verwendung von B 822012 oder B 822022 1 Stück  
\* When using B 822012 or B 822022 1 piece

Bei gleichen Flügelgrößen: LA1 = RB/4+16,75 / LA2 = RB-2xLA1  
For the same sash sizes: LA1 = RB/4+16,75 / LA2 = RB-2xLA1

Nur zur Erklärung für den Aufbau der Schnitte:  
Only to explain the structure of the cuts:

LA1 = Abstand Rahmen außen links und rechts bis LA  
LA1 = Distance frame outside left and right to LA  
LA2 = Abstand zwischen beiden LA1 und LA1  
LA2 = Distance between both LA1 and LA1

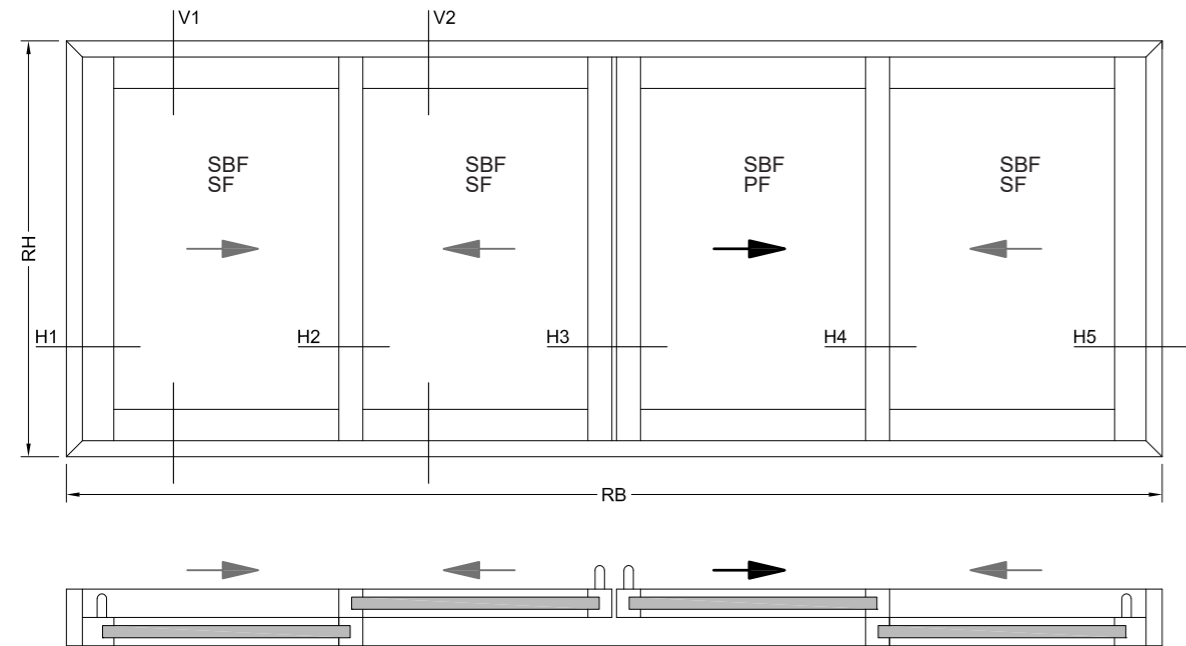
Profilnummer Profile no.	Z
B 822200	67
B 822210	77

**Schema F1 / Scheme F1**

(dargestellt / shown)

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



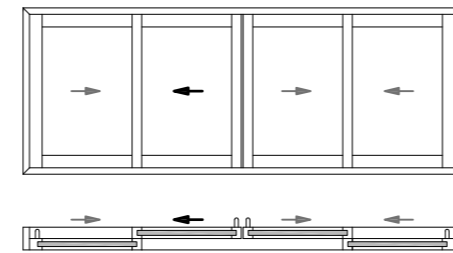
Ansicht von Aussen  
 View from the outside

**Schema F2 / Scheme F2**

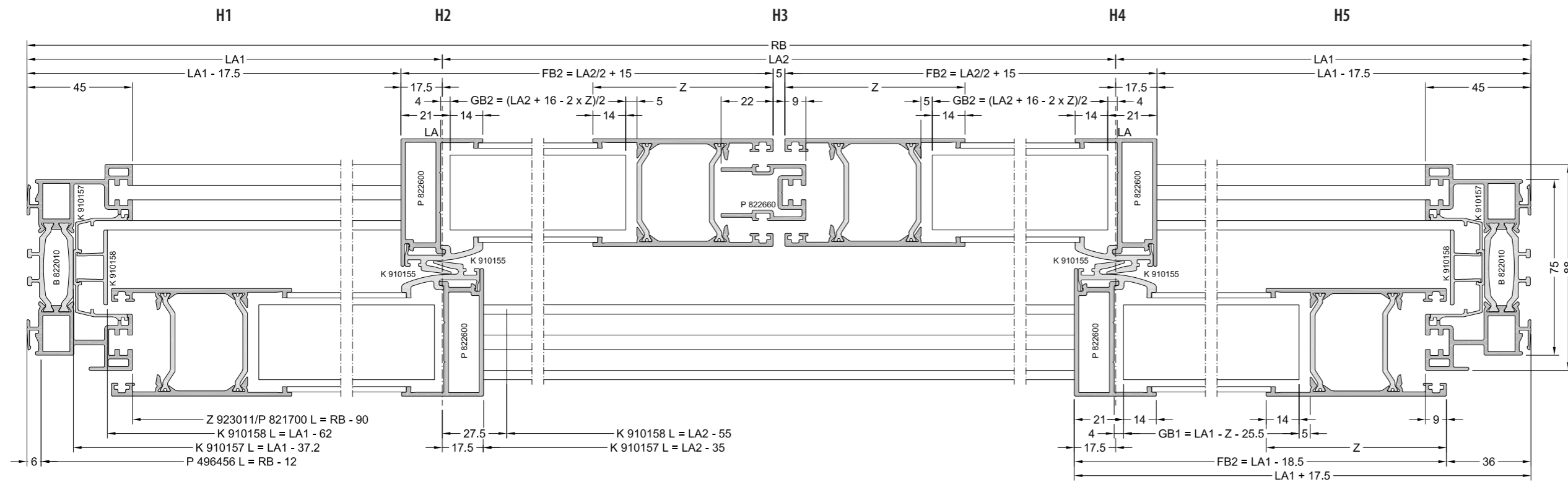
(spiegelbildlich / mirror inverted)

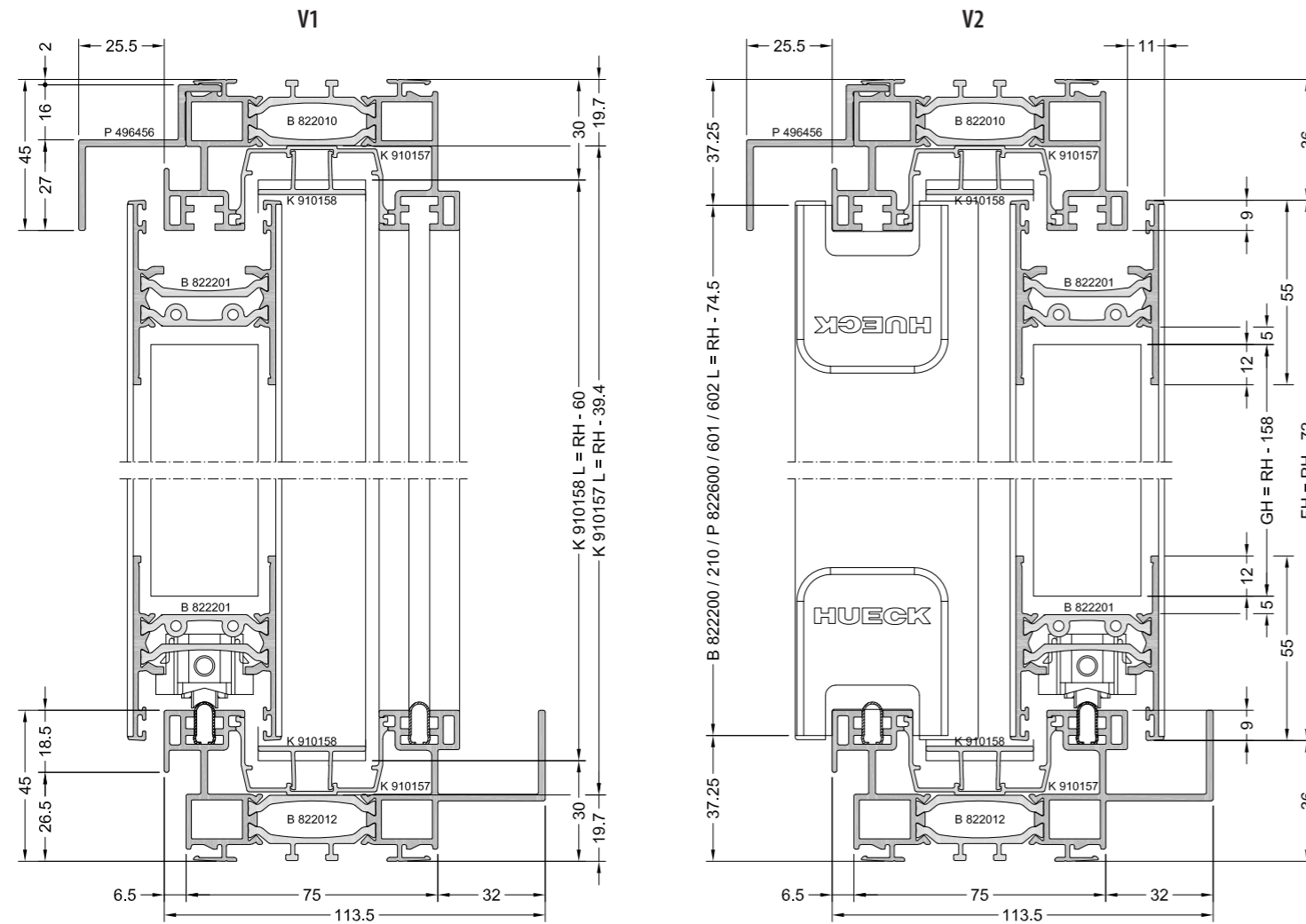
2-spurige Anlage mit 4 Feldern  
 4 Schiebeflügel  
 Primärer Flügel mittig nach rechts öffnend

Double-tracked system with 4 fields  
 4 sliding sashes  
 Primary sash in the middle sliding to the right



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





Profilnummer Profile no.	Z
B 822200	67
B 822210	77

Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) / Zuschnittlänge in mm Position (outside view) / Cutting	Zuschnittwinkel Cutting angle	Anzahl Quantity
	<b>Blendrahmen</b> Fixed frame	B 822010 B 822012 B 822020 B 822022	links/rechts / left/right = RH oben/unten / top/bottom = RB	45° + 45° 45° + 45°	2 2
	<b>KS-U-Profil</b> Plastic U-profile	K 910157	links/rechts / left/right = RH-39,4 oben/unten / top/bottom = LA1-37,2 oben/unten / top/bottom = LA2-35	45° + 45° 45° + 90° 90° + 90°	2 2 2
	<b>KS-TT-Profil</b> Plastic TT-profile	K 910158	links/rechts / left/right = RH-60 oben/unten / top/bottom = LA1-62 oben/unten / top/bottom = LA2-55	90° + 90° 90° + 90° 90° + 90°	2 2 2
	<b>Wetterschenkel</b> Weatherboard	P 496456	oben/unten / top/bottom = RB-12	90° + 90°	2*
	<b>Flügelprofil</b> Sash profile	B 822200 / B 822210	links/rechts / left/right = RH-74,5	90° + 90°	4
	<b>Flügelprofil</b> Sash profile	P 822600 / 601 / 602	seitlich / lateral = RH-74,5	90° + 90°	4
	<b>Flügelprofil</b> Sash profile	B 822201	oben/unten / top/bottom = LA1-Z-16,7 oben/unten / top/bottom = (LA2+33,7-2xZ)/2	90° + 90° 90° + 90°	4 4
	<b>Stoßprofil</b> Joint profile	P 822660	mittig / center = RH-124,5	90° + 90°	1
	<b>Labyrinthprofil</b> Labyrinth profile	K 910155	seitlich / lateral = RH-74,5	90° + 90°	4
	<b>Laufschiene</b> Roller rail	Z 923011 / P 821700	unten / bottom = RB-90	90° + 90°	2
	<b>Glasbreite</b> Glass width		links/rechts / left/right = LA1-Z-25,5 mitte / center = (LA2+16-2xZ)/2		
	<b>Glashöhe</b> Glass height		= RH-158		

\* Bei der Verwendung von B 822012 oder B 822022 1 Stück  
\* When using B 822012 or B 822022 1 piece

Bei gleichen Flügelgrößen: LA1 = RB/4+16,75 / LA2 = RB-2xLA1  
For the same sash sizes: LA1 = RB/4+16,75 / LA2 = RB-2xLA1

Nur zur Erklärung für den Aufbau der Schnitte:  
Only to explain the structure of the cuts:

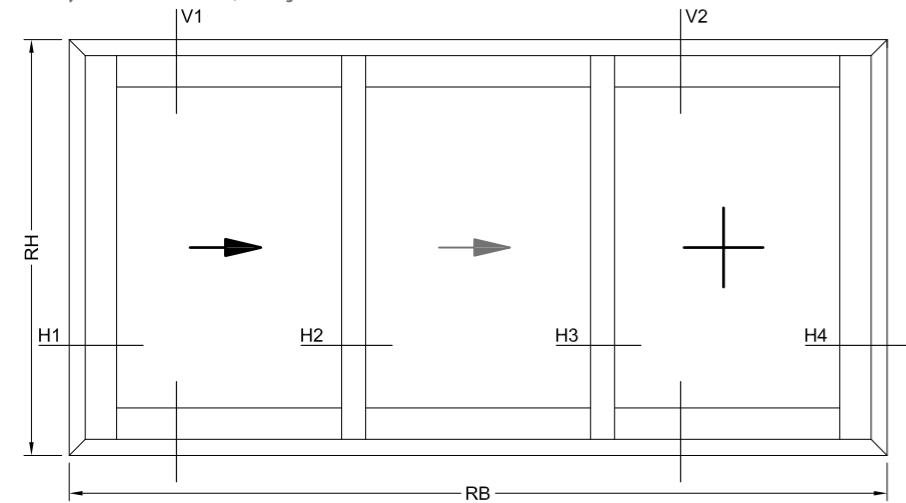
LA1 = Abstand Rahmen außen links und rechts bis LA  
LA1 = Distance frame outside left and right to LA  
LA2 = Abstand zwischen beiden LA1 und LA1  
LA2 = Distance between both LA1 and LA1

**Schema E1 / Scheme E1**

(dargestellt / shown)

3-spurige Anlage mit 3 Feldern  
 2 Schiebeflügel, 1 Festflügel  
 Primärer Flügel links, nach links öffnend

Triple-tracked system with 3 fields  
 2 sliding sashes, 1 fixed sash  
 Primary sash on the left side, sliding to the left

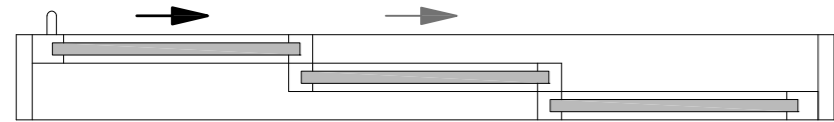
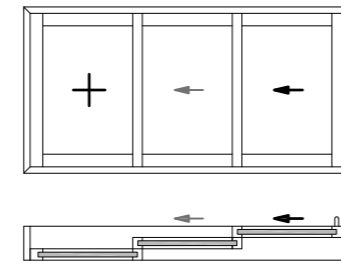


**Schema E2 / Scheme E2**

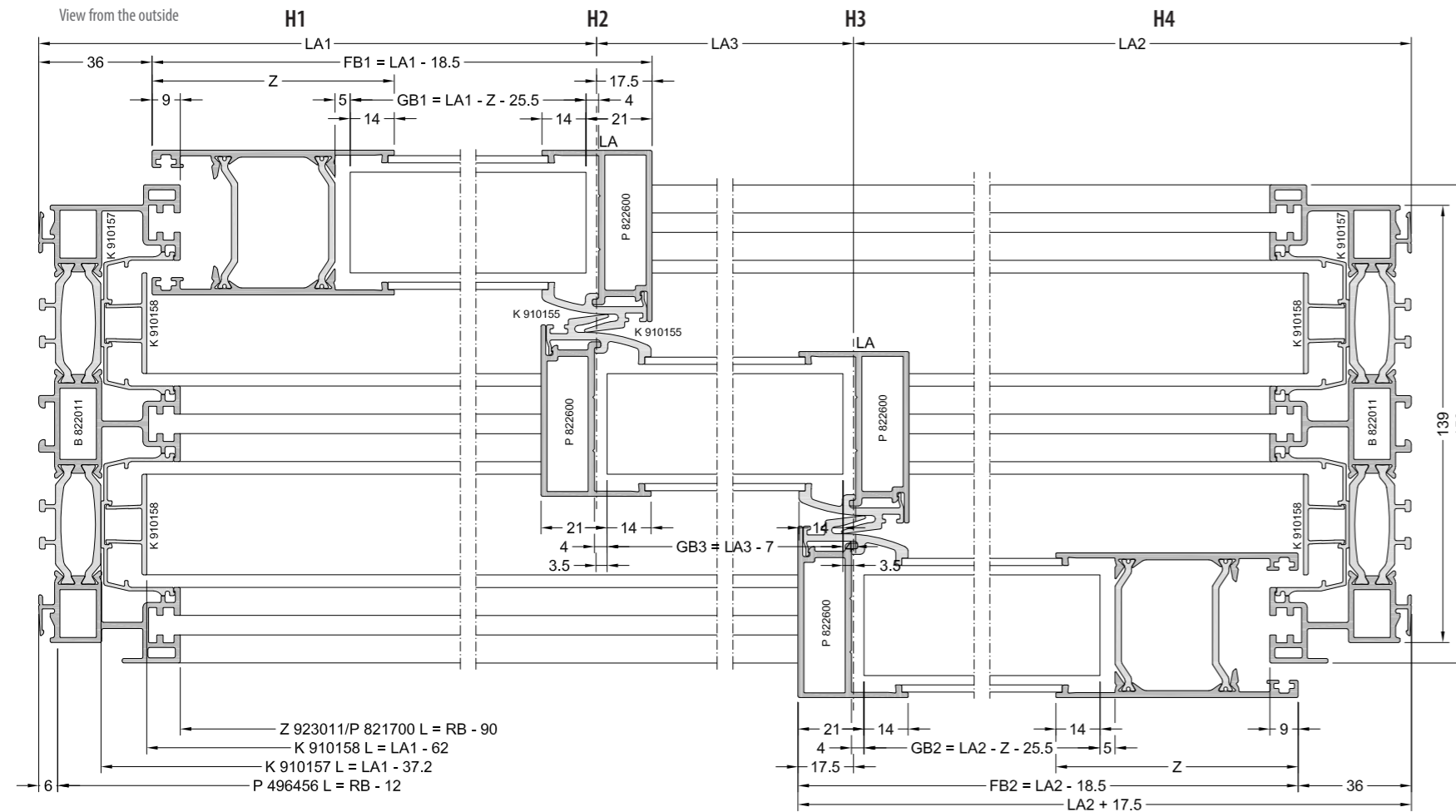
(spiegelbildlich / mirror inverted)

3-spurige Anlage mit 3 Feldern  
 2 Schiebeflügel, 1 Festflügel  
 Primärer Flügel rechts, nach rechts öffnend

Triple-tracked system with 3 fields  
 2 sliding sashes, 1 fixed sash  
 Primary sash on the right side, sliding to the right

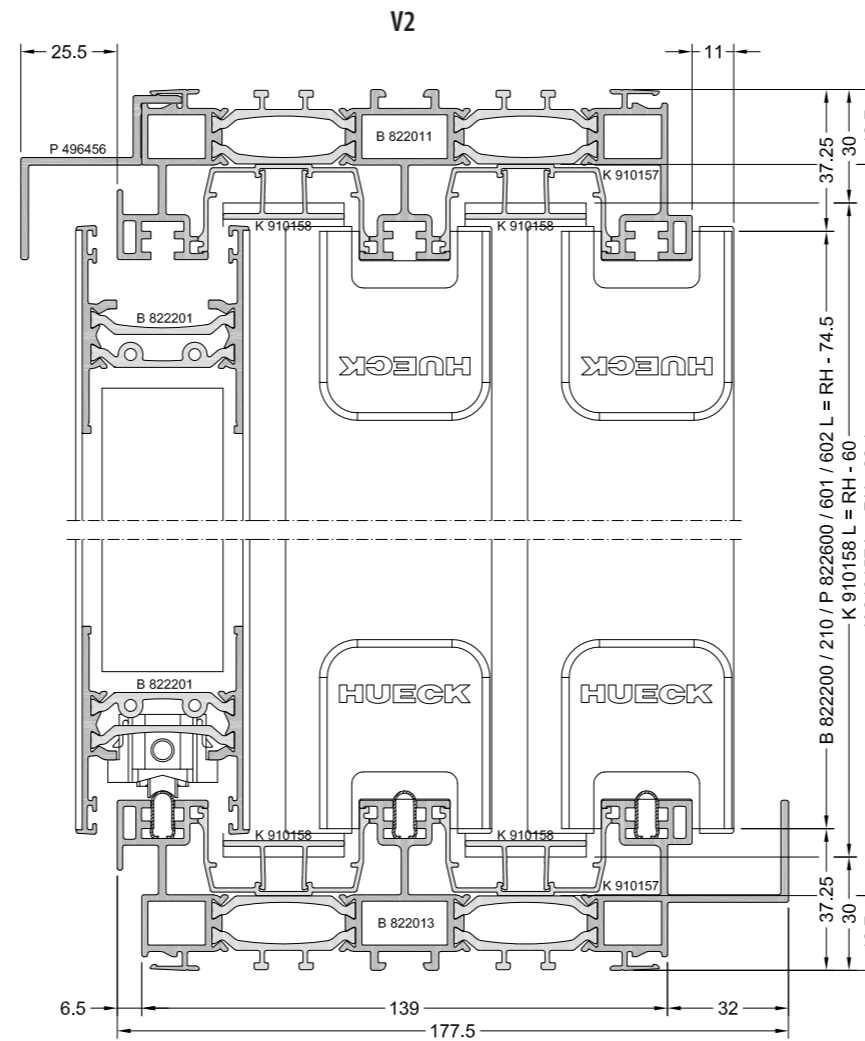
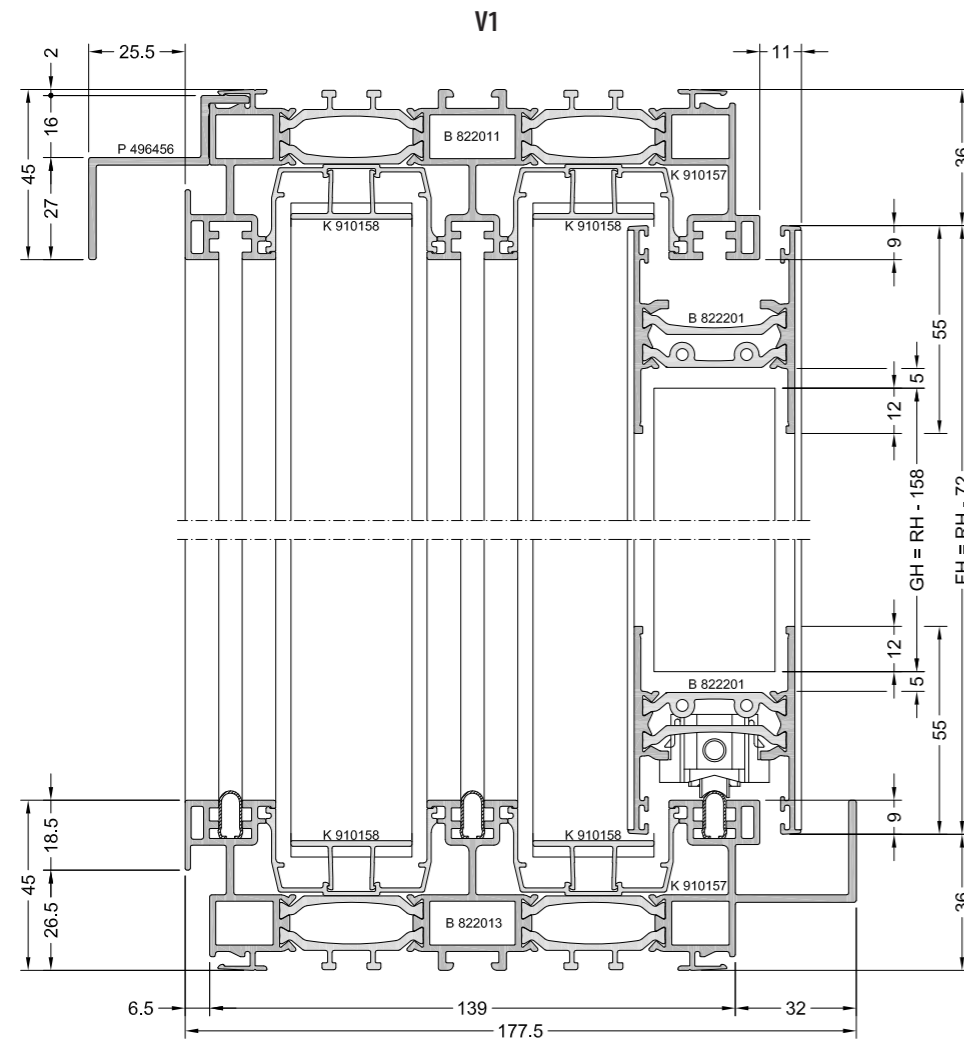


Ansicht von Aussen  
 View from the outside



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





Profilnummer Profile no.	Z
B 822200	67
B 822210	77

Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) / Zuschnittlänge in mm Position (outside view) / Cutting	Zuschnittwinkel Cutting angle	Anzahl Quantity
	Blendrahmen Fixed frame	B 822011	links/rechts / left/right = RH oben/unten / top/bottom = RB	45° + 45°	2
		B 822013		45° + 45°	2
		B 822021			
		B 822023			
	KS-U-Profil Plastic U-profile	K 910157	links/rechts = RH-39,4 left/right = RH-39,4 oben/unten kurz = LA1-37,2 top/bottom short = LA1-37,2 oben/unten lang = RB-LA1-37,2 top/bottom long = RB-LA1-37,2	45° + 45°	4
				45° + 90°	4
				90° + 45°	4
	KS-TT-Profil Plastic TT-profile	K 910158	links/rechts = RH-60 left/right = RH-60 oben/unten kurz = LA1-62 top/bottom short = LA1-62 oben/unten lang = LA2-62 top/bottom long = LA2-62	90° + 90°	4
				90° + 90°	4
				90° + 90°	4
	Wetterschenkel Weatherboard	P 496456	oben/unten / top/bottom = RB-12	90° + 90°	2*
	Flügelprofil Sash profile	B 822200 / B 822210	links/rechts / left/right = RH-74,5	90° + 90°	2
	Flügelprofil Sash profile	P 822600 / 601 / 602	seitlich / lateral = RH-74,5	90° + 90°	4
	Flügelprofil Sash profile	B 822201	oben/unten außen = LA1-Z-16,7 top/bottom out = LA1-Z-16,7 oben/unten außen = LA2-Z-16,7 top/bottom out = LA2-Z-16,7 oben/unten mitte = LA3+1 top/bottom middle = LA3+1	90° + 90°	2
				90° + 90°	2
				90° + 90°	2
	Labyrinthprofil Labyrinth profile	K 910155	seitlich / lateral = RH-74,5	90° + 90°	4
	Laufschiene Roller rail	Z 923011 / P 821700	unten / bottom = RB-90	90° + 90°	3
	Glasbreite Glass width		außen / out = LA1-Z-25,5 außen / out = LA2-Z-25,5 mitte / middle = LA3-7		
	Glashöhe Glass height		= RH-158		

\* Bei der Verwendung von B 822013 oder B 822023 1 Stück  
\* When using B 822013 or B 822023 1 piece

Bei gleichen Flügelgrößen: LA1 = LA2 = (RB+18,5-2xZ)/3+Z / LA3 = RB-LA1-LA2  
For the same sash sizes: LA1 = LA2 = (RB+18,5-2xZ)/3+Z / LA3 = RB-LA1-LA2

Nur zur Erklärung für den Aufbau der Schnitte:  
Only to explain the structure of the cuts:

LA1 = Abstand Rahmen außen links bis erste LA  
LA1 = Distance frame outside left to first LA  
LA2 = Abstand Rahmen außen rechts bis erste LA  
LA2 = Distance frame outside right to first LA  
LA3 = Abstand zwischen beiden LA1 und LA1  
LA3 = Distance between both LA1 and LA1

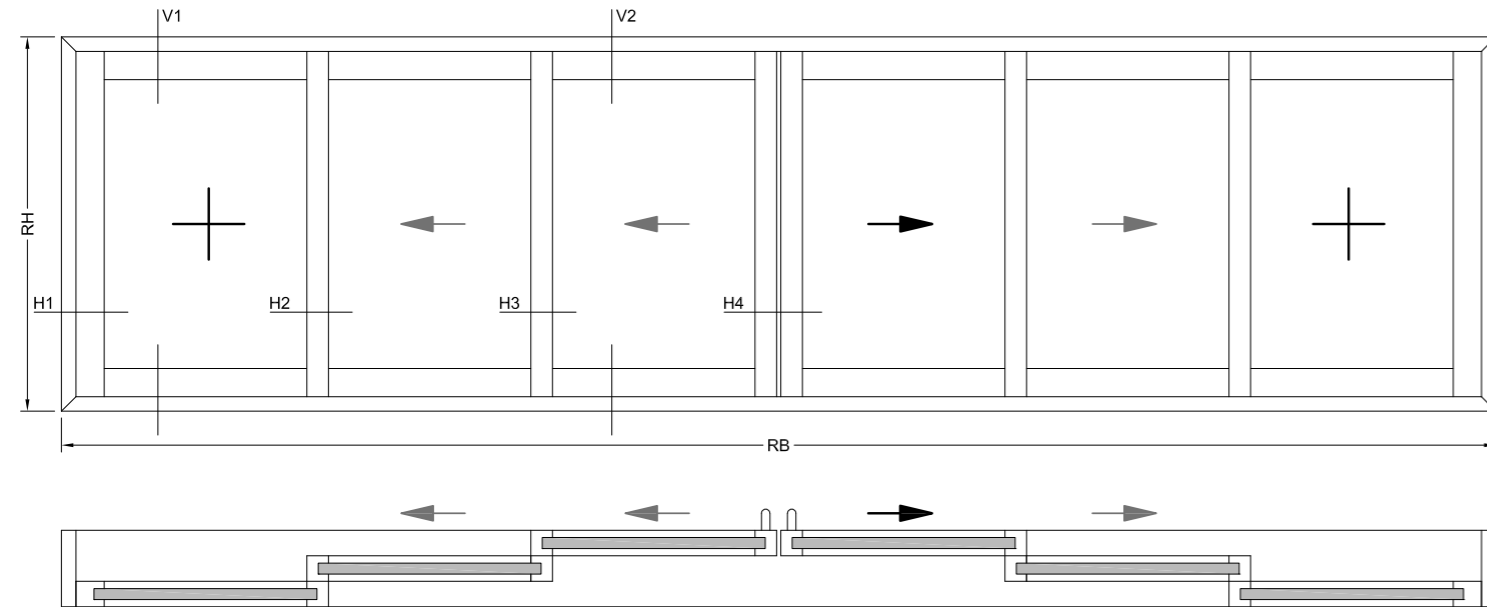


**Schema L1 / Scheme L1**

(dargestellt / shown)

3-spurige Anlage mit 6 Feldern  
 4 Schiebeflügel, 2 Festflügel  
 Primärer Flügel mittig nach links öffnend

Triple-tracked system with 6 fields  
 4 sliding sashes, 2 fixed sash  
 Primary sash in the middle sliding to the left



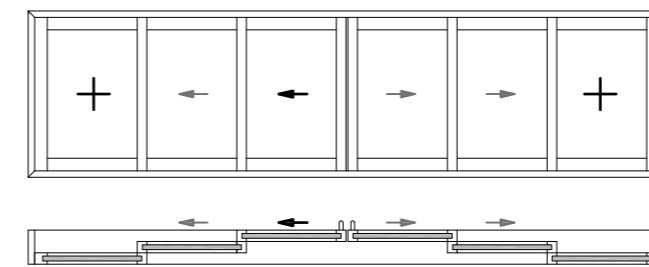
Ansicht von Aussen  
 View from the outside

**Schema L2 / Scheme L2**

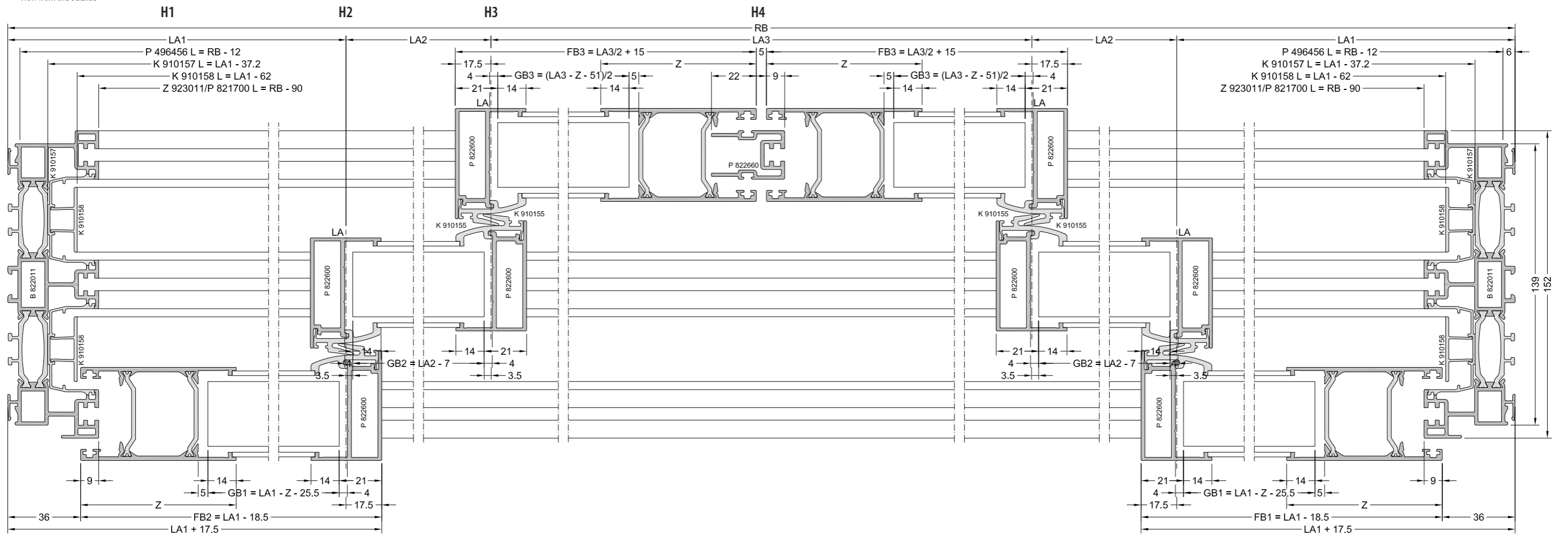
(spiegelbildlich / mirror inverted)

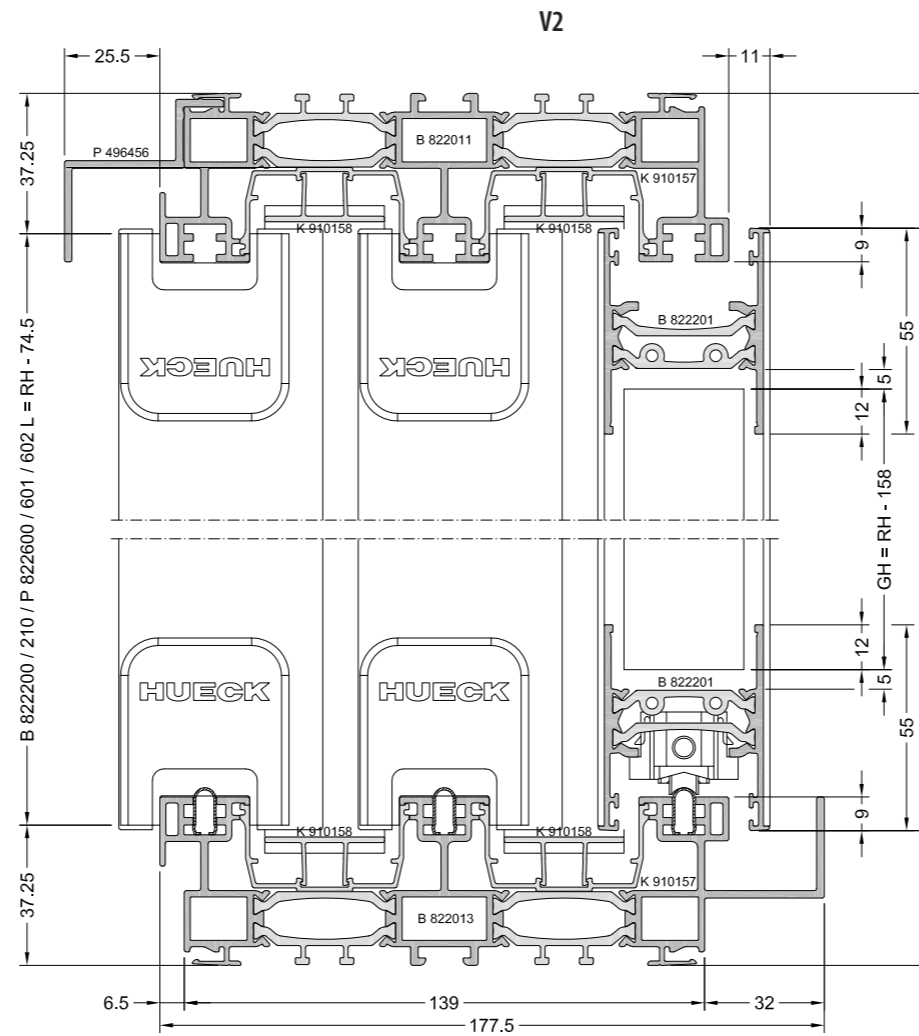
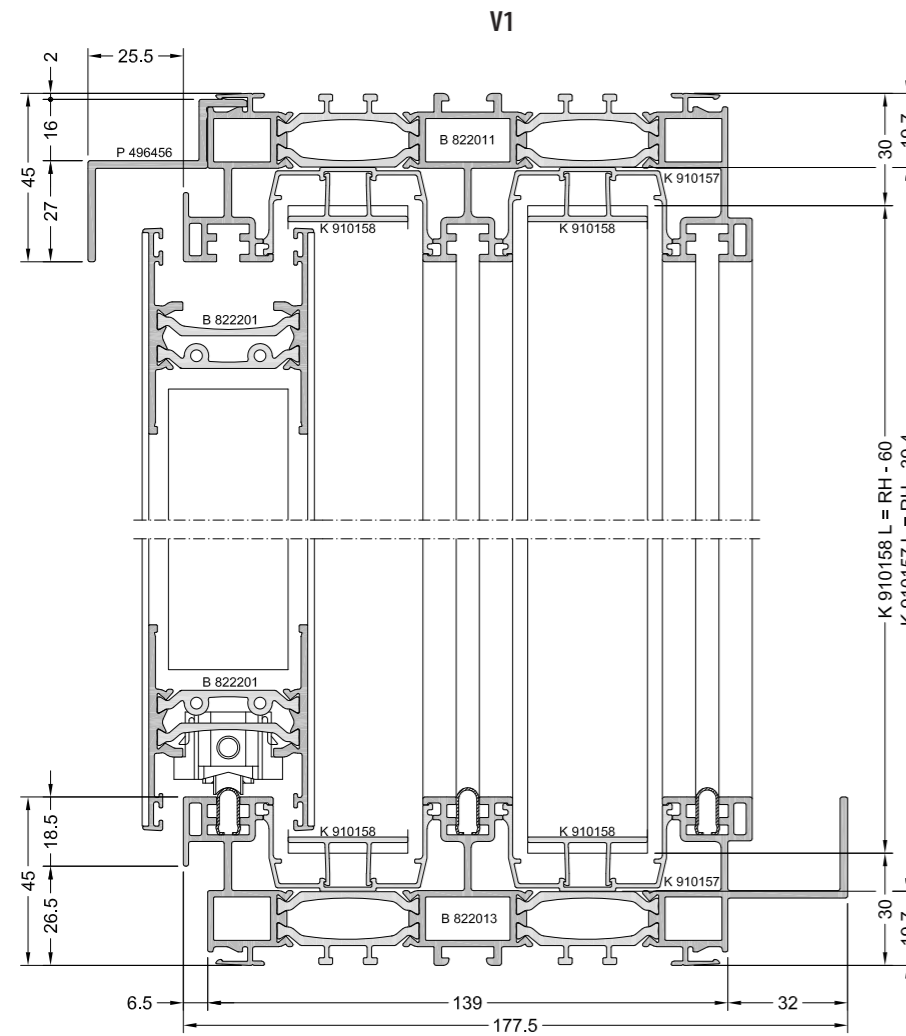
3-spurige Anlage mit 6 Feldern  
 4 Schiebeflügel, 2 Festflügel  
 Primärer Flügel mittig nach rechts öffnend

Triple-tracked system with 6 fields  
 4 sliding sashes, 2 fixed sash  
 Primary sash in the middle 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





Profilnummer Profile no.	Z
B 822200	67
B 822210	77

**Nur zur Erklärung für den Aufbau der Schnitte:**

Only to explain the structure of the cuts:

- LA1 = Abstand Rahmen außen links und rechts bis erste LA**  
LA1 = Distance frame outside left and right to first LA
- LA2 = Abstand LA1 bis nächste LA**  
LA2 = Distance LA1 to next LA
- LA3 = Abstand zwischen beiden LA2 und LA2**  
LA3 = Distance between both LA2 and LA2

Skizze Sketch	Bezeichnung Designation	Art.-Nr. Art.-No.	Lage (von außen) / Zuschnittlänge in mm Position (outside view) / Cutting	Zuschnittwinkel Cutting angle	Anzahl Quantity			
	<b>Blendrahmen</b> Fixed frame	B 822011	links/rechts / left/right = RH oben/unten / top/bottom = RB	45° + 45° 45° + 45°	2 2			
		B 822013						
		B 822021						
		B 822023						
	<b>KS-U-Profil</b> Plastic U-profile	K 910157	links/rechts = RH-39,4 left/right = RH-39,4	45° + 45°	4			
			oben/unten außen kurz = LA1-37,2 top/bottom outside short = LA1-37,2	45° + 90°	4			
			oben/unten außen lang = LA1+LA2-37,2 top/bottom outside long = LA1+LA2-37,2	90° + 45°	4			
			oben/unten mitte kurz = RB-2xLA1-35 top/bottom middle short = RB-2xLA1-35	90° + 90°	2			
			oben/unten mitte lang = RB-2xLA1-2xLA2-35 top/bottom middle long = RB-2xLA1-2xLA2-35	90° + 90°	2			
				<b>KS-TT-Profil</b> Plastic TT-profile	K 910158	links/rechts = RH-60 left/right = RH-60	90° + 90°	4
						oben/unten außen kurz = LA1-62 top/bottom outside short = LA1-62	90° + 90°	4
oben/unten außen lang = LA1+LA2-62 top/bottom outside long = LA1+LA2-62	90° + 90°	4						
oben/unten mitte kurz = RB-2xLA1-55 top/bottom middle short = RB-2xLA1-55	90° + 90°	2						
	<b>Wetterschenkel</b> Weatherboard	P 496456	oben/unten / top/bottom = RB-12	90° + 90°	2*			
				<b>Flügelprofil</b> Sash profile	B 822200 / B 822210	links/rechts + mitte = RH-74,5 left/right + middle = RH-74,5	90° + 90°	4
	<b>Flügelprofil</b> Sash profile	P 822600 / 601 / 602				seitlich / lateral = RH-74,5	90° + 90°	8
				<b>Flügelprofil</b> Sash profile	B 822201	oben/unten außen = LA1-Z-16,7 top/bottom outside = LA1-Z-16,7	90° + 90°	4
oben/unten mitte = (LA3-2xZ-33,6)/2 top/bottom middle = (LA3-2xZ-33,6)/2	90° + 90°	4						
oben/unten Zwischenflügel = LA2+1 top/bottom intermediate sash = LA2+1	90° + 90°	4						
	<b>Stoßprofil</b> Joint profile	P 822660				mitte / middle = RH-124,5	90° + 90°	1
			<b>Labyrinthprofil</b> Labyrinth profile	K 910155	seitlich / lateral = RH-74,5	90° + 90°	4	
	<b>Laufschiene</b> Roller rail	Z 923011 / P 821700			unten / bottom = RB-90	90° + 90°	3	
			<b>Glasbreite</b> Glass width		außen / outside = LA1-Z-25,5			
	mitte / middle = (LA3-Z-51)/2							
	Zwischenflügel / intermediate sash = LA2-7							
	<b>Glashöhe</b> Glass height		= RH-158					

\* Bei der Verwendung von B 822013 oder B 822023 1 Stück  
\* When using B 822013 or B 822023 1 piece

Bei gleichen Glasgrößen: LA1 = (RB+104+2xZ)/6 / LA2 = (RB-4xLA1+67)/2 / LA3 = RB-2xLA1-2xLA2  
For the same glass sizes: LA1 = (RB+104+2xZ)/6 / LA2 = (RB-4xLA1+67)/2 / LA3 = RB-2xLA1-2xLA2



### 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. Wärmegegedämmte Profile sollten beim Sägen der Gehrung so aufgelegt werden, dass i.d.R. die Innenschale einer Baugruppe rechtwinklig zum Sägeschnitt 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. Unterlagen sind in Eigenfertigung herzustellen, wenn nicht mit einer Art. Nr. kenntlich gemacht!

### 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. Shims fabricated by self production, if not identified with an art. nr.!

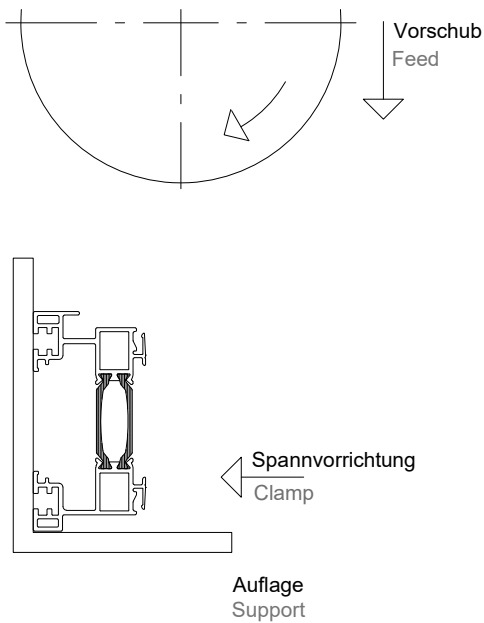


Abb. 1a  
Illustration 1a

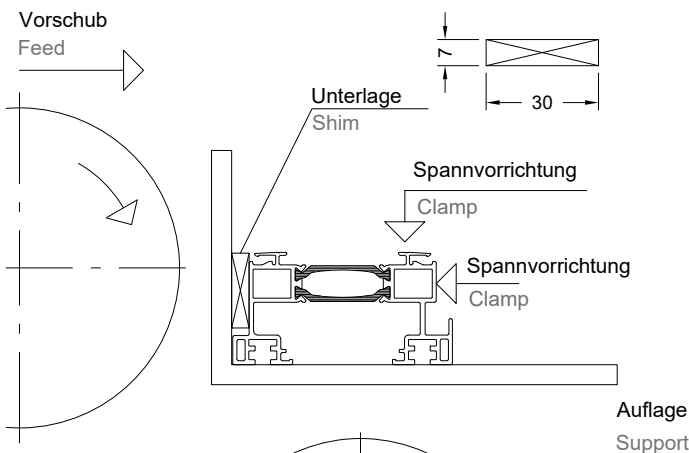


Abb. 1c  
Illustration 1c

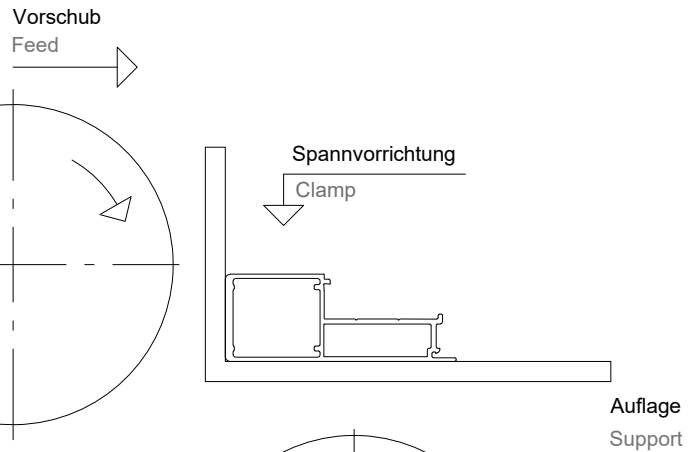
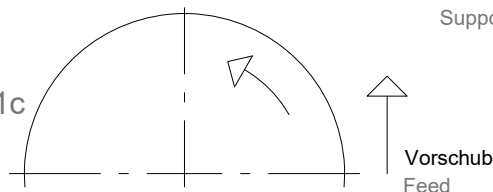


Abb. 1b  
Illustration 1b

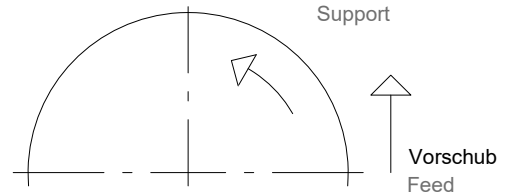
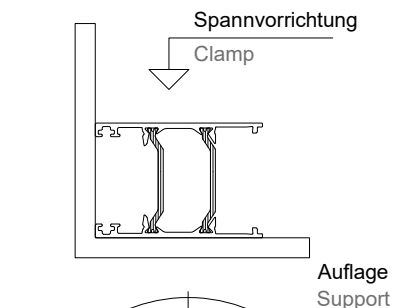
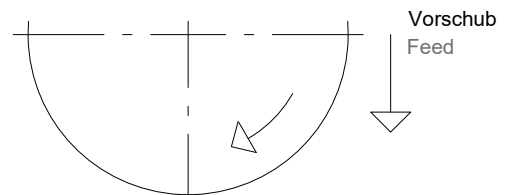
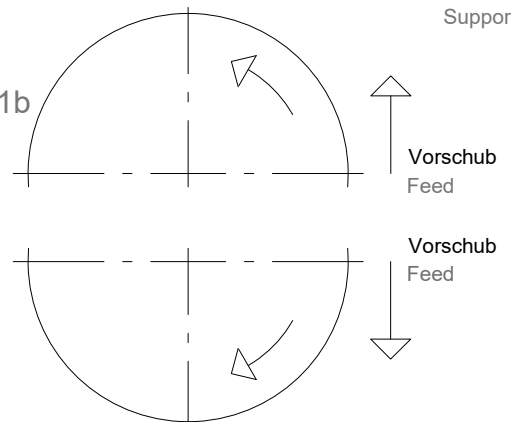
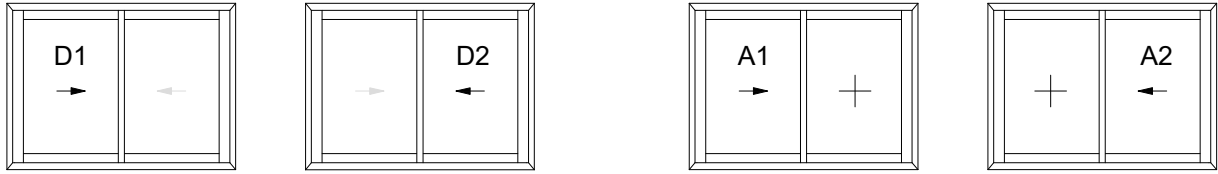


Abb. 1d  
Illustration 1d

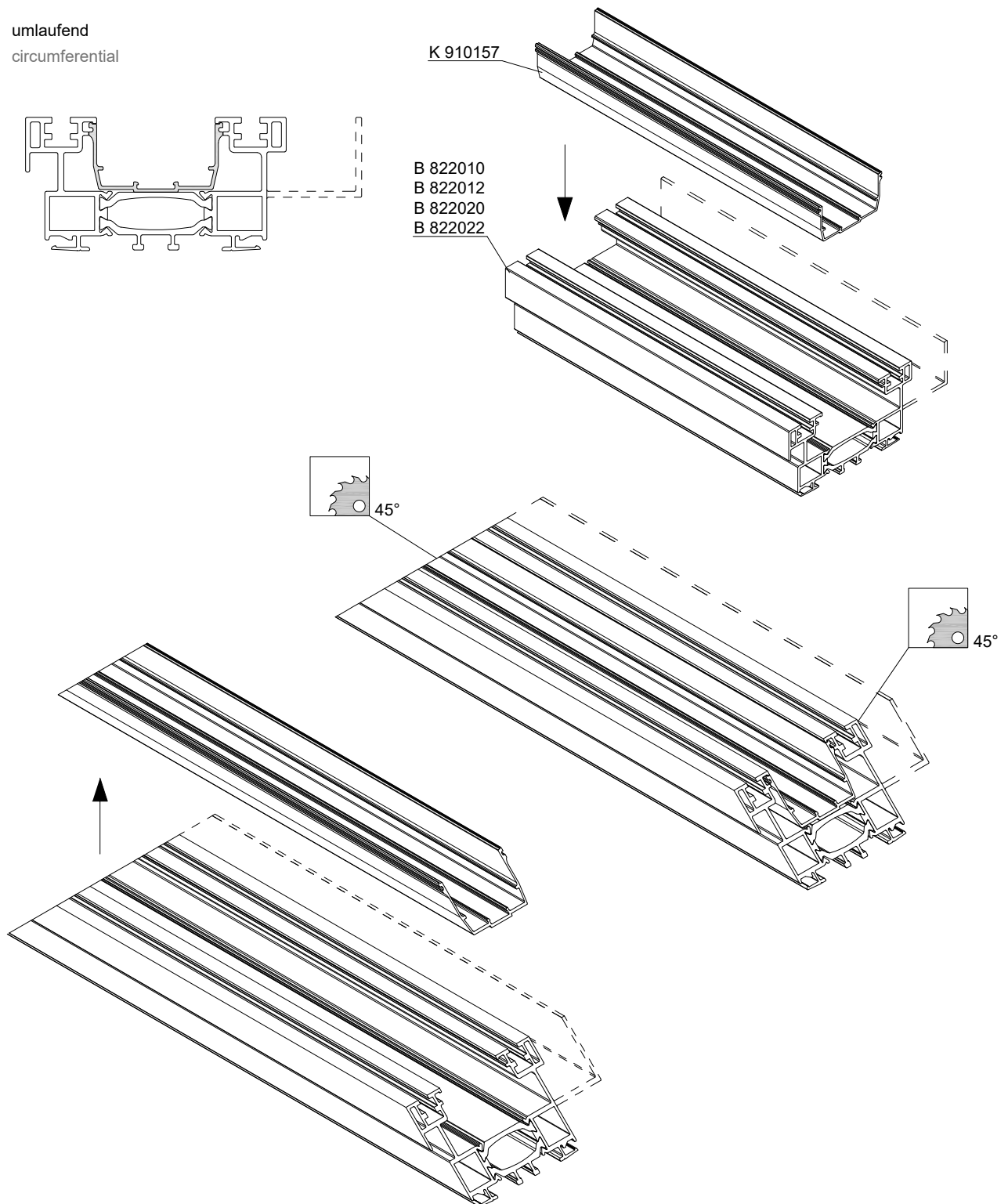
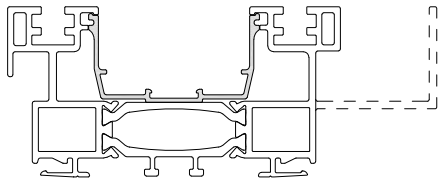




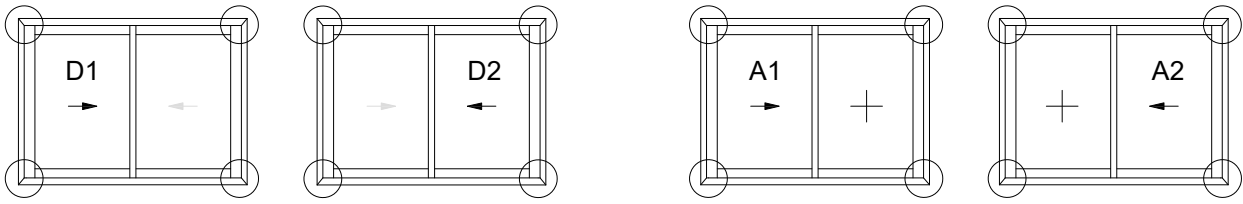
**B 822010, B 822012, B 822020, B 822022**

**K 910157**

umlaufend  
 circumferential

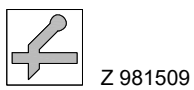
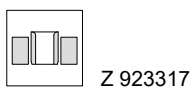
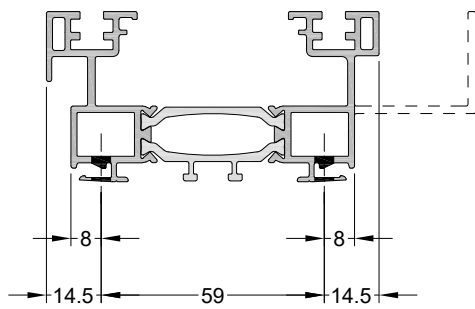
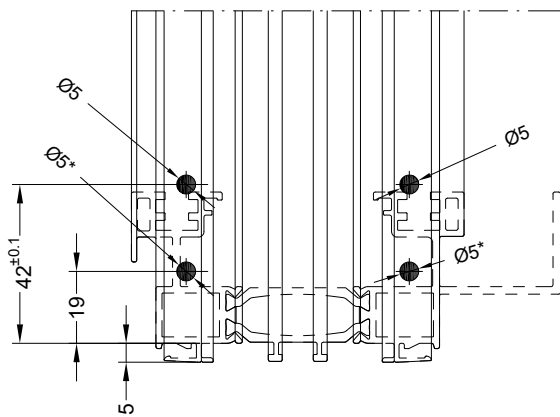


RAHMENBEARBEITUNG  
 FRAME PROCESSING

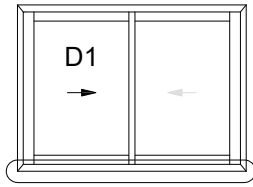


**B 822010, B 822012, B 822020, B 822022**

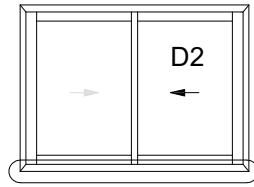
- \* Bohrung wahlweise,  
für nachträgliche Verklebung
- \* drilling optional,  
for retro gluing after assembly



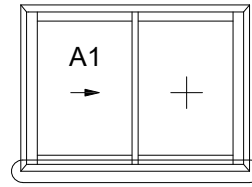
RAHMENBEARBEITUNG  
FRAME PROCESSING



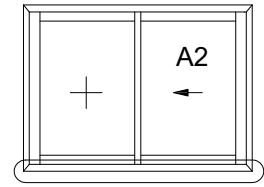
Schema D1 dargestellt  
Scheme D1 shown



Schema D2 spiegelbildlich  
Scheme D2 mirror-inverted

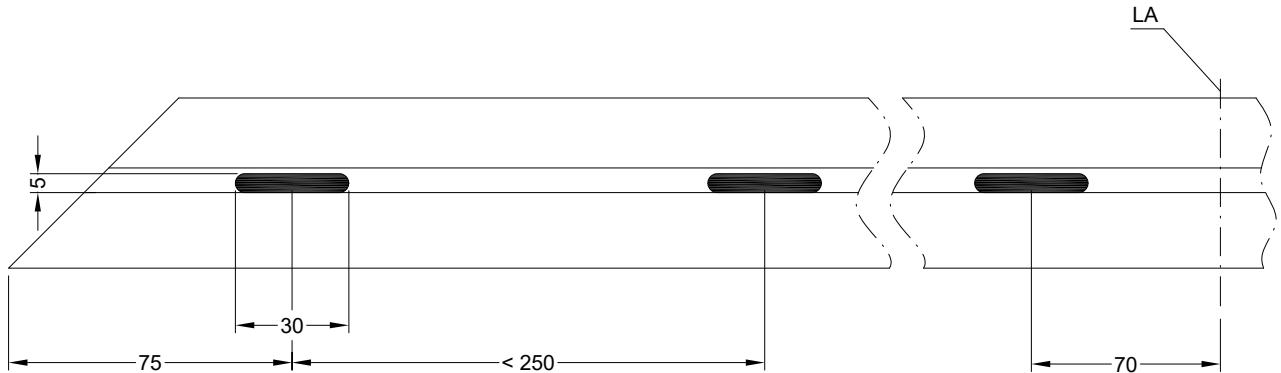


Schema A1 dargestellt  
Scheme A1 shown

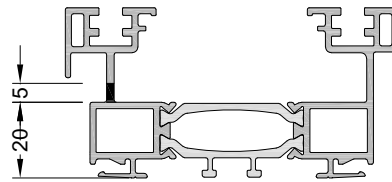


Schema A2 spiegelbildlich  
Scheme A2 mirror-inverted

**B 822010, B 822012, B 822020, B 822022**



Z 981511

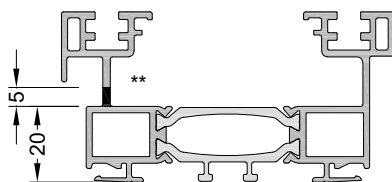
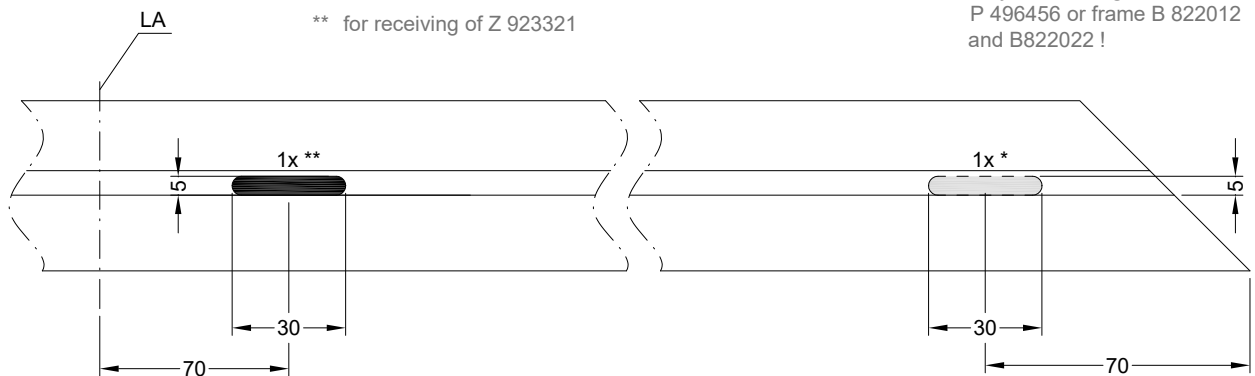


\*\* Zur Aufnahme von Z 923321

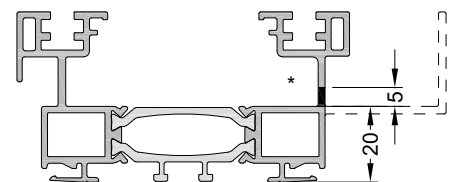
\*\* for receiving of Z 923321

\* Nur bei der Verwendung vom  
Wetterschenkel P 496456 oder  
Rahmen B 822012 und B822022 !

\* only when using water bar  
P 496456 or frame B 822012  
and B822022 !

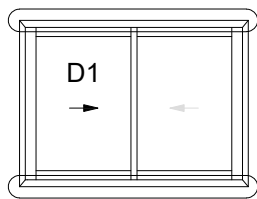


Z 981511

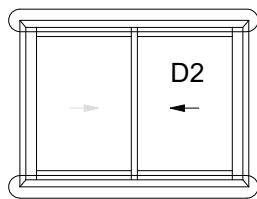




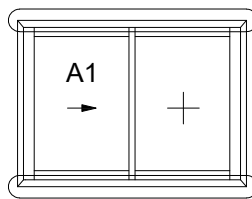
RAHMENBEARBEITUNG  
 FRAME PROCESSING



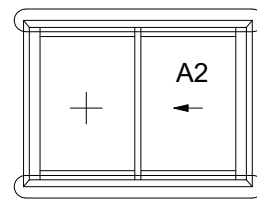
Schema D1 dargestellt  
 Schema D1 shown



Schema D2 spiegelbildlich  
 Schema D2 mirror-inverted

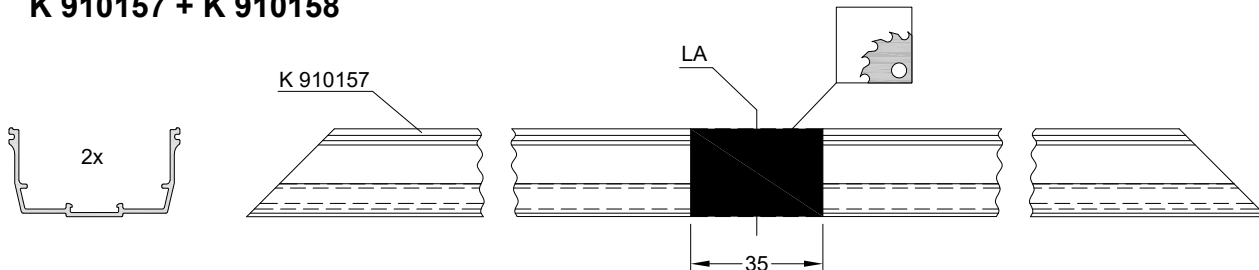


Schema A1 dargestellt  
 Schema A1 shown

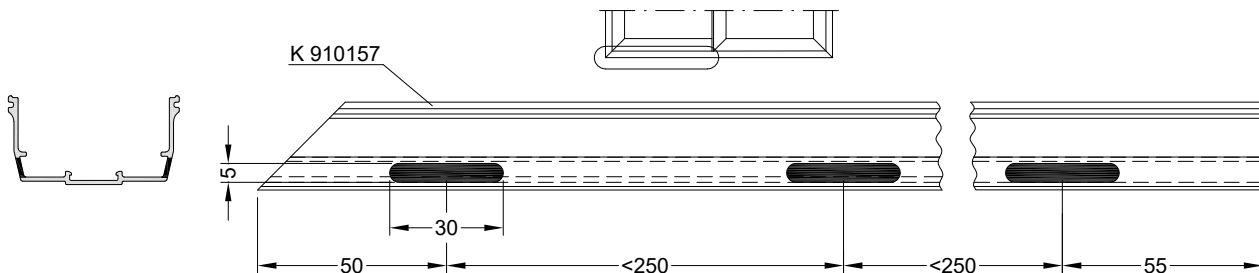


Schema A2 spiegelbildlich  
 Schema A2 mirror-inverted

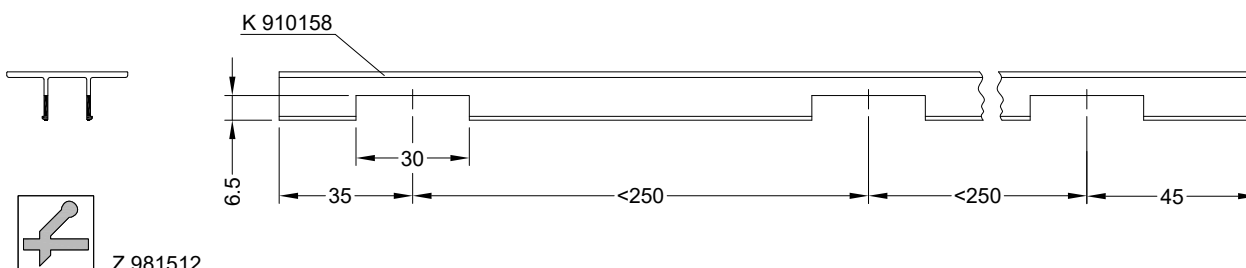
**K 910157 + K 910158**



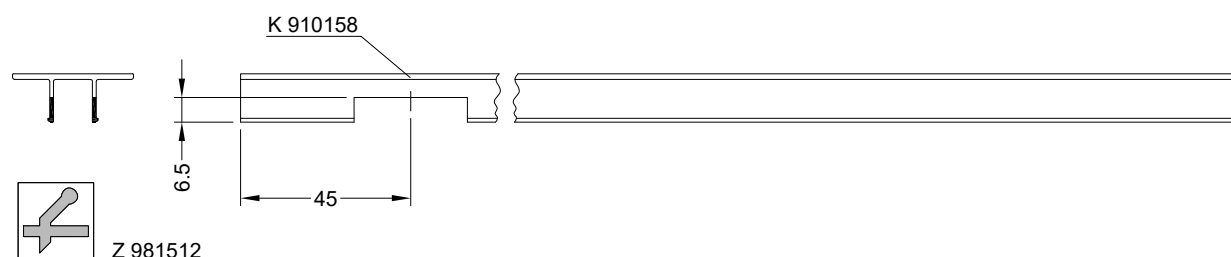
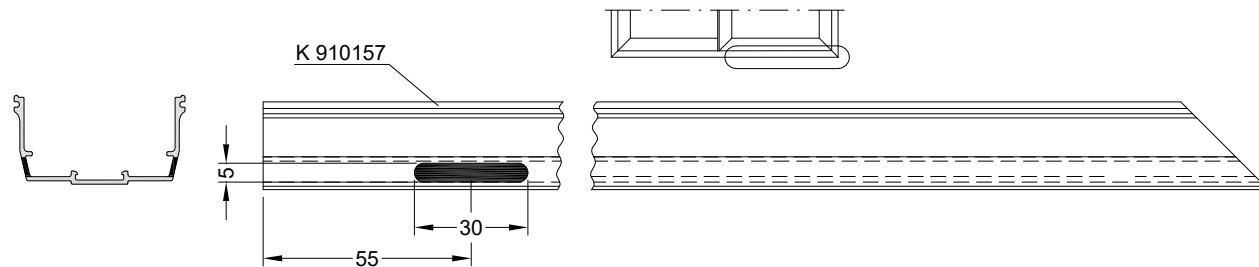
Schema A1/D1 dargestellt    Schema A2/D2 spiegelbildlich  
 Schema A1/D1 shown    Schema A2/D2 mirror-inverted



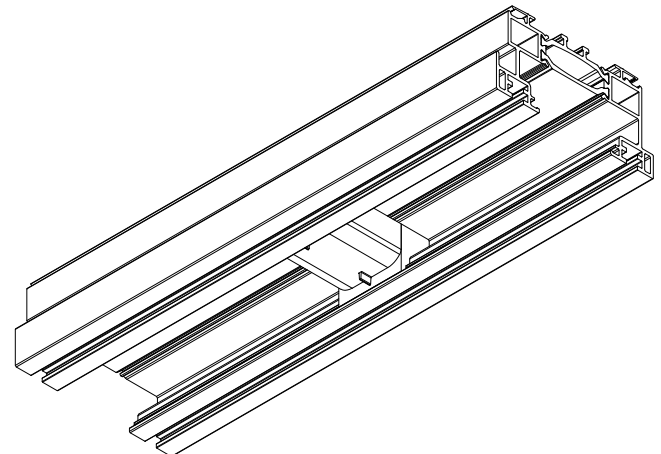
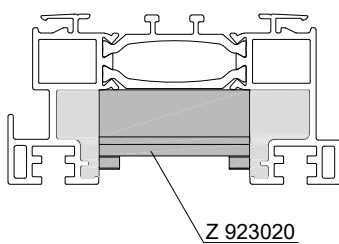
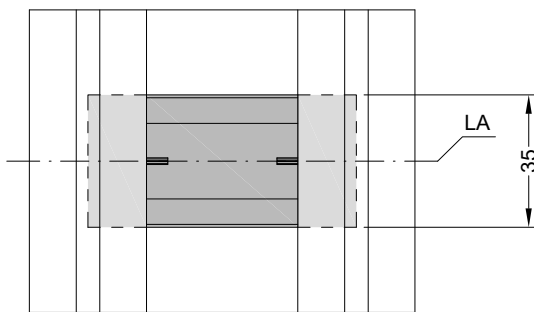
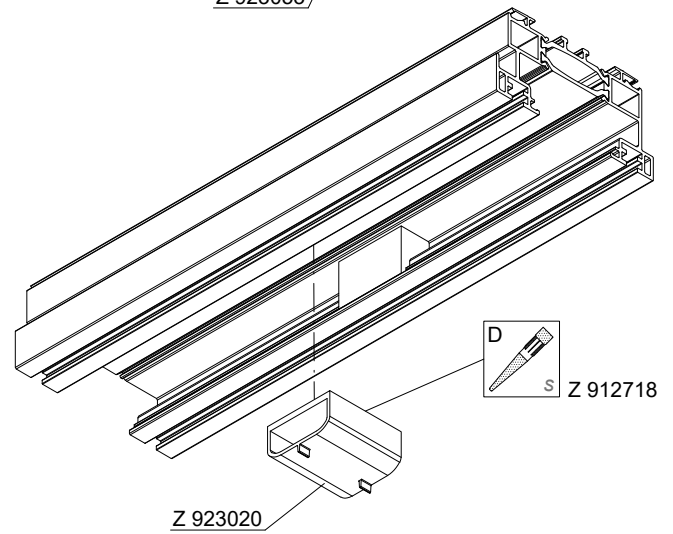
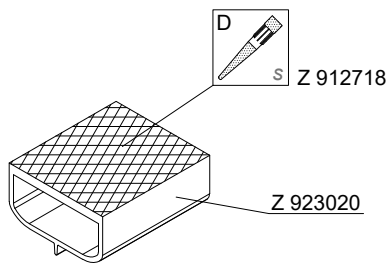
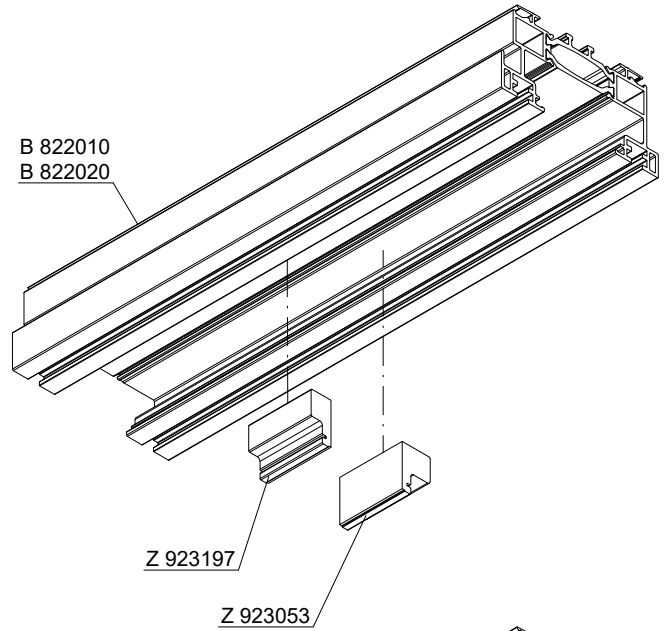
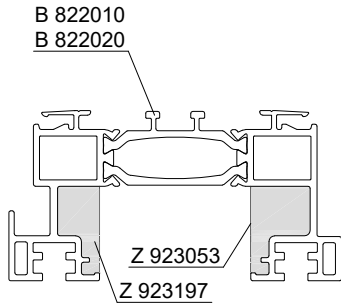
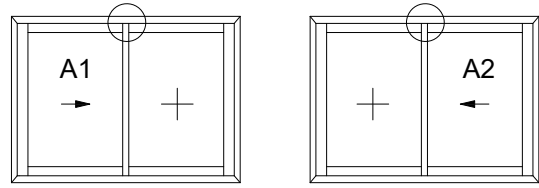
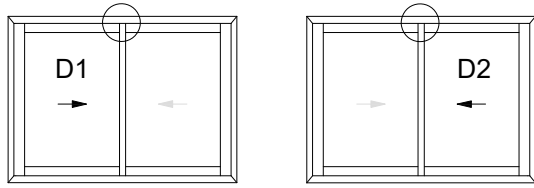
Schema A1/D1 dargestellt    Schema A2/D2 spiegelbildlich  
 Schema A1/D1 shown    Schema A2/D2 mirror-inverted



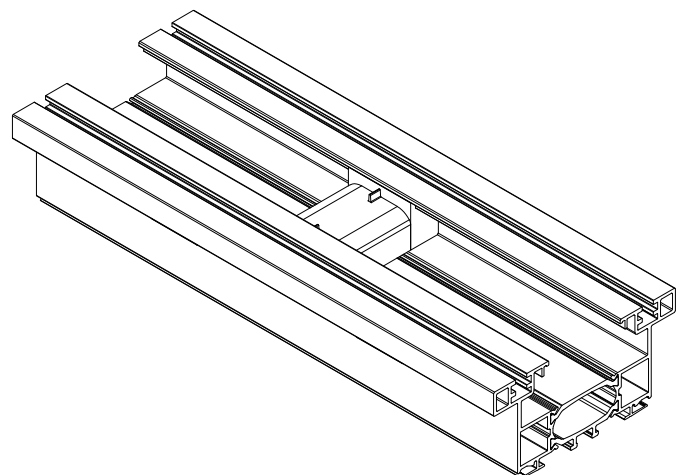
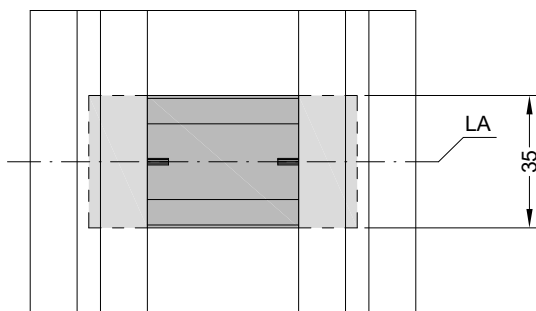
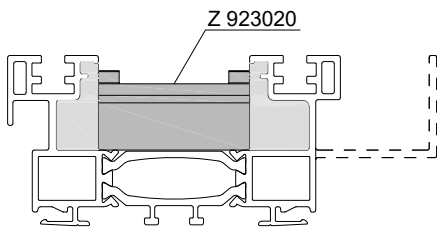
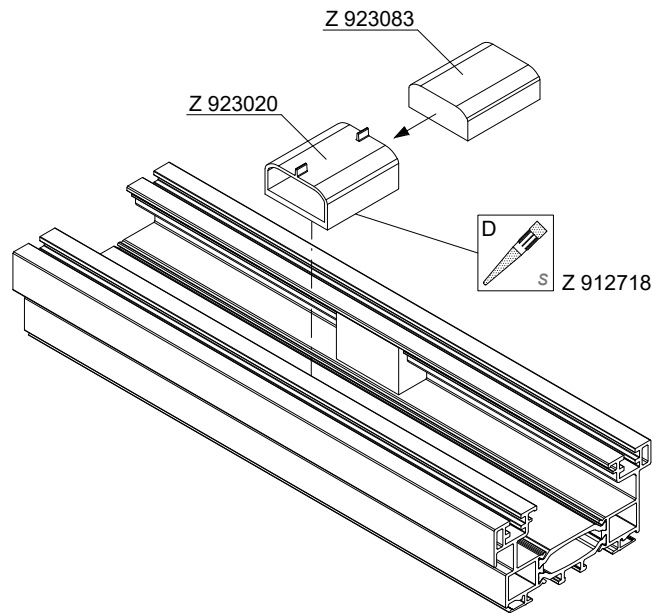
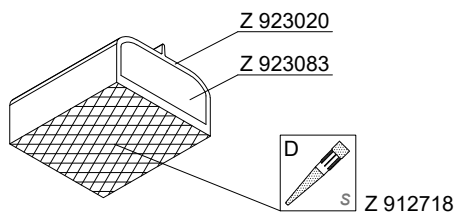
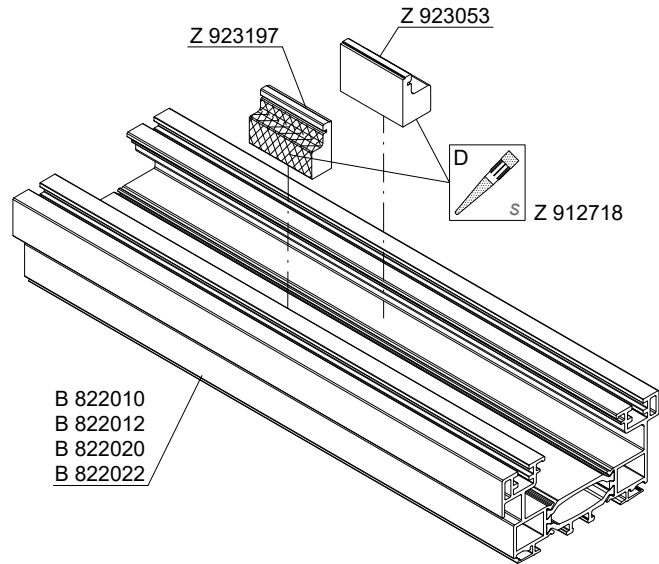
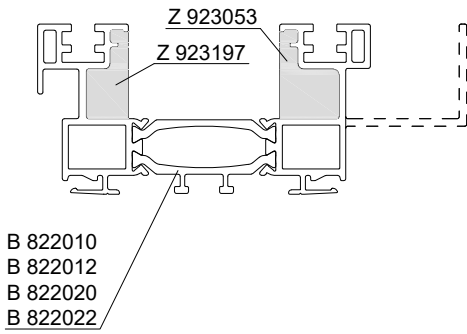
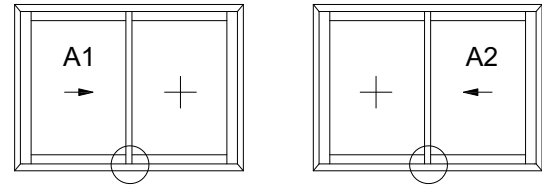
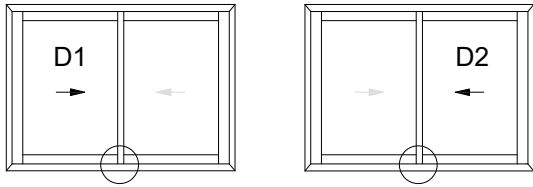
Schema A1/D1 dargestellt    Schema A2/D2 spiegelbildlich  
 Schema A1/D1 shown    Schema A2/D2 mirror-inverted



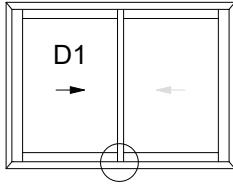
RAHMENMONTAGE  
 FRAME ASSEMBLY



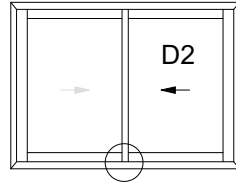
RAHMENMONTAGE  
 FRAME ASSEMBLY



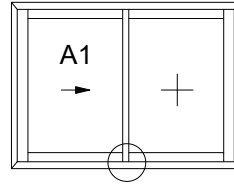
RAHMENMONTAGE  
 FRAME ASSEMBLY



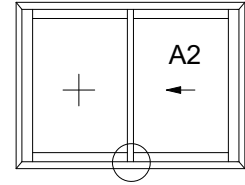
Schema D1 dargestellt  
 Scheme D1 shown



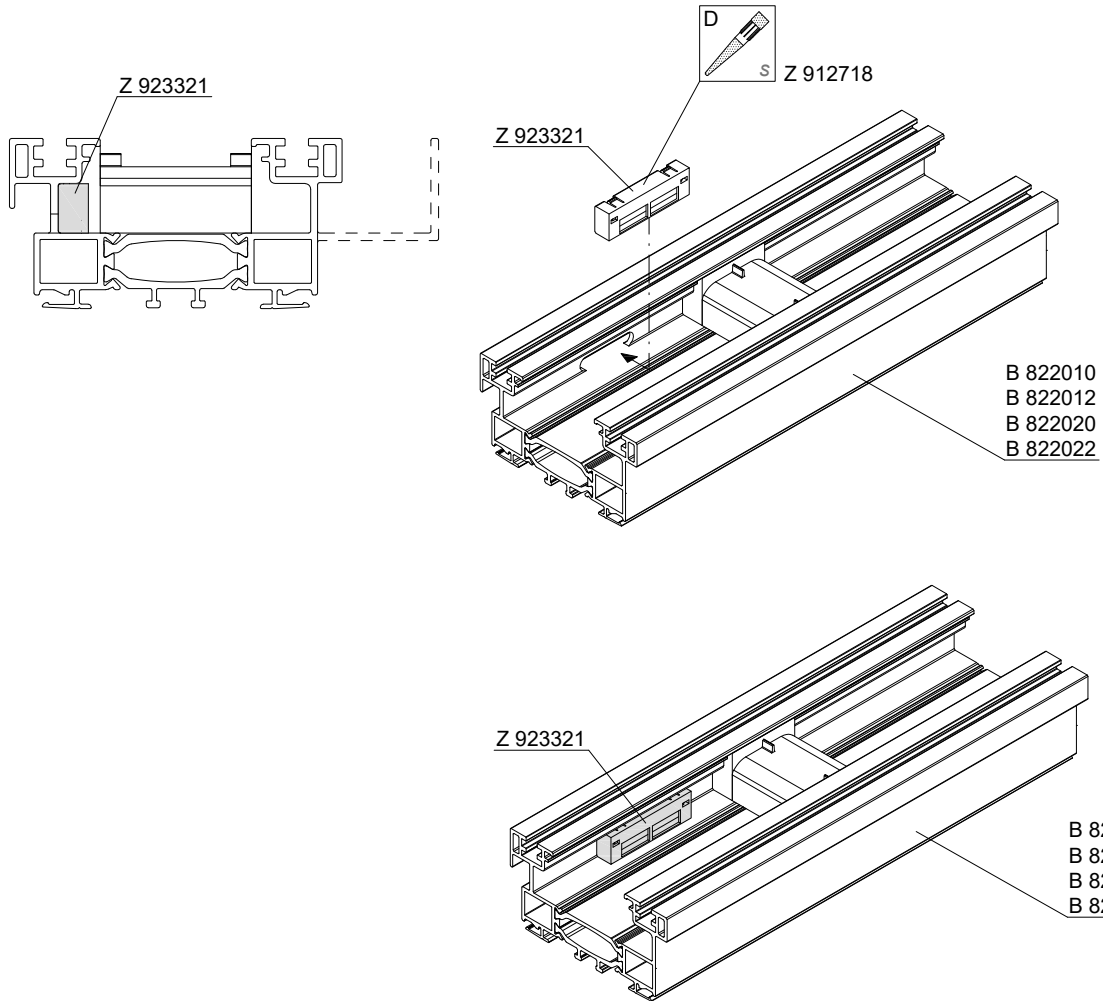
Schema D2 spiegelbildlich  
 Scheme D2 mirror-inverted



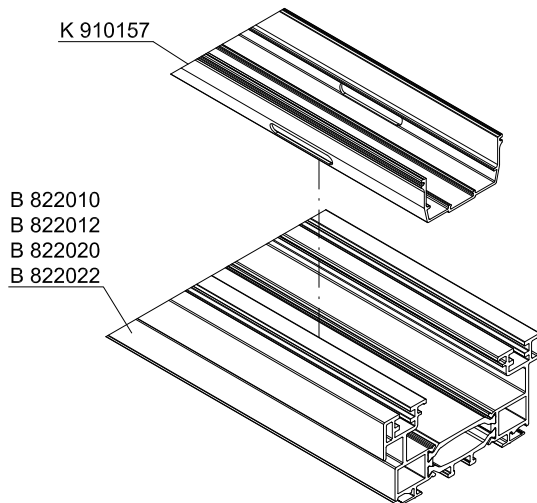
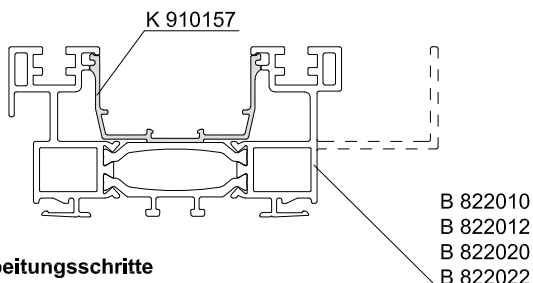
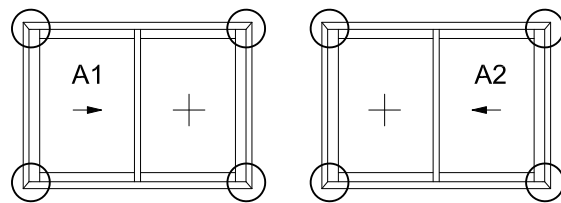
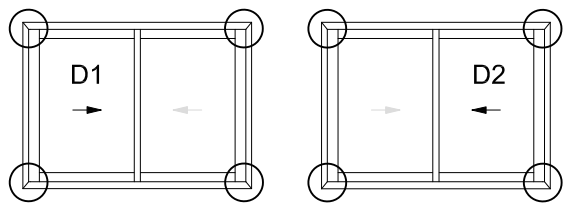
Schema A1 dargestellt  
 Scheme A1 shown



Schema A2 spiegelbildlich  
 Scheme A2 mirror-inverted



RAHMENMONTAGE  
 FRAME ASSEMBLY

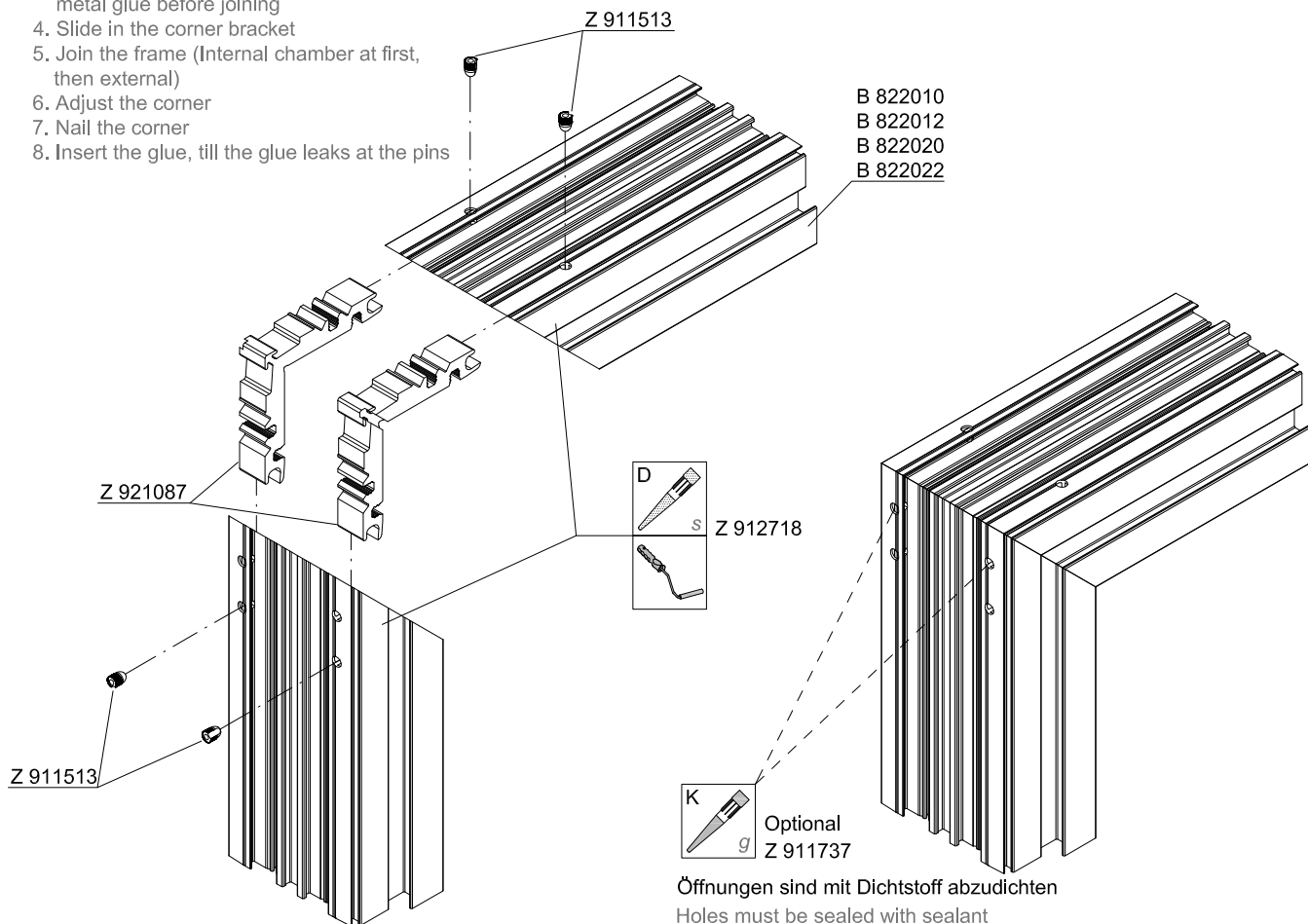


**Bearbeitungsschritte**

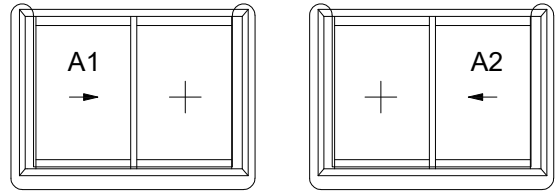
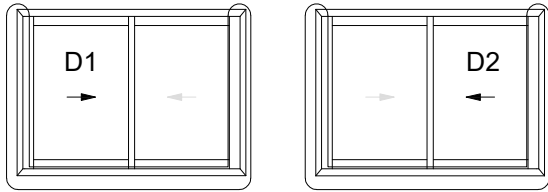
1. K 910157 umlaufend eindrücken
2. Schnittflächen versiegeln
3. Falls keine nachträgliche Verklebung vorgesehen ist, müssen vor dem Fügen alle Profillinienflächen im Eckbereich mit HUECK Metallkleber bestrichen werden
4. Eckverbinder einschieben
5. Rahmen fügen (erst Innen-, dann Außenkammer)
6. Ecke ausrichten
7. Ecke verstiften
8. Kleber einspritzen, bis der Kleber an den Stiften austritt

**Processing steps**

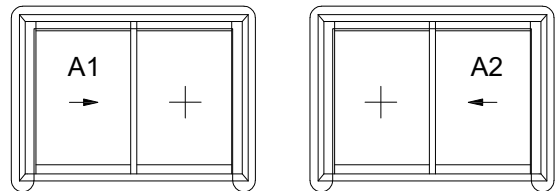
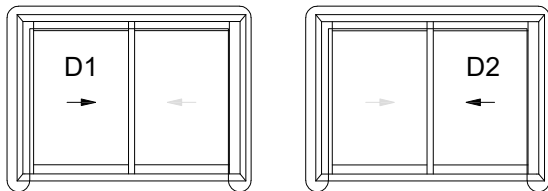
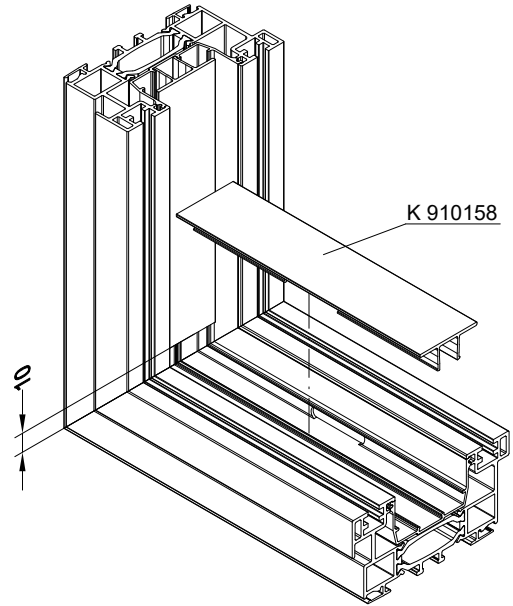
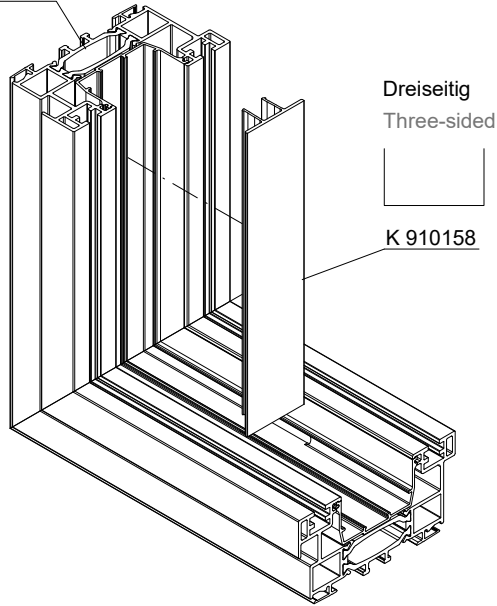
1. Insert K 910157 circumferential
2. Seal the cut surfaces
3. If there is no subsequent gluing planned, all inner profile surfaces at the corner area must be applied with HUECK metal glue before joining
4. Slide in the corner bracket
5. Join the frame (Internal chamber at first, then external)
6. Adjust the corner
7. Nail the corner
8. Insert the glue, till the glue leaks at the pins



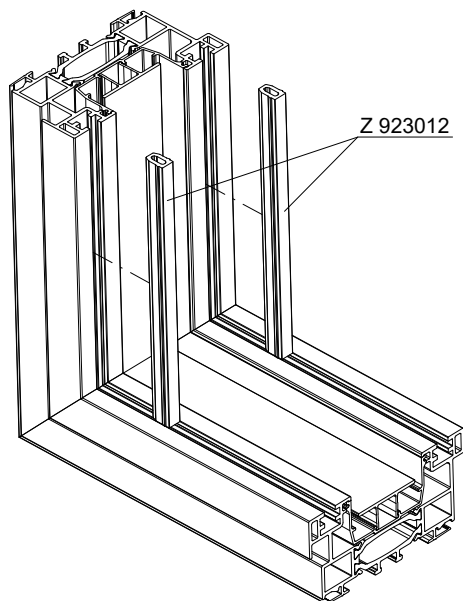
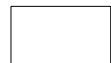
RAHMENMONTAGE  
 FRAME ASSEMBLY



B 822010  
 B 822012  
 B 822020  
 B 822022



Dreiseitig  
 Three-sided



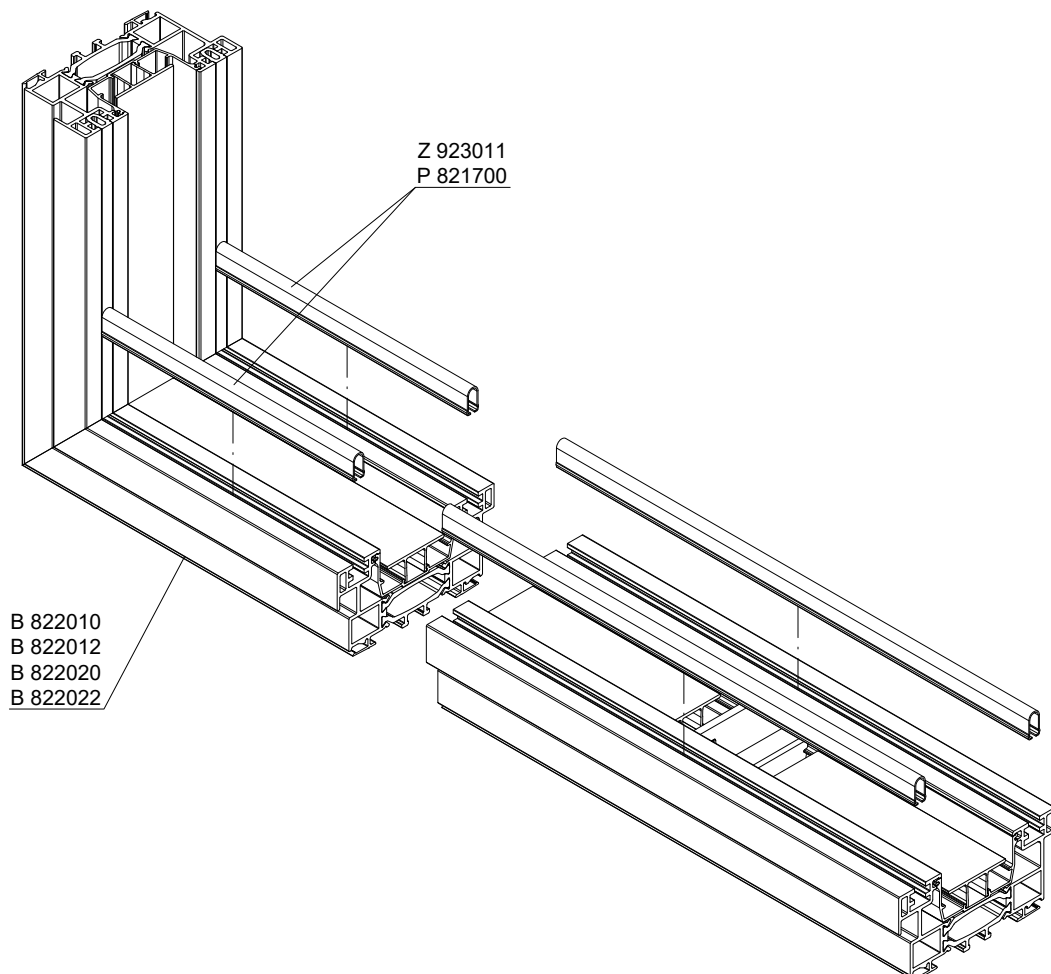
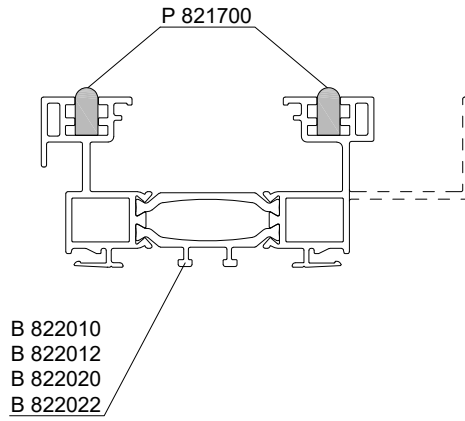
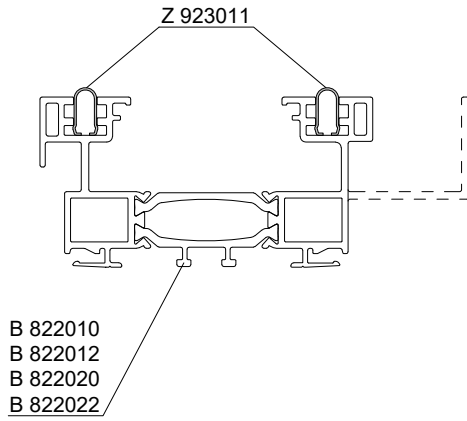
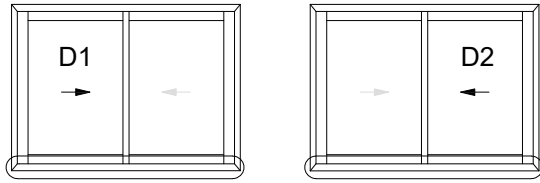
**Bearbeitungsschritte**

1. Schließteile einbauen und positionieren  
 (siehe Kapitel Beschlagenbau)
2. Dichtungen einziehen

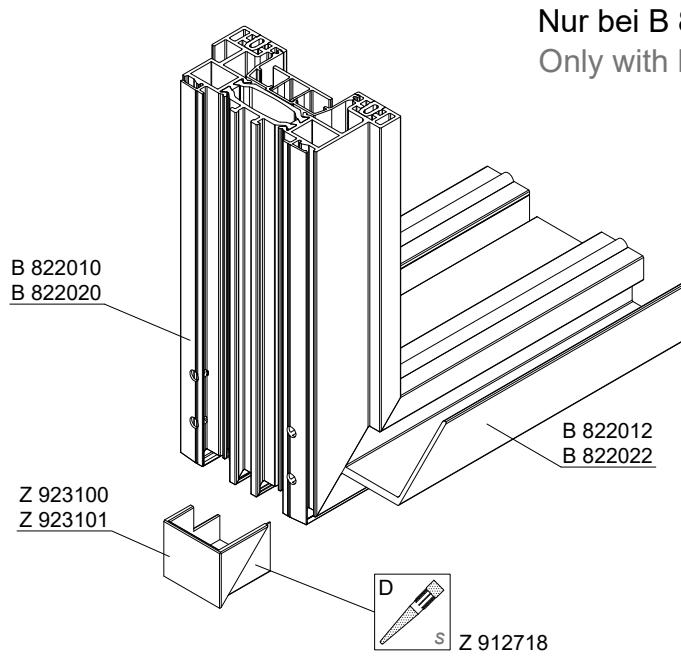
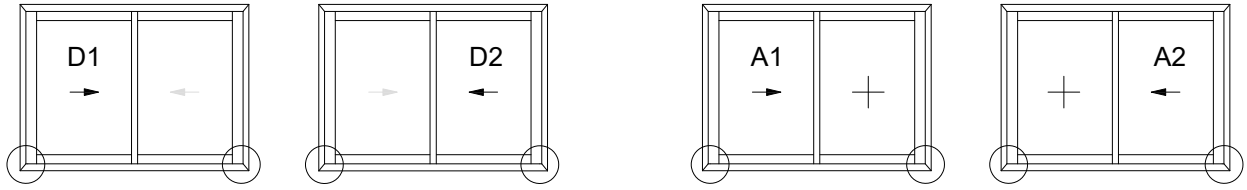
**Processing steps**

1. Install and position the locking parts  
 (see chapter fitting installation)
2. Insert the gaskets

RAHMENMONTAGE  
FRAME ASSEMBLY

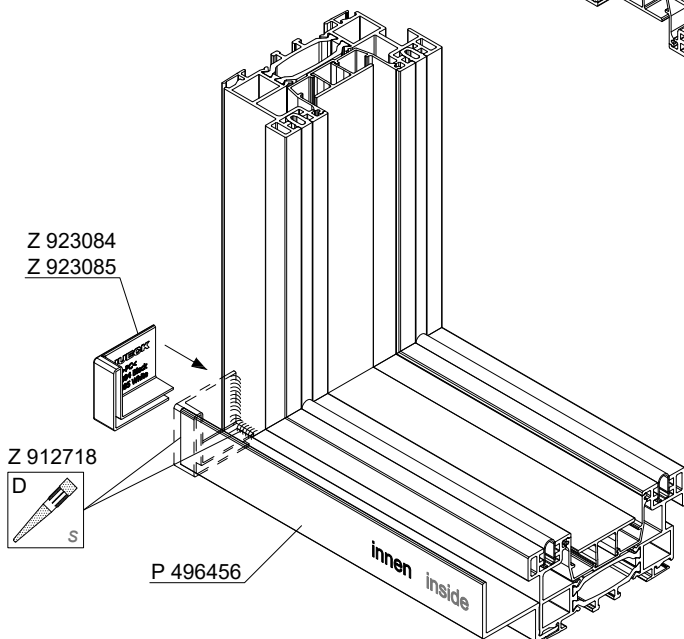
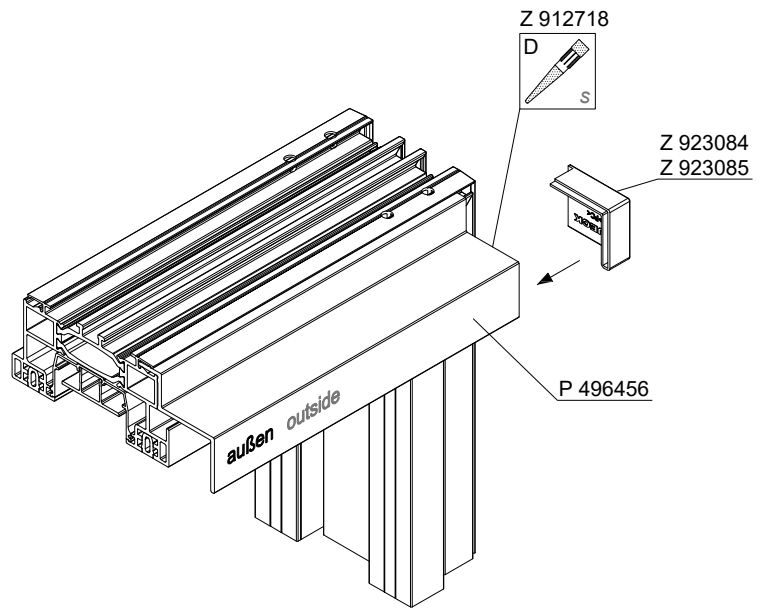
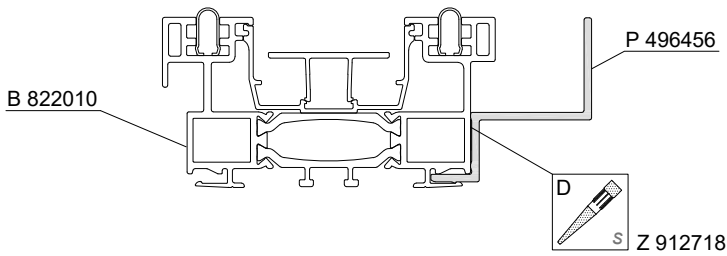
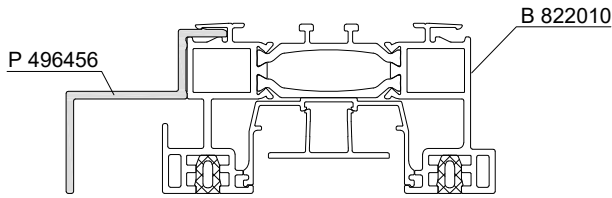
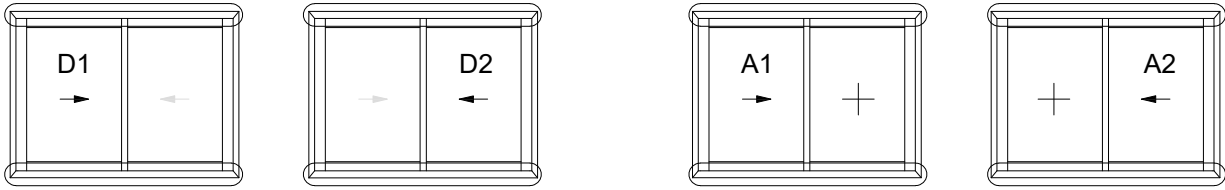


RAHMENMONTAGE  
 FRAME ASSEMBLY

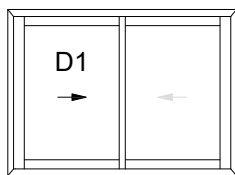




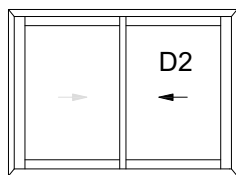
RAHMENMONTAGE  
 FRAME ASSEMBLY



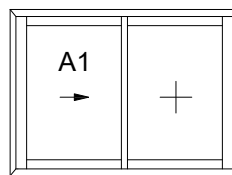
FLÜGELMONTAGE  
 SASH ASSEMBLY



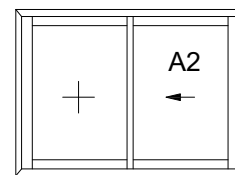
Schema D1 dargestellt  
 Schema D1 shown



Schema D2 spiegelbildlich  
 Schema D2 mirror-inverted



Schema A1 dargestellt  
 Schema A1 shown



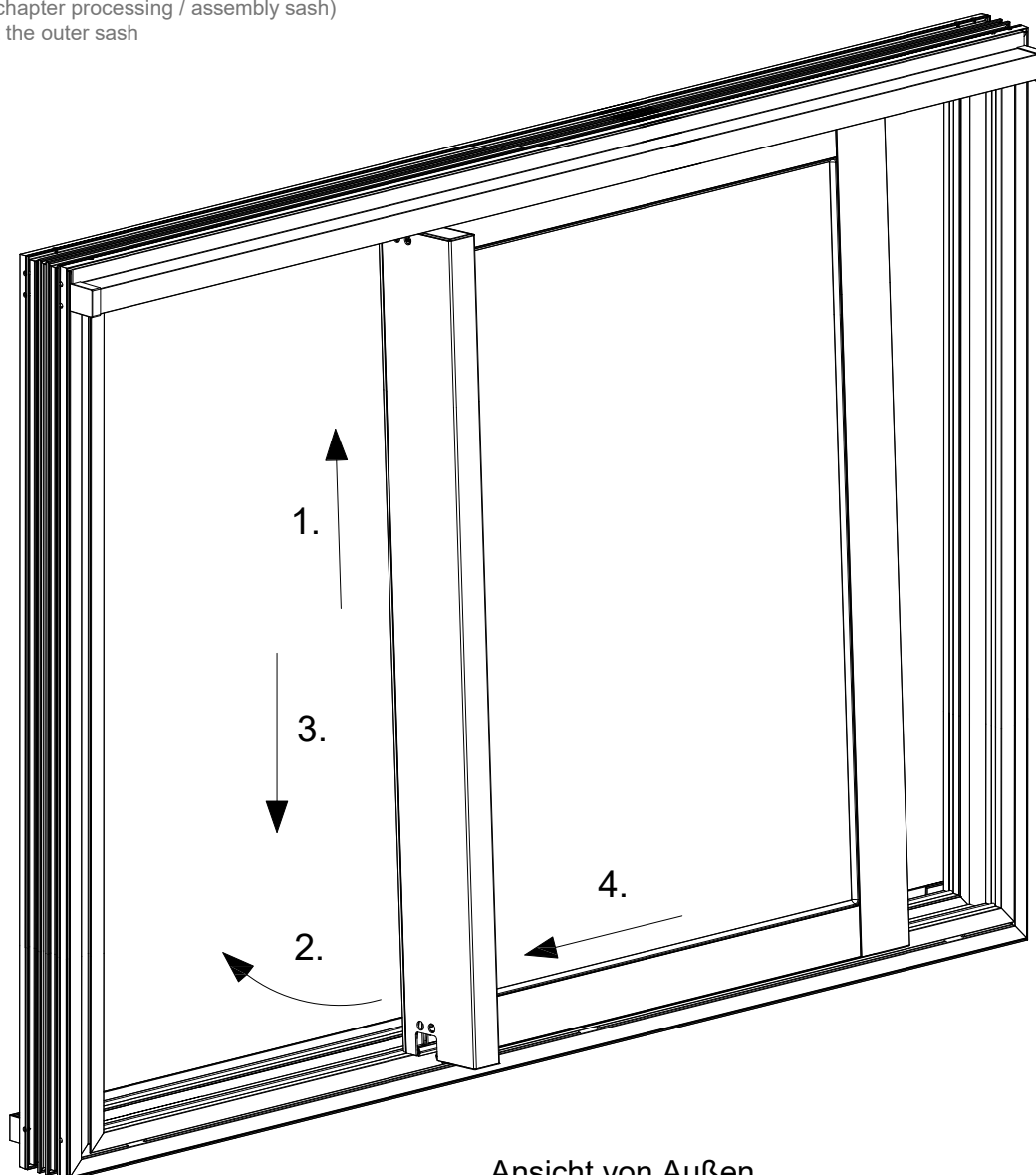
Schema A2 spiegelbildlich  
 Schema A2 mirror-inverted

**Bearbeitungsschritte**

1. Äußeren Flügel montieren  
 (Siehe Kapitel Verarbeitung / Montage Flügel)
2. Äußeren Flügel einhängen

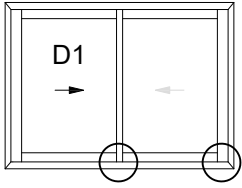
**Processing steps**

1. Assemble the outer sash  
 (see chapter processing / assembly sash)
2. Insert the outer sash

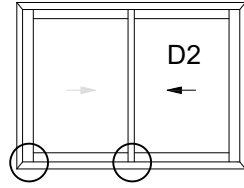


Ansicht von Außen  
 Outside view

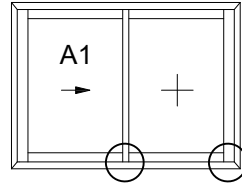
FLÜGELMONTAGE  
 SASH ASSEMBLY



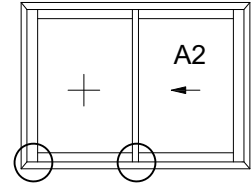
Schema D1 dargestellt  
 Schema D1 shown



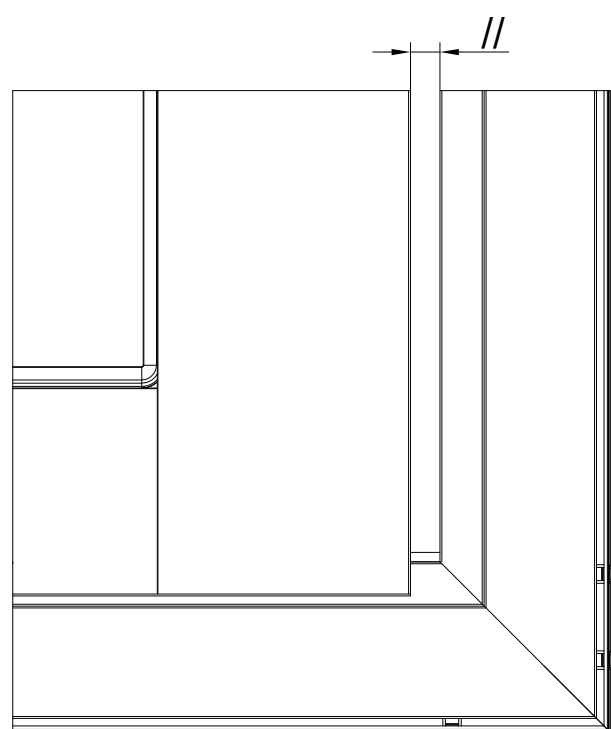
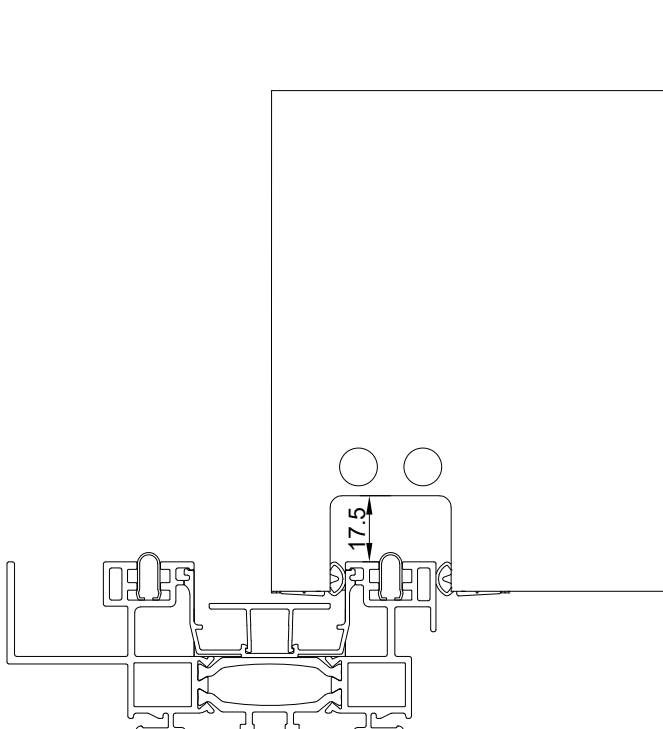
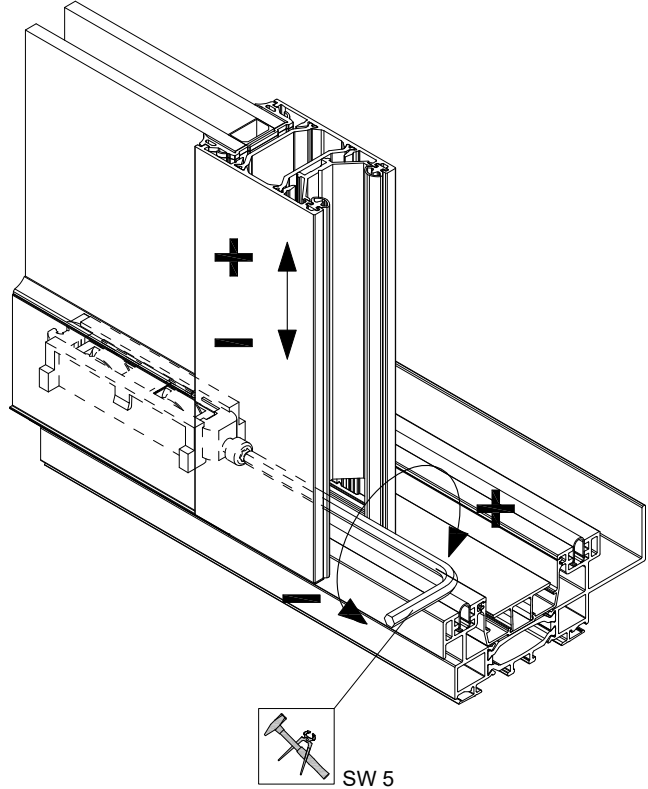
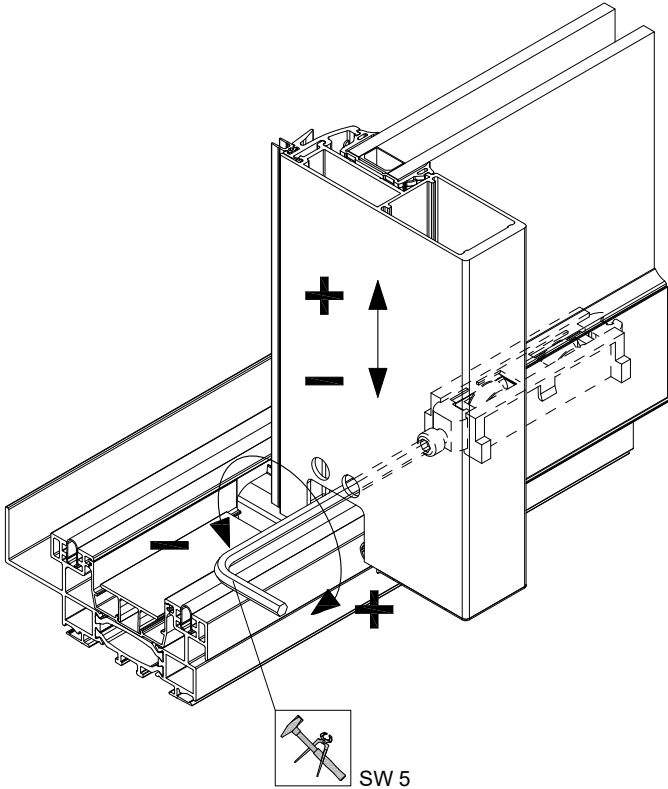
Schema D2 spiegelbildlich  
 Schema D2 mirror-inverted



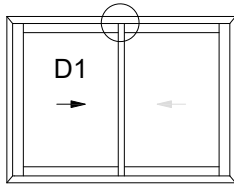
Schema A1 dargestellt  
 Schema A1 shown



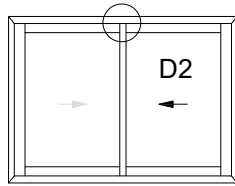
Schema A2 spiegelbildlich  
 Schema A2 mirror-inverted



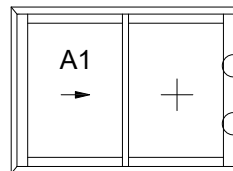
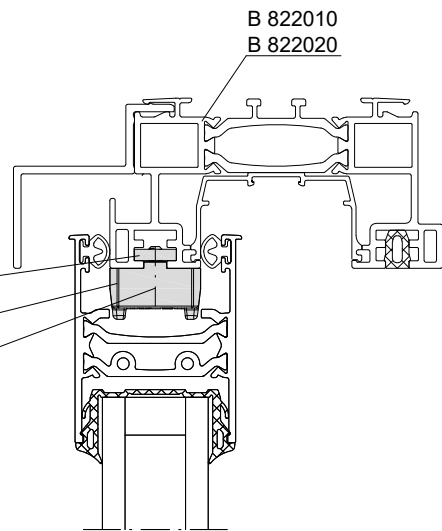
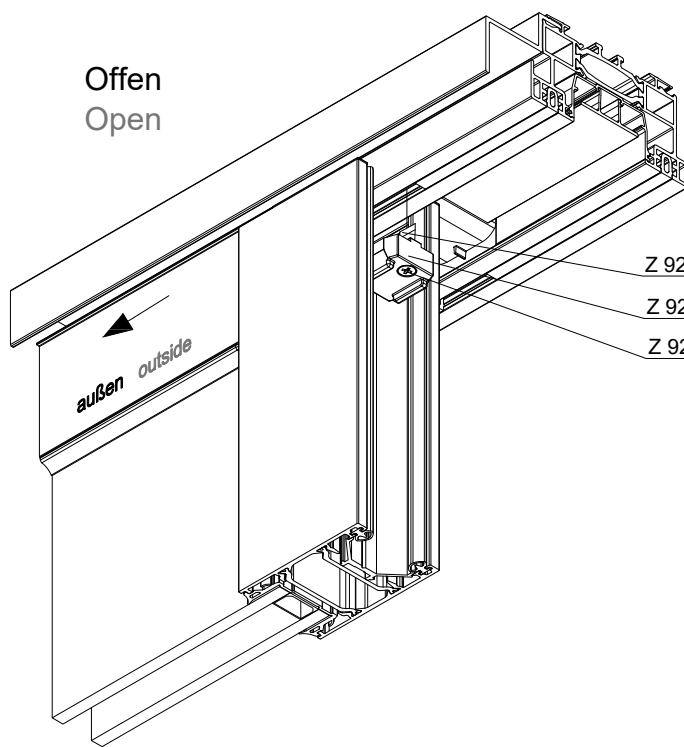
FLÜGELMONTAGE  
 SASH ASSEMBLY



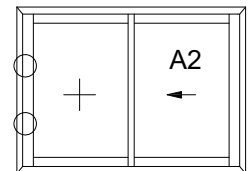
Schema D1 dargestellt  
 Scheme D1 shown



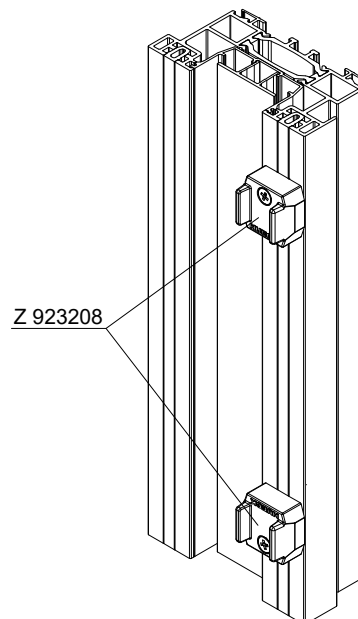
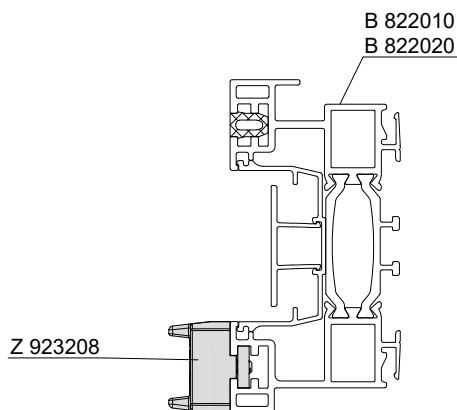
Schema D2 spiegelbildlich  
 Scheme D2 mirror-inverted



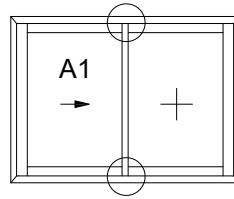
Schema A1 dargestellt  
 Scheme A1 shown



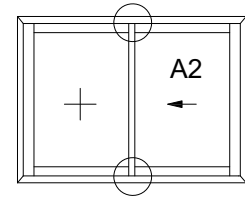
Schema A2 spiegelbildlich  
 Scheme A2 mirror-inverted



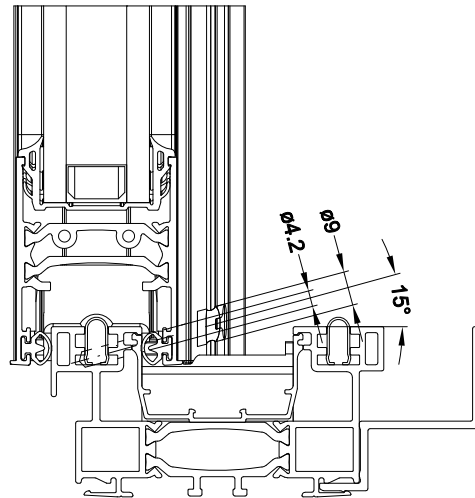
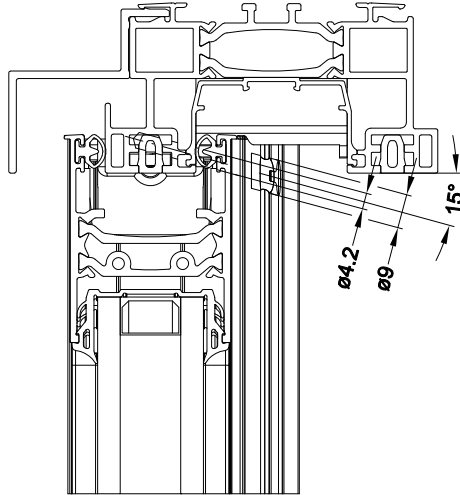
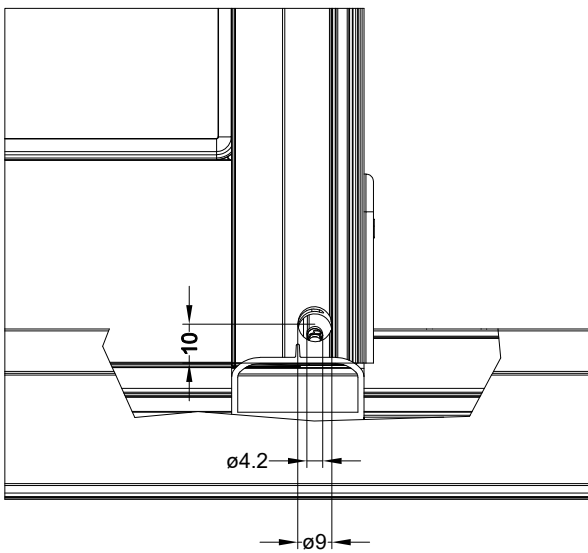
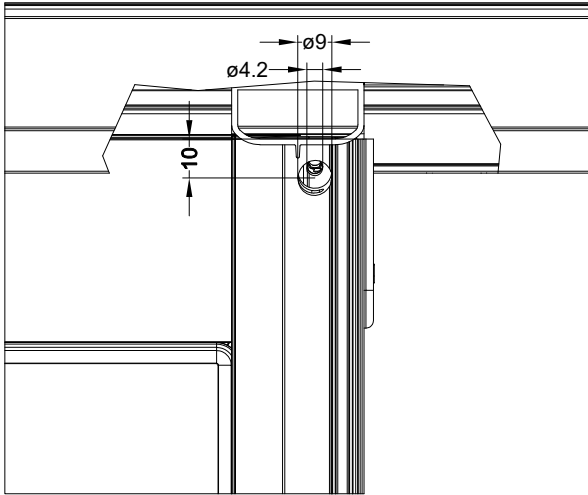
FLÜGELMONTAGE  
SASH ASSEMBLY



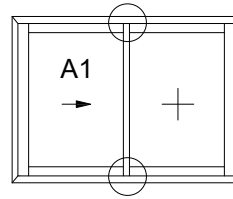
Schema A1 dargestellt  
Scheme A1 shown



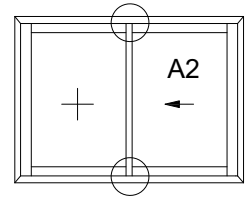
Schema A2 spiegelbildlich  
Scheme A2 mirror-inverted



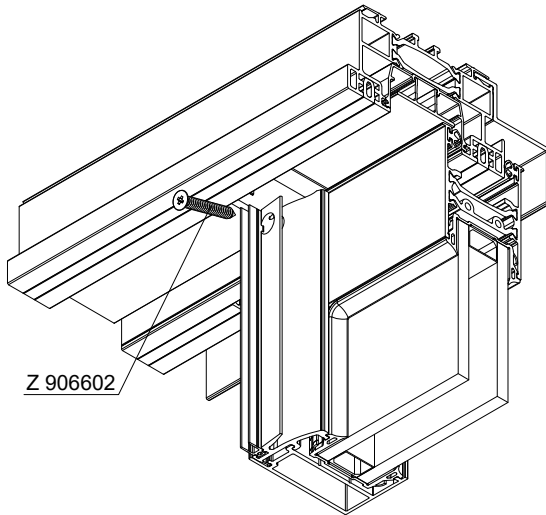
FLÜGELMONTAGE  
 SASH ASSEMBLY



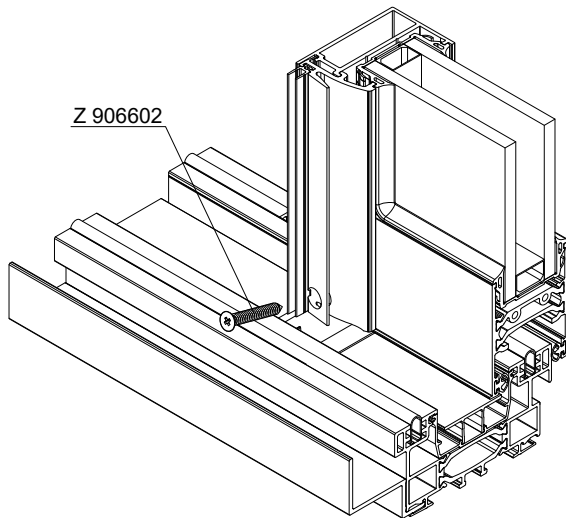
Schema A1 dargestellt  
 Schema A1 shown



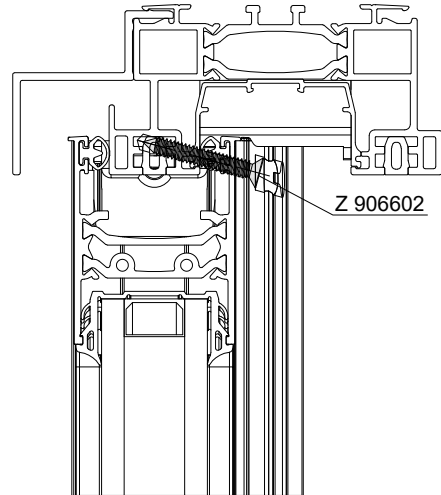
Schema A2 spiegelbildlich  
 Schema A2 mirror-inverted



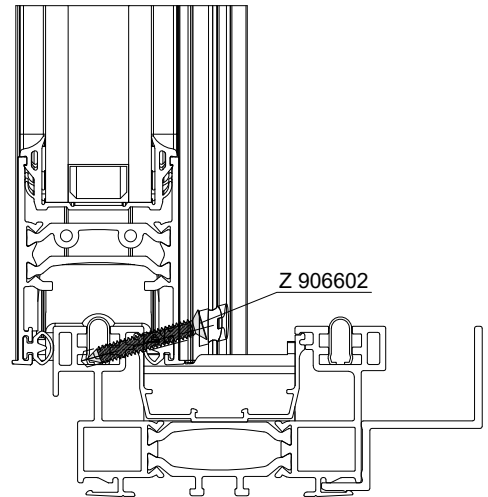
Z 906602



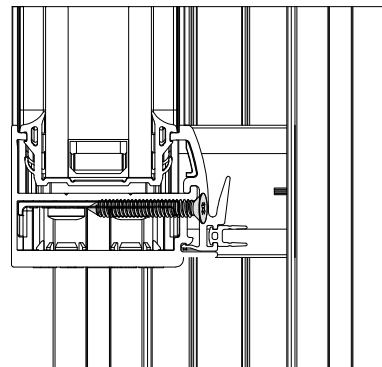
Z 906602



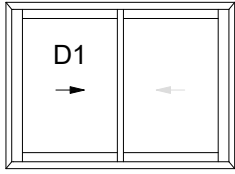
Z 906602



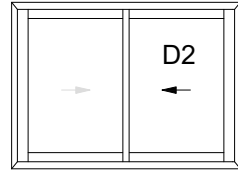
Z 906602



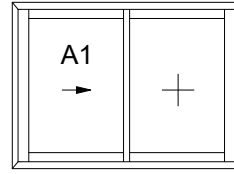
FLÜGELMONTAGE  
SASH ASSEMBLY



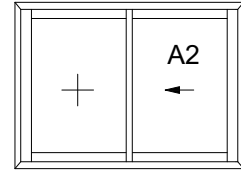
Schema D1 dargestellt  
Scheme D1 shown



Schema D2 spiegelbildlich  
Scheme D2 mirror-inverted



Schema A1 dargestellt  
Scheme A1 shown



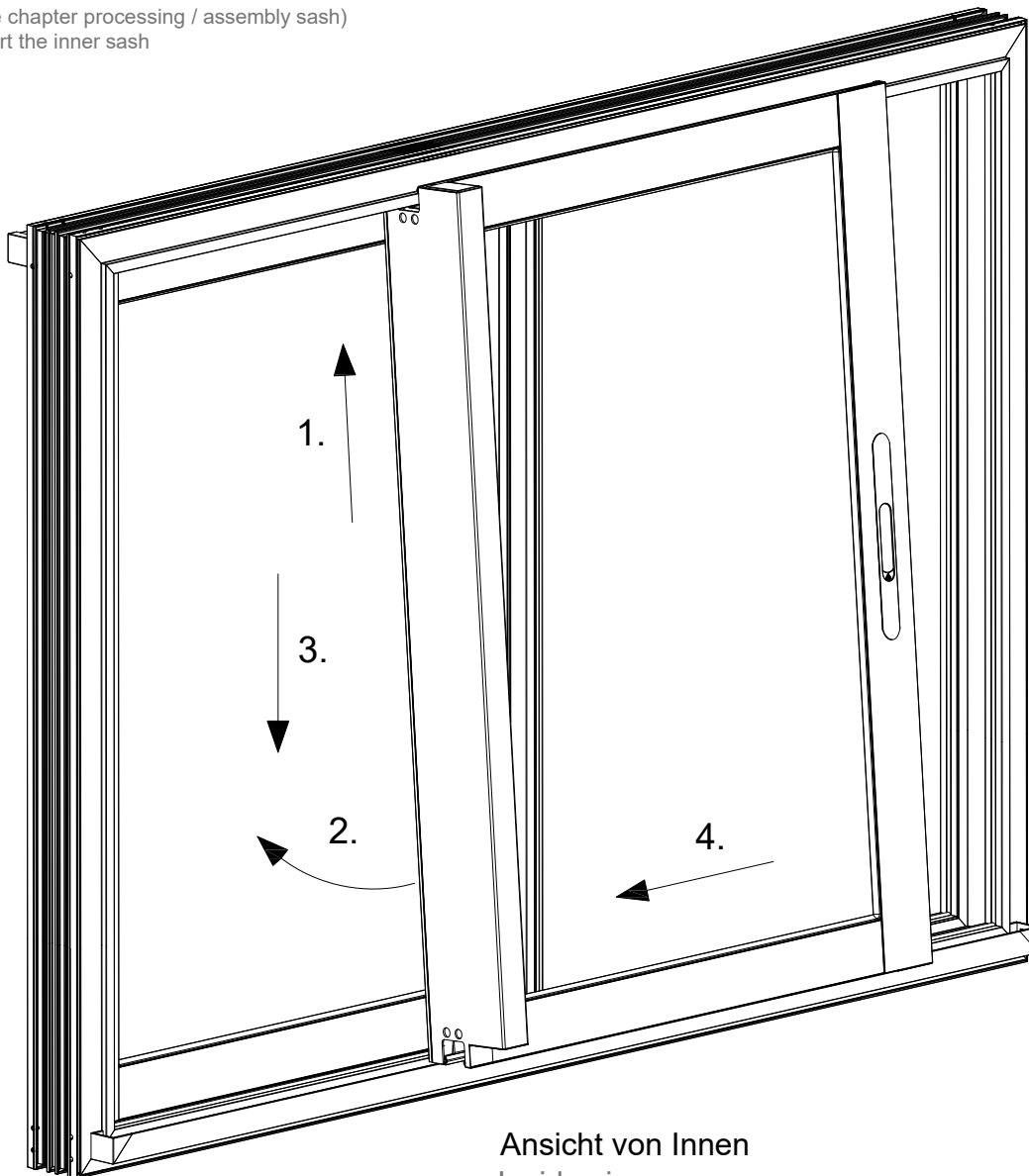
Schema A2 spiegelbildlich  
Scheme A2 mirror-inverted

**Bearbeitungsschritte**

1. Inneren Flügel montieren  
(Siehe Kapitel Verarbeitung / Montage Flügel)
2. Inneren Flügel einhängen

**Processing steps**

1. Assemble the inner sash  
(see chapter processing / assembly sash)
2. Insert the inner sash

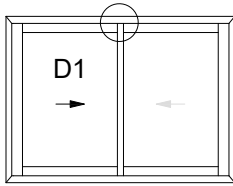


Ansicht von Innen  
Inside view

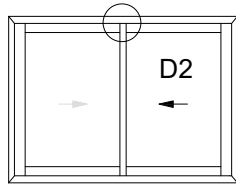
Der äußere Griff + Stopper muss demontiert sein.

The outer handle + stopper has to be dismantled

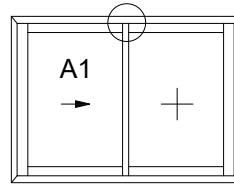
FLÜGELMONTAGE  
 SASH ASSEMBLY



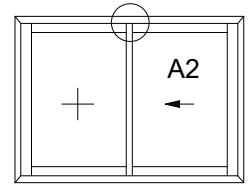
Schema D1 dargestellt  
 Schema D1 shown



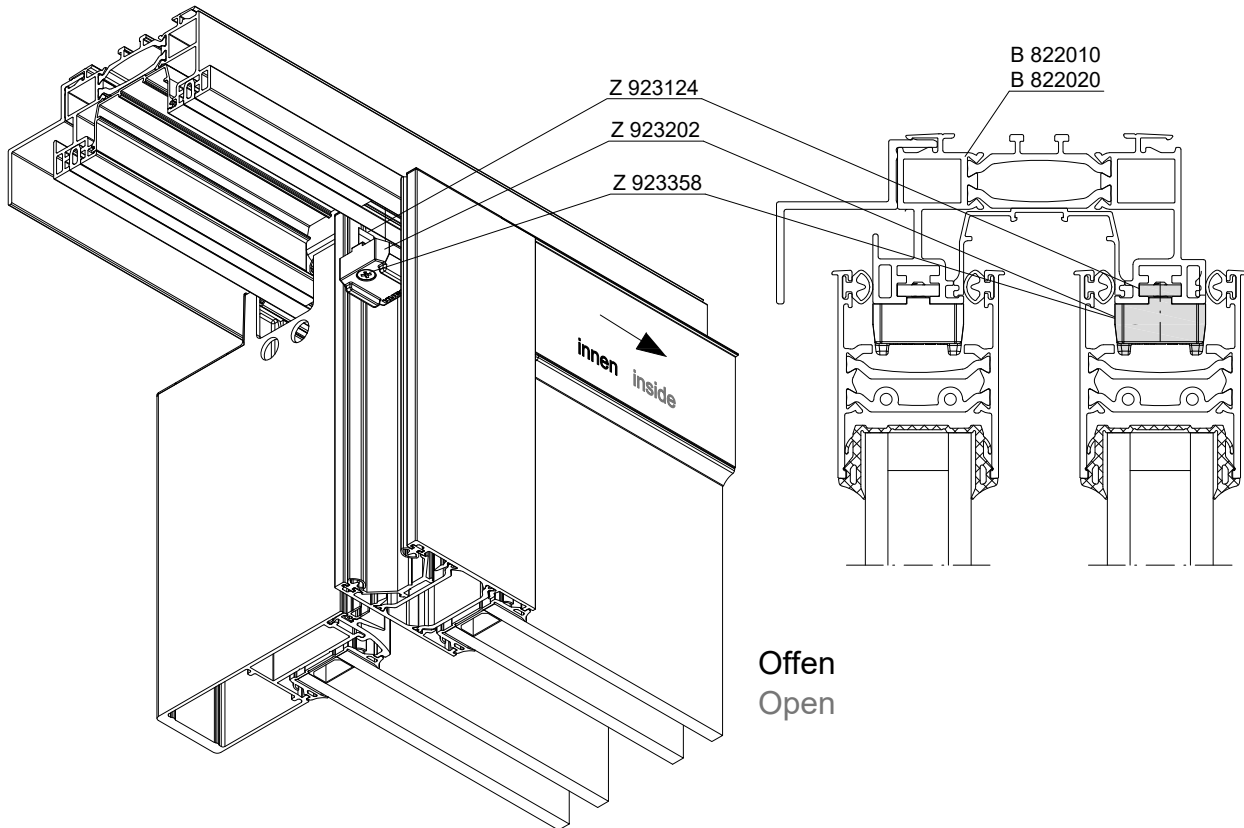
Schema D2 spiegelbildlich  
 Schema D2 mirror-inverted



Schema A1 dargestellt  
 Schema A1 shown



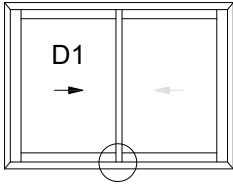
Schema A2 spiegelbildlich  
 Schema A2 mirror-inverted



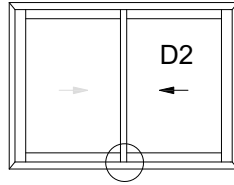
2B  
 Schema A + D  
 Schema A + D



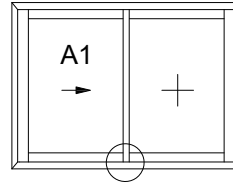
FLÜGELMONTAGE  
SASH ASSEMBLY



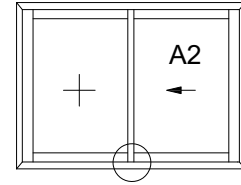
Schema D1 dargestellt  
Scheme D1 shown



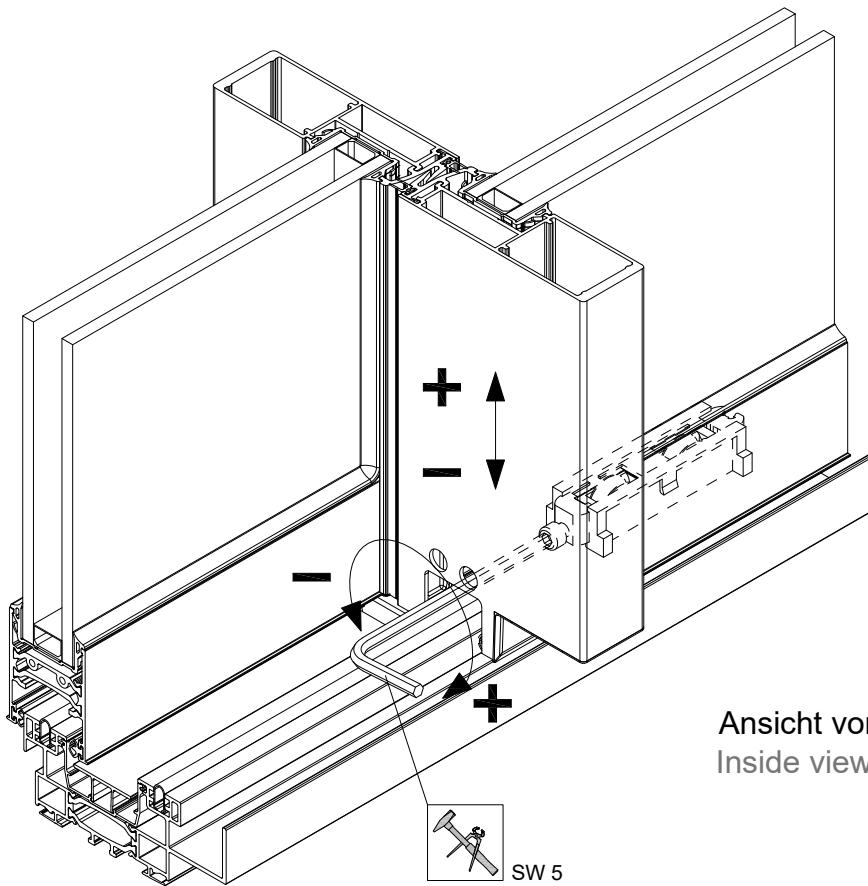
Schema D2 spiegelbildlich  
Scheme D2 mirror-inverted



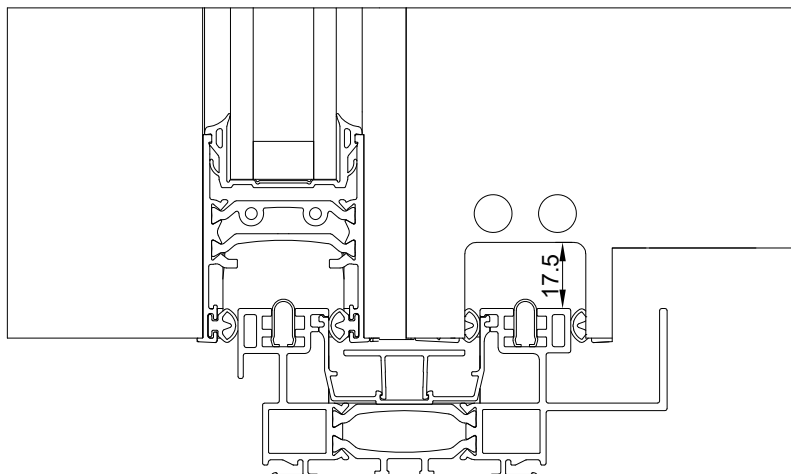
Schema A1 dargestellt  
Scheme A1 shown



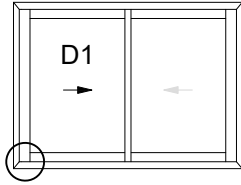
Schema A2 spiegelbildlich  
Scheme A2 mirror-inverted



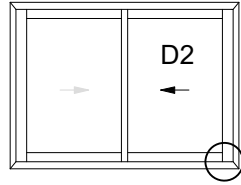
Ansicht von Innen  
Inside view



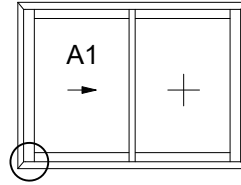
FLÜGELMONTAGE  
 SASH ASSEMBLY



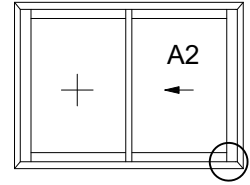
Schema D1 dargestellt  
 Scheme D1 shown



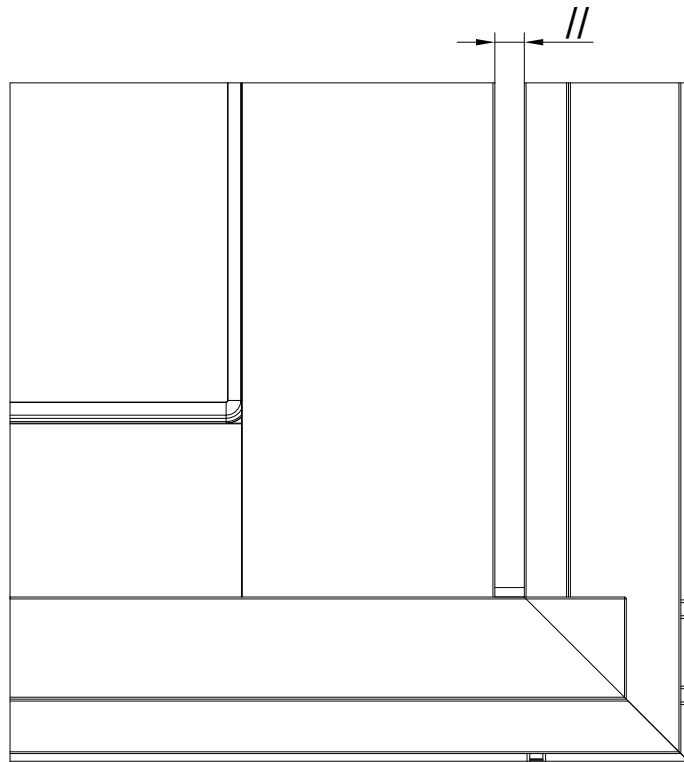
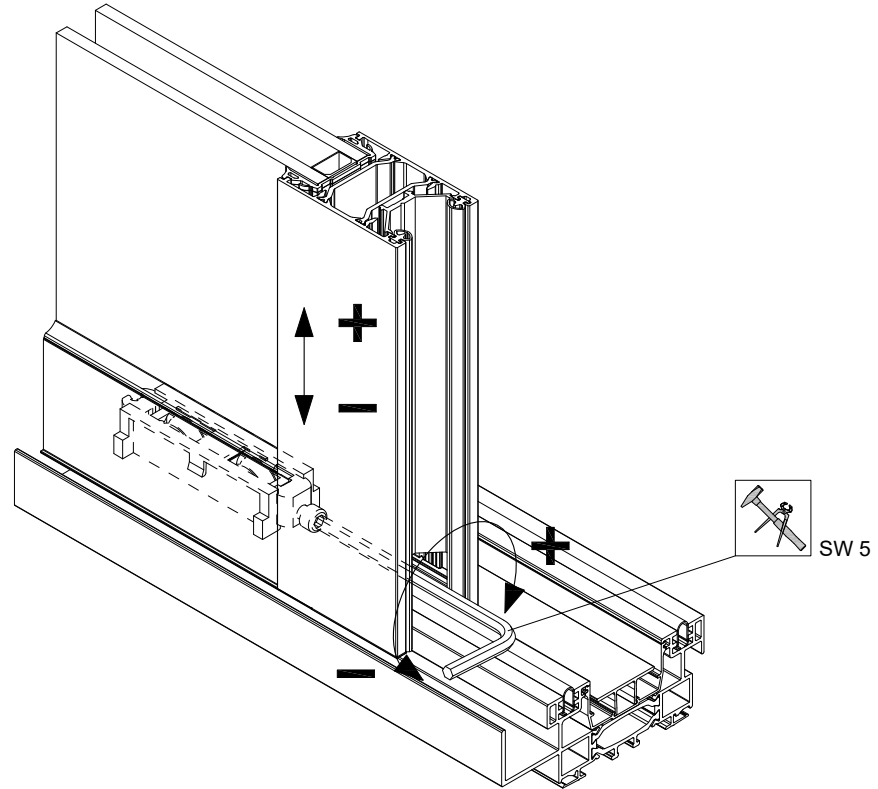
Schema D2 spiegelbildlich  
 Scheme D2 mirror-inverted



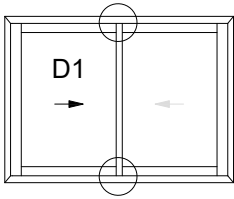
Schema A1 dargestellt  
 Scheme A1 shown



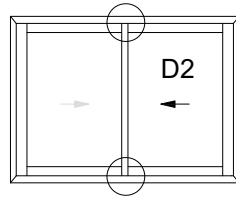
Schema A2 spiegelbildlich  
 Scheme A2 mirror-inverted



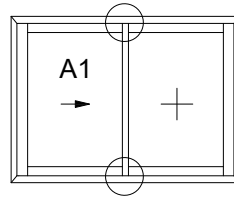
FLÜGELMONTAGE  
SASH ASSEMBLY



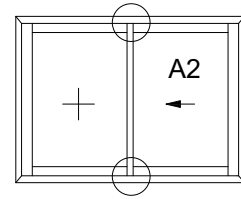
Schema D1 dargestellt  
Scheme D1 shown



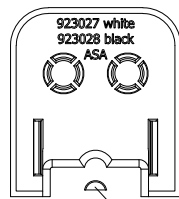
Schema D2 spiegelbildlich  
Scheme D2 mirror-inverted



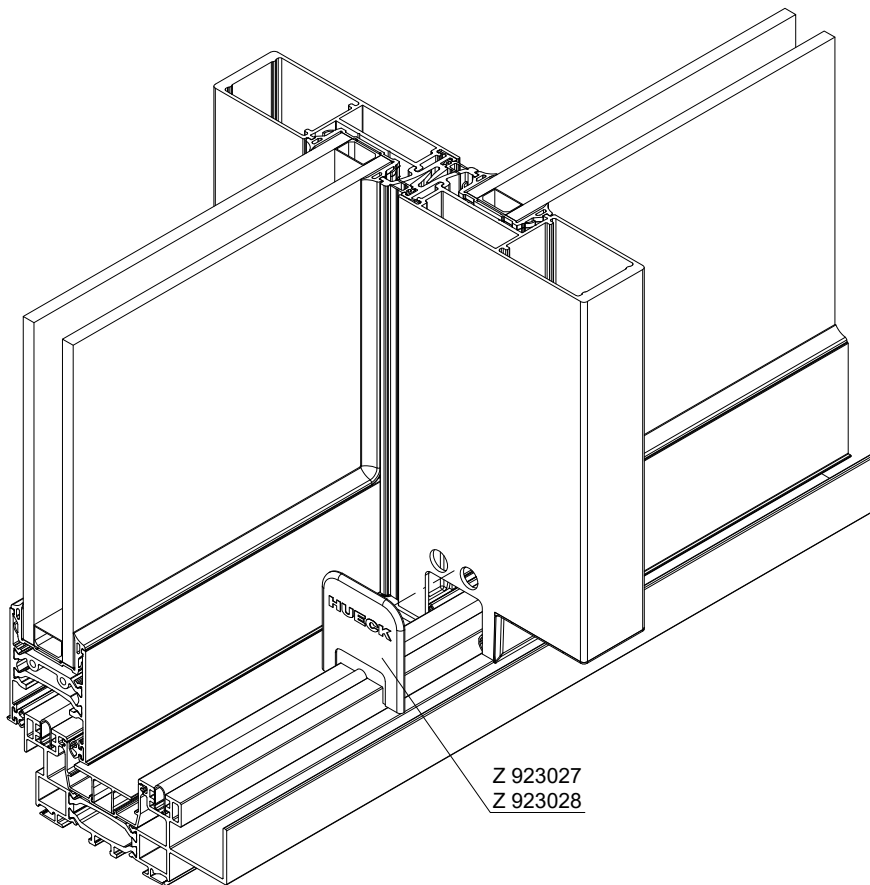
Schema A1 dargestellt  
Scheme A1 shown



Schema A2 spiegelbildlich  
Scheme A2 mirror-inverted

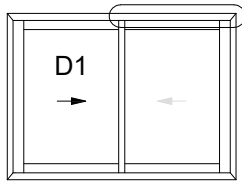


Nur unten  
Only below

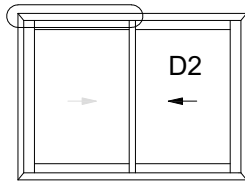


Z 923027  
Z 923028

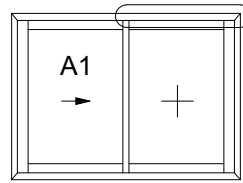
RAHMENMONTAGE  
 FRAME ASSEMBLY



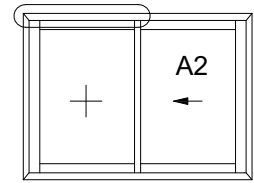
Schema D1 dargestellt  
 Scheme D1 shown



Schema D2 spiegelbildlich  
 Scheme D2 mirror-inverted

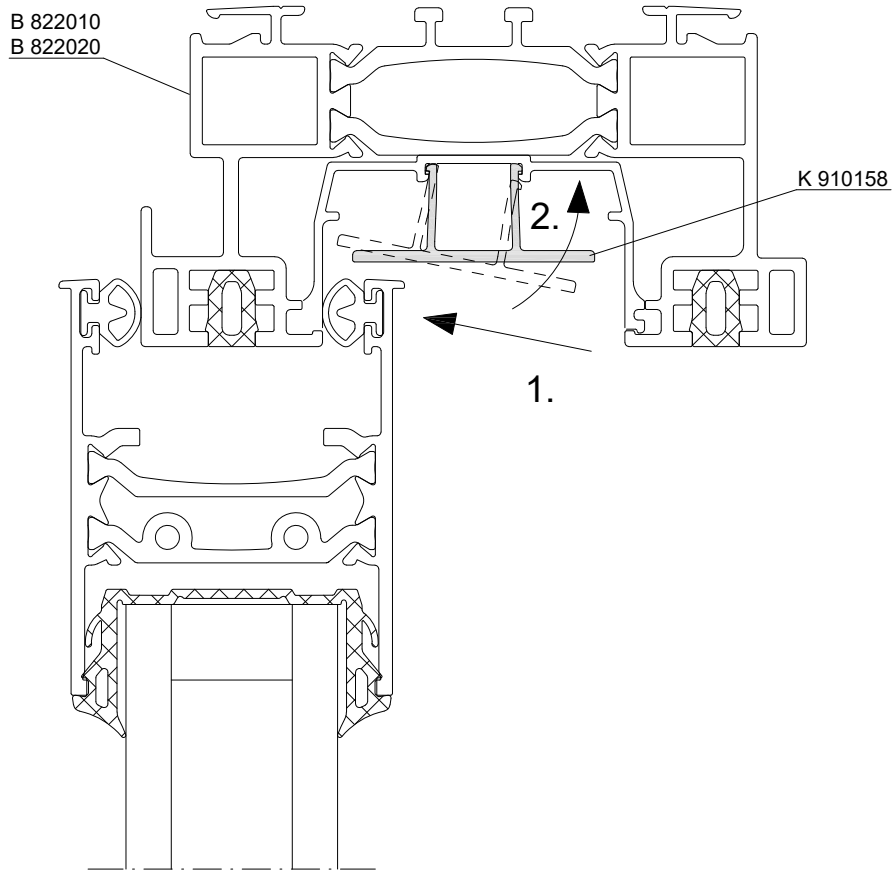


Schema A1 dargestellt  
 Scheme A1 shown

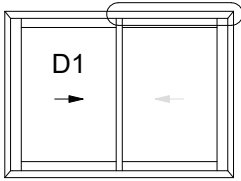


Schema A2 spiegelbildlich  
 Scheme A2 mirror-inverted

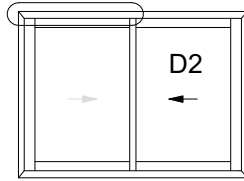
Optional



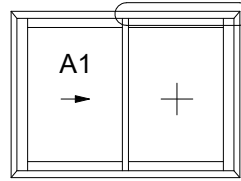
RAHMENMONTAGE  
FRAME ASSEMBLY



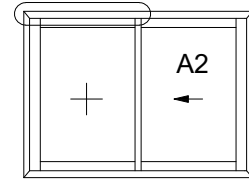
Schema D1 dargestellt  
Scheme D1 shown



Schema D2 spiegelbildlich  
Scheme D2 mirror-inverted

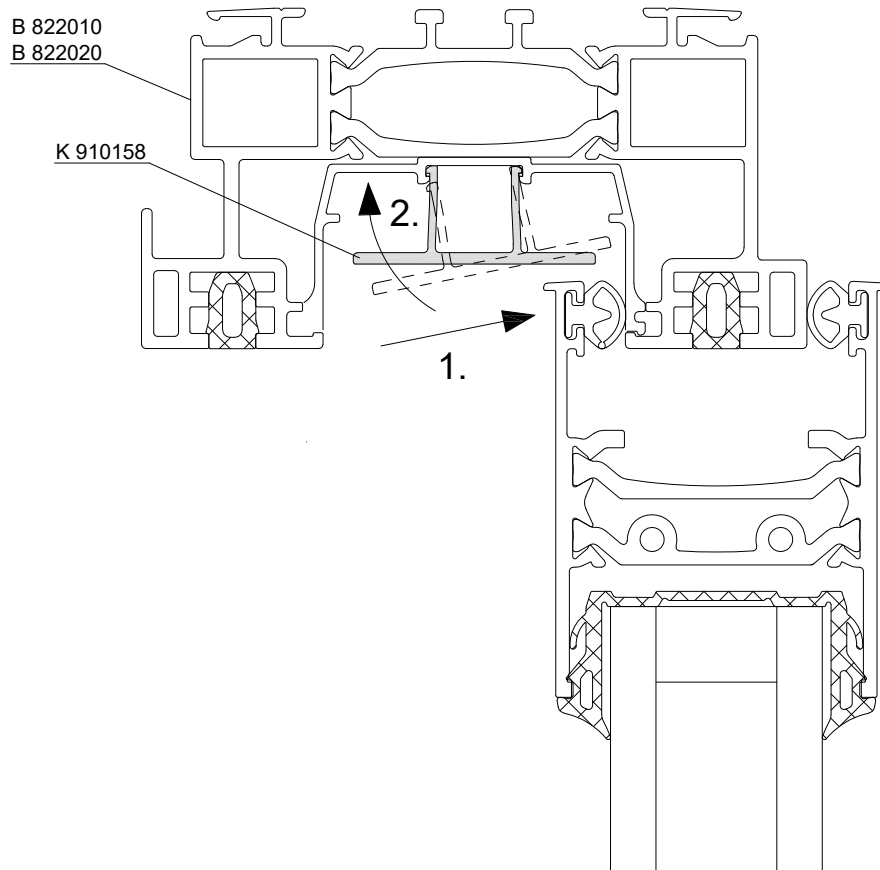


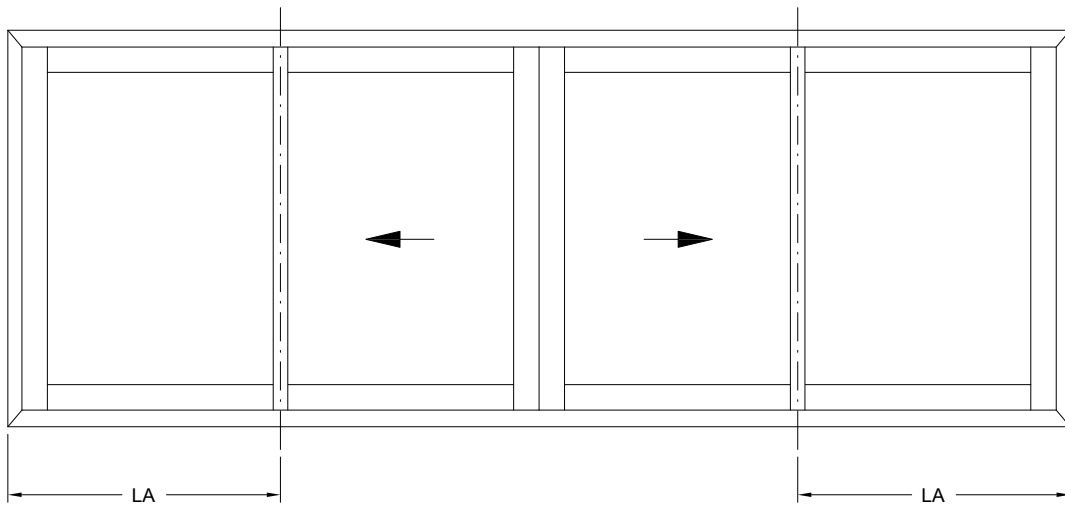
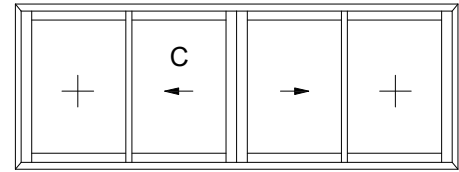
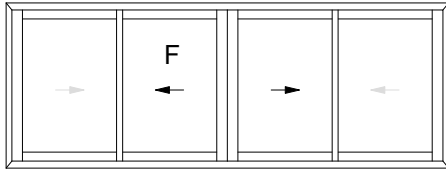
Schema A1 dargestellt  
Scheme A1 shown



Schema A2 spiegelbildlich  
Scheme A2 mirror-inverted

Optional





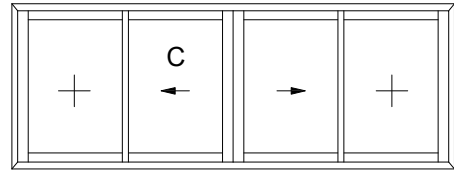
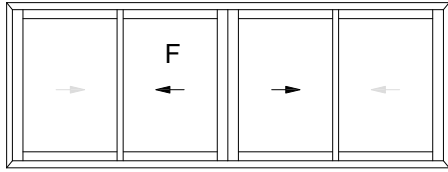
Bei gleicher Aufteilung der Flügelbreiten:

$$LA = RB / 4 + 16,75$$

With the same division of the sash widths:

$$LA = RB / 4 + 16,75$$

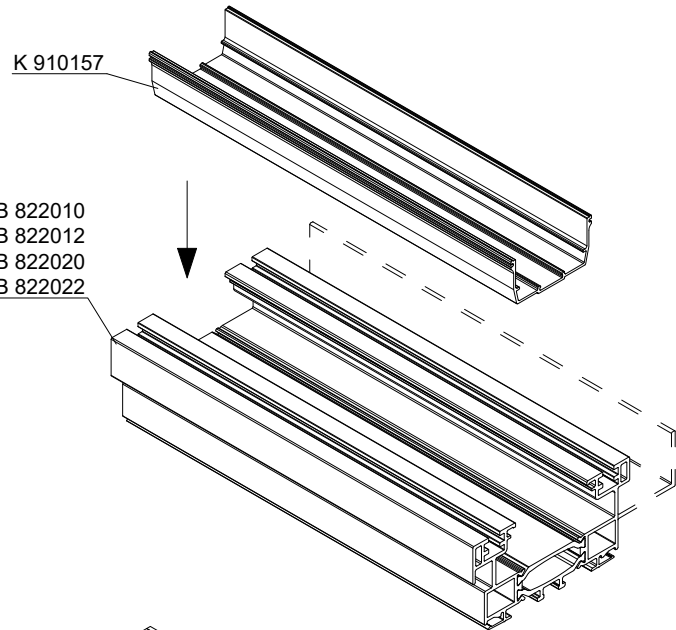
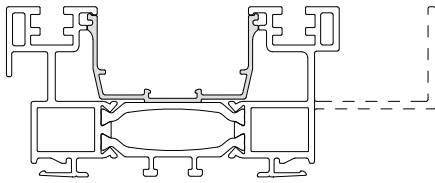
RAHMENBEARBEITUNG  
FRAME PROCESSING



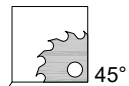
**B 822010, B 822012, B 822020, B 822022**

**K 910157**

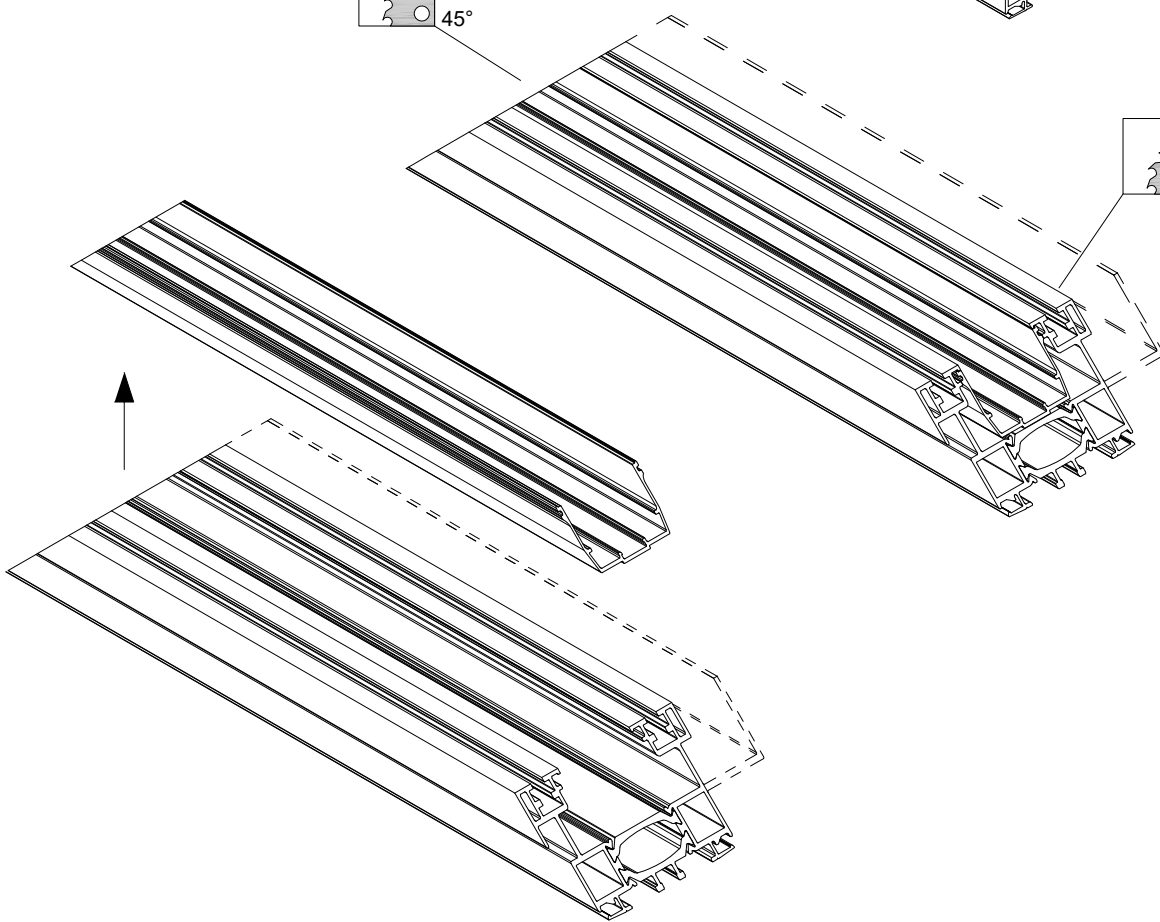
umlaufend  
circumferential



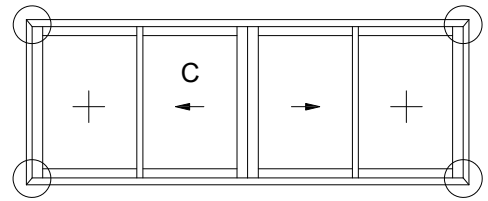
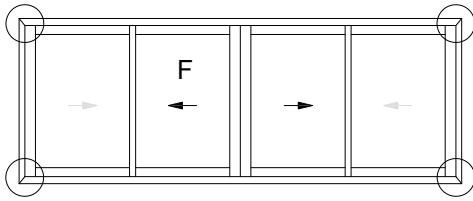
45°



45°

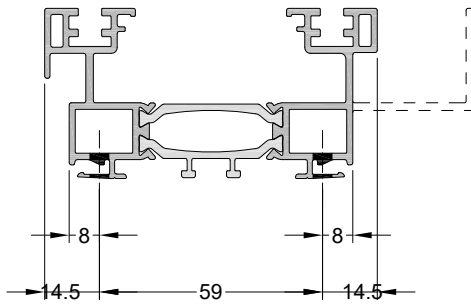
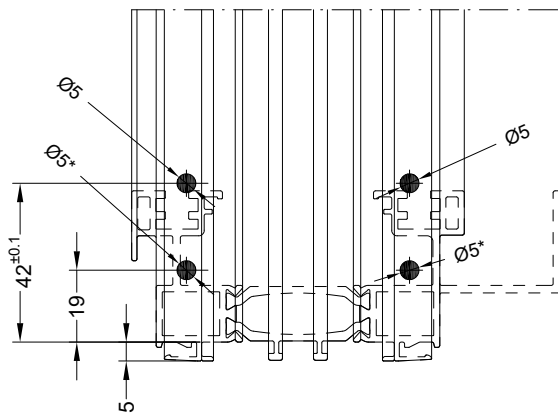


RAHMENBEARBEITUNG  
 FRAME PROCESSING



**B 822010, B 822012, B 822020, B 822022**

- \* Bohrung wahlweise,  
für nachträgliche Verklebung
- \* drilling optional,  
for retro gluing after assembly



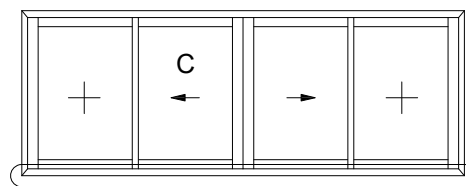
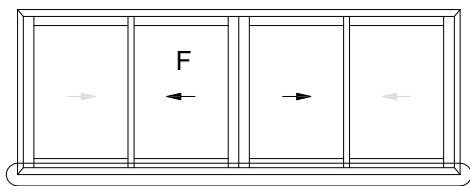
Z 923317



Z 981509



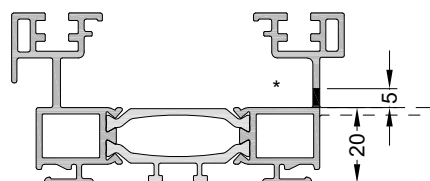
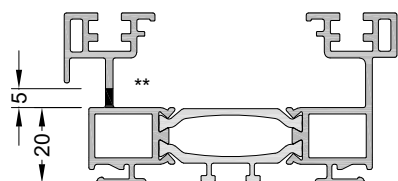
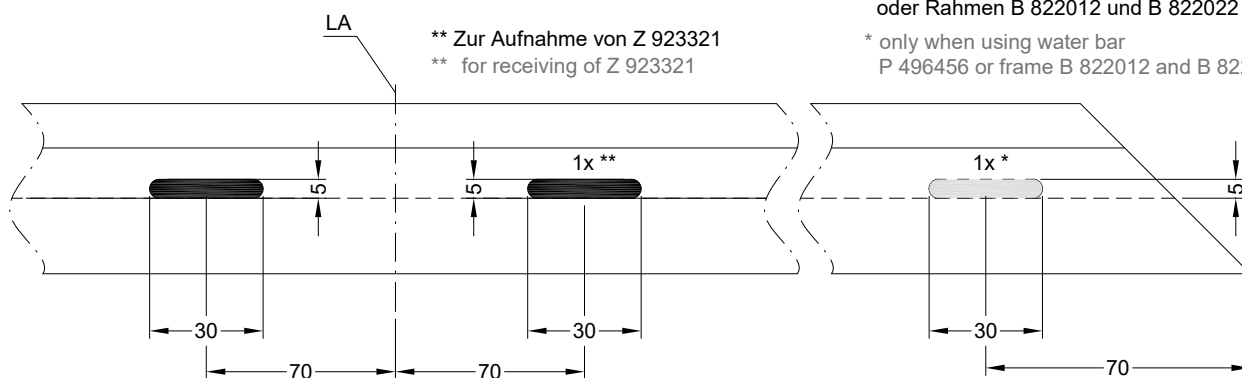
RAHMENBEARBEITUNG  
 FRAME PROCESSING



**B 822010, B 822012, B 822020, B 822022**

\* Nur bei der Verwendung vom  
 Wetterschenkel P 496456  
 oder Rahmen B 822012 und B 822022 !

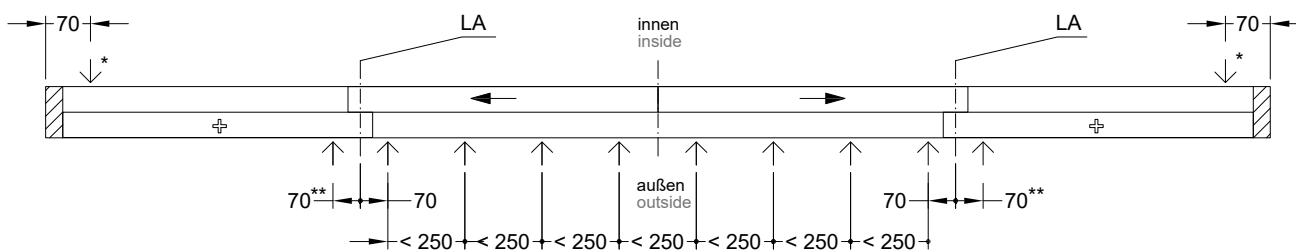
\* only when using water bar  
 P 496456 or frame B 822012 and B 822022 !



Z 981511

Schema C dargestellt  
 Schema C shown

Schema F identisch  
 Schema F the same



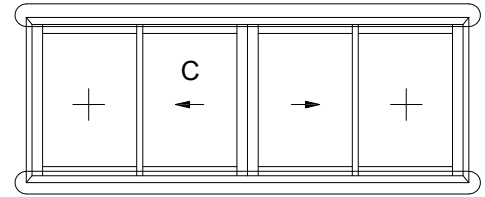
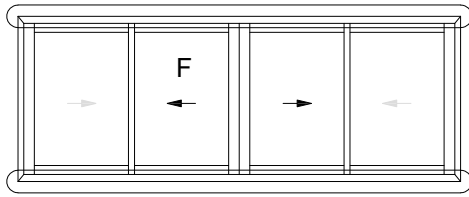
\* Nur bei der Verwendung vom Wetterschenkel P 496456 oder Rahmen B 822012 oder B 822022 !

\* only when using water bar P 496456 or frame B 822012 or B 822022!

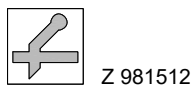
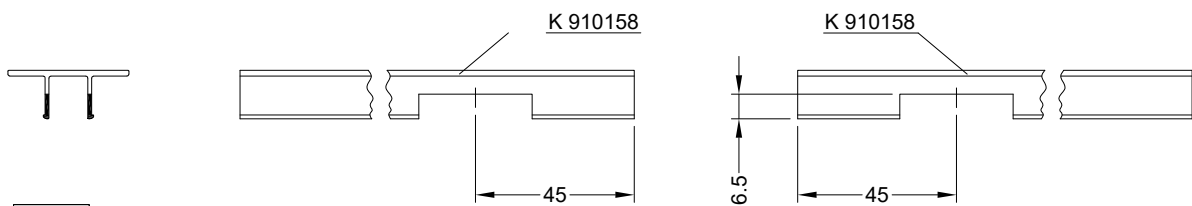
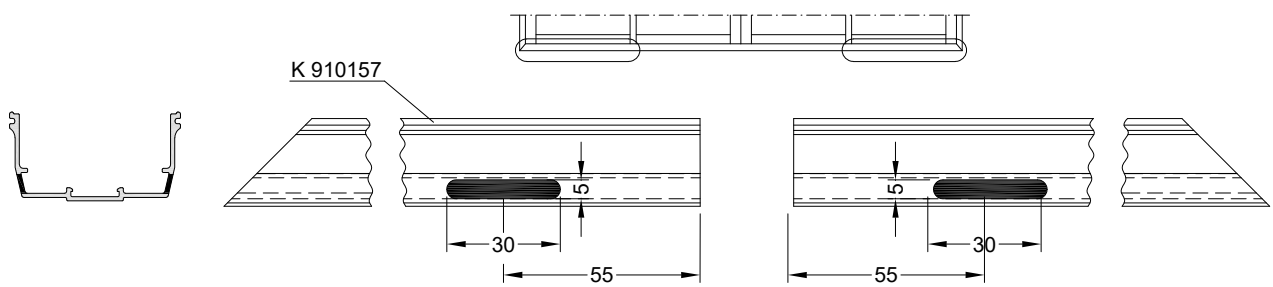
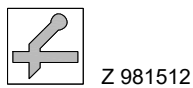
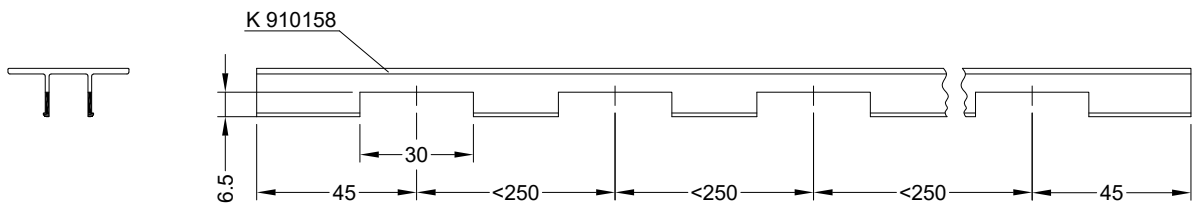
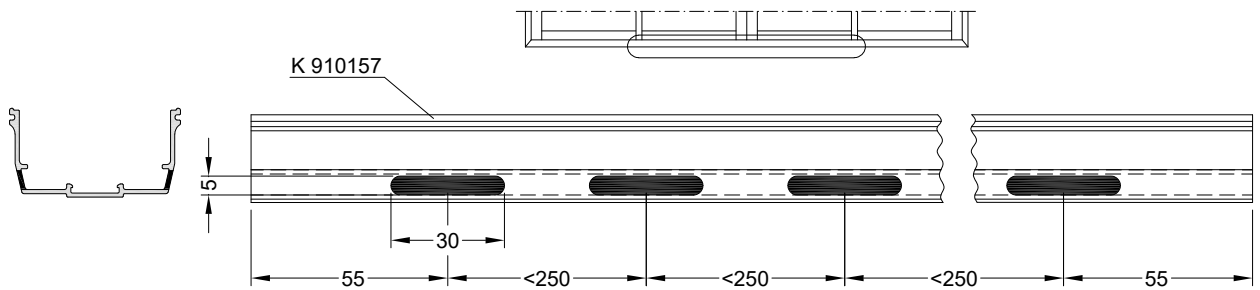
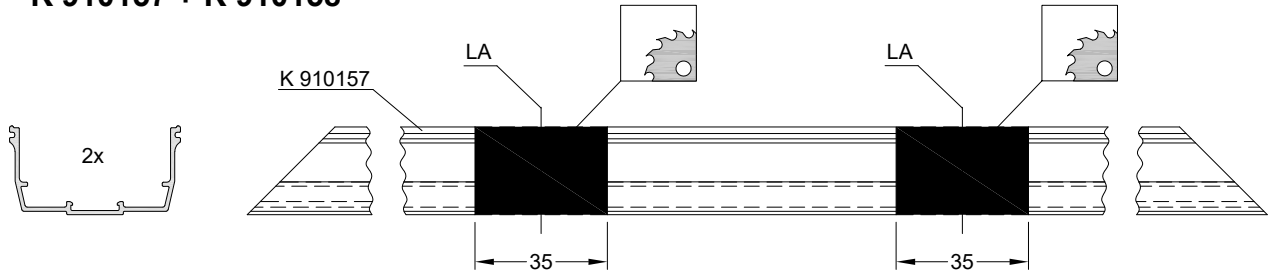
\*\* Zur Aufnahme von Z 923321

\*\* for receiving of Z 923321

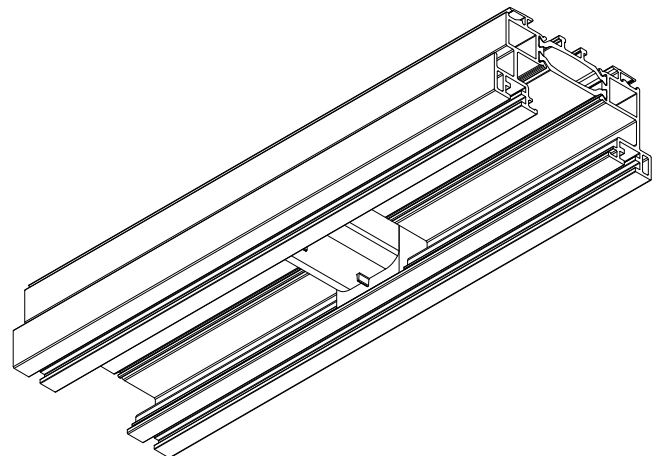
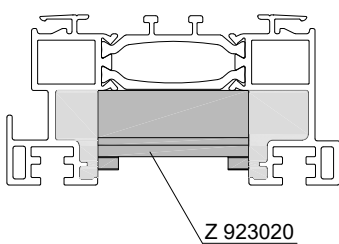
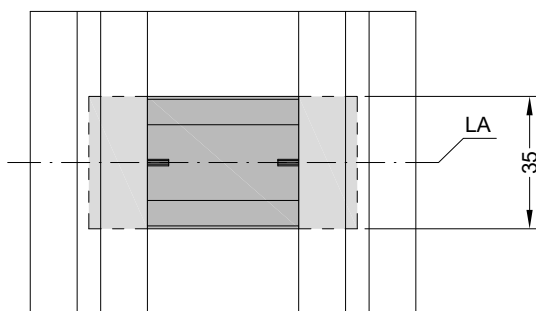
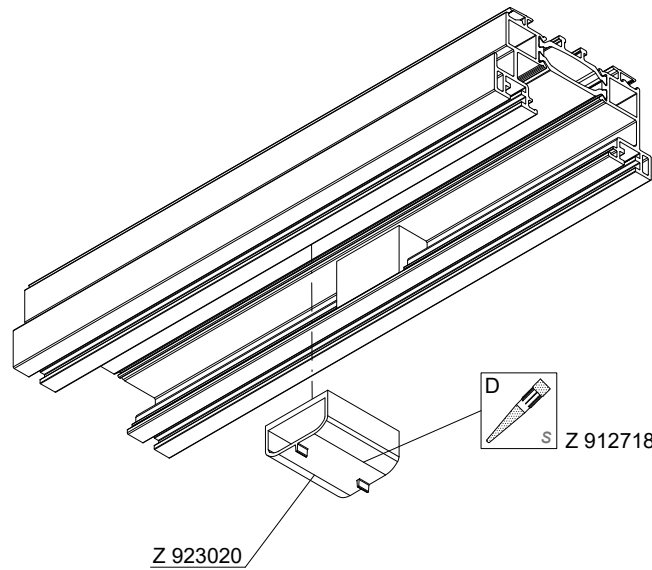
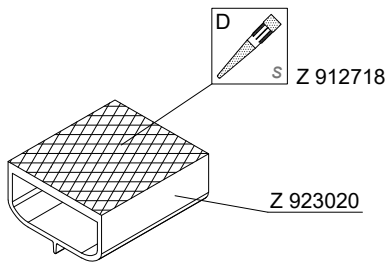
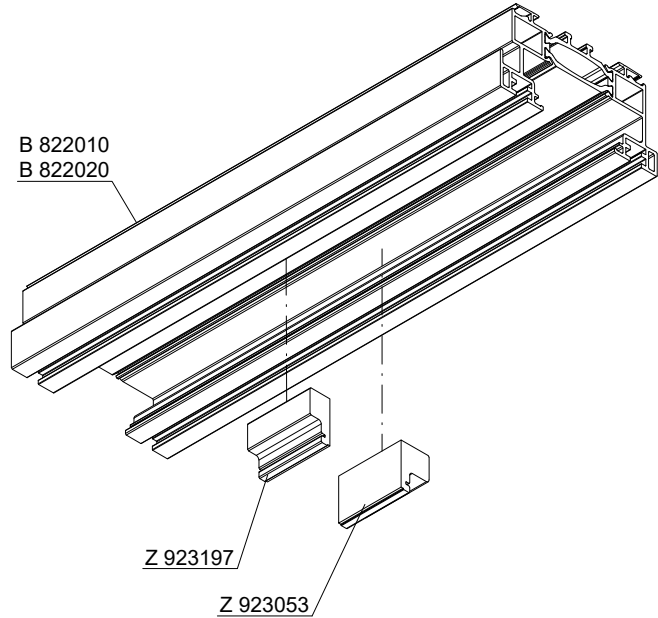
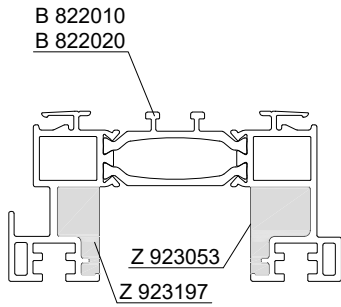
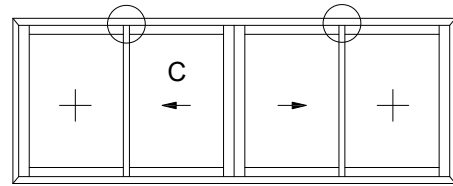
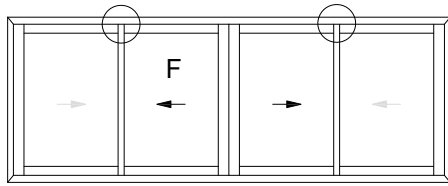
RAHMENBEARBEITUNG  
 FRAME PROCESSING



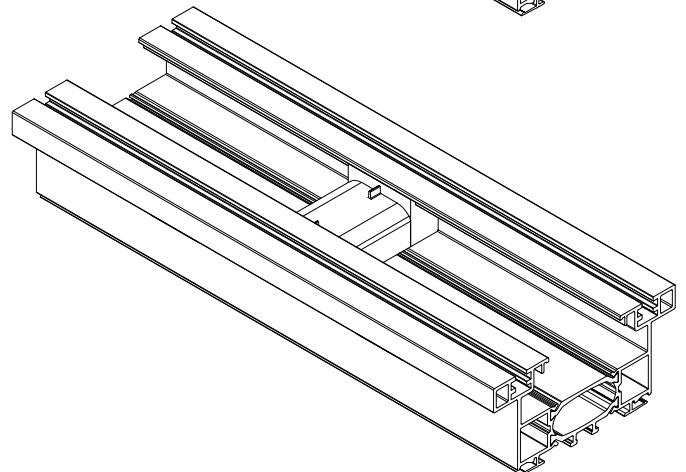
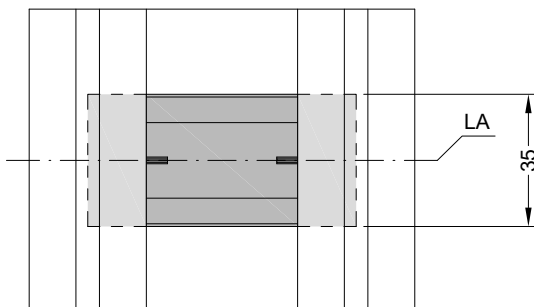
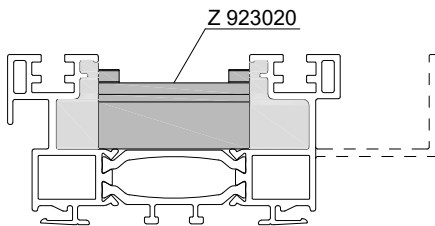
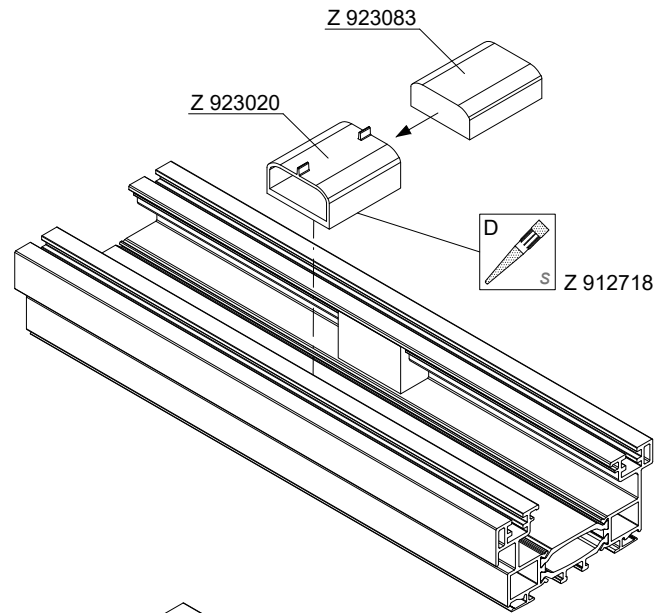
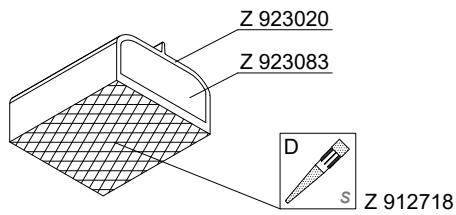
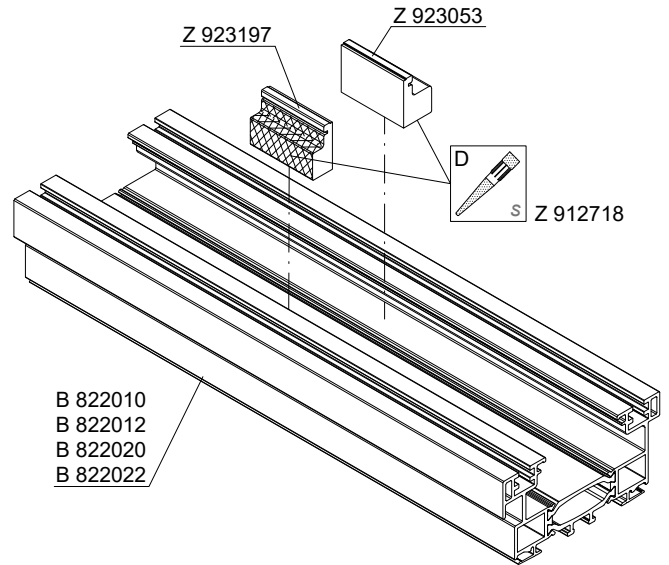
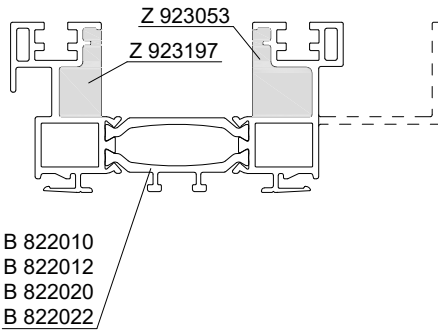
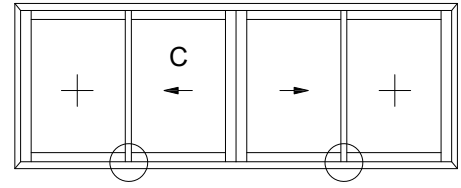
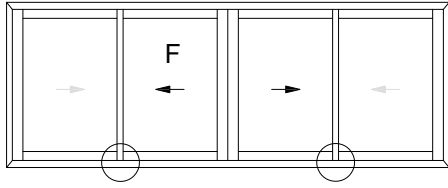
**K 910157 + K 910158**



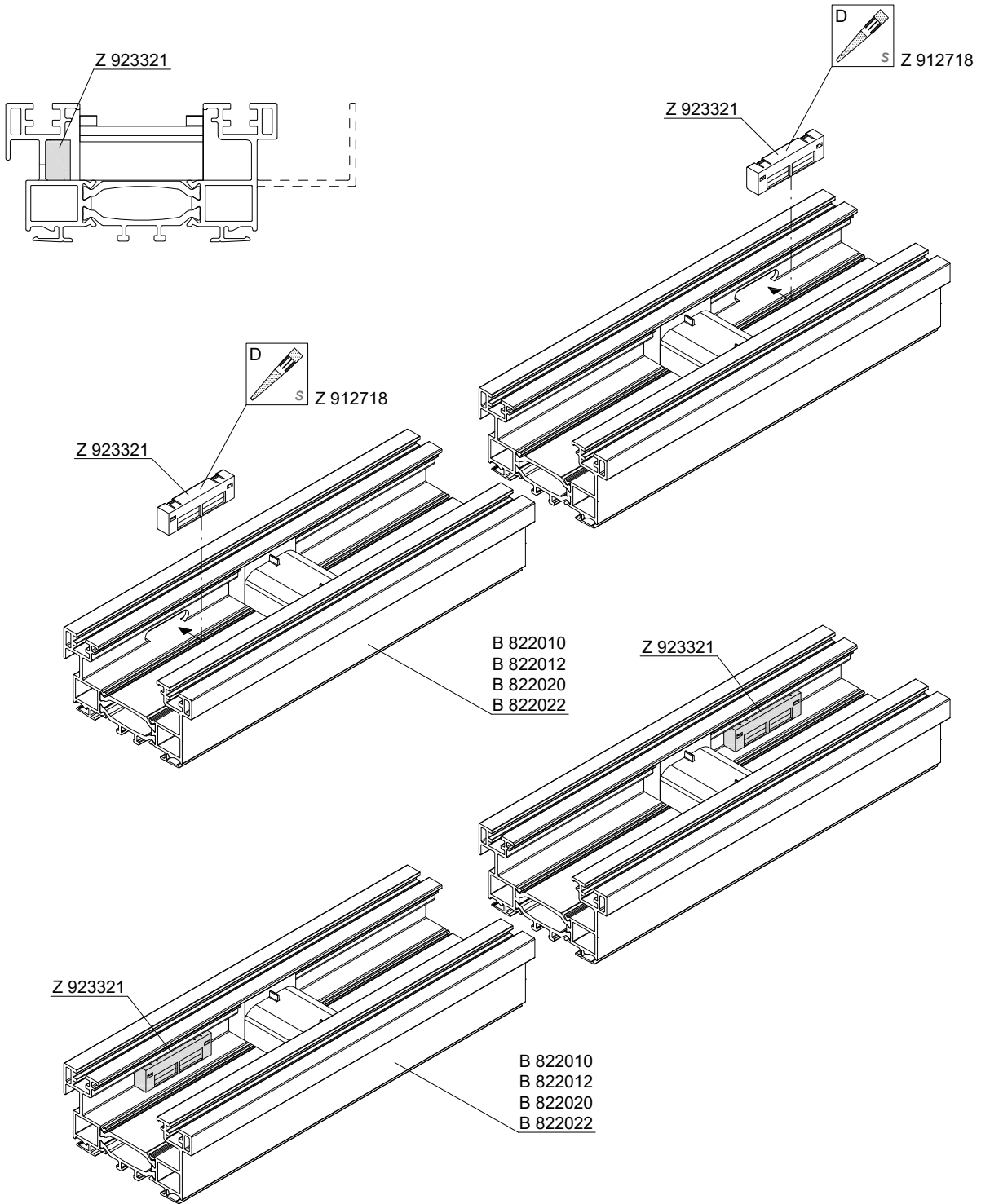
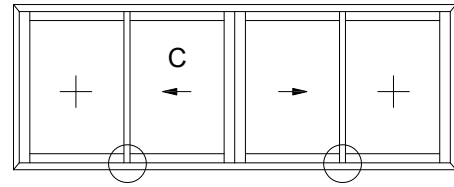
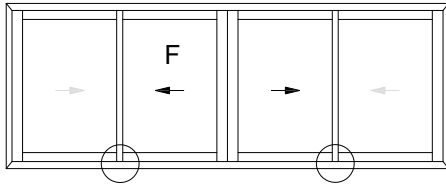
RAHMENMONTAGE  
 FRAME ASSEMBLY



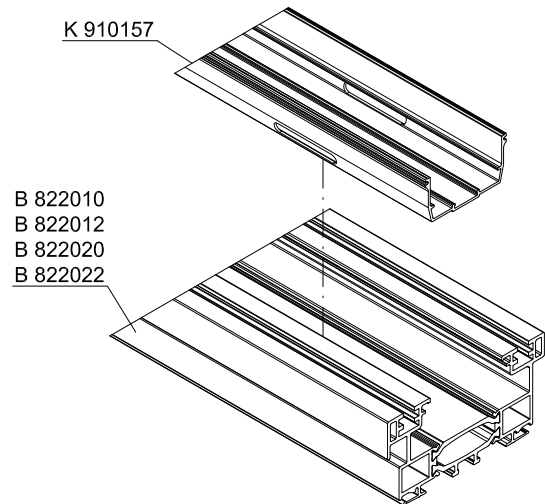
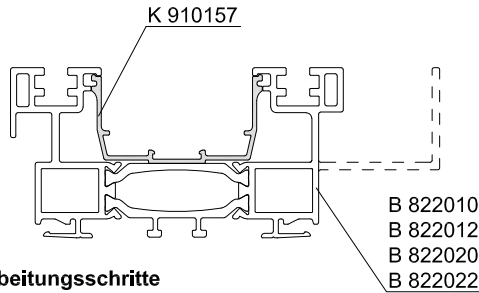
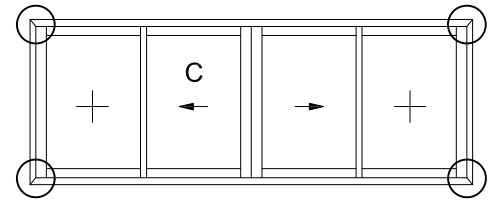
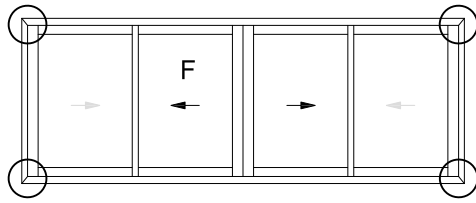
RAHMENMONTAGE  
 FRAME ASSEMBLY



RAHMENMONTAGE  
 FRAME ASSEMBLY



RAHMENMONTAGE  
FRAME ASSEMBLY

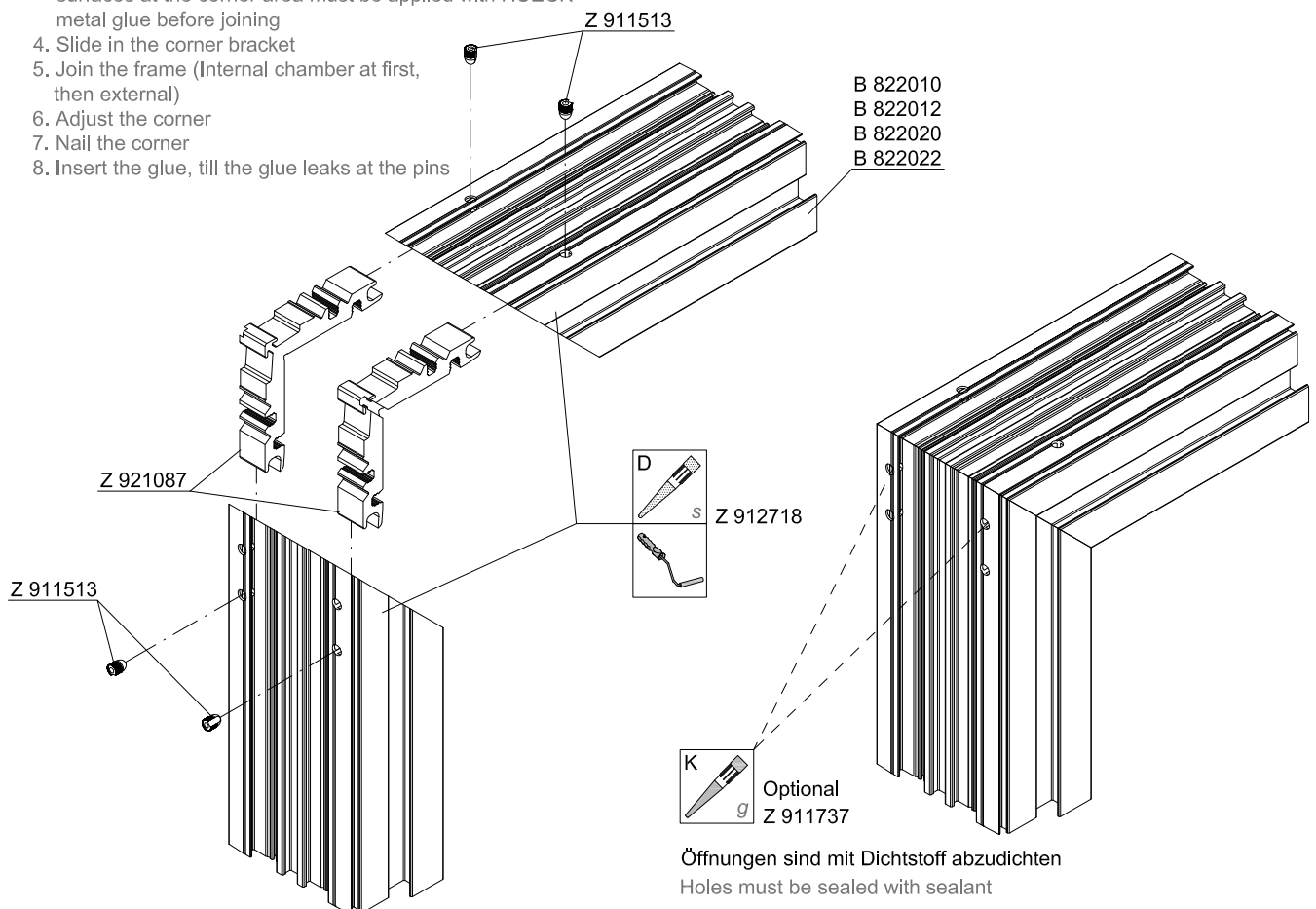


**Bearbeitungsschritte**

1. K 910157 umlaufend eindrücken
2. Schnittflächen versiegeln
3. Falls keine nachträgliche Verklebung vorgesehen ist, müssen vor dem Fügen alle Profilinnenflächen im Eckbereich mit HUECK Metallkleber bestrichen werden
4. Eckverbinder einschieben
5. Rahmen fügen (erst Innen-, dann Außenkammer)
6. Ecke ausrichten
7. Ecke verstiften
8. Kleber einspritzen, bis der Kleber an den Stiften austritt

**Processing steps**

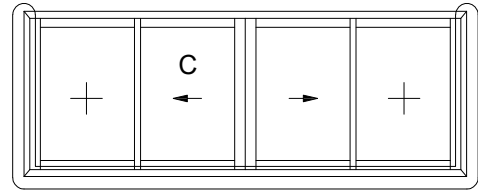
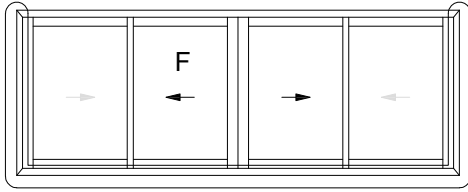
1. Insert K 910157 circumferential
2. Seal the cut surfaces
3. If there is no subsequent gluing planned, all inner profile surfaces at the corner area must be applied with HUECK metal glue before joining
4. Slide in the corner bracket
5. Join the frame (Internal chamber at first, then external)
6. Adjust the corner
7. Nail the corner
8. Insert the glue, till the glue leaks at the pins



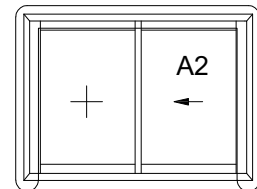
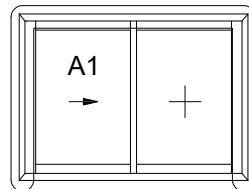
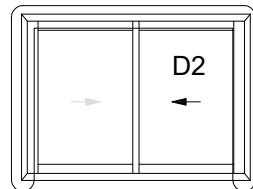
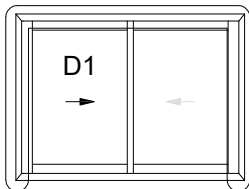
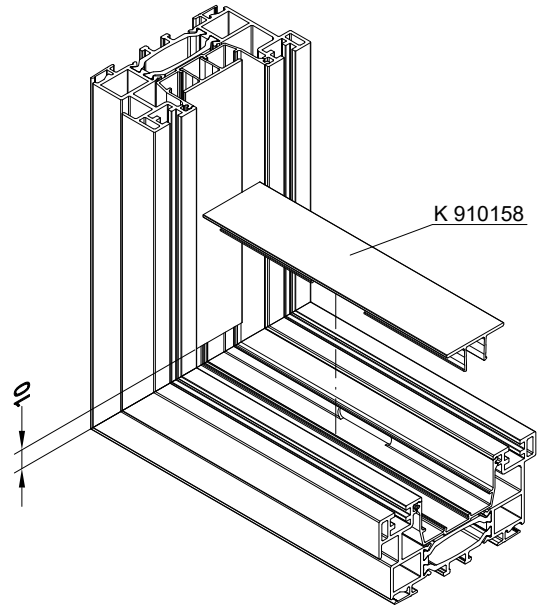
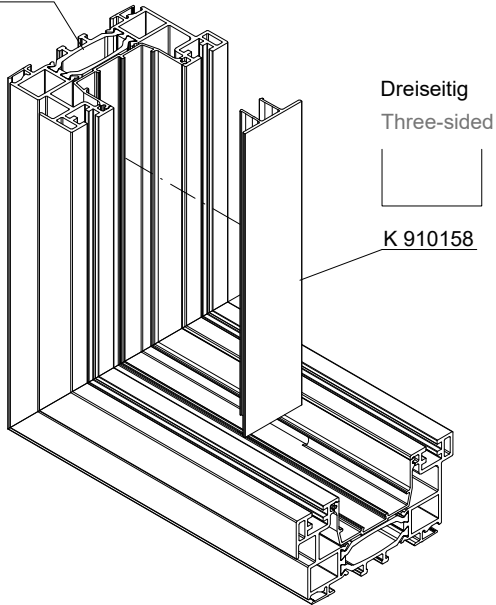
Optional  
Z 911737

Öffnungen sind mit Dichtstoff abzudichten  
Holes must be sealed with sealant

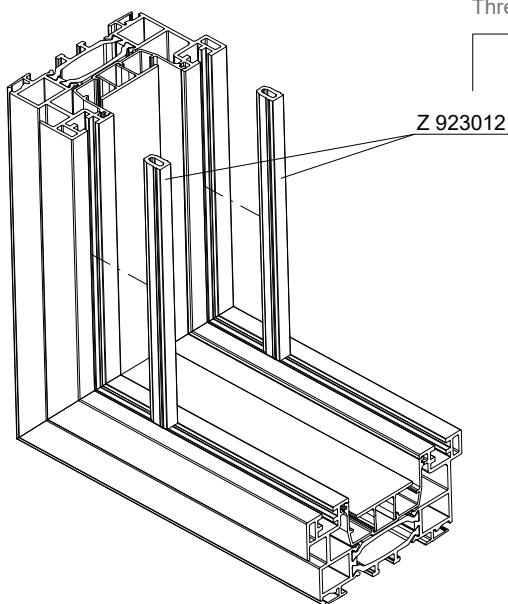
RAHMENMONTAGE  
 FRAME ASSEMBLY



B 822010  
 B 822012  
 B 822020  
 B 822022



Dreiseitig  
 Three-sided



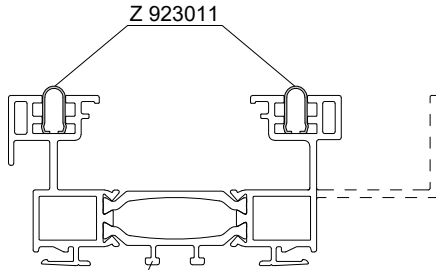
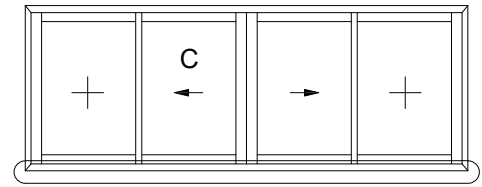
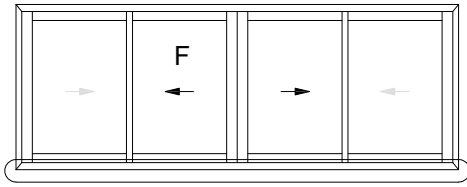
**Bearbeitungsschritte**

1. Schließteile einbauen und positionieren (siehe Kapitel Beschlageinbau)
2. Dichtungen einziehen

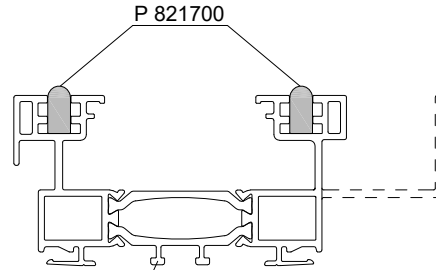
**Processing steps**

1. Install and position the locking parts (see chapter fitting installation)
2. Insert the gaskets

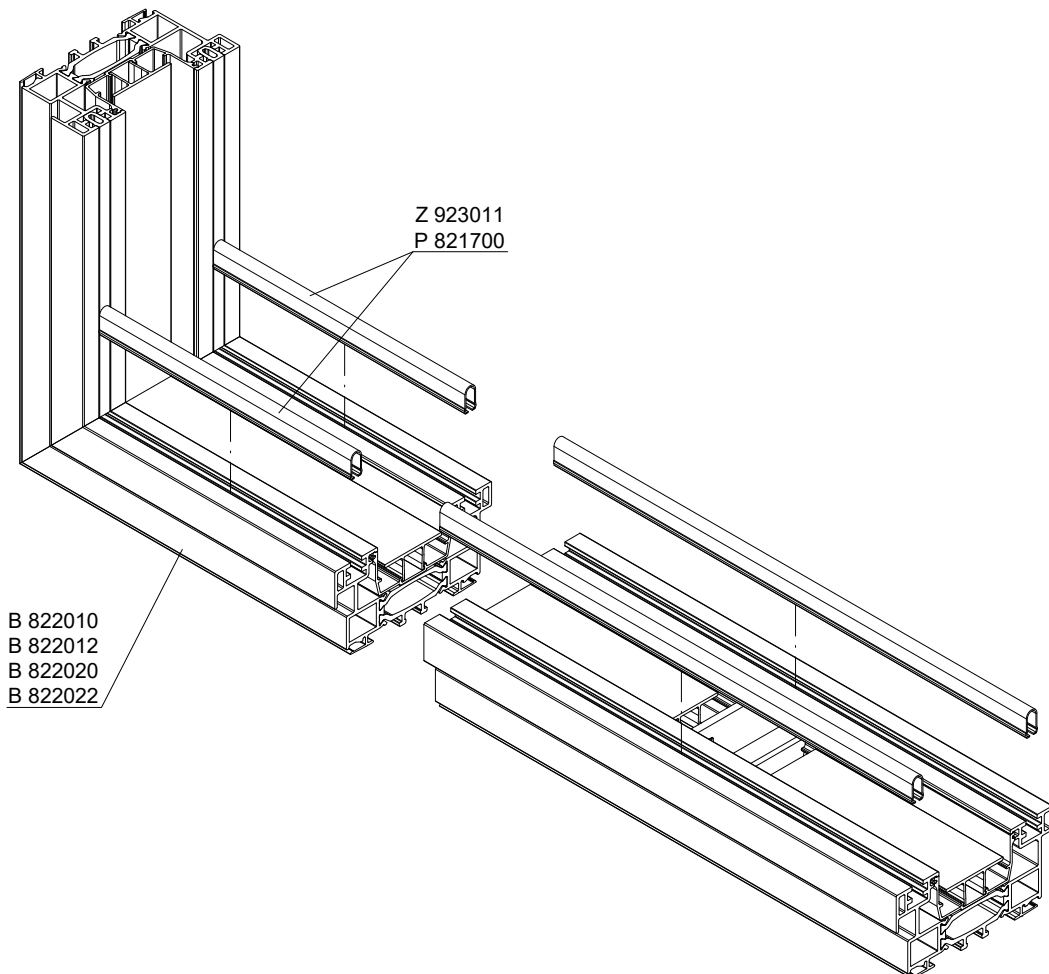
RAHMENMONTAGE  
 FRAME ASSEMBLY



B 822010  
 B 822012  
 B 822020  
 B 822022

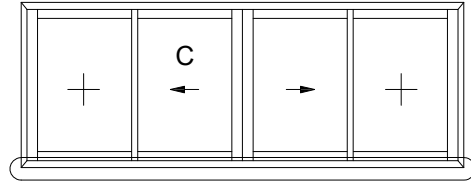
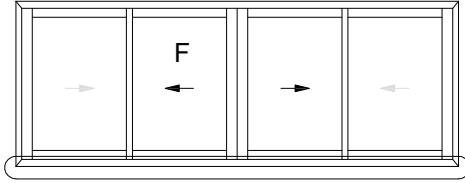


B 822010  
 B 822012  
 B 822020  
 B 822022

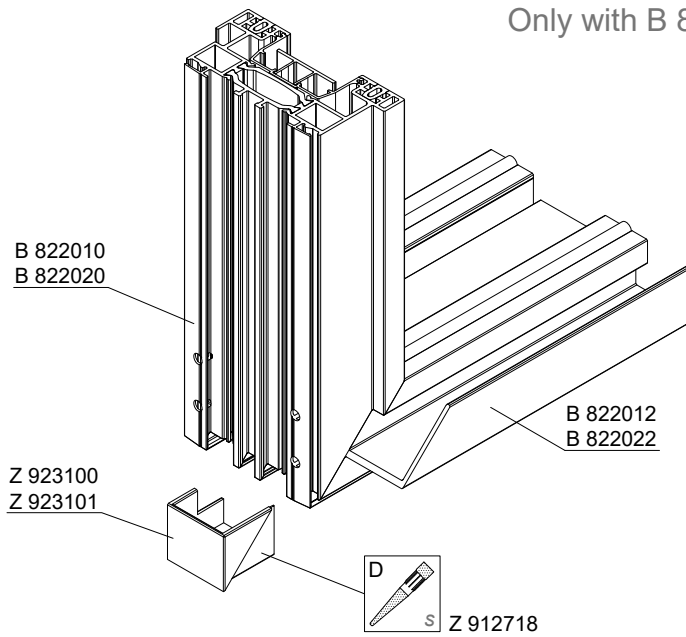




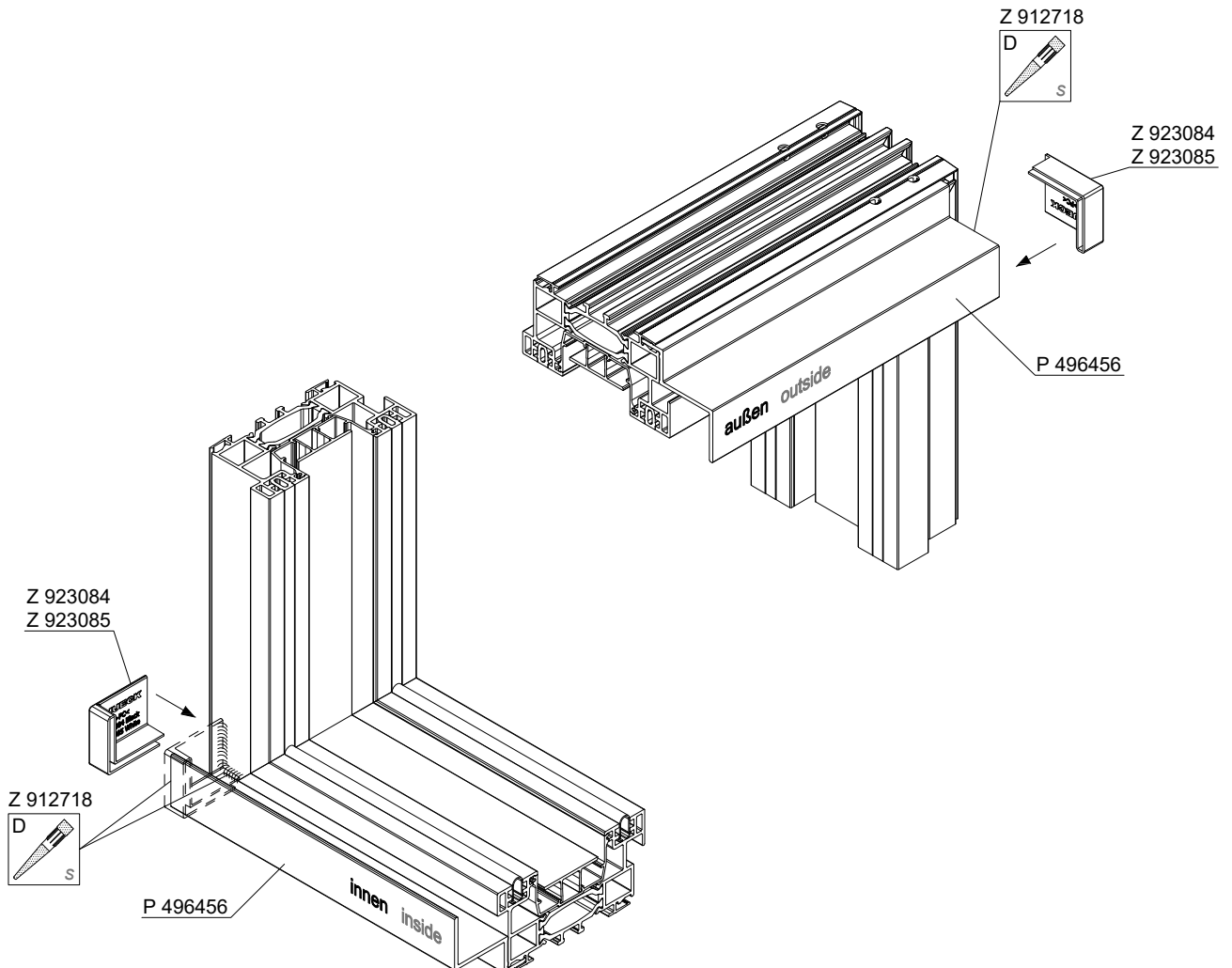
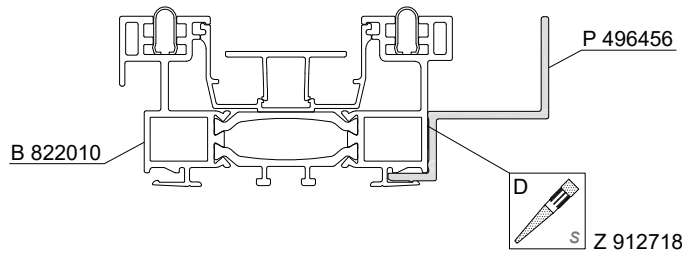
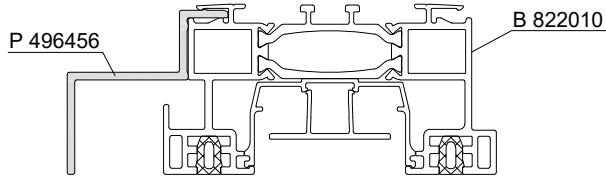
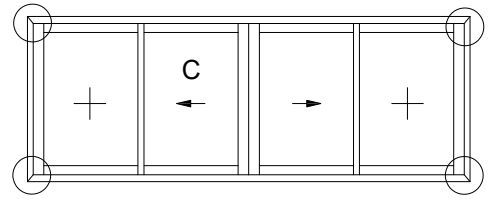
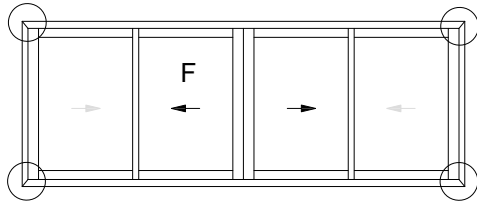
RAHMENMONTAGE  
FRAME ASSEMBLY



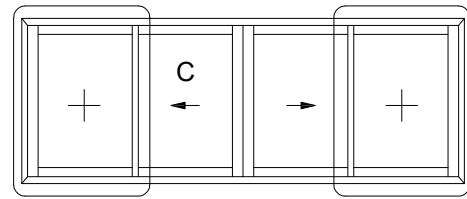
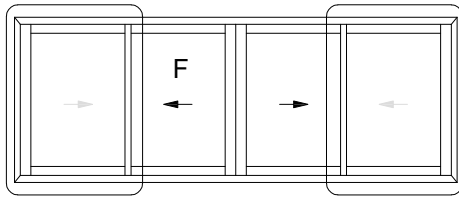
Nur bei B 822012 / B 822022  
Only with B 822012 / B 822022



RAHMENMONTAGE  
 FRAME ASSEMBLY



FLÜGELMONTAGE  
SASH ASSEMBLY

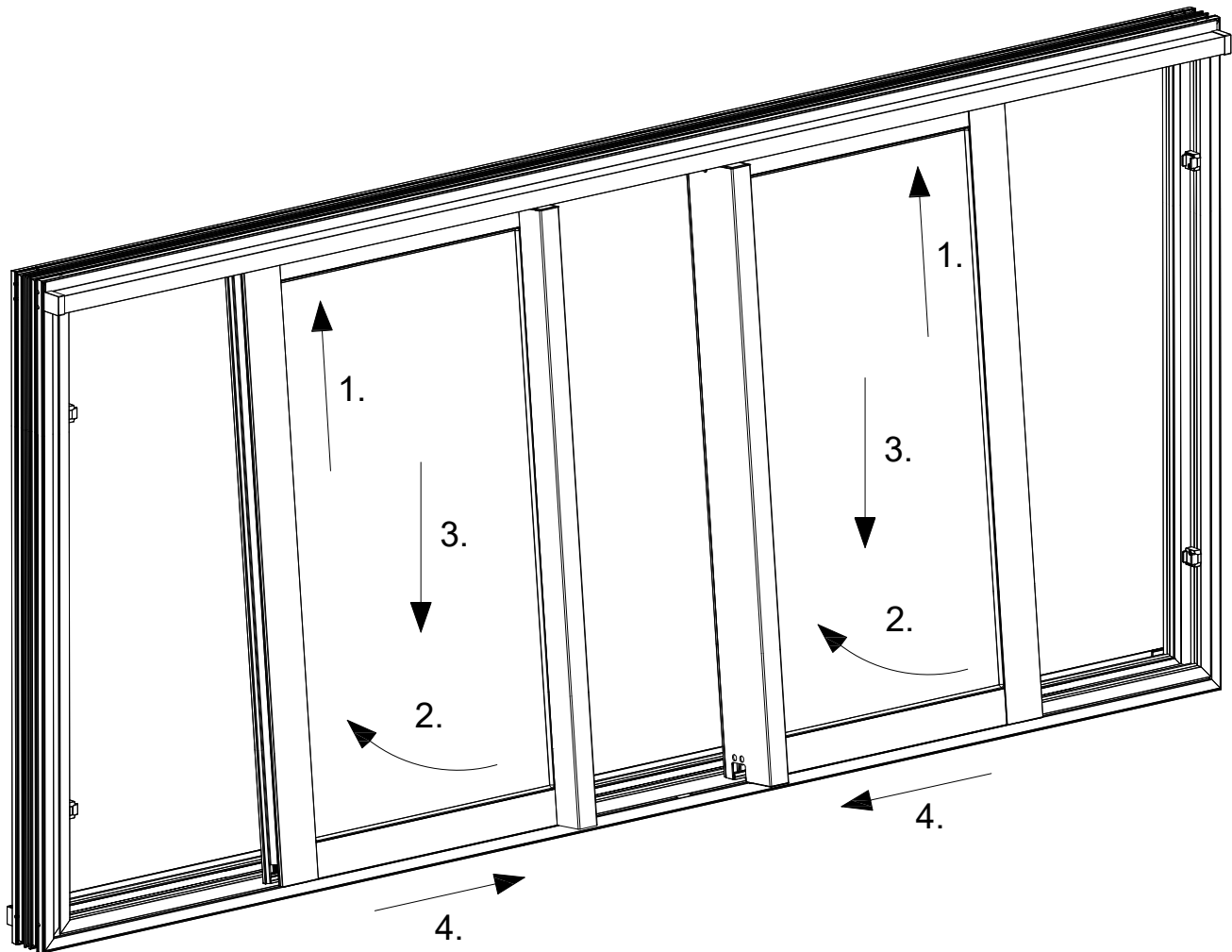


**Bearbeitungsschritte**

1. Äußere Flügel montieren  
(Siehe Kapitel Verarbeitung / Montage Flügel)
2. Äußere Flügel einhängen

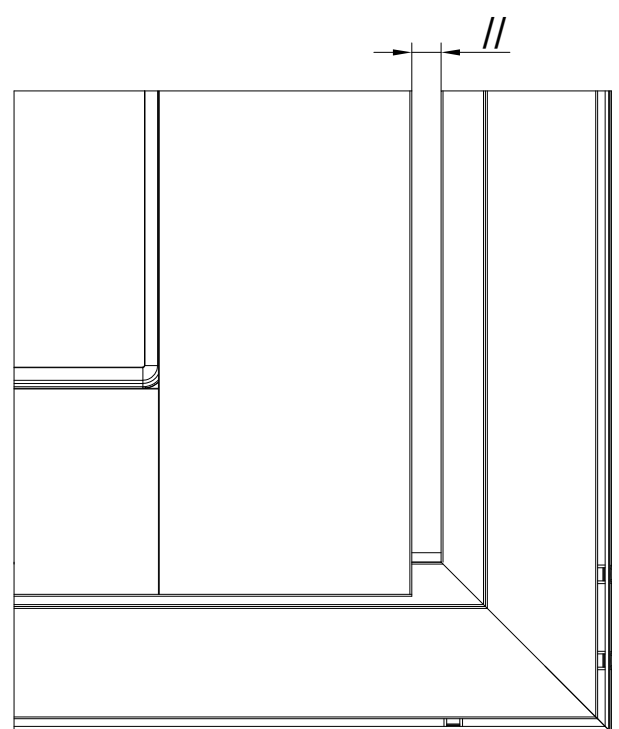
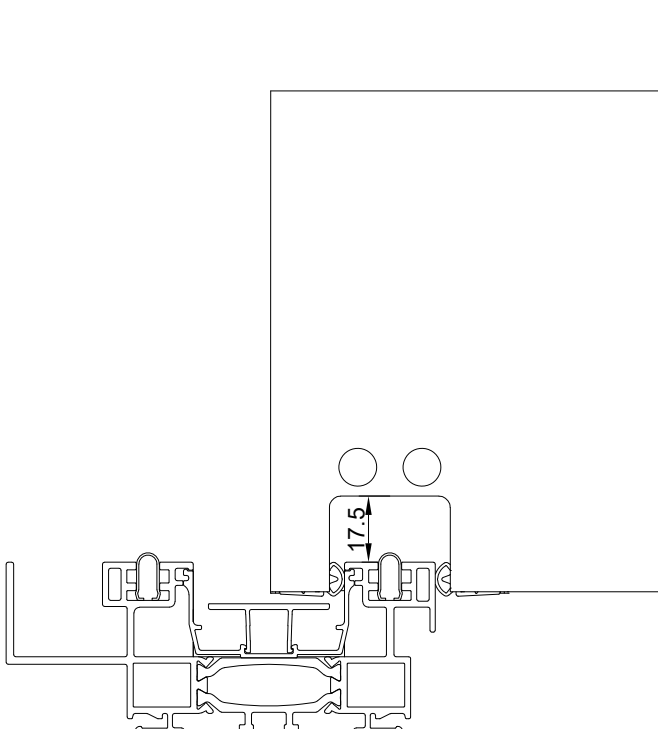
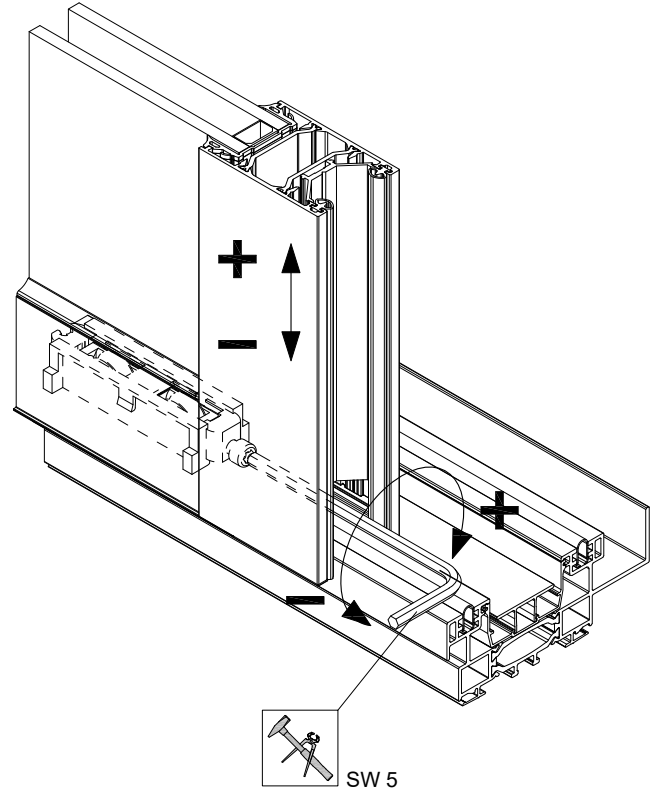
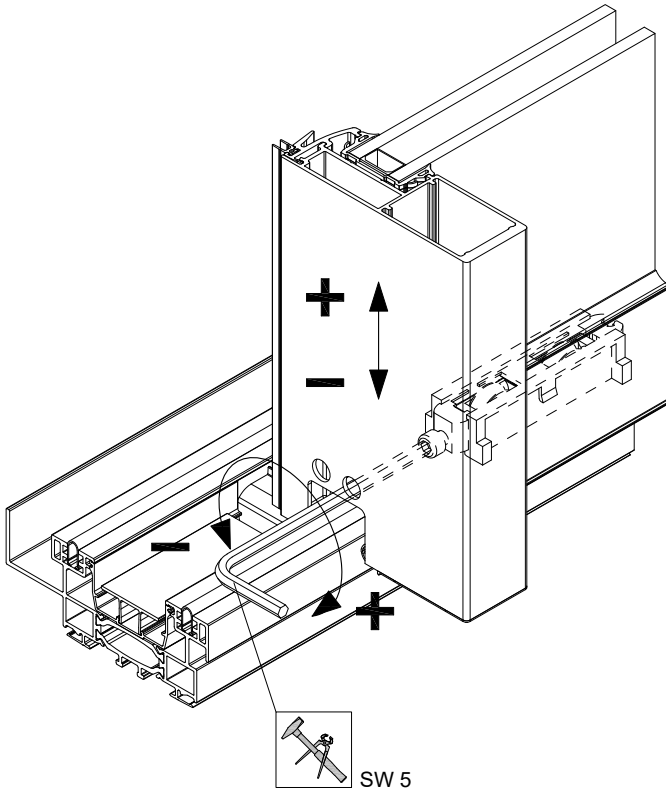
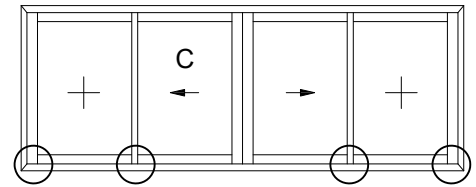
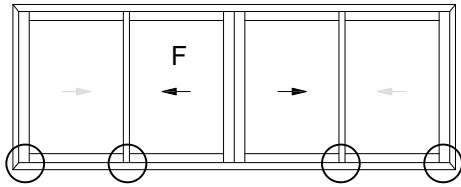
**Processing steps**

1. Assemble the outer sash  
(see chapter processing / assembly sash)
2. Insert the outer sash

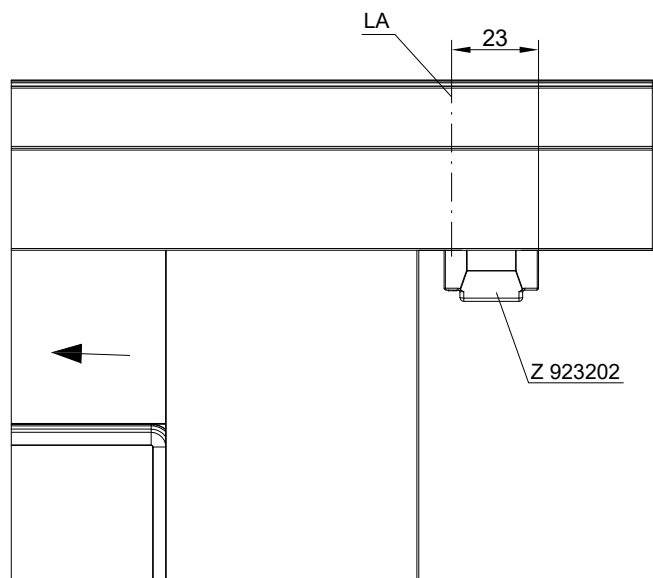
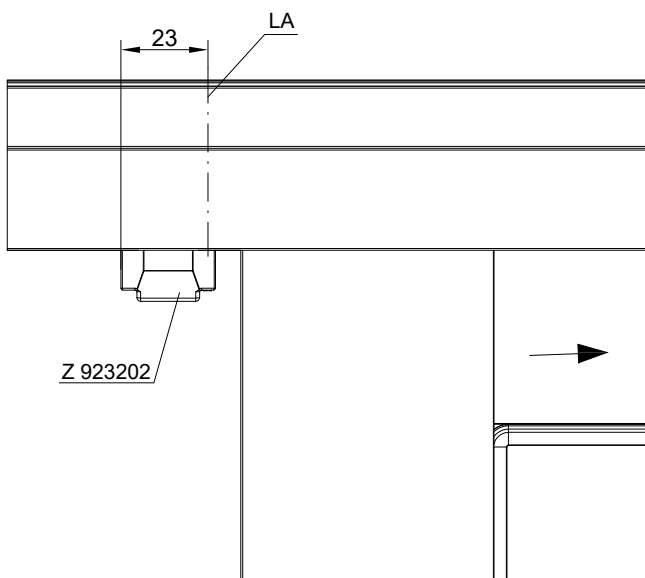
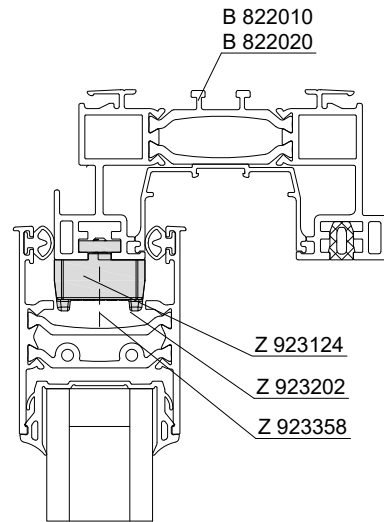
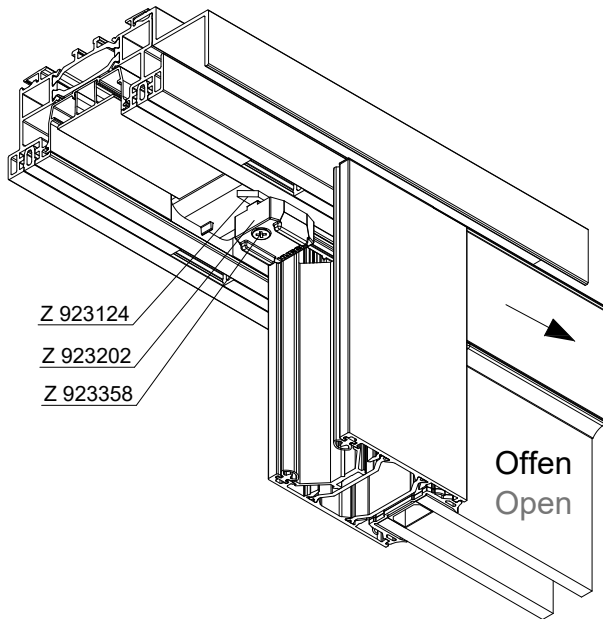
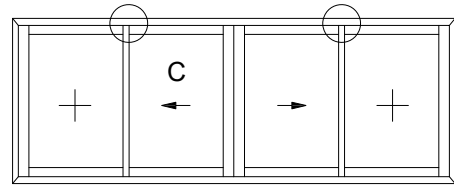
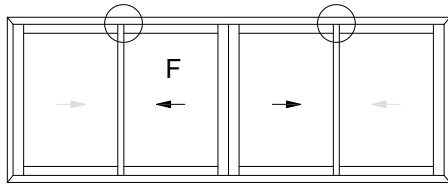


Ansicht von Außen  
Outside view

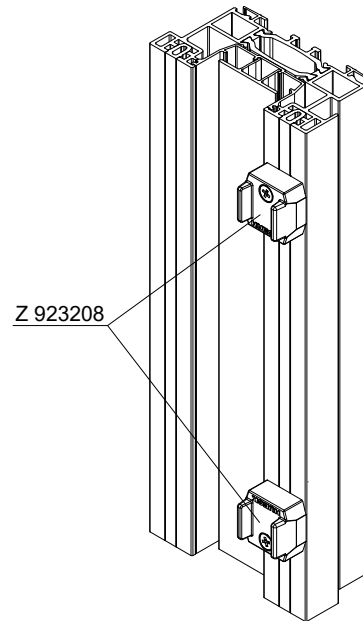
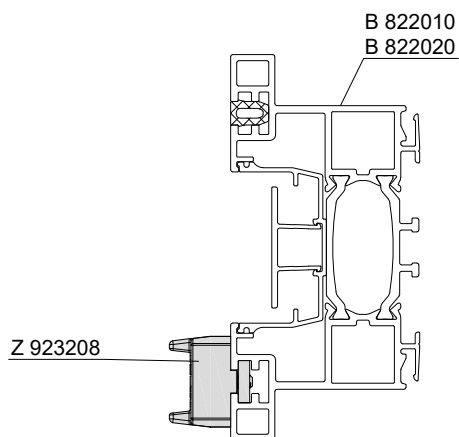
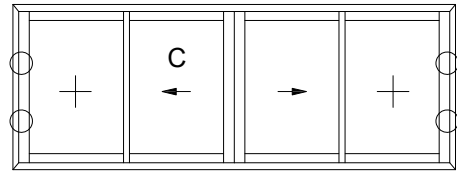
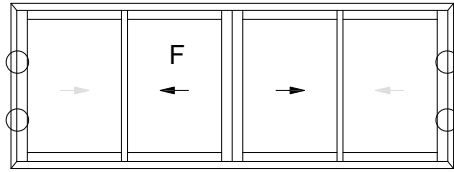
FLÜGELMONTAGE  
 SASH ASSEMBLY



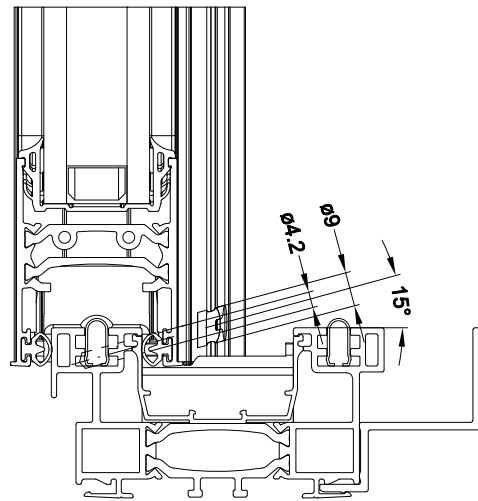
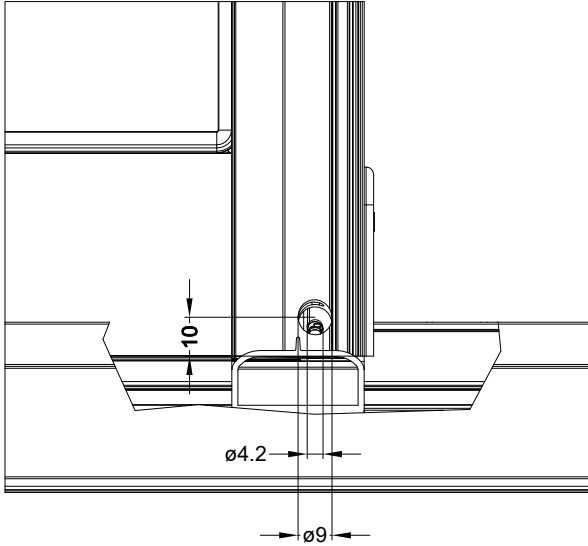
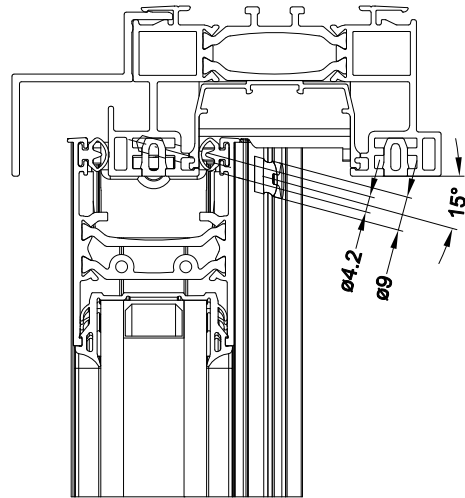
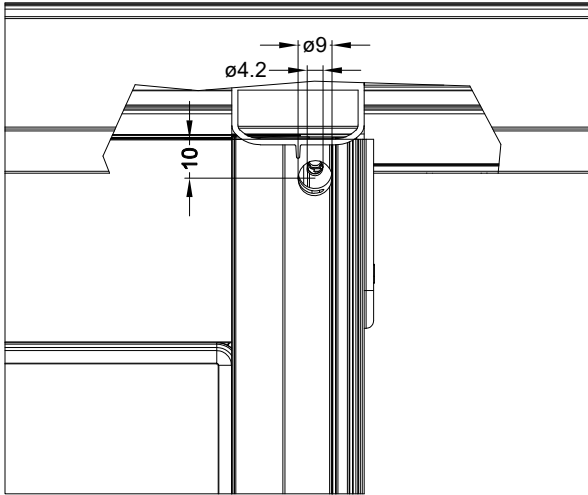
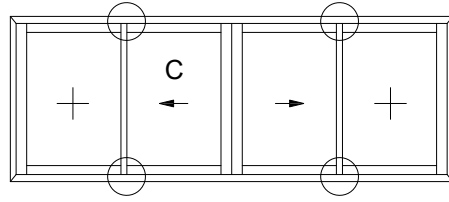
FLÜGELMONTAGE  
 SASH ASSEMBLY



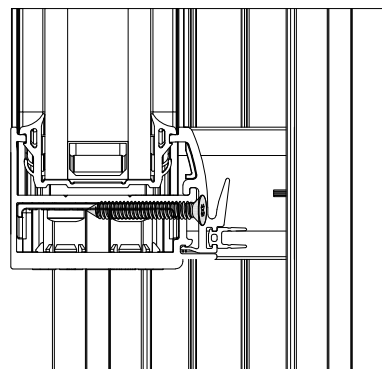
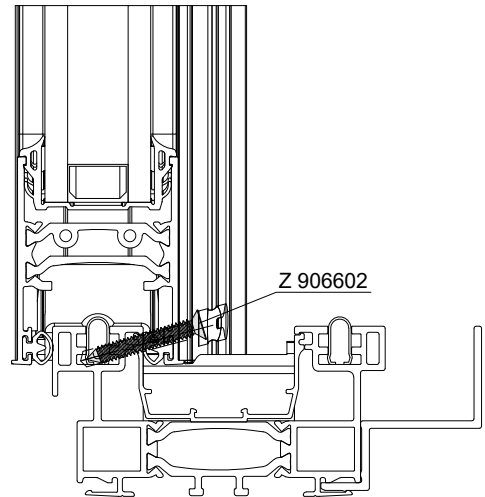
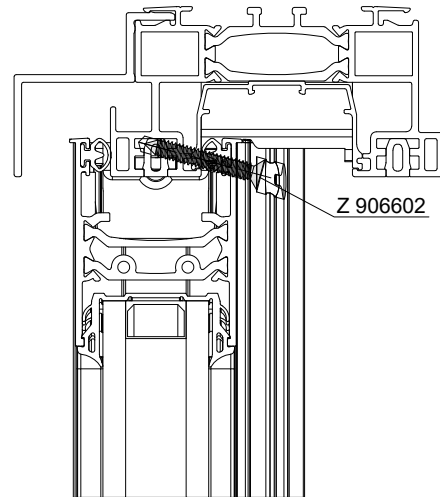
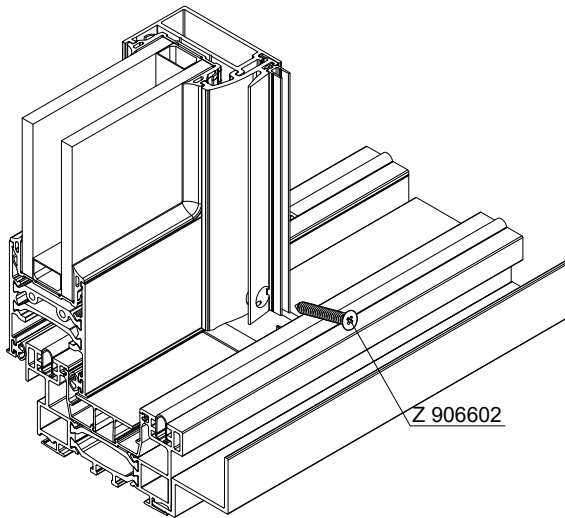
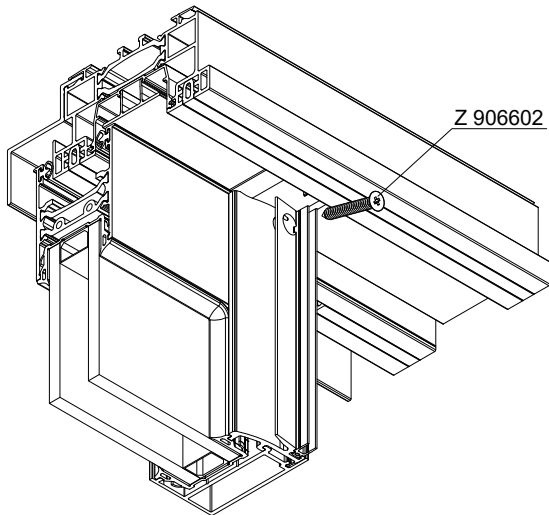
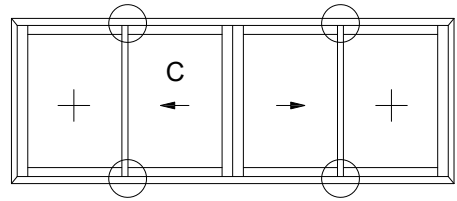
FLÜGELMONTAGE  
SASH ASSEMBLY



FLÜGELMONTAGE  
SASH ASSEMBLY

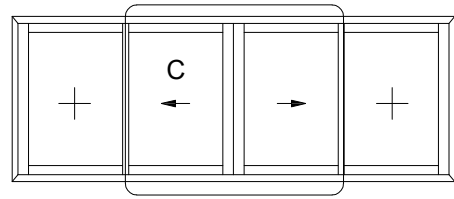
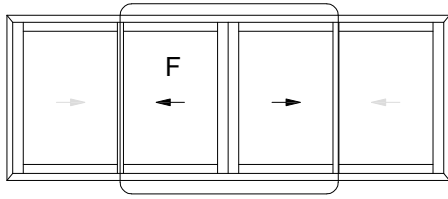


FLÜGELMONTAGE  
 SASH ASSEMBLY





FLÜGELMONTAGE  
SASH ASSEMBLY

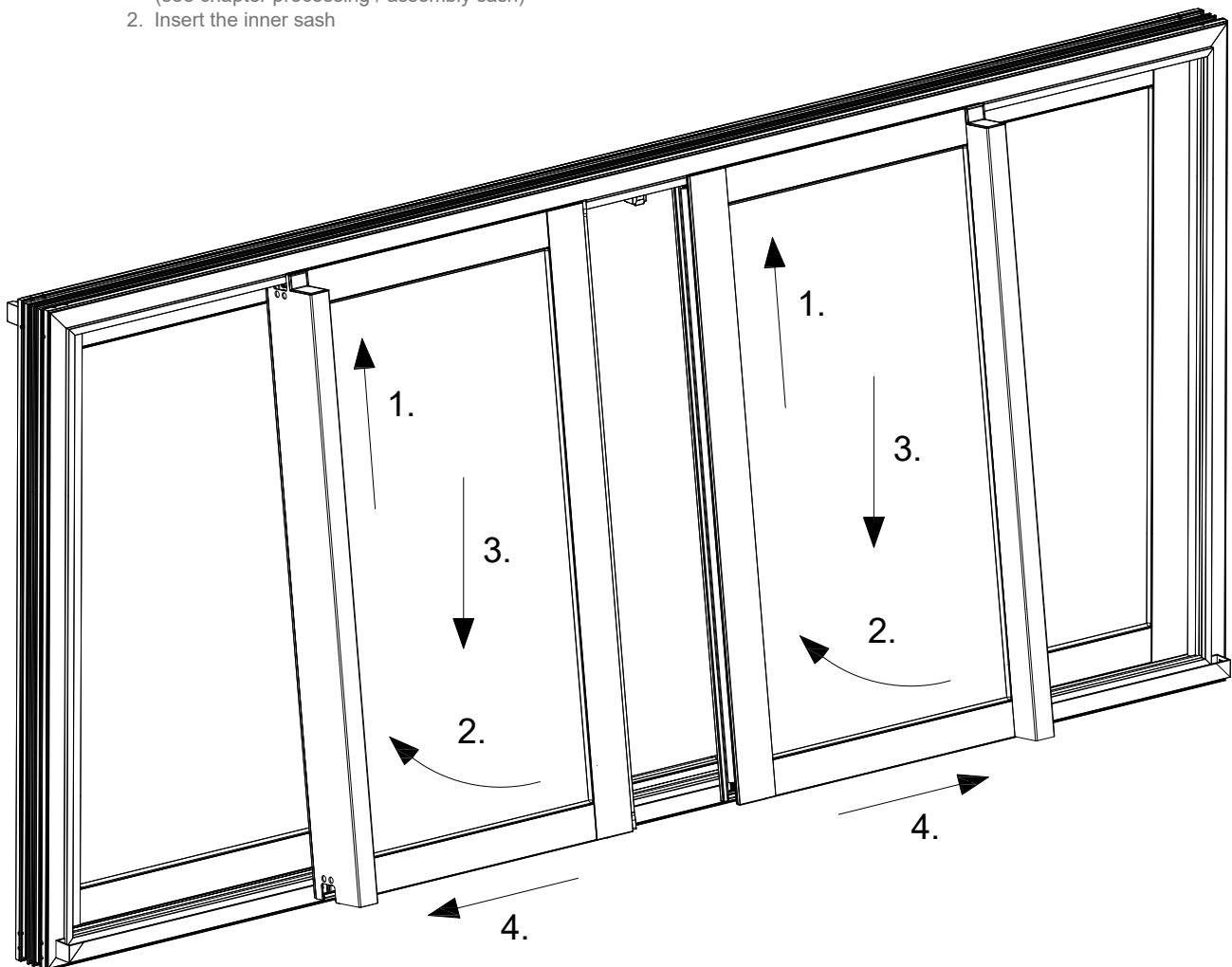


**Bearbeitungsschritte**

1. Inneren Flügel montieren  
(Siehe Kapitel Verarbeitung / Montage Flügel)
2. Inneren Flügel einhängen

**Processing steps**

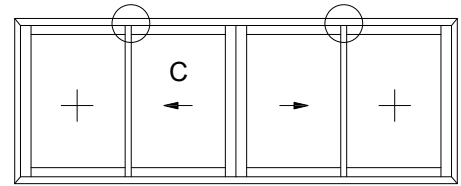
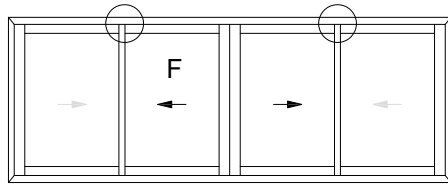
1. Assemble the inner sash  
(see chapter processing / assembly sash)
2. Insert the inner sash



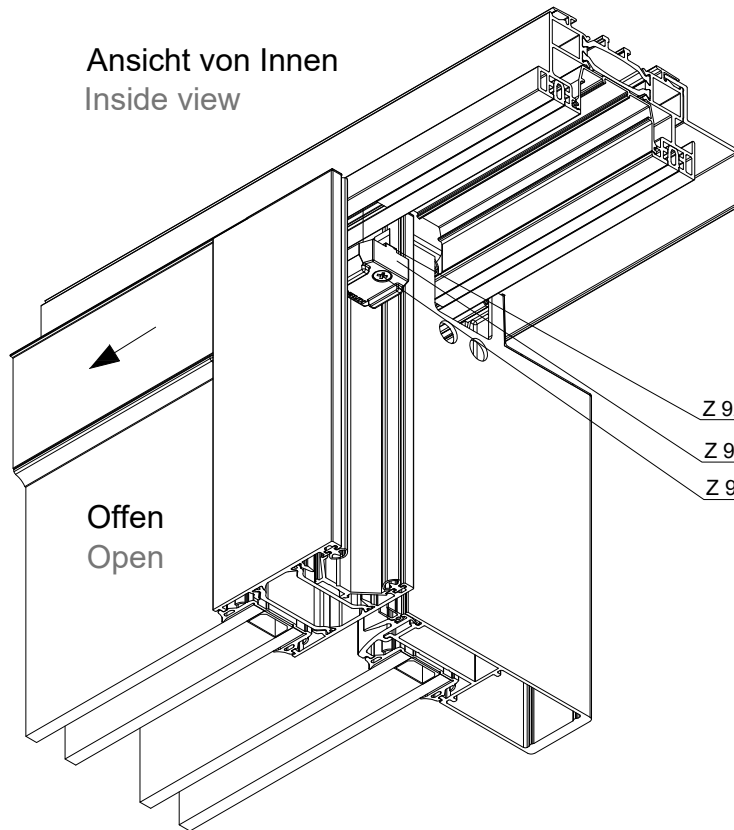
Ansicht von Innen  
Inside view

Der äußere Griff + Stopper muss demontiert sein.  
The outer handle + stopper has to be dismantled

FLÜGELMONTAGE  
 SASH ASSEMBLY

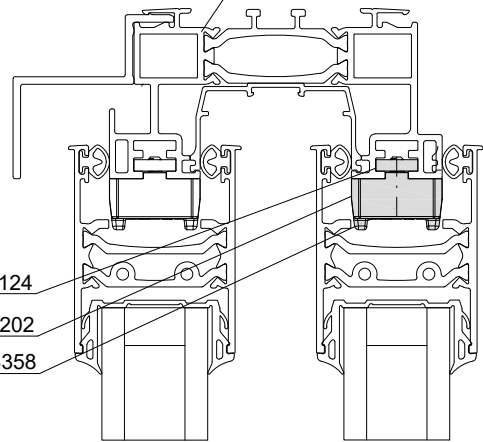


Ansicht von Innen  
 Inside view

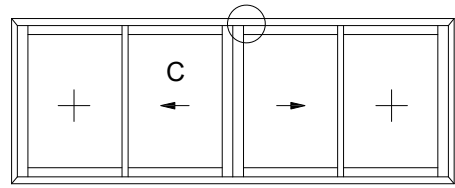
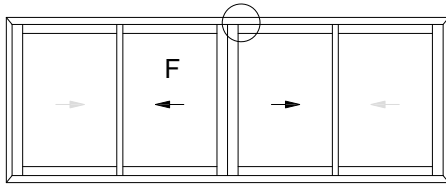


Z 923124  
 Z 923202  
 Z 923358

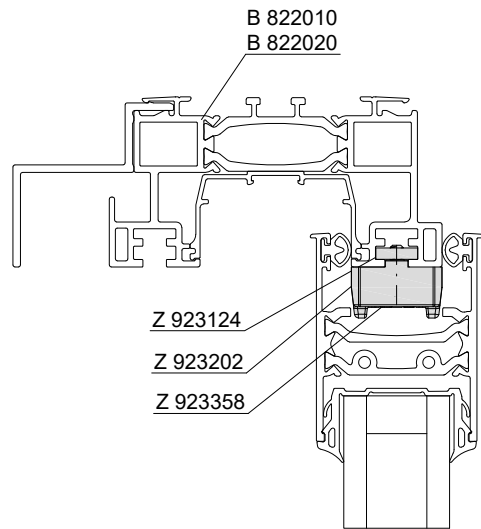
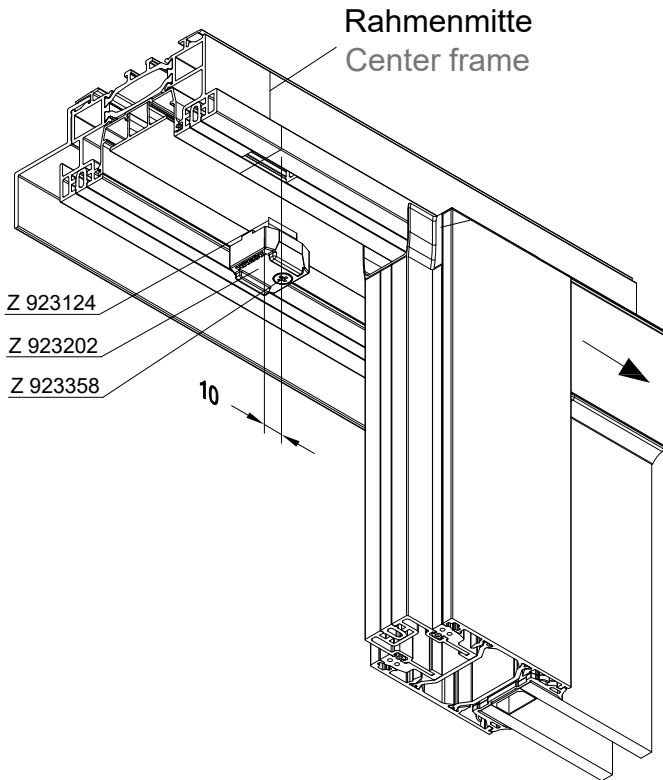
B 822010  
 B 822020



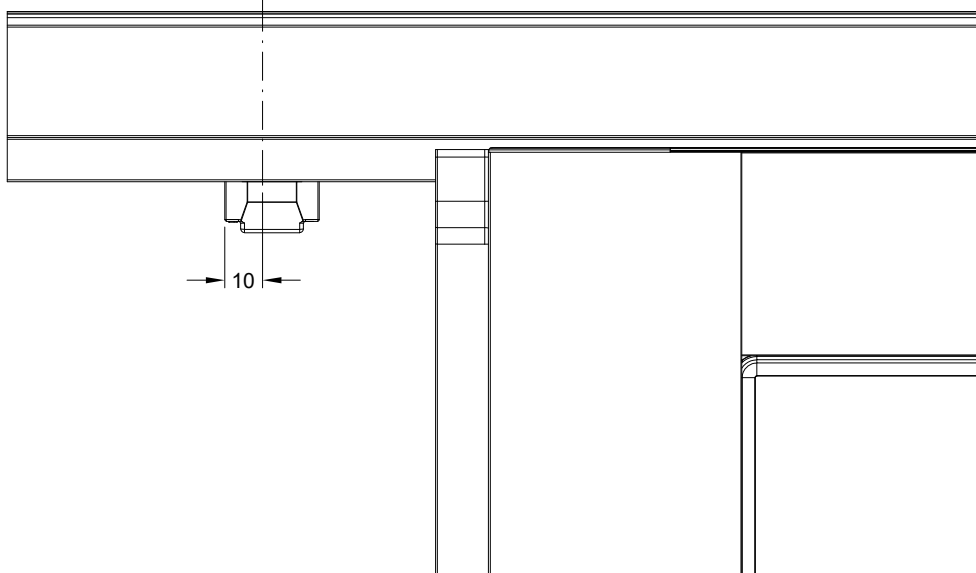
FLÜGELMONTAGE  
 SASH ASSEMBLY



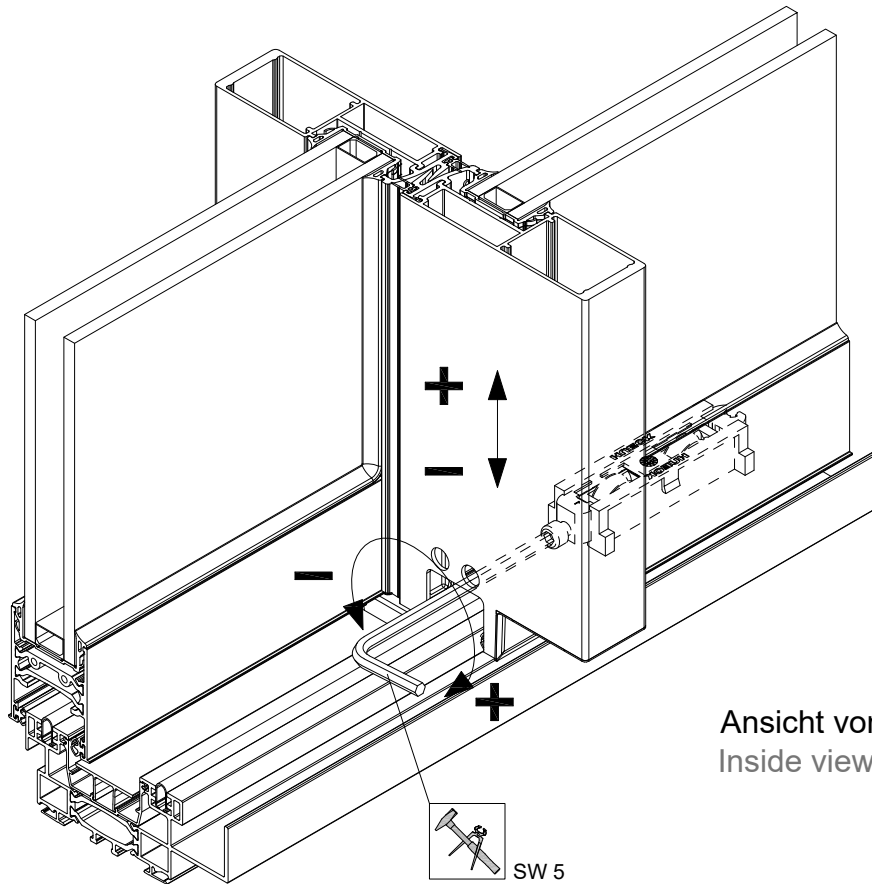
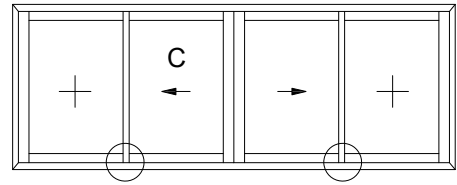
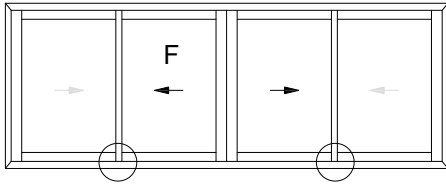
Ansicht von Innen  
 Inside view



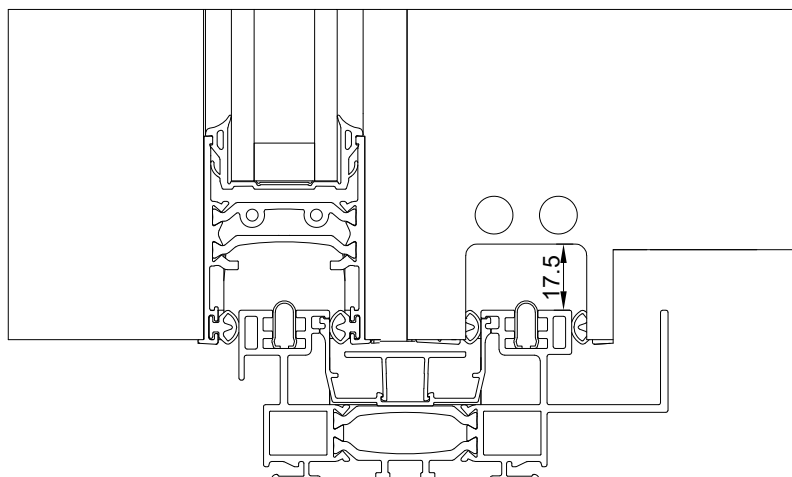
Rahmenmitte  
 Center frame



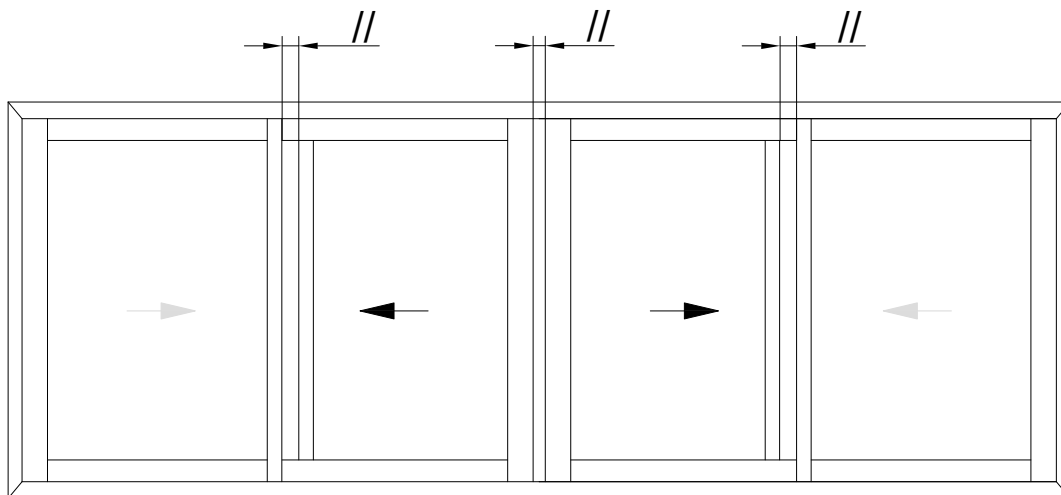
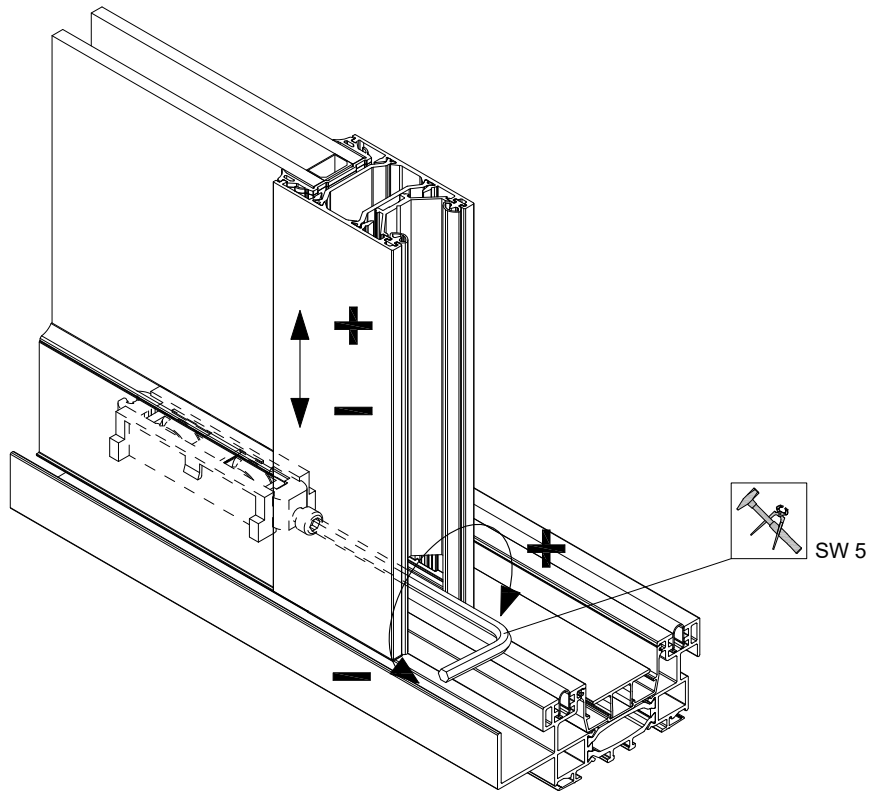
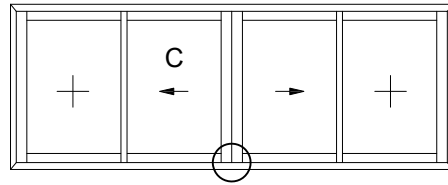
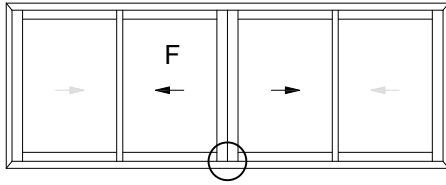
FLÜGELMONTAGE  
 SASH ASSEMBLY



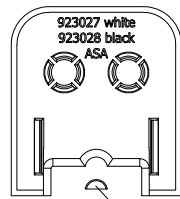
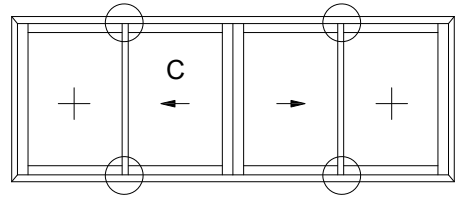
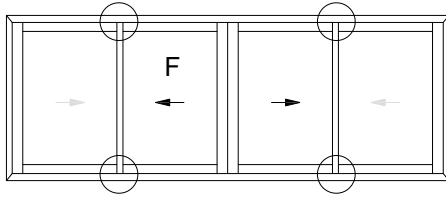
Ansicht von Innen  
 Inside view



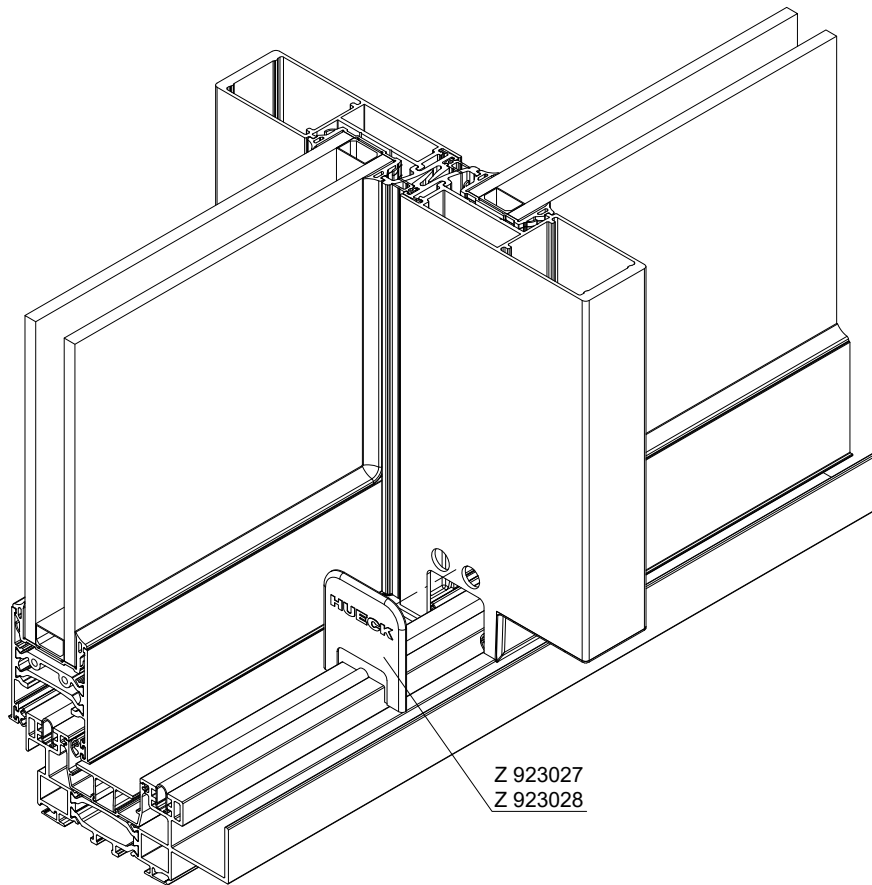
FLÜGELMONTAGE  
SASH ASSEMBLY



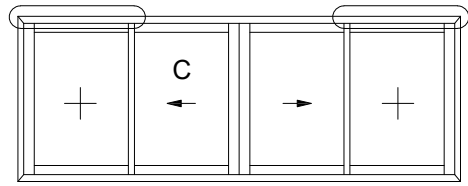
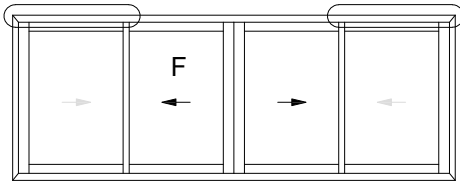
FLÜGELMONTAGE  
 SASH ASSEMBLY



Nur unten  
 Only below

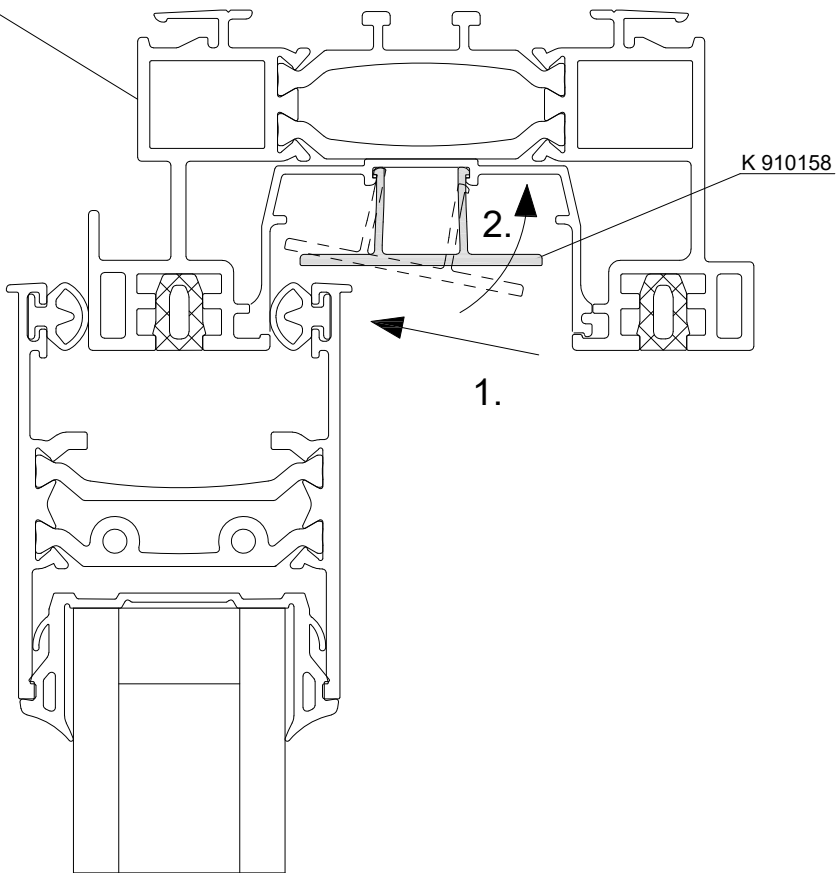


RAHMENMONTAGE  
FRAME ASSEMBLY

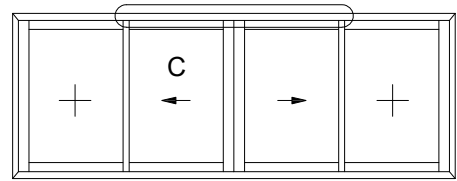
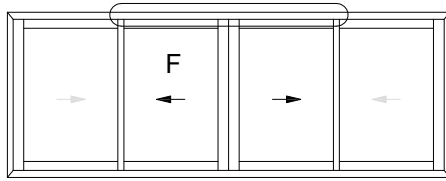


Optional

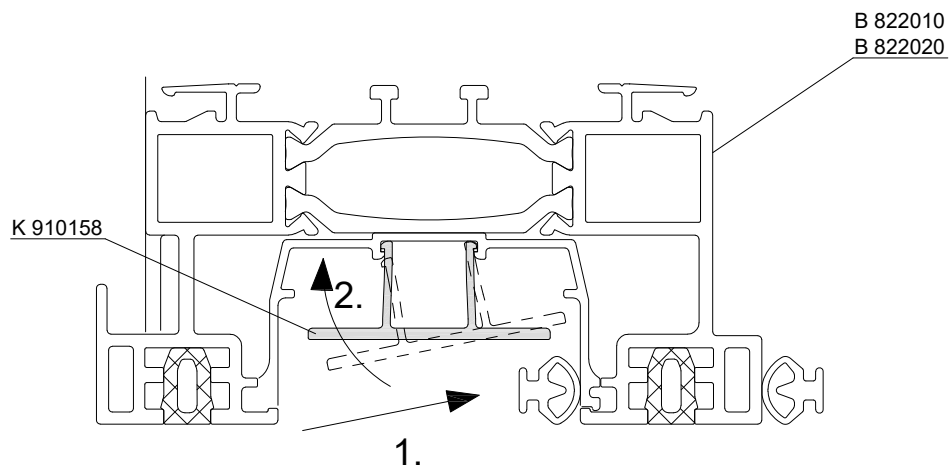
B 822010  
B 822020



RAHMENMONTAGE  
 FRAME ASSEMBLY

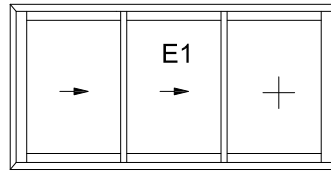


Optional

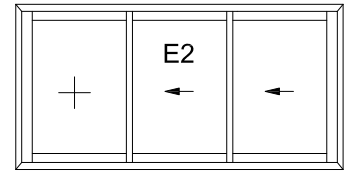




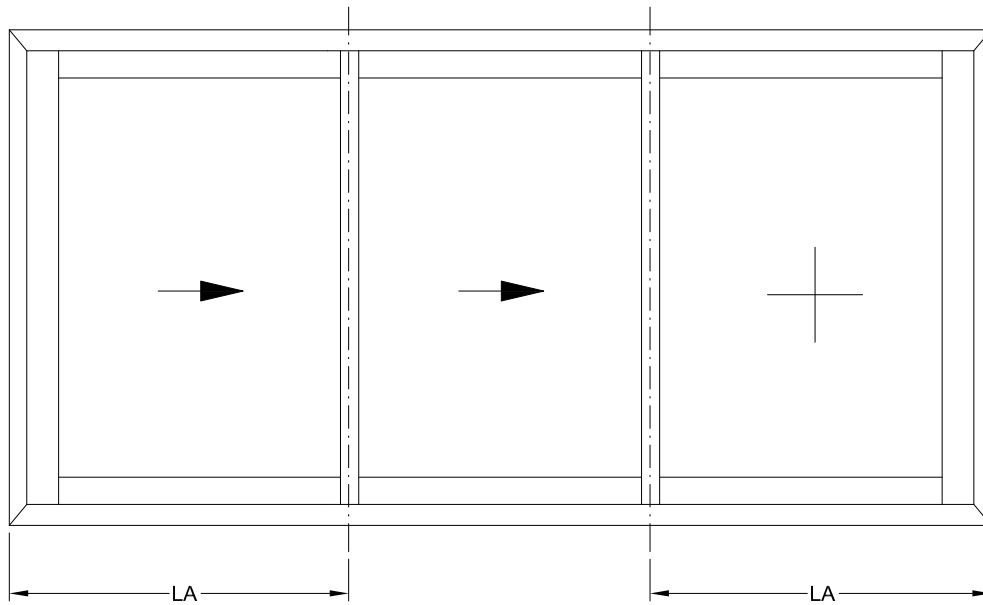




Schema E1 dargestellt  
 Scheme E1 shown



Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted



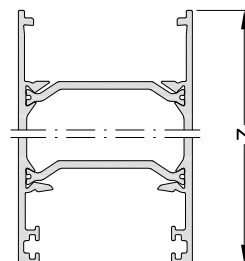
Bei gleichen Glasbreiten:

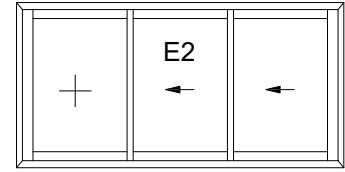
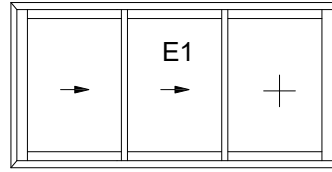
$$LA = (RB + 18,5 - 2 \times Z) / 3 + Z$$

For the same glass sizes

$$LA = (RB + 18,5 - 2 \times Z) / 3 + Z$$

	Z (mm)
B 822200	67
B 822210	77

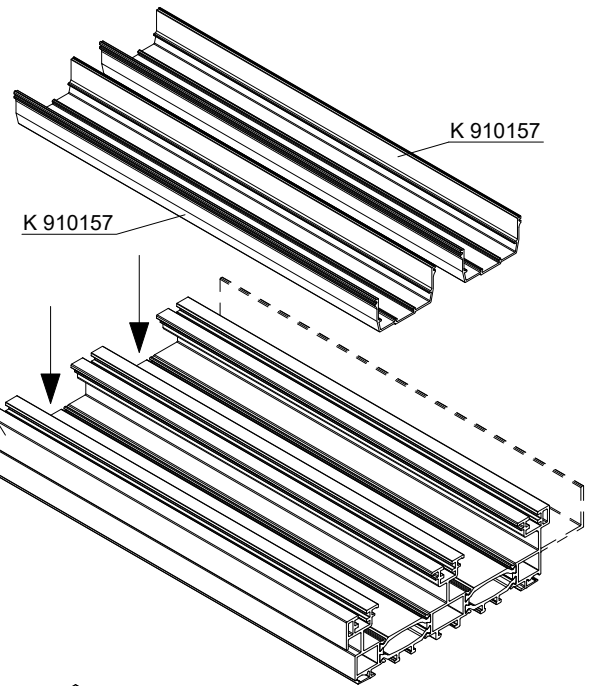
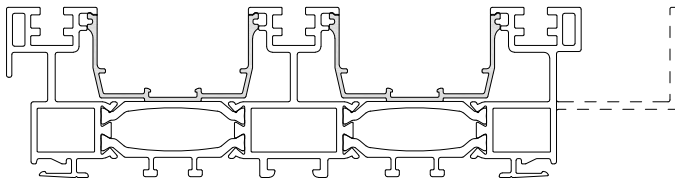




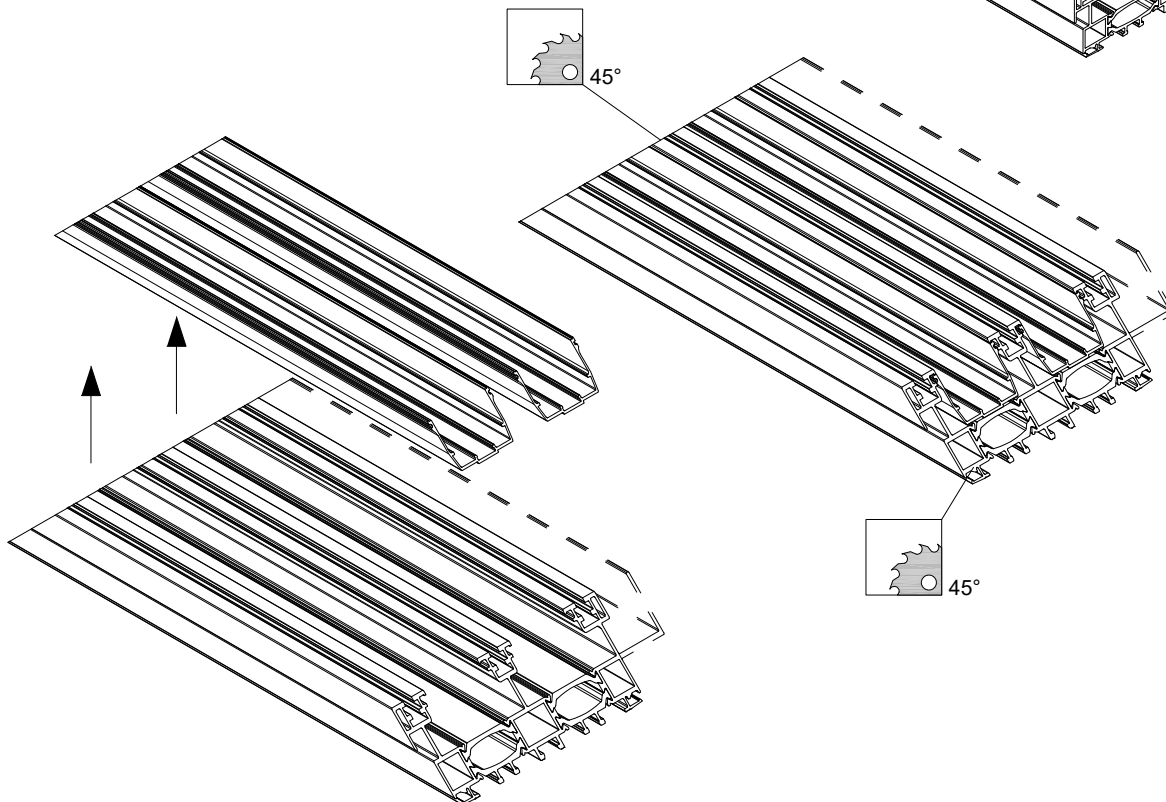
**B 822011, B 822013, B 822021, B 822023**

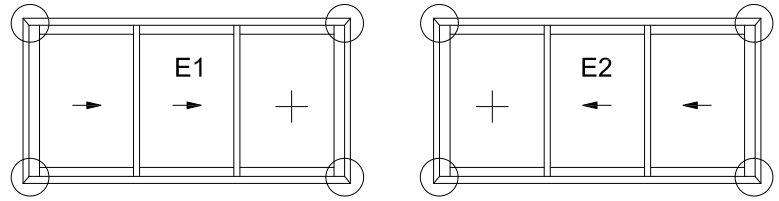
**K 910157**

umlaufend  
circumferential



B 822011  
B 822013  
B 822021  
B 822023

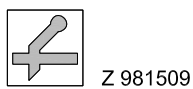
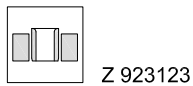
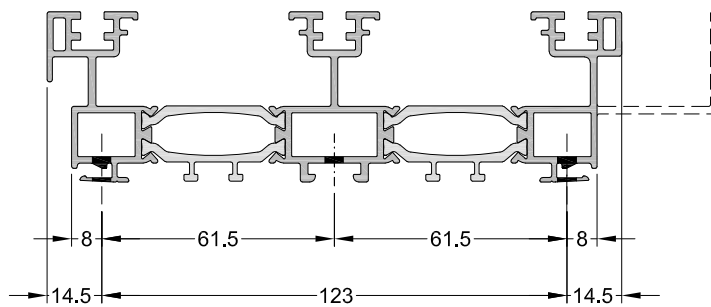
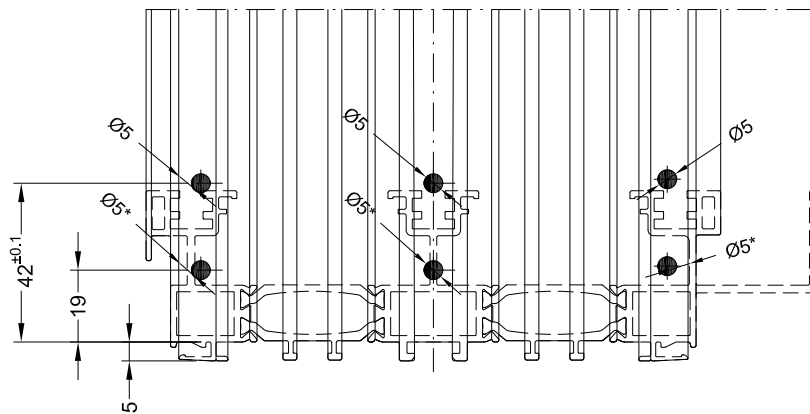


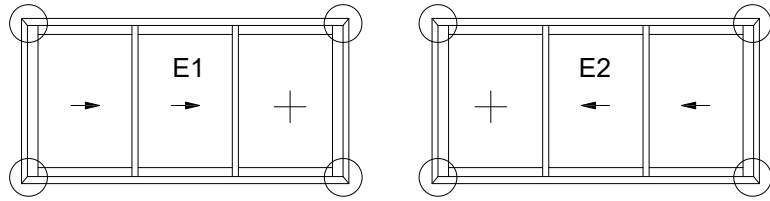


**B 822011 + B 822013**

\* Bohrung wahlweise,  
 für nachträgliche Verklebung

\* drilling optional,  
 for retro gluing after assembly

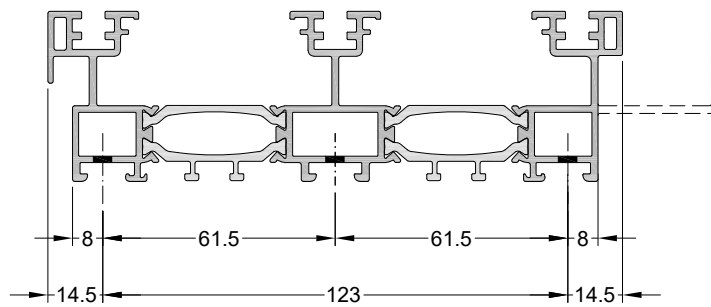
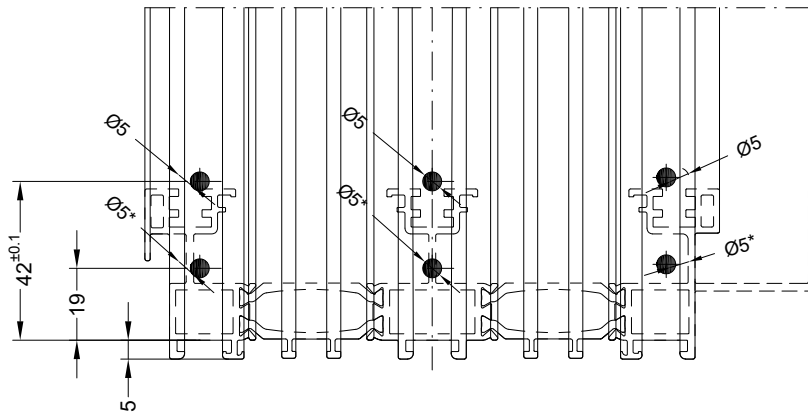




**B 822021 + B 822023**

\* Bohrung wahlweise,  
 für nachträgliche Verklebung

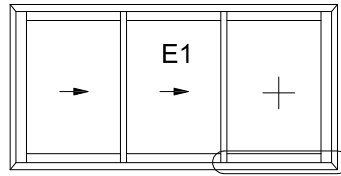
\* drilling optional,  
 for retro gluing after assembly



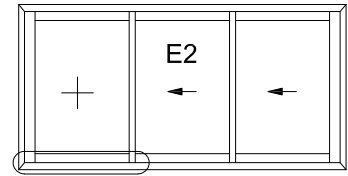
Z 923123  
 Z 921426



Z 981289  
 Z 981423  
 Z 981191  
 Z 981509

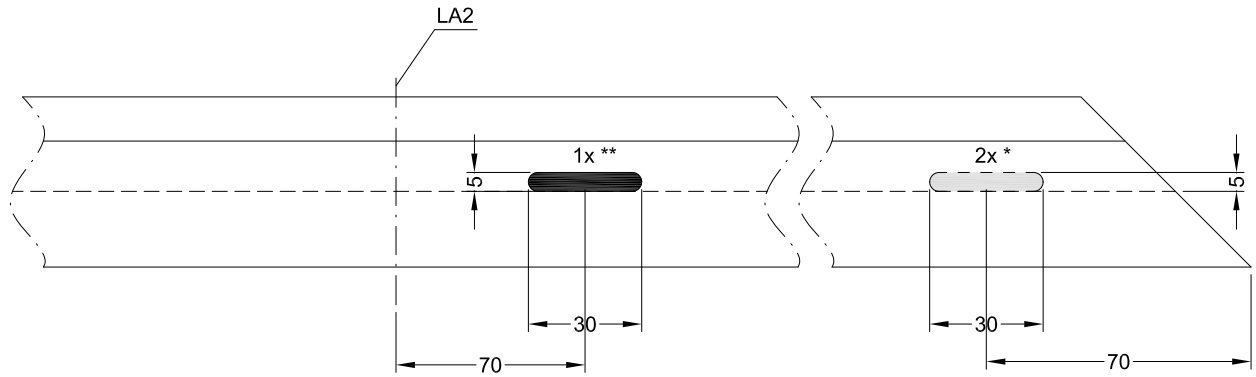


Schema E1 dargestellt  
 Scheme E1 shown

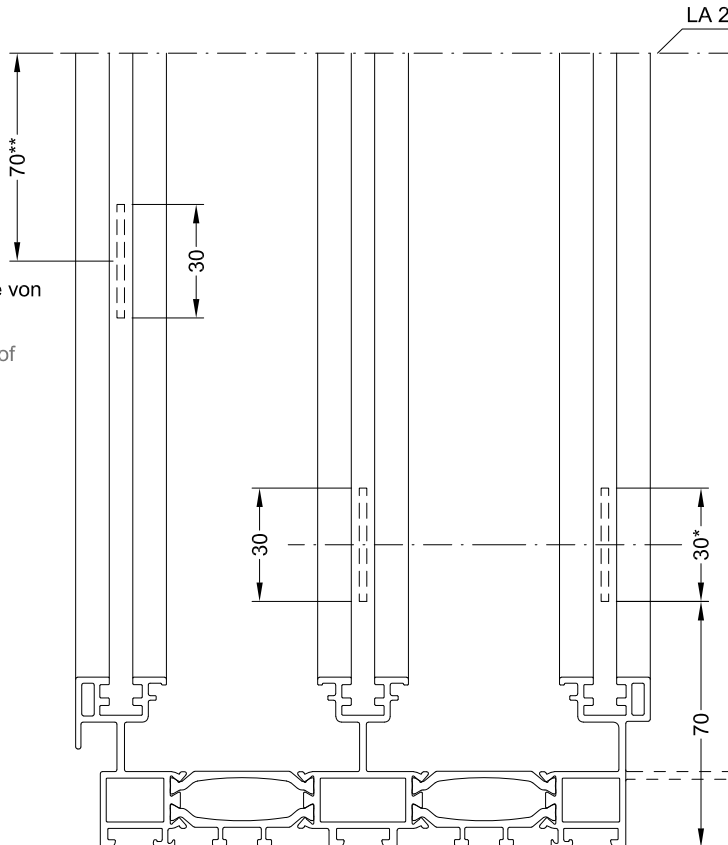
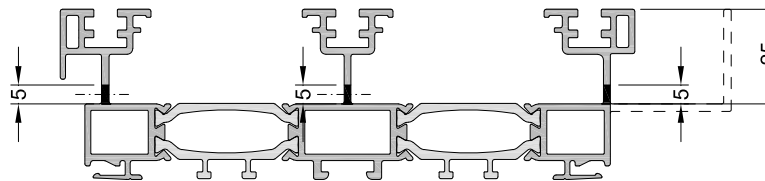


Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted

**B 822011, B 822013, B 822021, B822023**



Z 981511

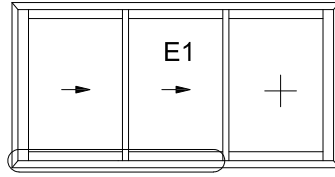


\*\* Zur Aufnahme von  
 Z 923321

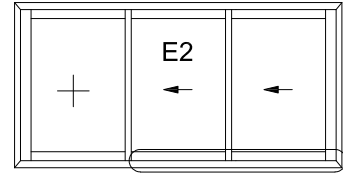
\*\* for receiving of  
 Z 923321

\* Nur bei der Verwendung vom  
 Wetterschenkel P 496456  
 oder Rahmen B 822013 / B 822023 !

\* only when using water bar  
 P 496456 or frame B 822013 / B 823023!



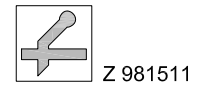
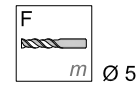
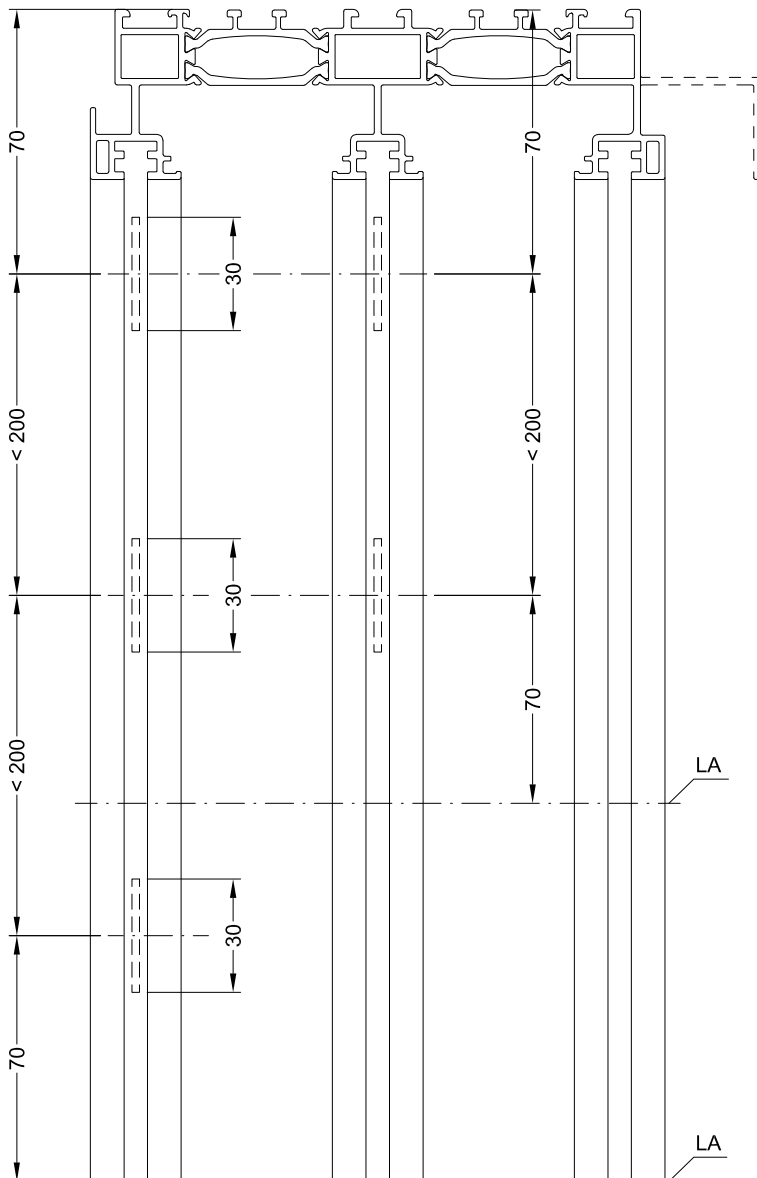
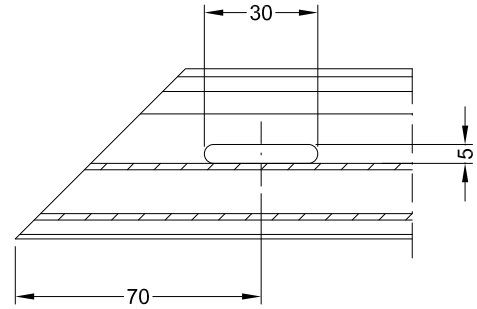
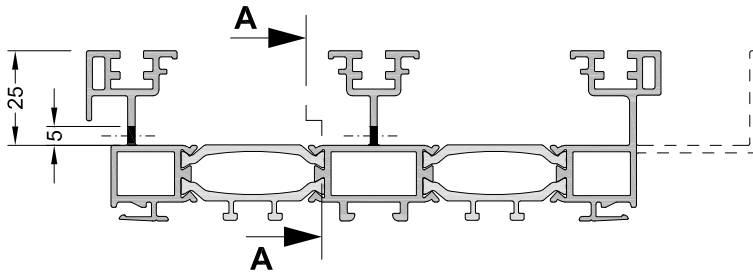
Schema E1 dargestellt  
 Scheme E1 shown

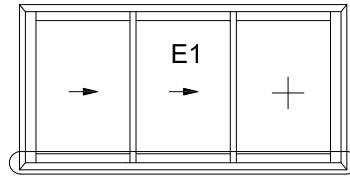


Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted

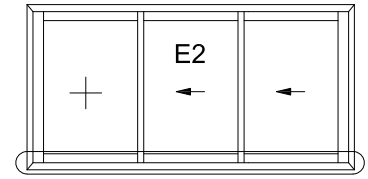
**B 821011, B 821013, B 821021, B821051**

**A - A**



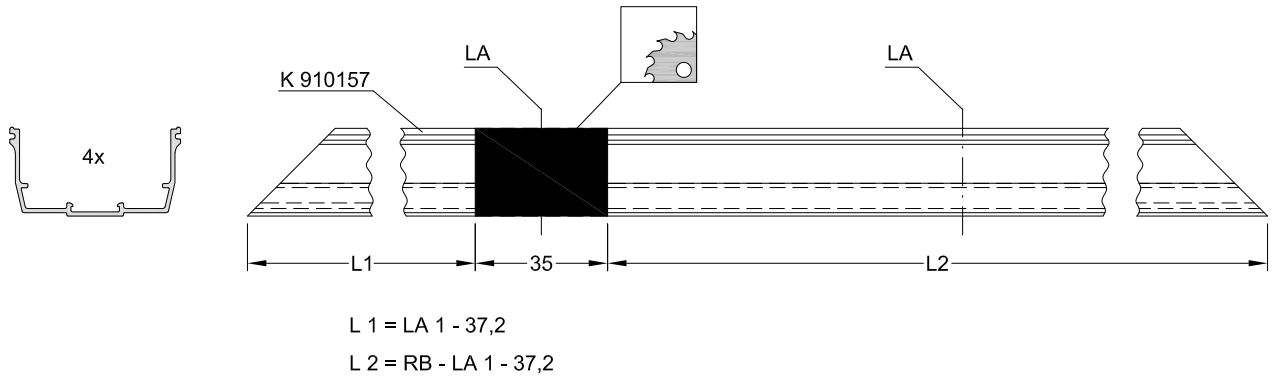


Schema E1 dargestellt  
 Scheme E1 shown



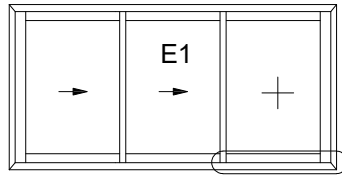
Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted

**K 910157 + K 910158**

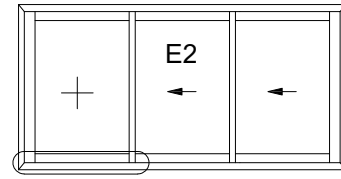




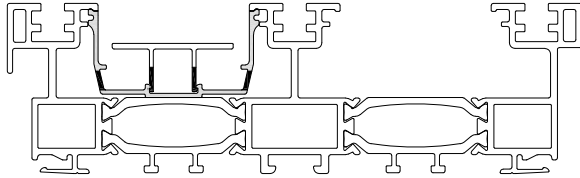
RAHMENBEARBEITUNG  
 FRAME PROCESSING



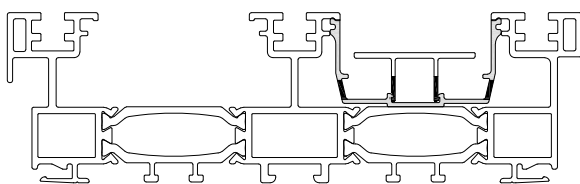
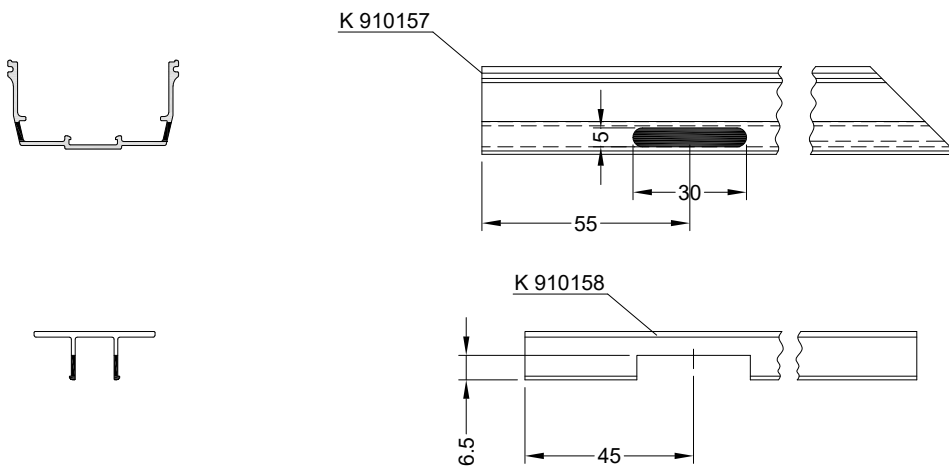
Schema E1 dargestellt  
 Schema E1 shown



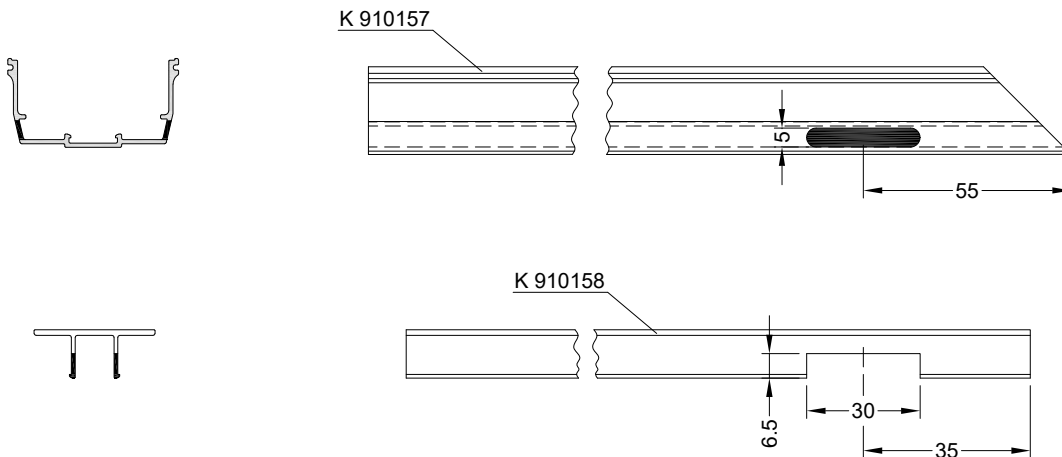
Schema E2 spiegelbildlich  
 Schema E2 mirror-inverted

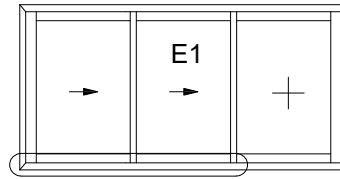


Z 981512

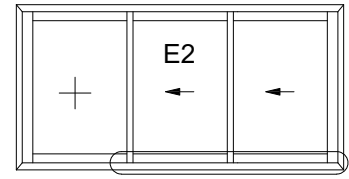


Z 981512

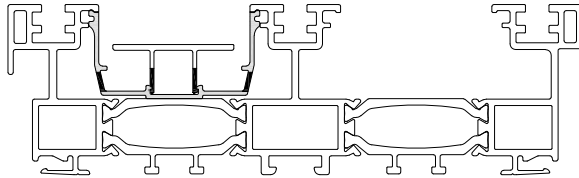




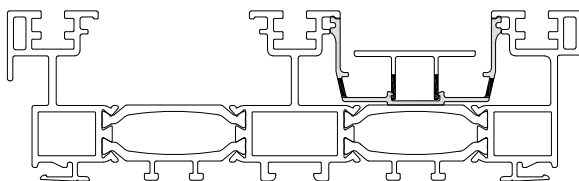
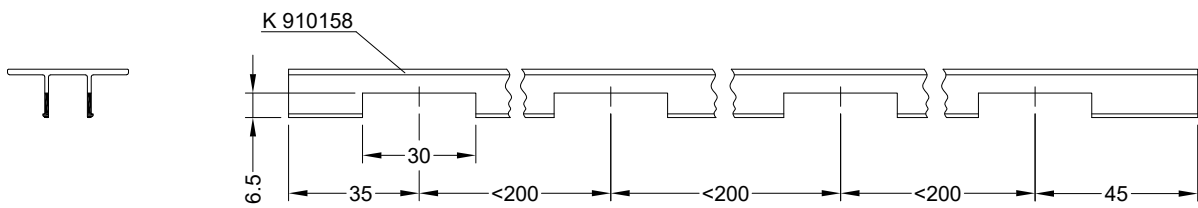
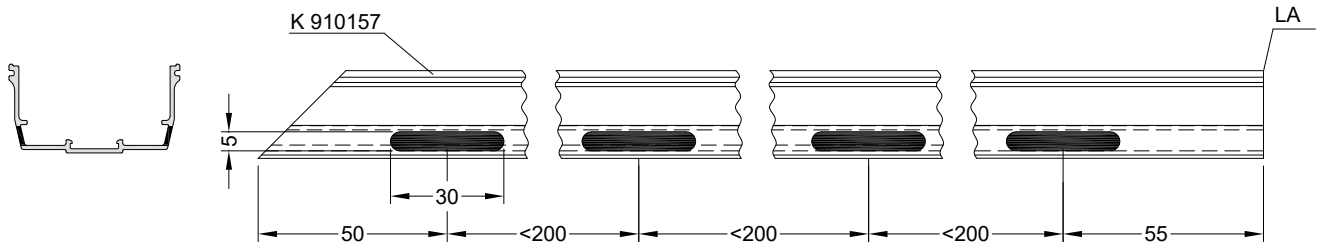
Schema E1 dargestellt  
 Scheme E1 shown



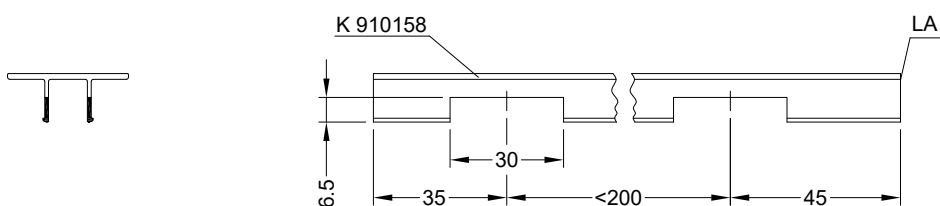
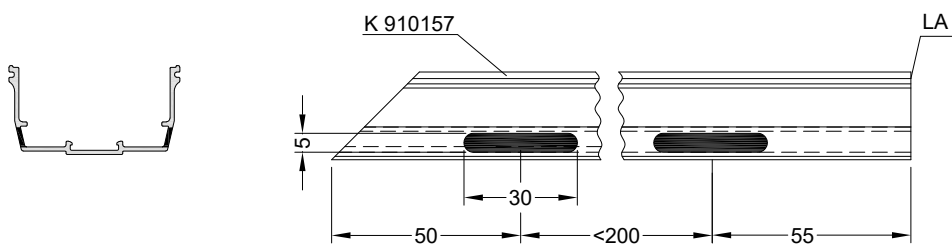
Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted



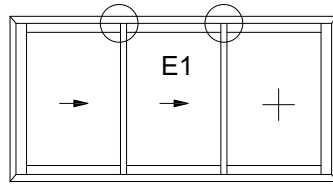
Z 981512



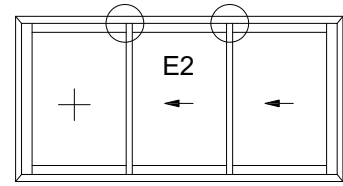
Z 981512



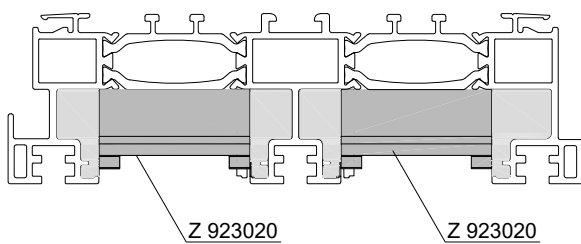
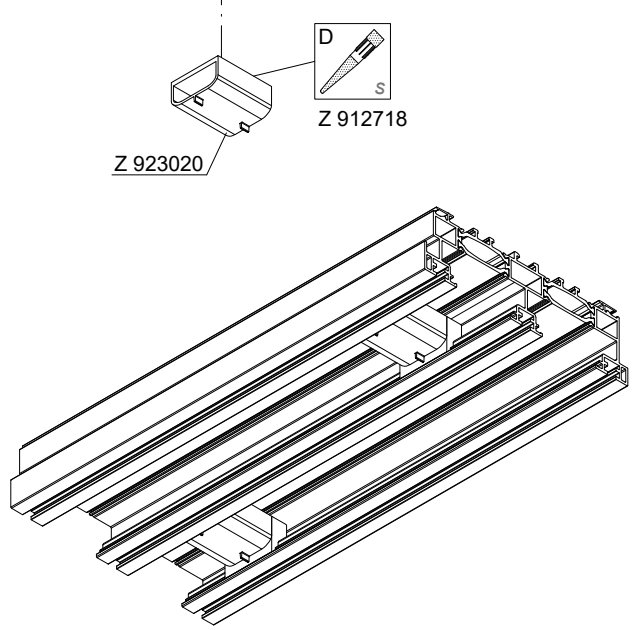
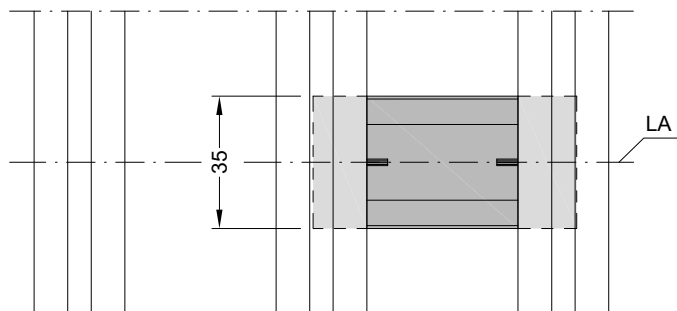
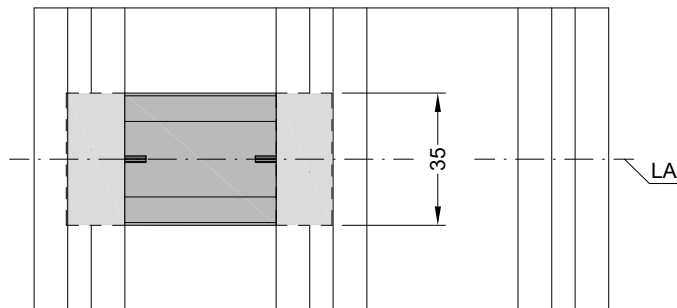
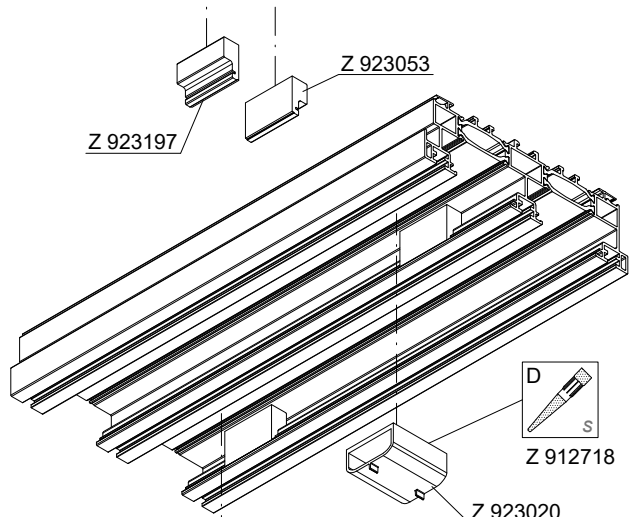
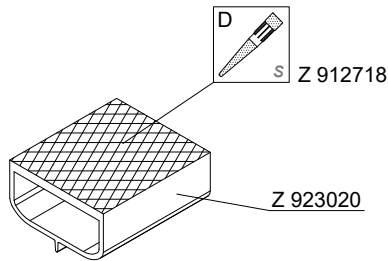
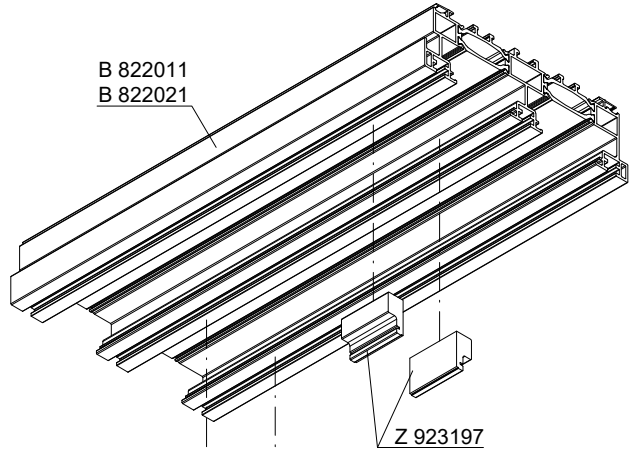
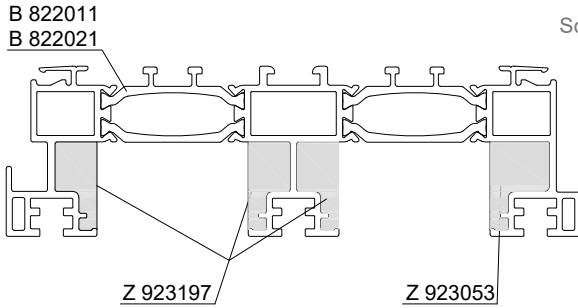
RAHMENMONTAGE  
 FRAME ASSEMBLY



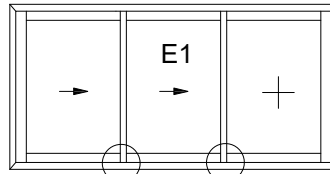
Schema E1 dargestellt  
 Scheme E1 shown



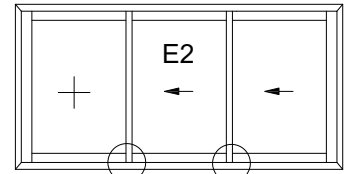
Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted



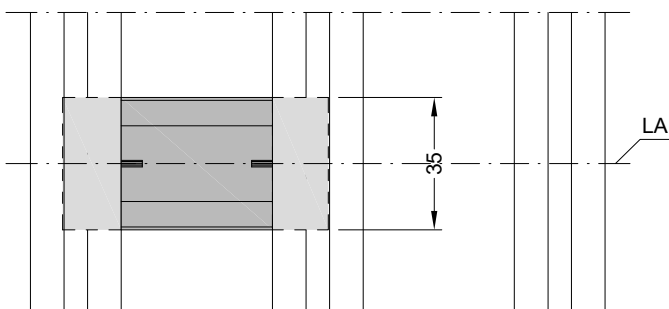
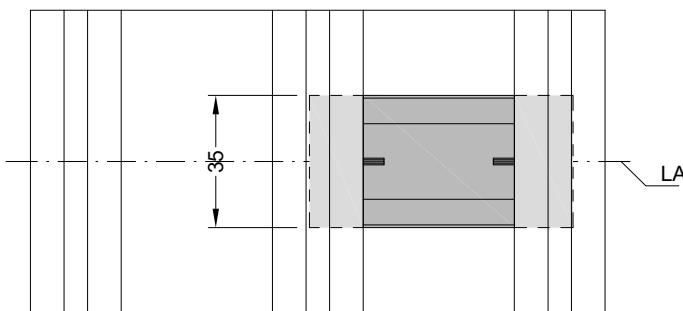
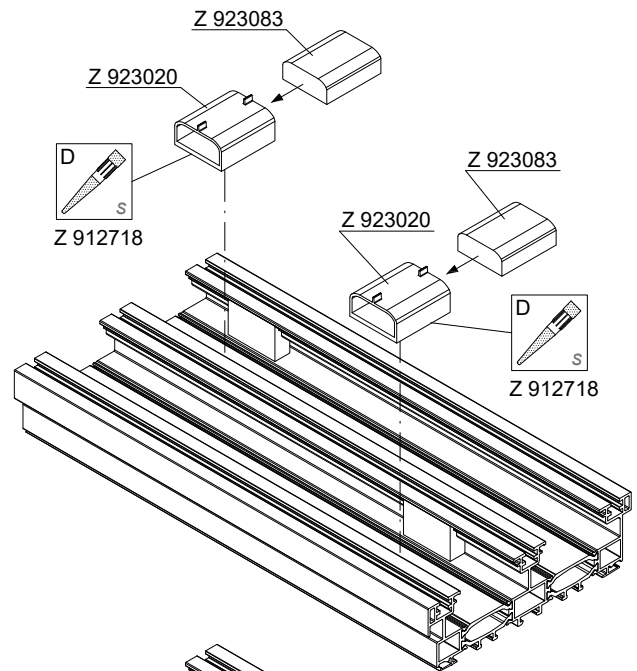
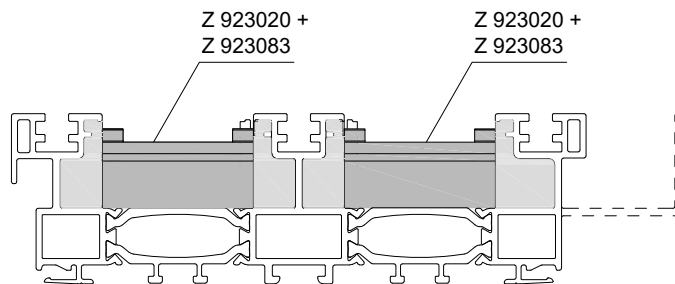
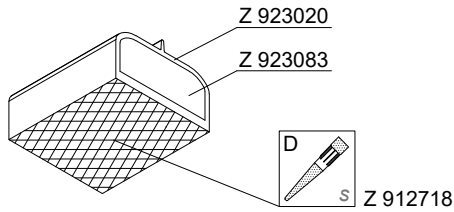
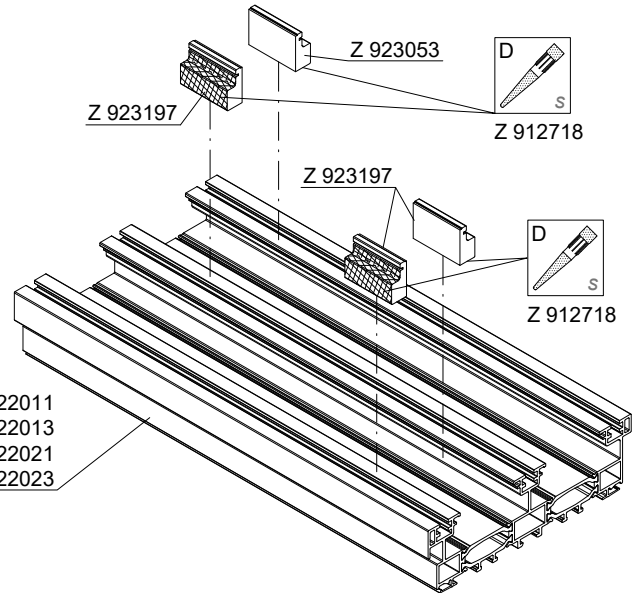
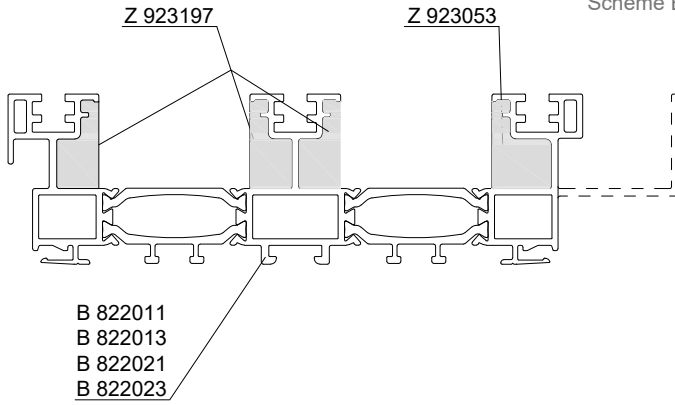
RAHMENMONTAGE  
 FRAME ASSEMBLY



Schema E1 dargestellt  
 Scheme E1 shown

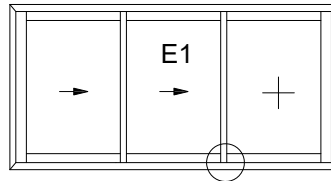


Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted

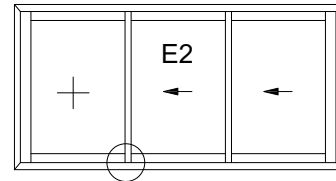


2D  
 Schema E  
 Schema E

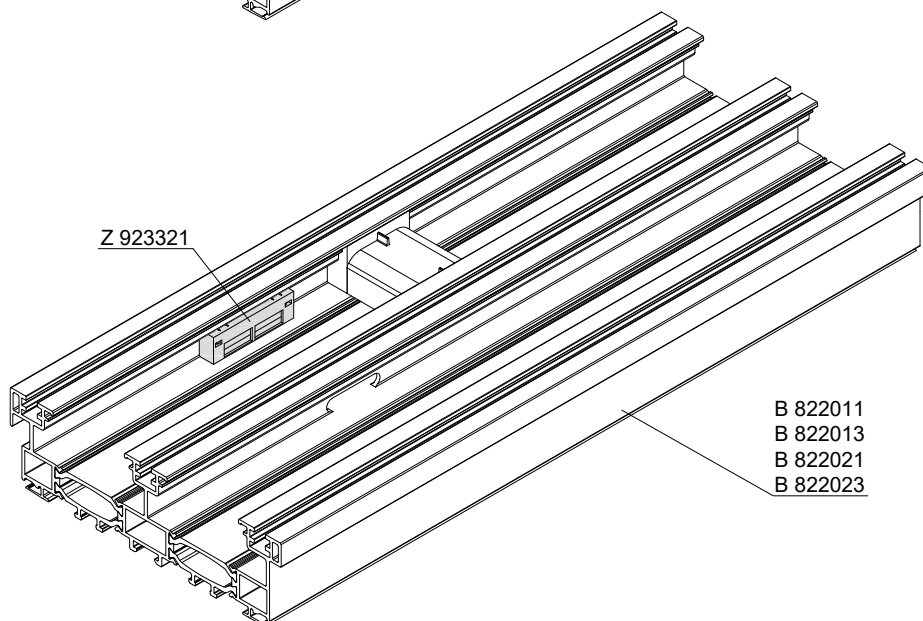
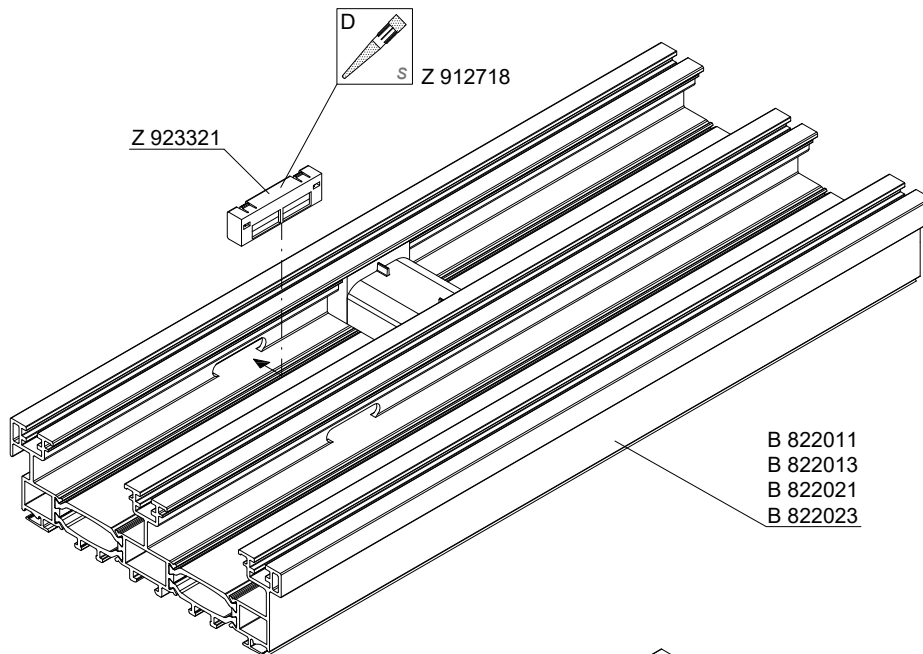
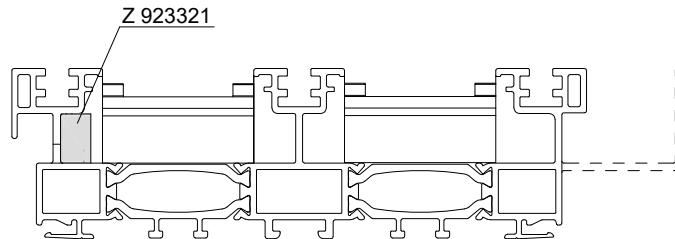
RAHMENMONTAGE  
FRAME ASSEMBLY



Schema E1 dargestellt

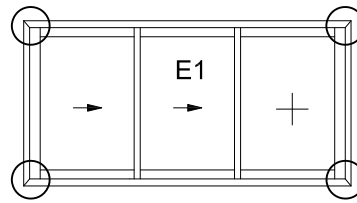
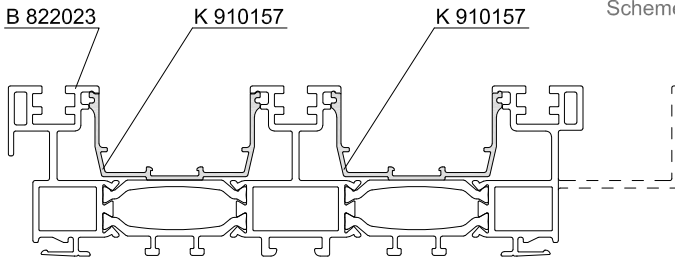


Schema E2 spiegelbildlich

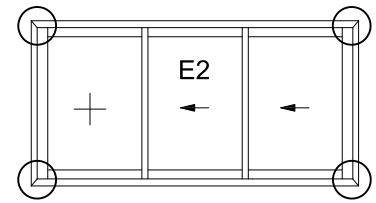


RAHMENMONTAGE  
FRAME ASSEMBLY

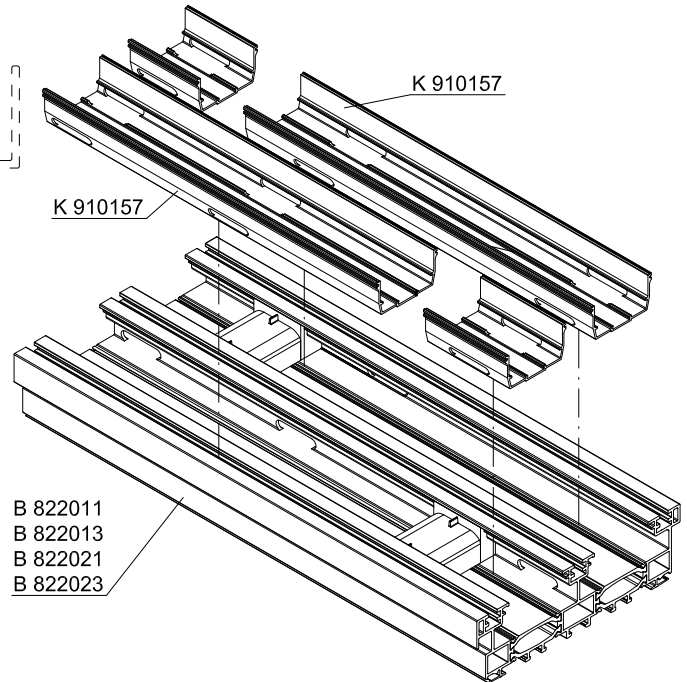
B 822011  
B 822013  
B 822021  
B 822023



Schema E1 dargestellt  
Schema E1 shown



Schema E2 spiegelbildlich  
Schema E2 mirror-inverted



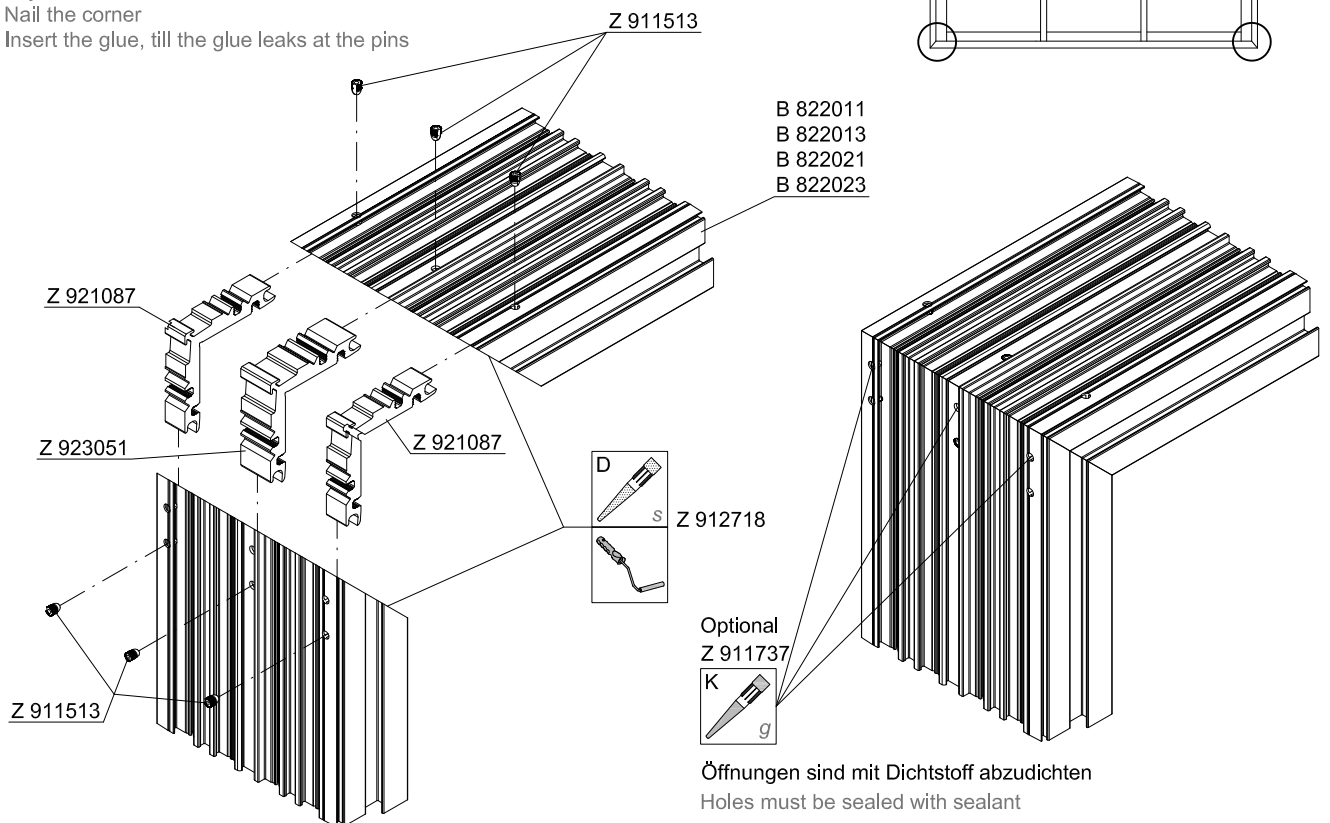
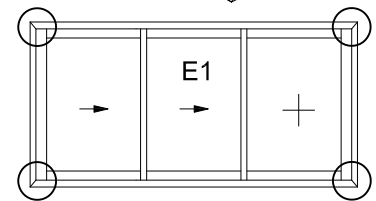
B 822011  
B 822013  
B 822021  
B 822023

**Bearbeitungsschritte**

1. K 910157 umlaufend eindrücken
2. Schnittflächen versiegeln
3. Falls keine nachträgliche Verklebung vorgesehen ist, müssen vor dem Fügen alle Profilinnenflächen im Eckbereich mit HUECK Metallkleber bestrichen werden
4. Eckverbinder einschieben
5. Rahmen fügen (erst Innen-, dann Außenkammer)
6. Ecke ausrichten
7. Ecke verstiften
8. Kleber einspritzen, bis der Kleber an den Stiften austritt

**Processing steps**

1. Insert K 910157 circumferential
2. Seal the cut surfaces
3. If there is no subsequent gluing planned, all inner profile surfaces at the corner area must be applied with HUECK metal glue before joining
4. Slide in the corner bracket
5. Join the frame (Internal chamber at first, then external)
6. Adjust the corner
7. Nail the corner
8. Insert the glue, till the glue leaks at the pins



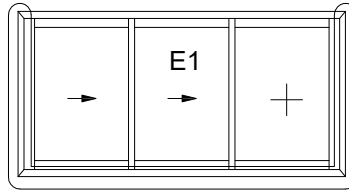
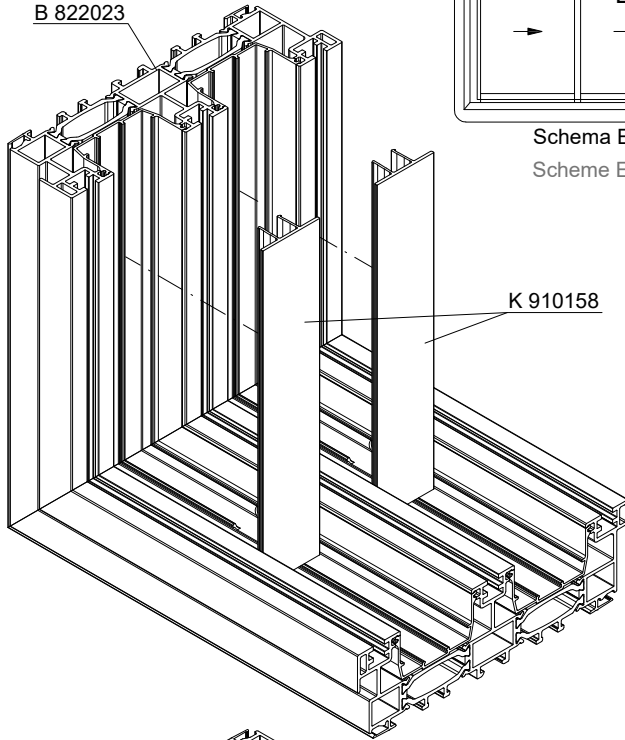
Optional  
Z 911737

Öffnungen sind mit Dichtstoff abzudichten  
Holes must be sealed with sealant

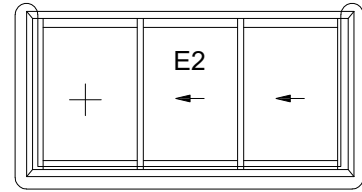
2D  
Schema E  
Schema E

RAHMENMONTAGE  
FRAME ASSEMBLY

B 822011  
B 822013  
B 822021  
B 822023

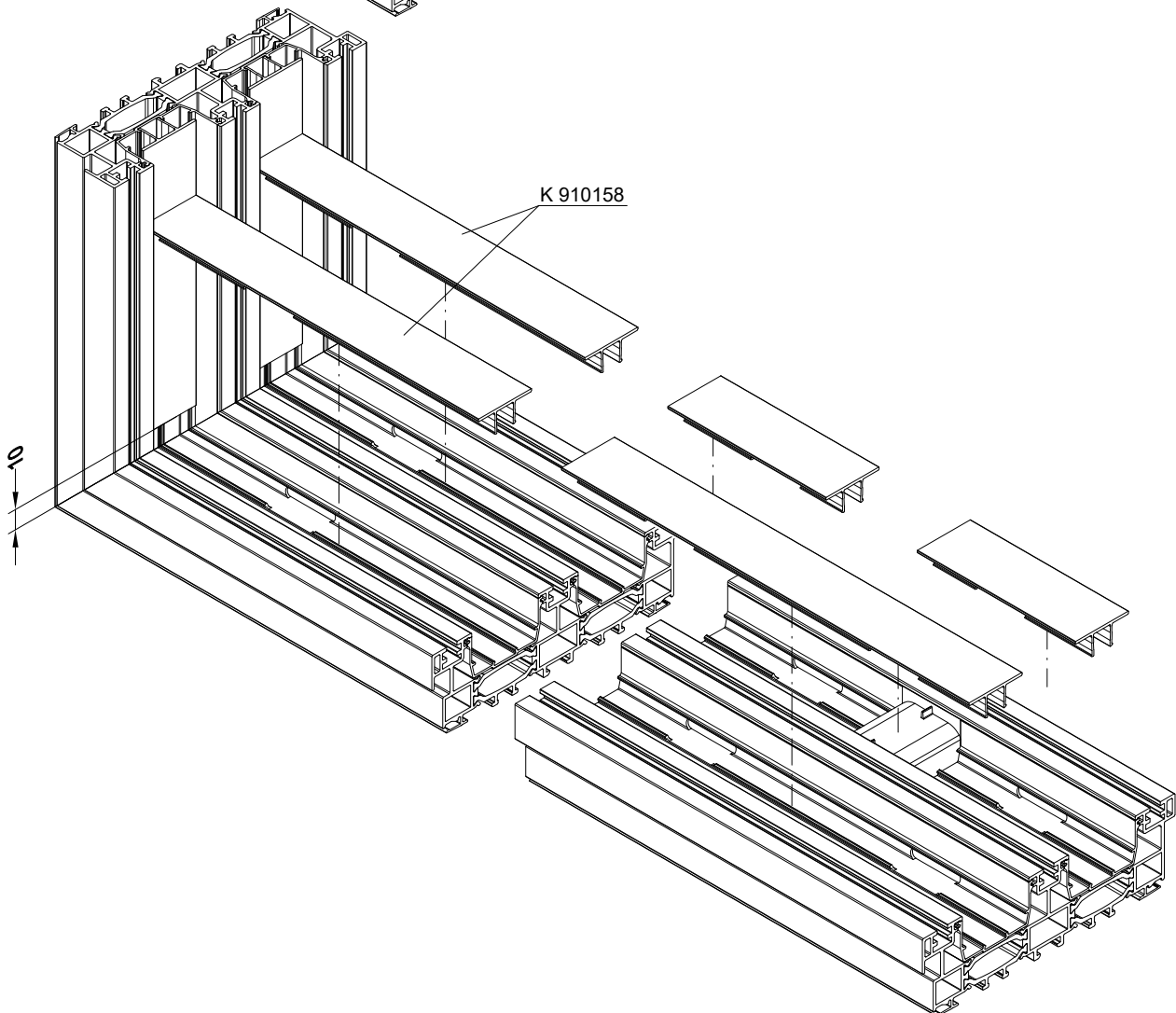


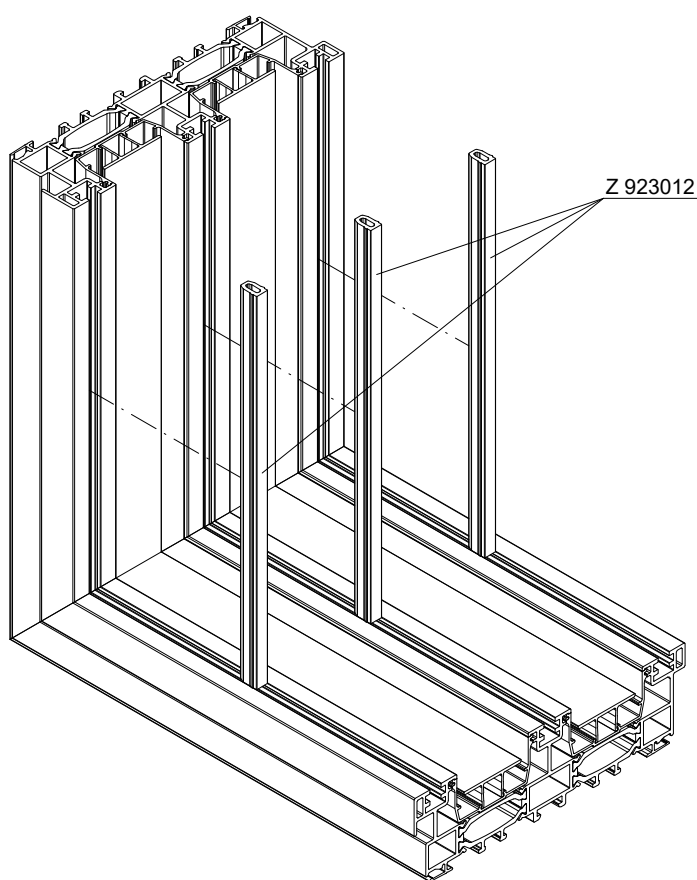
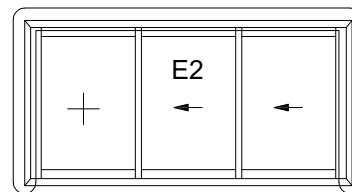
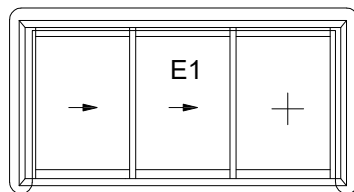
Schema E1 dargestellt  
Scheme E1 shown



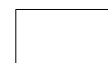
Schema E2 spiegelbildlich  
Scheme E2 mirror-inverted

Dreiseitig  
Three-sided





Dreiseitig  
 Three-sided



**Bearbeitungsschritte**

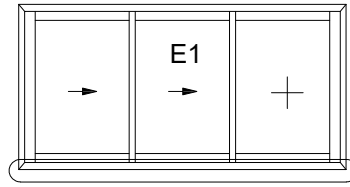
1. Schließteile einbauen und positionieren  
 (siehe Kapitel Beschlageinbau)
2. Dichtungen einziehen

**Processing steps**

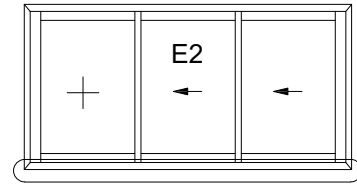
1. Install and position the locking parts  
 (see chapter fitting installation)
2. Insert the gaskets



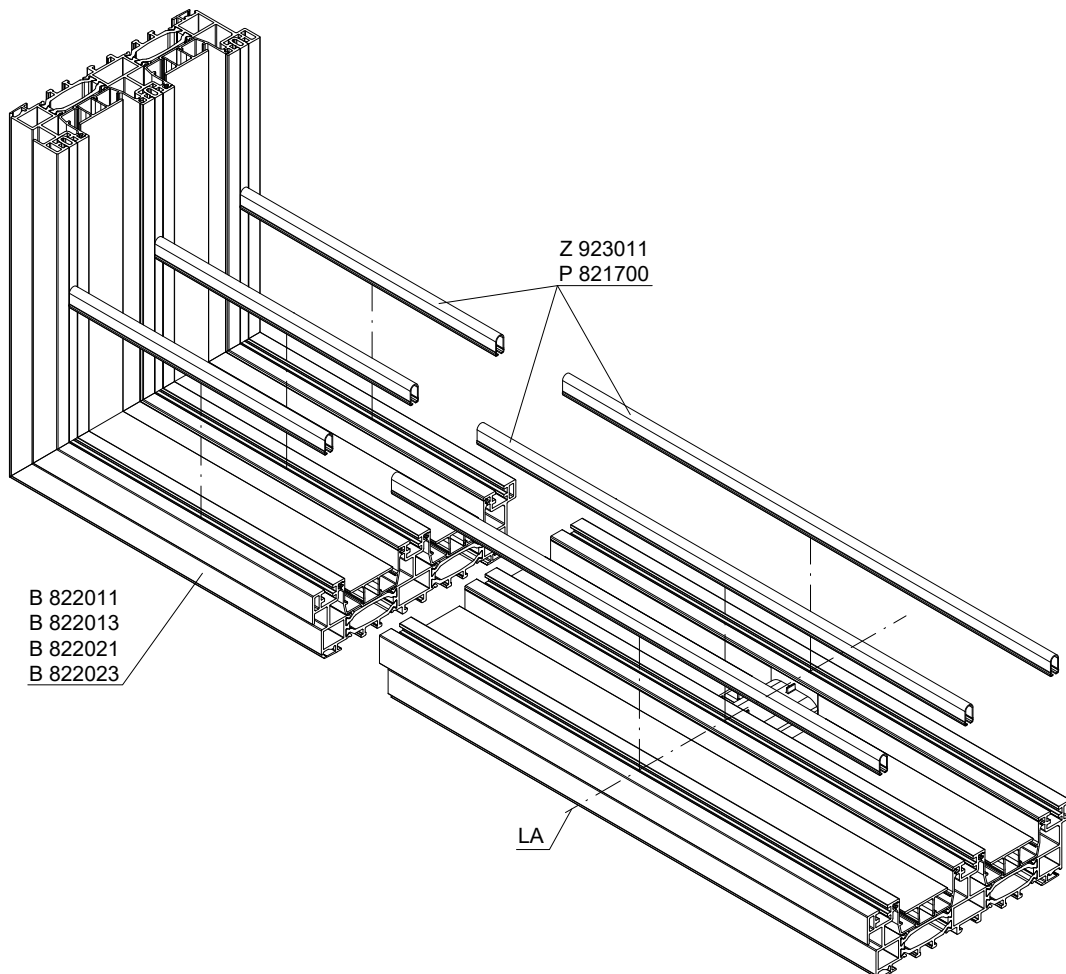
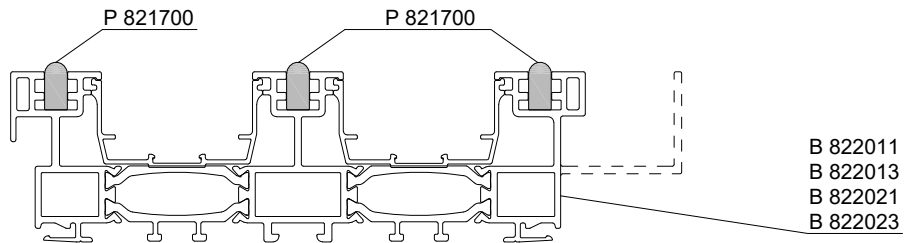
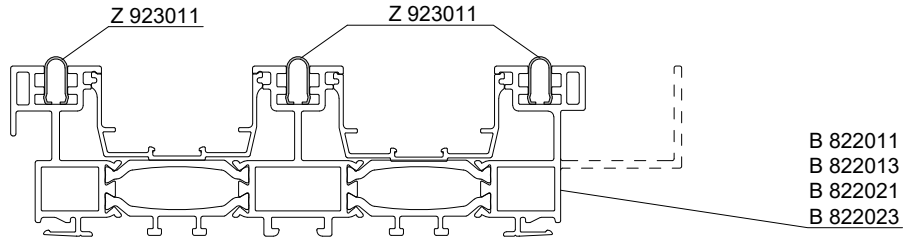
RAHMENMONTAGE  
 FRAME ASSEMBLY

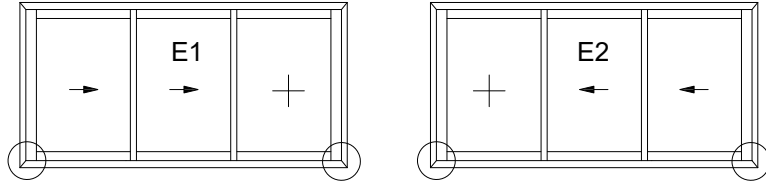


Schema E1 dargestellt  
 Scheme E1 shown

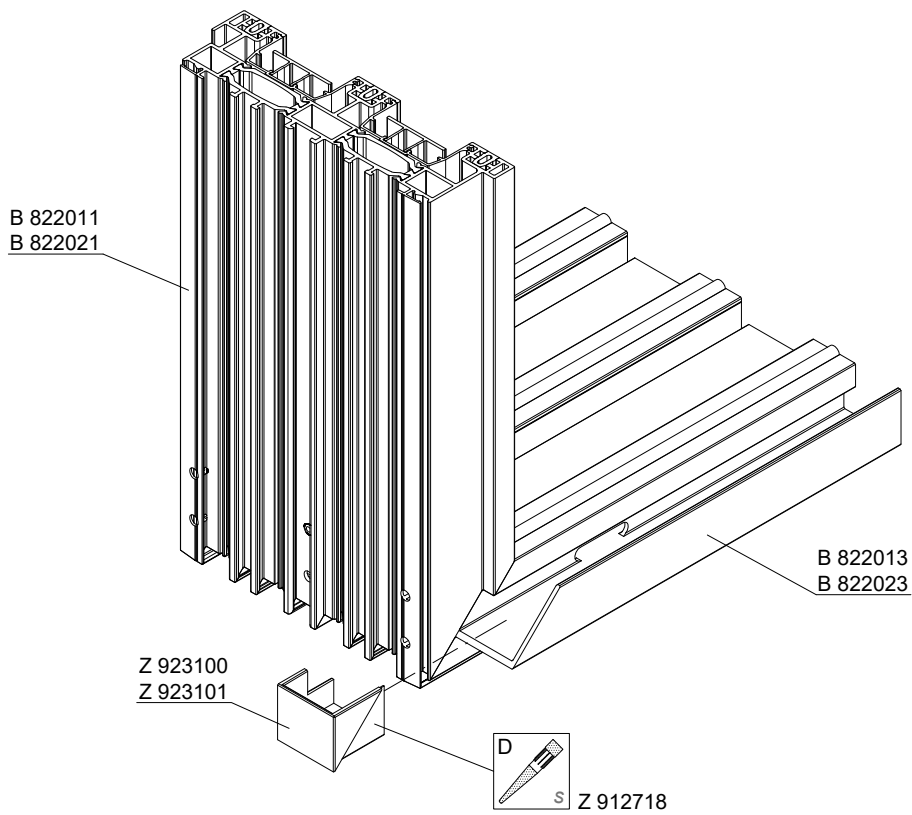


Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted

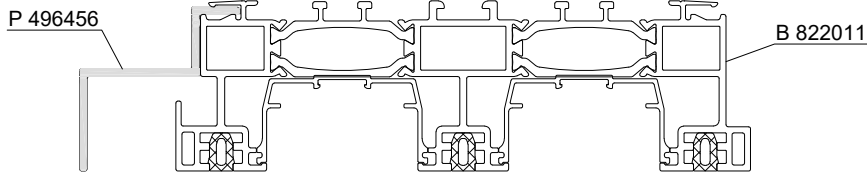
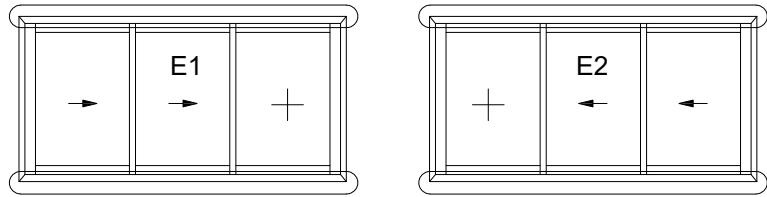




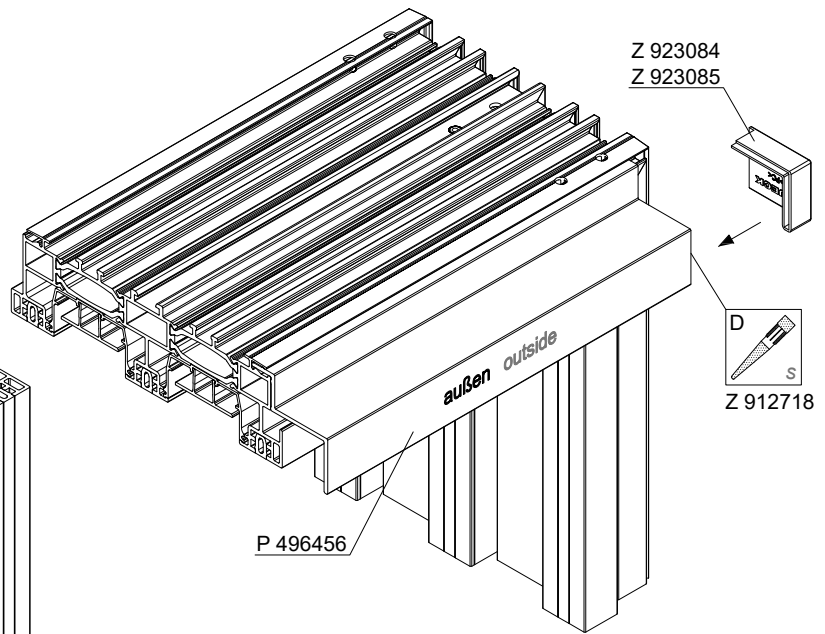
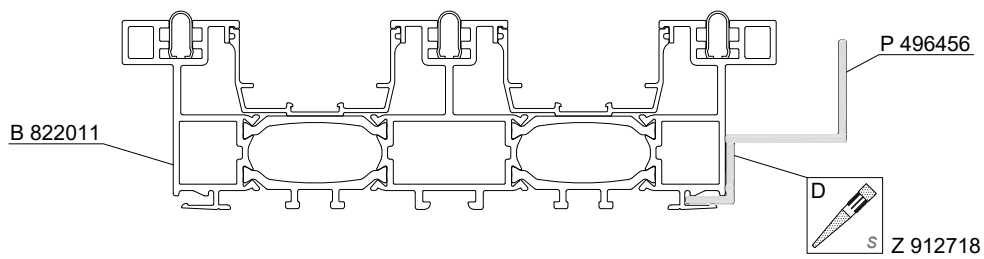
Nur bei B 822013 / B 822023  
 Only at B 822013 / B822023



RAHMENMONTAGE  
FRAME ASSEMBLY



Optional

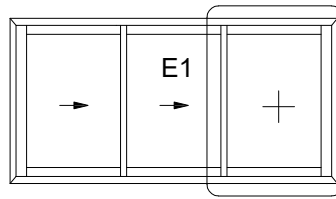


Z 923084  
Z 923085

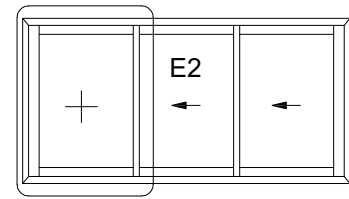
Z 912718

P 496456

innen  
inside



Schema E1 dargestellt  
 Scheme E1 shown



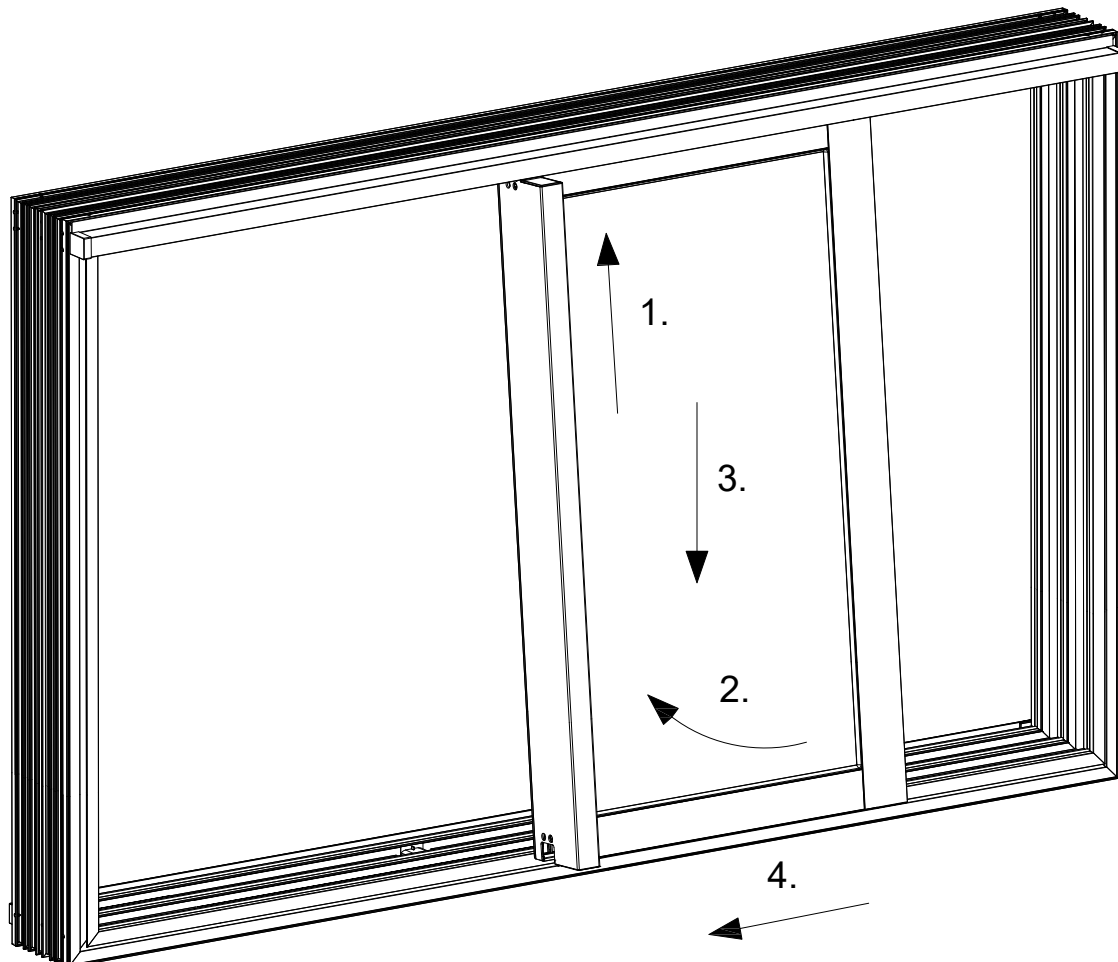
Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted

**Bearbeitungsschritte**

1. Äußeren Flügel montieren  
 (Siehe Kapitel Verarbeitung / Montage Flügel)
2. Äußeren Flügel einhängen

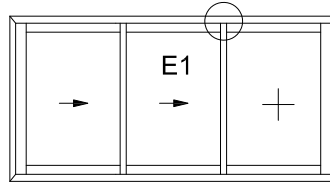
**Processing steps**

1. Assemble the outer sash  
 (see chapter processing / assembly sash)
2. Insert the outer sash

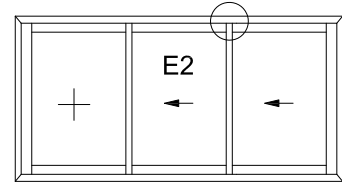


Ansicht von Außen  
 Outside view

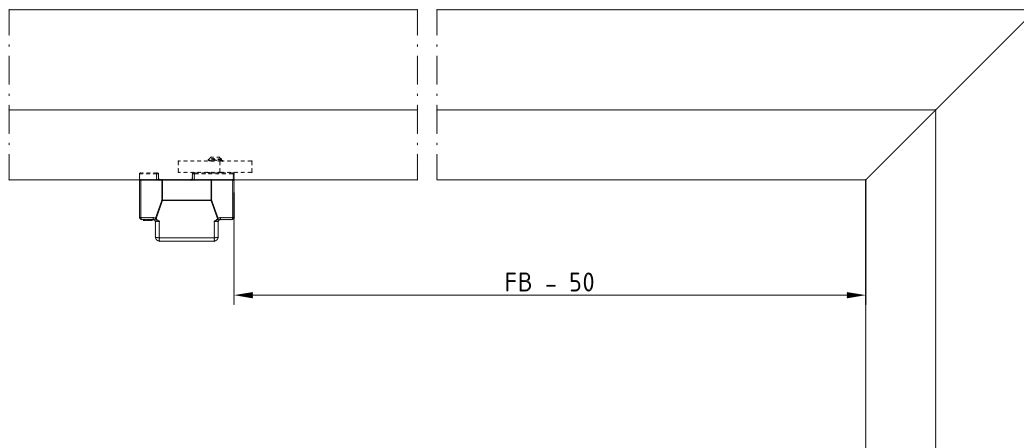
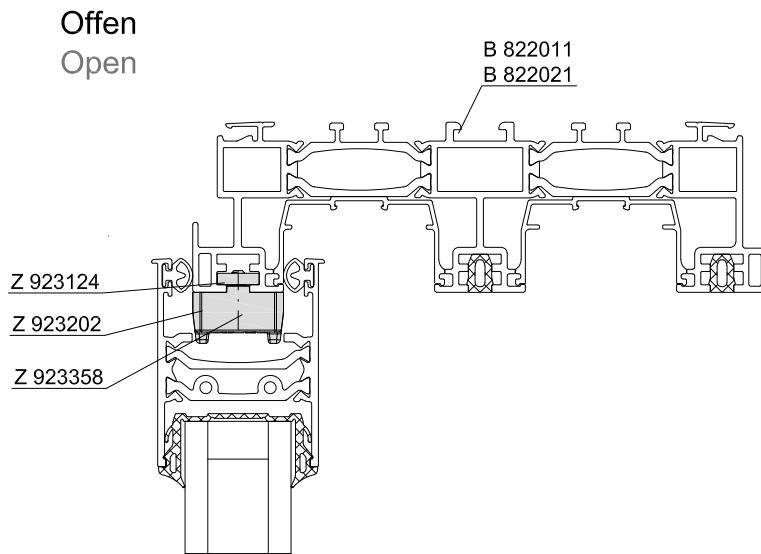
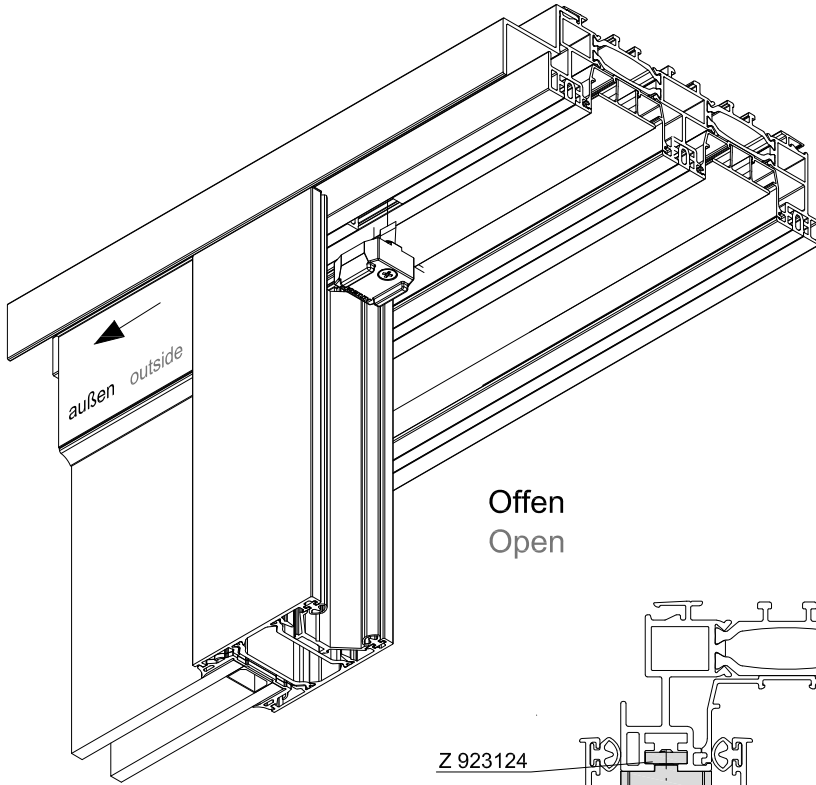
FLÜGELMONTAGE  
 SASH ASSEMBLY



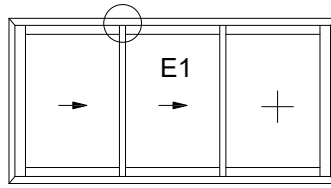
Schema E1 dargestellt  
 Scheme E1 shown



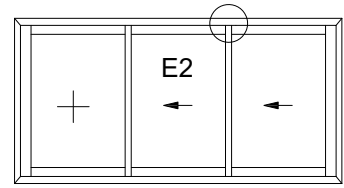
Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted



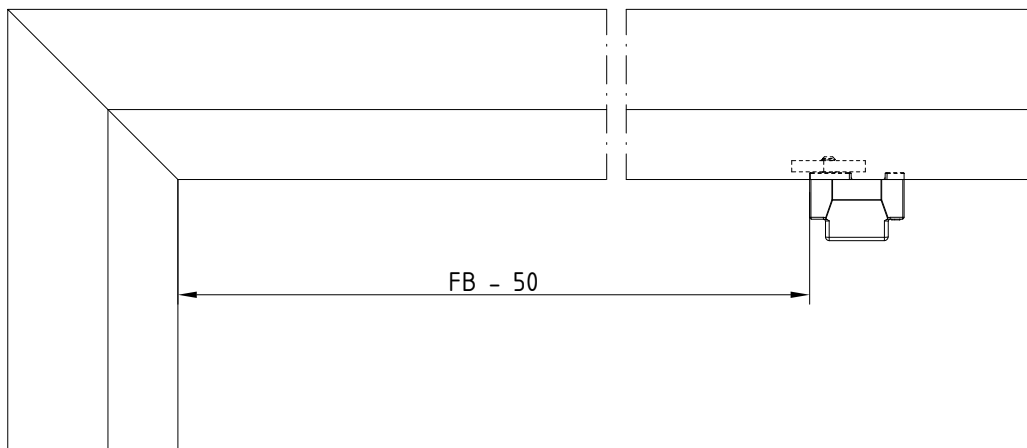
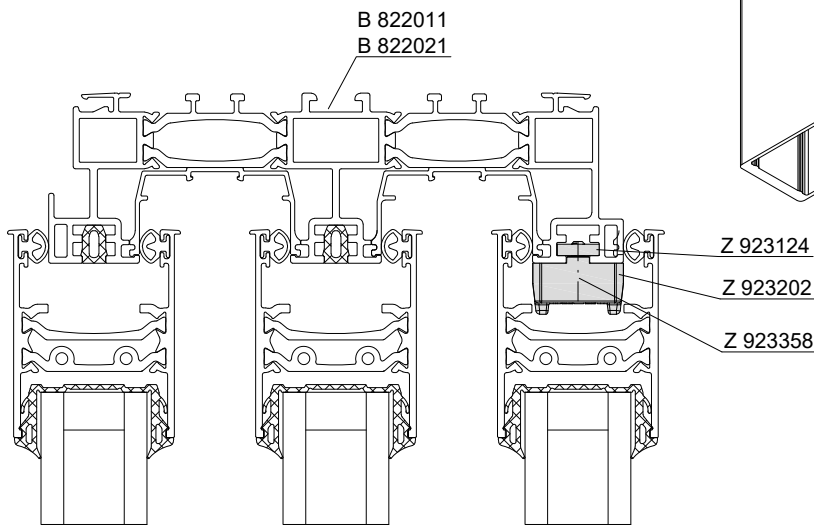
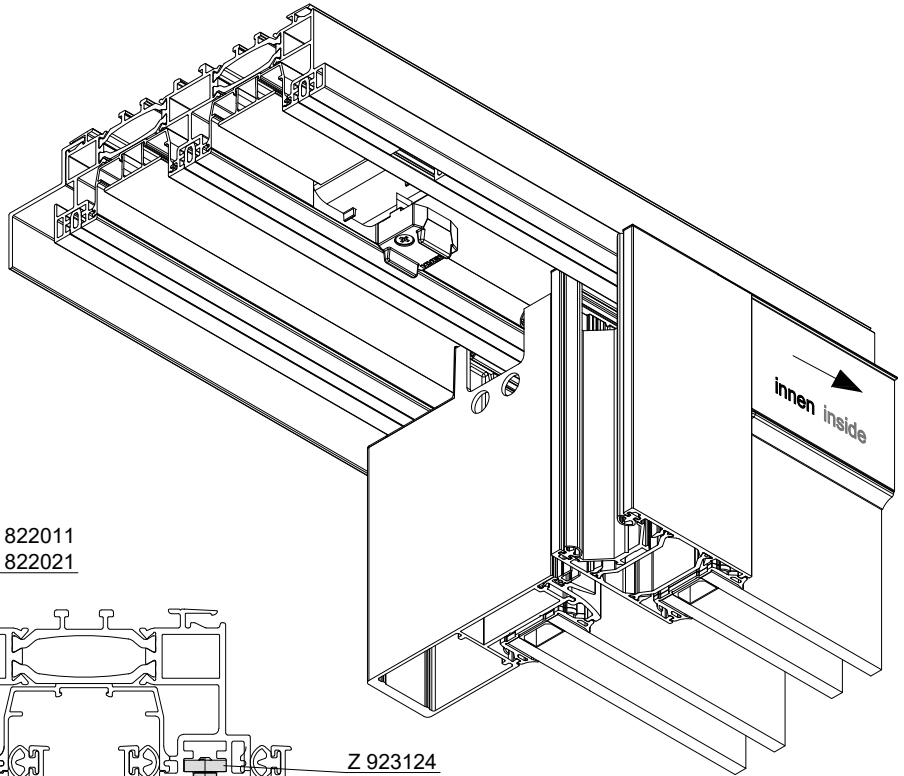
FLÜGELMONTAGE  
 SASH ASSEMBLY



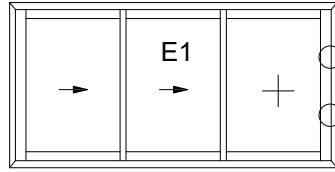
Schema E1 dargestellt  
 Scheme E1 shown



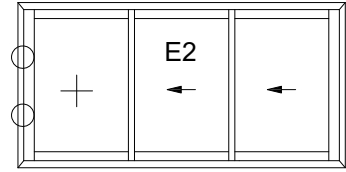
Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted



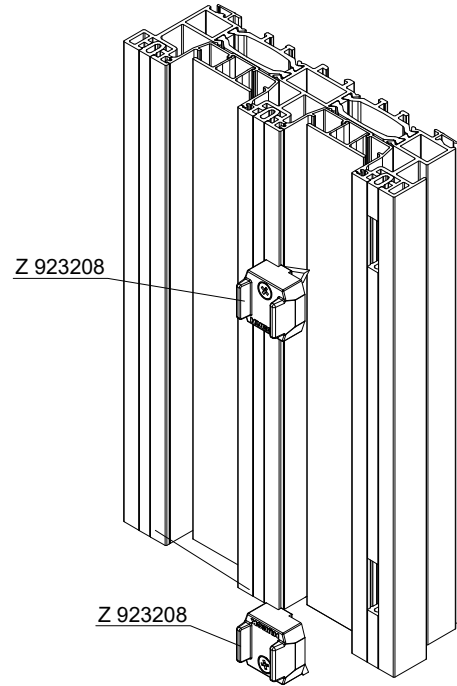
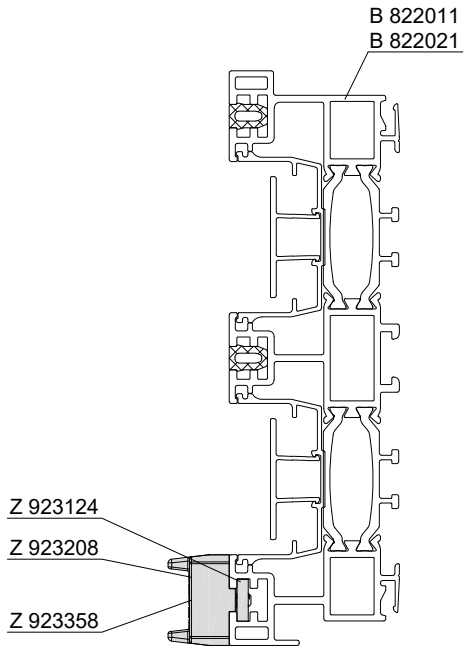
FLÜGELMONTAGE  
SASH ASSEMBLY



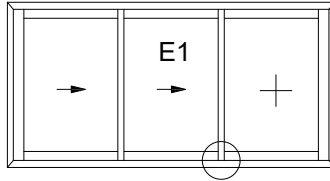
Schema E1 dargestellt  
Scheme E1 shown



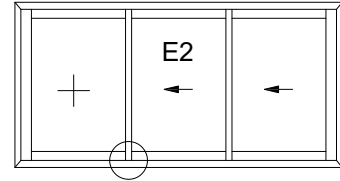
Schema E2 spiegelbildlich  
Scheme E2 mirror-inverted



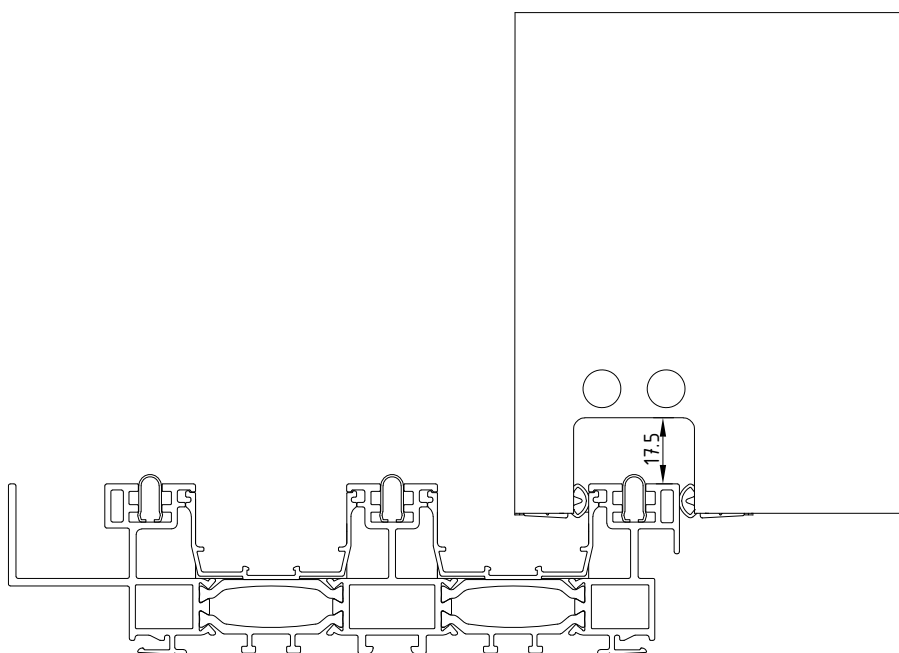
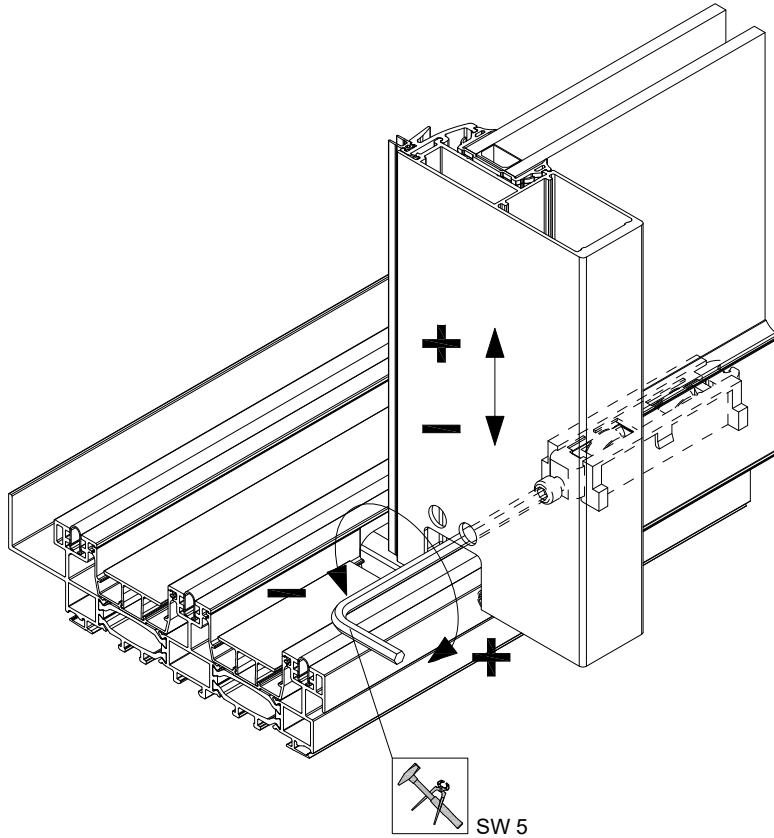
FLÜGELMONTAGE  
 SASH ASSEMBLY



Schema E1 dargestellt  
 Scheme E1 shown

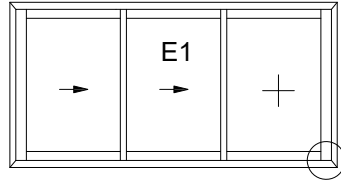


Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted

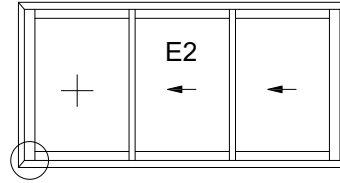




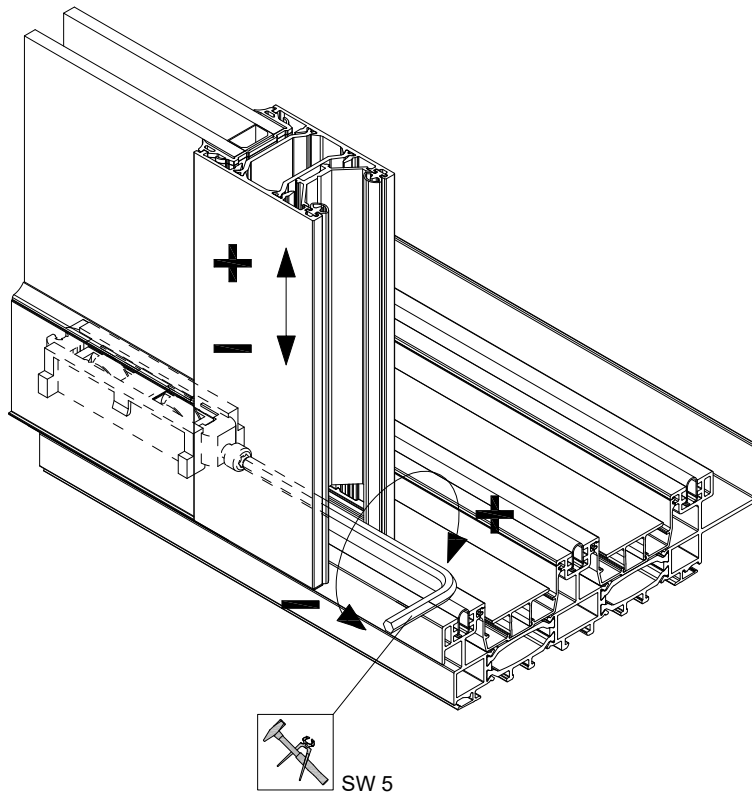
FLÜGELMONTAGE  
SASH ASSEMBLY



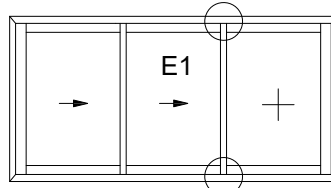
Schema E1 dargestellt  
Scheme E1 shown



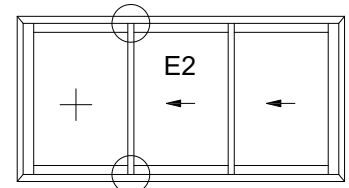
Schema E2 spiegelbildlich  
Scheme E2 mirror-inverted



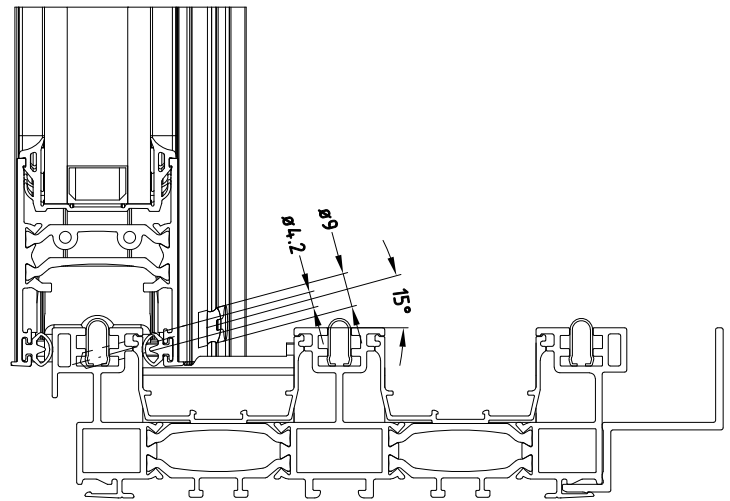
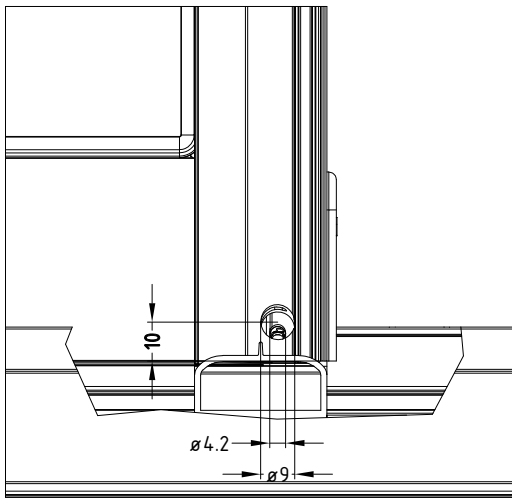
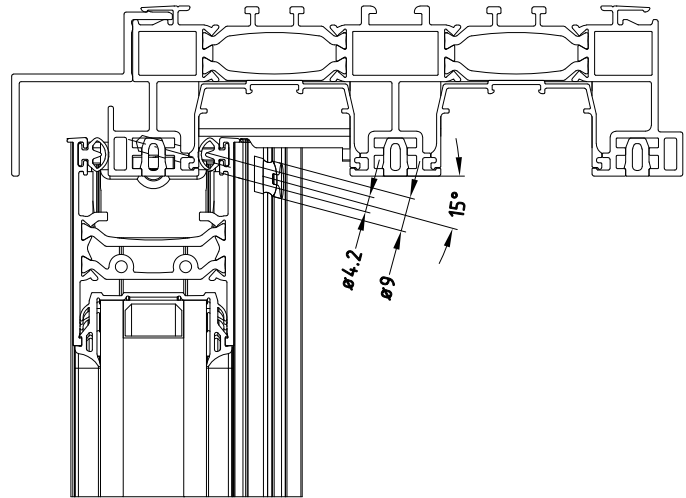
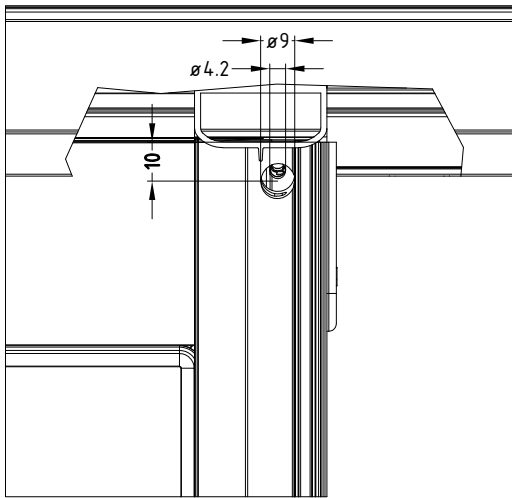
FLÜGELMONTAGE  
 SASH ASSEMBLY



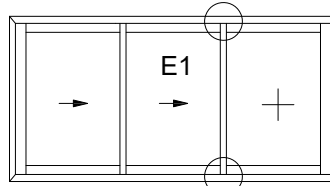
Schema E1 dargestellt  
 Scheme E1 shown



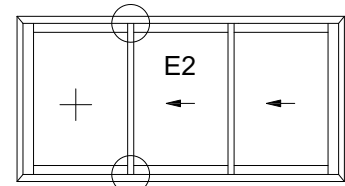
Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted



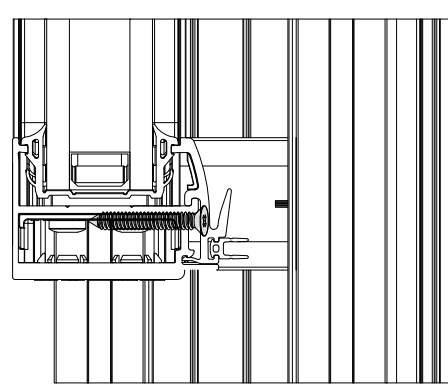
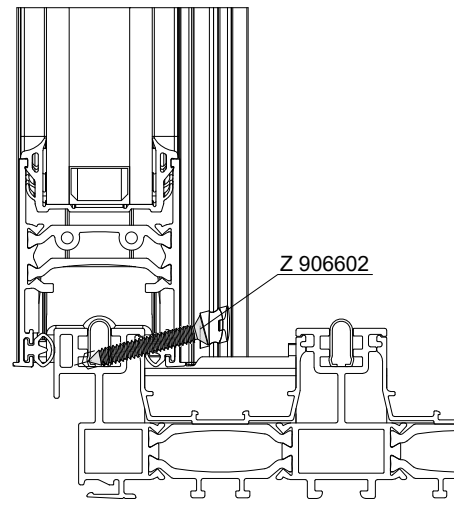
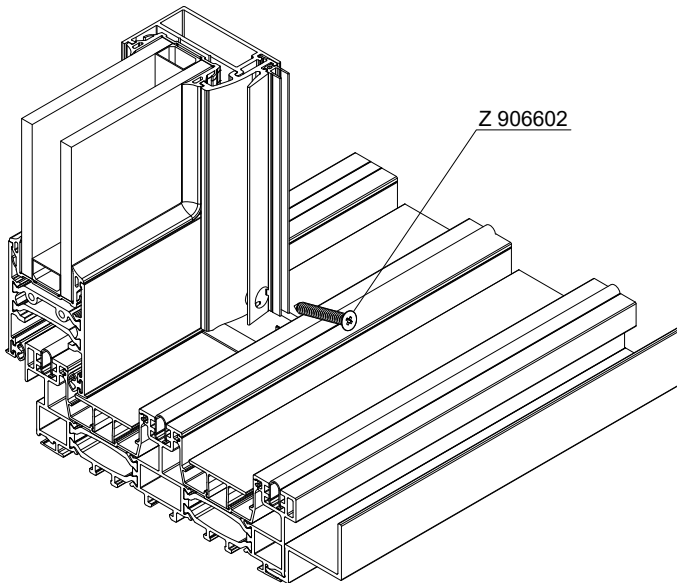
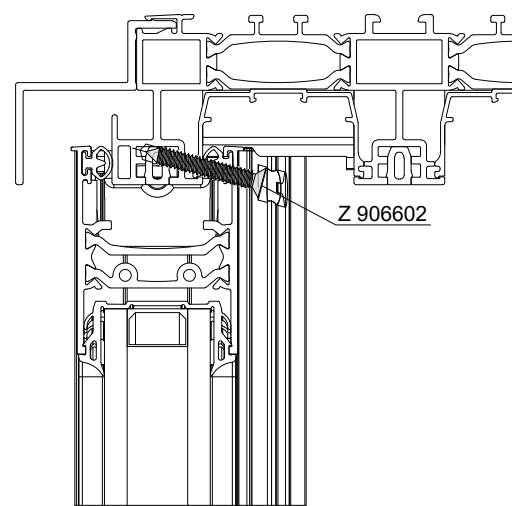
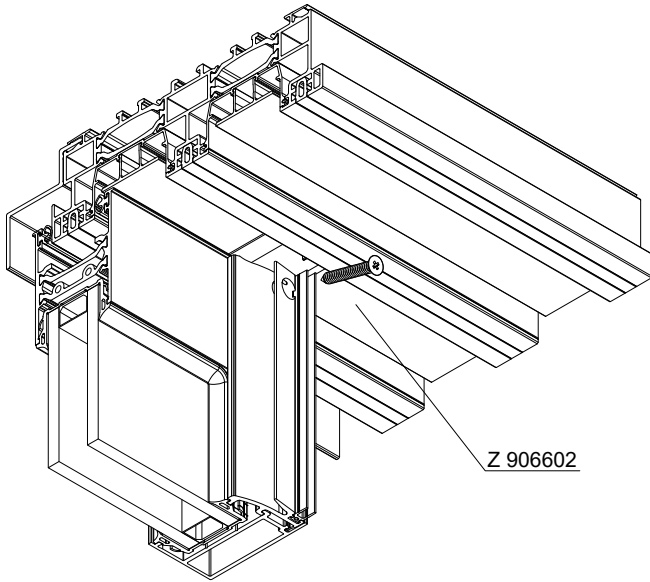
FLÜGELMONTAGE  
SASH ASSEMBLY

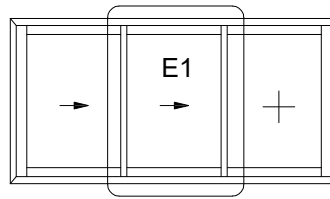


Schema E1 dargestellt  
Scheme E1 shown

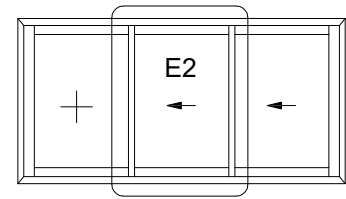


Schema E2 spiegelbildlich  
Scheme E2 mirror-inverted





Schema E1 dargestellt  
 Scheme E1 shown



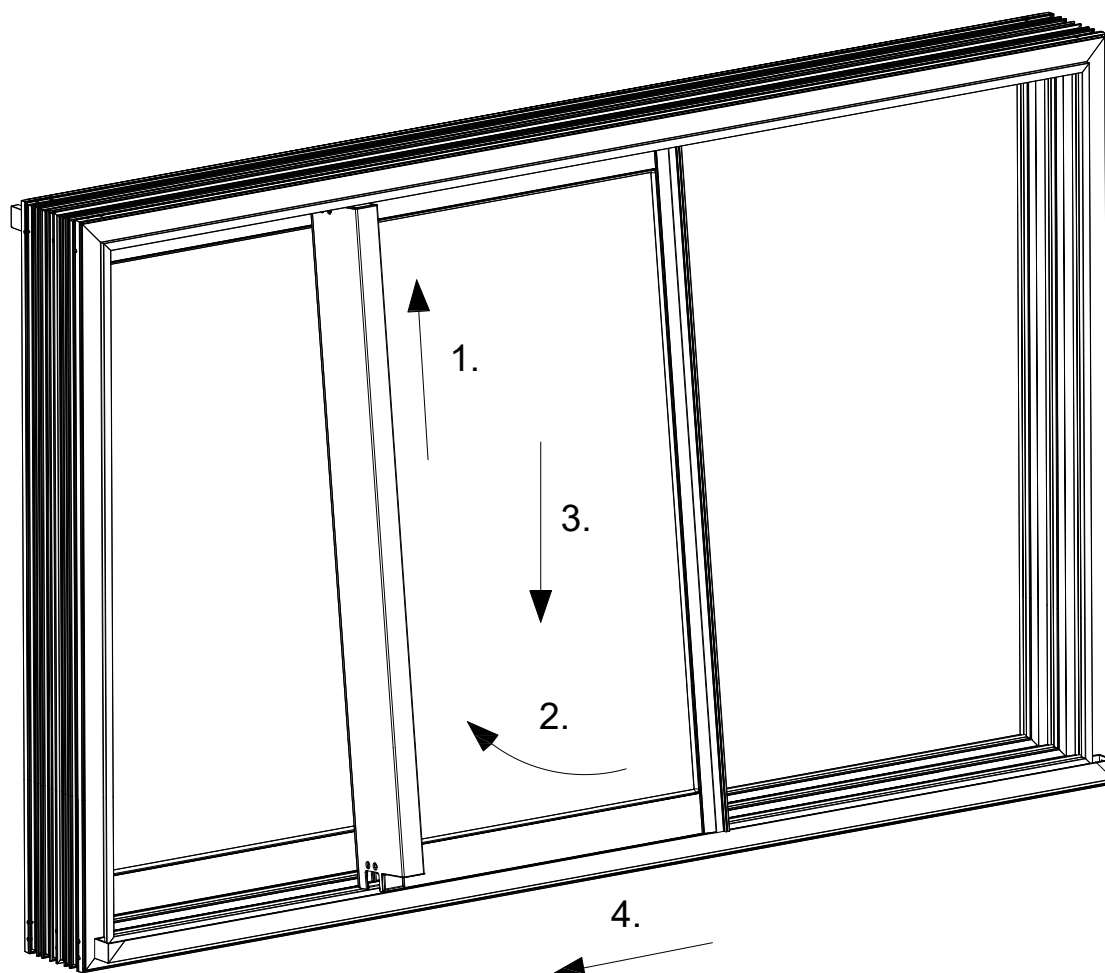
Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted

**Bearbeitungsschritte**

1. Mittleren Flügel montieren  
 (Siehe Kapitel Verarbeitung / Montage Flügel)
2. Mittleren Flügel einhängen

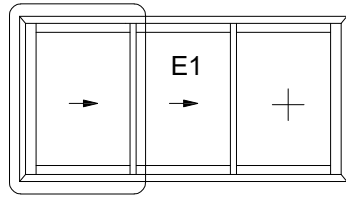
**Processing steps**

1. Assemble the middle sash  
 (see chapter processing / assembly sash)
2. Insert the middle sash

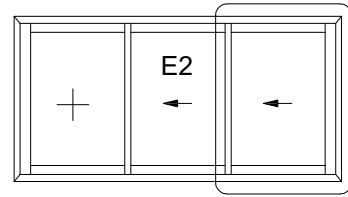


Ansicht von Innen  
 Inside view

FLÜGELMONTAGE  
SASH ASSEMBLY



Schema E1 dargestellt  
Scheme E1 shown



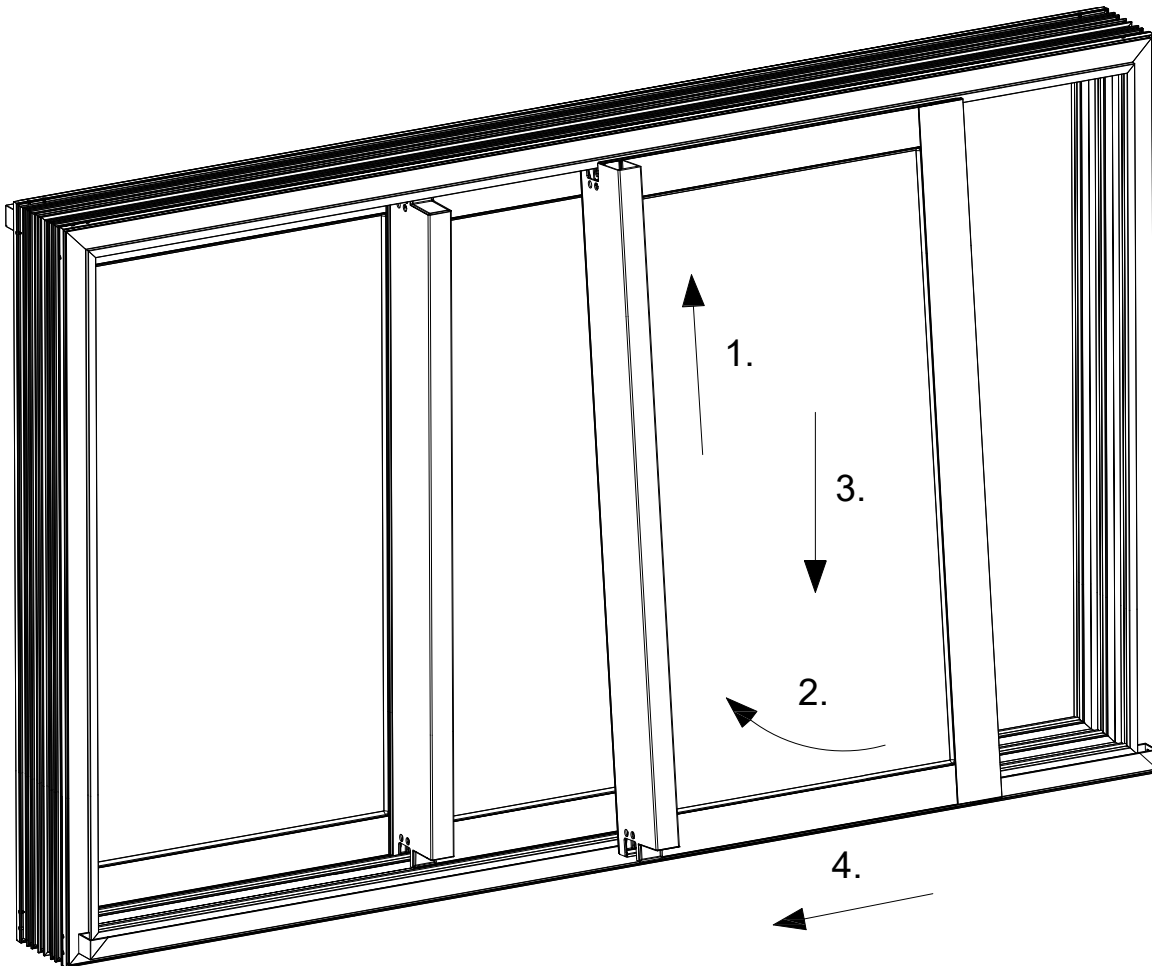
Schema E2 spiegelbildlich  
Scheme E2 mirror-inverted

**Bearbeitungsschritte**

1. Inneren Flügel montieren (Siehe Kapitel Verarbeitung und Montage Flügel)
2. Inneren Flügel einhängen

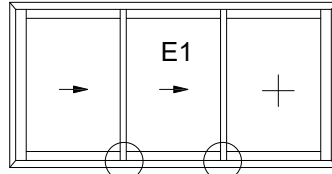
**Processing steps**

1. Assemble the inner sash (see chapter processing / assembly sash)
2. Insert the inner sash

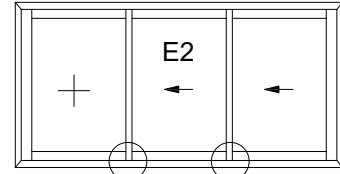


Ansicht von Innen  
Inside view

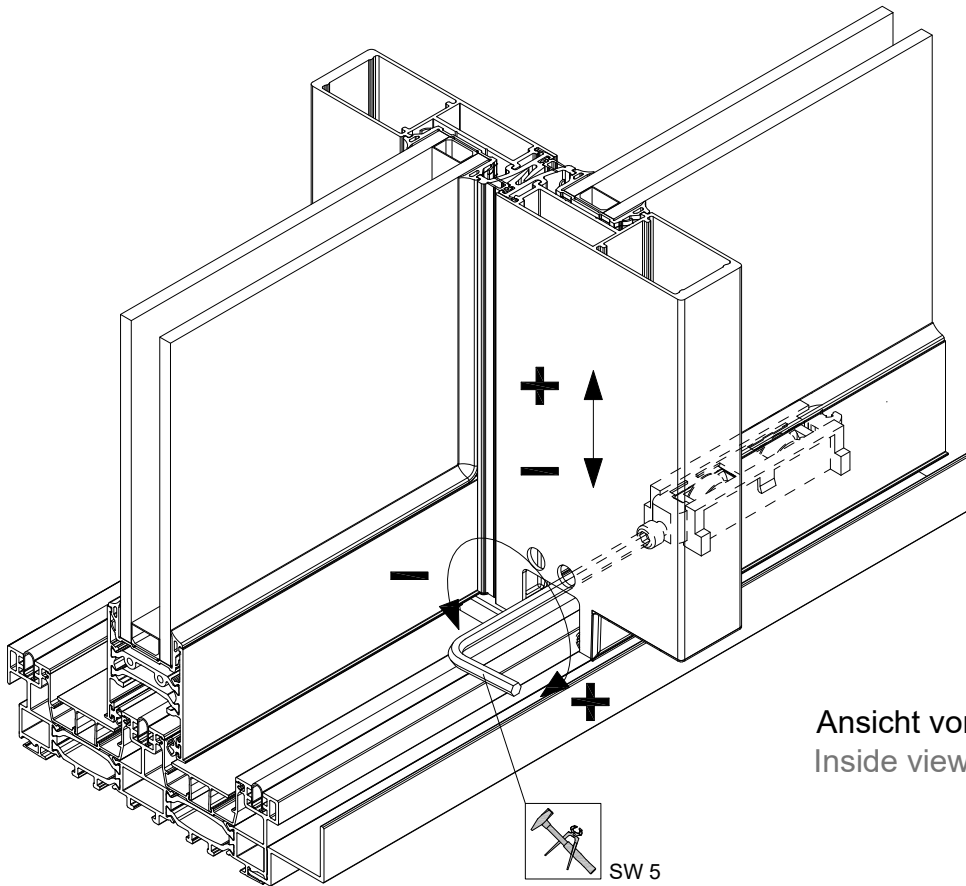
FLÜGELMONTAGE  
 SASH ASSEMBLY



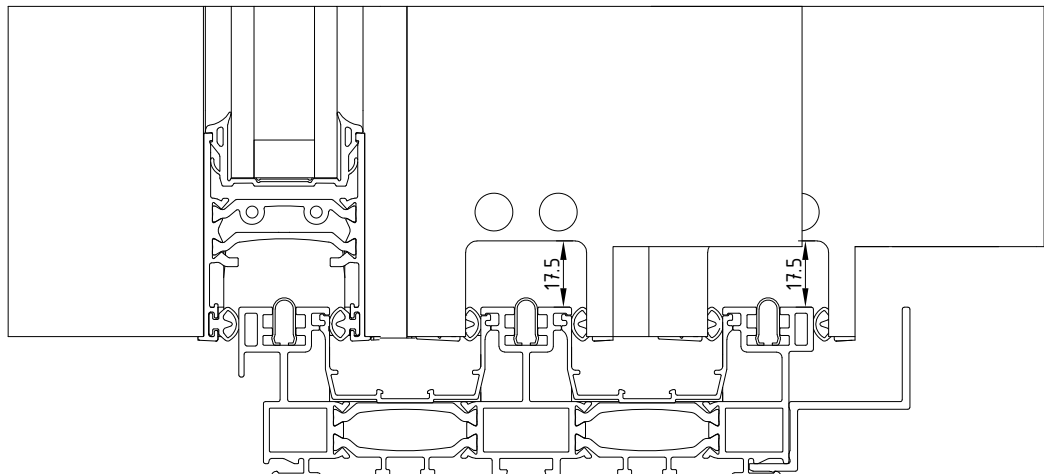
Schema E1 dargestellt  
 Scheme E1 shown



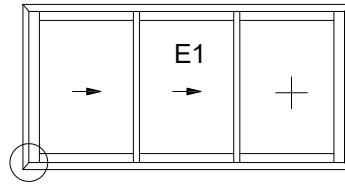
Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted



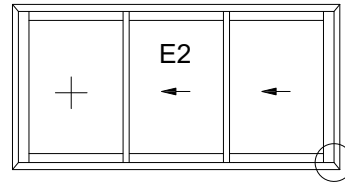
Ansicht von Innen  
 Inside view



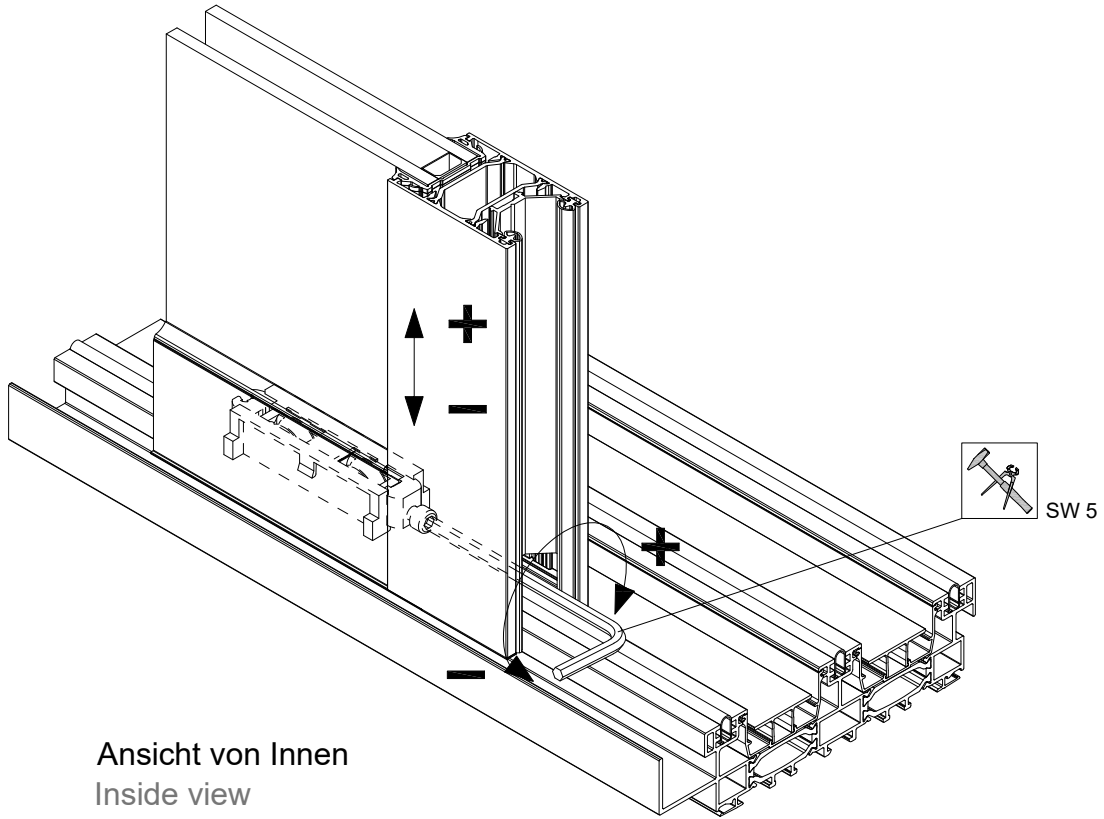
FLÜGELMONTAGE  
SASH ASSEMBLY



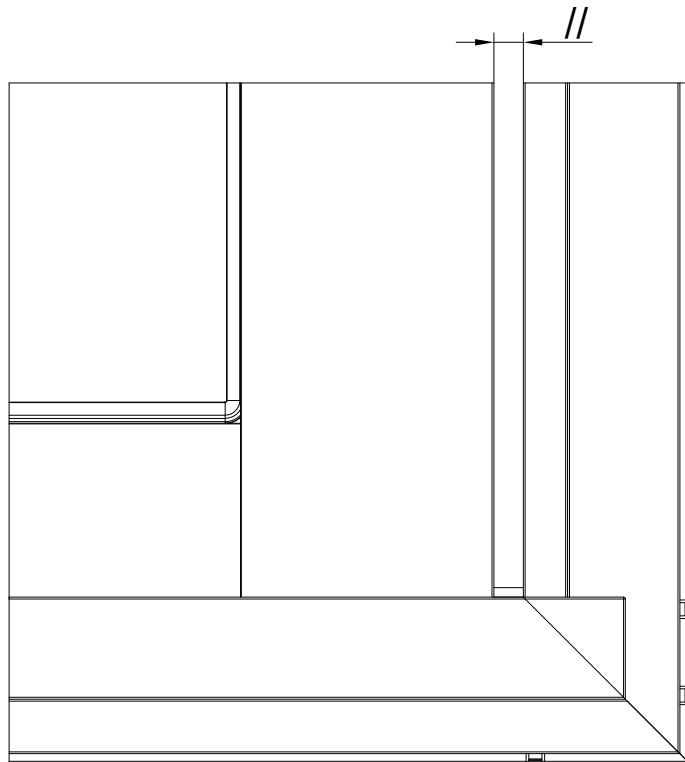
Schema E1 dargestellt  
Scheme E1 shown



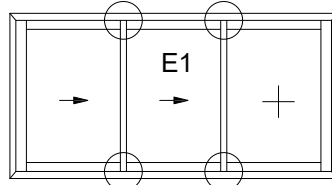
Schema E2 spiegelbildlich  
Scheme E2 mirror-inverted



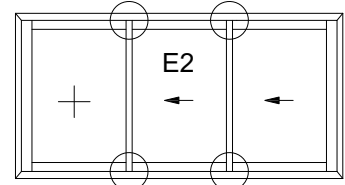
Ansicht von Innen  
Inside view



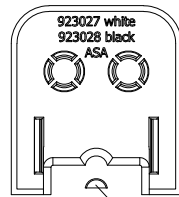
FLÜGELMONTAGE  
 SASH ASSEMBLY



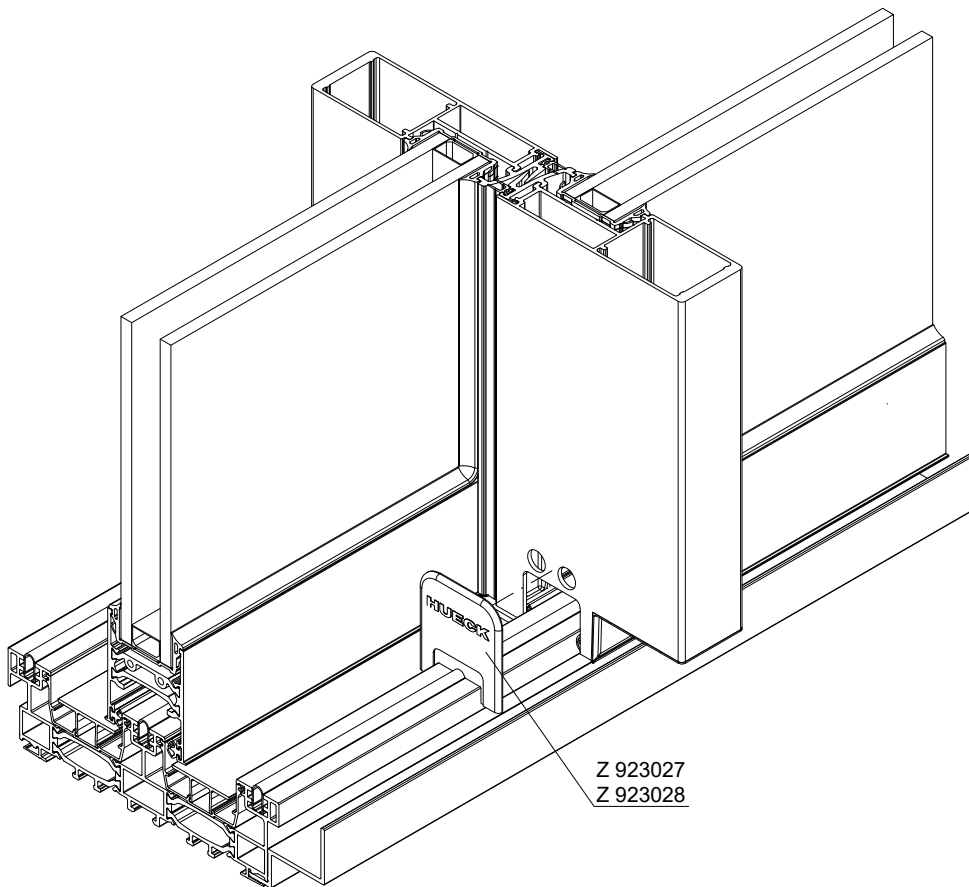
Schema E1 dargestellt  
 Scheme E1 shown



Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted

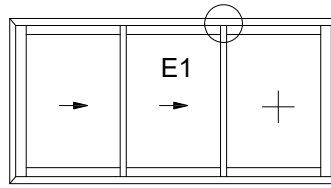


Nur unten  
 Only below

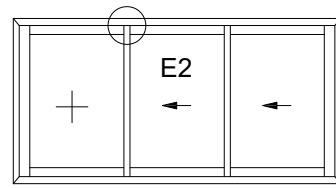




FLÜGELMONTAGE  
SASH ASSEMBLY

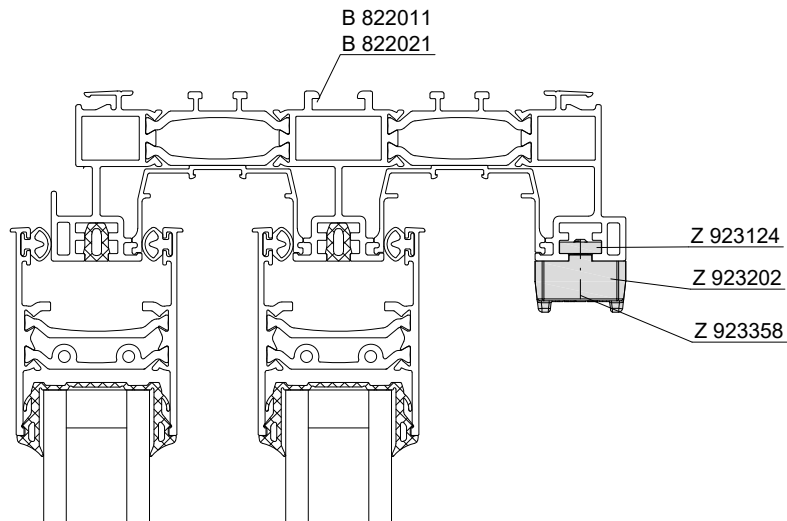


Schema E1 dargestellt  
Scheme E1 shown

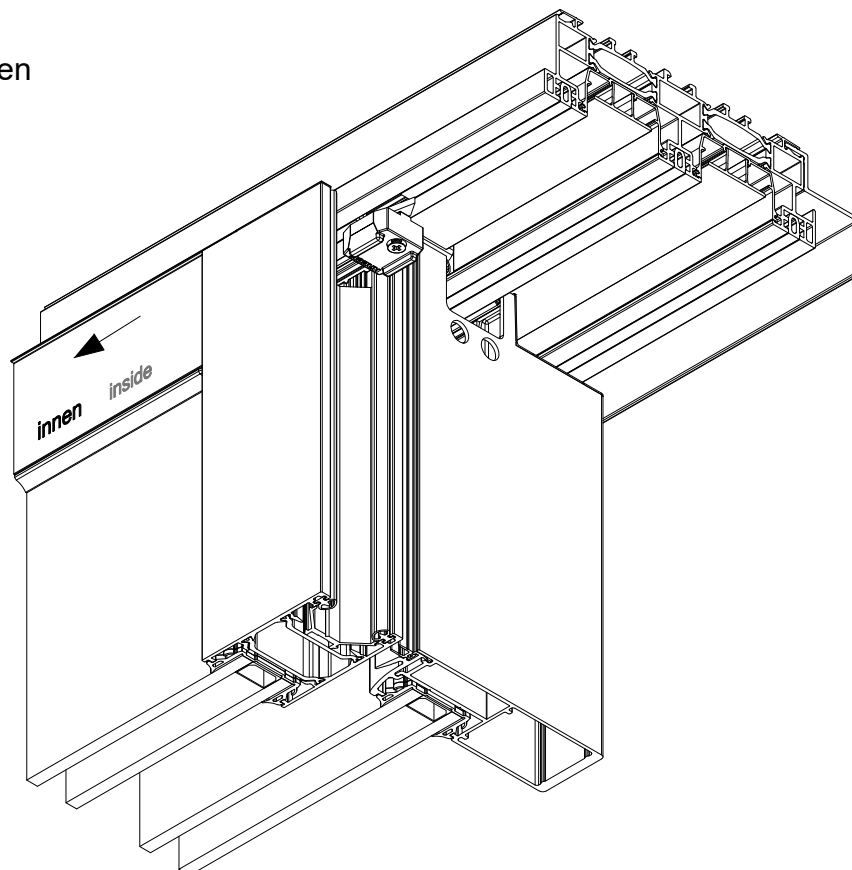


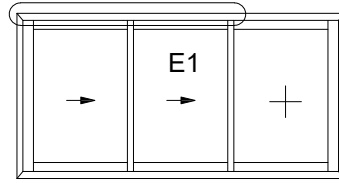
Schema E2 spiegelbildlich  
Scheme E2 mirror-inverted

Offen  
Open

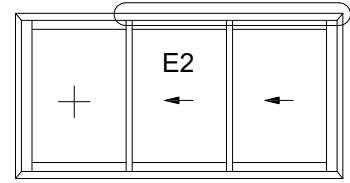


Ansicht von Innen  
Inside view



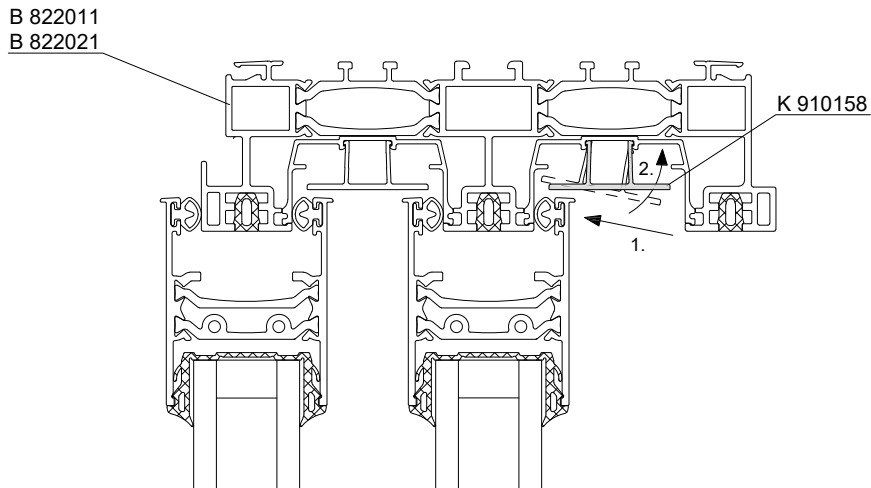
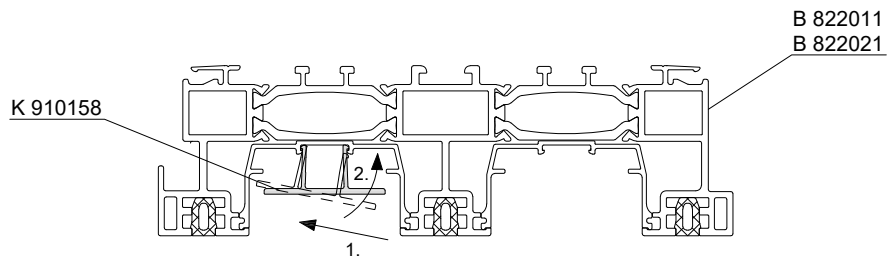
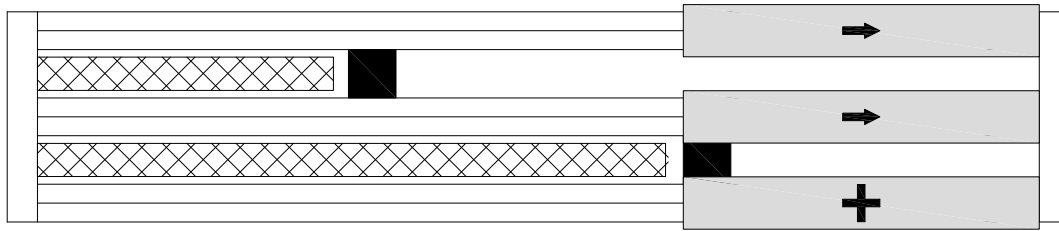


Schema E1 dargestellt  
 Scheme E1 shown

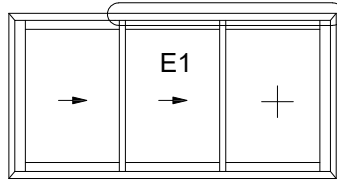


Schema E2 spiegelbildlich  
 Scheme E2 mirror-inverted

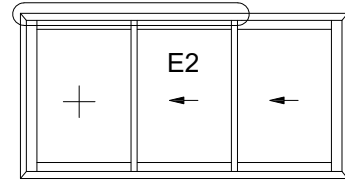
Optional  
 Optionally



RAHMENMONTAGE  
FRAME ASSEMBLY

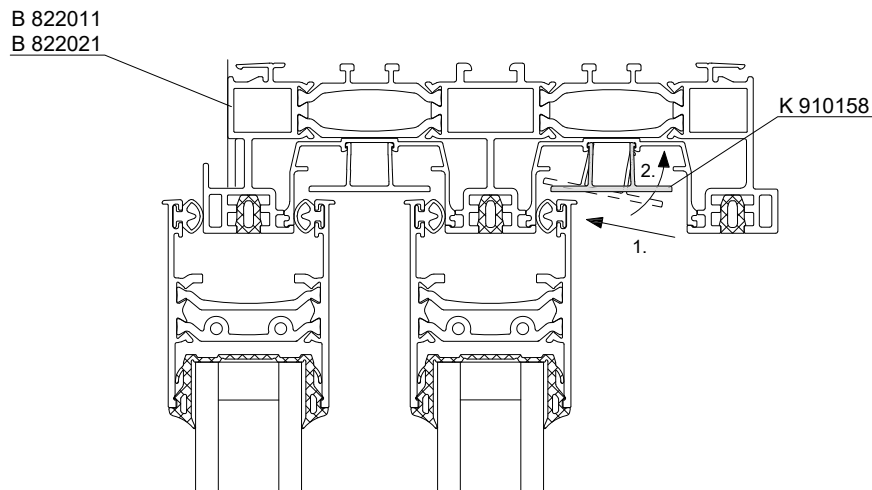
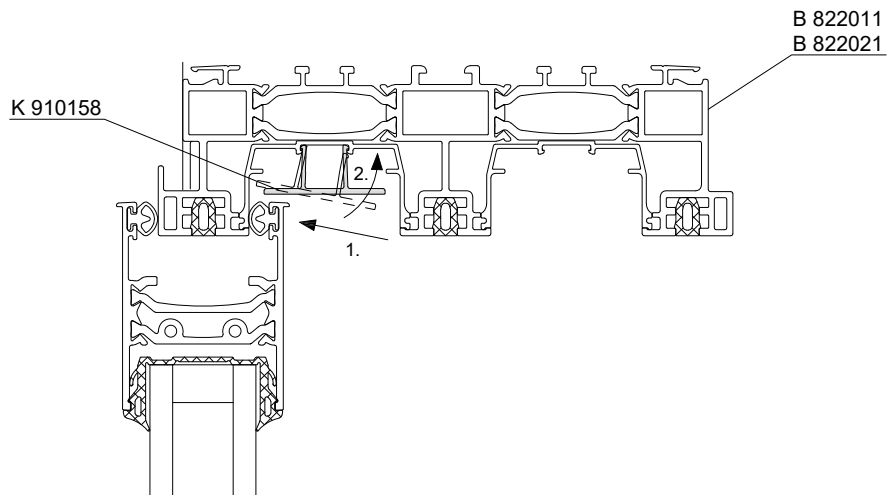
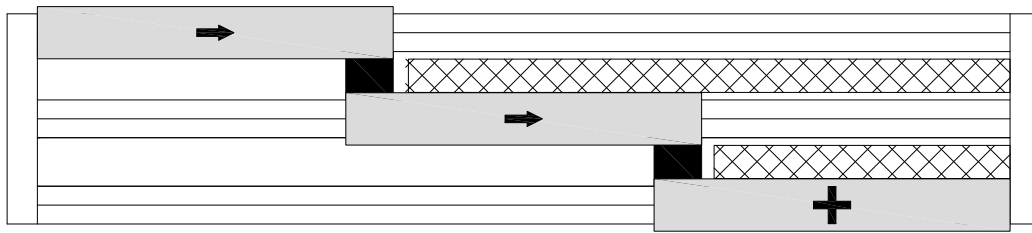


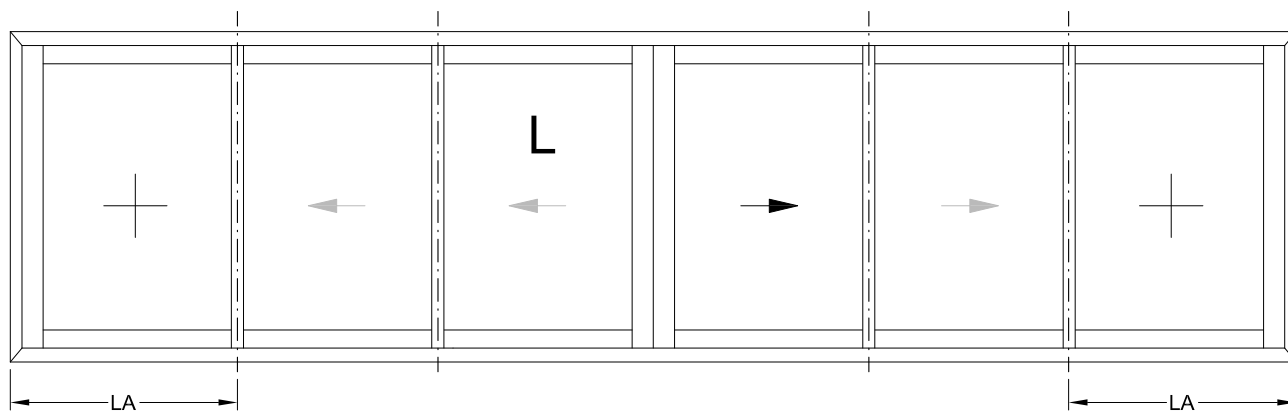
Schema E1 dargestellt  
Scheme E1 shown



Schema E2 spiegelbildlich  
Scheme E2 mirror-inverted

Optional  
Optionally





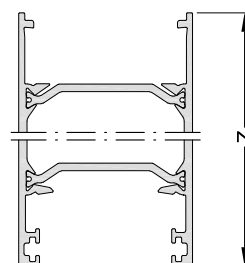
Bei gleichen Glasbreiten:

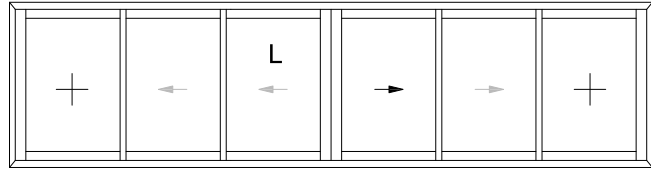
$$LA = (RB + 104 + 2 \times Z) / 6$$

For the same glas sizes

$$LA = (RB + 104 + 2 \times Z) / 6$$

	Z (mm)
B 822200	67
B 822210	77

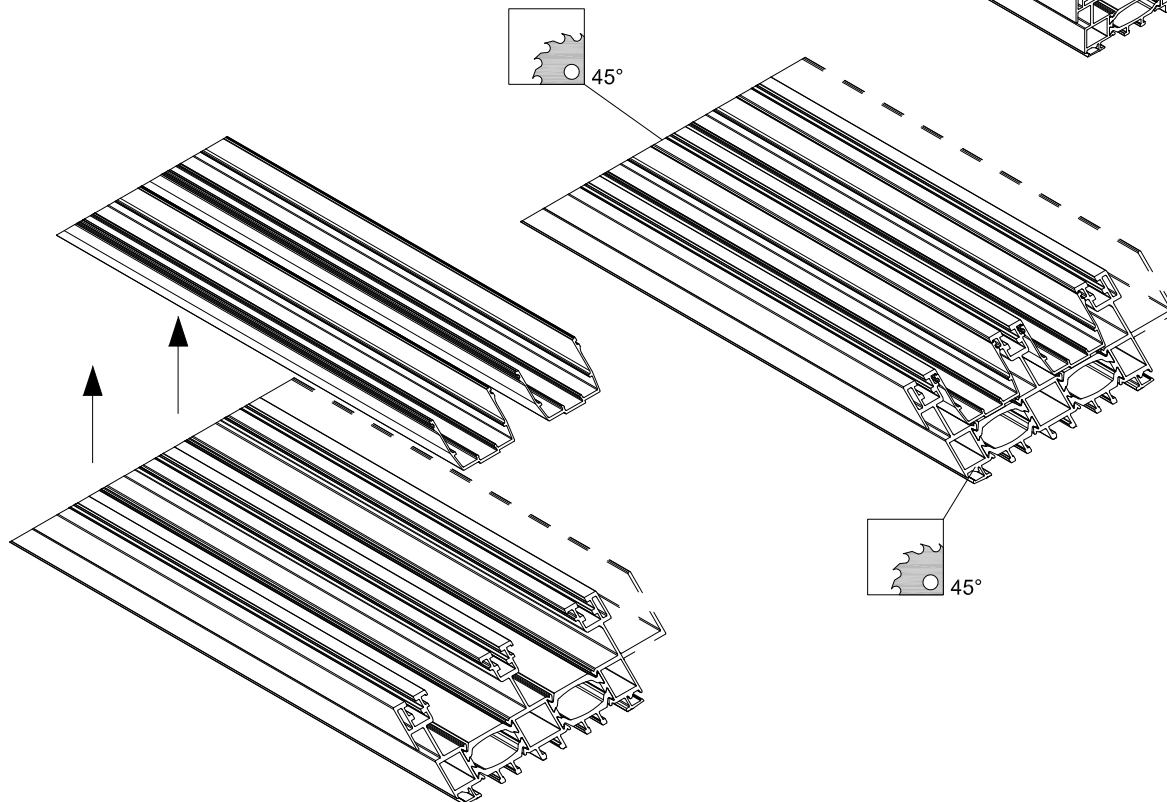
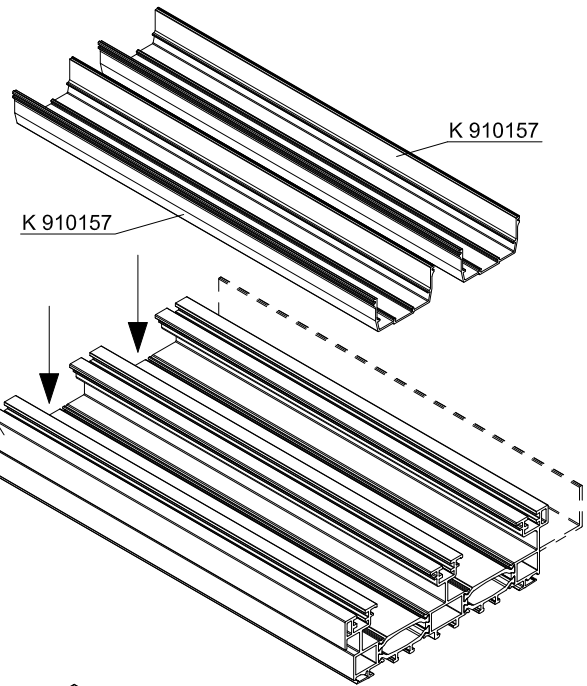
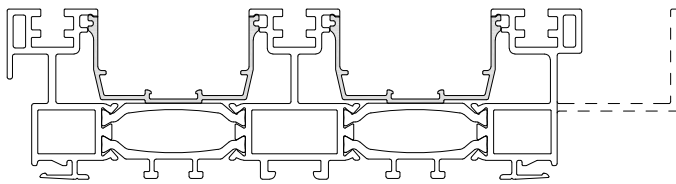


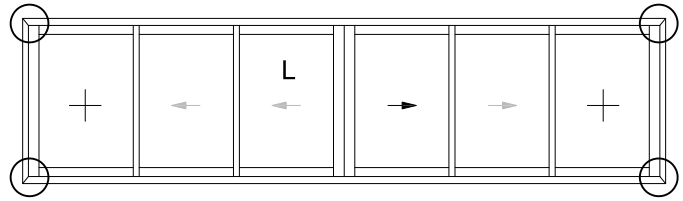


**B 822011, B 822013, B 822021, B 822023**

**K 910157**

umlaufend  
circumferential

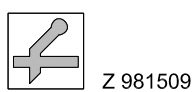
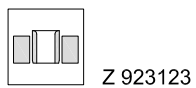
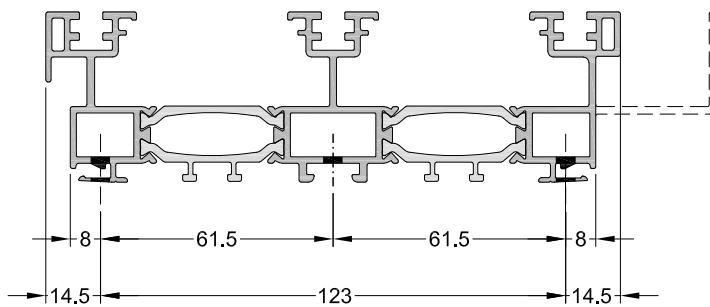
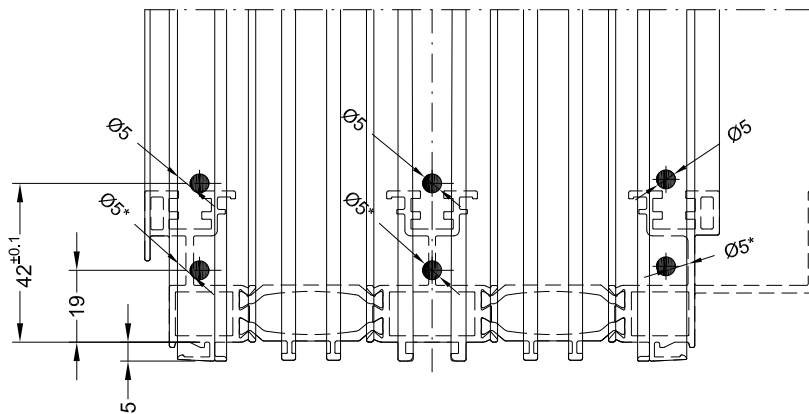


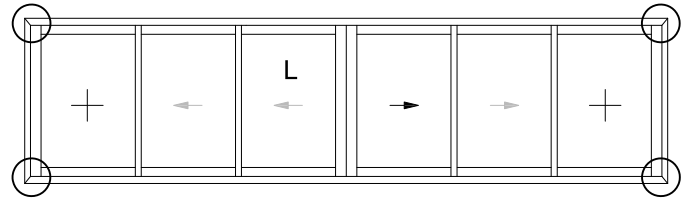


**B 822011 + B 822013**

\* Bohrung wahlweise,  
 für nachträgliche Verklebung

\* drilling optional,  
 for retro gluing after assembly

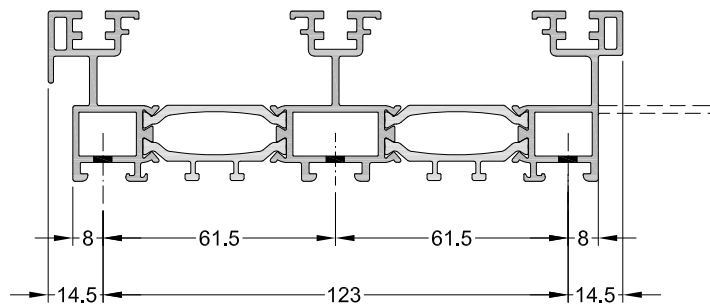
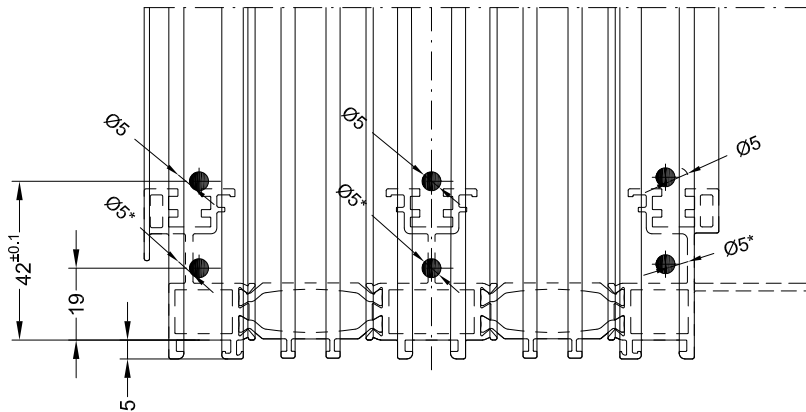




**B 822021 + B 822023**

\* Bohrung wahlweise,  
 für nachträgliche Verklebung

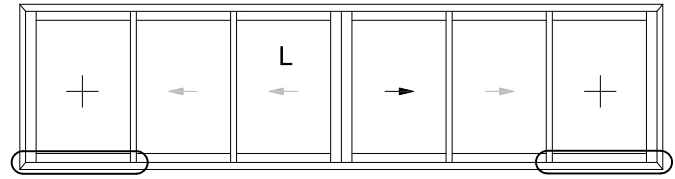
\* drilling optional,  
 for retro gluing after assembly



Z 923123  
 Z 921426



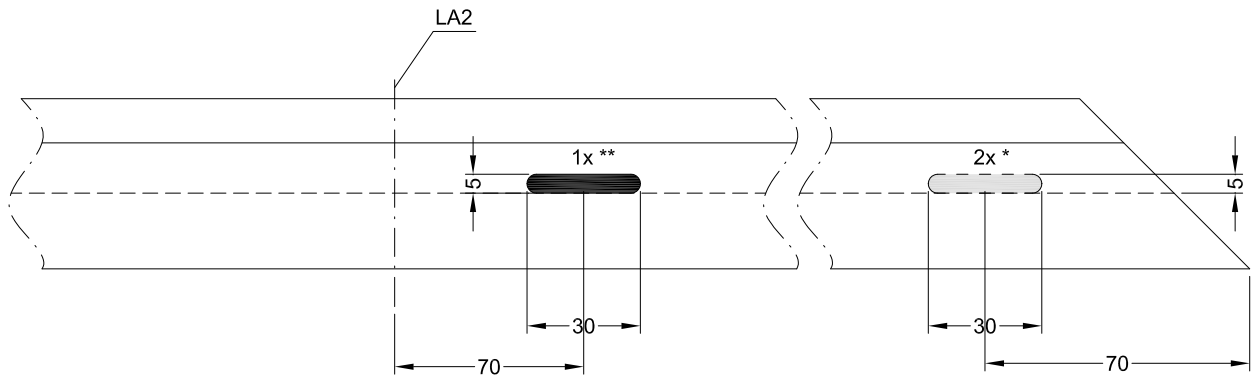
Z 981289  
 Z 981423  
 Z 981191  
 Z 981509



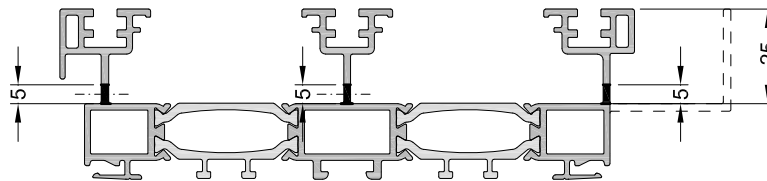
spiegelbildlich  
 mirror-inverted

dargestellt  
 shown

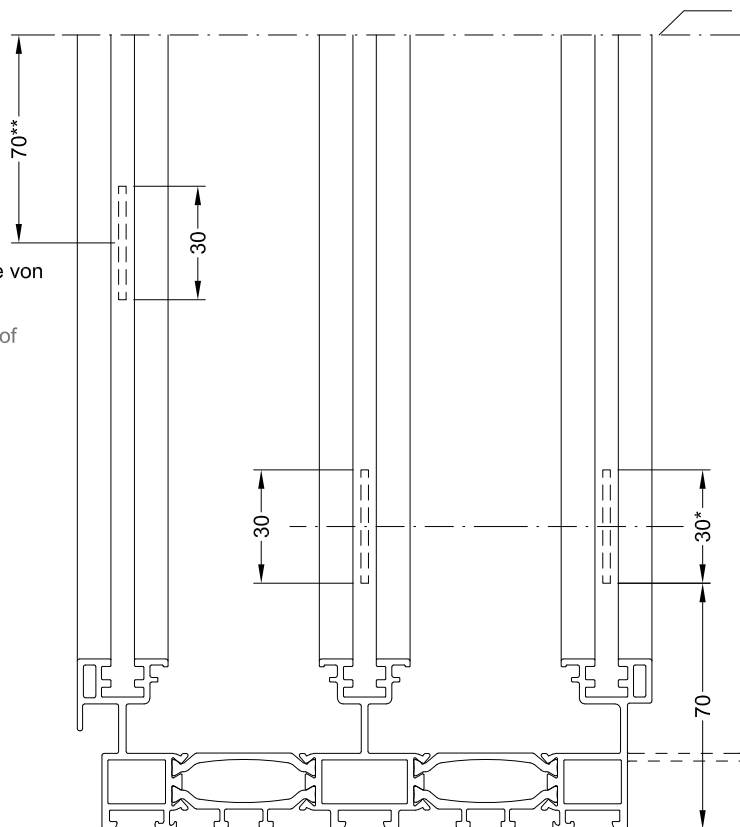
**B 822011, B 822013, B 822021, B822023**



Z 981511



LA 2



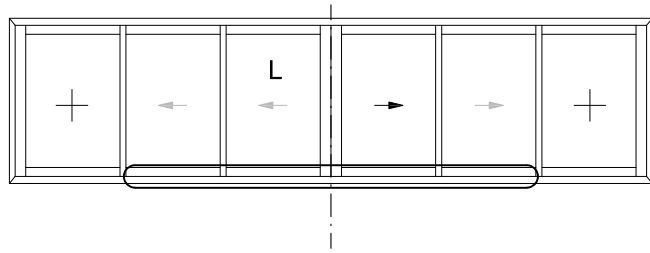
\*\* Zur Aufnahme von  
 Z 923321

\*\* for receiving of  
 Z 923321

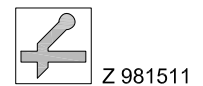
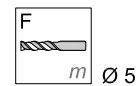
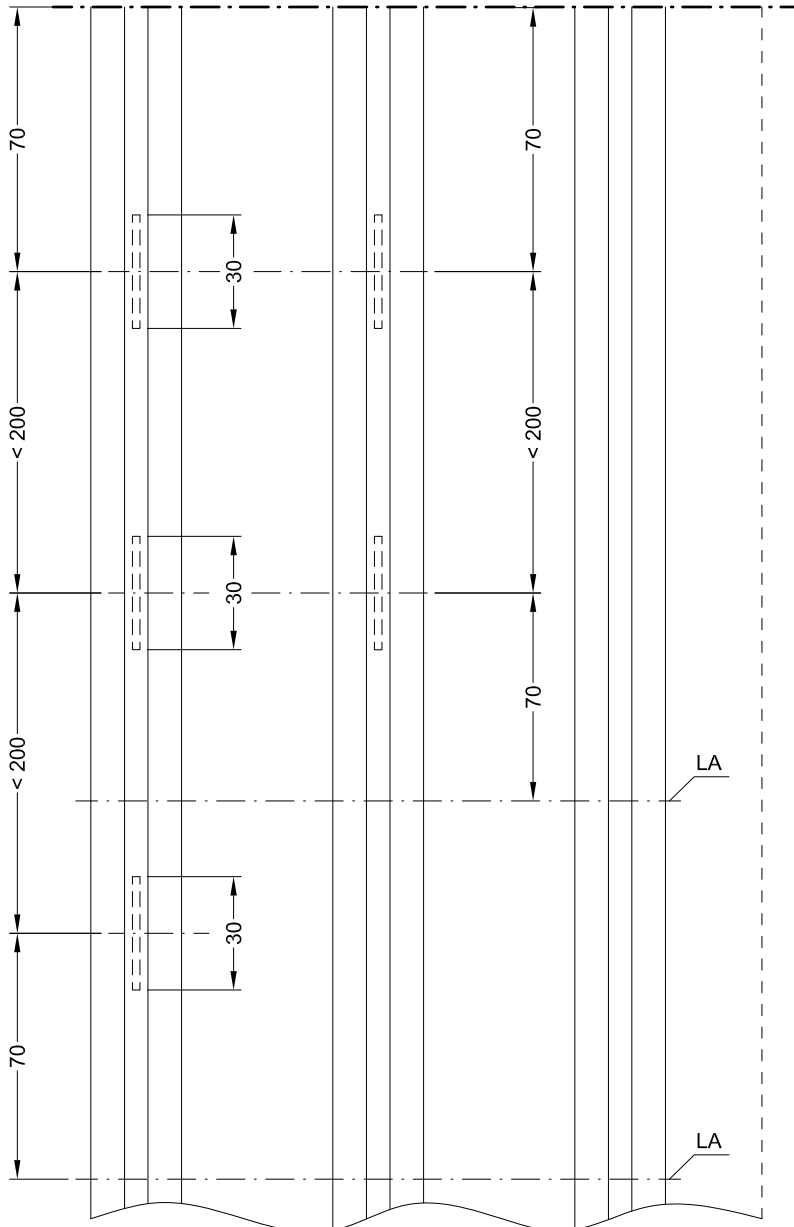
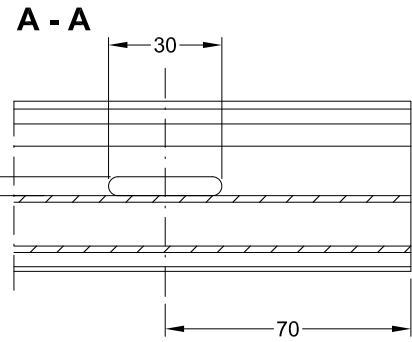
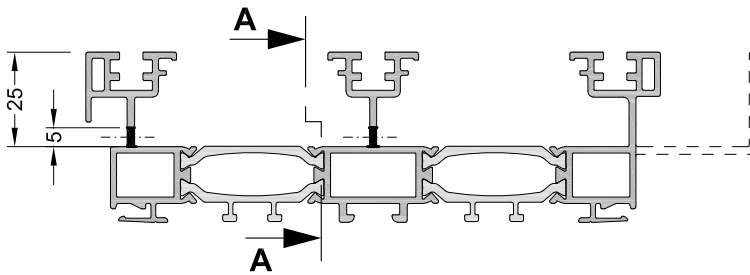
\* Nur bei der Verwendung vom  
 Wetterschenkel P 496456  
 oder Rahmen B 822013 / B 822023 !

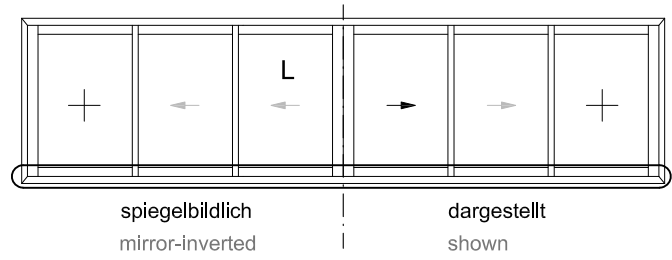
\* only when using water bar  
 P 496456 or frame B 822013 / B 823023!



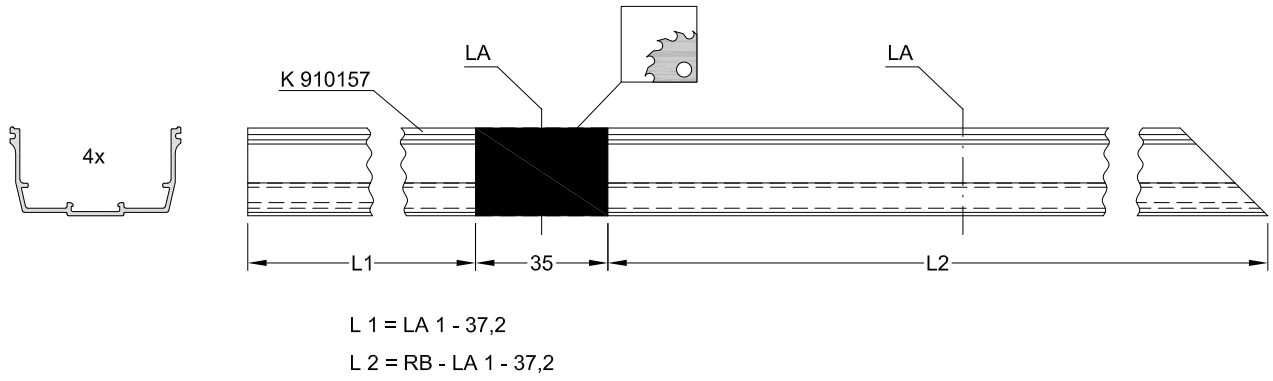


**B 821011, B 821013, B 821021, B821051**

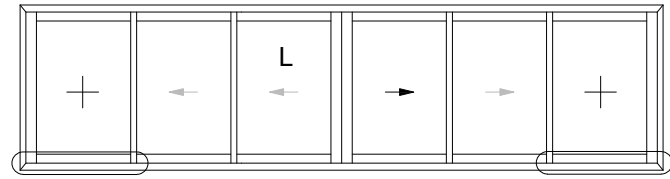




**K 910157 + K 910158**

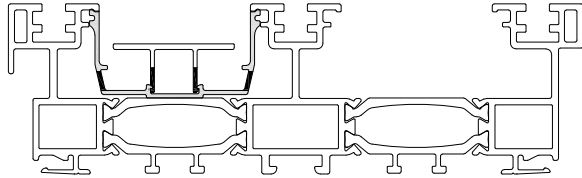


RAHMENBEARBEITUNG  
 FRAME PROCESSING

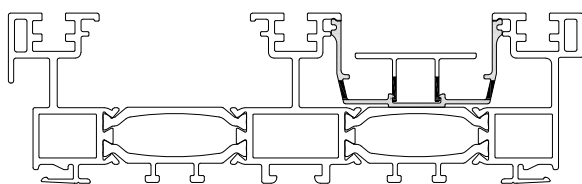
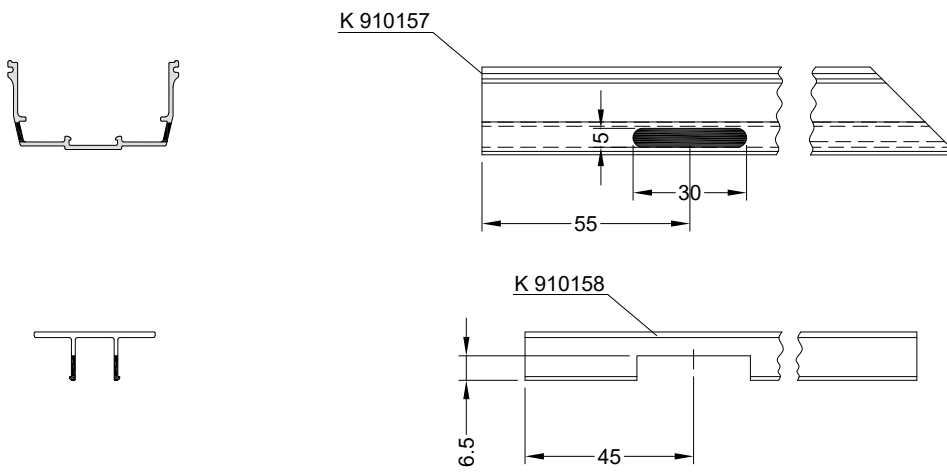


spiegelbildlich  
 mirror-inverted

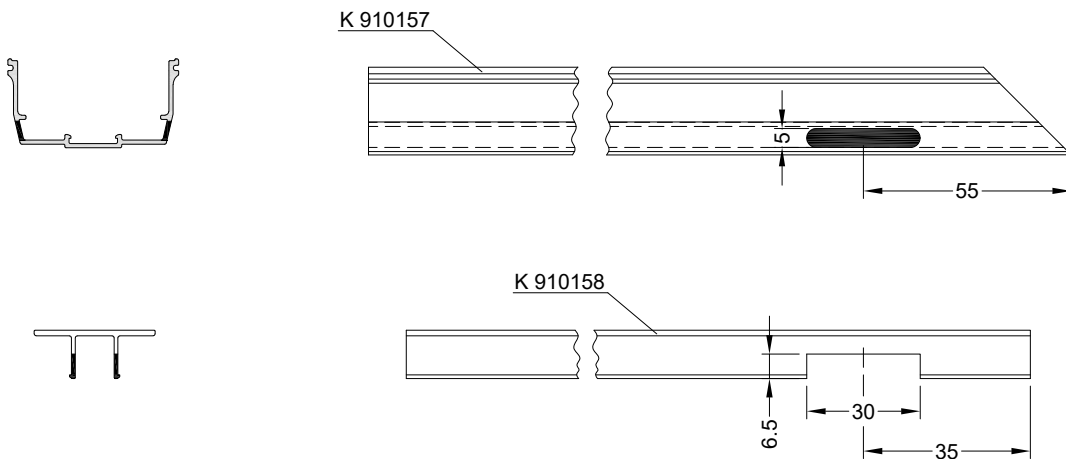
dargestellt  
 shown



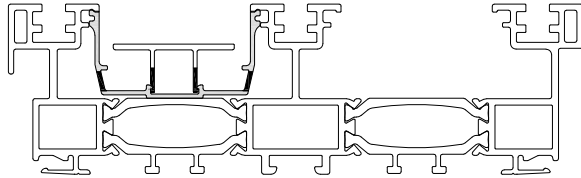
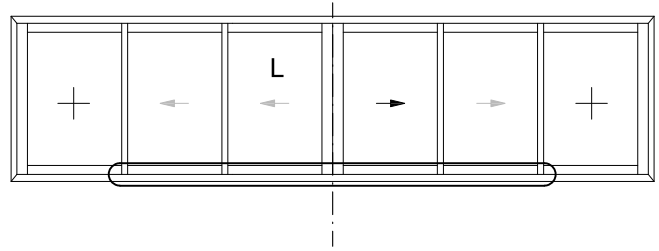
Z 981512



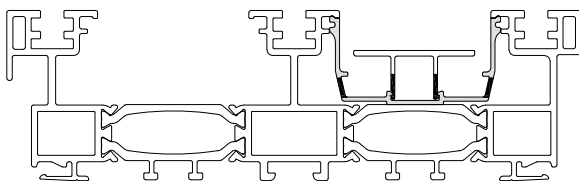
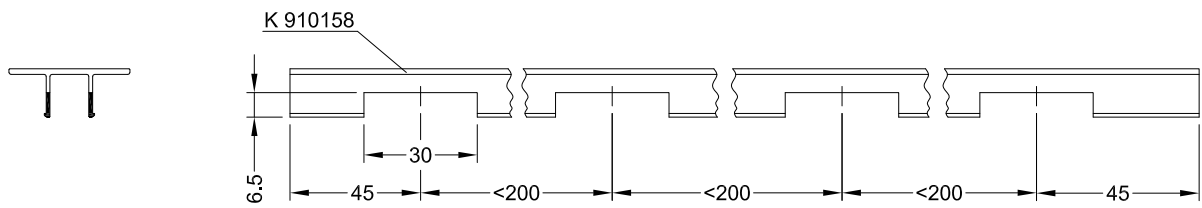
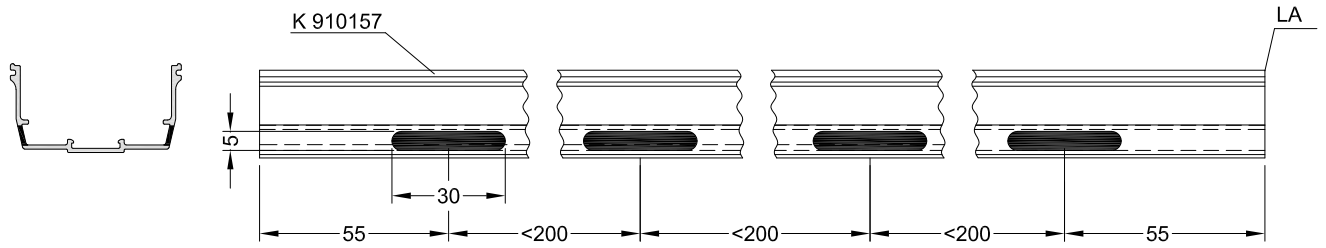
Z 981512



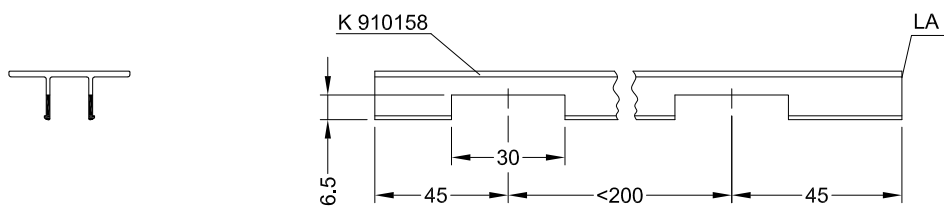
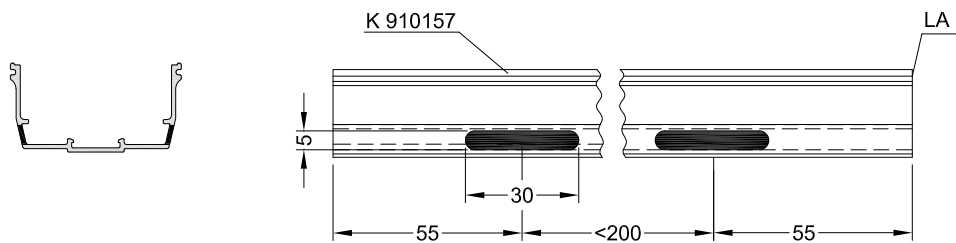
RAHMENBEARBEITUNG  
 FRAME PROCESSING



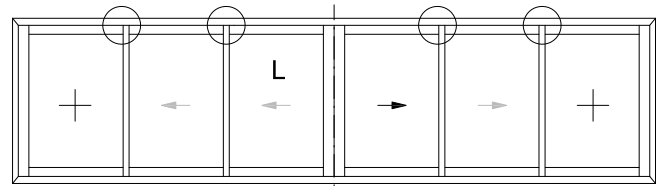
Z 981512



Z 981512

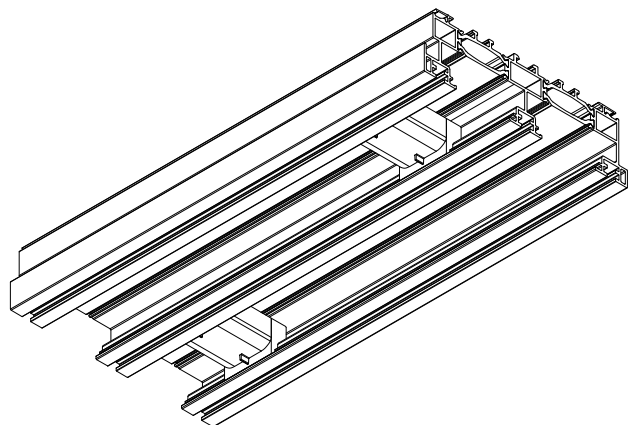
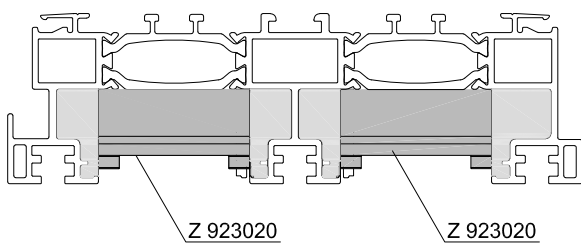
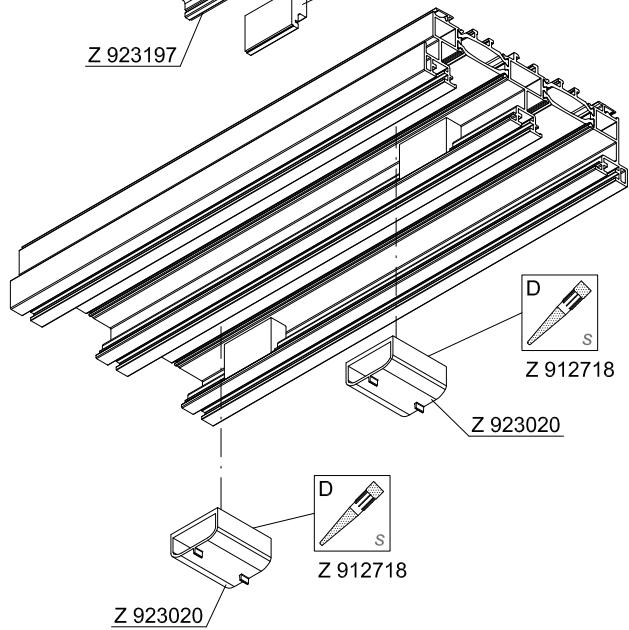
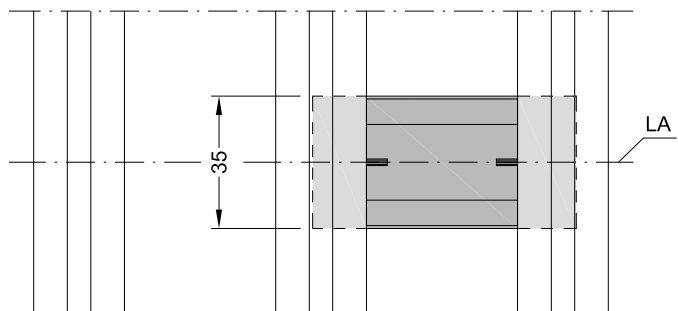
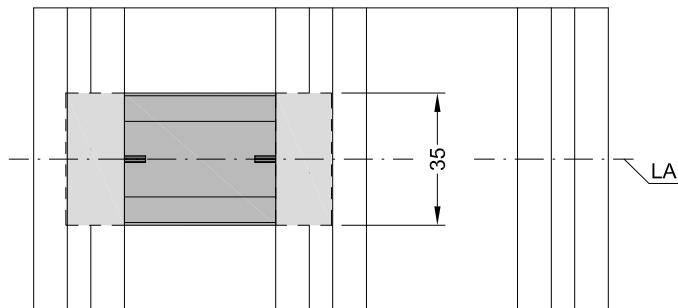
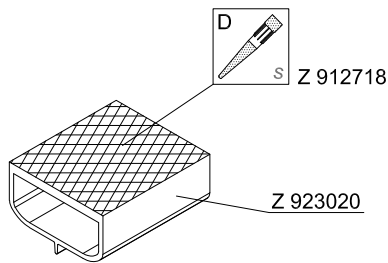
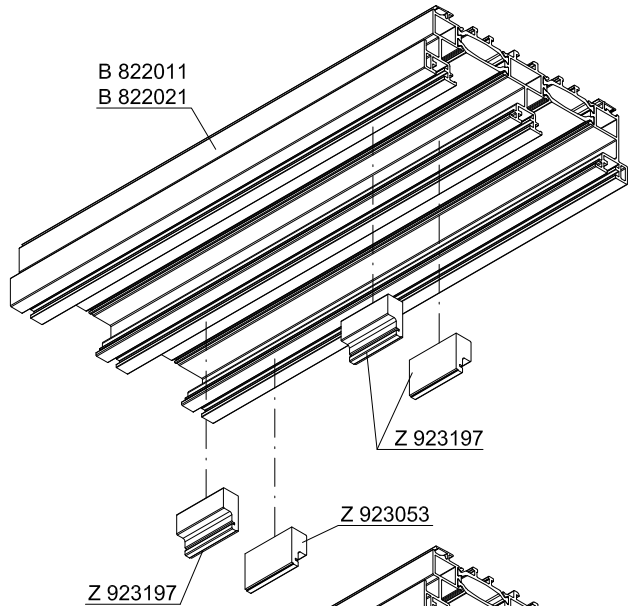
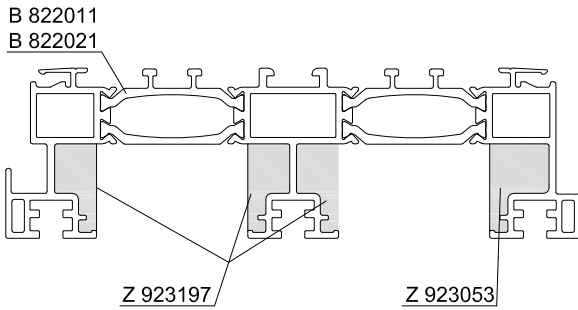


RAHMENMONTAGE  
 FRAME ASSEMBLY

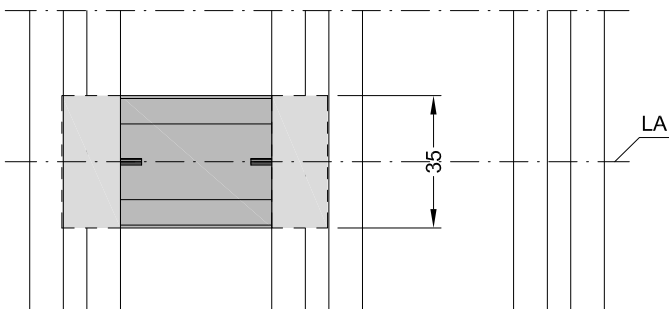
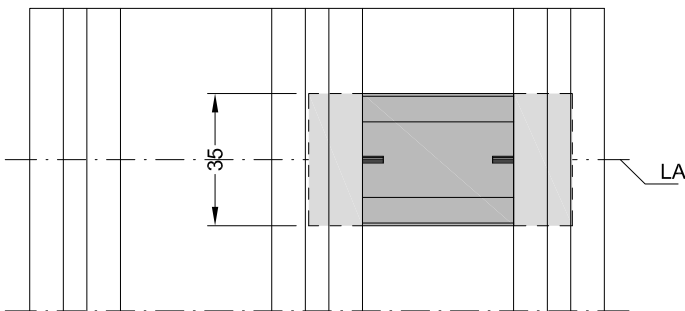
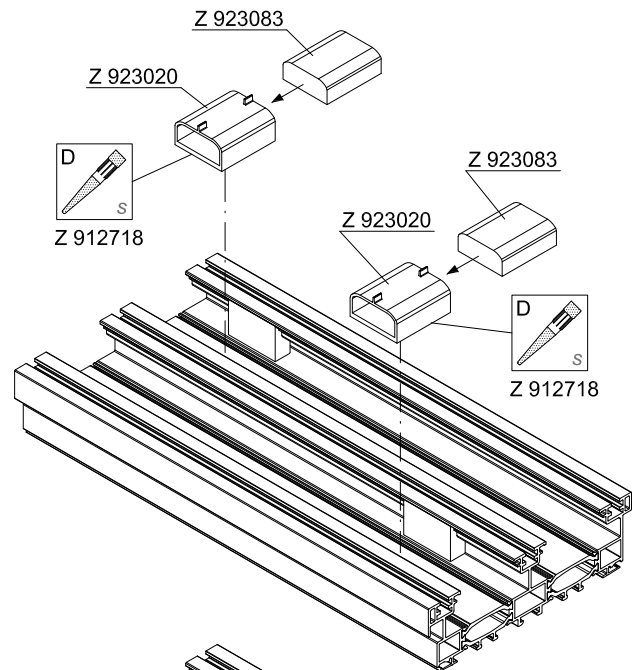
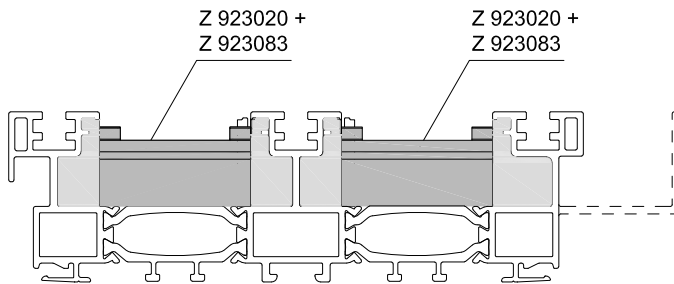
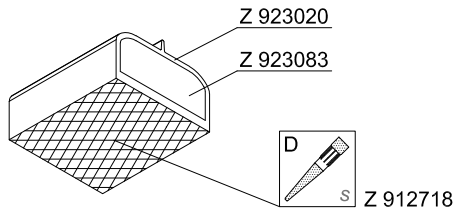
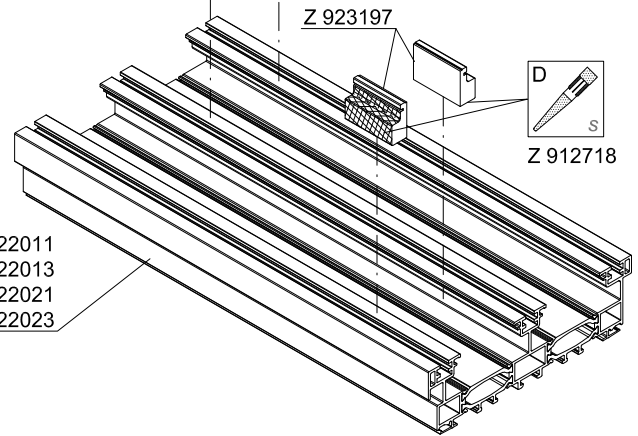
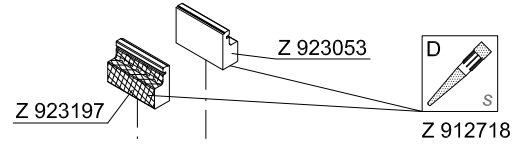
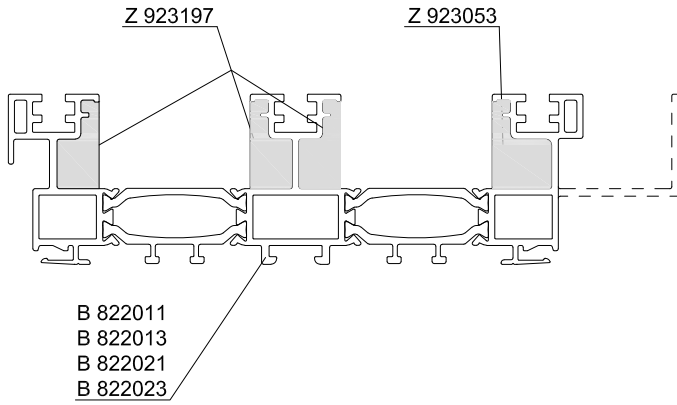
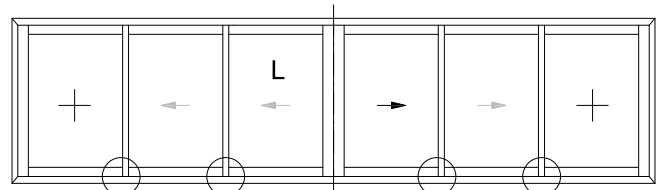


spiegelbildlich  
 mirror-inverted

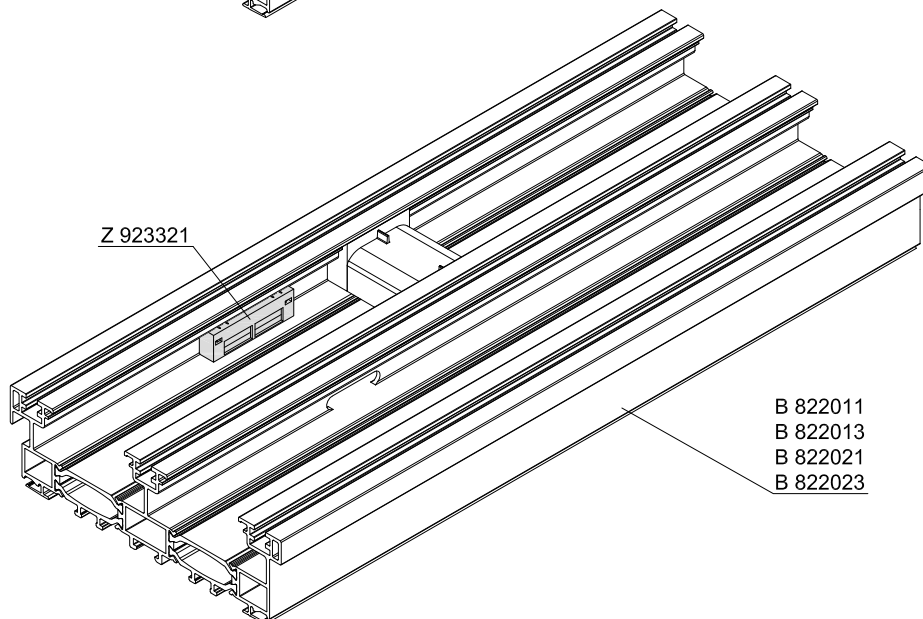
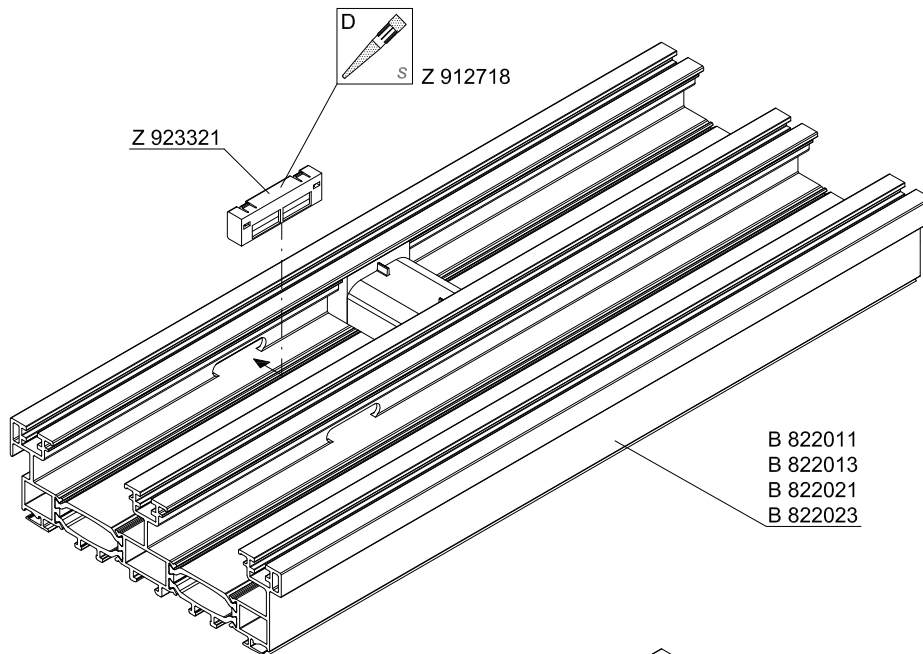
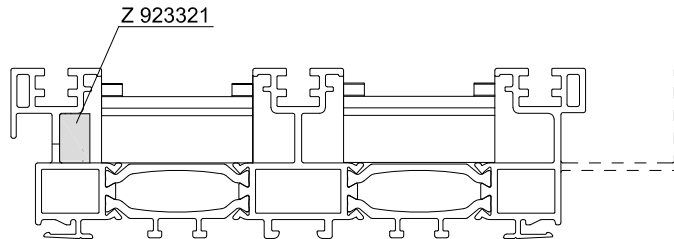
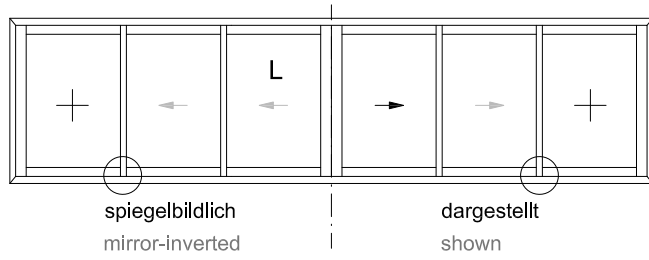
dargestellt  
 shown



RAHMENMONTAGE  
 FRAME ASSEMBLY

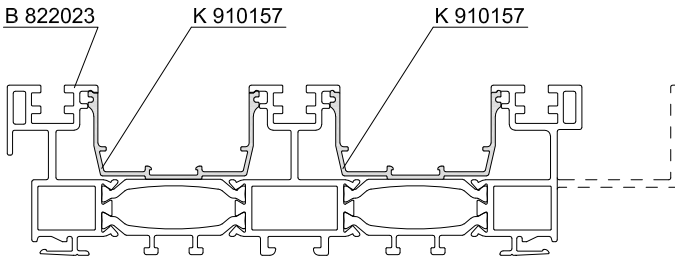


RAHMENMONTAGE  
 FRAME ASSEMBLY



RAHMENMONTAGE  
FRAME ASSEMBLY

B 822011  
B 822013  
B 822021  
B 822023

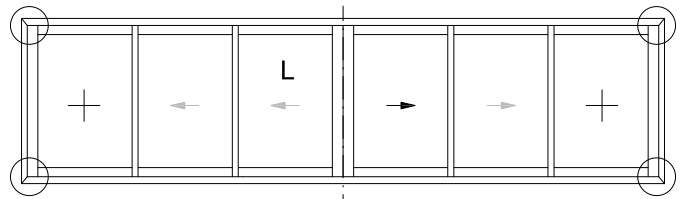


**Bearbeitungsschritte**

1. K 910157 umlaufend eindrücken
2. Schnittflächen versiegeln
3. Falls keine nachträgliche Verklebung vorgesehen ist, müssen vor dem Fügen alle Profillinienflächen im Eckbereich mit HUECK Metallkleber bestrichen werden
4. Eckverbinder einschieben
5. Rahmen fügen (erst Innen-, dann Außenkammer)
6. Ecke ausrichten
7. Ecke verstiften
8. Kleber einspritzen, bis der Kleber an den Stiften austritt

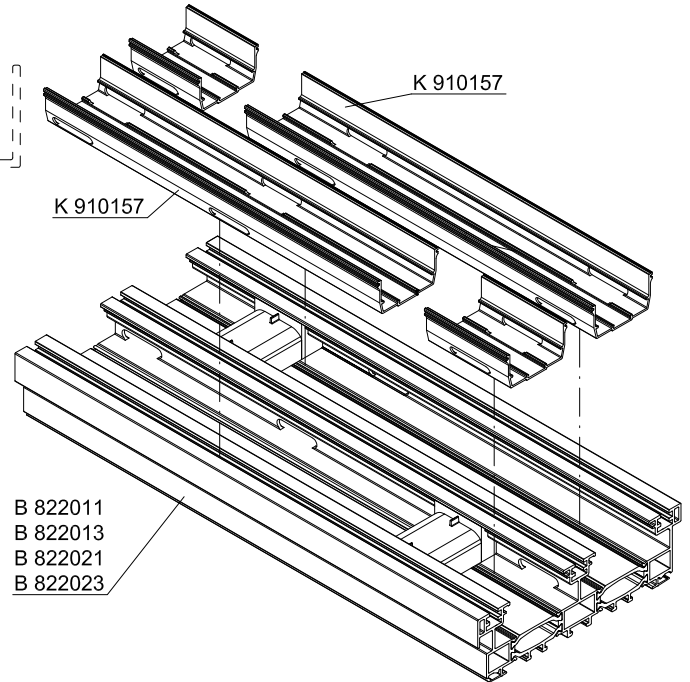
**Processing steps**

1. Insert K 910157 circumferential
2. Seal the cut surfaces
3. If there is no subsequent gluing planned, all inner profile surfaces at the corner area must be applied with HUECK metal glue before joining
4. Slide in the corner bracket
5. Join the frame (Internal chamber at first, then external)
6. Adjust the corner
7. Nail the corner
8. Insert the glue, till the glue leaks at the pins

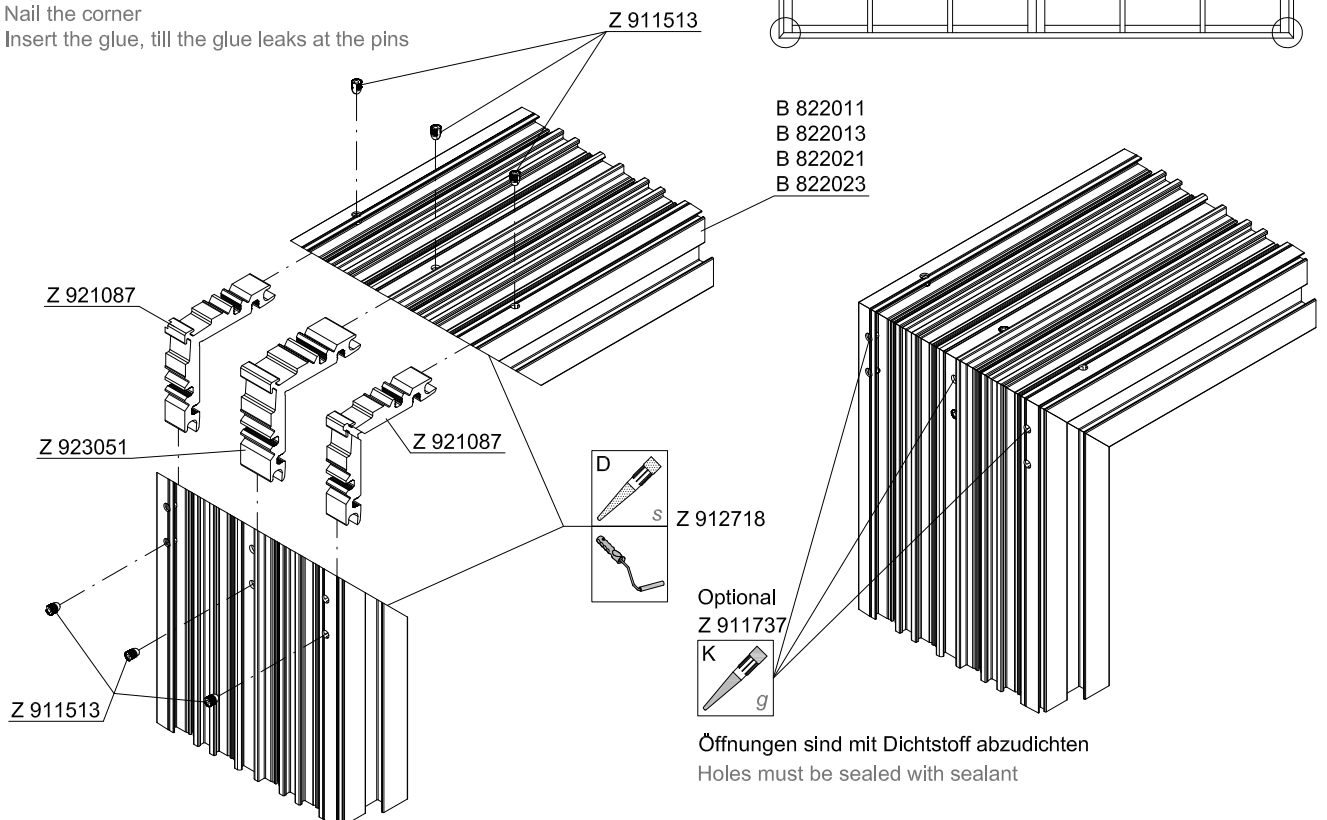
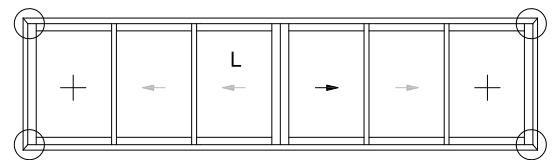


spiegelbildlich  
mirror-inverted

dargestellt  
shown



B 822011  
B 822013  
B 822021  
B 822023



B 822011  
B 822013  
B 822021  
B 822023

Optional  
Z 911737

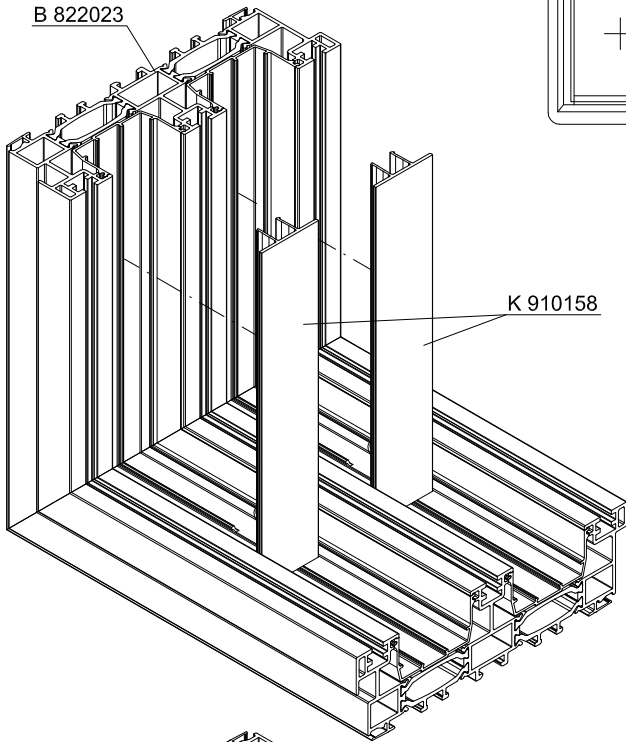
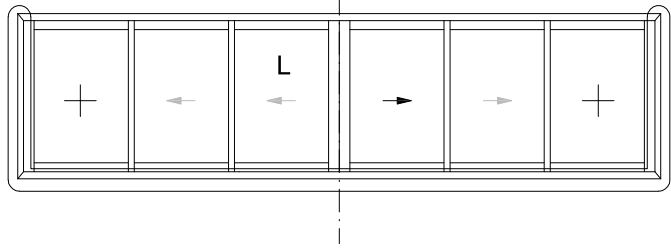


Öffnungen sind mit Dichtstoff abzudichten  
Holes must be sealed with sealant

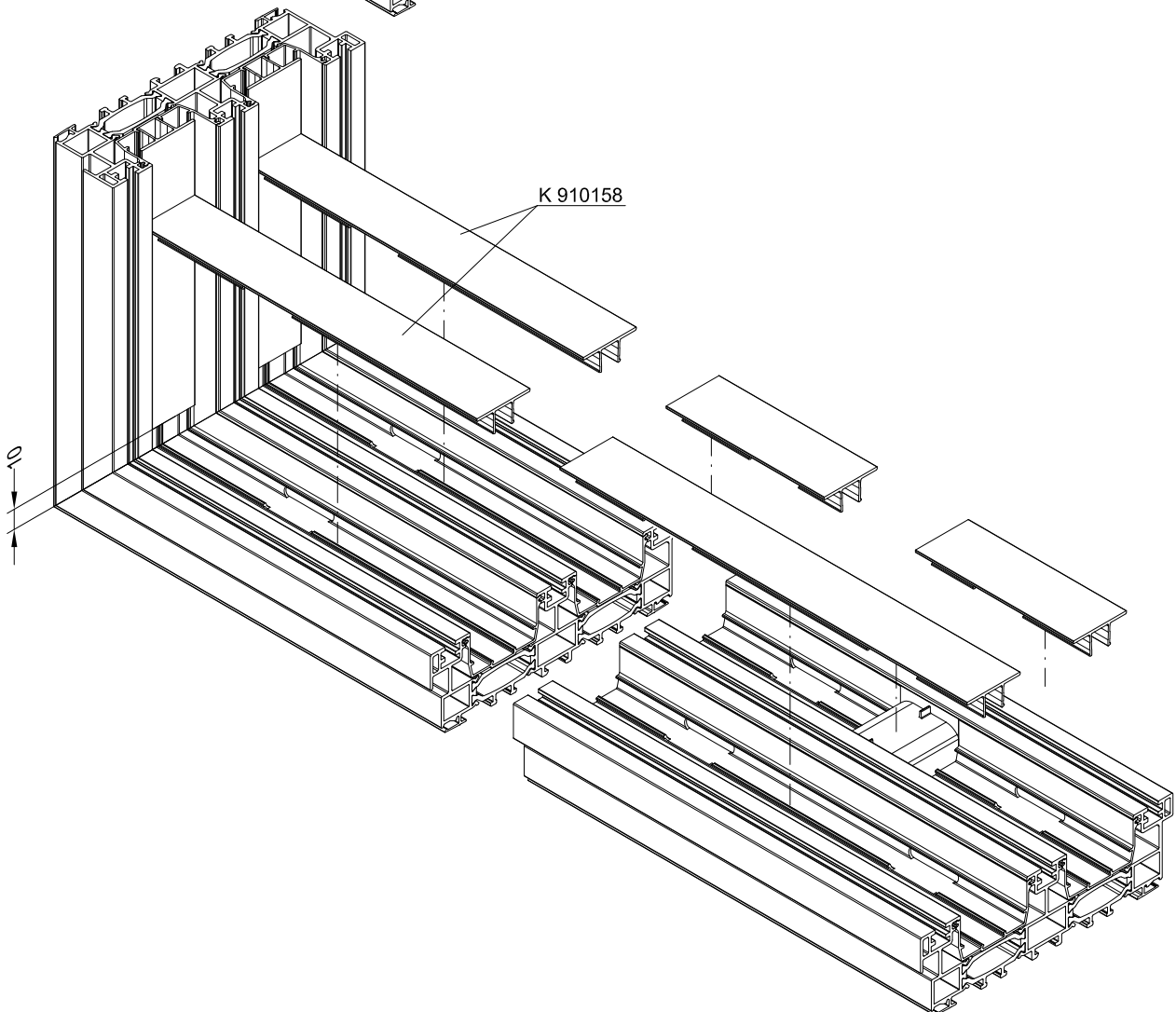


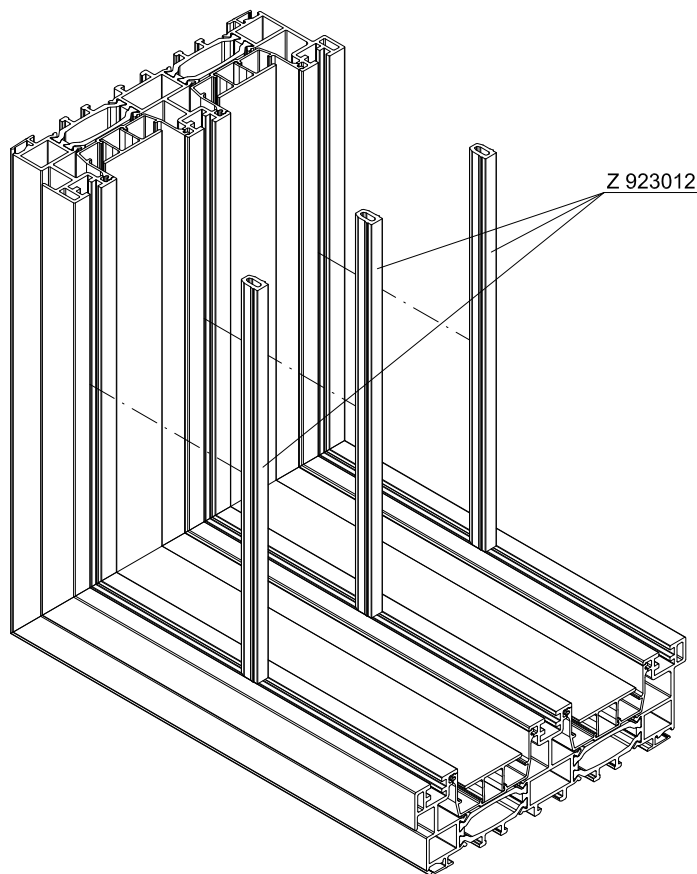
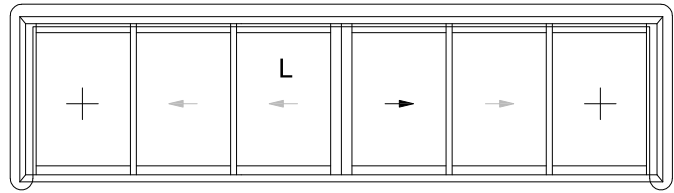
RAHMENMONTAGE  
FRAME ASSEMBLY

B 822011  
B 822013  
B 822021  
B 822023



Dreiseitig  
Three-sided





Dreiseitig  
 Three-sided



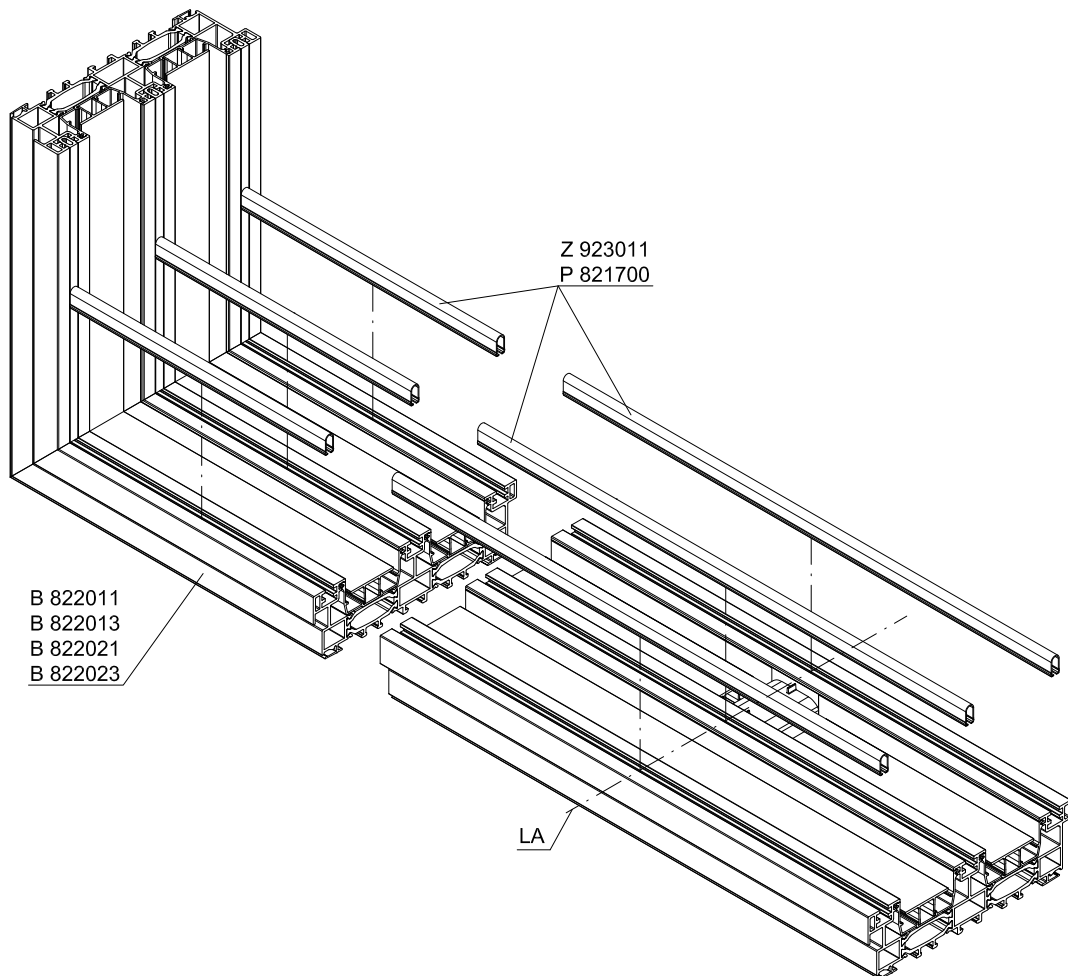
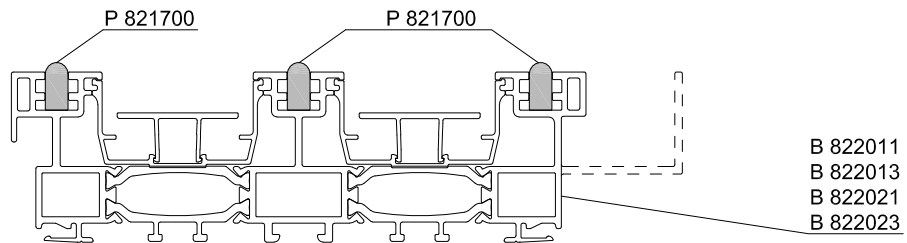
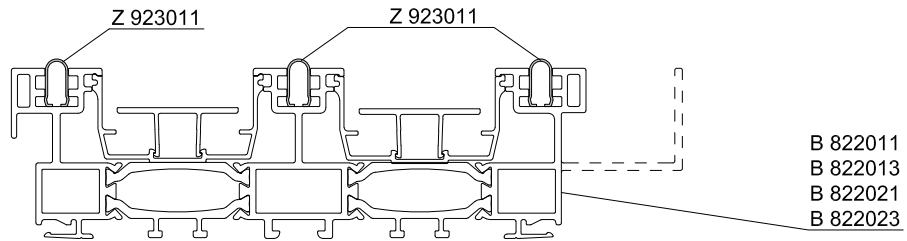
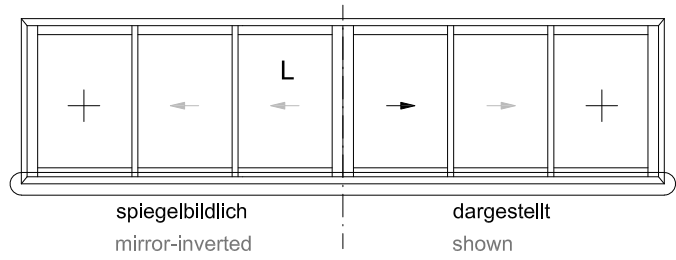
**Bearbeitungsschritte**

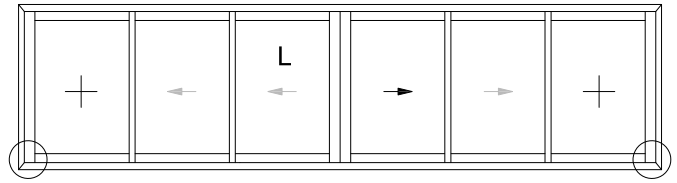
1. Schließteile einbauen und positionieren  
 (siehe Kapitel Beschlageinbau)
2. Dichtungen einziehen

**Processing steps**

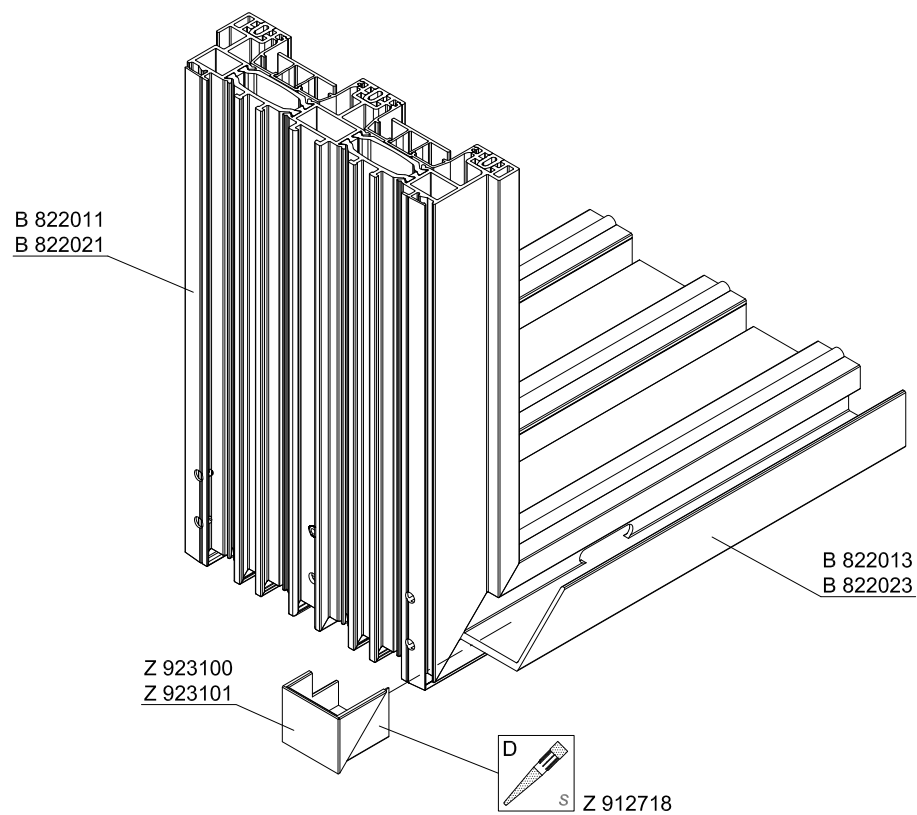
1. Install and position the locking parts  
 (see chapter fitting installation)
2. Insert the gaskets

RAHMENMONTAGE  
 FRAME ASSEMBLY



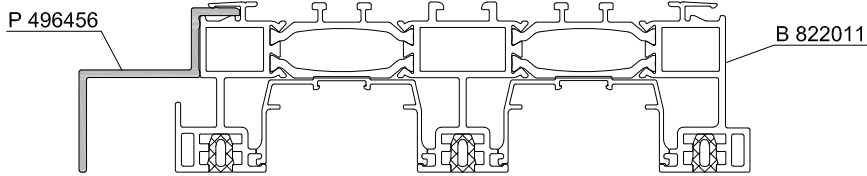
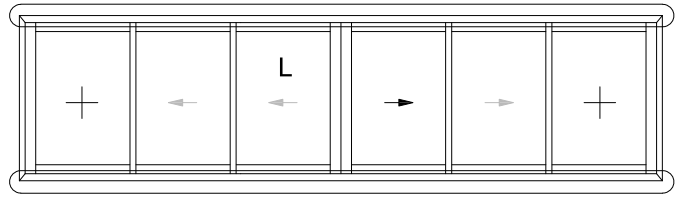


Nur bei B 822013 / B 822023  
 Only at B 822013 / B 822023

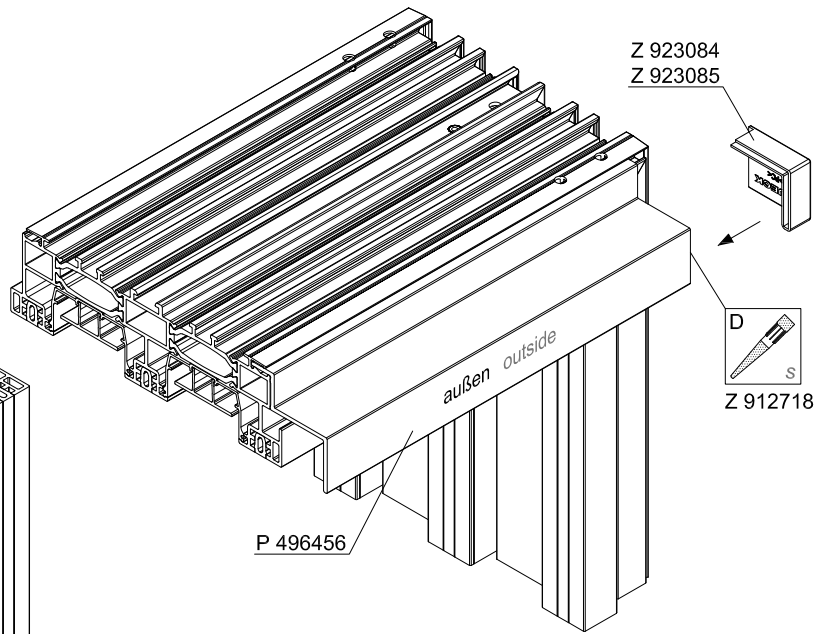
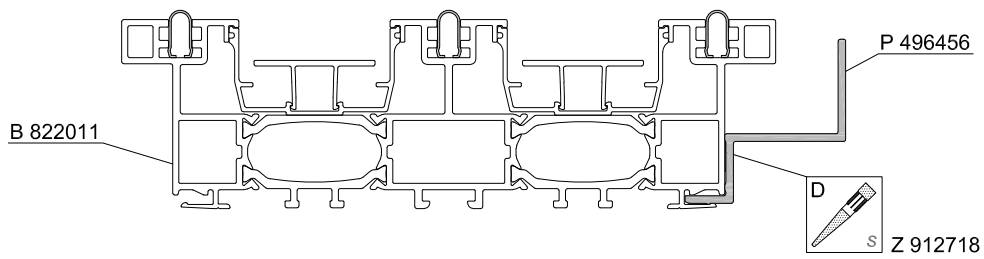


Öffnungen sind mit Dichtstoff abzudichten  
 Holes must be sealed with sealant

RAHMENMONTAGE  
 FRAME ASSEMBLY



Optional



Z 923084  
 Z 923085

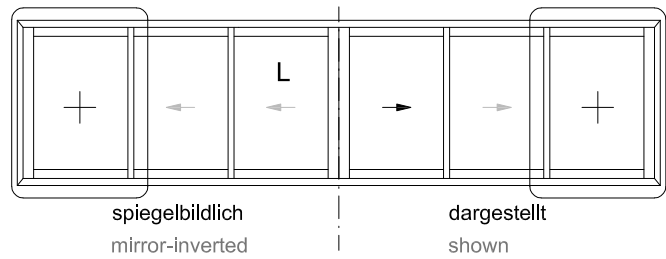


Z 912718



P 496456

innen  
 inside

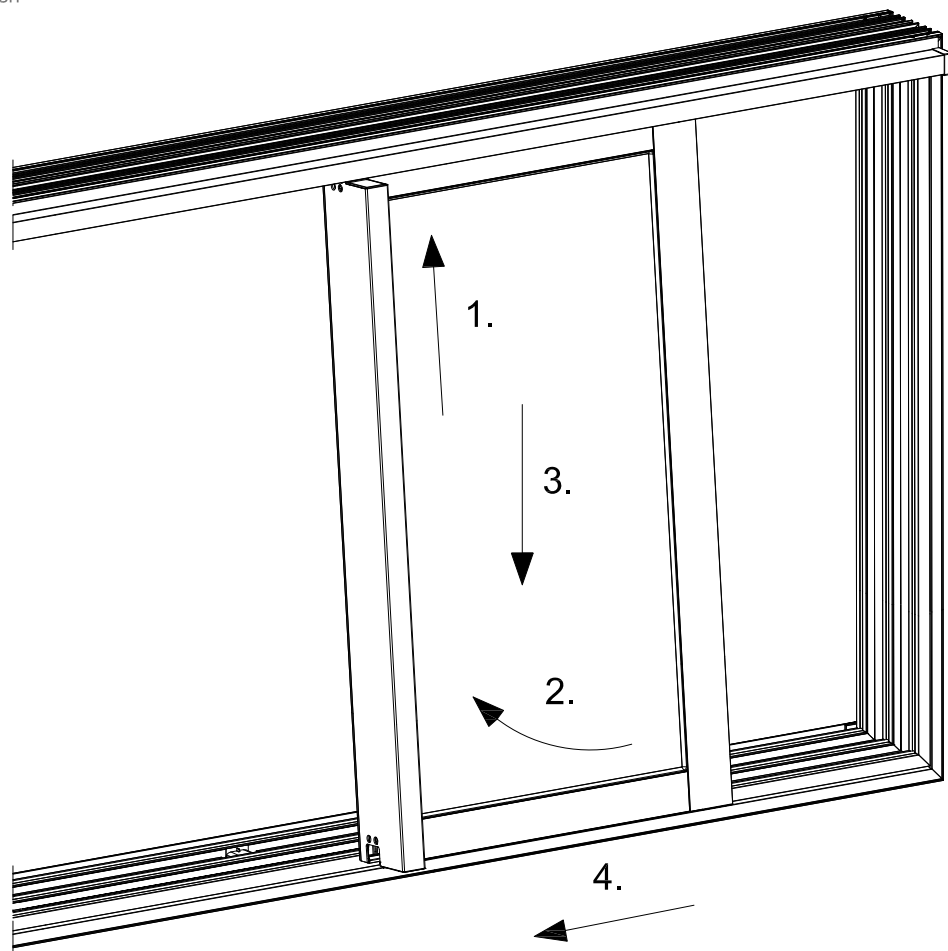


**Bearbeitungsschritte**

1. Äußere Flügel montieren  
 (Siehe Kapitel Verarbeitung / Montage Flügel)
2. Äußere Flügel einhängen

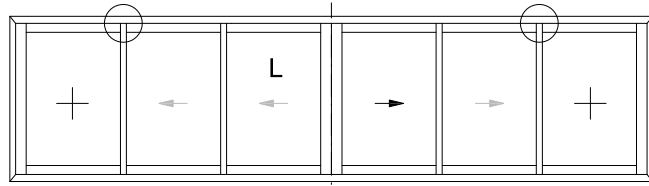
**Processing steps**

1. Assemble the outer sash  
 (see chapter processing / assembly sash)
2. Insert the outer sash



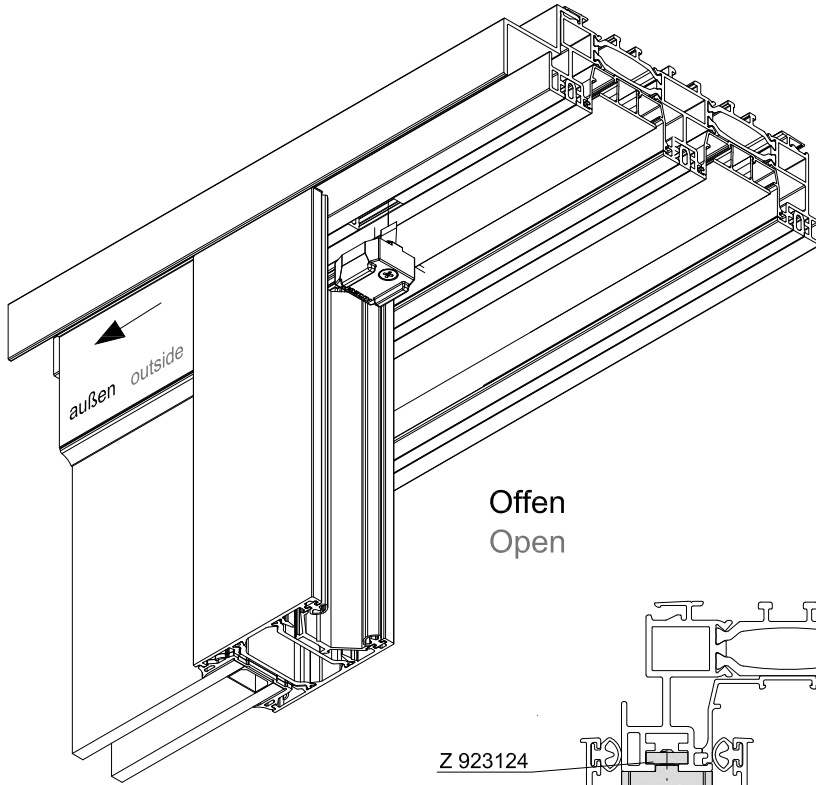
Ansicht von Außen  
 Outside view

FLÜGELMONTAGE  
 SASH ASSEMBLY

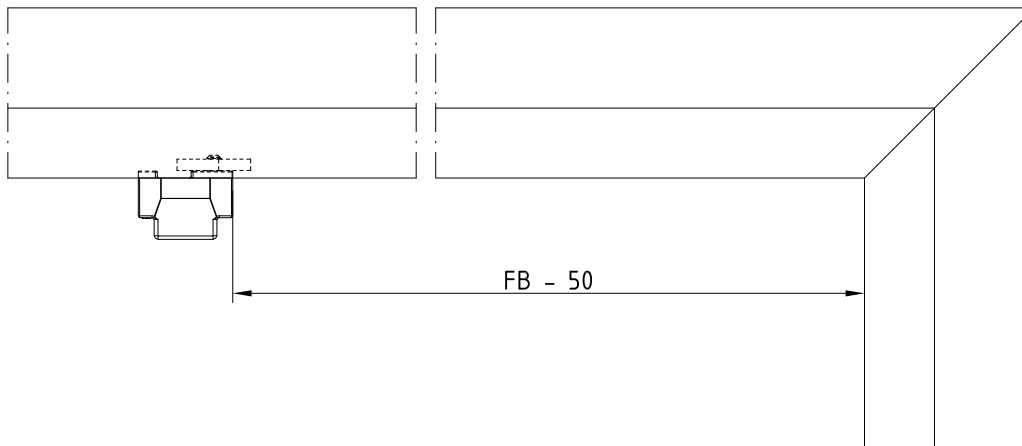
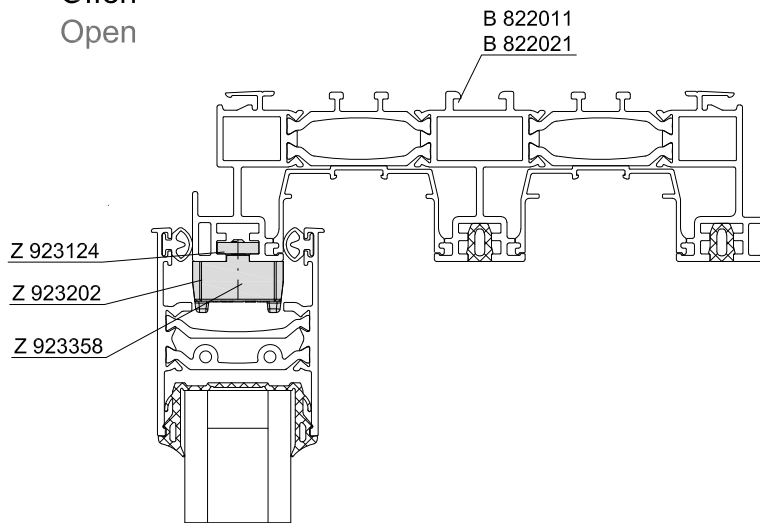


spiegelbildlich  
 mirror-inverted

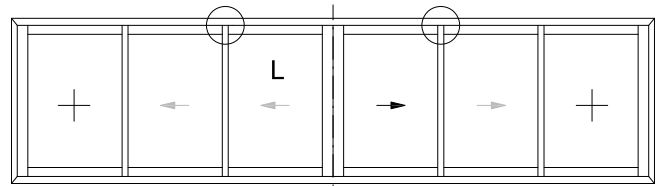
dargestellt  
 shown



Offen  
 Open

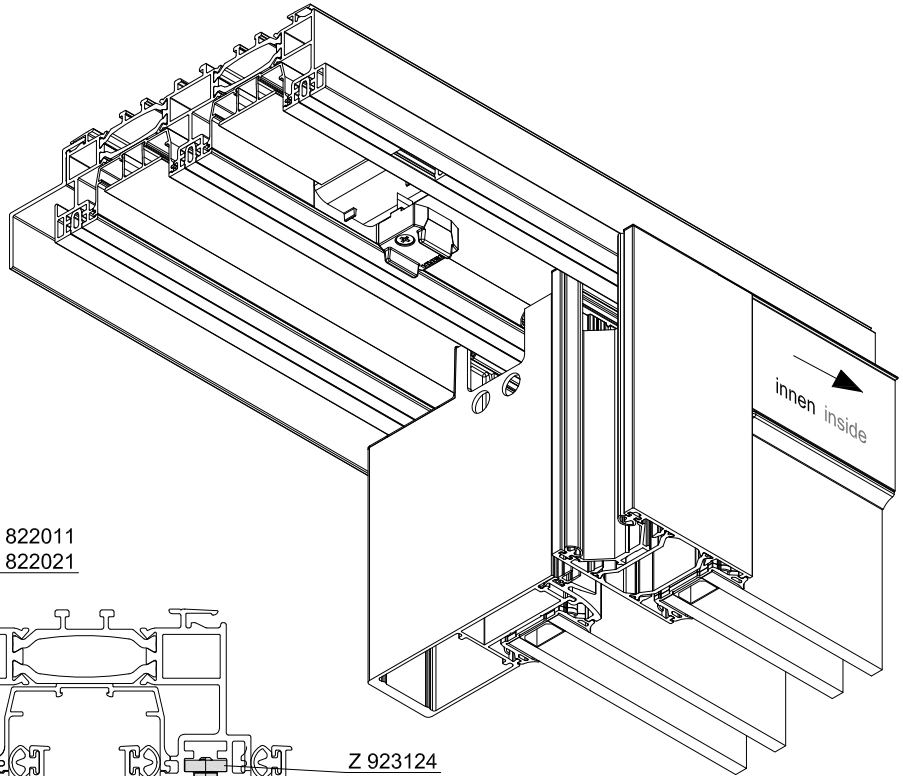


FLÜGELMONTAGE  
 SASH ASSEMBLY

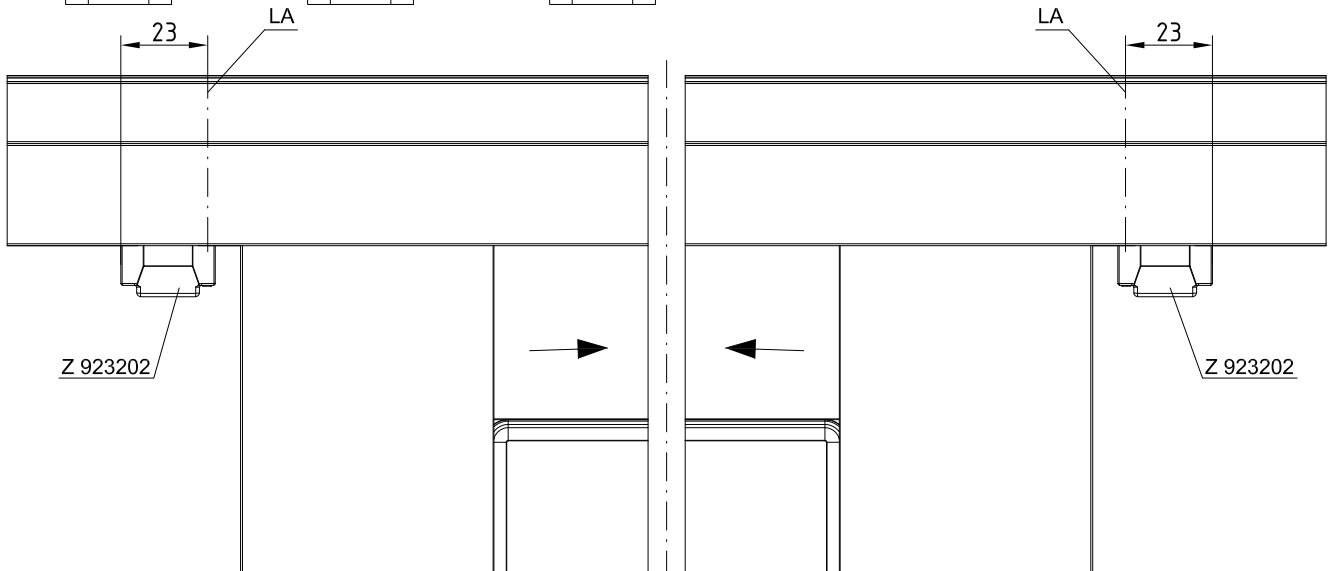
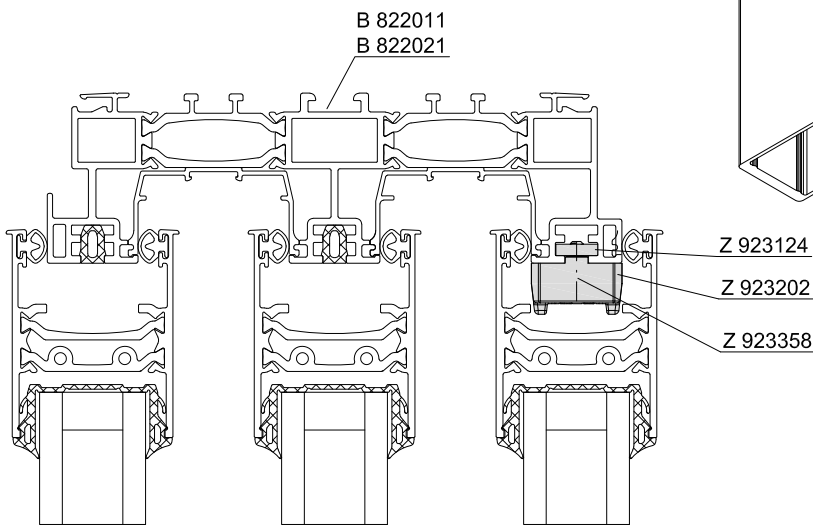


spiegelbildlich  
 mirror-inverted

dargestellt  
 shown

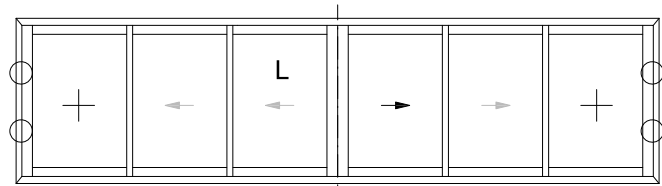


Offen  
 Open



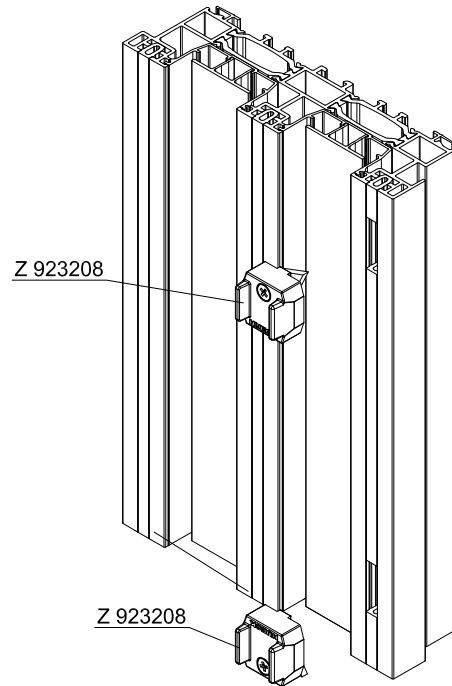
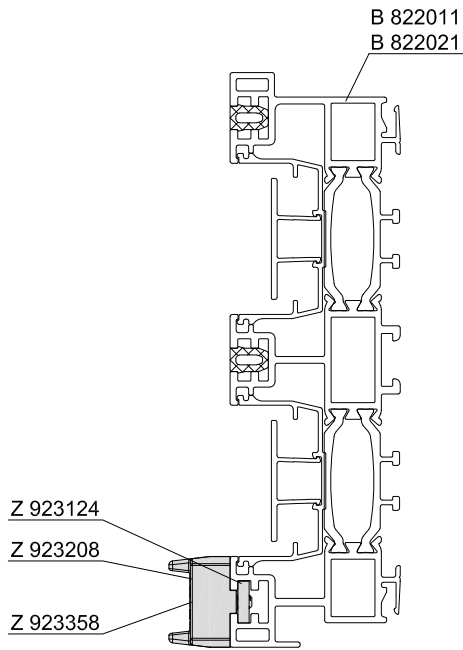


FLÜGELMONTAGE  
SASH ASSEMBLY

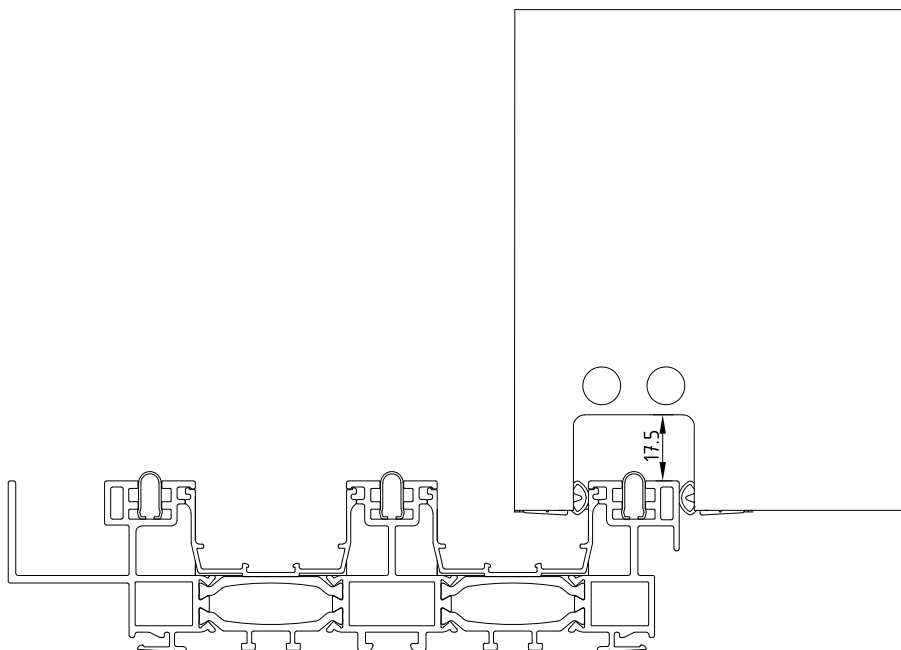
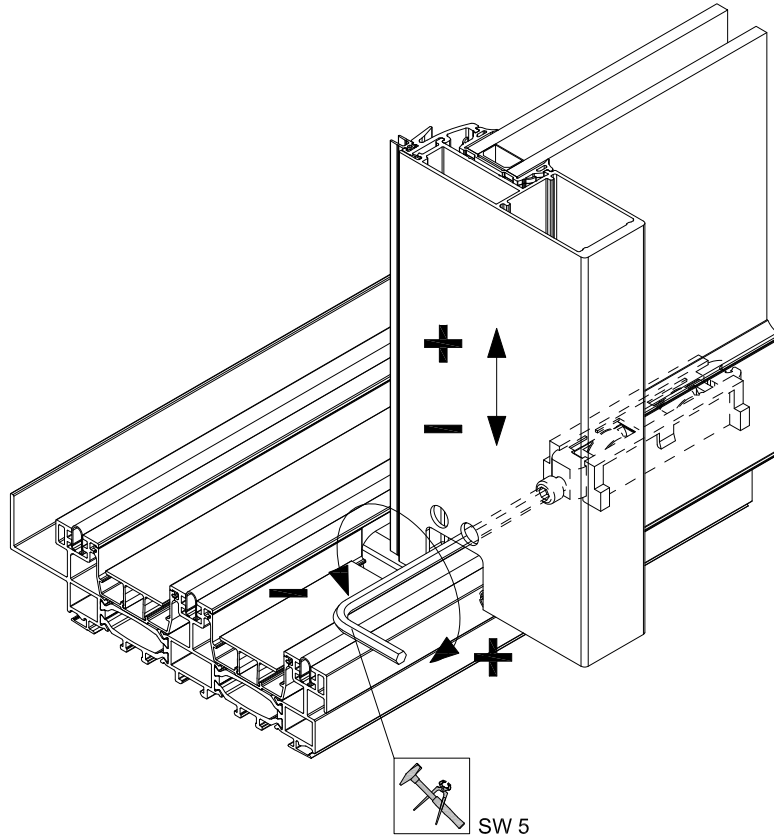
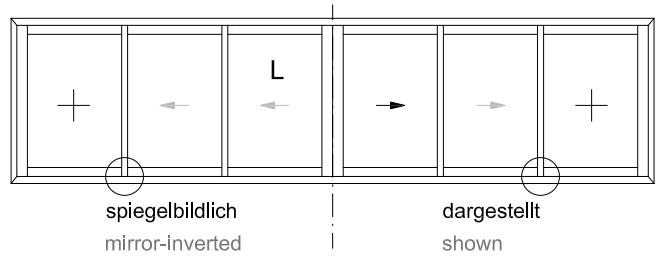


spiegelbildlich  
mirror-inverted

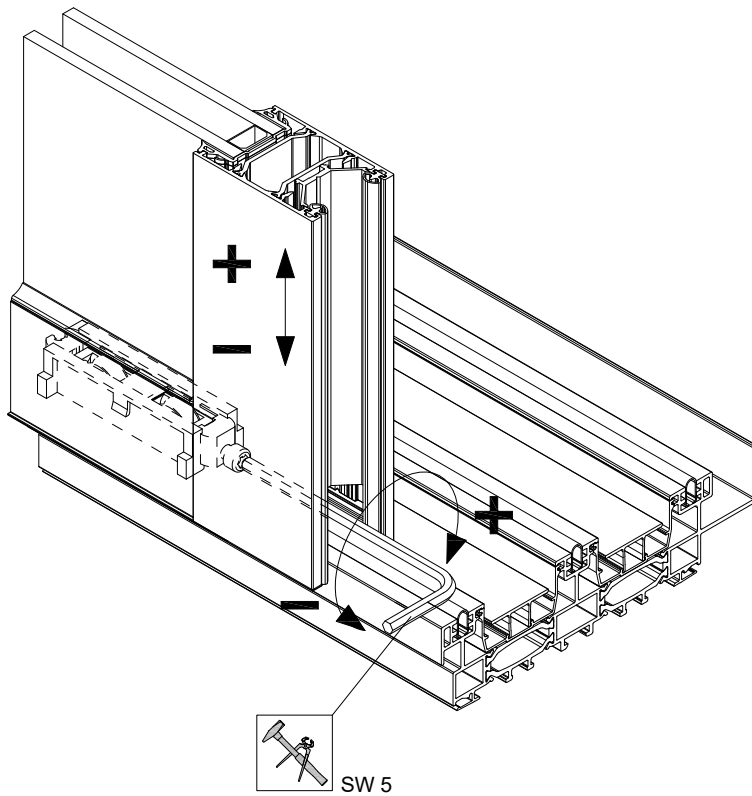
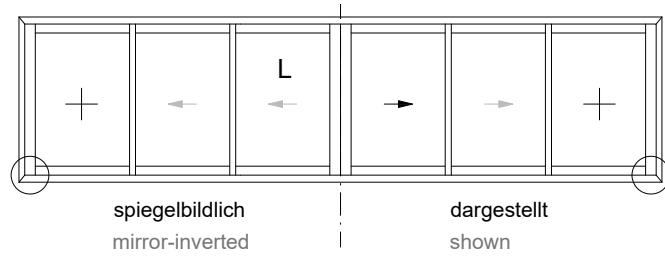
dargestellt  
shown



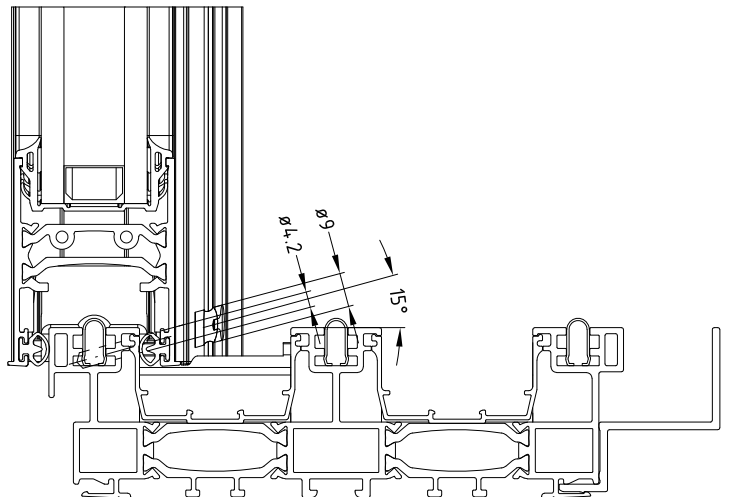
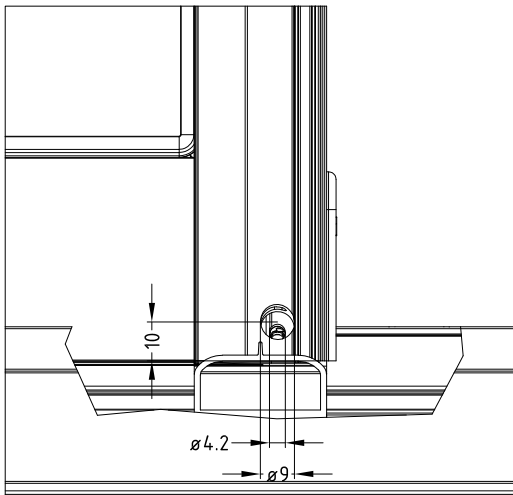
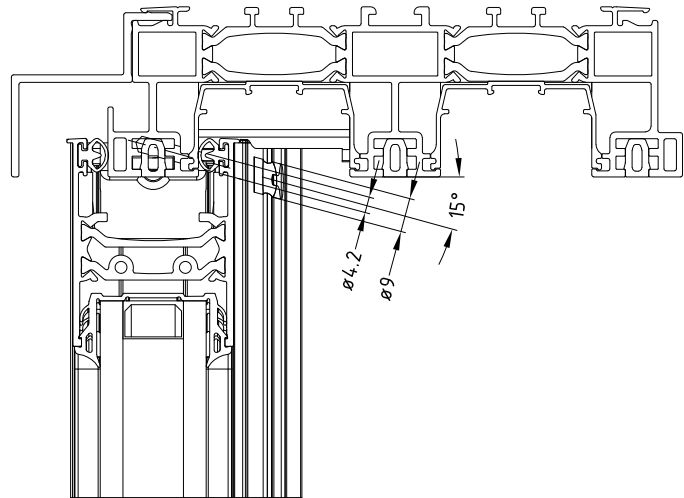
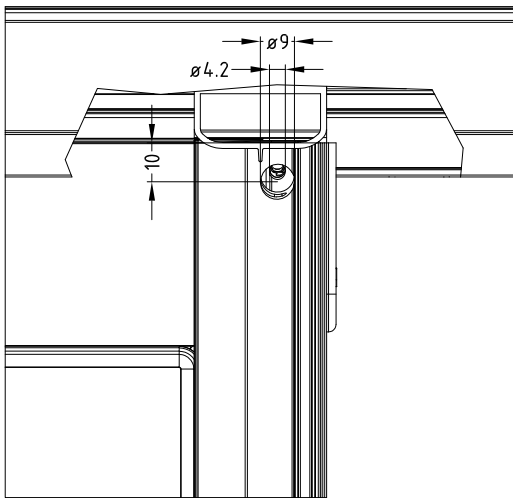
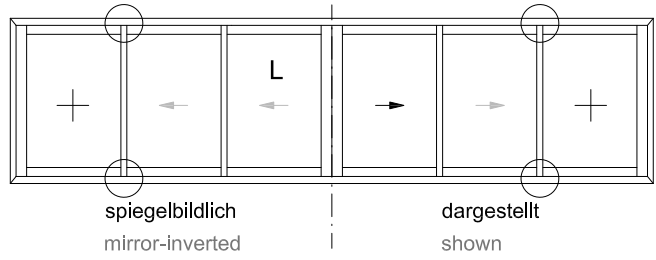
FLÜGELMONTAGE  
 SASH ASSEMBLY



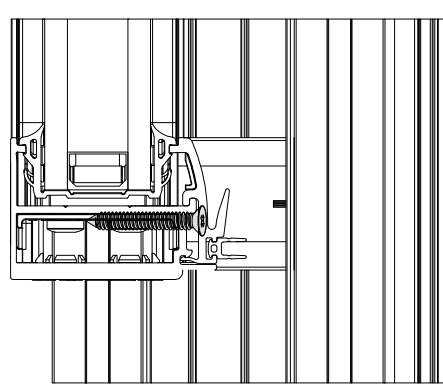
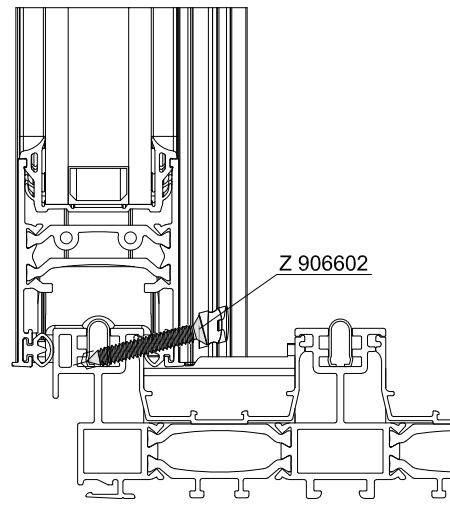
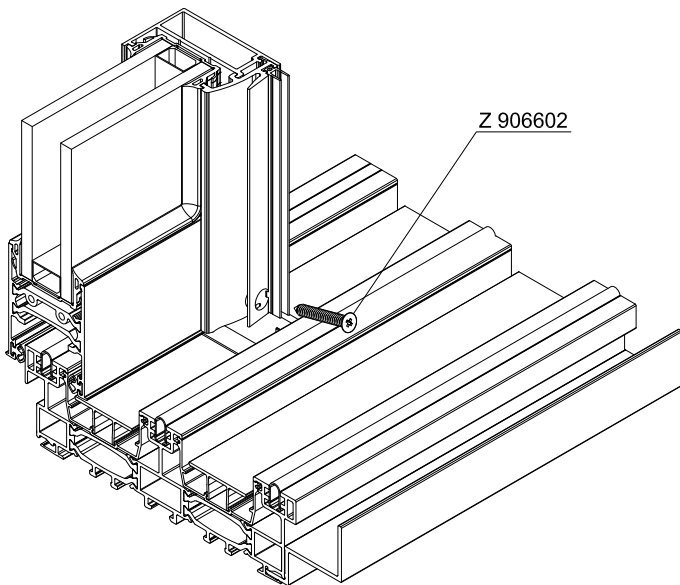
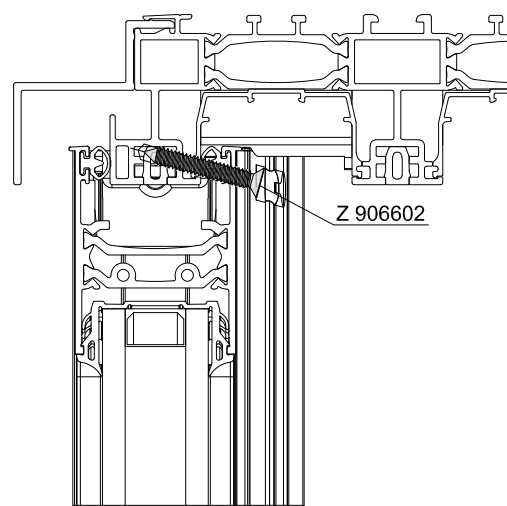
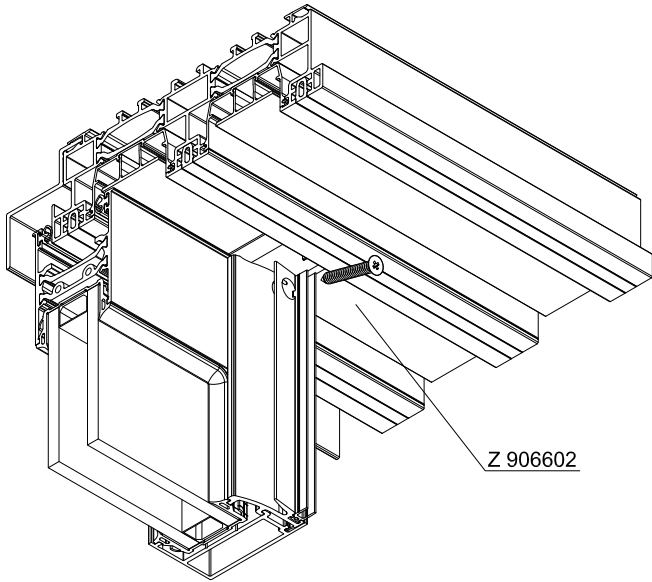
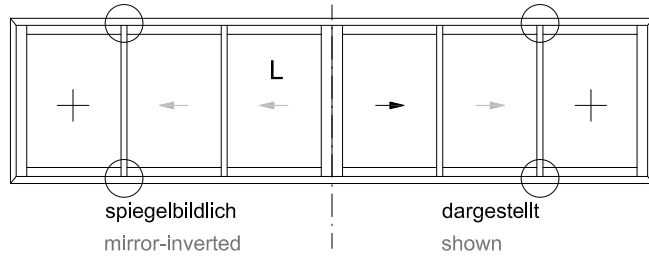
FLÜGELMONTAGE  
SASH ASSEMBLY

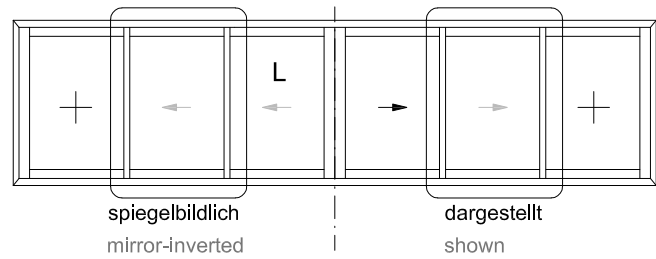


FLÜGELMONTAGE  
 SASH ASSEMBLY



FLÜGELMONTAGE  
SASH ASSEMBLY



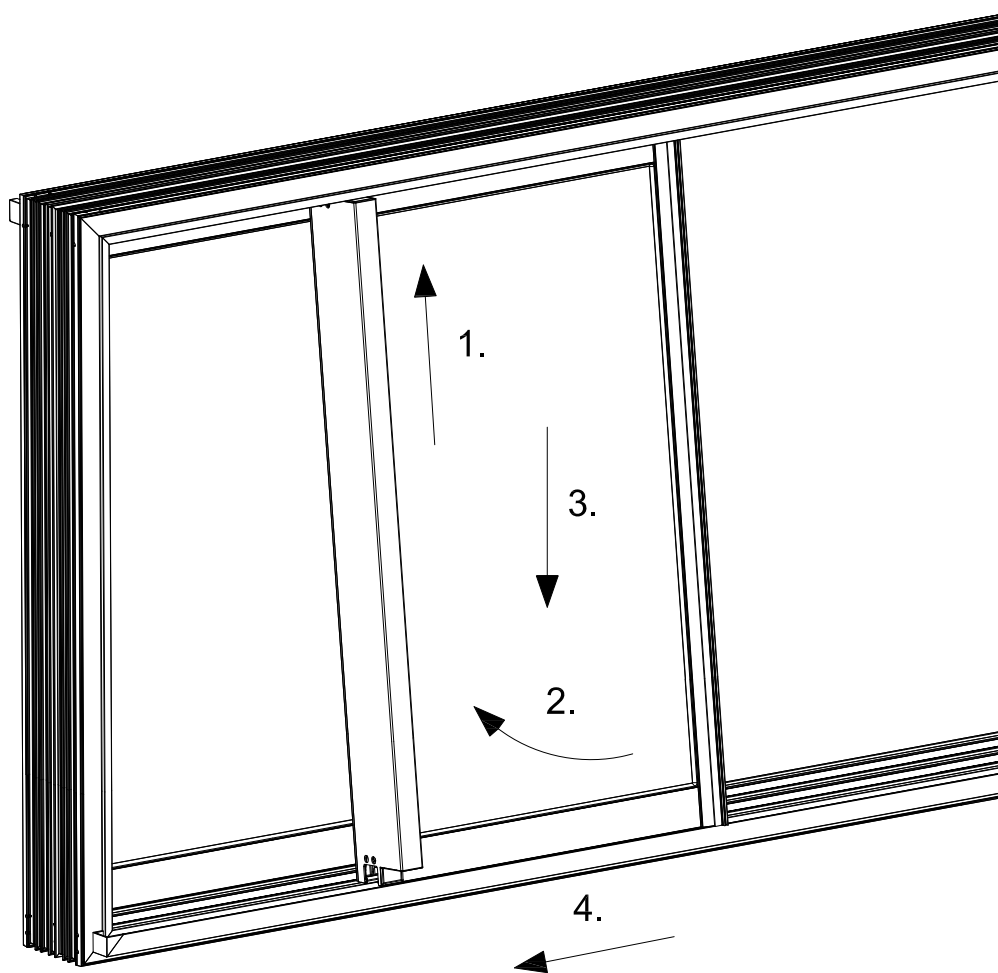


**Bearbeitungsschritte**

1. Mittleren Flügel montieren  
 (Siehe Kapitel Verarbeitung / Montage Flügel)
2. Mittleren Flügel einhängen

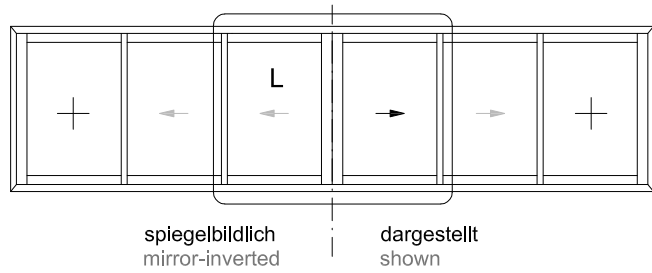
**Processing steps**

1. Assemble the middle sash  
 (see chapter processing / assembly sash)
2. Insert the middle sash



Ansicht von Innen  
 Inside view

FLÜGELMONTAGE  
SASH ASSEMBLY

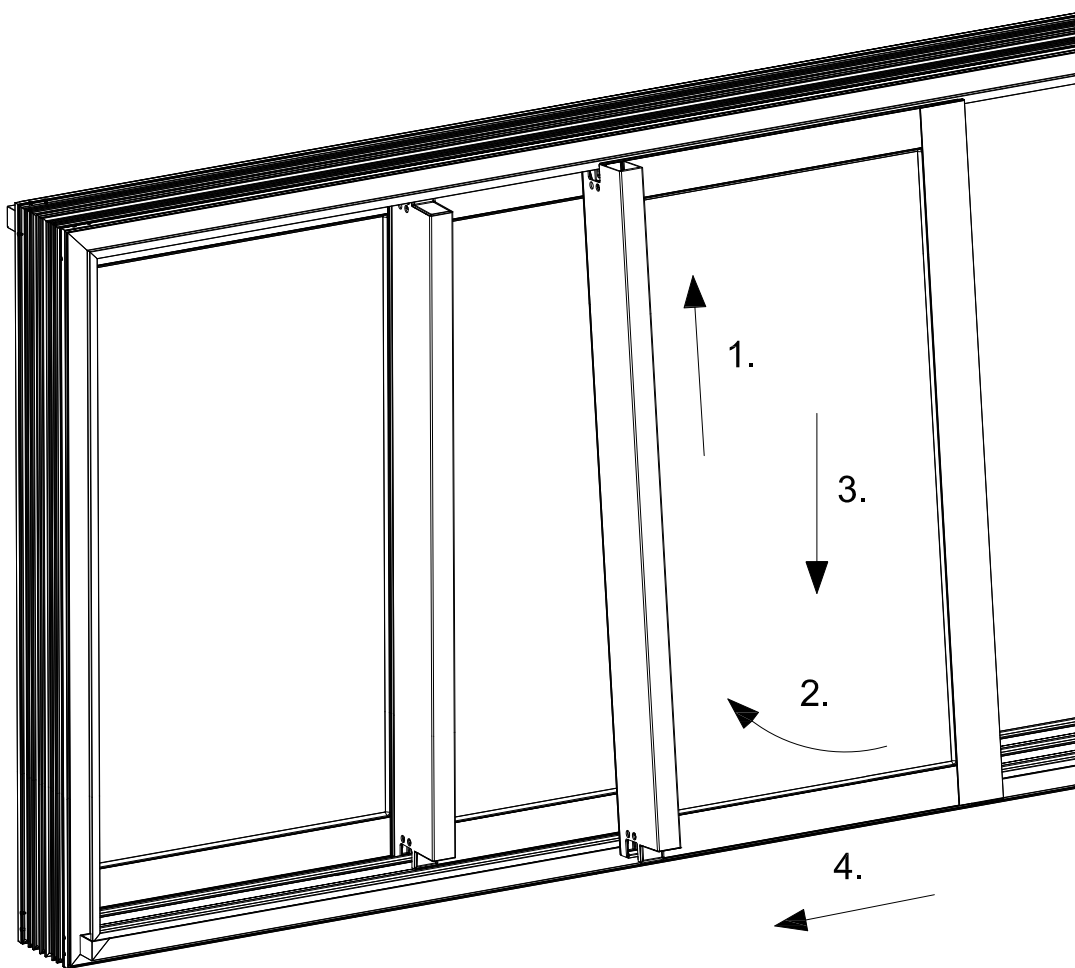


**Bearbeitungsschritte**

1. Inneren Flügel montieren (Siehe Kapitel Verarbeitung und Montage Flügel)
2. Inneren Flügel einhängen

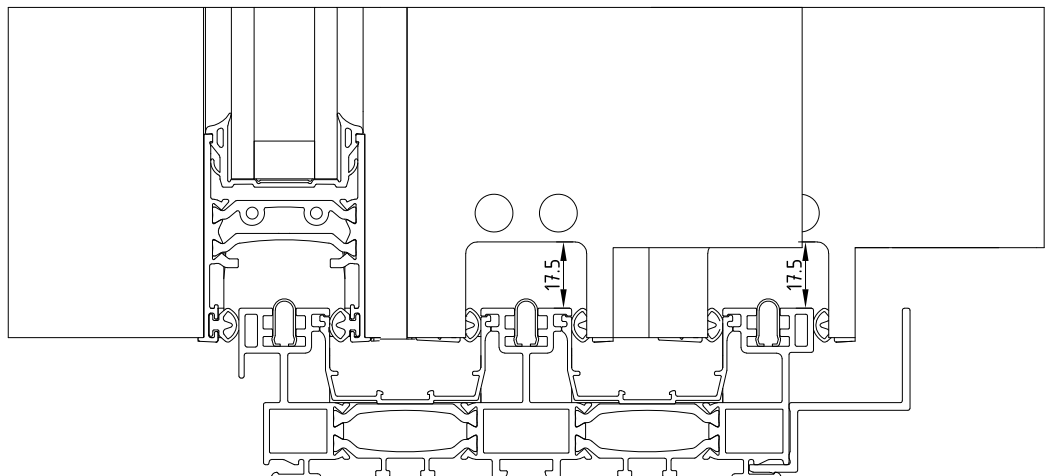
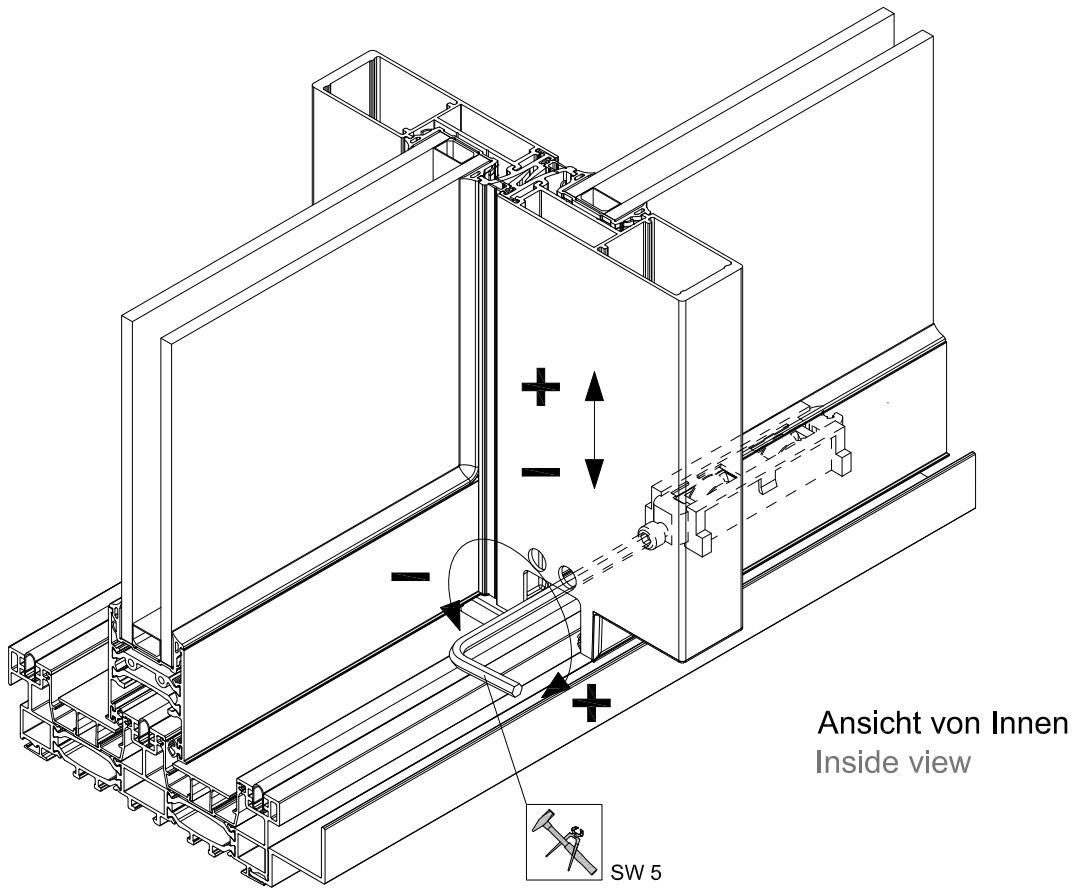
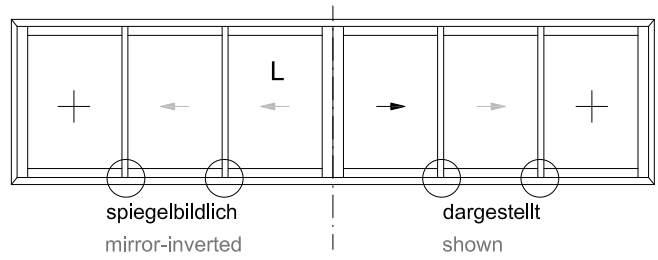
**Processing steps**

1. Assemble the inner sash (see chapter processing / assembly sash)
2. Insert the inner sash



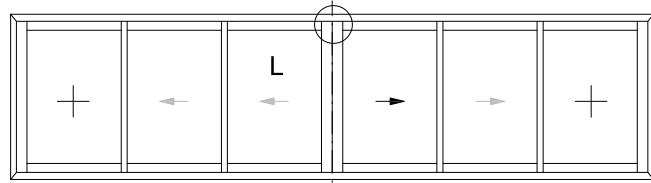
Ansicht von Innen  
Inside view

FLÜGELMONTAGE  
 SASH ASSEMBLY

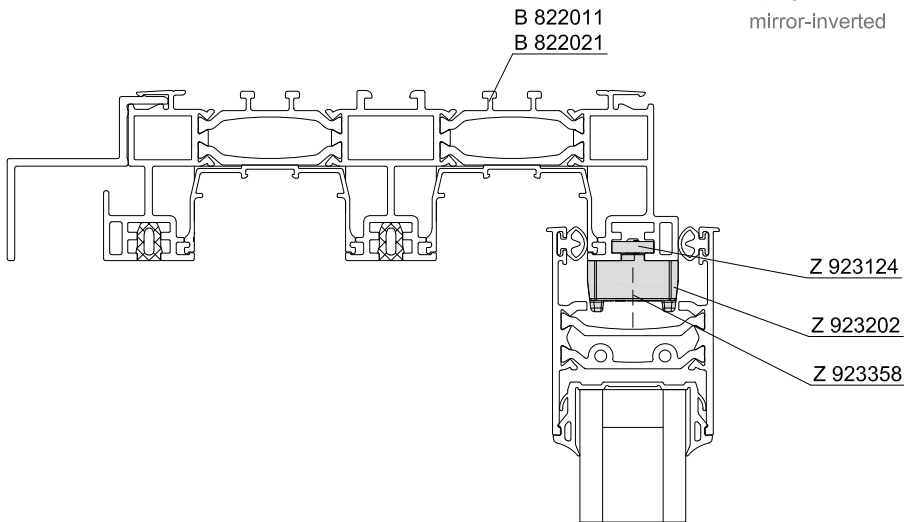




FLÜGELMONTAGE  
 SASH ASSEMBLY

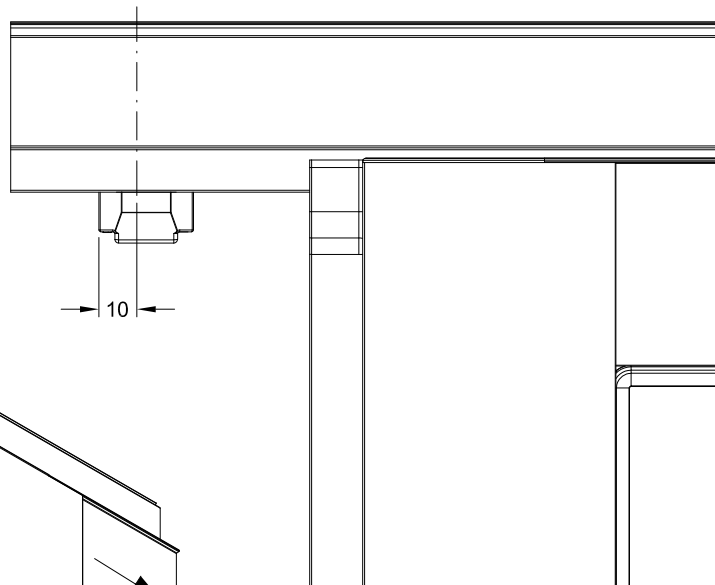


spiegelbildlich | dargestellt  
 mirror-inverted | shown

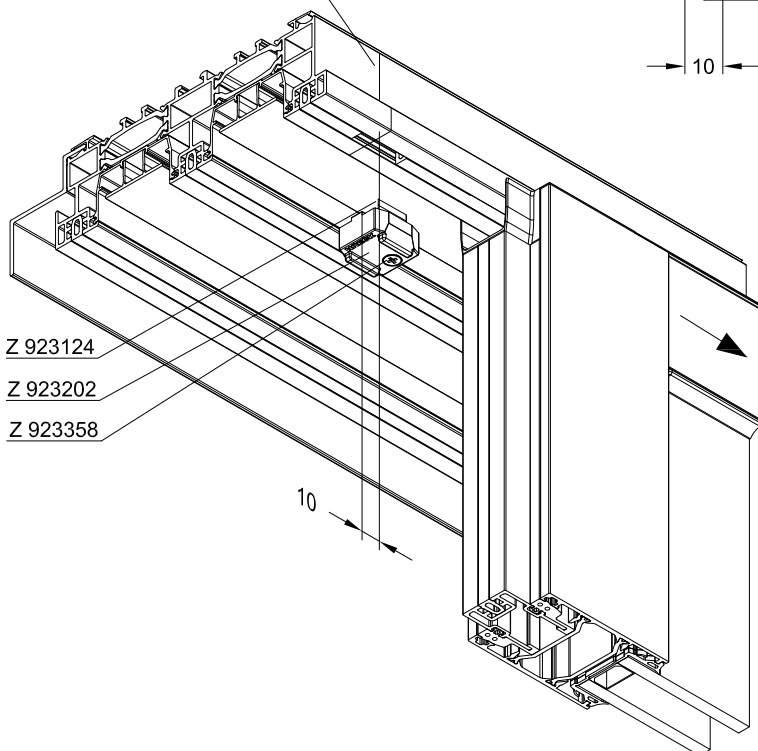


Ansicht von Innen  
 Inside view

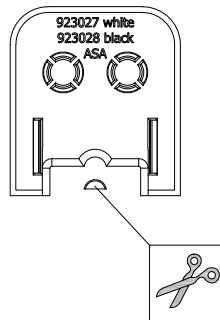
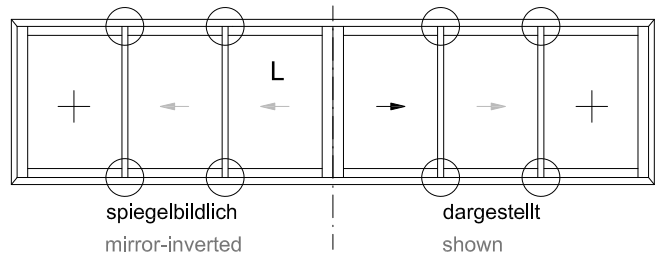
Rahmenmitte  
 Center frame



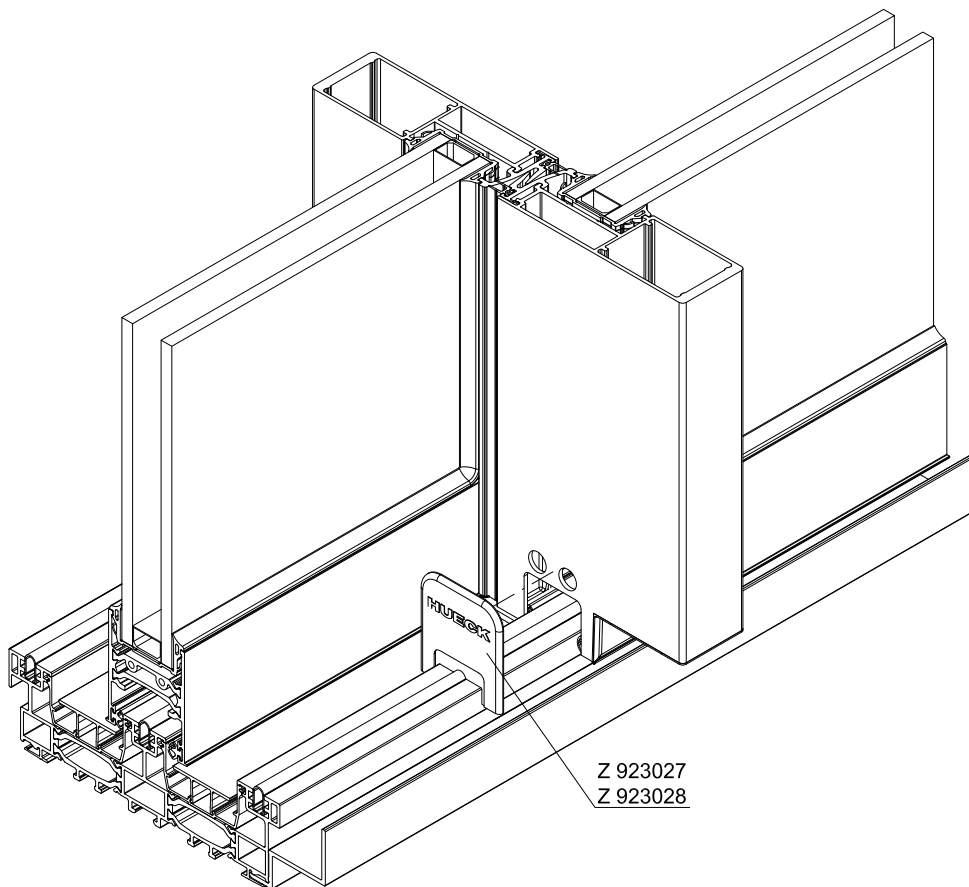
Rahmenmitte  
 Center frame



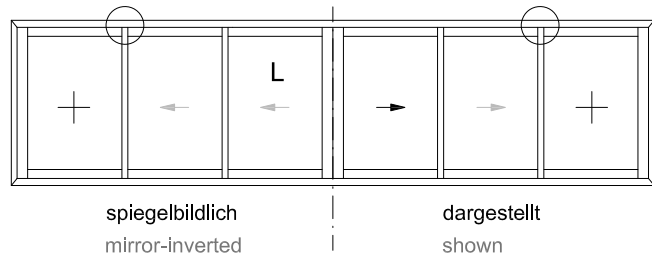
FLÜGELMONTAGE  
 SASH ASSEMBLY



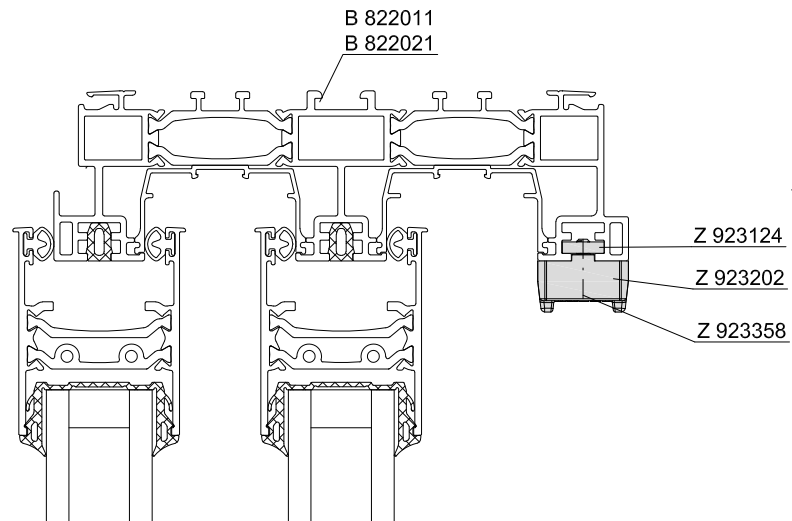
Nur unten  
 Only below



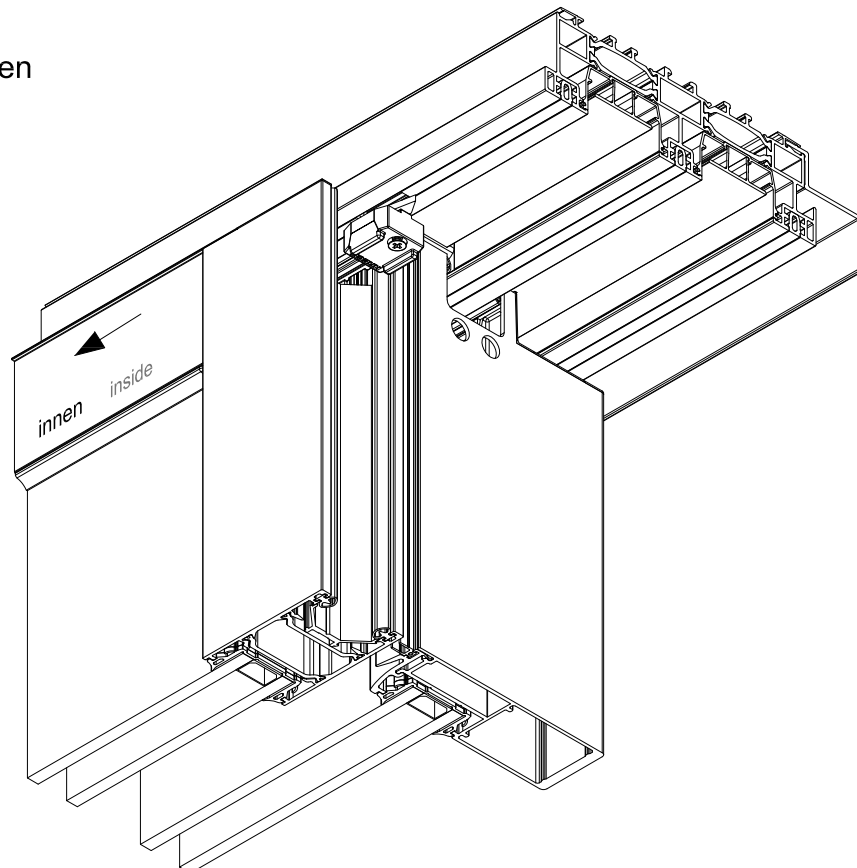
FLÜGELMONTAGE  
SASH ASSEMBLY



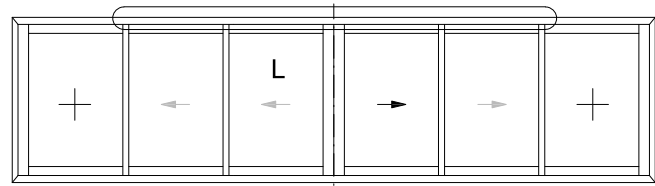
Offen  
Open



Ansicht von Innen  
Inside view



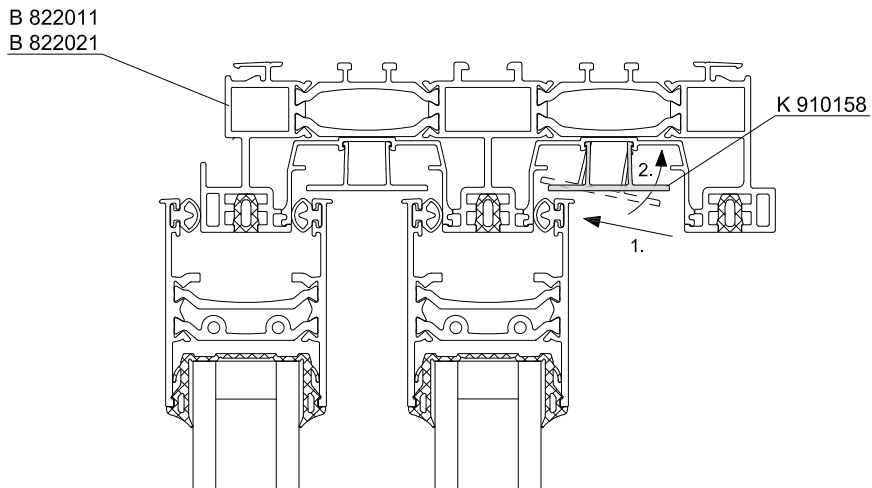
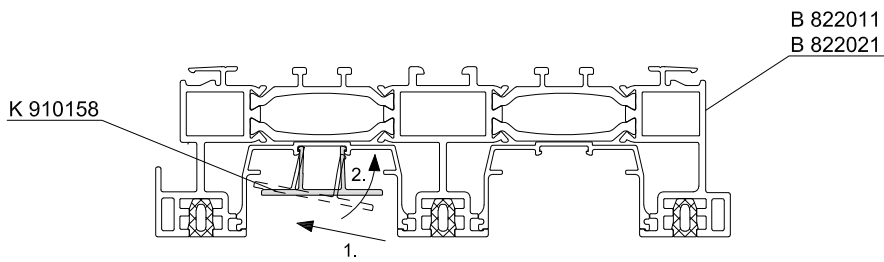
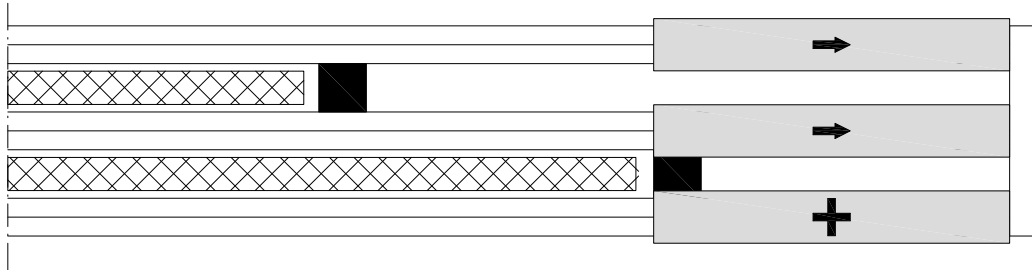
RAHMENMONTAGE  
 FRAME ASSEMBLY



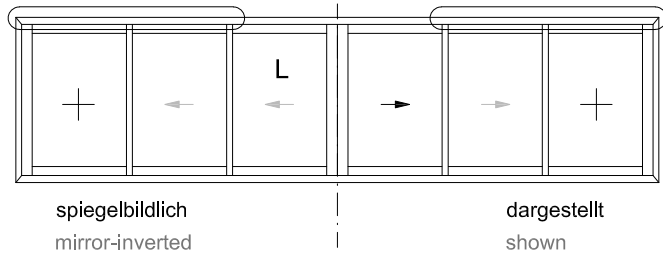
spiegelbildlich  
 mirror-inverted

dargestellt  
 shown

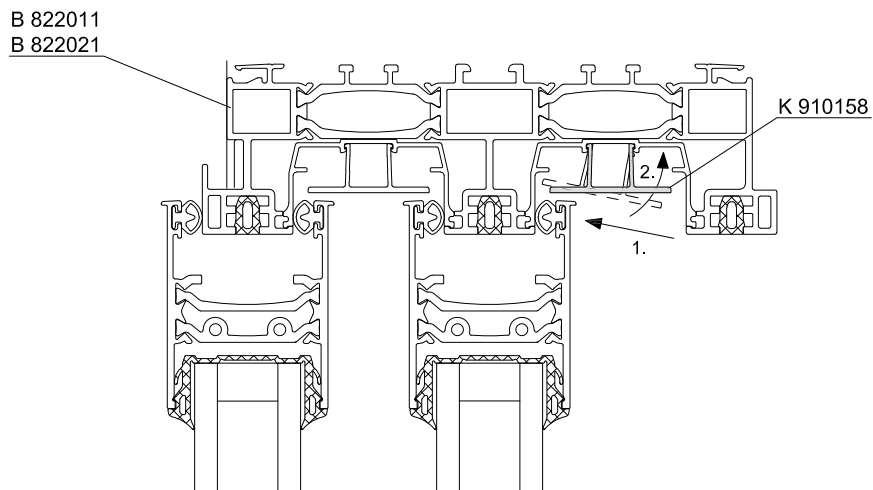
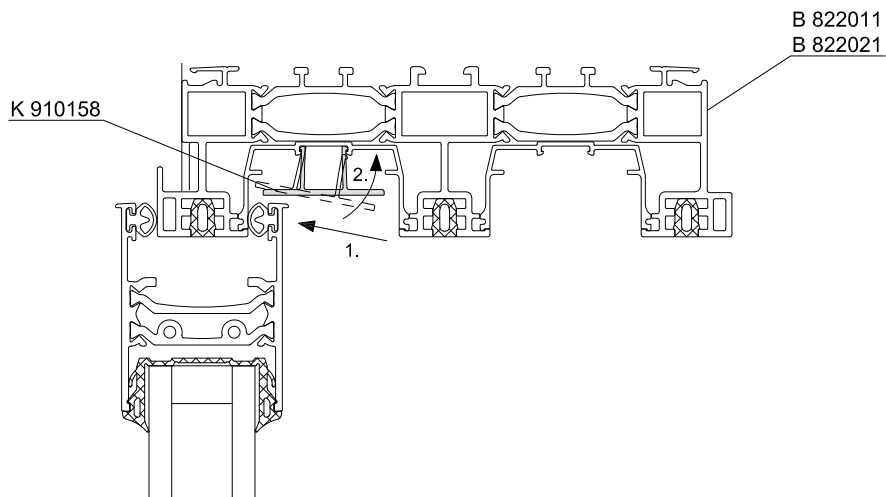
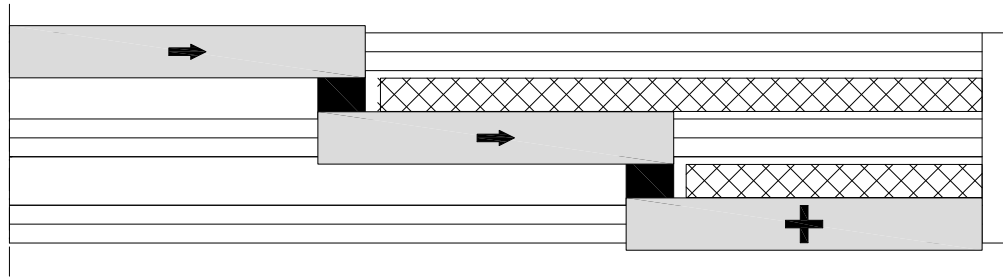
Optional  
 Optionally



RAHMENMONTAGE  
 FRAME ASSEMBLY



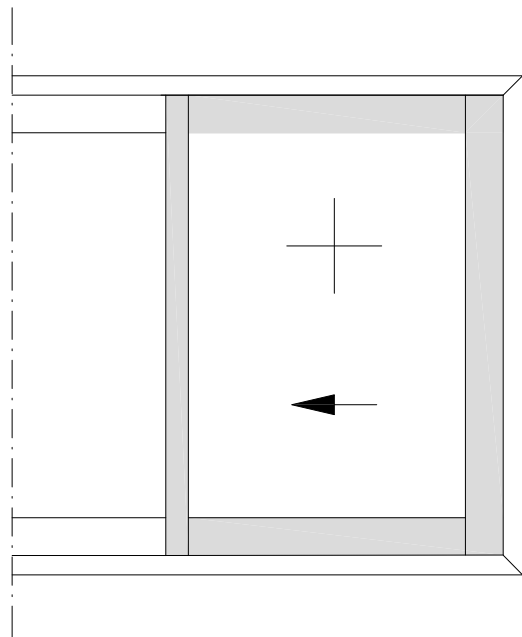
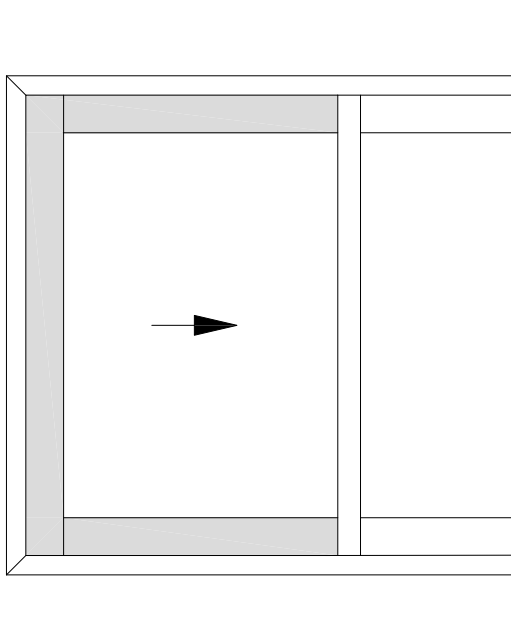
Optional  
 Optionally



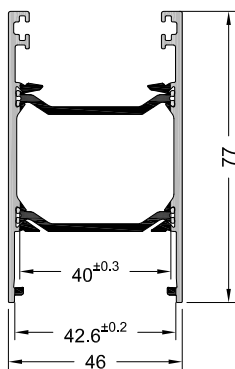
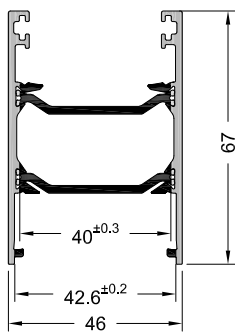
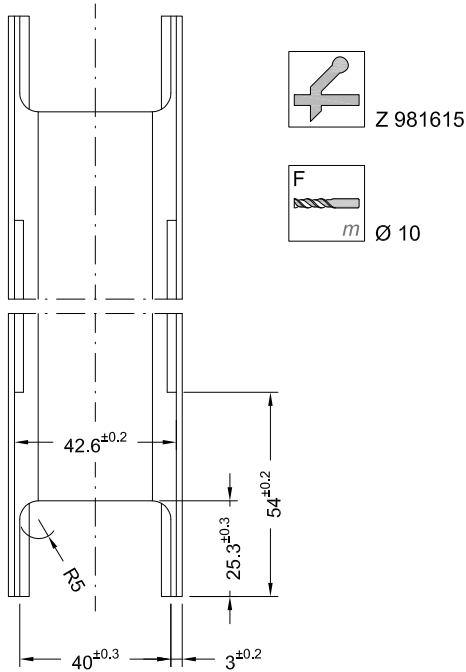


Innerer Flügel  
 Internal sash

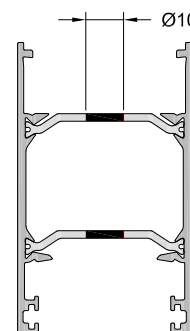
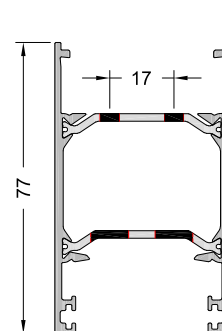
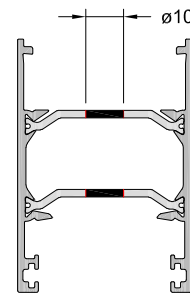
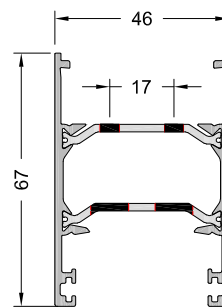
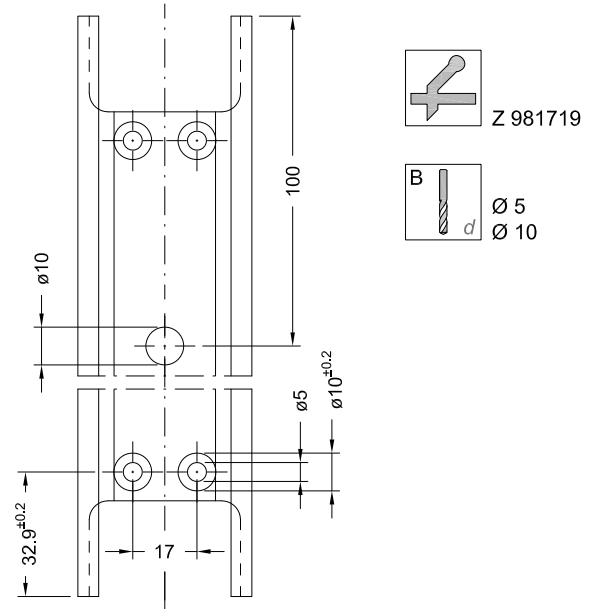
Äußerer Flügel  
 External sash



**B 822200 + B 822210**



**B 822200 + B 822210**

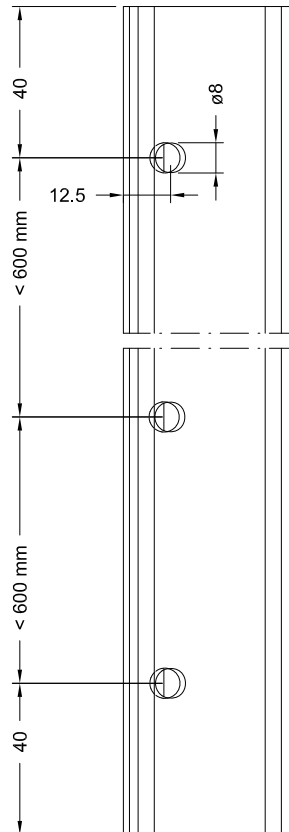
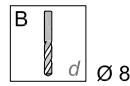
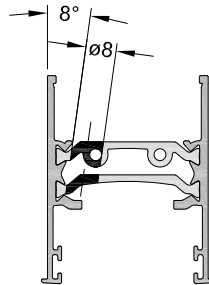






Bearbeitung Flügelbelüftung unten  
Processing for flush handle

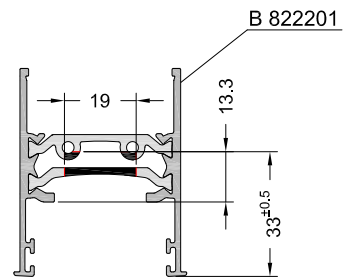
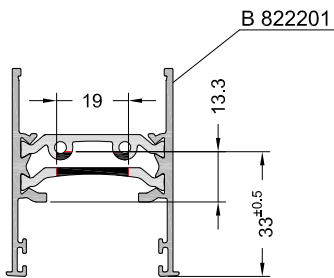
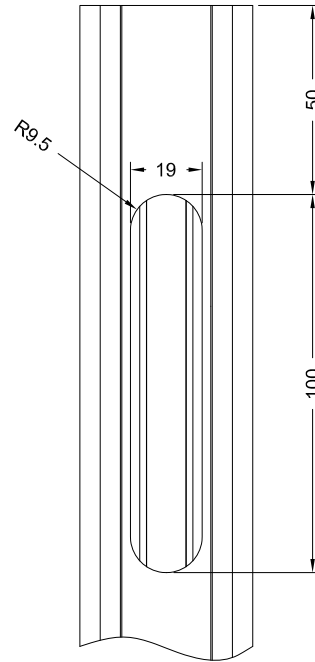
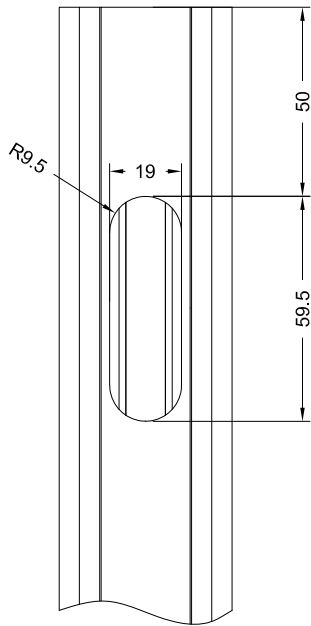
**B 822201**



Bearbeitung für Laufwagen Z 923234 (60 kg)  
 Processing for rollers Z 923234 (60 kg)

Bearbeitung für Laufwagen Z 923235 (120 kg)  
 Laufwagen Z 923236 (200 kg)

Processing for rollers Z 923235 (120 kg)  
 rollers Z 923236 (200 kg)

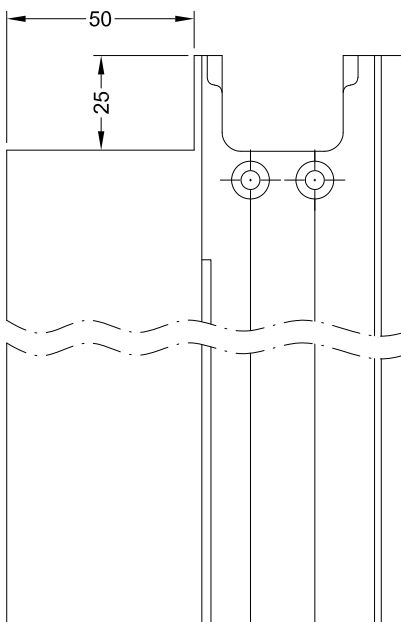


Ausnehmung nur bei Verwendung  
vom Zusatzprofil P 496456 oder  
Rahmenprofil B 822012, B 822013, B 822022  
oder B 822023!

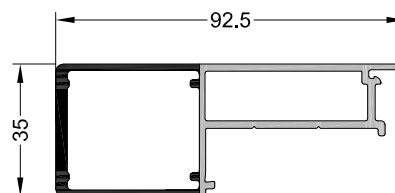
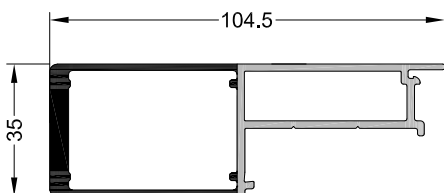
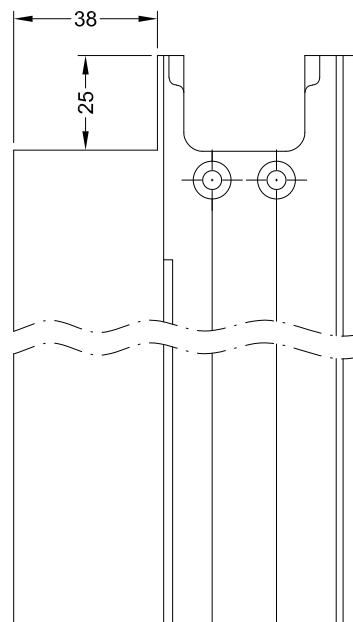
Recess only when using the  
additional profile P 496456  
or frame B 822012, B 822013, B 822022  
or B 822023!!



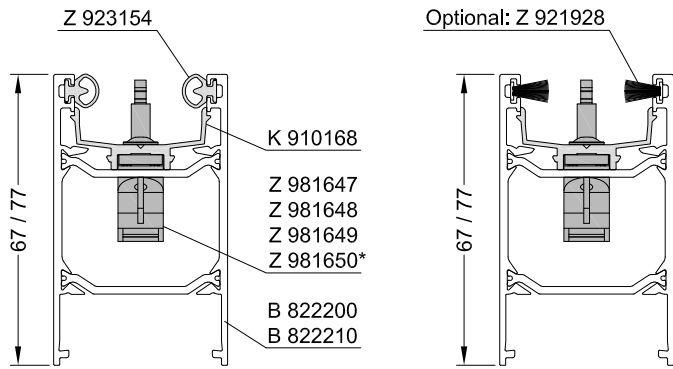
**P 821602**



**P 821601**



FLÜGELMONTAGE  
SASH ASSEMBLY



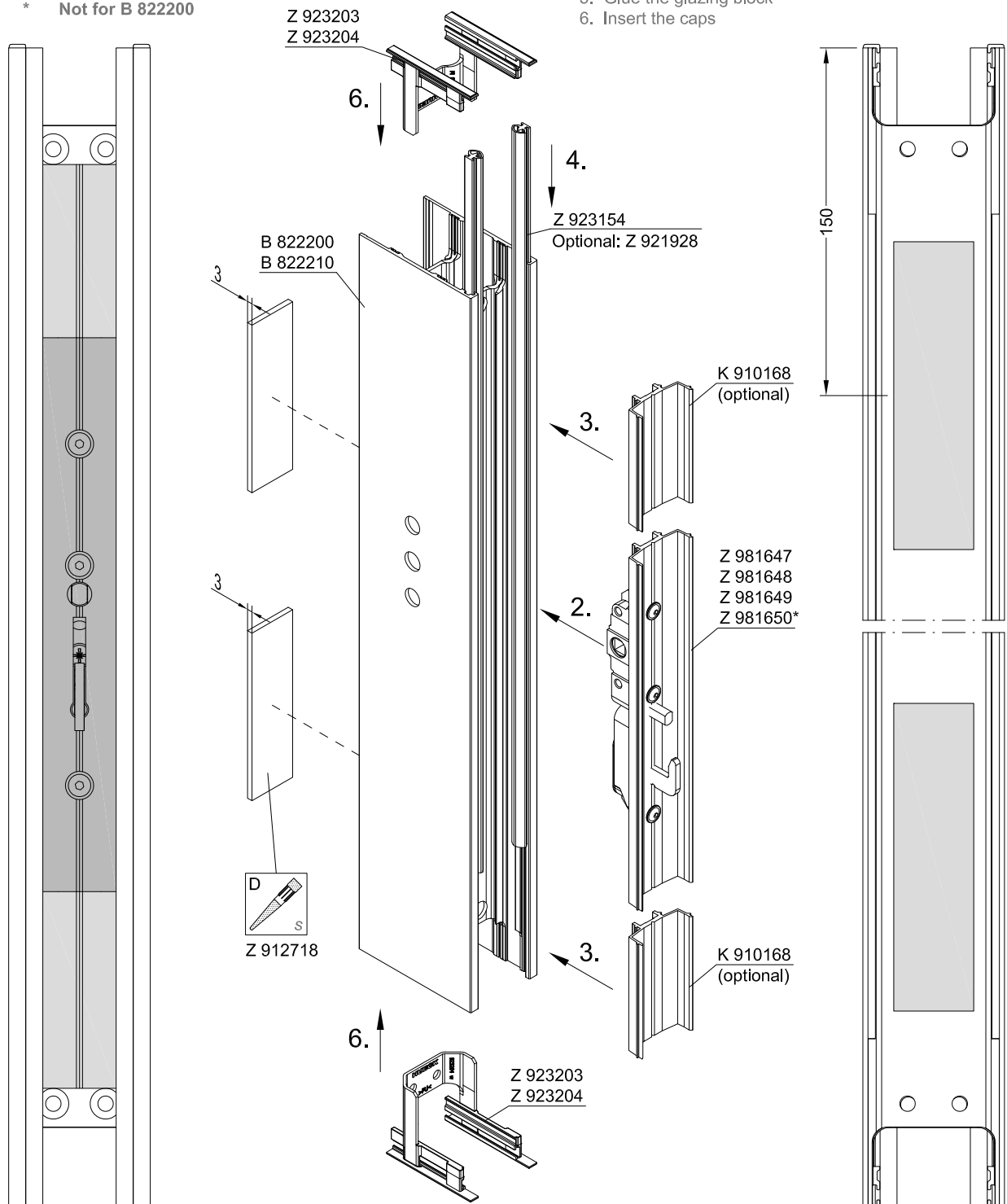
\* Nicht bei B 822200  
\* Not for B 822200

**Bearbeitungsschritte**

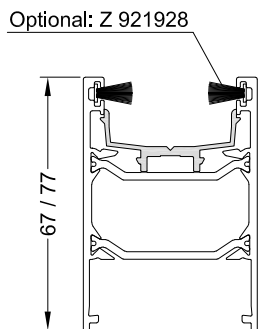
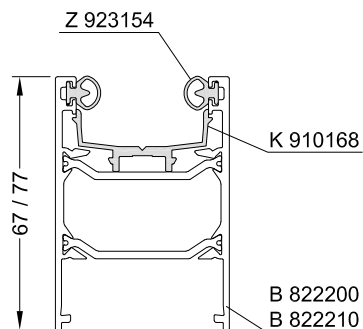
1. Profil bearbeiten (siehe Kapitel Flügelbearbeitung)
2. Schloss einklipsen (keine Schlossausfräsung bei festem Flügel Schema A, C, E und L)
3. K 910168 einsetzen (optional)
4. Dichtungen beidseitig einziehen
5. Verglasungsklotz ankleben
6. Endkappen einsetzen

**Processing steps**

1. Machining the profiles (see chapter sash processing)
2. Install the lock ( no lock cut-out with fixed wing scheme A, C, E and L)
3. Insert K 910168 (optional)
4. Insert gasket on both side
5. Glue the glazing block
6. Insert the caps



FLÜGELMONTAGE  
SASH ASSEMBLY

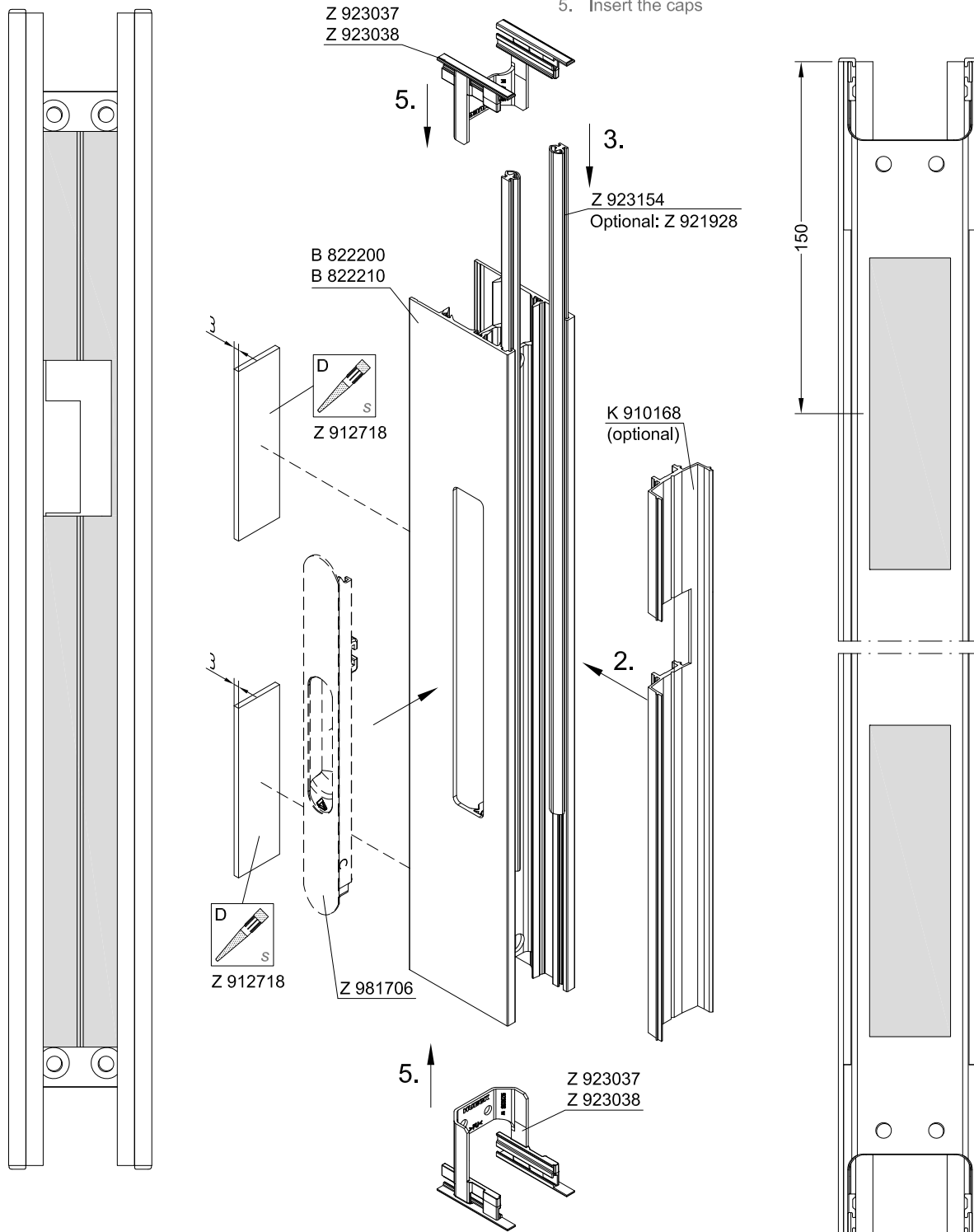


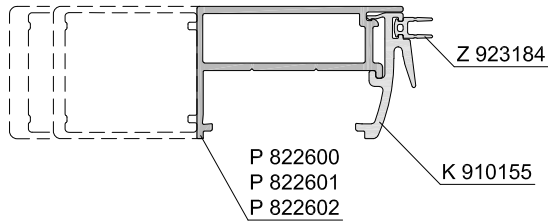
**Bearbeitungsschritte**

1. Profile P 822200 und K 910168 (optional) bearbeiten (siehe Kapitel Flügelbearbeitung, keine Fräsung für Griffmuschel bei festem Flügel Schema A,C,E und L)
2. K 910168 einsetzen (optional)
3. Dichtungen beidseitig einziehen
4. Verglasungsklotz ankleben
5. Endkappen einsetzen

**Processing steps**

1. Machining the profiles P 822200 and K 910168 (optional) (see chapter sash processing, no milling for grip with fixed wing scheme A, C, E and L)
2. Insert K 910168 (optional)
3. Insert gasket on both side
4. Glue the glazing block
5. Insert the caps



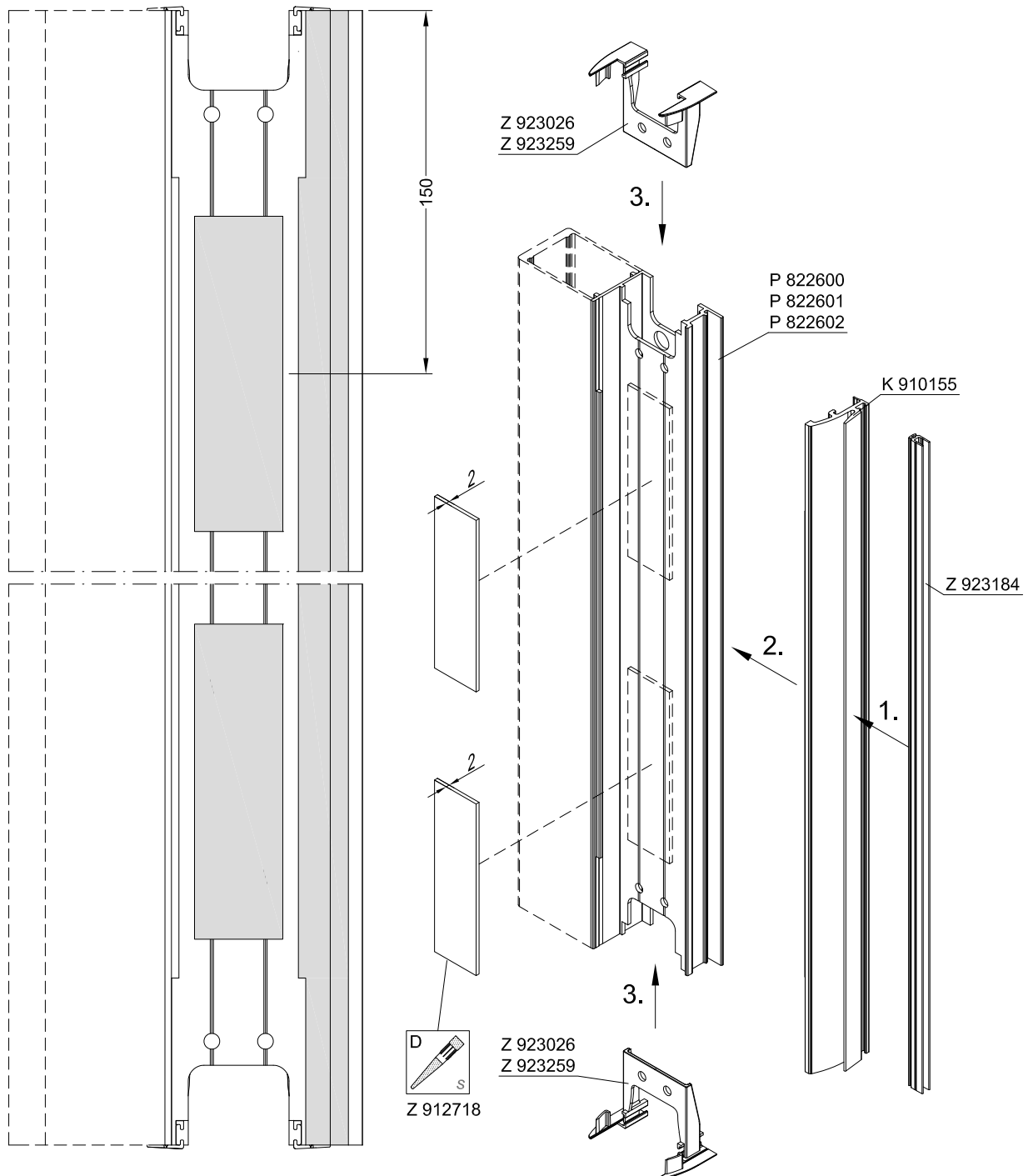


**Bearbeitungsschritte**

1. Profil bearbeiten (siehe Kapitel Flügelbearbeitung)
2. Dichtung Z 923184 einziehen
3. Verglasungsklotz ankleben
4. Endkappen einsetzen

**Processing steps**

1. Machining the profiles (see chapter sash processing)
2. Insert gasket Z 923184
3. Glue the glazing block
4. Insert the caps



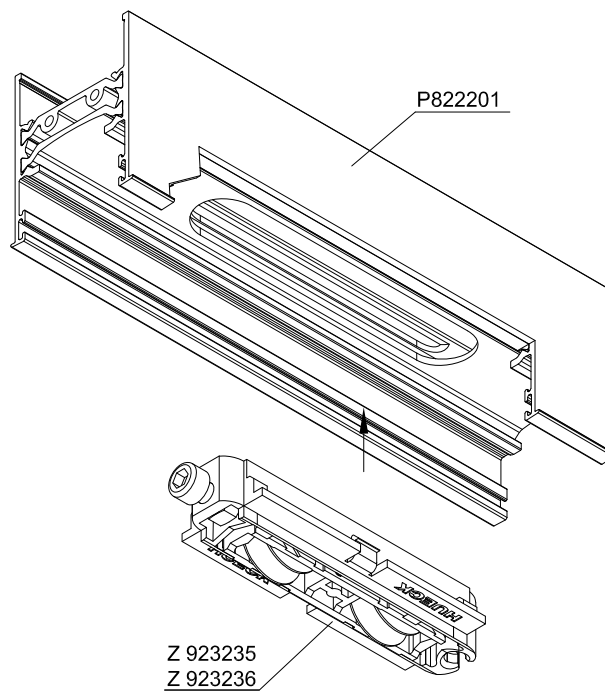
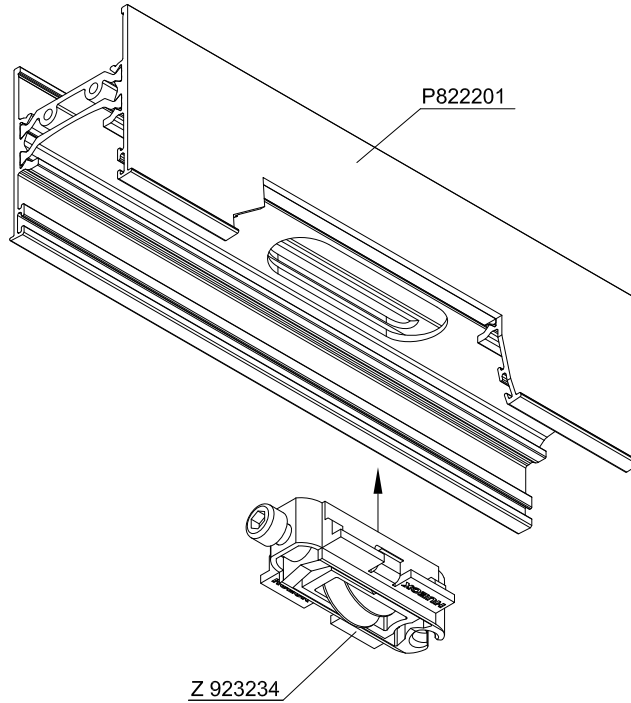
FLÜGELMONTAGE  
SASH ASSEMBLY

**Bearbeitungsschritte für**

1. Laufwagen einklipsen

**Processing steps**

1. Clip in the rollers

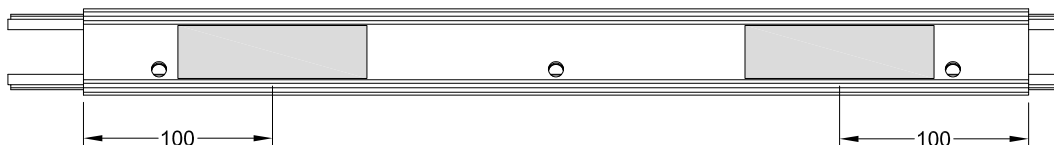
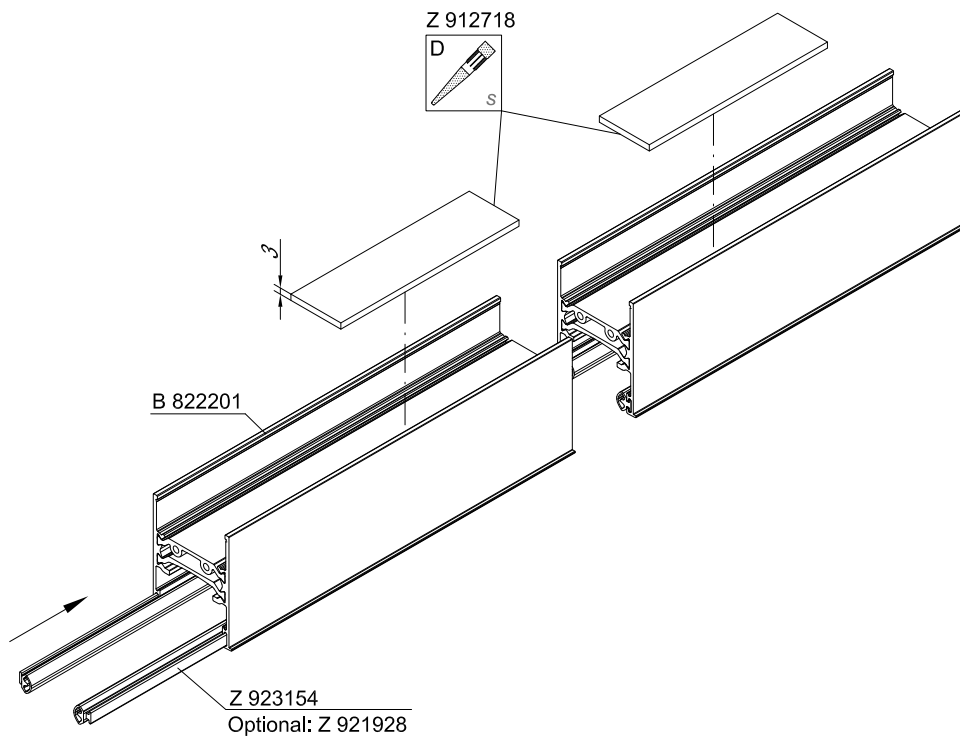
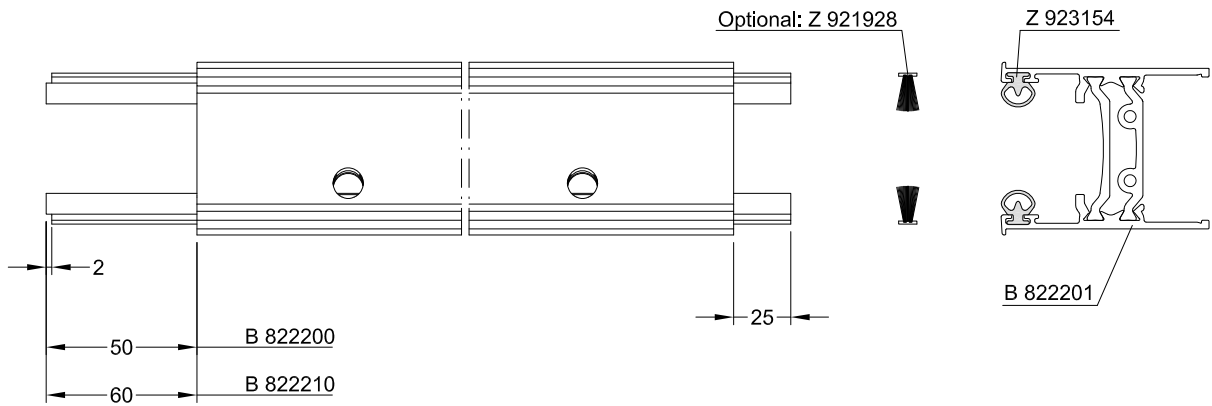


**Bearbeitungsschritte**

1. Dichtungen beidseitig einziehen
2. DichtungsfüÙe ausklinken
3. VerglasungsklöÙe aufkleben

**Processing steps**

1. Insert gaskets
2. Cut the gaskets
3. Glue the glazing blocks



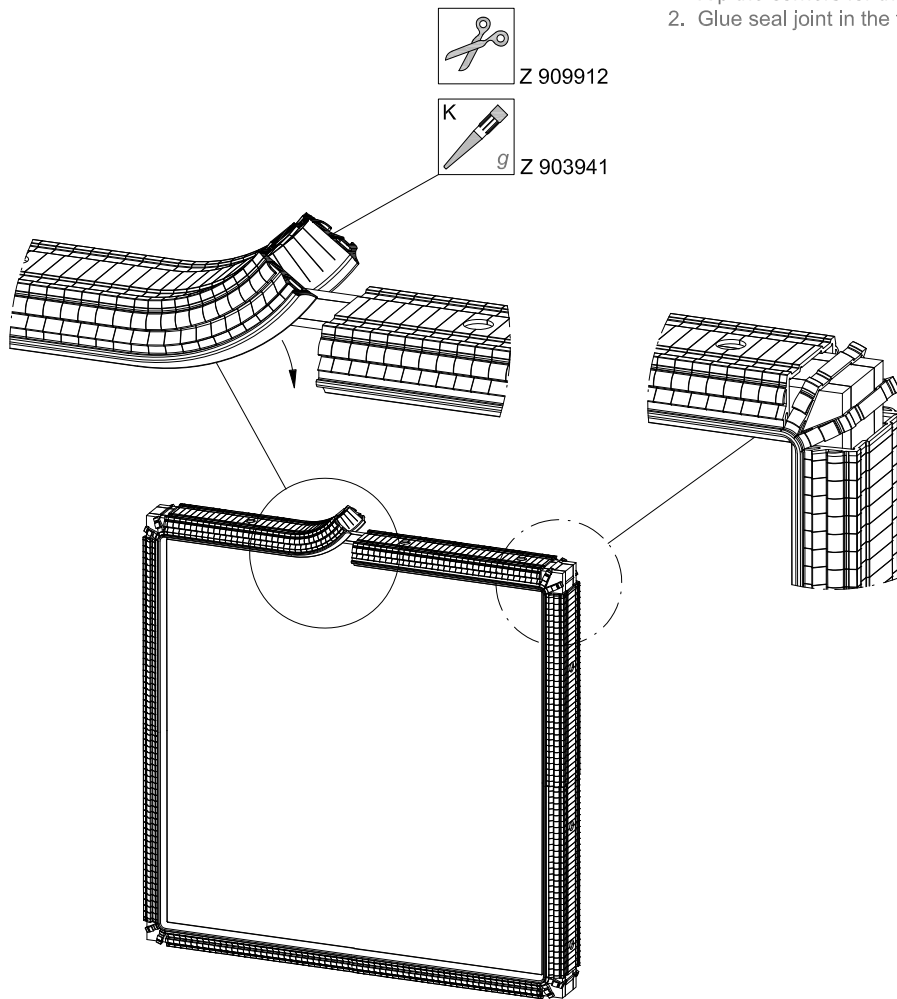


**Bearbeitungsschritte**

1. Oben mittig beginnend, die Dichtung umlaufend um das Glas ziehen.  
Die Ecken hierfür an den Vorstanzungen aufreißen
2. Dichtungsstoß oben mittig verkleben

**Processing steps**

1. Starting at the top center, put on the gasket continuously to the glass.  
Rip the corners for this at the pre-cuts
2. Glue seal joint in the top center



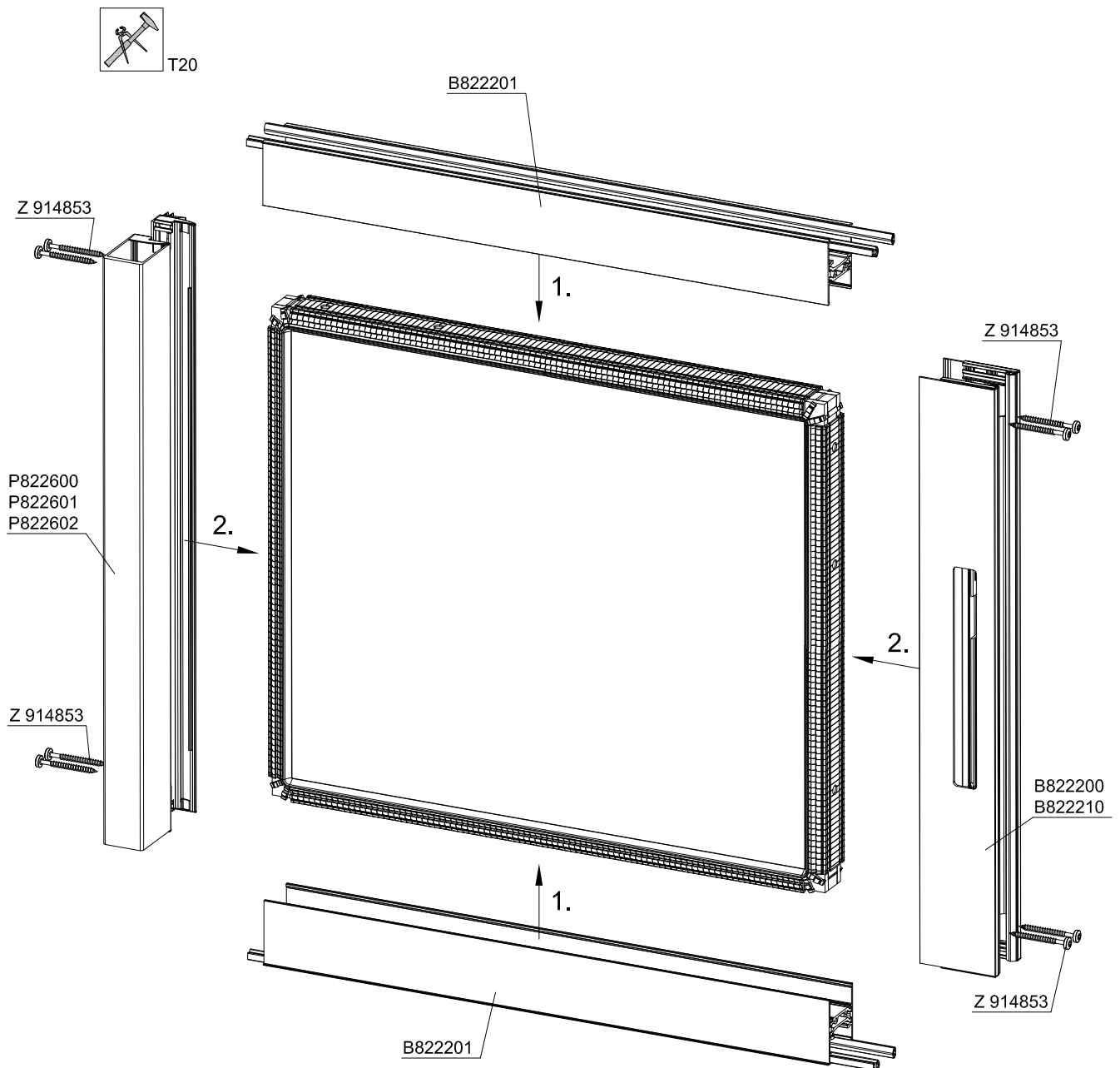
Füllungsdicke Filling thickness	Artikelnummer Article number
24 mm	Z 923298
26 mm	Z 923299
28 mm	Z 923300
30 mm	Z 923301
32 mm	Z 923302

**Bearbeitungsschritte**

1. Profile aufstecken
2. Mit Z 914853 verschrauben

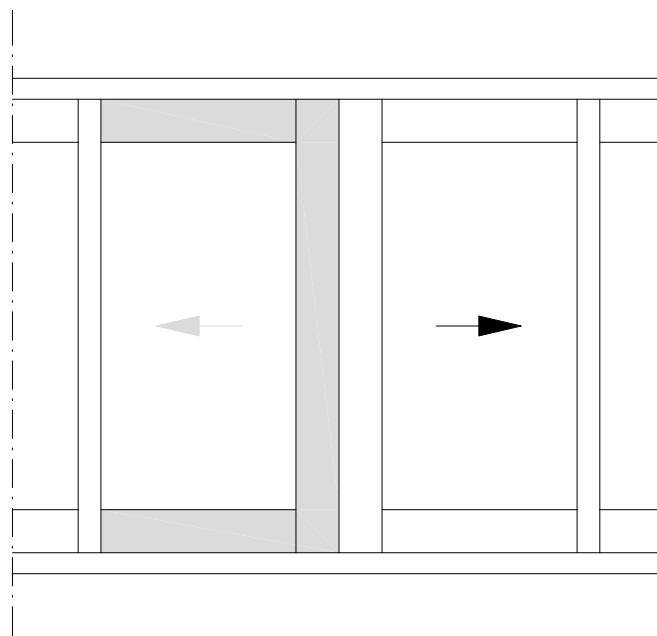
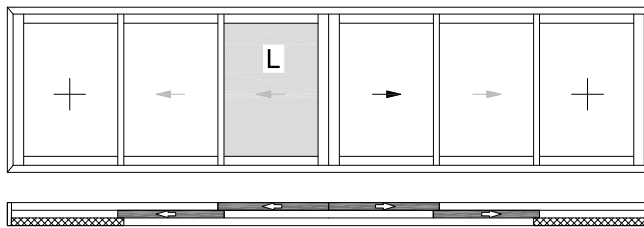
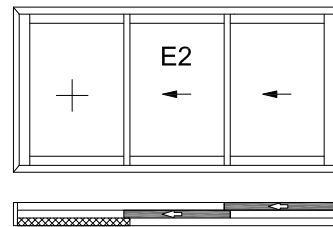
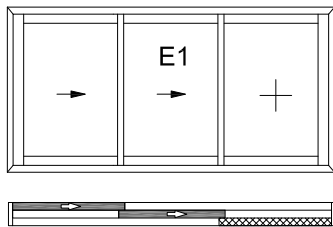
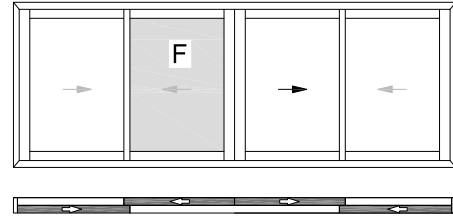
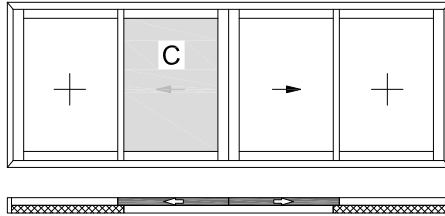
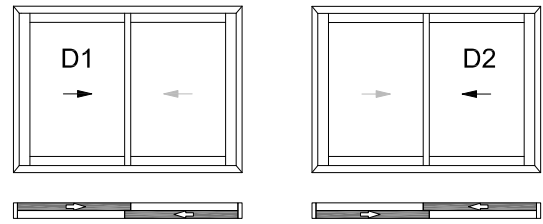
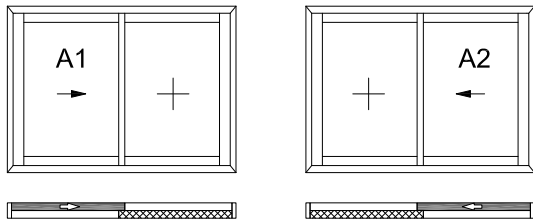
**Processing steps**

1. Plug profiles
2. Screw together with Z 914853

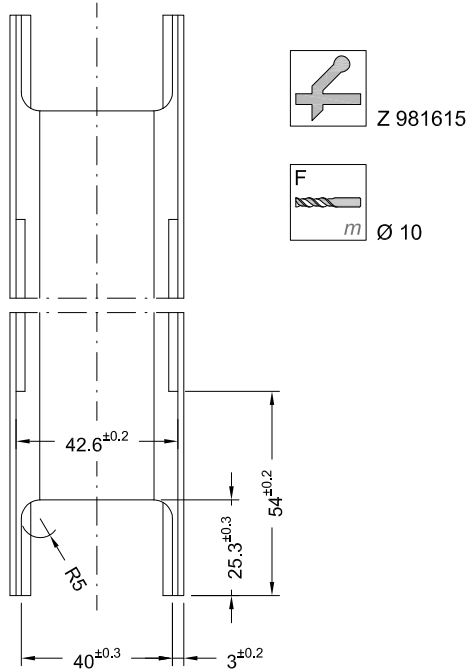




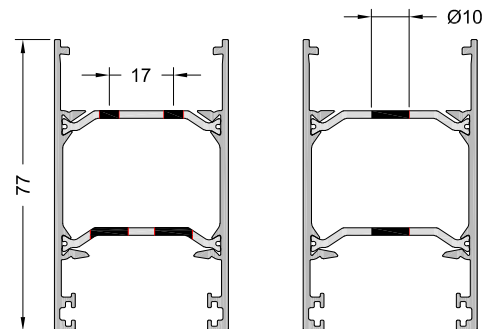
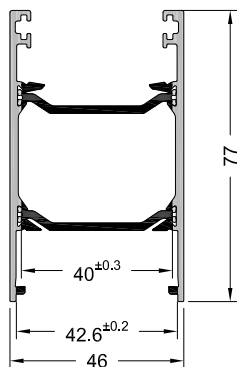
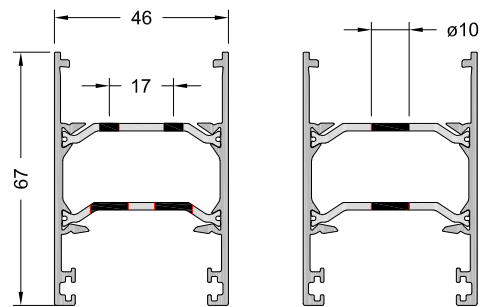
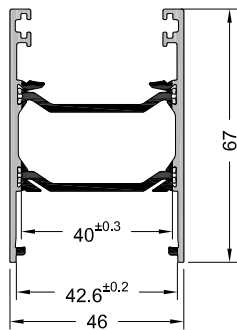
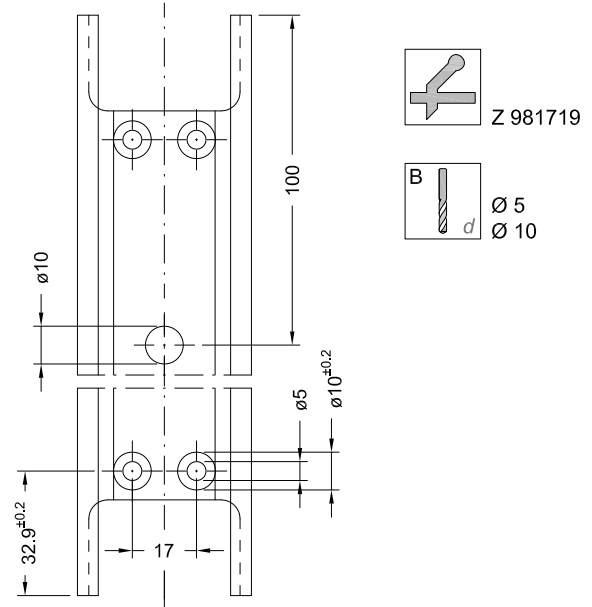
FLÜGELBEARBEITUNG  
 SASH PROCESSING



**B 82200 + B 82210**

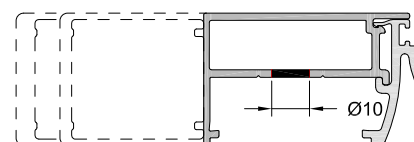
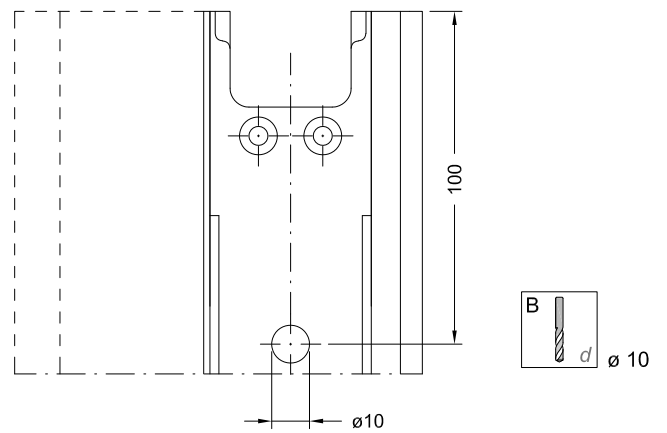
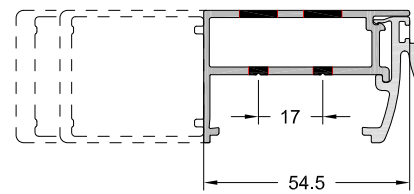
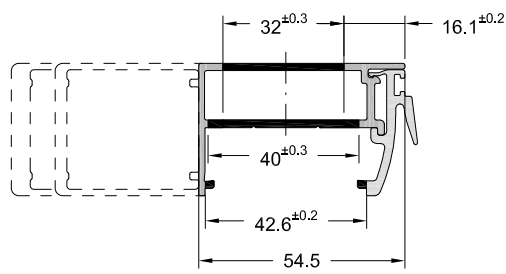
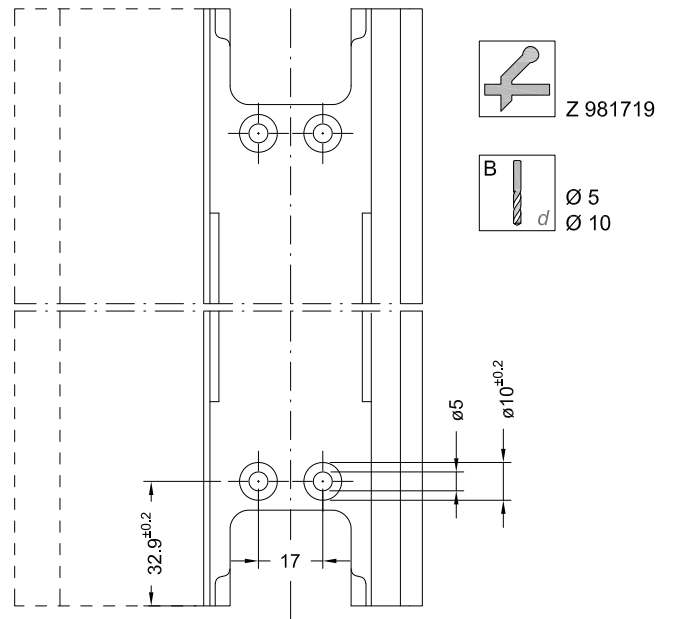
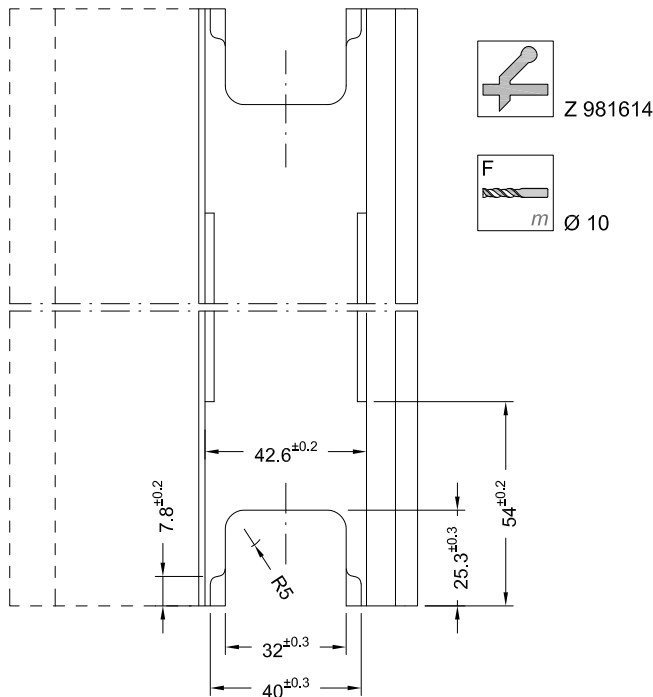


**B 82200 + B 82210**



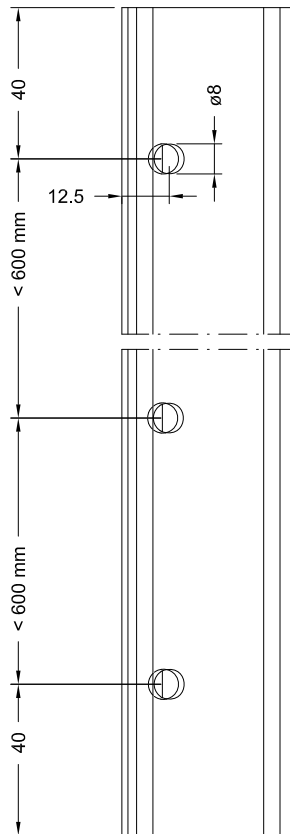
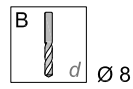
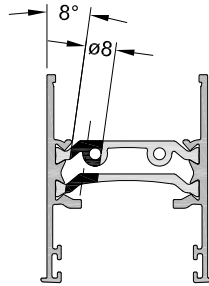
**P 822600 + P 822601 + P 822602**

3B Stulpbereich  
 Faceplate area



Bearbeitung Flügelbelüftung unten  
Processing for flush handle

**B 822201**

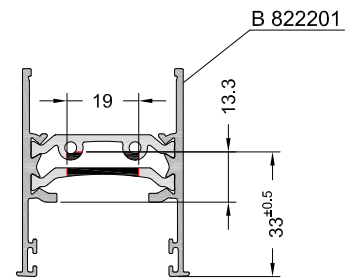
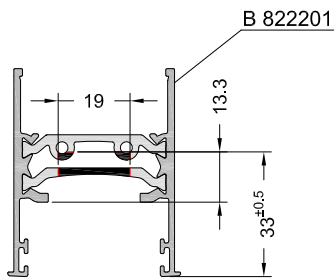
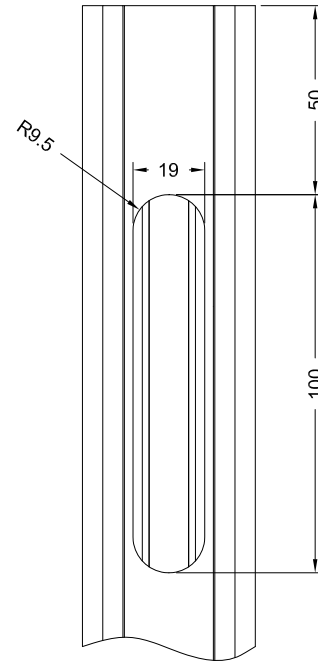
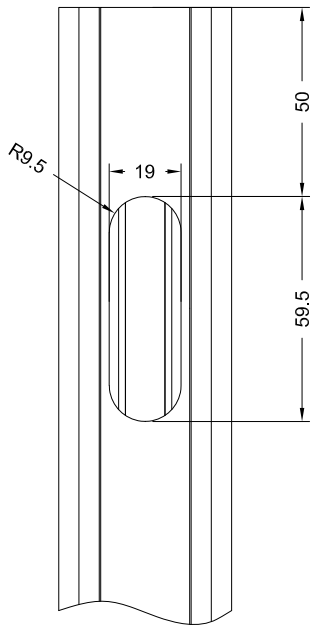


FLÜGELBEARBEITUNG  
 SASH PROCESSING

Bearbeitung für Laufwagen Z 923234 (60 kg)  
 Processing for rollers Z 923234 (60 kg)

Bearbeitung für Laufwagen Z 923235 (120 kg)  
 Laufwagen Z 923236 (200 kg)

Processing for rollers Z 923235 (120 kg)  
 rollers Z 923236 (200 kg)



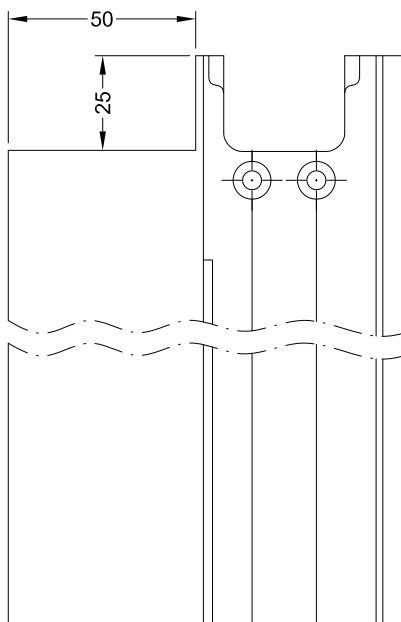


Ausnehmung nur bei Verwendung  
vom Zusatzprofil P 496456 oder  
Rahmenprofil B 822012, B 822013, B 822022  
oder B 822023!

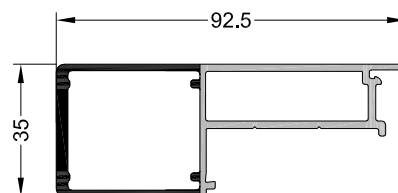
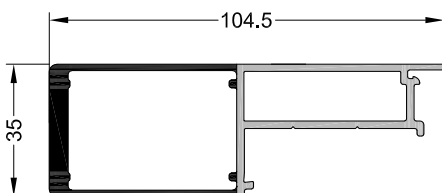
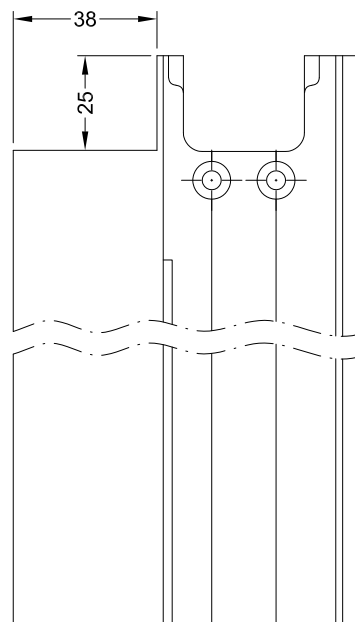
Recess only when using the  
additional profile P 496456  
or frame B 822012, B 822013, B 822022  
or B 822023!!



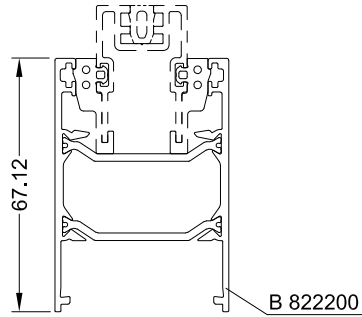
**P 821602**



**P 821601**



FLÜGELMONTAGE  
 SASH ASSEMBLY

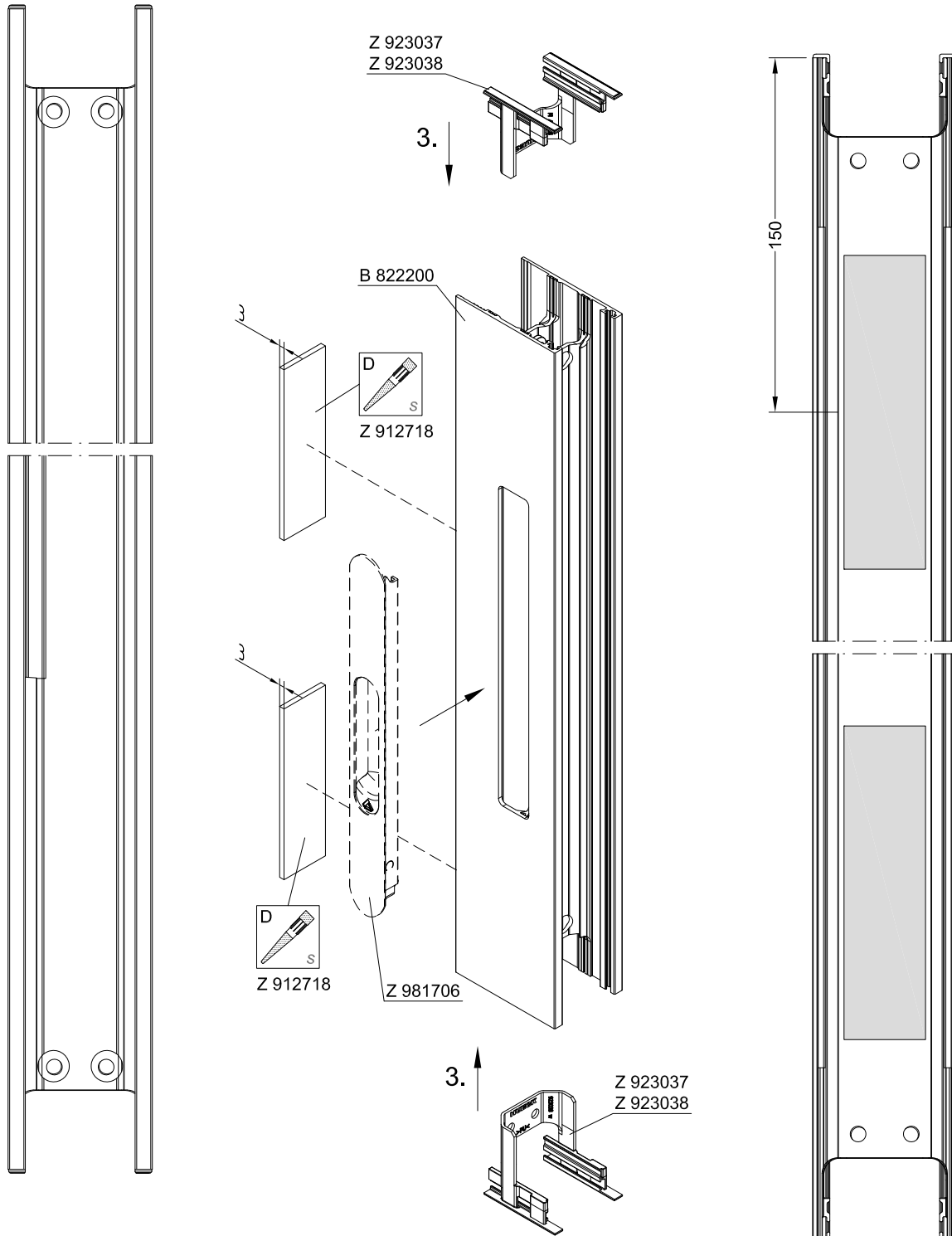


**Bearbeitungsschritte**

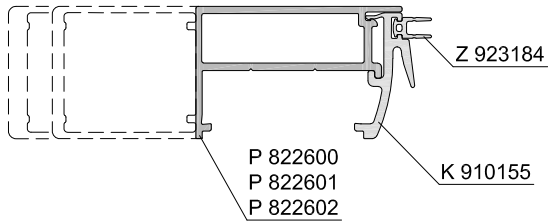
1. Profil P 822200 bearbeiten (siehe Kapitel Flügelbearbeitung)
2. Verglasungsklotz ankleben
3. Endkappen einsetzen

**Processing steps**

1. Machining the profiles P 822200 and P 822660 (see chapter sash processing)
2. Insert gasket on all sides
3. Insert P822660
4. Glue the glazing block
5. Insert the caps



FLÜGELMONTAGE  
 SASH ASSEMBLY

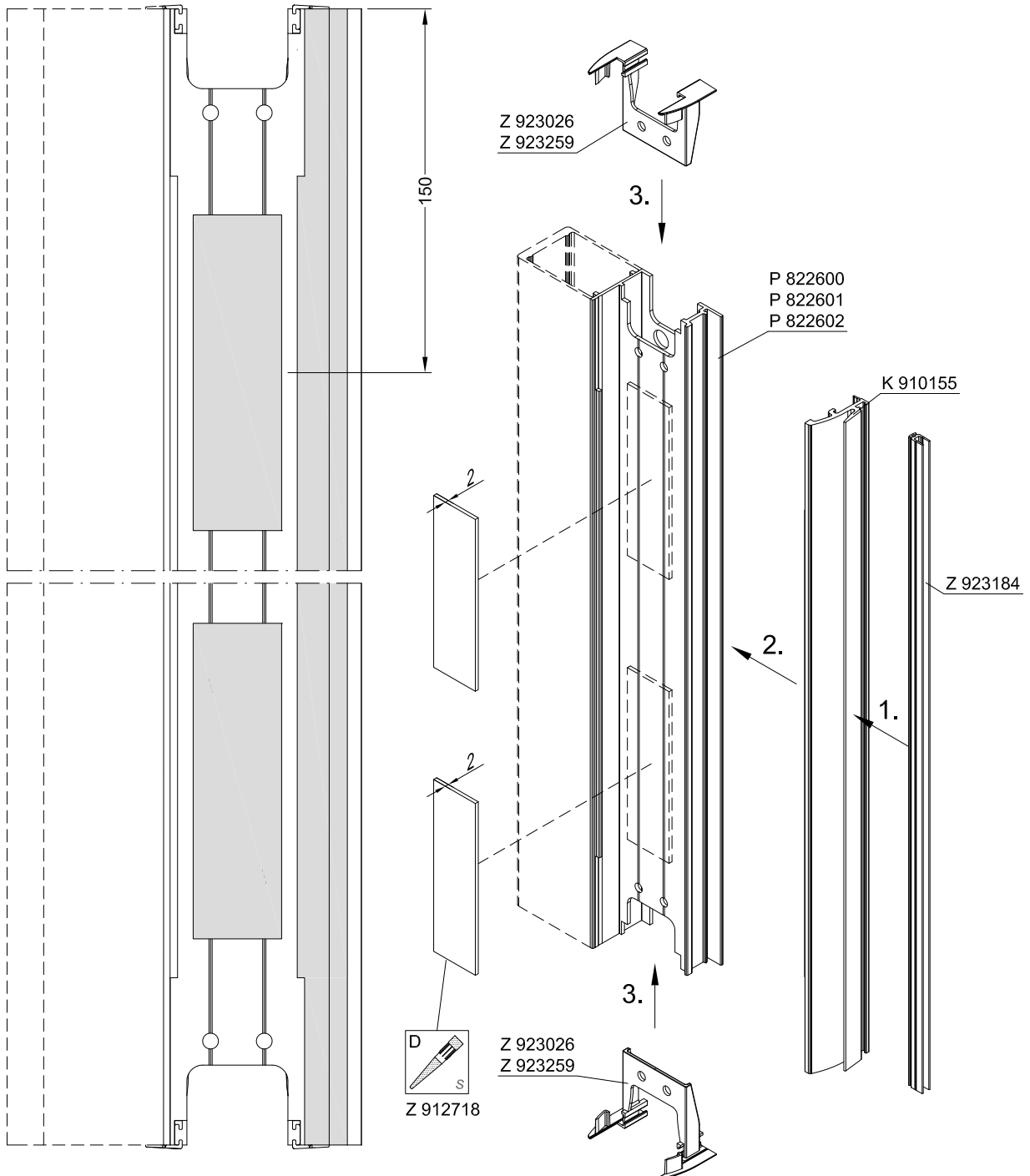


**Bearbeitungsschritte**

1. Profil bearbeiten (siehe Kapitel Flügelbearbeitung)
2. Dichtung Z 923184 einziehen
3. Verglasungsklotz ankleben
4. Endkappen einsetzen

**Processing steps**

1. Machining the profiles (see chapter sash processing)
2. Insert gasket Z 923184
3. Glue the glazing block
4. Insert the caps



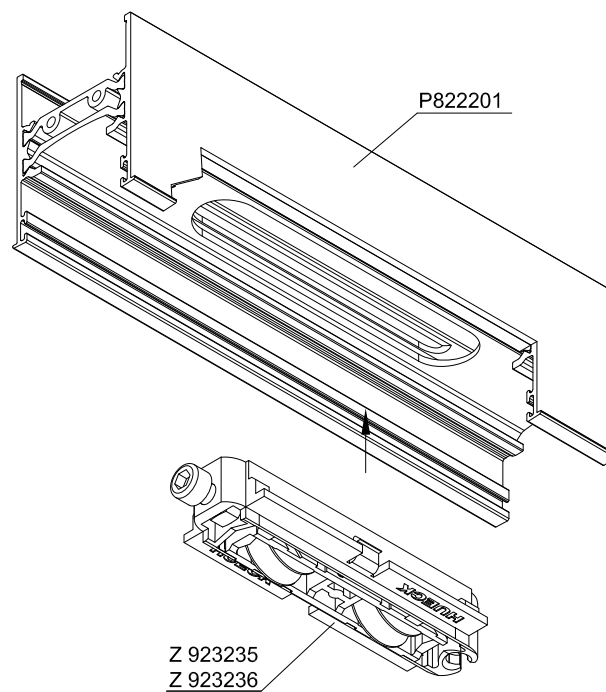
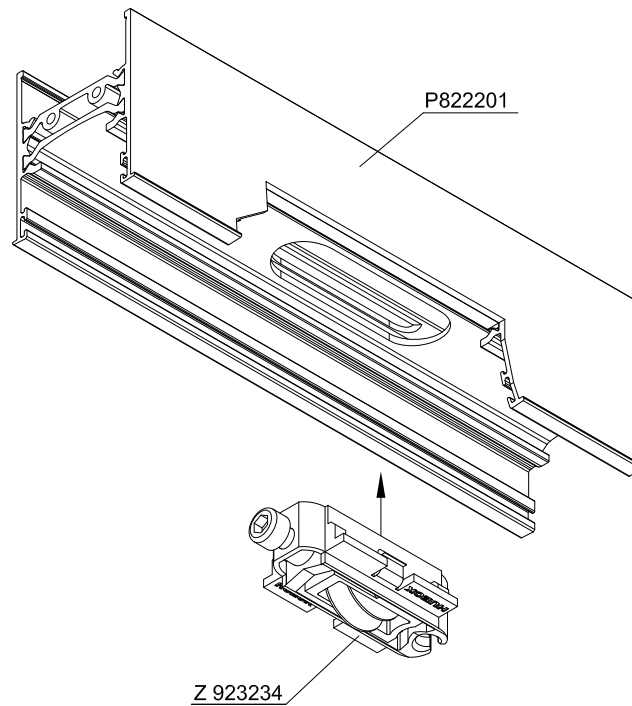
FLÜGELMONTAGE  
SASH ASSEMBLY

**Bearbeitungsschritte für**

1. Laufwagen einklipsen

**Processing steps**

1. Clip in the rollers



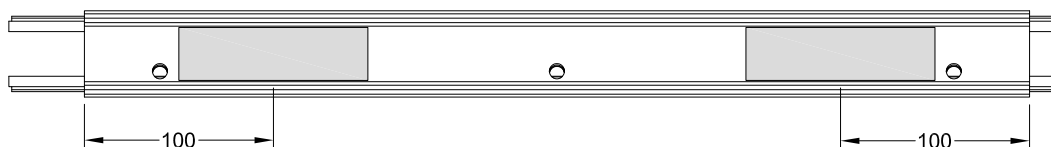
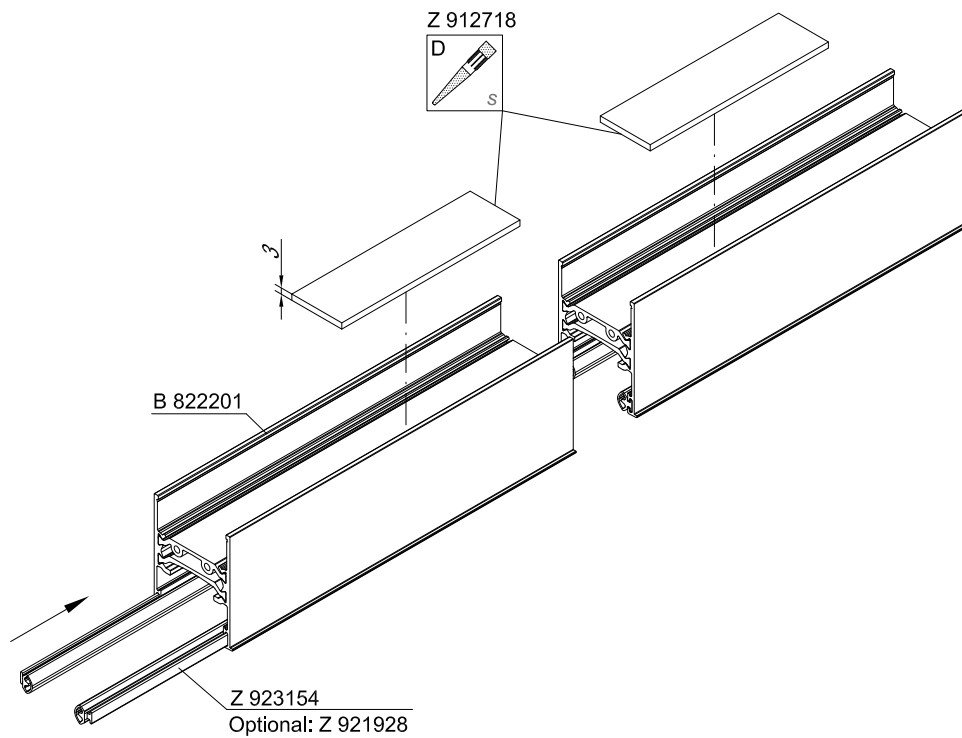
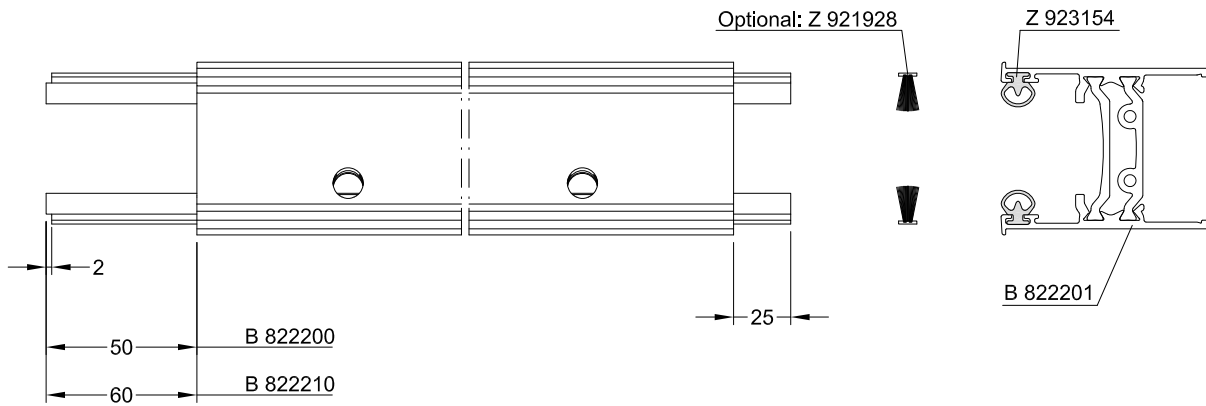
FLÜGELMONTAGE  
 SASH ASSEMBLY

**Bearbeitungsschritte**

1. Dichtungen beidseitig einziehen
2. DichtungsfüÙe ausklinken
3. VerglasungsklöÙe aufkleben

**Processing steps**

1. Insert gaskets
2. Cut the gaskets
3. Glue the glazing blocks

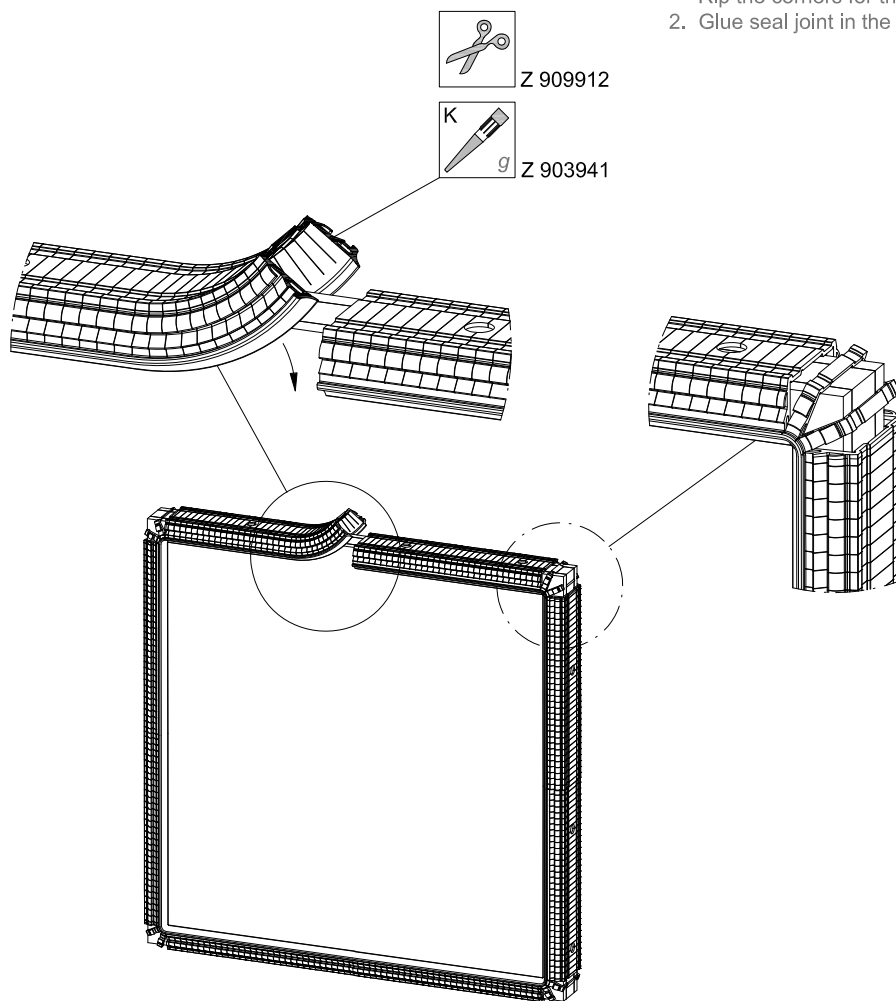


**Bearbeitungsschritte**

1. Oben mittig beginnend, die Dichtung umlaufend um das Glas ziehen.  
 Die Ecken hierfür an den Vorstanzungen aufreißen
2. Dichtungsstoß oben mittig verkleben

**Processing steps**

1. Starting at the top center, put on the gasket continuously to the glass.  
 Rip the corners for this at the pre-cuts
2. Glue seal joint in the top center



Füllungsdicke Filling thickness	Artikelnummer Article number
24 mm	Z 923298
26 mm	Z 923299
28 mm	Z 923300
30 mm	Z 923301
32 mm	Z 923302

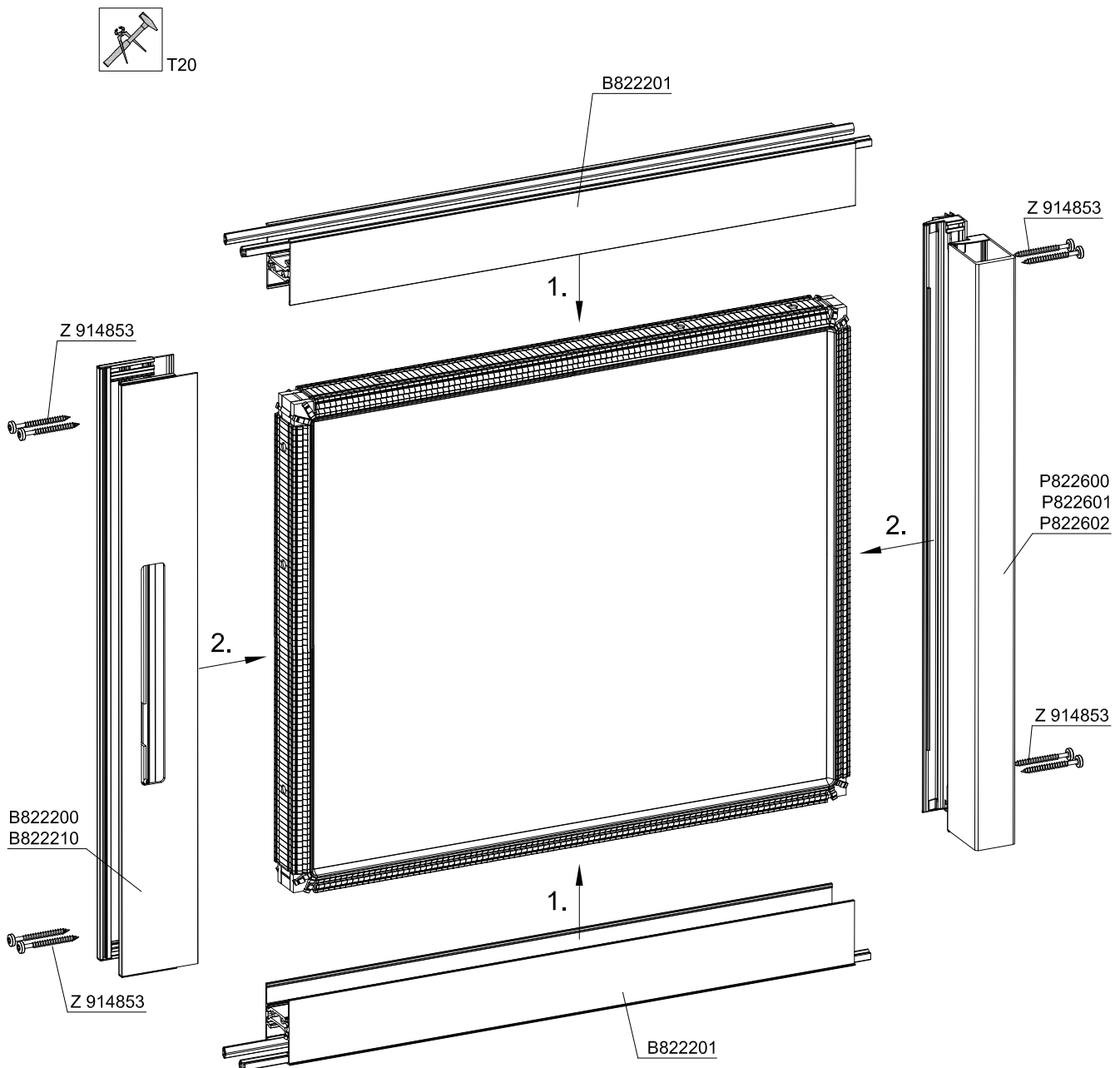
FLÜGELMONTAGE  
SASH ASSEMBLY

**Bearbeitungsschritte**

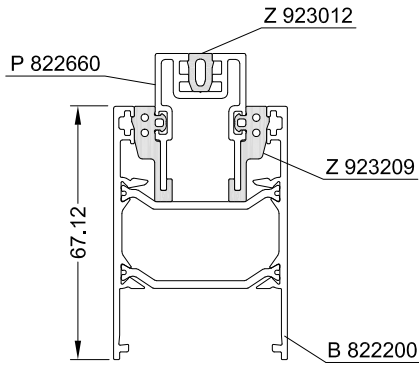
1. Profile aufstecken
2. Mit Z 914853 verschrauben

**Processing steps**

1. Plug profiles
2. Screw together with Z 914853



FLÜGELMONTAGE  
 SASH ASSEMBLY

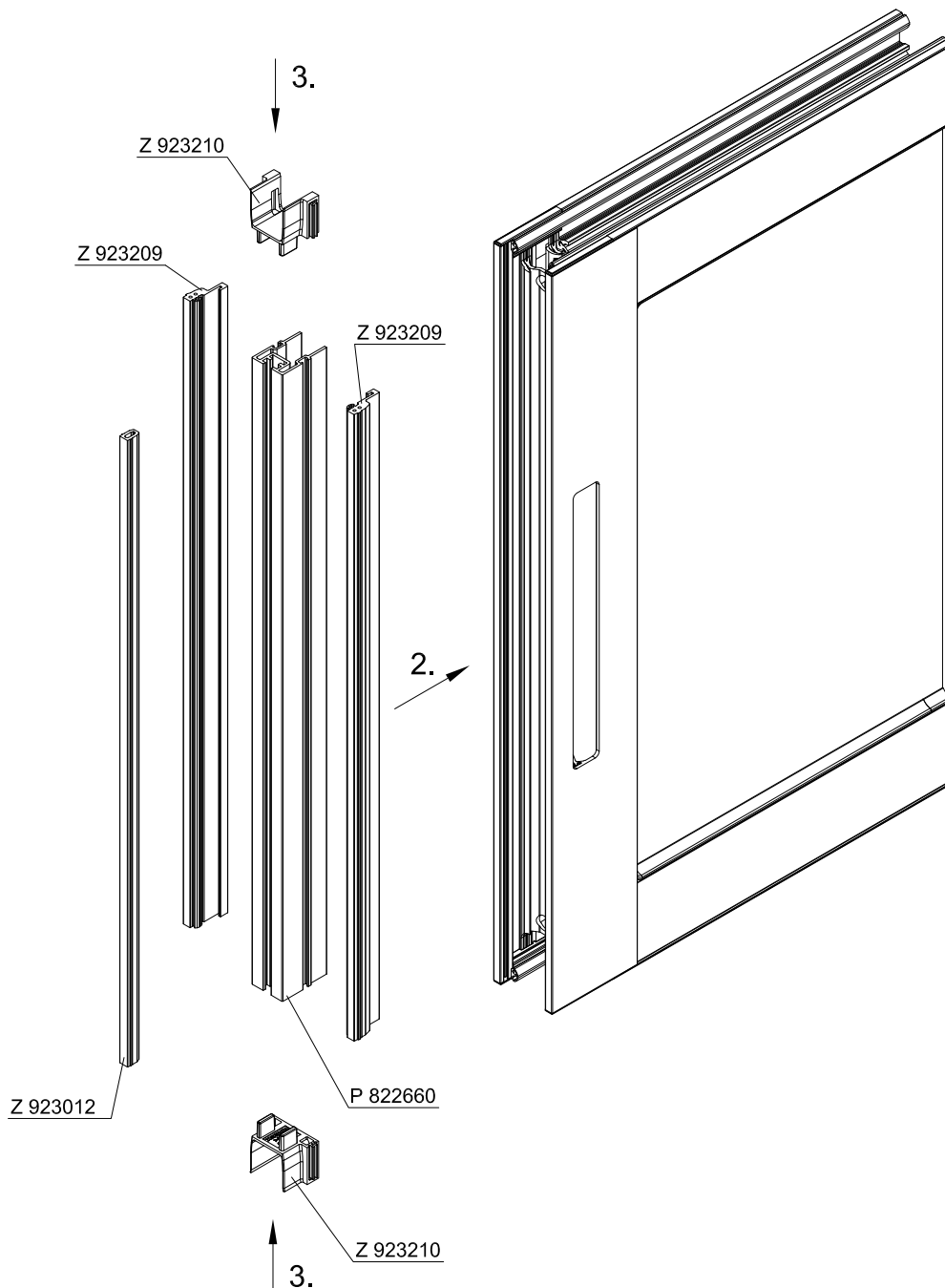


**Bearbeitungsschritte**

1. Dichtungen allseitig einziehen
2. Profil einsetzen P 822660
3. Z 923210 einsetzen

**Processing steps**

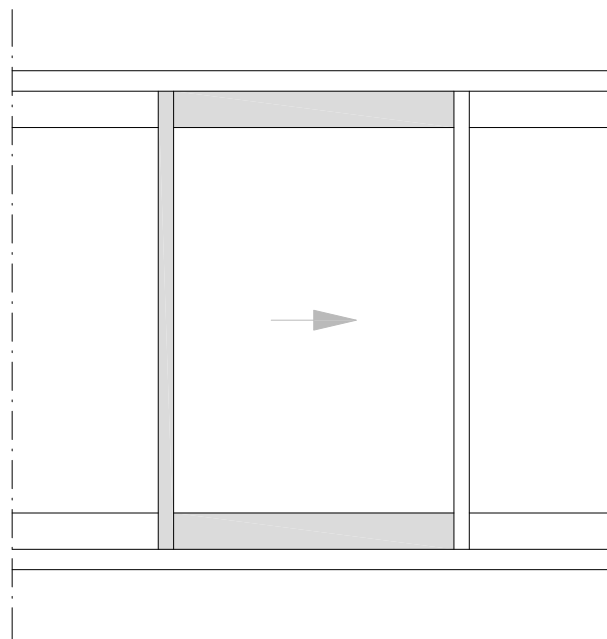
1. Insert gasket on all sides
2. Insert profile P 822660
3. Insert Z 923210



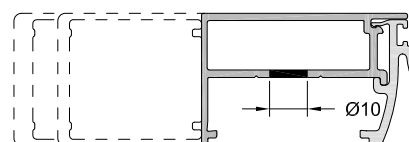
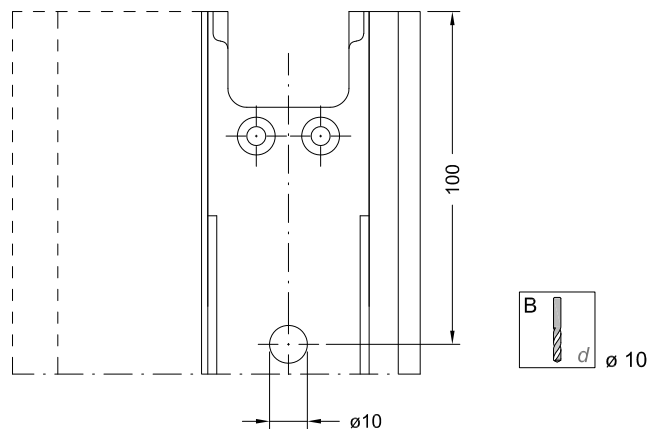
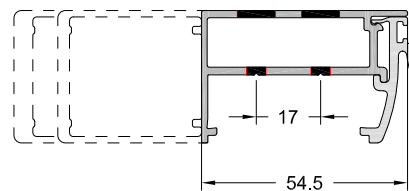
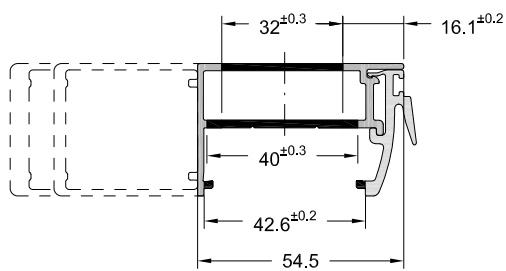
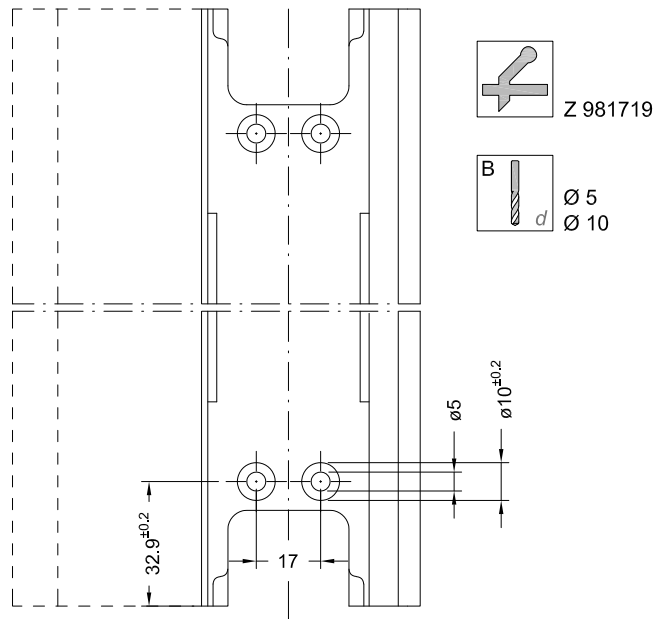
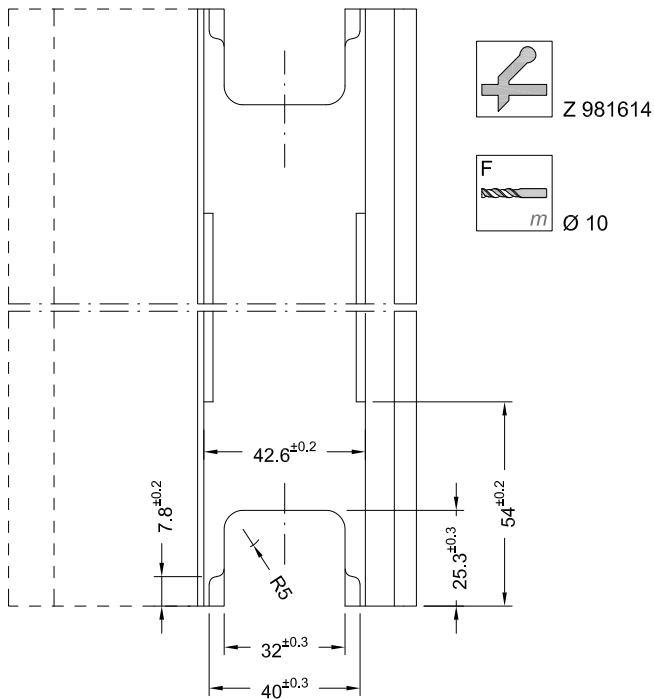




FLÜGELBEARBEITUNG  
 SASH PROCESSING

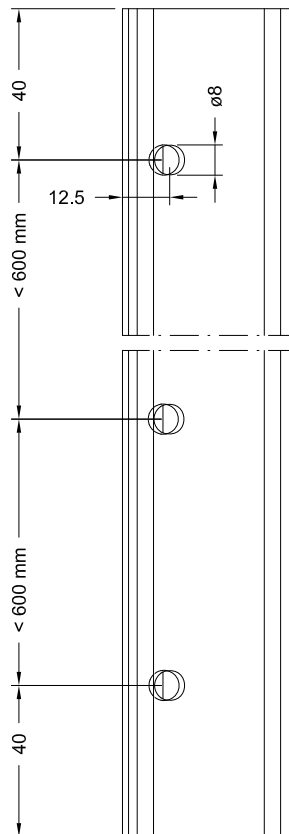
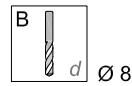
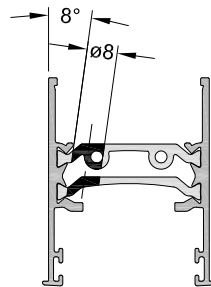


**P 822600 + P 822601 + P 822602**



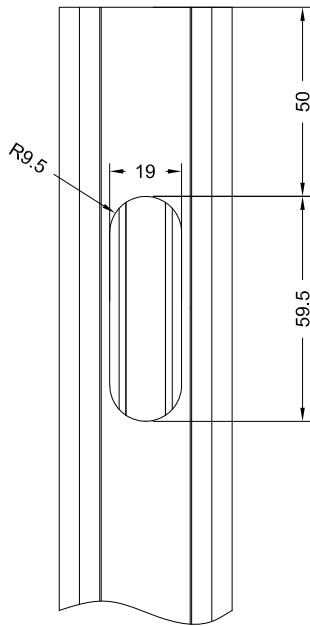
Bearbeitung Flügelbelüftung unten  
 Processing for flush handle

**B 822201**



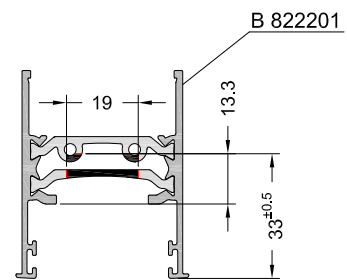
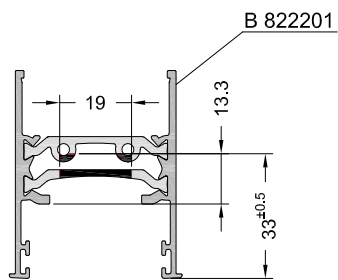
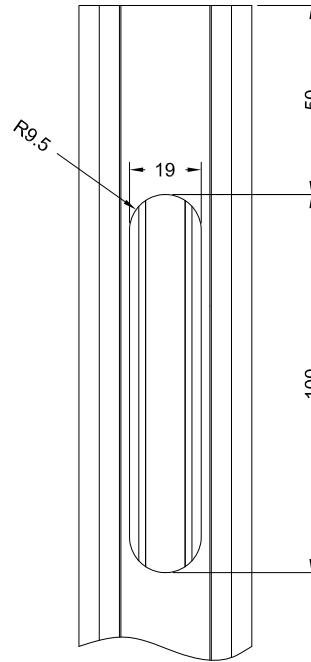
FLÜGELBEARBEITUNG  
SASH PROCESSING

Bearbeitung für Laufwagen Z 923234 (60 kg)  
Processing for rollers Z 923234 (60 kg)



Bearbeitung für Laufwagen Z 923235 (120 kg)  
Laufwagen Z 923236 (200 kg)

Processing for rollers Z 923235 (120 kg)  
rollers Z 923236 (200 kg)

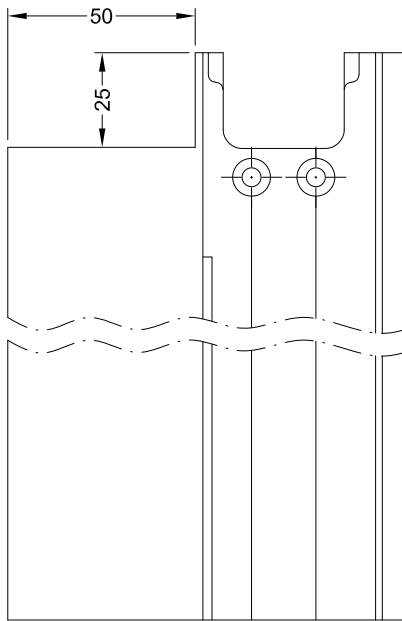


Ausnehmung nur bei Verwendung  
 vom Zusatzprofil P 496456 oder  
 Rahmenprofil B 822012, B 822013, B 822022  
 oder B 822023!

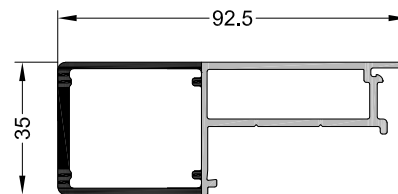
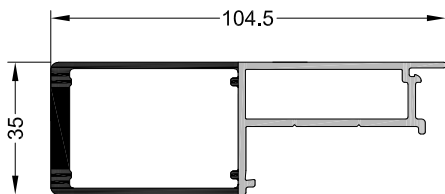
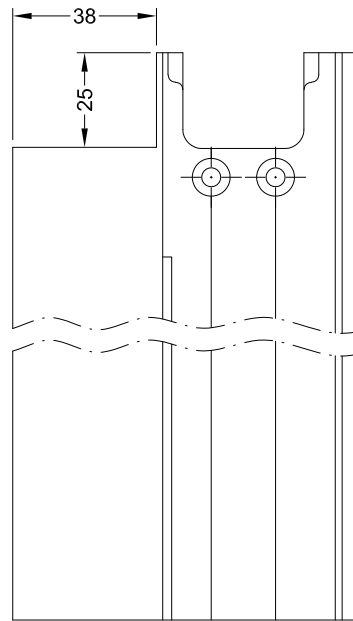
Recess only when using the  
 additional profile P 496456  
 or frame B 822012, B 822013, B 822022  
 or B 822023!!



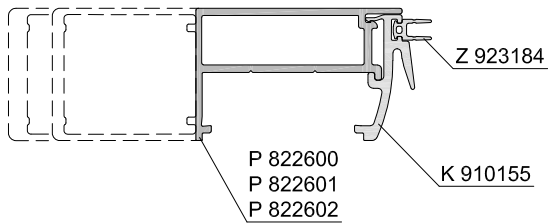
**P 821602**



**P 821601**



FLÜGELMONTAGE  
SASH ASSEMBLY

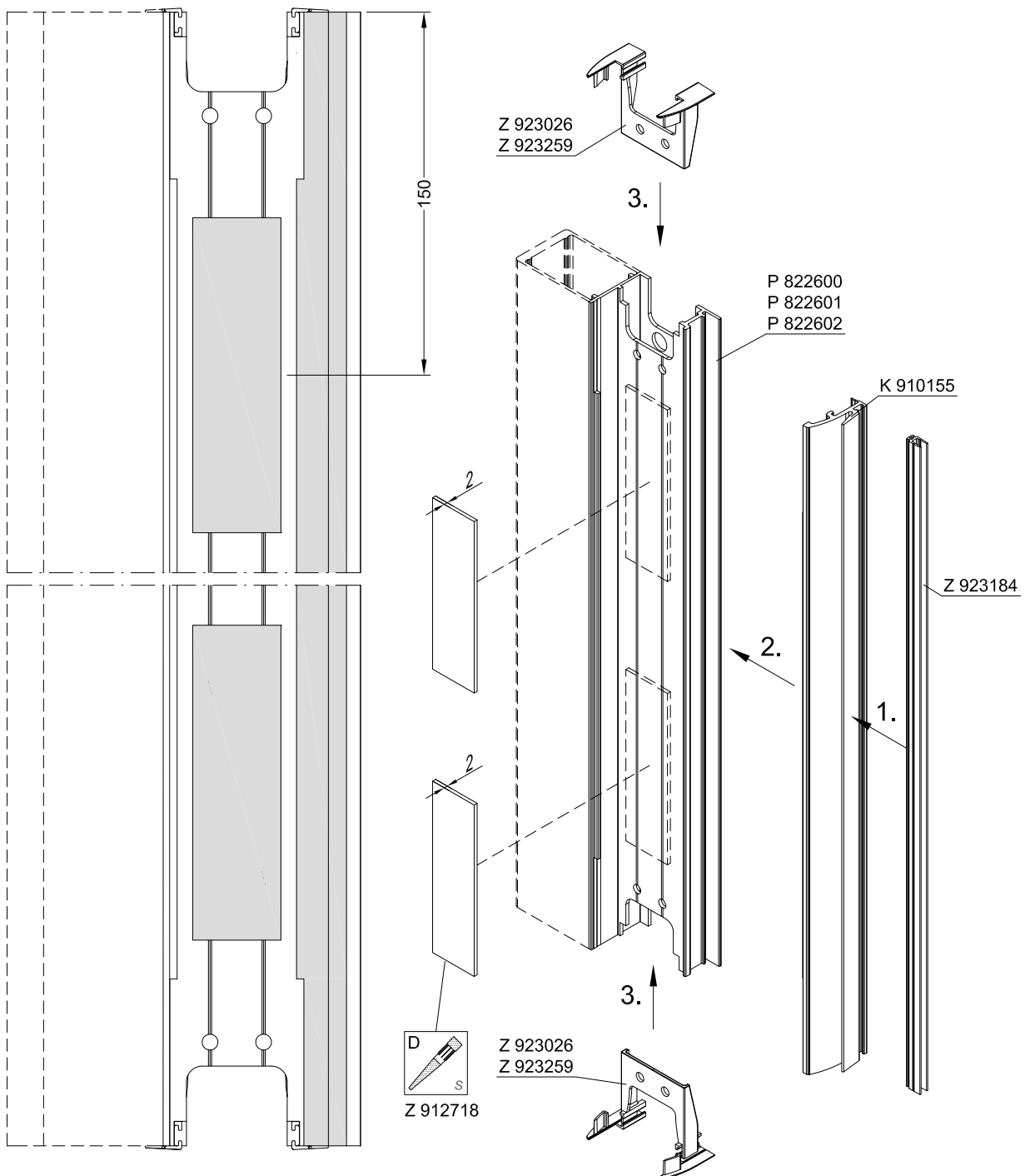


**Bearbeitungsschritte**

1. Profil bearbeiten (siehe Kapitel Flügelbearbeitung)
2. Dichtung Z 923184 einziehen
3. Verglasungsklotz ankleben
4. Endkappen einsetzen

**Processing steps**

1. Machining the profiles (see chapter sash processing)
2. Insert gasket Z 923184
3. Glue the glazing block
4. Insert the caps



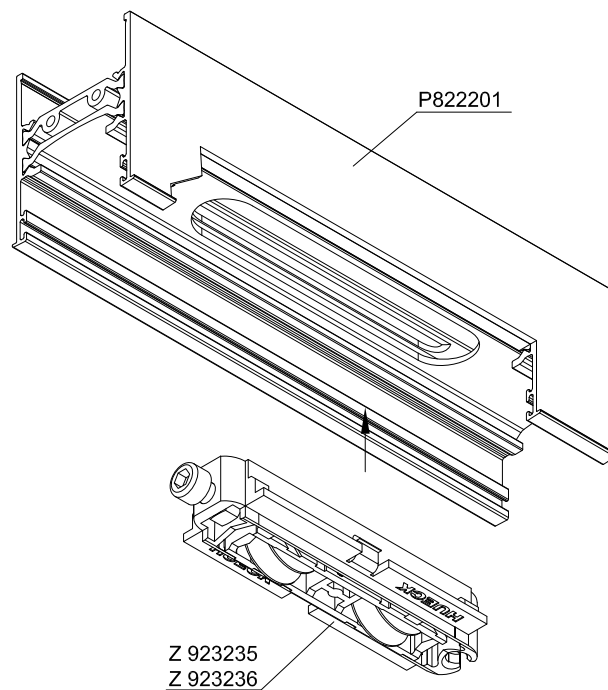
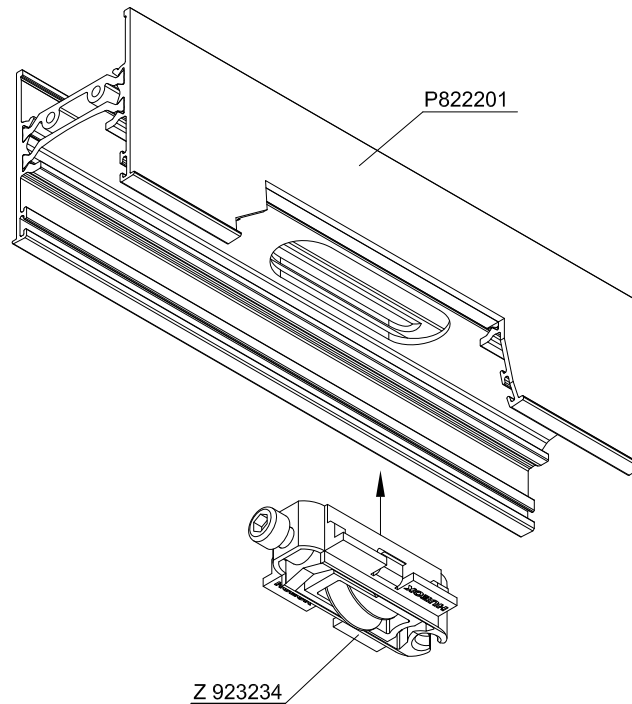
FLÜGELMONTAGE  
SASH ASSEMBLY

**Bearbeitungsschritte für**

1. Laufwagen einklipsen

**Processing steps**

1. Clip in the rollers





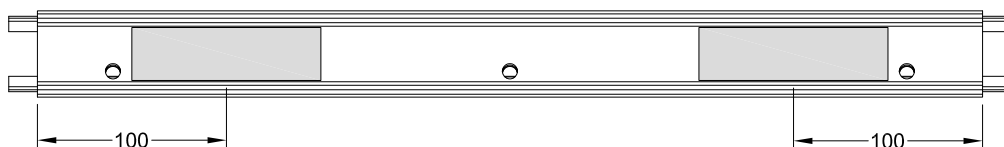
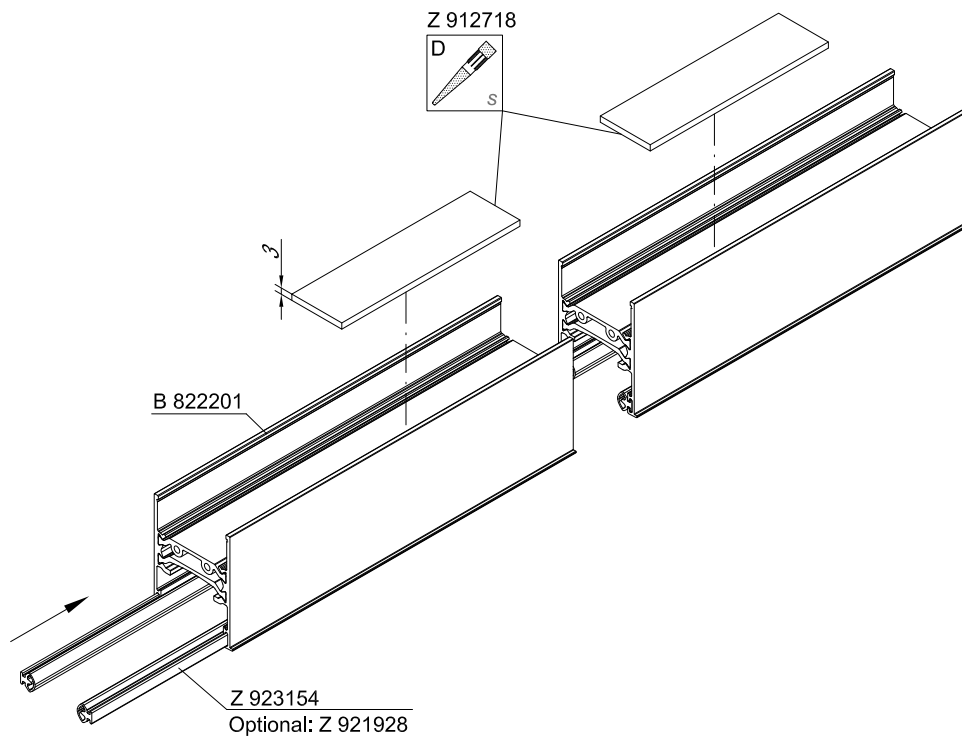
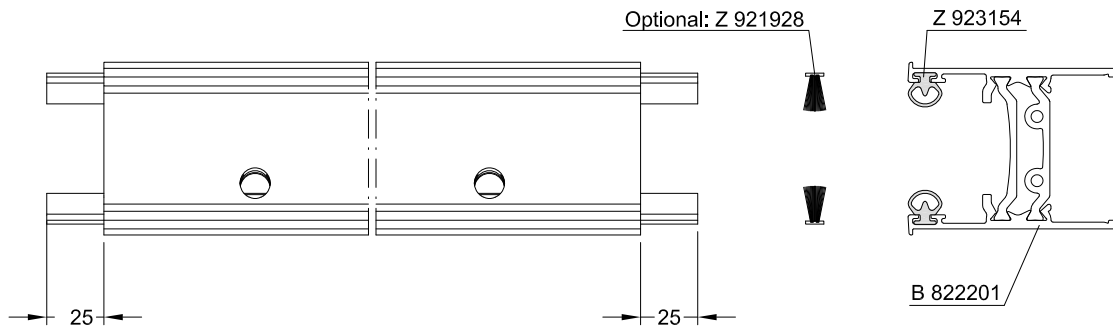
FLÜGELMONTAGE  
 SASH ASSEMBLY

**Bearbeitungsschritte**

1. Dichtungen beidseitig einziehen
2. Verglasungsklotze aufkleben

**Processing steps**

1. Insert gaskets
2. Glue the glazing blocks

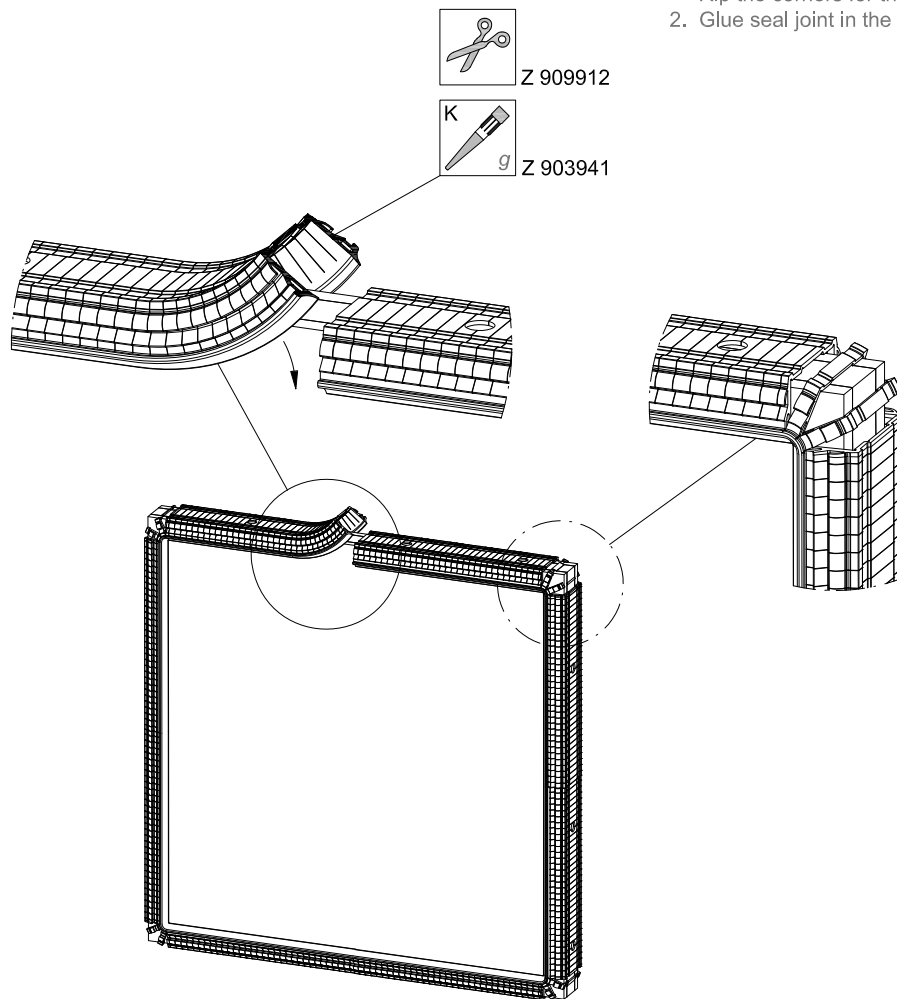


**Bearbeitungsschritte**

1. Oben mittig beginnend, die Dichtung umlaufend um das Glas ziehen.  
Die Ecken hierfür an den Vorstanzungen aufreißen
2. Dichtungsstoß oben mittig verkleben

**Processing steps**

1. Starting at the top center, put on the gasket continuously to the glass.  
Rip the corners for this at the pre-cuts
2. Glue seal joint in the top center



Füllungsdicke Filling thickness	Artikelnummer Article number
24 mm	Z 923298
26 mm	Z 923299
28 mm	Z 923300
30 mm	Z 923301
32 mm	Z 923302

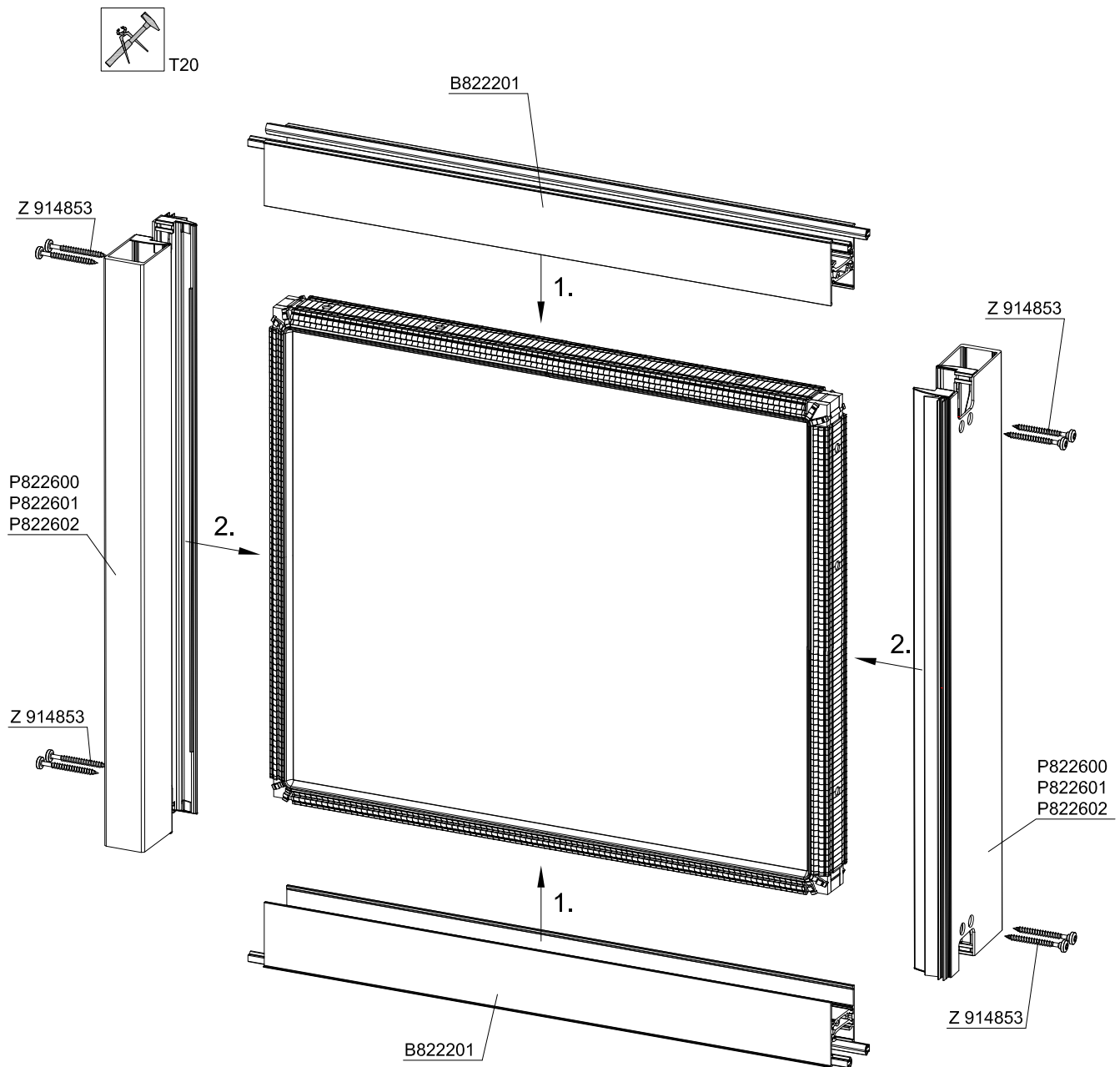
FLÜGELMONTAGE  
SASH ASSEMBLY

**Bearbeitungsschritte**

1. Profile aufstecken
2. Mit Z 914853 verschrauben

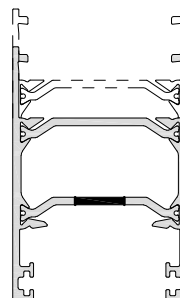
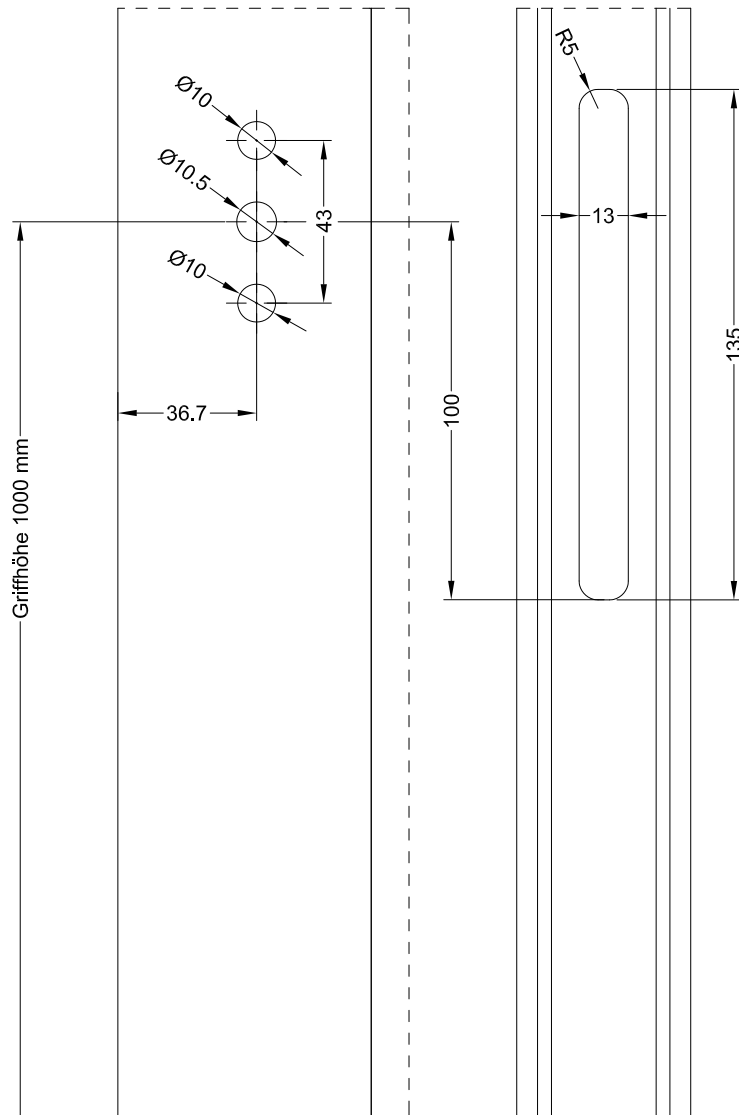
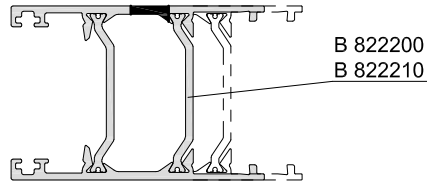
**Processing steps**

1. Plug profiles
2. Screw together with Z 914853



SCHLOSS - BEARBEITUNG  
 LOCK - PROCESSING FOR INSTALLATION

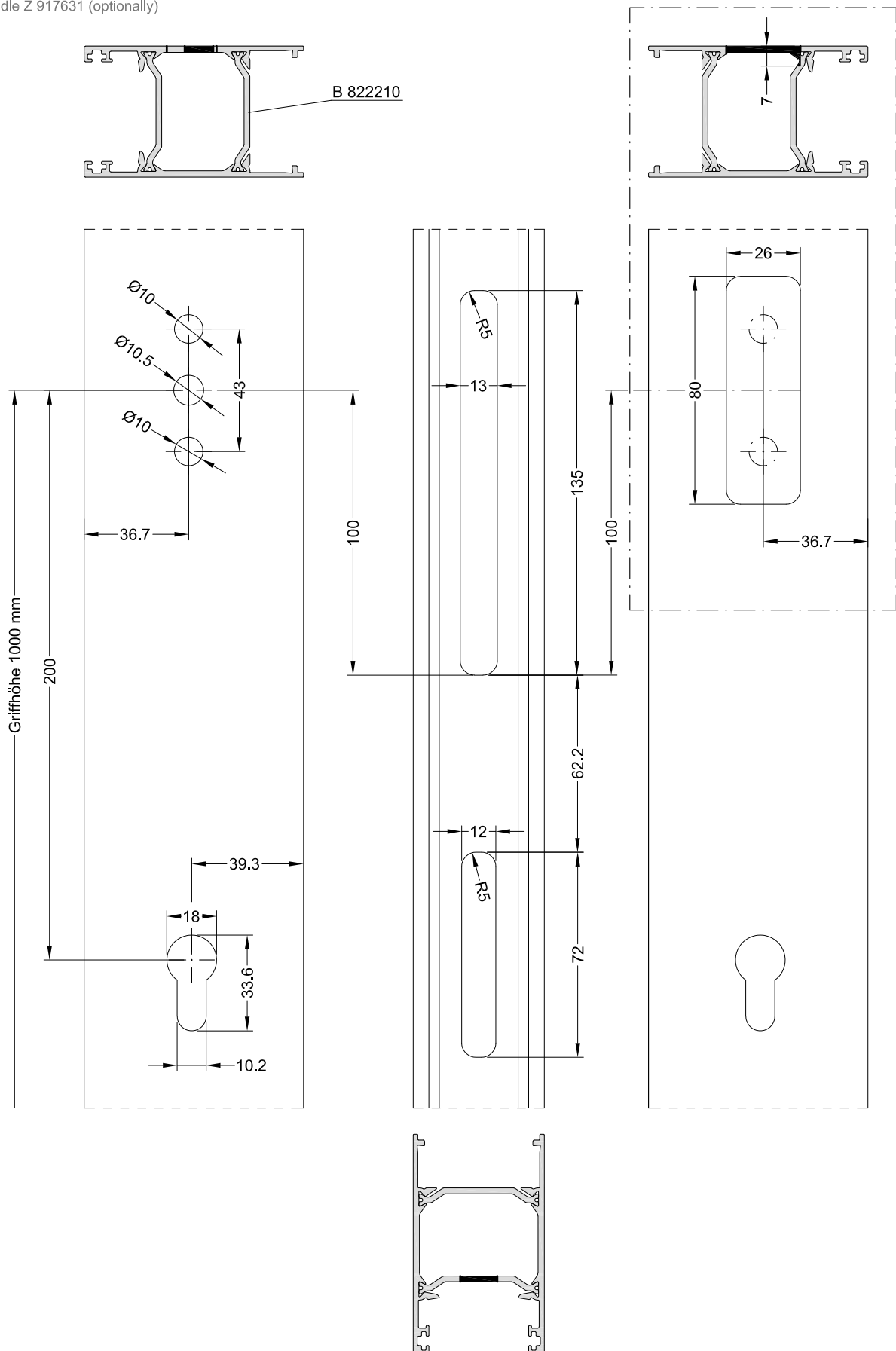
Bearbeitung für Schloss Z 981647, Z 981648 und Z 981649  
 Processing for lock Z 981647, Z 981648 and Z 981649



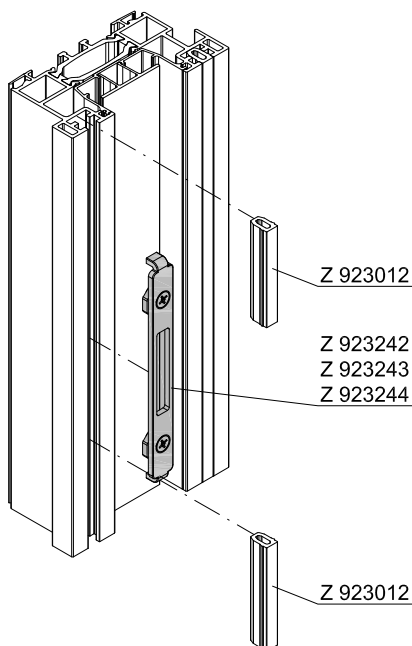
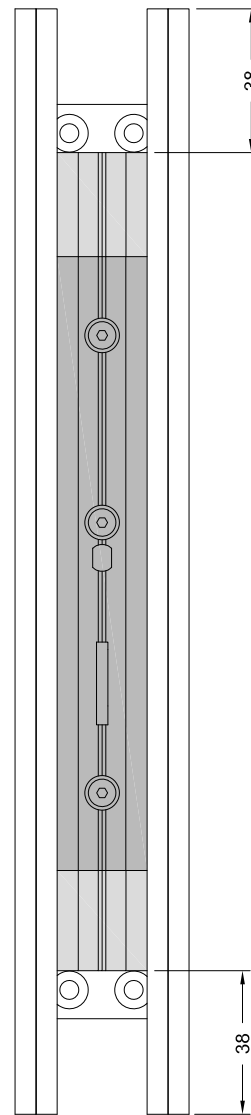
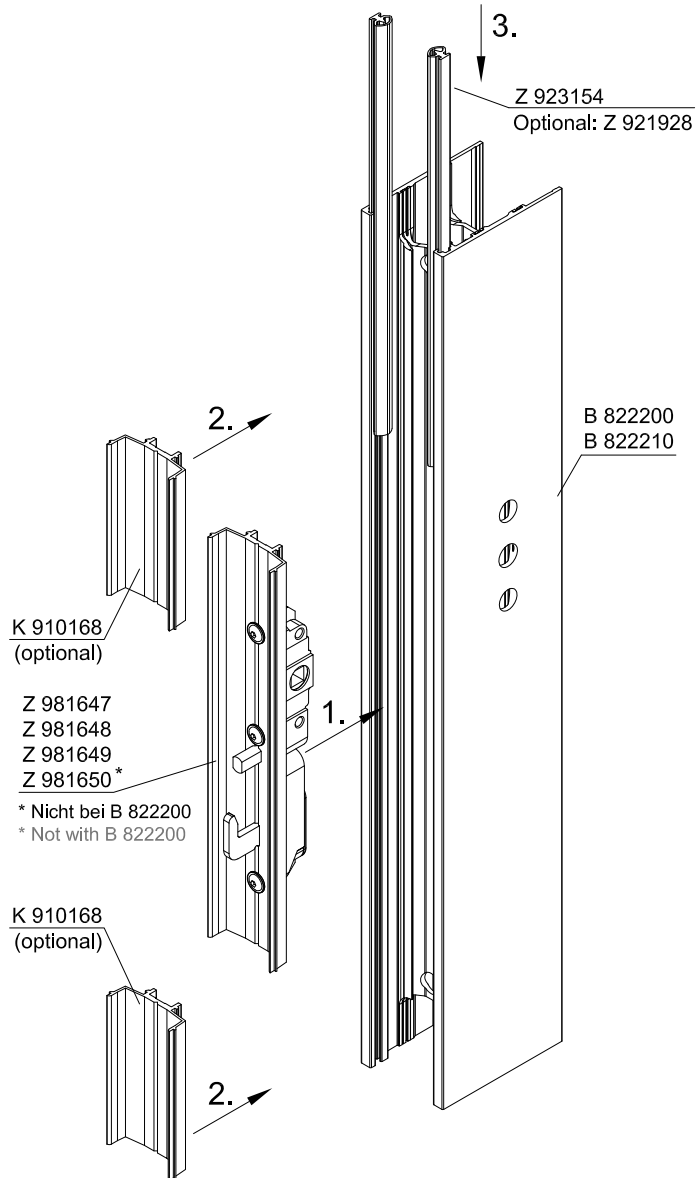
SCHLOSS - BEARBEITUNG  
LOCK - PROCESSING FOR INSTALLATION

Bearbeitung für Schloss Z 981650  
Griffmuschel Z 917631 (optional)  
Processing for lock Z 981650  
flush handle Z 917631 (optionally)

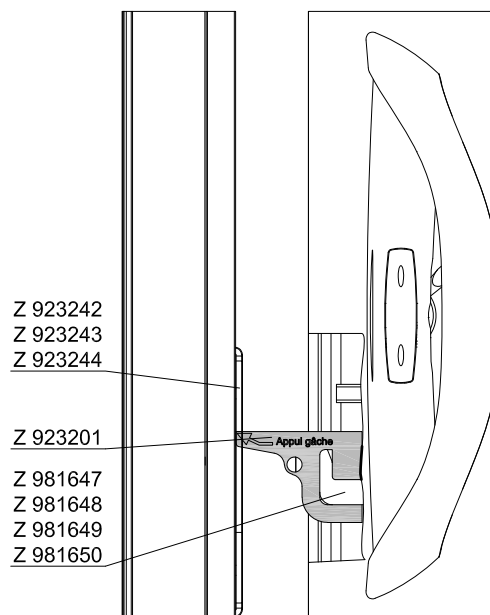
Nur bei Griffmuschel Z 917631 (optional)  
Only when using flush handle Z 917631 (optionally)



SCHLOSS - BEARBEITUNG  
 LOCK - PROCESSING FOR INSTALLATION

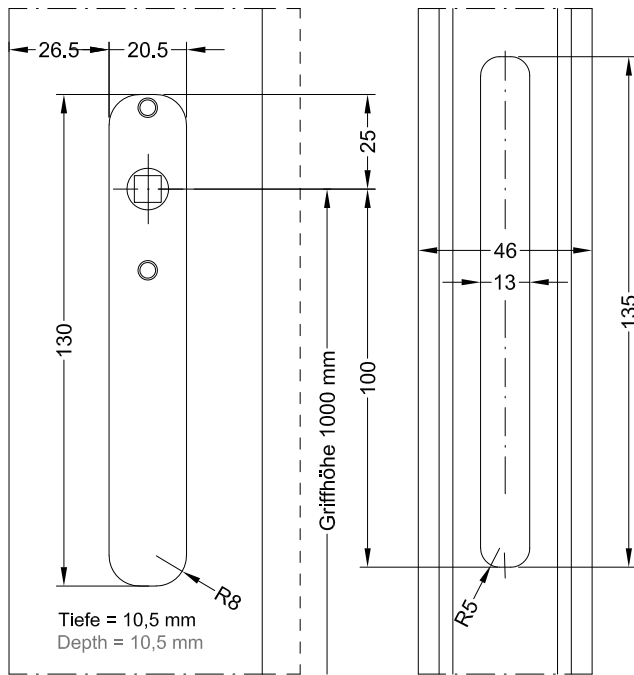
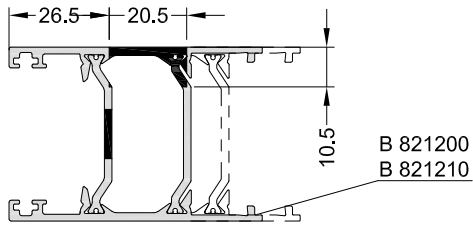


Hebelstellung: Geöffnet  
 PLever position: Open



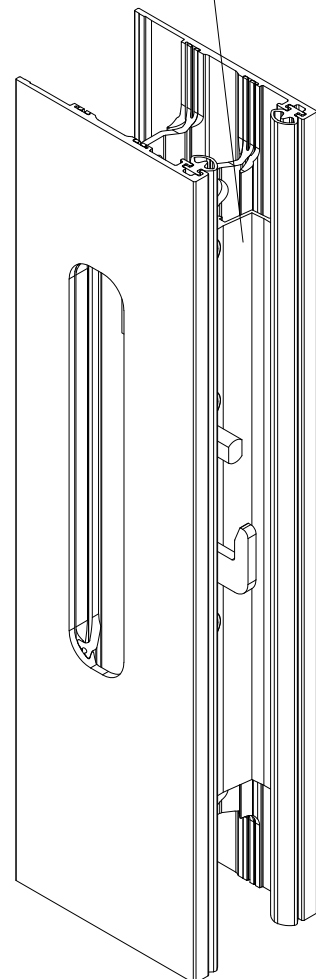
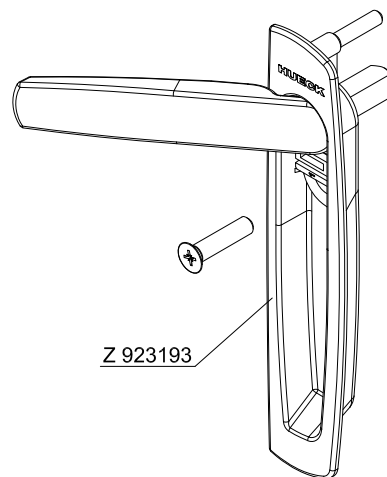
SCHLOSS - BEARBEITUNG  
LOCK - PROCESSING FOR INSTALLATION

Bearbeitung für Getriebe und Griffmuschel  
Processing for gear, handle and flush handle



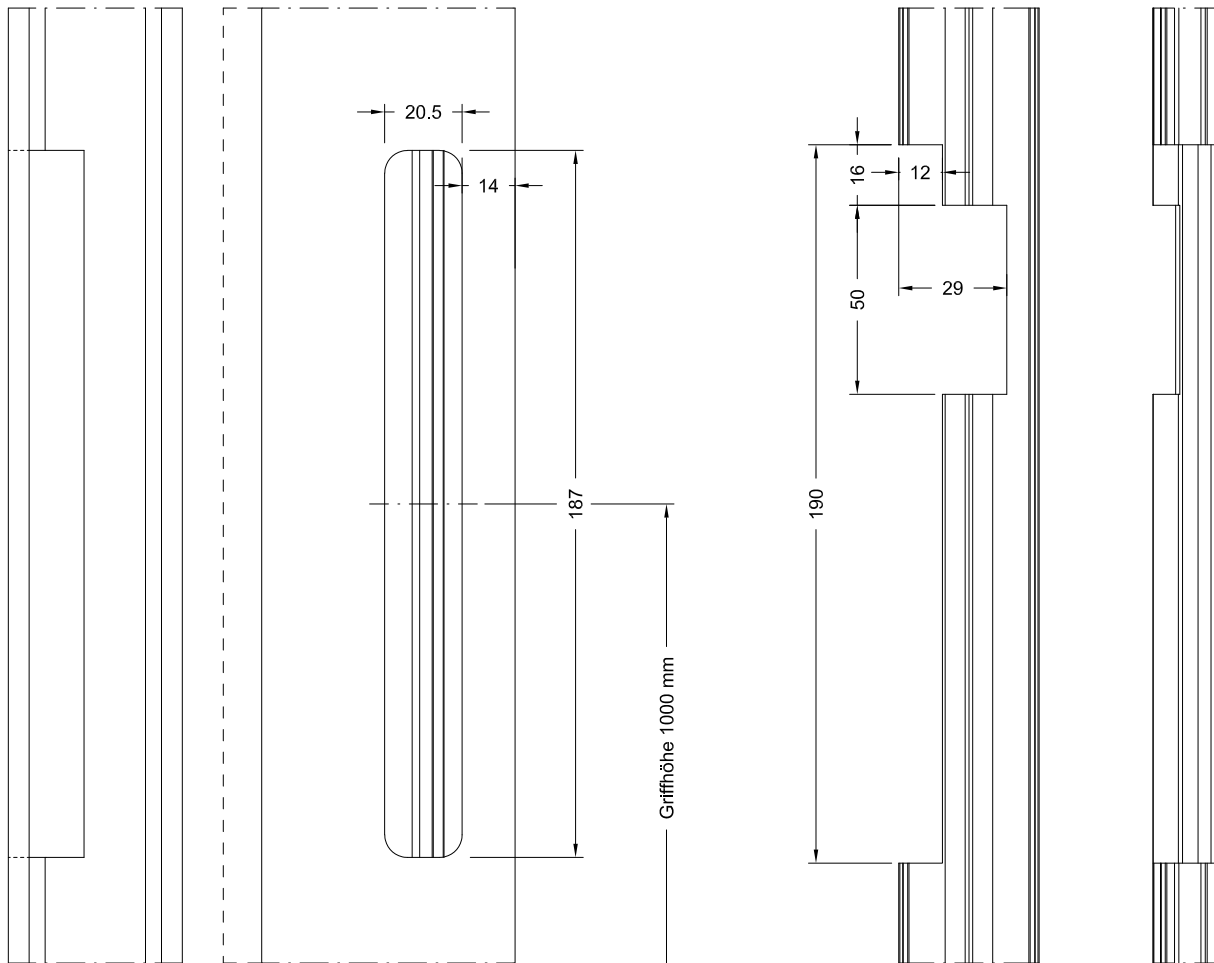
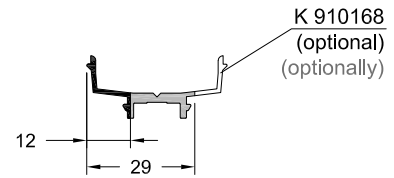
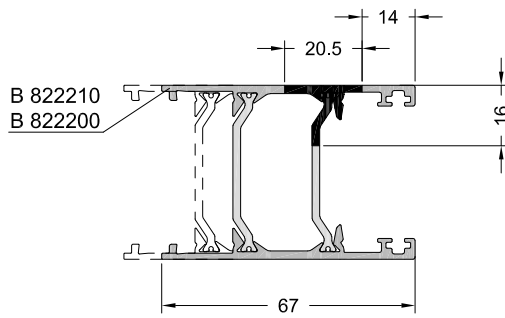
Z 981647  
Z 981648  
Z 981649  
Z 981650\*

\* Nicht bei B 822200  
\* Not with B 822200



SCHLOSS - BEARBEITUNG  
 LOCK - PROCESSING FOR INSTALLATION

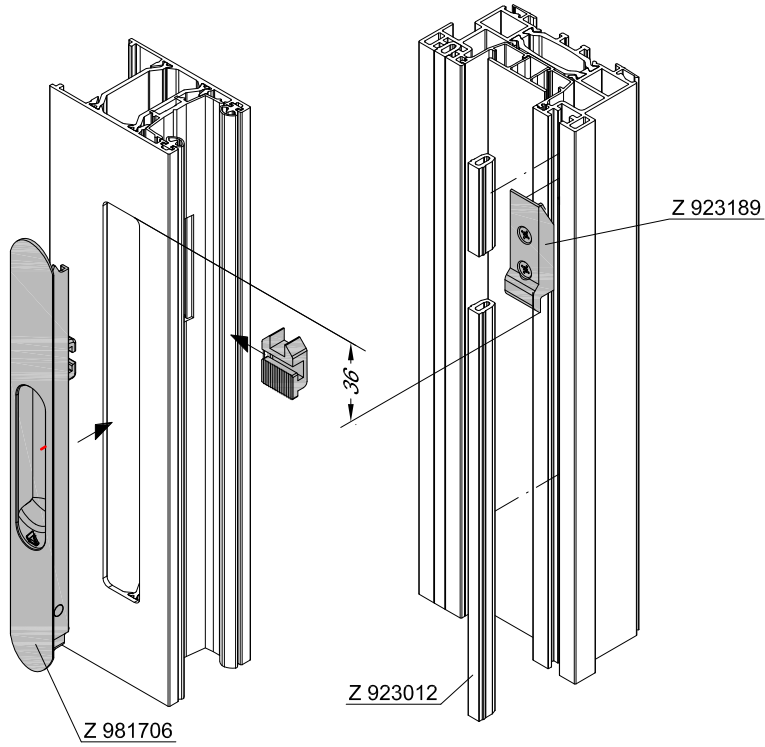
Bearbeitung für Griffmuschel  
 Processing for handle recess





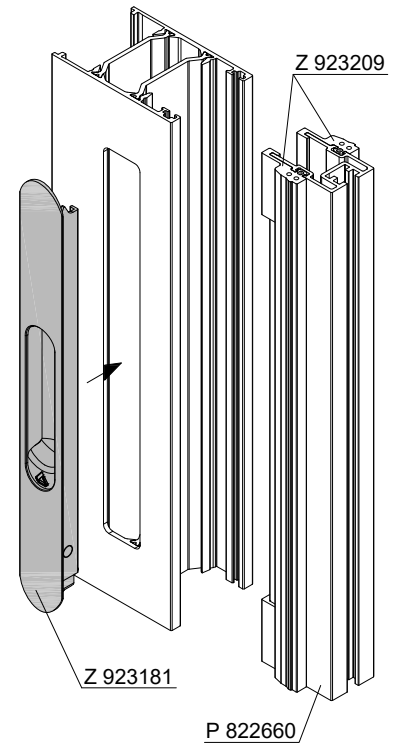
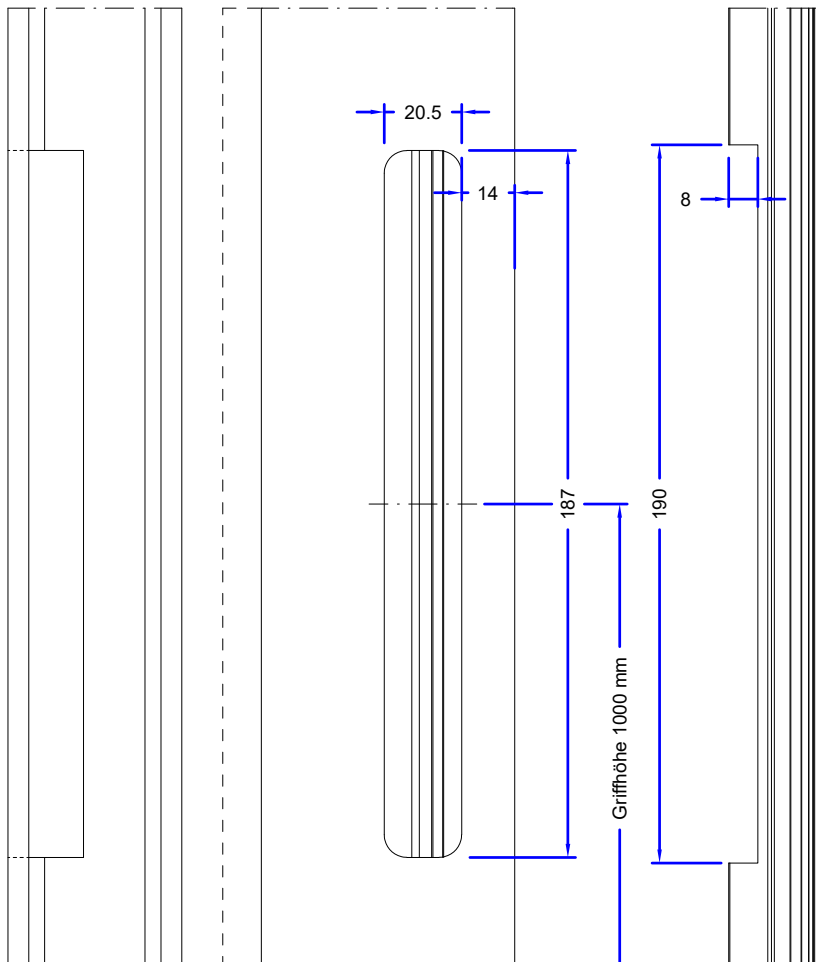
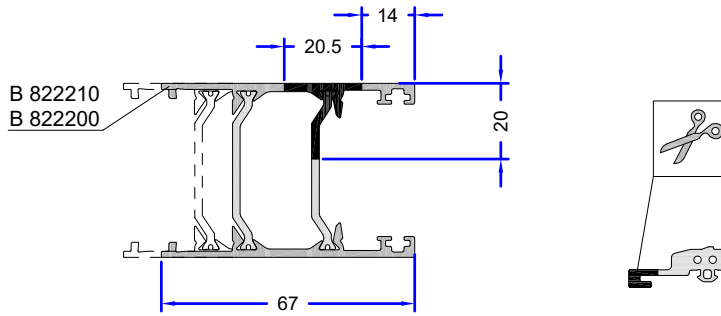
SCHLOSS - BEARBEITUNG  
LOCK - PROCESSING FOR INSTALLATION

Montage Griffmuschel  
Installation handle recess



SCHLOSS - BEARBEITUNG  
 LOCK - PROCESSING FOR INSTALLATION

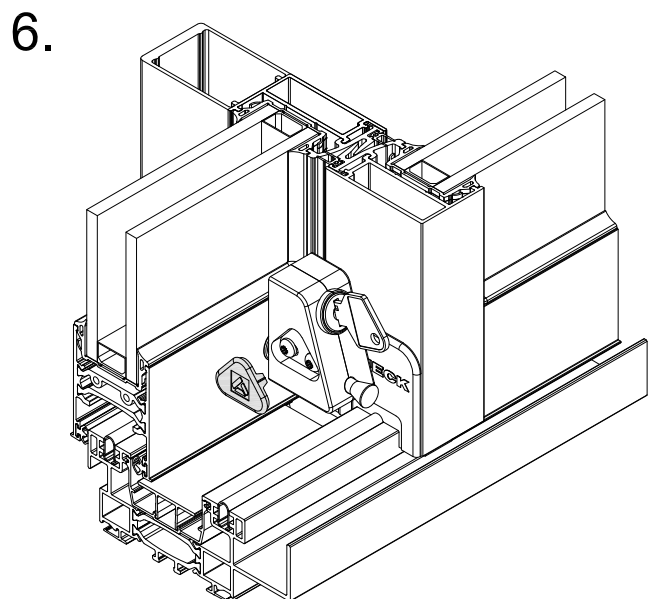
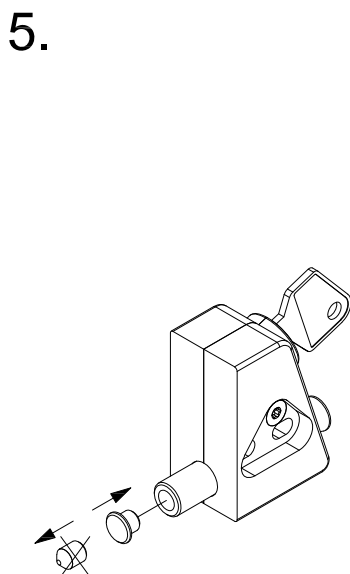
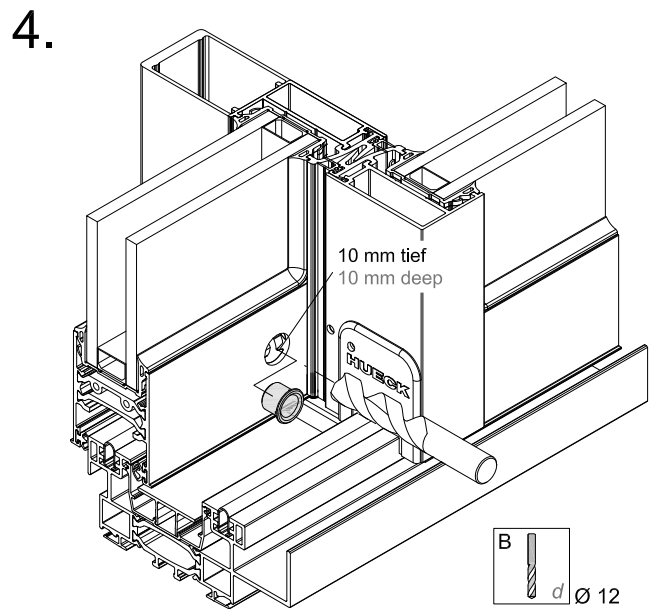
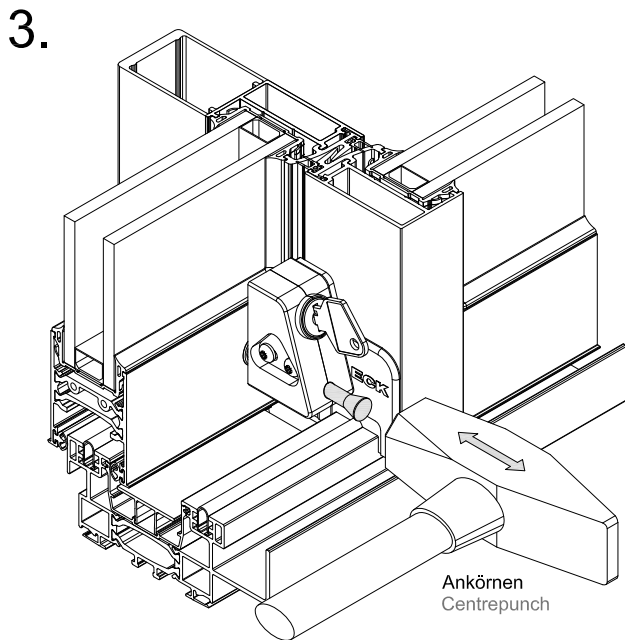
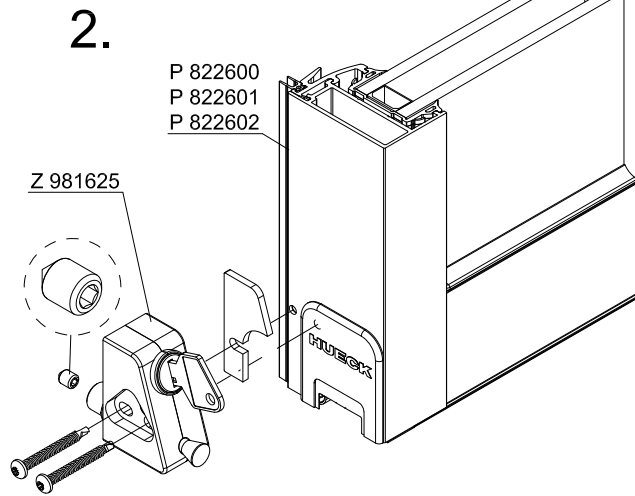
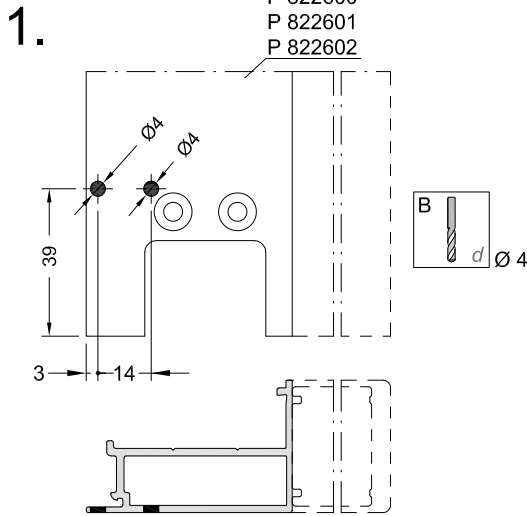
Bearbeitung und Montage Griffmuschel  
 Processing and installation handle recess



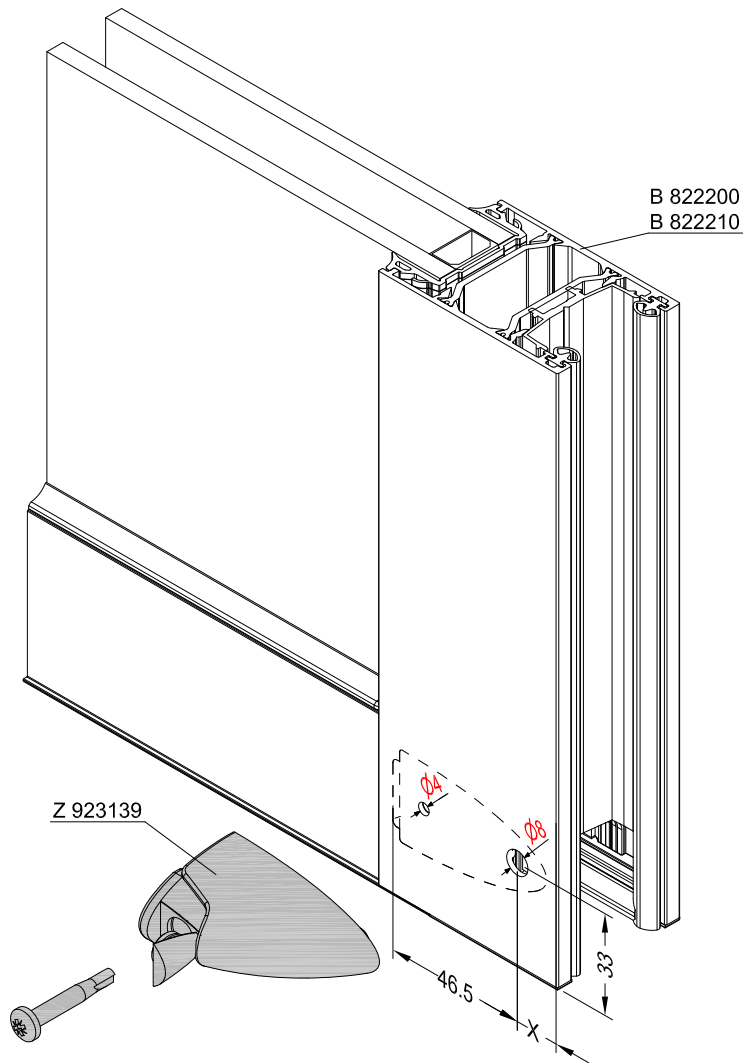
STOPPER - BEARBEITUNG UND EINBAU  
STOPPER - PROCESSING AND INSTALLATION

Innenflügel unten  
Inside sash downside

P 822600  
P 822601  
P 822602



STOPPER - BEARBEITUNG UND EINBAU  
 STOPPER - PROCESSING AND INSTALLATION



Griff (Aussenseite) Handle (outside)	X
Z 981623	15
Z 981624 / 621 / 622	26
Z 923228	109
Z 981616 / 617	103

